ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: **Diamond Drilling, Geological Mapping, Trenching, Prospecting and Physical Work Assessment Report from the Providence Target on the Black Bear and Frank Creek Properties, Cariboo Mining Division, British Columbia**

TOTAL COST: **$873,721.00**

AUTHOR(S): **Jack Logan, Rein Turna and Louis Doyle**
SIGNATURE(S): **"SIGNED"**
NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): **MX-10-155 & MX-10-228**
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): **5459587, 5459590, 5470599, 5470600, 5480890 & 5480892**
December 15, 2012 to December 15, 2013

YEAR OF WORK: **2012- 2013**
PROPERTY NAME: **Frank Creek and Black Bear**
CLAIM NAME(S) (on which work was done)
504419, 514,272 & 514364

COMMODITIES SOUGHT: **Copper, Lead, Zinc, Silver & Gold**
MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN: **N/K**
MINING DIVISION: **Cariboo**
BCGS: **93A/11 & 93A/14**
LATITUDE **52.75°**
LONGITUDE **121.36°**
UTM Zone **10** EASTING **610655** NORTHING **5833000**

OWNER(S): **Barker Minerals Ltd.**
MAILING ADDRESS: **8384 Toombs Drive, Prince George BC, V2K 5A3**

OPERATOR(S) [who paid for the work]: **Barker Minerals Ltd.**
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REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude **do not use abbreviations or codes**)
Barkerville Terrane, Silver & Gold

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS
9669, 9677, 10252, 10264, 11620, 13154, 15420, 15804, 17696, 19354, 21930, 22599, 22642, 24662, 25752, 26003, 26504, 26805, 27125, 27655, 28248, 28978, 29740, 30764.

Diamond Drilling, Geological Mapping,
Prospecting and Physical Work

ASSESSMENT REPORT
on the

Black Bear and Frank Creek Properties
Cariboo Mining Division, British Columbia

for
Barker Minerals Ltd.
8384 Toombs Drive
Prince George, B.C.
V2K 5A3

Prepared by:
Jack Logan, Rein Turna, Louis Doyle

October 28th, 2013

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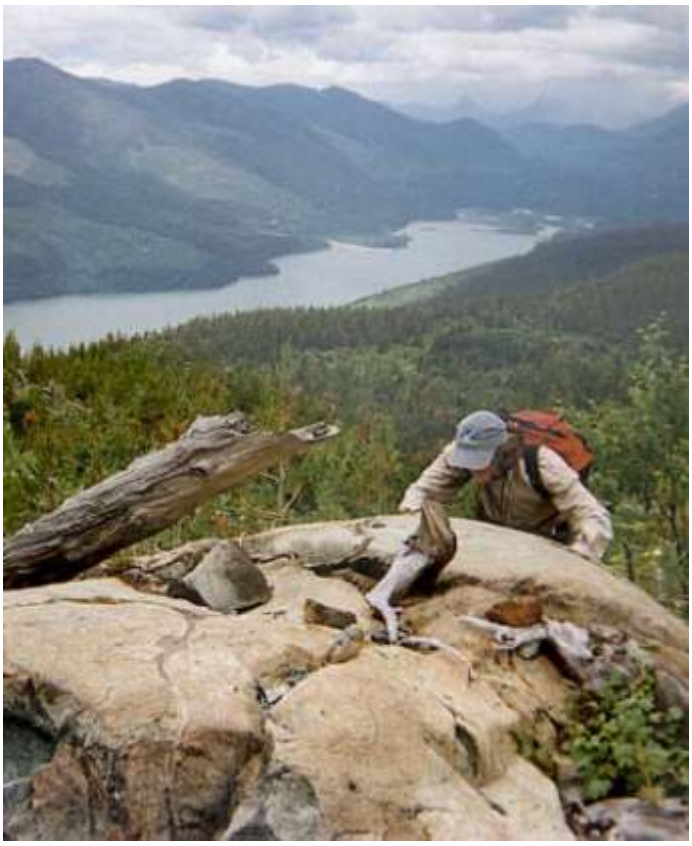

Plate 1: Pillowed mafic volcanic outcrop on mountain top approximately 1.0 km southwest of the Frank Creek Discovery Showing. View is toward northeast, with F1 and F9 target areas in the centre of the photograph. The north end of Cariboo Lake is visible. The rounded pillow tops are oriented roughly eastward.

Plate 2: Pillows.

1.0 Summary

Work performed in 2012 and 2013 on Barker Minerals Ltd.'s main contiguous group of mineral properties was concentrated in the Black Bear and Frank Creek project areas.

1.1 Black Bear

During 2012, at the Black Bear Project, the final diamond drill hole for 2012 (not included in the October 4th, 2012 Assessment Report 33309) was prepared and drilled between October 12th and December 1st, 2012 on the Providence target. Analytical results for drill hole BB-2012-07, also not included in the previous assessment report, are included in the appendix.

1.2 Frank Creek

At the Frank Creek Project, there were a total of six diamond drill holes prepared and drilled totalling 512.12m in depth between June 1st and November 7th 2013. Analytical results were attained for two holes. A total of 19 test pits were excavated in the month of October 2013.

2.0 Introduction

This report describes assessment work performed on Barker Minerals Ltd. Black Bear and Frank Creek mineral properties between October 2012 and December 2013.

Further diamond drilling, preparation, and analysis was completed at the Black Bear property between October and December of 2012.

Road clearing, diamond drilling, preparation, test pits, and analysis were completed at the Frank Creek property between June and December of 2013. Snowfall in November ceased the ability for further drilling and fieldwork for the remainder of the exploration season.

Technical abbreviations are used in this report and some of these abbreviations are defined in Table 1.

Table 1: Technical Abbreviations

Ag	Silver	DDH	Diamond Drill Hole	ICP-MS	Inductively Coupled Plasma Mass Spectrometry
As	Arsenic	TP	Test Pit	ICP-OES	Inductively Coupled Plasma Optical Emission Spectrometry
Au	Gold	TR	Trench	XRF	X-Ray Fluorescence
Ba	Barium	HLEM	Horizontal Loop Electromagnetic	BB	Black Bear
Co	Cobalt	IP	Induced Polarization	BBE	Black Bear East
Cu	Copper	VLF-EM	Very Low Frequency Electromagnetic	FC	Frank Creek
Cr	Chrome	Musc	Muscovite	ppm	Parts Per Million
Fe	Iron	Qtz	Quartz	ppb	Parts Per Billion
Mn	Manganese	Cpy	Chalcopyrite		
Pb	Lead	Gal	Galena		
Sb	Antimony	Py	Pyrite		
Zn	Zinc	Sph	Sphalerite		

3.0 PROPERTY DESCRIPTION and LOCATION

The Main Property's location in British Columbia is indicated in Figure 1**,** and the mineral claims are outlined in Figure 2.

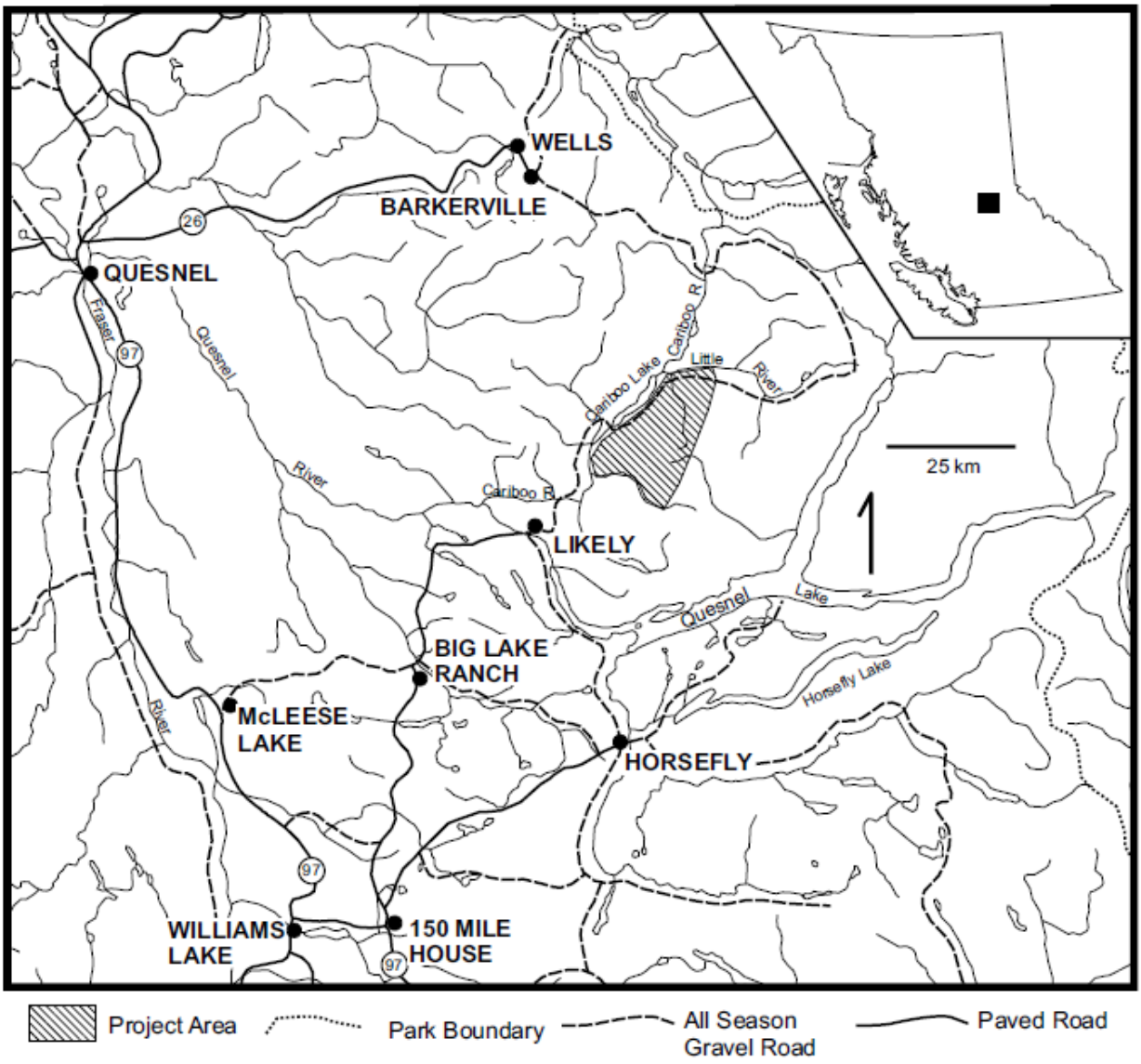

Figure 1: Main property Location in British Columbia, Canada; showing main access routes and drainages (from Ferri, 2001)

4.0 Barker Minerals Ltd. Mineral Claims

The mineral claims comprising the property are located generally in the area between Quesnel and Cariboo Lakes of the Cariboo Mining Division in British Columbia and are 100% owned by Barker Minerals Ltd. of Prince George, B.C. Barker Minerals Ltd. mineral claims are further detailed in Appendix 1.

The Property is approximately 10 km north of the settlement of Likely and 90 km northeast the City of Williams Lake. The City of Prince George is 155 km to the north.

The geographic coordinates to the Black Bear property are:
52.75° North Latitude and 121.36° West Longitude or
607000 E and 5833000 N UTM (Nad83 zone 10)
The relevant maps are:
N.T.S. Map No. 93A/11 and 93A/14.

The geographic coordinates of the Frank Creek property are:
52.75° North Latitude and 121.36° West Longitude or
610655 E and 5845640 N UTM (NAD83 zone 10)
The relevant maps are:
N.T.S. Map No. 93A/11 and 93A/14.

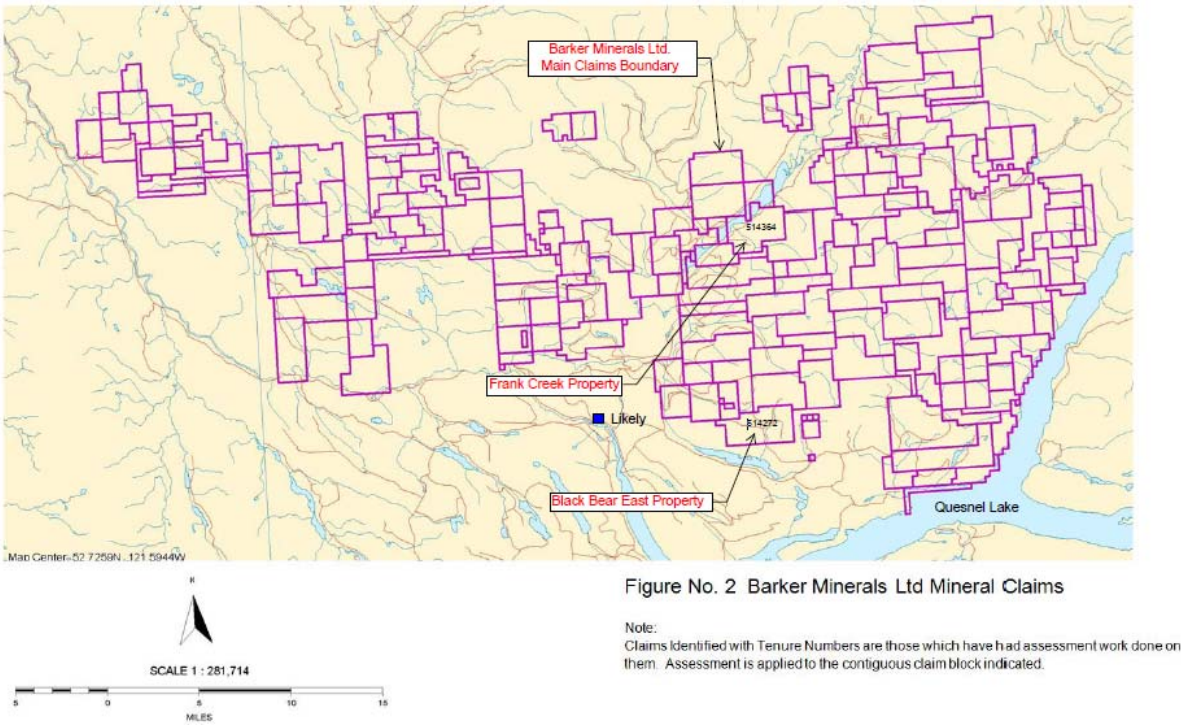

Figure 2: Barker Minerals Ltd. Mineral Claims with locations of Black Bear East and Frank Creek

5.0 PHYSIOGRAPHY and ACCESSIBILITY

The following description in *italics*, is after McKinley, 2004:

The property is situated in the central part of the Quesnel Highland between the eastern edge of the Interior Plateau and the western foothills of the Columbia Mountains. This area contains rounded mountains that are transitional between the rolling plateaus to the west and the rugged Cariboo Mountains to the east. Pleistocene and Recent ice sheets flowed away from the high mountains to the east over these plateaus and down to the southwest (Cariboo River), west (Little River) and northeast Quesnel Lake), carving U-shaped valleys. The elevation ranges from 700-1650 m.

Precipitation in the region is heavy, as rain in the summer and snow in the winter. Drainage is to the west via the Cariboo, Little and Quesnel Rivers to the Fraser River. Quesnel Lake, the main scenic and topographic feature in the region, is a deep, long, forked, glacier-carved lake with an outlet at 725 m elevation. Vegetation is old-growth spruce, fir, pine, hemlock and cedar forest in all but the alpine regions

of the higher mountains (mainly above 1400 m elevation). Weldwood has been actively logging fir, spruce and pine in the area.

Access to the Black Bear Project is via gravel logging roads bearing northeast from Likely. The way is: Keithley Creek road for 5 km to the 2400 logging road, go 10 km and take the right branch onto the Providence logging spur road. The drilling location is 2.4 km up the Providence spur.

Access to the Frank Creek Project is via gravel logging roads bearing northeast from Likely. The way is: Keithley Creek road for 19 km, take right branch onto Barkerville road and cross over Cariboo River. Continue north on Barkerville (8400) road for 6 km. Take right branch (sign indicates D Road) to Frank Creek work area.

6.0 History

6.1 Black Bear Project

The remainder of 2012 work completed at Black Bear (1 diamond drill hole) does not necessitate a comprehensive historical summary of the work completed at at Barker Minerals' Black Bear property. Please refer to the *Diamond Drilling and Physical Work Assessment Report* from the *Providence Target on the Black Bear Silver/Gold Property* (Assessment Report 33309) for historical work completed between 1926 and 2010.

The most recent and relevant work completed on the Black Bear (between 2010 and 2012) is found below.

6.1.01 Work Done in 2010

The relevant report is Assessment Report 3220 by L.E. Doyle.

On the Black Bear Property 2000 metres of trenching was completed in 12 trenches of which 700 metres was reclaimed.

Most trenches successfully exposed variable amounts of fresh high grade silver galena mineralization which was sampled along strike of the Providence and Hunt veins at various locations on the newly discovered veins and at highly altered zones adjacent to the veins. Grab samples reported up to 116 ounces per ton silver and 59% lead at the Providence target and a chip sample from the Hunt vein reported 34 oz/t silver and 37.1% lead over a 1metre width.

The trenching was also successful in identifying important intrusive rocks with elevated concentrations of silver, bismuth and lead located near the highest grade mineralization identified to date. This indicates that the mineralization may increase in grade as it gets closer to the intrusion. The high oz/t silver to the % lead ratio in the intrusive itself also supports this interpretation. It is apparent that on the Black Bear property the ratio of precious metals to the % of lead will be a very useful tool in determining the proximity of mineralization to its intrusive source.

A comprehensive exploration program (Turna, 2008) has been recommended which includes geological mapping, prospecting, soil sampling, geophysical surveys, trenching and drilling over the mineralized and airborne trends.

6.1.02 Work Done in 2011

The relevant report is Assessment Report 32696 by L.E. Doyle.

5 diamond drill holes totalling 80m depth were completed with poor recovery. All 5 drill holes were stopped prematurely due to a sudden loss of water in the holes. The difficulty in drilling was surmised to be due to unstable ground conditions possibly related to historical underground workings adjacent or

directly below the drill holes. This 2011 drill program on the Black Bear property did not yield any significant results but helped strengthen the understanding of surficial geology.

Mapping was completed in 2011 in the 2000 metre trenching location of 2010. Mineralized quartz veins were uncovered ranging from centimetres up to 8 metres of exposure and are comprised of persistent pockets of galena and pyrite mineralization along both the footwall and hanging wall (vein selvages) with lesser amounts of mineralization occurring within the quartz vein itself.

6.1.03 Work Done in 2012

The relevant report is Assessment Report 33309 by L.E. Doyle.

Between May and September of 2012, 3 vertical diamond drill holes were completed totaling 745m at the Providence target to test for shallow extensions of the high grade vein mineralization exposed in outcrop and to further the knowledge of subsurface geology.

The geological setting and environment of the Providence target were interpreted from the 2012 drill results to be an extensional basin; with drill core predominantly containing deep-sea basin sediments (thick argillite/shale succession) with evidence of local volcanism (tuffaceous input and volcanic sills and dikes). Further evidence below massive galena on surface for a hydrothermal environment was inferred from a strong alteration assemblage in drill core of chlorite, epidote, hematite, and magnetite with minor amounts of associated base-metal sulphides.

An internal handheld XRF study was conducted and announced initial gold and gold pathfinder element results for BB12-07. In comparison with fire assay results from the entirety of hole BB12-07, the XRF analyzer was found to be successful in its identification of gold pathfinder elements but unsuccessful in accurately reporting gold values. False elevated gold readings were consistently given by the instrument. Follow-up work, experiments, and multiple discussions with the Thermo-Niton staff has since aided in helping Barker Minerals to understand the technical limitations of the XRF.

Assay results yielded levels of gold in individual one metre samples analyzed by fire assay ranging from <1 ppb to a high of 120 ppb (.12 g/t or ppm) in BB12-06; and 798 ppb (.80 g/t or ppm) in BB12-07.

Barker compiled the radiometric and magnetic airborne survey data collected by the GSC and overlaid the data over the Black Bear project area, identifying large (approximately 7 km by 2 km) coincident potassium high and moderate magnetic high anomalies. The Providence target is located along the eastern edge of the anomaly. The GSC airborne anomalies cross Black Bear Creek below the Providence target and continue to the SE where porphyritic felsic intrusive rocks have also been recognized.

6.2 Frank Creek Project

A comprehensive historical summary of the work completed since 1980 on the Frank Creek property can be found below. Old placer workings on the lower portion of Frank Creek suggest placer mining was conducted perhaps since the turn of the 20th century and possibly earlier.

6.2.01 Work done in 1980

The relevant reports are Assessment Reports 9669 and 9677 by M.G. Larsen.

Work was done in 1980 by May G. Larsen on the Darcy claims and Alan claims, each consisting of 2 claim units. The Darcy claims straddled the Cariboo Lake Road, on the southeast side of Cariboo Lake approximately 2.5 km northeast of the south end of the lake. The Alan claims straddled Wilby (Pearson) Creek, 5.0 km east of the south end on Cariboo Lake. Prospecting and conventional panning for gold was done. A field chemical test kit and a fluorescent lamp were used to detect various elements and minerals. Nothing of interest was found.

6.2.02 Work done in 1981 (A)

The relevant report is Assessment Report 10252 by T.A. Jones.

Work was done in 1981 for Canadian Nickel Mining Limited on the BT claims, consisting of 103 claim units covering Browntop Mountain and the head waters of Frank Creek, north of Seller Creek and Badger Peak. Geological mapping was done and rock and stream sediment samples were collected. Samples of quartz veins had geochemical results of up to 250 ppb Au. The quartz veins occurred in a drainage area of a stream where a silt sample had 330 ppb Au. Quartz veins up to 1 metre thick were stated to be abundant near the common corner of the BT 5, 6, 7, 8 claims, this on a hill approximately 2.0 km southwest of Goose Peak. Follow up work was recommended.

6.2.03 Work done in 1981 (B)

The relevant report is Assessment Report 10264 by J.S. Christie et al.

Work was done in 1981 for E & B Explorations Inc. on the Boomerang Property consisting of 104 claim units in the head waters of Seller Creek and covering Badger Peak on the south side of Canadian Nickel's BT claims. Reconnaissance stream sediment and soil sampling was done to follow up government geochem data indicating a 750 ppm As anomaly in a stream. The stream and soil samples returned values up to 345 ppm As and up to 1,500 ppm Pb. Gold values obtained were low. Areas of very rusty soil and outcrop occurred in the anomalous drainage and quartz vein float containing galena, tetrahedrite and sphalerite were found. Follow up work was recommended.

6.2.04 Work done in 1983 (A)

The relevant report is Assessment Report 11620 by Beaton, R.H.

Work was done in 1983 for Silver Standard Mines Limited on the Thunder Property consisting of 36 claim units roughly along the southeast side of Cariboo Lake, extending from Frank Creek southwest toward Wilby Creek. Initial prospecting in early 1983 discovered pyrite-chalcopyrite mineralization on the 'D' logging road on the west side of Frank Creek. Subsequent follow up included 419 soil samples collected over a grid consisting of 22.4 km cut line over a 1.2 km x 2.0 km area. Soils anomalous in copper, zinc or silver were followed up by limited mechanical trenching at 3 locations along roads. Minor sulphide mineralization was found and was deemed to be probably related to lenses of intrusive rock and to a lesser degree quartz veining. No follow up work was recommended.

6.2.05 Work done in 1983 (B)

The relevant report is Assessment Report 13154 by Mar, J.

Work was done in 1983 for *Esso Minerals Canada* on the NB claims consisting of 40 claim units covering Wilby Creek drainage and southward toward Seller Creek. Work consisted of geological mapping over the claims area and stream sediment and soil sampling concentrated close to the banks of Wilby Creek. Stream sampling included heavy mineral concentrates and conventional stream sediments. 13 rock, 8 heavy mineral and 124 soil samples were collected. Rocks mapped were considered to be metamorphosed volcanic and sedimentary rocks belonging to the Harveys [Ridge] Succession and granitic gneiss, possibly a sill, belonging to the Quesnel Lake Gneiss. Rusty carbonate-sericite altered rock appeared to occur widespread on the north side of Wilby Creek. Minor pyrite, chalcopyrite, galena and sphalerite occurred with quartz and altered rock.

Several rock samples were anomalous in Au and in pathfinder elements; the highest Au value was 445 ppb. The Assessment Report text states that stream sediments indicated an enhanced background for As and Sb but modest Au values. Heavy mineral concentrate Sample No. H331 had 3,600 ppb Au however and a conventional stream sample at the same location on Wilby Creek had 130 ppb Au. The Assessment Report text states that the soils gave 'best responses' or anomalies in As, Co, Cu and Pb.

Ni, Co, Cu or Pb results in soils are provided in the report however. Though a suite of anomalous metals were acknowledged the soil results were considered sporadic with no well-defined trends. No follow up work was recommended.

6.2.06 Work done in 1984 to 1986

Work on [Frank Creek] *was done from 1984 to 1986 by the Rasmussen Brothers, who re-entered and re-explored the old Apostle placer drift on the west bank of the creek and dug a 48 foot (14.6 metre) shaft higher on the creek. When large massive sulphide boulders were found at the base of placer gravels on the east side of the creek, a hard rock claim, the Home Run (9 units) was staked, but little or no exploration was done and the claim lapsed in 1987.* (Guinet, 1988).

6.2.07 Work done in 1986

The relevant reports are Assessment Reports 15420 and 15804 by Schmidt, U.

Work was done in 1986 for Casmiro Resource Corp. on the C1, Conch1 and C3 claim groups totalling 56 claim units. The C1 and Conch1 claims were located approximately 2.0 km south of the south end of Cariboo Lake, on the west side of Esso's NB claims. The C3 claim was located on the east side of Esso's claims and in the headwaters area of Wilby Creek and south tributary of Frank Creek.

The purpose of the work was to locate areas of precious metals mineralization. Approximately 179 soil and 8 silt samples were collected and analysed. Geological mapping was also done in the C3 claim area. Metamorphosed sedimentary and intrusive rocks were observed. The report states no significant gold values occur on the C3 soil grid and that geochemical anomalies in other elements on the Conch 1 and C3 grids indicated off-property sources. An anomaly on C1 grid was considered to reflect lithological boundaries. It was recommended that the soil grids be extended.

6.2.08 Work done in 1987

The relevant report is Assessment Report 17696 by Guinet, G.

Work was done in 1987 for Golden Eye Minerals Ltd. on the MASS claim consisting of 9 claim units covering the lower portion of Goose (Frank) Creek just above the Cariboo Lake Road, on the southeast side of Cariboo Lake.

The occurrence of numerous boulders of massive sulphides, up to just over 1.0 m in size, in the lower portion of Goose (Frank) Creek prompted prospecting and stream sampling to be done on the MASS claim area. 20 stream sediment samples were collected along a 1,300 m length of Goose (Frank) Creek. The source of the massive sulphide boulders was not found and the stream sampling had no interesting results. Further work was recommended to be done on the north side of the property, to include geochemical and geophysical (EM) surveys.

6.2.09 Work done in 1988-1989

The relevant report is Assessment Report 19345 by Martin, L.S.

Work was done in 1988-1989 for Formosa Resources Corp. and Golden Eye Minerals Ltd. on the MASS Property totalling 100 claims covering the main parts of the drainages of Frank Creek and Wilby Creek.

Work consisted of geological mapping, soil sampling, VLF-EM and magnetic geophysical surveys and mechanical trenching. Approximately 1,400 soils and 166 rock samples were collected on a cut grid over approximately 2.0 km x 2.5 km in area. A suite of 30 elements was analysed. This work was concentrated on the west side of the lower part of Frank Creek.

Geological mapping outlined volcanic and sedimentary rock units of the Harveys Ridge Division and intrusive rocks of the Quesnel Lake Gneiss.

Three representative massive sulphide boulders from Frank Creek had assay results of:

Sample	Cu	Pb	Zn	Ag	Au	Ba
No.	%	%	%	oz/T	oz/T	%
Q5351	0.45	3.91	3.48	3.50	0.001	0.75
Q5352	0.07	3.81	5.44	4.24	0.001	3.08
Q5353	1.38	2.13	2.24	1.96	0.005	0.32

Soil sampling results indicated a coincident Cu, Pb, Zn soil anomaly occurring in the vicinity of D logging road where Barker Minerals would in 1999 uncover massive sulphide mineralization in bedrock in their 'Discovery' trench (later named Frank Creek showing). Barium was conspicuously not anomalous in this area. This anomalous area had weak coincident VLF-EM anomalies. A significant magnetic anomaly occurring approximately 500 m to the west could not be explained.

The southern part of the MASS Property grid had anomalies in Cu, Pb, Zn and Ba in an area of weak local magnetic anomalies and a fairly consistent VLF-EM anomaly oriented NW-SE. These geophysical anomalies were thought to be related to geological contacts between volcanic and sedimentary rocks and the Quesnel Lake Gneiss intrusive.

The trenching work did little more than indicate the presence of a thick blanket of till and that some of the soil anomalies may be transported. Further work was recommended to include soil sampling, trenching and eventually a drilling program.

6.2.10 Work done in 1991

The relevant report is Assessment Report 21930 by McClintock, J.A.

Work was done in 1991 for Formosa Resources Corp. and Annex Exploration Corp. on the MASS and ANNEX Options totalling 245 claim units. These claims covered almost all of the southeast side of Cariboo Lake and extended from Wilby Creek in the south to Little River in the north.

Work consisted of prospecting, geological mapping, stream silt and soil sampling and 388 line km of helicopter-borne EM, magnetometer and radiometric surveying. 56 stream silt, 21 soil and 5 rock samples were collected. The objective was to find the bedrock source of numerous massive sulphide boulders known to occur near the mouth of Frank Creek.

The helicopter-borne EM survey found 7 areas of conductors; all of the conductors were deemed possibly caused by sulphides. Most of the conductors occurred in rocks mapped as Harveys Ridge Group. Black argillaceous schists were noted; these varied from non-graphitic to graphitic.

Magnetic anomalies were interpreted as possibly associated with intermediate and mafic volcanic rocks. All conductive anomalies occurred on the southwest side of Frank Creek except for the minor Area H located northeast of Frank Creek. Most of the conductive responses occurred as parallel multiple horizons. Conductors at Anomaly E were considered a priority for follow-up.

Further southwest, toward Wilby Creek, a much larger conductive complex was evident. Graphitic schist known to occur in some parts of the survey area was assumed a probable cause of most of the conductor anomalies there. Notwithstanding the considered occurrence of graphitic schists, the geophysical interpreter determined seven areas of conductors worthy of follow up for base and precious metals mineralization.

The radiometric survey determined elevated potassium counts got were possibly associated with sediments having thin overburden cover at higher elevations on the property. The radiometric results did not appear to be mapping any specific lithology.

Further work was recommended to include prospecting, soil sampling and detailed mapping and a Max-Min EM geophysical survey. 610 m of diamond drilling was also recommended.

6.2.11 Work done in 1992

The relevant report is Assessment Report 22599 by Donaldson, W.S.

Work was done in 1992 for Formosa Resources Corp. and Annex Exploration Corp. on the MASS Property totalling 176 claim units covering the area between Frank Creek and Wilby Creek to the southwest.

Work consisted of prospecting, geological mapping, VLF-EM and HLEM ground electromagnetic surveys, rock, soil and stream silt sampling and mechanical trenching. The electromagnetic and soil sampling surveys were done over 7 small widely separated grids established over locations where the previous year's helicopter-borne EM survey defined conductors not explained by rock outcroppings. 308 soil samples were collected over these grids. The geophysical and geochemical surveys were successful in detecting conductors and numerous Pb and Zn soil anomalies in a 30-element suite analyzed. Six trenches were mapped and sampled over locations of HLEM and soil anomalies. Bedrock in the trenches consisted of metamorphosed sedimentary rocks, frequently graphitic.

It was deemed all the geophysical anomalies from the various EM surveys done in 1991 and 1992 were due to conductive graphitic argillite and schist. High Pb and Zn values in rocks, soils and streams were deemed due to high background values in the metasedimentary rocks and quartz veins and faults and shears resulting in remobilization of minerals. It was concluded the geological environment remained compatible with the massive sulphide mineralization observed in boulders in Frank Creek. It was considered the source for these boulders was not found because it may be located up ice (and off the property) or is too small to be detectable by the work done [over the 7 scattered grids]. Further work was not recommended.

6.2.12 Work done in 1992

The relevant report is Assessment Report 22642 by Donaldson, W.S.

Work was done in 1992 for Rio Algom Exploration Inc. on the CCH Property consisting of 38 claim units between the lower portions of Wilby Creek and Seller Creek. Rio Algom was also the operator of the work done for Formosa Resources and Annex Exploration on the MASS Property, adjacent to the northeast.

Work consisted of geological mapping and collection of 4 stream silt, 120 soil and 9 rock samples. A suite of 30 elements was analysed. The objective was to find the bedrock source of the numerous massive sulphide boulders known to occur near the mouth of Frank Creek on the MASS Property.

Some rock samples were anomalous in Au in quartz veins. Some soils were anomalous in Pb, Zn or Au, considered due to high background values in metasedimentary rocks. As on the MASS Property, the conclusion was that the source of the massive sulphide boulders in Frank Creek probably came from up ice, off the property, or was too small to be detectable by the work done. Further work was not recommended. [In this author’s opinion the work was too limited to find the massive sulphide source.]

6.2.13 Work done in 1996

The relevant report is Assessment Report 24662 by Yorston, R.

Work was done for in 1996 by R. Yorston on the MASS claims, a 20-unit property staked by himself over the lower portion of Frank Creek, a part of the area of Formosa Resources' and Annex Exploration's lapsed MASS Property.

Work consisted of 60.9 m of percussion drilling in 2 holes. These holes were done on the branch D logging road at a hairpin turn just below where Barker Minerals Ltd. would later discover massive sulphides in boulders and bedrock in their Discovery trench in 1999. Both Yorston's percussion drill holes returned highly anomalous Cu, Pb and Zn results (1,766 ppm, 746 ppm, 2,969 ppm respectively). Follow up work was recommended but not done, the MASS claims lapsed in 1999 and Barker Minerals Ltd. staked the Frank claim over this area the same year.

6.2.14 Work done in 1998

The relevant report is Assessment Report 25752 by Doyle, L.E.

Work was done in 1998 for Barker Minerals Ltd. on the Frank Creek Property (Jess 1-3 claims) in the middle part of Wilby Creek.

Work consisted of prospecting. Stream sediment and rock samples were collected and analysed for a suite of 32 elements. Several rock samples were highly anomalous, with Pb up to 9.06% and Ag up to 6.65 oz/T.

From 1998 onward all work on the Frank Creek Property was done for Barker Minerals Ltd. under the overall supervision and strategic guidance by Louis E. Doyle, President.

6.2.15 Work done in 1999

The relevant report is Assessment Report 26003 by Payne, J.G.

Work was done in 1999 for Barker Minerals Ltd. on the Frank Creek Property, at the time consisting of Jess 1-4 and Frank claims totalling 92 claim units covering the lower half of Frank Creek and extending west to include the Wilby Creek area. The Frank Creek Property was a portion of a 80 km x 30 km claim block including 2,590 claim units staked in 1996 by Barker Minerals. This large group of claims is henceforth termed the 'Peripheral' claim block.

The 1999 prospecting by L.E. Doyle on the Frank Creek Property discovered massive sulphide boulders containing pyrite, galena, sphalerite and chalcopyrite on the D logging road, approximately 2.5 km up from the main 8400 (Cariboo Lake) Road. Grab samples from the boulders returned high values in base metals and pathfinder elements. Sample No. 99-F1 for example had 0.62% Cu, 11.1% Pb, 3.13% Zn, 14.0 oz/T Ag. The (Discovery) trench subsequently excavated at this location exposed a stratiform, massive sulphide layer at least 1.2m thick over a strike length of 10 m (Wild, 2002a).

Mapping discovered pillow structures in mafic volcanic rocks on the Frank Creek Property indicating a seafloor environment. Mapping and lithogeochemical results by this time were indicating a bimodal (mafic-felsic) volcanic system favourable for hosting volcanogenic massive sulphide deposits. The orientation of the pillow structures indicated that, at least in the local area of Frank Creek, strata were overturned and younging of strata was toward the northeast, with mafic volcanics including pillow lavas stratigraphically overlain by felsic tuffs having a probable genetic relationship with the newly discovered massive sulphide zone.

Prospecting at Wilby Creek (Big Gulp showing) on the south side of the Frank Creek Property had encouraging results but no specific follow up was recommended. Soil and geophysical surveys were recommended at Seller Creek and other areas of the 'Peripheral' claim block.

Extensive follow up work recommended a detailed EM/magnetometer survey, grid soil sampling, a petrographic study, trenching and drilling to be done on the Frank Creek Property.

6.2.16 Work done in 2000

The relevant report is Assessment Report 26504 by Payne, J.G.

Work was done in 2000 for Barker Minerals Ltd. on the Frank Creek, Ace, SCR and other areas of the 'Peripheral' and 'Quesnel Platinum' claim blocks totalling 3,842 claim units.

A Max-Min HLEM and magnetometer geophysical survey was done at Frank Creek and SCR. The resulting magnetic patterns outlined bedrock geological boundaries. The HLEM survey defined 11 conductors on the Frank Creek Grid and 3 conductors on the Sellers Grid at SCR. The geophysical report (Walcott, 2001) describes the 'Sellers Grid' as having been done on the 'Sellers Creek Property'. This is actually at the SCR prospect (Minfile No. 093A 203) and not to be confused with the Sellers Creek showing (Minfile No. 093A 131), approximately 7 km to the southeast.

The conductors at Frank Creek were thought attributable to sulphide mineralization and/or graphitic horizons. Most of the conductors were shallow and dipped steeply. Conductor A at Frank Creek was considered possibly related to Cu-rich sulphide stringers in outcrops located east and stratigraphically above the Frank Creek Discovery massive sulphide showing. The presence of stacked massive sulphide bodies was suggested and Conductor A an excellent target for follow up. The conductors at SCR were associated with magnetic anomalies. The most prominent conductor was associated with higher magnetics and having good correlation with Pb, Zn and Cu in soils taken in a 1986 survey. Others conductors were associated with the Big Gulp showing at Wilby Creek or altered volcanic rocks or soil anomalies. (Payne, 2001, pp. 17-18).

A reconnaissance VLF-EM traverse was done along a road at Big Gulp. The data indicated a significant conductor ('Big Gulp' C-Road) but no interpretation was provided (see Payne, 2001).

Petrographic analysis was done on several rocks from the Frank Creek and other areas of the 'Peripheral' claim block.

Follow up work was recommended for the Frank Creek Property and at the Ace, SCR, Quesnel Platinum and other prospects within the 'Peripheral' claim block. The recommendation for Frank Creek included further geological mapping and Max-Min geophysics along with a gravity survey and trenching and drilling.

6.2.17 Work done in 2001

The relevant report is Assessment Report 26805 by Walcott, P.E.

Work was done in 2001 for Barker Minerals Ltd. on the Frank Creek, Ace and SCR Properties and other locations on the 'Peripheral' claim block.

Work done on Frank Creek Property consisted of Max-Min HLEM, magnetometer, dipole-pole induced polarization and gravity geophysical surveys and mechanical trenching. This work was concentrated at small areas near the F1 target (Discovery Trench-Frank Creek Showing) and up to 2.0 km away toward the west and southwest. HLEM and magnetometer work was also done at SCR and Big Gulp and gravity work was done at Big Gulp.

The HLEM survey extended previously known conductors on Frank Creek Property but the massive sulphide showing at the Discovery Trench was unresponsive to either the electromagnetic or induced polarization techniques. However anomalous chargeability values were observed just east of the showing. Gravity profiling over the showing area and previously located EM conductors failed to show any excess mass associated with them. The 1:20,000 scale TRIM maps used for terrain corrections in the gravity survey were deemed unsatisfactorily coarse for the purpose and the geophysical contractor recommended a new effort to be made with more accurate control for terrain corrections.

At SCR the prominent conductor and magnetic anomaly of the previous year was further defined. The geophysical report (Walcott, 2002a) describes the Sellers Grid at 'Sellers Creek' as having been extended

eastward. This is at the SCR prospect (Minfile No. 093A 203) and not to be confused with the Sellers Creek showing (Minfile No. 093A 131), approximately 7 km to the southeast.

A gravity anomaly at Big Gulp was somewhat coincident with a topographic high. Three moderate conductors were evident at Big Gulp. Additional geophysical work was recommended to detail the anomalies at Frank Creek, Big Gulp and SCR.

The trenching program, totalling 707 metres excavated in 9 trenches and 31 test pits in the areas of the Frank Creek Showing (Discovery Trench) and within several hundred metres to the northwest and northeast. Trenching near the beginning of the D Road did not reach bedrock. The source of massive and semi-massive mineralized boulders there remained unexplained. The Discovery Trench was also deepened. The several massive sulphide layers in the Trench were truncated by faults. The same metasedimentary and volcaniclastic rocks and mineralized horizon that host the massive sulphide mineralization of the Frank Creek Showing in the Discovery Trench were uncovered in Trench TR-BW-10, approximately 375 m northwest of the Discovery Trench, and in trench TR-BW-04, up to 50 m southeast of the Discovery Trench. The potentially mineralized NW-SE trend was considered to now be over 425 metres along and open in both strike directions and to depth (Wild, 2002a and Perry, 2002). Frank Creek's massive sulphide occurrence was considered to resemble the Besshi-type Goldstream Mine Cu-Zn massive sulphide deposit, 230 km to the southeast. Other trenches and test holes generally targeted geophysical conductors. Trench TR-BW-03, 50 m south of the Frank Creek Showing, uncovered pyritic rocks but did not locate the target mineralized horizon. Other trenches hit graphitic faults or did not encounter obviously conductive rock.

Further work was recommended to include soil sampling mechanical trenching and 7,500 feet (2,286 m) of diamond drilling.

6.2.18 Work done in 2002

The relevant report is Assessment Report 27125 Doyle, L.E.

Work was done in 2002 for Barker Minerals Ltd. on the Frank Creek, Ace, SCR Properties and other locations on the 'Peripheral' claim block totalling 4,092 claim units.

Work done on Frank Creek Property included 813 m of diamond drilling in 6 holes and 289 m of mechanical trenching in 5 trenches in and adjacent to the F1 Target area. Electromagnetic (Max-Min and VLF-EM), gravity, and induced polarization (IP) surveys were also done at Frank Creek.

Targets of this work were the northwest extension of the Frank Creek Showing toward the previous year's Trench TR-BW-10 and magnetic highs, conductors and chargeability anomalies from previous geophysical surveys. Drill holes FC02-05, 06 and 01 intersected disseminated, semi-massive and relatively narrow massive pyrite-rich mineralization along the mineralized trend between the Frank Creek Showing and Trench TR-BW-10. Besides pyrite, chalcopyrite, sphalerite and galena occurred in relatively minor amounts. The mineralized horizon was determined to be hosted by siliceous, sericitic, weakly chloritic phyllites and quartz-eye grits.

The geophysical surveys on the Frank Creek Property were done in the F1 Target area (Frank Creek Showing) and the F7 Target area (on the lower portion of D Road). Elevation control in the gravity survey was to 6 centimetre accuracy using a Sokkia total station and prism reflector. This was an improvement over the elevation control used in the 2001 gravity survey. As in a previous survey the Frank Creek Showing showed little response to IP or VLF-EM suggesting this showing does not have significant strike length or size. A new gravity traverse was not done over the Frank Creek Showing at the F1 Target. The conductor at F7 Target area was extended 100 m but the ensuing gravity traverse failed to detect an associated excess mass. The limited IP survey at Frank Creek confirmed the location of 2 previously located conductors but no further work was done on these.

Recommended follow up work included stratigraphic and lithogeochemical studies to define the paleotectonic setting of the mineralization, the most favourable host lithologies and the distribution of

hydrothermal alteration to provide an exploration model for the area. Other recommended work included HLEM, VLF-EM and gravity geophysical surveys to trace continuations of known anomalies. Further drilling, trenching and soil sampling toward the northwest and southeast to follow the mineralized strike was also recommended.

6.2.19 Work done in 2003-2004

The relevant reports are Assessment Reports 27655 and 28248 by Doyle, L.E.

Work was done in 2003-2004 for Barker Minerals Ltd. on the Frank Creek, Ace, SCR Properties and other locations on the 'Peripheral' claim block totalling 4,401 claim units.

A study (Barrett & MacLean, 2003) was done of the lithological and lithogeochemical features of approximately 503 rock and drill core samples from Frank Creek, Ace and the 'Peripheral' Properties, approximately 175 of these were from Frank Creek. Analyses were of rock-forming oxides and trace elements. The study included a petrographic examination of selected rock types. A review of possible analogs to Frank Creek and Ace was provided; these included places in Canada, Japan, Namibia and ocean ridges. The objective was to provide an interpretation of the host stratigraphy of the Frank Creek and Ace Properties and discussion of possible sea floor settings for the sulphide mineralization.

Conclusions by Barrett & MacLean relevant to Frank Creek were:

- The Frank Creek host rocks in the [Discovery] trench and nearby drill holes represent a sequence of distal continental shelf clastic sediments, with no evidence for felsic volcanic input.
- The lithological sequences at Frank Creek (and Ace) show features of both Besshi-type and Sullivan-type deposits. The Frank Creek setting suggested a continental marine shelf undergoing rifting.
- Evidence of graded bedding in the 2002 drill holes and outcrops of basaltic pillow lavas approximately 1.5 km southwest of the Discovery Trench indicated younging of strata toward the northeast and that the mafic extrusives would be the stratigraphic footwall of the sulphide beds in the Discovery Trench.
- The interpreted occurrence of mafic magmatism on a faulted continental shelf bodes well for the development of hydrothermal systems and the formation of massive sulphide beds, as does the generally reduced nature of bottom waters as indicated by the presence of graphitic argillites.
- Such a setting would be favourable for the development of hydrothermal systems, and the formation of sediment hosted massive sulphide deposits in sub-basins containing reduced bottom waters (now black shales and Mn-rich sediments).
- Much more drilling is required to explore the large tracts of favourable geology in the Cariboo Lake area that could host massive sulphide deposits (specific locations at Frank Creek and Ace Properties were recommended).

A Titan-24 geophysical survey included DC resistivity, induced polarization and deep-penetrating tensor-magnetotelluric surveys over 15.8 line km in a 1.5 x 2.4 km area on Frank Creek Property. The purpose was to identify drill targets characterized by high chargeability or low resistivity. 90 separate anomalies of varying significance were identified; 18 were considered major low resistivity features. Barker Minerals' F1, F3, F7 and F8 Target areas 'all hosted pronounced chargeability high and resistivity low anomalies consistent with massive sulphides or graphite' (Donohue et al., 2004, pp. i,ii).

The 90 anomalies of the Titan-24 survey were grouped into 3 major geophysical Trends A, B and C (Barker Minerals, Company News, August 26, 2004):

Trend A – a large broad conductive and variably polarizable zone, present on the western portions of survey lines 5100, 5300 and 5500. Locally, strong Cu, Pb and Zn soil anomalies from previous surveys correlated with the geophysical Trend on lines 5300 and 5500. Trend A remained open to the west and south.

Trend B – a flat lying conductive and polarizable zone extending from line 5100 in the south to line 6100 in the north, the trend becoming thicker and stronger toward the north and remaining open to the north. The high chargeability anomaly reached surface in narrow sections near the F1 Target area (Frank Creek Showing). Locally, strong Cu, Pb and Zn soil anomalies correlated with the geophysical Trend on line 5700.

Trend C – a steeply dipping conductive and polarizable zone on the eastern ends of lines 5100 to line 5900. Locally, Trend C is coincident with strong soil anomalies and a broad magnetic trend.

[Three geophysical Trends A, B & C were identified in 2004 and are shown in Figure No. 3.]

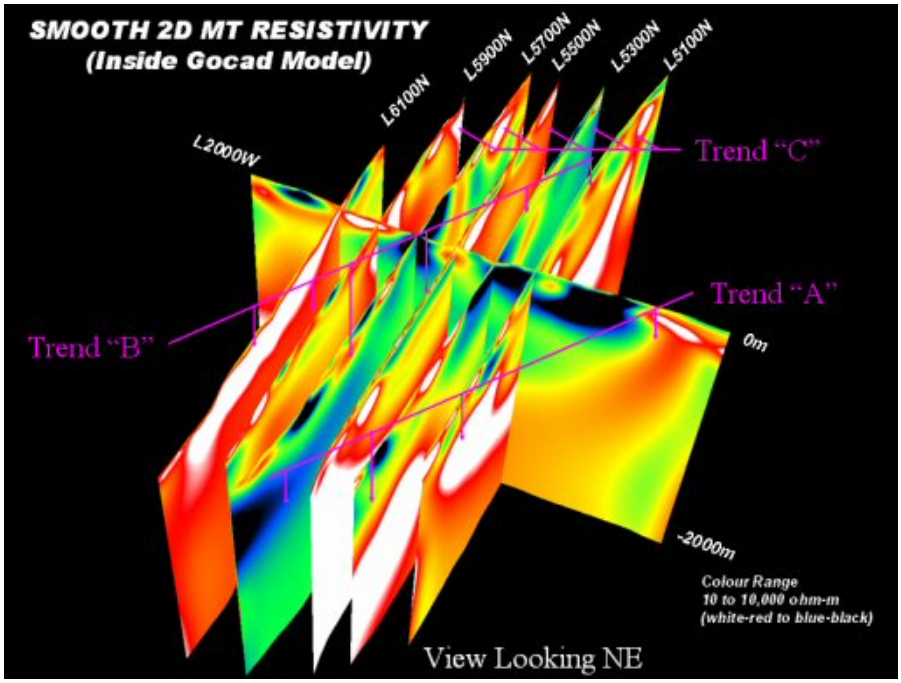

Figure 3: Frank Creek Property Geophysical Trends A, B, C resulting from the 2004, Quantec Geoscience Ltd. Titan 24 Distributed Array Survey. (See Doyle, 2005, Assessment Report 28248, Appendix II)

The Titan-24 geophysical survey is discussed in detail in Turna (2008, pg. 36).

In 2003 109 m of trenching in 2 trenches was completed at SCR. The targets were coincident geochemical soil and geophysical anomalies. Boulders with Cu, Pb and Zn mineralization were found in fairly deep till.

Trenching in 2004 focused on the Trend B anomaly of the Titan-24 geophysical survey. In the F7 Target area mineralized sub-outcrop contained stringer and semi massive mineralization containing pyrite, sphalerite and chalcopyrite. Usually the trenching was not able to reach bedrock due to thick glacial overburden.

Diamond drilling in 2004 included 7 holes (1,880 metres total). The holes were all located in the F7 Target area, low on the D Road, between approximately 400 m and 900 m west northwest of the Frank Creek Showing. The holes targeted geological features and geophysical anomalies. Zones up to 70 m wide of alteration (mainly sericite and chlorite) were reported and disseminated, stringer, semi-massive and narrow massive sulphides were described in the core logs for 6 of the 7 holes. One hole ended short at

41.8 m. Hole FC04-07 between 122.9 m and 307.9 m (185 m) had 4 (30 cm to 90 cm) zones of sulphides with aggregate Cu/Pb/Zn geochemical results of at least 10,000 ppm. Hole FC04-13 between 257.6 m and 433.0 m (175.4 m) had 12 (10 cm to 60 cm) zones of sulphides with aggregate Cu/Pb/Zn geochemical results of at least 10,000 ppm. These results were sub-economic but indicated an extensive mineralizing hydrothermal system.

Recommendations for further work included:

- Continue trenching geophysical and geochemical targets using a larger backhoe.
- The Titan-24 geophysical anomalies to be tested by systematic drilling, and geophysical surveying, particularly EM, to be made down the boreholes.
- Soil sampling over strike extensions of known mineralized trends and over specific target areas.
- A 3D geoscientific model to be built from the extensive existing data set in order to refine interpretations.

6.2.20 Work done in 2005-2006

The relevant report is Assessment Report 28978 by Doyle, L.E.

Work was done in 2005-2006 for Barker Minerals Ltd. on the Frank Creek Property.

The work done on Frank Creek Property included 1566 m of diamond drilling in 4 holes in 2005 and 2,037 m in 5 holes in 2006. The 9 holes mainly targeted geophysical anomalies from the 2004 Titan-24 geophysical survey. Zones of sericite, chlorite, silica, and iron carbonate alteration were encountered. Base metal sulphide mineralization occurred in stringers and narrow semi-massive and massive zones. The results were sub-economic but indicated the presence of an extensive mineralizing hydrothermal system consistent with a massive sulphide environment. Two further drill holes were completed in December 2006. These holes are described below together with work done in 2007.

Recommendations for further work included:

- Continued systematic testing of geophysical targets defined by the Titan-24 survey of 2004. The work to consist of soil sampling, trenching and drilling.
- A reconnaissance exploration program to examine the largely unexplored part of Barker Minerals' properties between the Frank Creek and Ace massive sulphide prospects, and other areas of the large 'Peripheral' claim block.

6.2.21 Work done in 2006-2007

The relevant report is Assessment Report 29740 by Turna, R. and Doyle, L.E.

Work was done in 2006-2007 for Barker Minerals Ltd. on the Frank Creek, Kangaroo and MAG Properties and other locations on the 'Peripheral' claim block. By this time the 'Peripheral' contiguous block of claims was 115,217 hectares in size under the Mineral Titles Online staking system and extended approximately 80 km x 30 km east-west and north-south.

On Frank Creek Property two drill holes (705.0 m) were done in December 2006 to test EM geophysical targets from the 2004 Titan-24 geophysical survey. Narrow zones of Zn and Pb-rich mineralization were encountered in zones of sericite, chlorite, silica or carbonate alteration.

889 soil samples were collected over the survey grid cut in 2004 for the Titan-24 geophysical survey. Seven anomalous multi-element patterns or Trends were recognized.

Trend 1, a NW-SE trending soil anomaly near the Frank Creek Showing included anomalous Cu, Pb, Zn and pathfinder elements. Trench FC07-3 and test pits were dug over this anomaly. This trench contained a stockwork of pyritic stringers containing chalcopyrite, sphalerite and galena. Trend 3, a NW-SE trending soil anomaly 750 m southwest from the trench dug over Trend 1, also included anomalous

Cu, Pb, Zn and pathfinder elements. Trenches FC07-1, 2, 4, 5 and test holes were dug over this anomaly. These trenches (F-9 Target area) all contained small lenses and pods of massive sulphide mineralization. Sulphides in these trenches contained mainly pyrite and galena with less chalcopyrite than the Trench FC07-3 over Trend 1. Trench FC07-5 contained a 2m x 5m pod of semi massive sulphide.

A petrographic study of representative rocks from the 2007 trenches indicated the mineral host rocks were rhyolitic volcaniclastics.

6.2.22 Work done in 2008

The relevant report is Assessment Report 30764 by Turna, R.

A diamond drilling program was done on the Frank Creek property to test the 2007 survey's Trend 3 Cu-Pb-Zn soil anomaly where significant Cu, Pb and Zn mineralization was discovered in trenches excavated that year, to test certain HLEM conductors from the 2000 geophysical survey and to improve understanding of the geology at certain locations. Most of the drilling at the Trend 3 anomaly was done in a grid pattern. 2,375 metres were drilled in 13 holes.

The results of DDH Holes FC08-25 to 28 were inconclusive. Holes FC08-25 and 26 did not reach the geophysical conductor targets due to squeezing in the holes caused by broken rock. Conductive zones targeted by Holes FC08-27 and 28 encountered graphitic argillite and sulphide bands. Hole FC08-29 affirmed the down-dip continuity of sulphide mineralization previously encountered in 2004 and 2005 in holes FC04-13 and FC05-17. A 4.65 metre intercept of semi-massive to massive sulphide with 50% - 90% total metal content occurred in Hole FC08-34 at a depth of 16.55m - 21.20m. Holes FC08-30 to 37 drilled in a grid pattern at F9 Target Area, affirmed the stockwork or footwall-type nature of the Cu-Pb-Zn sulphide mineralization in the area, notwithstanding occurrences of several syngenetic-appearing sulphide bands. A good example of overturned graded bedding in Hole FC08-29 added to similar proof of overturned strata from DDH holes from past years (see historic assessment reports regarding drilling at Frank Creek) and overturned pillows in lava (see Ferri, 2000, pg. 47 and Ferri, OF 2003-1, Map). The overturned geology implies, particularly at the F9 Target Area, the geology exposed at the surface is the footwall zone to possible massive sulphides, intact, at a deeper level. A semi-horizontal lie to shallow westward dip to geologic strata was indicated in the drilling sections in the assessment report, which accorded with Ferri (OF 2003-1, Section B-B') for the Frank Creek area.\

6.2.23 Work done in 2009

The relevant report is Assessment Report 31389 by Turna, R.

Work performed in 2009 was concentrated in the Frank Creek area where two diamond drill holes (900 m) were done and rock samples were collected from a recently excavated trench.

DDH FC09-38 targeted a strong HLEM conductor. The hole intersected a quartz vein stockwork in a very intense silica-sericite alteration zone which was sulphide-poor. An unmineralized gouge (fault) zone in locally graphitic sedimentary rocks may explain the conductor here. A gold-anomalous zone occurred between 39 to 60 m, associated with Pb and Zn in graphitic argillites. Though it was necessary to test the HLEM conductor, it is considered this drill hole was poor in sulphides due to it not being on geological strike with the stratabound massive sulphides in the nearby Discovery Trench.

DDH FC09-39 targeted a strong Titan-24 low resistivity (conductor) anomaly. The upper 90 m of this hole intersected locally graphitic sedimentary rocks which had generally elevated values in a number of elements, including gold. This can be partly explained by high background geochemical values to be expected in this type of rock or by mineralization remobilized from an older deposit, though the anomalous gold may be related to relatively late veins. Hole 39 had a mineralized zone between approximately 280 m and 410 m associated with a stockwork of sulphide veins in silicified and sericitized 'quartz eye' volcaniclastics. This mineralized zone appears to correlate with massive sulphide lenses discovered in trenching if the F9 area in 2007 and drilling in 2008.

6.2.24 Work Done in 2011

The relevant report is Assessment Report 32696 by Doyle, L.E.

8 drill holes were completed in 2011 totaling 422.02 metres as a follow up to high potential targets (geophysical anomalies near surface mineralization and exposed surface mineralization by trenching on strike with the Discovery showing). Up to 20% stringer mineralization, disseminated and semi-massive to massive sulphides, was intercepted in 7 of the 8 drill holes within the first 20 metres in volcaniclastic rock. The mineralized intercepts range from .5 metres to 8.7 metres which are within broader altered zones. Mineralization consists of pyrite, with variable amounts of chalcopyrite, sphalerite and galena.

Trench FC08-TR1 on line 53N and 22W was increased to approximately 200 m in length. The glacial till in the immediate area is around 30 feet deep (10 m). An excavator was used to clear out the overburden in this highly mineralized trench in preparation for follow-up mapping and drilling.

Three trenches (FC11-TR01-TR03) were excavated totalling 185 meters in total length. FC11-TR01 was 100 meters in length, located near line 58N and 25E and exposed copper and zinc massive sulphide mineralization in multiple lenses. FC11-TR02 was 50 meters in length, located below line 58, and three rock samples were sent for analysis. FC11-TR03 was 35 meters in length and below line 57N and 27E; excavation failed to reach bedrock.

Reclamation activities consisted of access roads with old trenches and a series of deep test holes from previous exploration programs were located mostly around the eastern ends of line 57N and line 59N. Five test pits and two trenches, from the 2007-2009 work programs, totalling approximately 400 m were filled.

7.0 GEOLOGY

7.1 Regional Geology

Much of the following geological descriptions are from Turna, 2008; these summaries derive mainly from Perry, 2002 (largely after Payne and Perry, 2001) and are quoted directly in *italics* below.

The regional geology was described by L.C. Struik (1988)…The Barkerville terrane is considered to be the northwest extension of the Kootenay terrane, which to the southeast overlies the Monashee metamorphic core complex, a large uplifted mass of high-grade paragneiss, quartzite, and marble. The properties are on the flank of the northern, unexposed portion of this core complex. Northwest from the North Arm of Quesnel Lake the characteristic metamorphic minerals change from sillimanite through staurolite-kyanite, almandine garnet and biotite to chlorite northwest of the Ace claims. The garnet isograd runs northerly across the east-central part of the Ace group, while that of biotite is 30 km further northwest. Historic mines near Wells and Barkerville are in rocks of the greenschist facies. The age of both deformation and metamorphism is regarded as Mid-Jurassic, which is interpreted as the time of collision of the North American plate to the east with a group of island arcs to the west. In the Little River area, four geological terranes are represented, most of which are dominated by marine sedimentary or metasedimentary rocks.

Figures 4 and 5 show the location and structural relationship between the four terranes found within Barker Minerals' mineral claims.

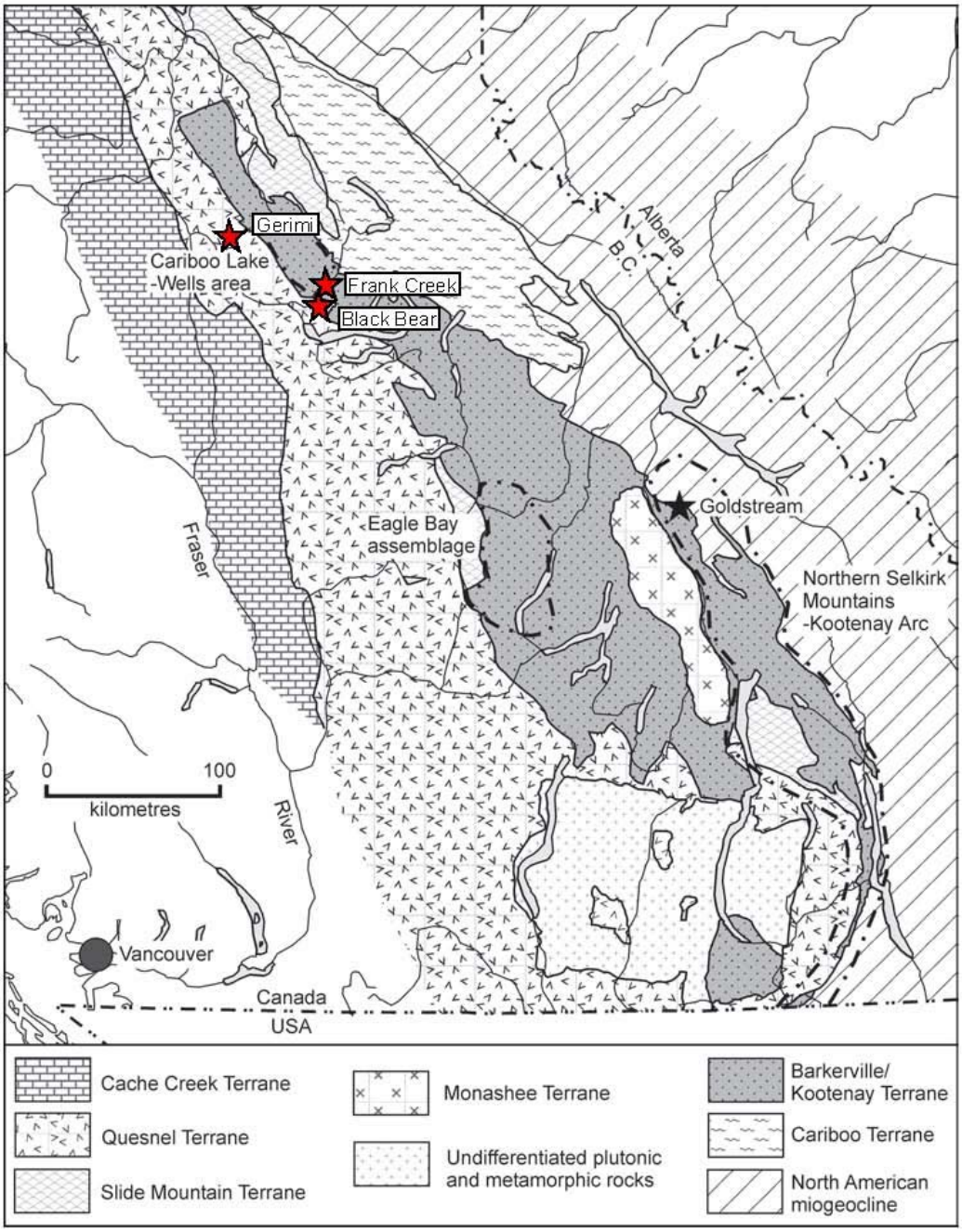

Figure 4: Terrane map of Southern British Columbia. Barker Minerals' properties are indicated by red stars

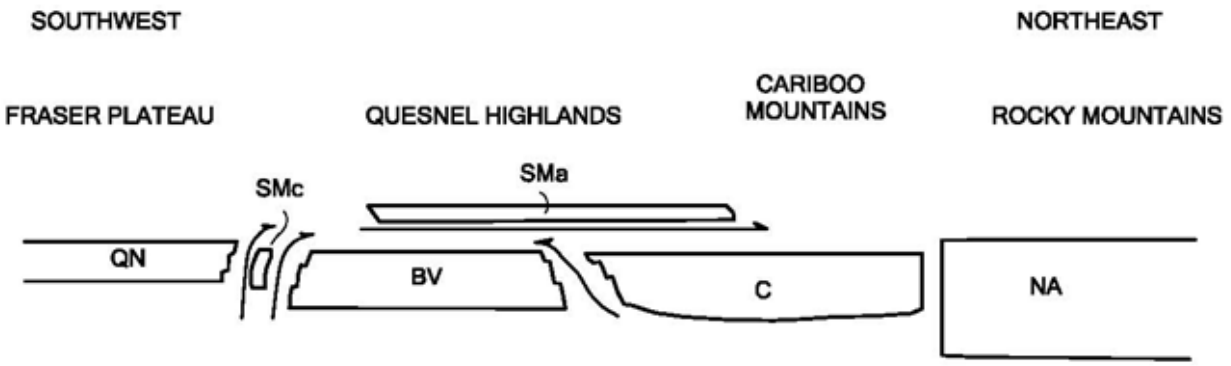

Figure 5: Regional structural section from SW-NE across the four terranes in Barker Mineral's claims area with their relative structural positions. ***BV-Barkerville, C-Cariboo, Sma-Slide Mountain (Antler Formation), SMc-Slide Mountain (Crooked Amphibolite), QN-Quesnel, NA-North American (after Struik, 1988)***

Barkerville Terrane

Most of the property area is underlain by marine strata [Snowshoe Group] *of the Barkerville terrane, whose age is classified broadly as Late Proterozoic to Mid-Paleozoic. It is categorized by the Geological Survey of Canada as a subdivision of the Kootenay terrane. The region was deformed by intense, complex, in part isoclinal folding and overturning that produced an intimate interlensing of impure quartzite, siltstone, ankeritic dolomite, pelite and amphibolite. These rocks are cut by dikes and sills of metamorphosed diorite. Locally, stronger shear deformation produced mylonitic textures.*

The northeastern third of this terrane is the main zone of economic interest in the Cariboo district. Struik described it as "gold-enriched", because it contains the historic Wells and Barkerville mines and the Cariboo Hudson deposit, 39 km and 18 km northwest of the Ace project area, respectively. This zone contains olive and grey micaceous quartzite and phyllite, amphibolite, marble, meta-tuff and meta-diorite sheets or sills. The Barkerville terrane is cut by the Mid-Devonian [Early Mississippian, Ferri and O'Brien, 2003] *Quesnel Lake gneiss (350 Ma), a coarse grained, leucocratic, biotite granitic gneiss with megacrysts of potassium feldspar. The main body of gneiss is 30 km long by 3 km wide and is elongated parallel to the eastern border of the Intermontane belt. Its contacts are in part concordant with, and in part perpendicular to, metamorphic layering. The Barkerville terrane hosts folded, sill-like masses up to 300 m thick of gneissic meta-diorite (400 Ma) and contains post-metamorphic anatectic pegmatite (86 Ma), particularly in a high-grade metamorphic aureole northwest of the North Arm of Quesnel Lake.*

12 km NE of Frank Creek an 8 km elongate diorite to gabbro sill-like intrusive has been dated at approximately 280 Ma - Early Permian (Ferri and O'Brien, Open File 2003-1). The mafic igneous rocks within the Snowshoe Group were considered to indicate alkaline to sub-alkaline compositions and be generally suggestive of an extensional tectonic setting (Ferri and O'Brien, Paper 2002-1). On the basis of geochemistry the Early Mississippian granitic rocks near Cariboo Lake are suggested to be the products of arc magmatism, and 'recognition of subvolcanic magmatism related to arc volcanism in the Barkerville Subterrane…enhances the potential for discovery of base and precious metal mineralization' (Ferri et al., 1999).

Cariboo Terrane

The northeastern part of the Little River area is underlain by marine peri-cratonic sedimentary strata of the Cariboo terrane. The Cariboo terrane consists mainly of limestone and dolomite with lesser siliceous, clastic, sedimentary rocks and argillite. Some geologists believe that the Cariboo terrane is a shallow, near-shore facies and the Barkerville is a deeper, offshore facies of the same erosion-deposition system. No rifting is suspected between the Cariboo terrane and the North American continent, in contrast to that between the Barkerville terrane and the North American continent.

The Cariboo and Barkerville terranes are separated by the regional Pleasant Valley thrust fault, which dips northeast moderately to steeply. It is reported by Struik (1988) to have moved the Cariboo block from the east over the Barkerville block along a strike length of over 100 km. In the map area, the fault cannot be found, suggesting that much of the movement attributed to it may have occurred by shearing in a broad zone along the "contact" between the two terranes. Some of the carbonate layers in the lowest part of the Cariboo terrane (or upper part of the Barkerville terrane) are enriched in zinc and lead. Since the 1970's, preliminary exploration on stratiform Zn-Pb targets has been conducted in this area over a strike length of 23 km from the vicinity of the head of the North Arm, via Maeford Lake to the Cariboo (Maybe) prospect.

The Cariboo terrane was cut by the Jurassic-Cretaceous Little River stock, a medium-grained granodiorite grading to quartz monzonite. A normal fault along its southwest side (Little River fault) dips east and extends southeasterly to Limestone Point, on the western side of the North Arm of Quesnel Lake. It intersects, and in some literature has been confused with, the Pleasant Valley thrust. It moved chlorite-biotite metamorphic grade strata of the Cariboo terrane eastward to rest against staurolite-kyanite metamorphic grade strata of the Barkerville terrane.

Quesnel Terrane

A small southwestern portion of the Little River area is underlain by the Late Triassic to Early Jurassic, allochthonous Quesnel terrane. It was accreted to the North American continent, in part by subduction and in part by obduction. The Eureka thrust fault marks the boundary between the Quesnel and Barkerville terranes as well as that between the Intermontane and Omineca physiographic belts. The terrane is partly submarine and partly subaerial, consisting of volcanic and volcaniclastic rocks and co-magmatic intrusions, with minor carbonate lenses and related sedimentary rocks. Regionally, it hosts many important mineral deposits, mainly of Cu and Cu-Au, such as Highland Valley, Craigmont, Copper Mountain, QR and Mt. Polley. The Bullion Pit, from which 175,700 oz. of placer gold were produced, is near Likely just on the west side of the boundary between the Barkerville and Quesnel terranes.

Slide Mountain Terrane

Rocks of the allochthonous, Devonian to Late Triassic, Slide Mountain terrane underlie a very small part of the Little River area. Portions of these rocks were obducted, while others were subducted during collision of an oceanic plate with the continent. It is exposed east of Wells and Barkerville as the upper plate overlying the generally low-angle Pundata thrust fault. This fault it is nearly vertical where it crosses the southwestern part of the Little River area. Small slices of mainly mafic volcanic rocks and alpine-type ultramafic rocks of the Slide Mountain terrane occur in and parallel to the Eureka thrust. Minor lithologies include chert, meta-siltstone and argillite.

Glaciation and glacial deposits

The last glacial stage that affected the Quesnel Highland, the Fraser glaciation, began 30,000 years ago. Much of this ice had melted by 10,000 years ago, but small remnants are preserved high in the alpine areas of the Cariboo Mountains. At lower elevations, glaciers of this age scoured the debris left by preceding ice advances, almost completely destroying them, leaving a chaotic assemblage of unsorted till, moraine and drift, with lenses of gravel and sand that had been roughly sorted by meltwater and rivers, leaving behind beds of silt and clay that were stratified by settlement in ice-dammed lakes. In the Cariboo area, the debris covers bedrock in valleys below 1700 m, leaving typical glacial features such as U-shaped valleys, ice-sculpted drumlins, moraine terraces and glacier and river benches. On the Barker Minerals properties, glacial deposits range from one to a few tens of metres thick. Some glacial till deposits are overlain by well-bedded glaciolacustrine clay and silt deposits up to a few tens of metres thick. In much of the Cariboo district, a layer of distinctive, hard, compact, semi-rigid blue clay sits either on or slightly above bedrock and acts as "false" bedrock. It was formed from glacial drift left behind by the last ice advance prior to the Fraser glaciation and was compacted by the weight of the Fraser stage ice. In the placer-gold areas of the Cariboo, large amounts of gold were recovered from gravel resting on this

clay. In places the clay layer was penetrated by the placer miners to reach richer "pay streaks" on true bedrock below.

7.2 Local Geology

7.2.01 Frank Creek Geology

Refer to Figure 6A and 6B for the broad-scale geology, stratigraphy, and geologic section of the Frank Creek project area. Refer to Figure 7 for more detailed geologic mapping of the Frank Creek project area.

Work by Struik (1983), Ferri (2001) and Ferri and O'Brien (2002) placed the rocks of these project areas in the Snowshoe Group of the Barkerville terrane. These rocks include, from oldest to youngest, the Keithley succession, Harvey's Ridge succession and Goose Peak quartzite.

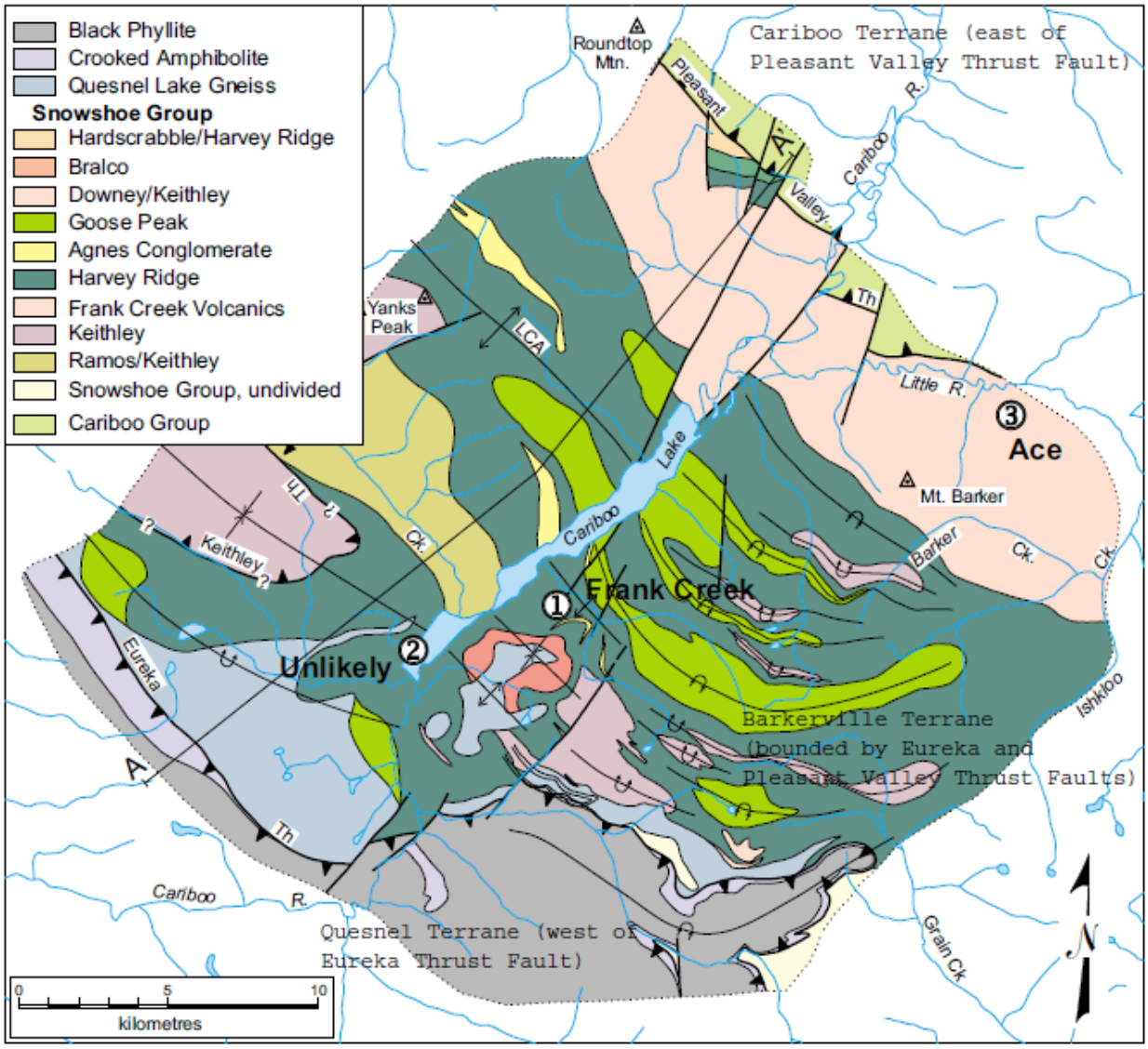

Figure 6A: Geology and stratigraphy of the Snowshoe Group at the Frank Creek project area (after Ferri, 2002)

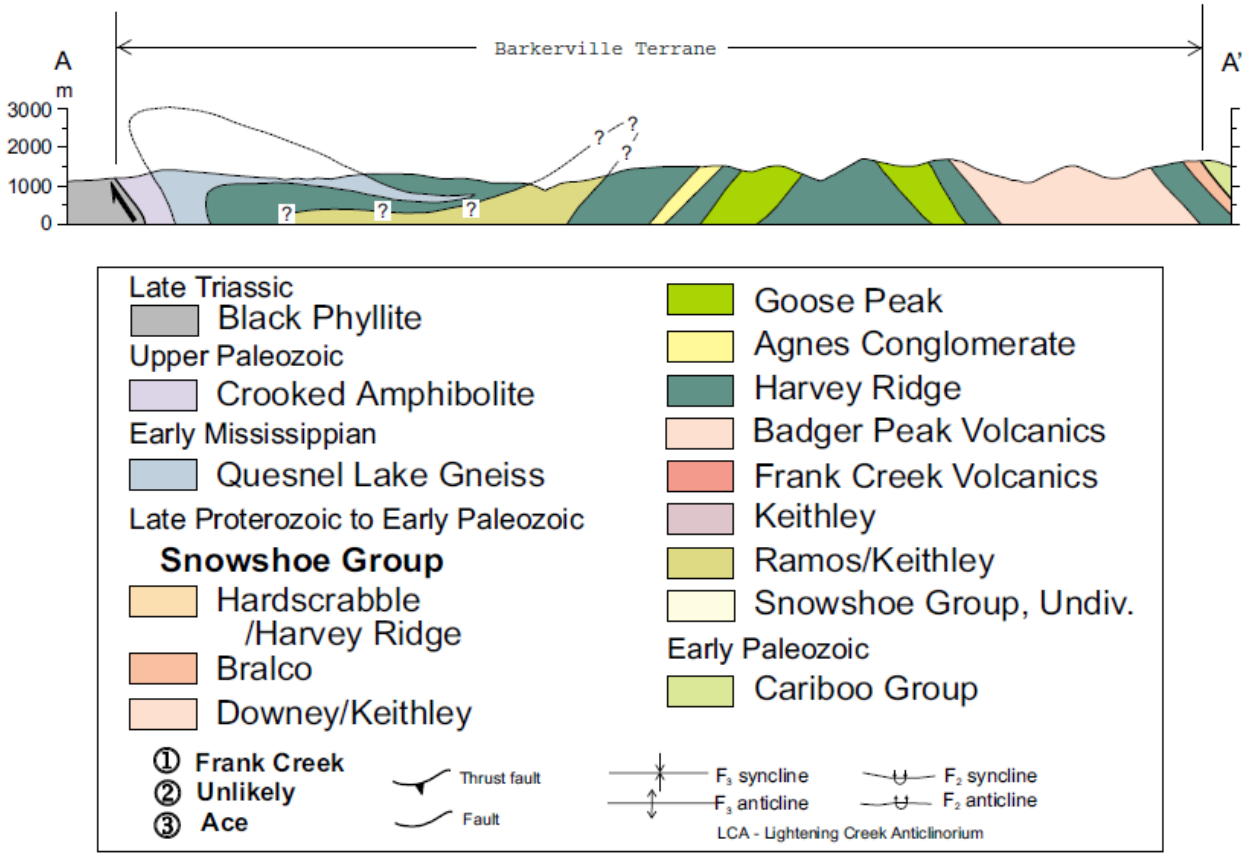

Figure 6B: Geological section and legend (after Ferri, 2002)

The Keithley succession consists of micaceous quartz sandstone to siltstone, phyllite and quartz-muscovite schist, in which common pyrite and ankerite porphyroblasts give a brown to rusty brown weathering surface. At the top of the Keithley succession is a distinctive quartzite. Southwest of Browntop Mountain, a section of rusty-weathering quartz- chlorite- muscovite- schist of the Keithley succession contains two stratabound intervals of marble 50-75m thick. This area also contains a quartzite unit that is less than a few metres thick and contains minor disseminated chalcopyrite, sphalerite and galena. The upper contact of the Keithley orthoquartzite is sharp with the dark grey to black siliceous siltstone and phyllite of the Harvey's Ridge succession.

The lower part of the Harvey's Ridge succession is characterized by dark grey to black phyllite, schist, siltstone, siliceous siltstone and sandstone. An important wedge of mafic volcanic rocks occurs west of the Frank Creek fault. The upper contact of the Harvey's Ridge succession is gradational with the overlying Goose Peak quartzite. The contact is placed at the base of the lowermost, thick section of clean, feldspathic sandstone to quartzite. The Harvey's Ridge succession contains abundant interlayers of coarse grained, feldspathic sandstone and wacke, similar to but darker in colour than those of the Goose Peak quartzite.

The Goose Peak quartzite contains micaceous and feldspathic sandstone to quartzite, with minor interlayers of grey to dark grey phyllite/schist, siltstone, wacke and quartz-chlorite-muscovite schist

(possibly of volcanic origin). This unit caps many of the higher ridges situated to the east of the Frank Creek fault, including Goose Peak, Badger Peak and Borland Mountain.

The Agnes conglomerate occurs in the upper transitional portion of the Harvey's Ridge section and may be a lateral equivalent of the Goose Peak quartzite. The Quesnel Lake gneiss, which intruded the older rocks in the Frank Creek area, was dated at 357.21.0 Ma by the U-Pb zircon method by the BC Geological Survey (Ferri, Hőy and Friedman, 1998).

The stratigraphic section is overturned and warped by a series of broad late-stage (F3) folds. Most rocks are variably slaty, foliated, laminated or schistose. In much of the Frank Creek area, the main foliation (S2) dips moderately to the west or southwest, in contrast to the regional trend of moderate dips to the northeast, such as at the Ace project area. The Frank Creek area is in the nose of a series of broad F3 folds that warp S2 gently to steeply, locally, and plunge gently to the northwest.

Most rocks of the Frank Creek project area are of the Harvey's Ridge succession. At the stratigraphic base of the section (top of Frank Ridge) is a finely banded, tuffaceous, basaltic andesite. Much less abundant are massive, coarser grained flows, one of which contains a few pillow flows, whose orientation supports the overturned model. A transition zone contains intercalations of volcanic and sedimentary rocks and mixed rocks described as tuffaceous phyllite. Stratigraphically overlying this unit (downslope to the north) is a zone of mixed quartz pebble and sugary quartz sandstone, dark grey to black quartz siltstone and black argillite.

Further downslope is a unit at least several tens of metres thick containing abundant angular fragments of quartz and lesser plagioclase ranging 0.5 - 3 mm in size. This unit has been interpreted previously either as pebbly sandstone to conglomerate or medium to coarse felsic tuff. The unit contains intervals up to a few metres thick of black, argillaceous schist that is mainly non-graphitic, but contains local zones of significant graphite content.

A broad interval represented by little to no outcrop separates the main zone of quartz-pebble rocks from the stratigraphic level of the massive sulphide. Stratigraphically above the massive sulphide showing is a small outcrop containing abundant zones of pyrite and chalcopyrite replacement and stringer mineralization. The discovery of the massive sulphide zone and its probable genetic relationship to these rocks, which have been interpreted by Payne and some others to be felsic volcanic rocks, indicate that this area has potential for an economic VMS mineral deposit. [Mckinley (2004, pg. 14) disagrees about the type of host rock. '… there are no felsic volcanic rocks present in the area'].

[The hosting volcanic rocks need not be thick. Evans and Moon (1995, pg. 292) state '[The deposits of Kuroko-types] often occur within a limited stratigraphic interval…This is usually at the top of the felsic stage of cyclical, bimodal, calc-alkaline volcanism… Sometimes this favourable horizon is hosted by quite relatively thin developments of volcanic rocks, as in the Iberian Pyrite Belt where the volcanic-sedimentary complex underlying the many enormous ore bodies of this region is only 50-800 m thick. The Japanese Kuroko mineralization and associated volcanism occurred during a limited period of the Middle Miocene in the Green Tuff volcanic region. By contrast the deposits of the Noranda area, lie in a narrow stratigraphic interval within a vast volcanic edifice at least 6,000 m thick'].

Further to the east and northeast is a resistant marker unit of quartzite and locally finely laminated limestone. The interpretation of this unit is not resolved. If the section is overturned, as detailed data suggest, this could be part of the Goose Peak quartzite. Alternately, it might be an interval of the Agnes conglomerate. In some outcrops, a pseudo-conglomeratic texture was produced by deformation. Some of these outcrops contain scattered, rounded boulders up to 25cm across of quartzite of the same composition as the matrix. If they are actual boulders, the rock would be a true conglomerate. However, the absence of exotic boulder types argues that they are pseudo-boulders and are the products of the regional metamorphism. The limestone is exposed only in the canyon of Frank Creek. The quartzite continues as a significant stratigraphic marker unit to the southwest, where it does not contain any pseudoconglomeratic textures.

To the east, a major fault (Frank Creek fault) identified in this study, drops the Frank Creek block down with respect to the Goose Peak block to the east, in which surface rocks are dominantly Goose Peak quartzite. Although regionally, F3 folds and L12/L23 lineations in the Goose Peak block also plunge gently to moderately to the northwest, within about 1 km of the Frank Creek fault, the plunge is reversed to gently to the southeast. Further work on the regional folding should be done in order to resolve the facing direction of the stratigraphic section and the direction of movement on the Frank Creek fault. Preliminary work in this study suggests that the stratigraphic section is overturned and the fault is normal.

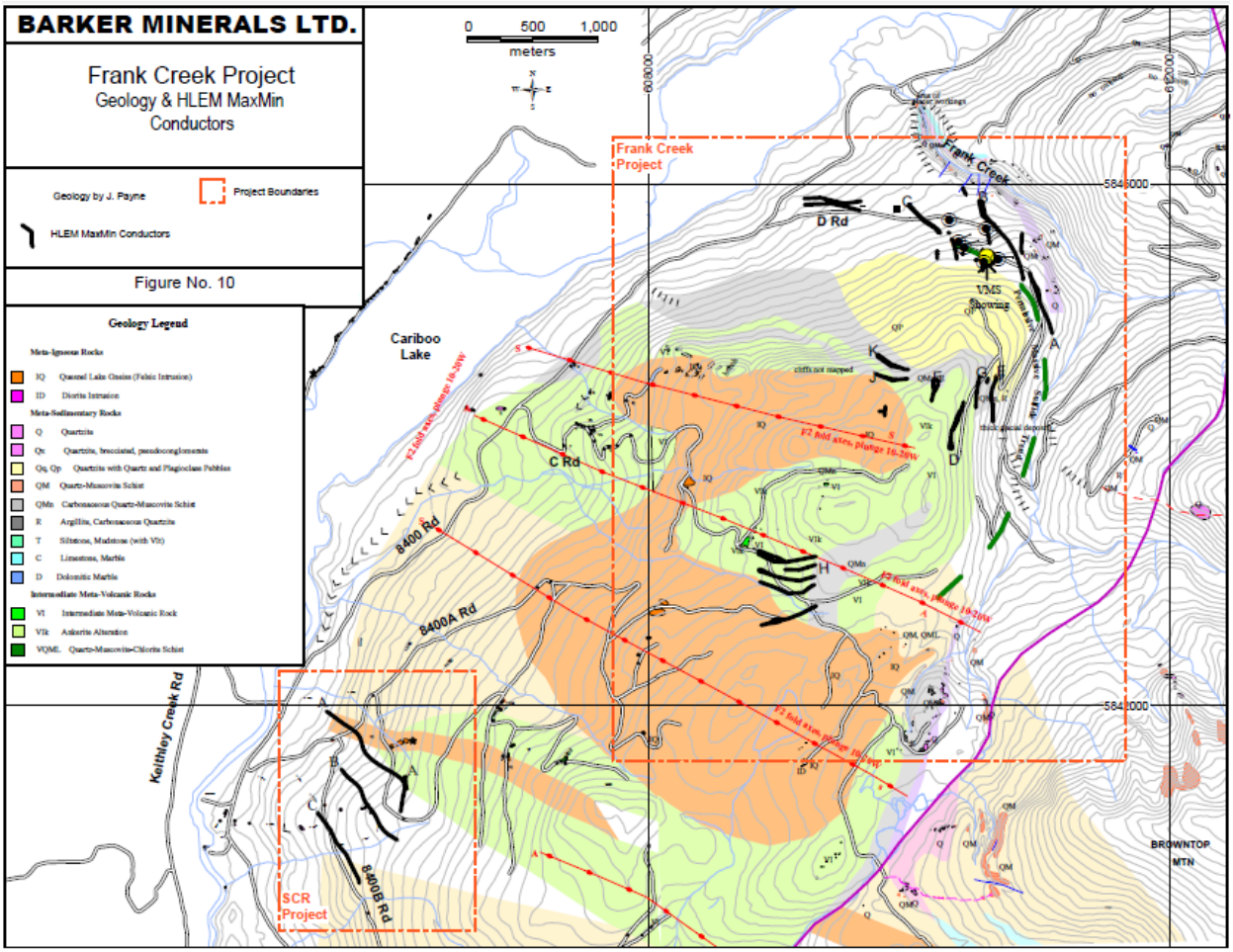

Figure 7: Frank Creek geology map with HLEM conductors (From Payne, 2001)

7.2.02 Black Bear Geology

The geology of the Black Bear property consists of locally graphitic and tuffaceous dark grey shales with minor interbedded limestone and minor calcareous siltstone (refer to 'Black Phyllite' unit in Figure 6 and Unit 1 in Figure 8). The assemblage belongs to the basal unit of the Nicola Group in the Quesnel Terrane, a composite volcanic-arc sequence dominated by Mesozoic mafic to intermediate volcanic rocks. Horizons of bleached light grey to greenish phyllite are commonly associated with mineralized quartz veins. Several occurrences of a dark green ultramafic or gabbroic rock occur in small outcrops and large rounded boulders. This rock commonly contains fuchsite. Andesitic volcaniclastics and pillow breccia have been described in the north side of Collins Creek (Cooper, 1984).

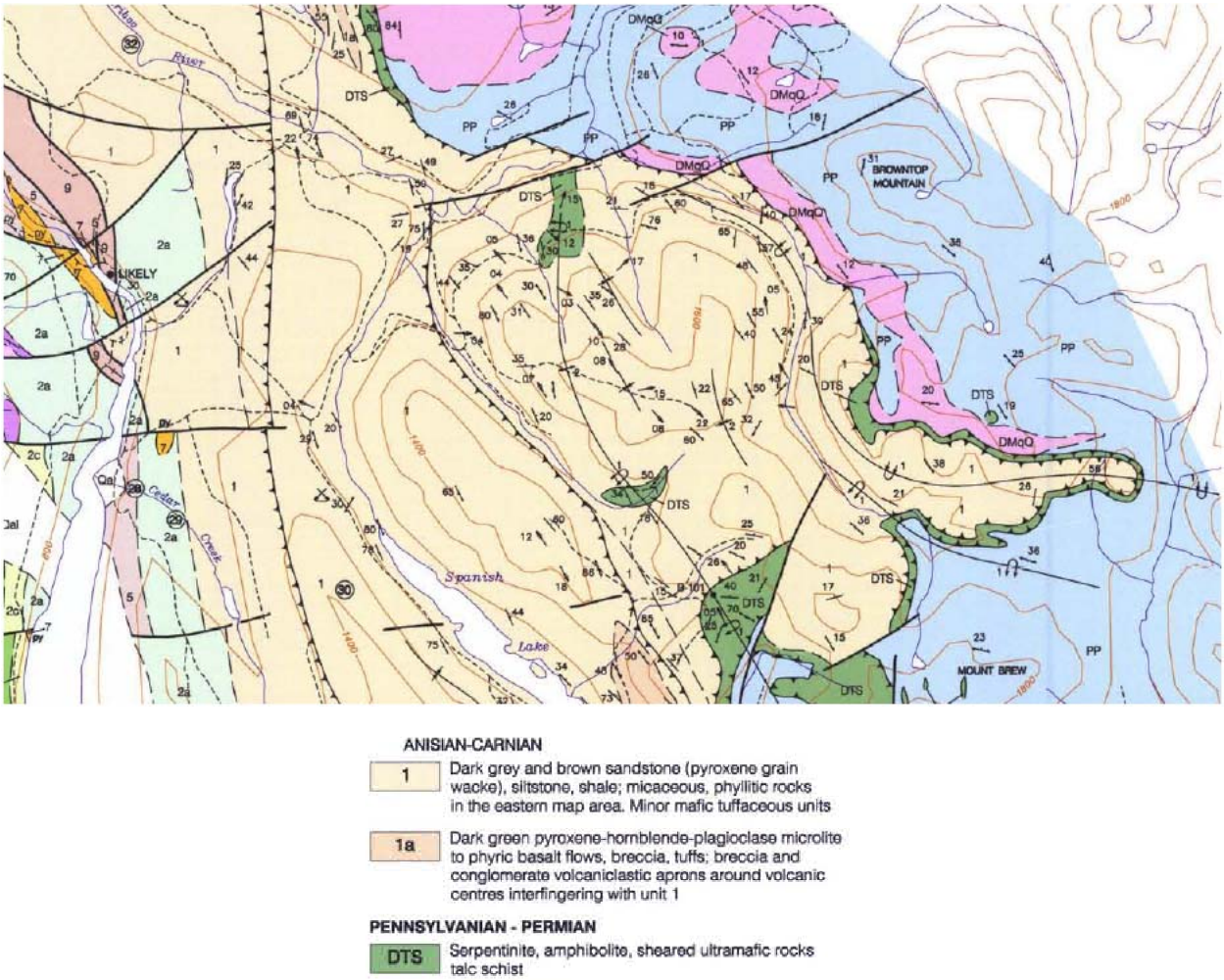

Figure 8: Geology of the Black Bear project area (Bulletin 97, Ministry of Energy and Mines - A. Panteleyev, D.G. Bailey, M.A. Bloodgood and K.D. Hancock, 1996)

Bedding and foliation parallel to bedding strike NW-SE and dip shallow to moderately NE. Panteleyev et. al. (1996) mapped the fold axis of an antiform in the Collins Creek area of the Black Bear property and a splay of the Eureka Thrust Fault along Black Bear Creek.

Quartz and quartz-iron carbonate (siderite) veins range in size from centimeters up to 8m of exposure with persistent pockets of partly leached galena, pyrite and trace argentite mineralization along a NW/SE strike. Multiple parallel veins with consistent lateral mineralization of up to 150m are common to both Providence and Hunt targets. The quartz and quartz-iron carbonate veins are locally intensely oxidized and leached leaving them with rusty red stains and vugs of partly leached sulphide (pyrite + galena). Fuschite (chrome mica) is a common mineral along vein selvages in association with galena mineralization and in the host rocks as possible late alteration overprint.

Dark grey argillite and laminated felsic rock are the host rock of the quartz and quartz iron carbonate veins on the Black Bear property. The vein mineralization branches out from the felsic centers into the argillite before pinching out. As observed in most of the trenches, the mineralized veins have a general NW/SE strike and a N/NE dip and extend over a 2km trend from TR-07 (LCTR3) in the NW to TR-01 (Providence Adit) in the SE.

8.0 Economic Targets

8.1 Black Bear

Barker Minerals is exploring the Black Bear Property for Au-quartz veins (BCGS Deposit Type I01) and polymetallic veins: Ag-Pb-Zn+/-Au (BCGS Deposit Type I05). The possibility of stratigraphically controlled disseminated gold mineralization (similar to the *Spanish Mountain Gold Ltd.* project 5.0 km to the southwest) is also being considered. The economic target at Black Bear is high grade Ag ± Au in quartz-galena veins hosted in the sedimentary rocks of an extensional basin.

Mineralization on Black Bear property consists of discontinuous blebs of galena and pyrite in quartz and quartz-iron carbonate veins. These mineralized veins occur as float and outcrop over approximately a 2 km NW-SE trend from the Providence adit at the SE end.

8.2 Frank Creek

Barker Minerals is exploring the Frank Creek Property for volcanogenic massive sulphides deposits. The rock hosting the known massive sulphide mineralization on the Property is quartz-muscovite schist. Regional metamorphism has disguised the protolith such that identification of the host rock has been difficult. The host rock has been interpreted as quartzite, quartz-eye tuff, felsites, or rhyolitic volcaniclastics by various geologists in past and present work. Controversy is likely to continue.

Past opinions of some have favoured the massive sulphide prospect at Frank Creek to be Besshi-type or sedex due to the apparent lack of felsic volcanism at Frank Creek; the host rocks at the Frank Creek Showing were considered metamorphosed shales, argillites and quartz-eye grits or quartzites. Christopher Wild, former Chief Geologist of Goldstream Mine, near Revelstoke, B. C., stated the geological setting, mineralization and host rocks here are all remarkably similar to the Goldstream Mine mineral deposit, which produced more than 2 million tonnes of ore at a grade in excess of 4.0% copper and 2.2% zinc. (Doyle, L.E., in Assessment Report 27125 pg. 16). The Goldstream deposit is considered a Besshi-type massive sulphide. Barker Minerals' L.E. Doyle, President, and R. Turna, Vice President of Exploration consider the Frank Creek prospect to likely be Kuroko-type. The hosting 'quartzites' are considered to be rhyolitic volcaniclastics. The prospect has important components of galena mineralization, barite (suggested in the 2007 soil survey and exposures in Trench TR07-4) and extensively occurring stockwork or stringer mineralization. The above characteristics are more indicative of Kuroko rather than Besshi deposits. Carbonaceous black shales, the common host of sedex deposits, appear to mainly overlie rather than host the Frank Creek massive sulphides.

9.0 QA/QC of Sampling and Sample Collection

9.1 Sampling Method and Approach

The drill core was split in half with a table-mounted diamond saw in the cutting trailer in camp. Half of the core was returned to the core box and the other half was placed in a marked plastic bag, zip-tied, and stored prior to shipment to the analytical lab. Care was taken to minimize cross-sample contamination and to ensure representative samples were being collected. Core recovery factors during drilling which could materially affect the accuracy of the results are described as core recovery percentages in the drill logs.

Soils were sampled and/or collected from the flanks of logging roadside and placed into either plastic sample bags or paper bags. A shovel was used to recover soil from a depth of 15-25cm with intent to collect from the B soil horizon where possible. Where a B-horizon was not attainable, sample mediums did include A and C horizons and regolith. At each sample location, a GPS waypoint was taken and marked in a notebook, the area was flagged with tape, and any pertinent observations (soil horizon, moisture content, colour, etc.) were noted.

Core samples were shipped in plastic rice bags to the analytical lab. Samples were stored in the garage or cabin at the camp prior to shipment. After sampling the core boxes were returned to their storage locations in camp.

9.2 Laboratory Methods

9.2.01 Sample Preparation and Analysis

Samples from DDH BB-2012-07 were sent to *AGAT Laboratories Ltd*. of Burnaby B.C. for base and precious metal analysis. Samples from the BB-East soils program and the Frank Creek property drill-program of 2013 were sent to *Activation Laboratories Ltd*. of Kamloops B.C. for base and precious metal analysis.

Samples from DDH BB-2012-07 were subject to three types of analyses by *AGAT Laboratories Ltd*. of Burnaby, BC; an aqua-regia digest with an ICP/ICP-MS finish (AGAT code 20174), a fire-assay with an ICP-OES finish (AGAT code 202055), and a lithium borate fusion with an ICP-OES finish (AGAT code 201076). Samples from the BB-East soils program and the Frank Creek property drill-program of 2013 were subject to two types of analyses by Activation Laboratories Ltd. of Kamloops, BC; an aqua-regia digest with an ICP-MS finish (ACTLABS code UT-1) and a fire-assay with an ICP-OES finish (ACTLABS code 1C-OES).

All lab results are accompanied by the laboratory sample preparation, analyses methods, and quality assurance and can be found in Appendix 2 (Black Bear) and Appendix 5 (Frank Creek).

All pulp and reject samples were shipped back and stored in camp for future QA/QC and further analyses.

9.2.02 Verification of Accuracy

Check samples (standards) from *WCM Minerals* of Burnaby, BC with certified metal concentrations were included at specific intervals when samples were sent to the labs for analysis. The Labs, as well, performed their own accuracy checks with certified samples, blanks, and duplicate analyses of Barker's samples.

10.0 Current (2012/2013) Work Performed

10.1 Black Bear Property

10.1.01 Black Bear Work Performed in 2012

The previous assessment report (AR 33309) pertaining to the Black Bear property did not include the final drill hole of 2012 (BB-2012-09) nor the analytical data for drill hole BB-2012-07 as both sets of information were not available at the time of submittal. Please refer to AR 33309 for a general map of the Black Bear 2012 drill holes and work locations.

Table 2: 2012 Black Bear Drill Hole Parameters

2012 Drill Hole	Easting	Northing	Elevation (m)
BB-2012-06	0607037	5832834	1378
BB-2012-07	0606956	5832840	1382
BB-2012-08	0606991	5832877	1402
BB-2012-09	0606924	5832825	1366

The aim of the 2012 drill program at the Black Bear property was to test for shallow extensions for the high grade Ag-Pb-Au vein mineralization exposed in outcrop and by trenching at surface.

Similar to the previous holes on the Black Bear property in 2012, drill hole BB-2012-09 was collared vertically (90^{o} dip) and drilled to a total depth of 107.29m between October 12th and December 1st, 2012. An NQ bit size was used until 28.04m and subsequently reduced to BQ for the remainder of the hole.

BB-2012-09 intersected alternating horizons of black carbonaceous and grey fissile shale (phyllitic siltstone). Input from local volcanism could be seen as pyroclastic clasts, tuffaceous sediments, or tephra. The alteration mineral assemblage consists of muscovite, carbonate, quartz, calcite, fuschite (a green chrome-bearing mica), pyrite, sphalerite, and pyrrhotite. No significant visual mineralization was intercepted. Refer to Appendices 3 and 4 for detailed drill logs and drill sections).

Analytical results for gold presence in BB-2012-07 were discussed but not included in the previous assessment report (AR 33309). See Appendix 2 for the base and precious metal analyses conducted by *AGAT Laboratories Ltd* from Burnaby, BC. The results are briefly summarized in Section 6.1.03 of this document.

10.2 Frank Creek Property

Work Performed in 2013

Six drill holes were completed on the Frank Creek property to a combined depth of 512.12m between June and November of 2013.

Table 3: 2013 Frank Creek Drill Hole Parameters

2013 Drill Hole	Easting	Northing	Elevation (m)
FC-2013-09	0610486	5845537	1118
FC-2013-10	0610630	5845889	1048
FC-2013-11	0610630	5845889	1048
FC-2013-12	0610525	5845882	1029
FC-2013-13	0610540	5845749	1072
FC-2013-14	0609798	5845044	1185

All pertinent information to each drill hole can be found in detail in the attached drill-logs and sections in Appendices 5 and 6. Refer to Figures 10, 11, and 12 for location of drill holes and test pits completed at the Frank Creek property in 2013.

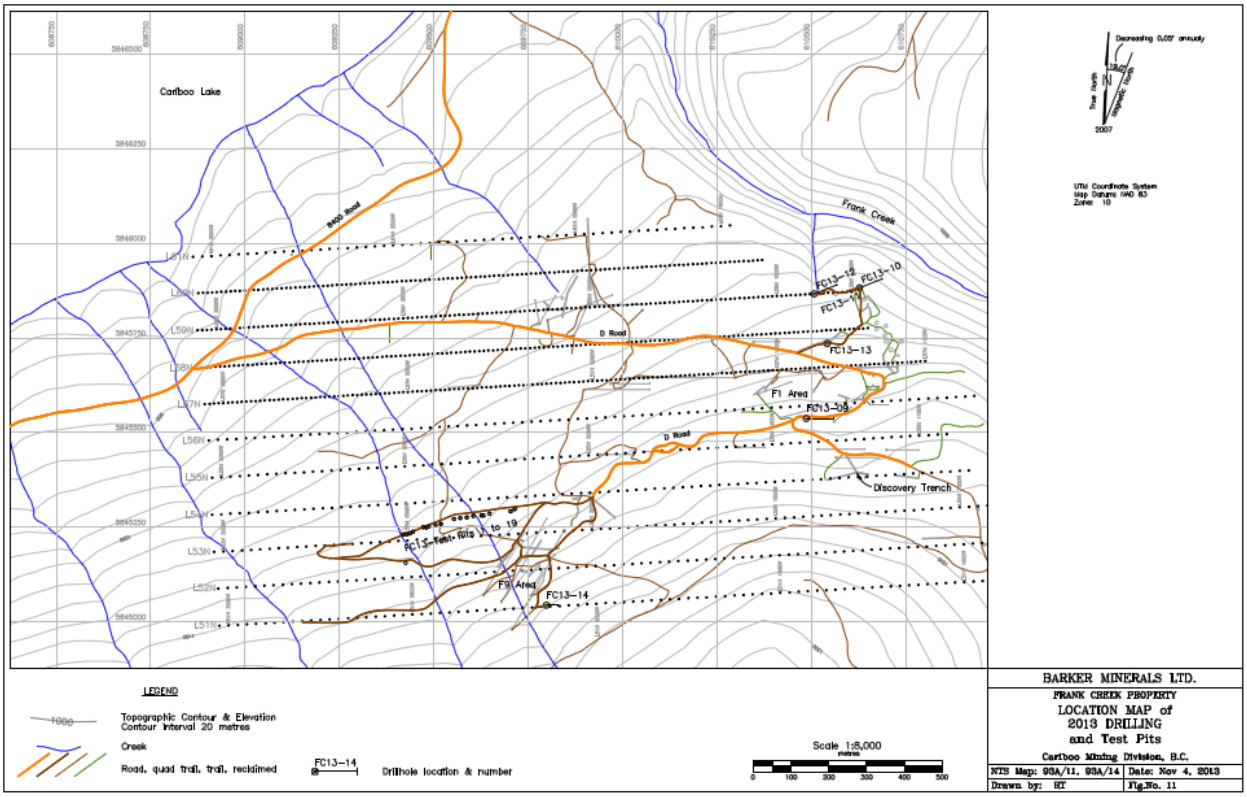

Figure 10: Location map of 2013 work completed at Frank Creek

FC-2013-09 – The objective of this hole was to follow up and confirm elevated gold results from FC-2011-03, on Line 55N, by twinning the hole (same location/azimuth/dip) due east with a 60º dip. FC-2013-09 was drilled to a depth of 147.5m but did not yield any significant gold results when compared with FC-2011-03 (refer to lab results in Appendix 5). The hole intersected small replacement lenses of massive sulphide, thought to represent the Discovery mineralization trend (refer to *Quantec Geosciences Inc. Titan Survey Pages F22-F28 in* Appendix 8), of 40cm at 62.65m and 47cm at 67.43m depth. A stockwork of pyrite stringers surrounds the mineralized lenses that were bound by a light-medium grey greywacke (protolith is interpreted to be felsic volcanic but is still openly contested).

FC-2013-10 – Purpose of hole was to follow up on a low resistivity (inferred conductor) anomaly (refer to *Quantec Geosciences Inc. Titan Survey Pages F36-42 in* Appendix 8*)* at 30-250m depth at the northeastern side of the Frank Creek property between lines 58-59N and to further seek the source of placer gold found in Frank Creek. The intersection of the core of this anomaly was expected at 100m depth. FC-2013-10 was drilled at a 70º azimuth and 60º dip to 128.63m and intersected repeated alternating horizons of black graphitic argillite with sharp contacts between a highly altered (locally intense sericite, muscovite, qtz-carbonate veins, and cr-mica) soft and aphanitic green unit. No significant mineralization or elevated precious metals were intersected (refer to lab results in Appendix 5) and the low resistivity anomaly was attributed to the presence of black graphitic argillite.

FC-2013-11 - Purpose of hole was to verify the dip orientation of the stratigraphy encountered in hole FC-2013-10 by drilling in the same location and opposite direction (azimuth 250º, dip of 60º). The hole was drilled to 26.85m and laminations and foliation were mainly determined to be an acute angle to the core-axis at 20-30º. A 90 degree angle of bedding and foliation to the core-axis generally denotes drilling perpendicular to bedding; an acute angle to the core-axis denotes drilling closer to bedding parallel. Only an intensely fractured black graphitic argillite unit was intersected.

FC-2013-12 - Purpose of hole was to create a drill fence westward from the low resistivity, inferred conductor, anomaly drilled at FC-2013-10 on the eastern portion of Line 59. FC-2012-12, drilled to

128.73m with a 68^{o} azimuth and 60^{o} dip, intersected similar alternating horizons to that of FC-2013-10. The hole exhibited repeating units of black graphitic argillite with sharp contacts between a soft and altered light green-grey unit with an identical alteration mineral suite. No significant mineralization was intersected. The black graphitic argillite was interpreted to be the source of the low resistivity anomaly.

FC-2013-13 - Purpose of hole was to drill a Pb anomaly from the Enzyme Leach survey (refer to Appendix 9) in an attempt to intersect the Discovery mineralization trend. Pb is a relatively immobile element and elevated values in soils should reflect mineralization in local basement rock, thus drilling the anomaly is a viable option. The hole was meant to be shallow and quick whilst waiting for permitting for further drilling in the FC13-09 area on Line 57 (refer to *Quantec Geosciences Inc. Titan Survey Pages F29-F35 in* Appendix 8). Initially, the hole encountered difficulty due to lack of casing. Hole was ceased after a drill rod broke down hole and rods were not recoverable. 18.90m (2 boxes) were produced only containing overburden of quartz-muscovite and carbonaceous schist.

A first-pass XRF study was conducted to on FC-2013-09, 10, 11, and 12 to gain semi-quantitative geochemical results (refer to results in Appendix 10) to help discern if a hole warranted lab analysis. The XRF analysis was repeatedly giving elevated gold values (up to 34.82ppm) for the light grey-green muscovite and sericite altered unit in FC-2013-10 and 12; it was decided that FC-2013-10 was to be sent for lab analysis to follow up on these XRF gold readings. Lab results returned with insignificant gold values and the gold values determined by the XRF were deemed to be false readings. False readings from a handheld XRF instrument can be attributed to matrix effects of the sample medium or overlapping peaks from elements with similar wavelengths. From the lab results, the grey-green altered unit is elevated in arsenic compared to the intercalating black argillite. Arsenic is well-known to interfere by overlapping gold peaks and giving false readings; this is the likely source of the false gold readings given for FC-2013-10 and 12.

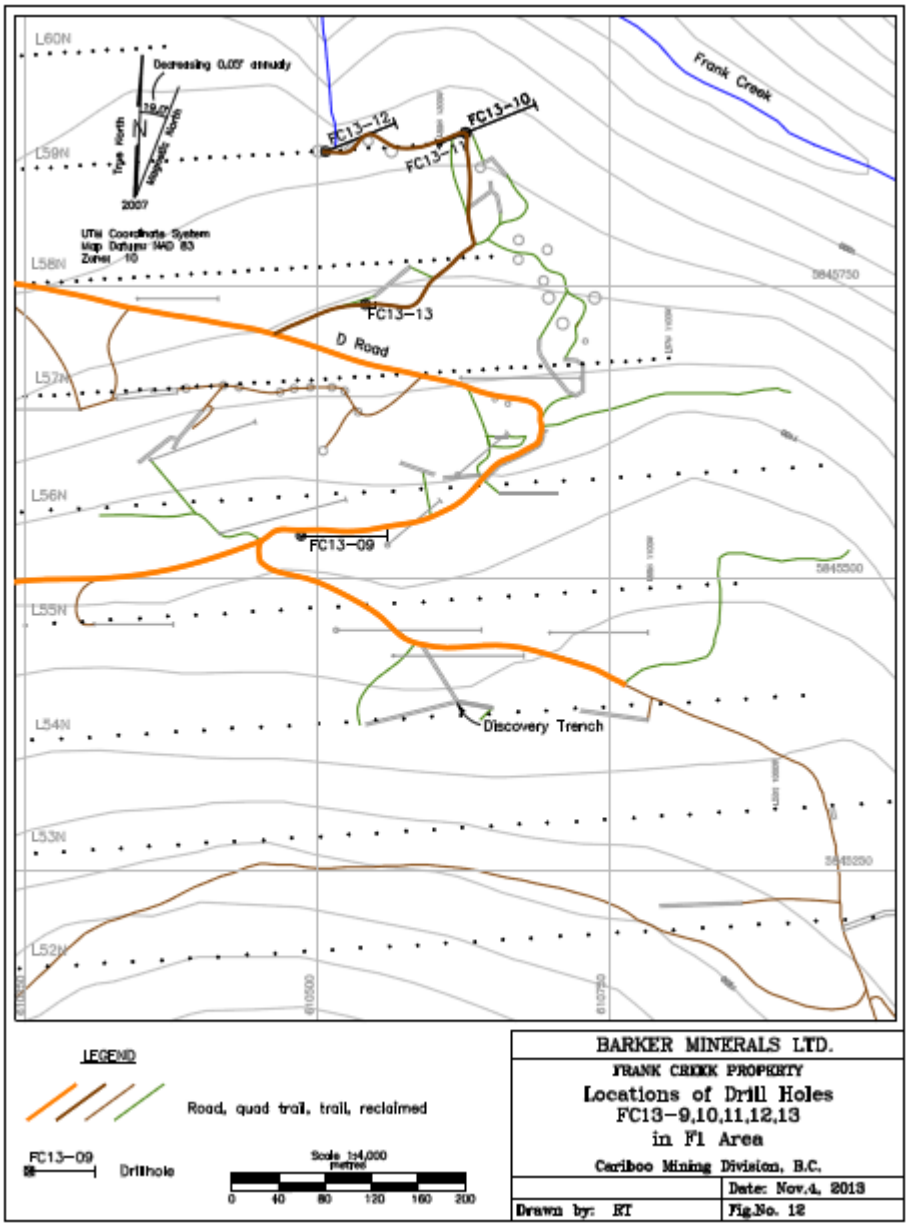

Figure 11: Locations of DDH FC-2013-09, 10, 12, and 13 on the Eastern side of the FC property

FC-2013-14 - Purpose of hole was to test chargeability high on L51N (refer to *Quantec Geosciences Inc. Titan Survey Page F8-F14 in* Appendix 8*)* with a target depth greater than 100m. Hole was drilled to 67.56m due east with a dip angle of 70º. The hole intersected a 24cm rotted lens of massive sulphide rich in cr-mica at 3m and three semi-massive sulphide lenses in the upper 17m of the hole (55cm, 34cm, and 22cm in length respectively). A small 3cm band of massive chalcopyrite was intercepted at 65.23m shortly before the termination of the hole. The hole was sampled and shipped to *Activation Laboratories Ltd.* of Kamloops, BC but analytical results were not available before the deadline of submittal of this assessment report.

A series of 19 test pits were completed by an excavator in an attempt to follow the continuation of the mineralization intersected in the northern section of trench FC08-TR1 (see AR 32696) and were

completed between proposed trenches T2 and T3 (2009 Proposed Drilling, Trenching, and Access Trails, Turna 2009) along an existing logging road (See Figure 12). The test pits yielded minimal outcrop as glacial overburden is meters thick in the locality. The outcrop exposed in the test pits was predominantly oxidized blue quartz-muscovite schist with no mineralized horizons.

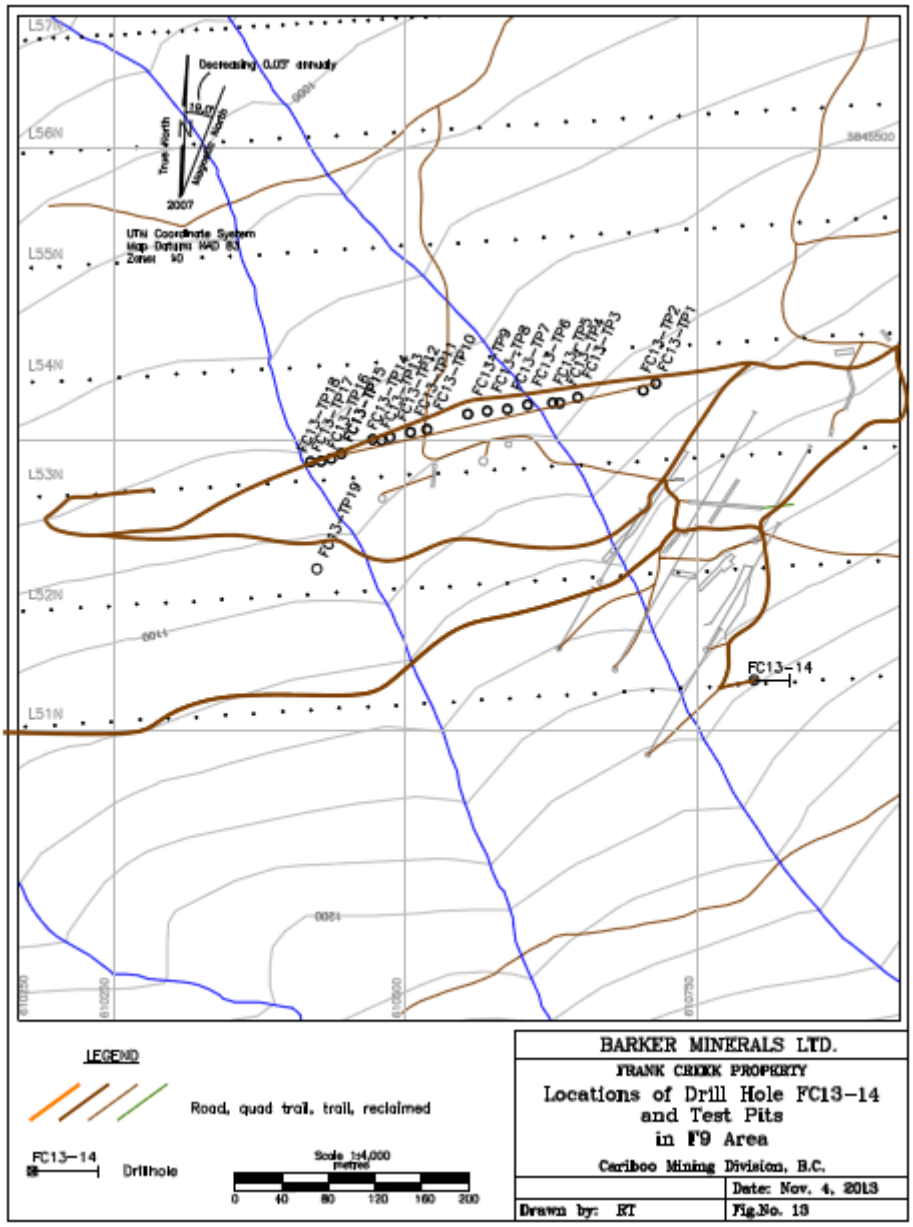

Figure 12: Locations of DDH FC-2013-14 and 19 test pits in F9 area on western side of FC Property

.A small prospecting exercise was conducted in both work areas of 2013 at the Frank Creek property in an attempt to discern the orientations of strata and the strata-bound mineralization. The field notes can be found in Appendix 10. The findings revealed a repeating orientation of strata and foliation generally striking NW-SE dipping to the SW, reaffirming previous structural measurements taken in the area.

11.0 CONCLUSIONS

11.1 Black Bear Property

11.1.01 Work Performed in 2012

The aim of the 2012 drill program at the Black Bear property was to test for shallow extensions for the high grade Ag-Pb-Au vein mineralization found at the selvages of extensive quartz veining exposed in outcrop and by trenching at surface. These Quartz veins containing Ag-Pb-Au bearing galena mineralization occur extensively over a 2.0 km trend northwestward from the Providence adit. Many new mineralized quartz occurrences were discovered by prospecting in 2008.

BB-2012-09 intersected alternating horizons of black carbonaceous and grey fissile shale. Input from local volcanism could be seen as pyroclastic clasts, tuffaceous sediments, or tephra. This geology supports the interpretation of an extensional basin with volcanic input; a favourable location for hydrothermal activity and related mineralization processes. The alteration mineral assemblage found in BB-2012-09 consists of muscovite, carbonate, quartz, calcite, fuschite (green chrome-bearing mica), pyrite, sphalerite, and pyrrhotite. No significant amount of mineralization was intercepted.

Rock samples highly anomalous in gold and placer gold have been sporadically discovered in Black Bear Creek. Though silver has been the focus of exploration in the past, gold should also be explored for on the Black Bear property. The Spanish Mountain gold deposit is approximately 5.0 km SW of Black Bear.

Although economic gold has not yet been found in the 2012 drilling at the Providence target, the results thus far indicate the drilling is within a large hydrothermal system with a favourable alteration assemblage to warrant further exploration endeavours.

11.2 Frank Creek Property

FC-2013-09 did not mimic the gold results as expected from its twin hole FC-2011-03. This can perhaps be attributed to small-scale variability in the geology and structure experienced at depth or errors in the sampling, cutting, and/or analytical procedures. Sample 04559, the highest gold-bearing sample from FC-2011-03, is a 15cm white quartz vein with up to 50% massive sulphide (pyrite and chalcopyrite). The same quartz vein is thought to have been intercepted and subsequently sampled in FC-2013-09 as Sample 17774, a 40cm white quartz vein, which did not contain any massive sulphide. It can be interpreted that the gold is found in association discontinuous sulphide mineralization. To further substantiate this interpretation, elevated gold values in FC-2013-09 and FC-2011-03 are closely associated with the presence of arsenic and sulphide mineralization. The highest gold value in FC-2013-09, 508ppb, is associated with a massive sulphide lens and immediately flanked by anomalous arsenic concentrations (202-5210ppm). Although FC-2013-09 did not yield the concentrations of gold as expected, the deeper hole intersected two lenses of massive sulphides, totalling 1.24m, thought to be the extension of the Discovery showing constrained between greywacke (interpreted felsic volcanic).

Drill holes FC-2013-10, 11, and 12 were conducted to test a low-resistivity anomaly, interpreted as a conductor, from the Quantec Survey. The holes were drilled to test for the presence or indication of mineralization as massive sulphides (conductors) at depth, to test for the source of the placer gold found in Frank Creek below, and to further develop the structural understanding of the area. No significant mineralization was observed in the core. First-pass XRF analysis was giving elevated gold values for the green sericite-altered unit in FC-2013-10, 11, and 12; it was decided that FC-2013-10 was to be sent for lab analysis to follow up on these XRF gold readings. Lab results returned with insignificant gold values and the XRF was deemed to be displaying false readings due to a matrix effect or overlapping peaks from elements with similar wavelengths. From the lab results, the sericite-altered green unit is elevated in arsenic compared to the intercalating black argillite. Arsenic is well-known to interfere by overlapping gold peaks to give false readings and this is likely to be the source of the false gold readings given for FC-2013-10 and 12.

Drill hole FC-2013-14 was to test a chargeability high at greater than 100m depth. The hole did not reach target depth and subsequently did not test this geophysical anomaly. However, the hole intersected small lenses of massive and semi-massive sulphides; a 24cm rotted lens of massive sulphide rich in cr-mica and three semi-massive sulphide lenses in the upper 17m of the hole (55cm, 34cm, and 22cm in length respectively). A small 3cm band of massive chalcopyrite was intercepted at 65.23m shortly before the termination of the hole. The hole was sampled and shipped to *Activation Laboratories Ltd.* of Kamloops, BC but analytical results were not available before the deadline of submittal of this assessment report.

19 test-pits were excavated to expose bedrock in hopes of revealing the extension of the mineralized horizon found in trench FC08-TR1. The majority of test-pits did not expose bedrock as in most cases the overburden was deeper than the boom of the excavator. Of the geology that was exposed, it was mostly a blue quartz-muscovite schist unit, locally oxidized due to disseminated coarse grained pyrite cubes.

13.0 Recommendations

Structural measurements should be mapped in detail to project mineralized horizons outcropping on surface. Follow up should include test-pits and drill holes. Fences of holes should be drilled in the area of FC-2013-09 to /FC-2011-03 to further constrain the massive sulphide horizons and determine whether significant gold is present. Further mapping of mineralization and projections of mineralization is necessary to further constrain the extensive array of geochemical and geophysical targets outlined in previous work on the Frank Creek property.

Bedding/structural measurements should be mapped in detail to project mineralized horizons outcropping on surface. Follow up test-pits, drill holes, etc.

References

(*Geology of the Central Quesnel Belt; Map 1 Bulletin 97 Geological Survey Branch; also see: Geology of the Eureka Peak and Spanish Lake Map Areas, British Columbia; Bloodgood M.A, 1990.*)

'2009 Proposed Drilling, Trenching, and Access Trails'', internal company memo, April 22, 2009'.

Assessment Report 19415 by Matherly, M (Placer Dome Soils Grids)

Appendices
to
Barker Minerals Ltd.
Assessment Report
December, 2013

Appendix 1

Barker Minerals Ltd. - Mineral Claims

Barker Minerals - Claim Information - December 15, 2013

Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
368325	HEART	140410 (100%)	Mineral	Claim	093A054	1999/mar/28	2016/aug/08	GOOD	225.0
368326	SOUL	140410 (100%)	Mineral	Claim	093A054	1999/mar/30	2016/aug/08	GOOD	25.0
368327	HOBSON 1	140410 (100%)	Mineral	Claim	093A064	1999/mar/28	2016/aug/08	GOOD	25.0
368328	HOBSON 2	140410 (100%)	Mineral	Claim	093A064	1999/mar/28	2016/aug/08	GOOD	25.0
368329	HOBSON 3	140410 (100%)	Mineral	Claim	093A064	1999/mar/28	2016/aug/08	GOOD	25.0
503009		140410 (100%)	Mineral	Claim	093A	2005/jan/13	2014/sep/17	GOOD	685.626
503012		140410 (100%)	Mineral	Claim	093A	2005/jan/13	2014/sep/17	GOOD	627.162
503824	PG9-2	140410 (100%)	Mineral	Claim	093A	2005/jan/15	2014/sep/17	GOOD	58.789
504233		140410 (100%)	Mineral	Claim	093A	2005/jan/18	2014/sep/17	GOOD	587.627
504234		140410 (100%)	Mineral	Claim	093A	2005/jan/18	2014/sep/17	GOOD	587.886
504409		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2014/sep/17	GOOD	469.653
504410		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2014/sep/17	GOOD	410.748
504412		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2014/sep/17	GOOD	78.238
504413		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2014/sep/17	GOOD	626.051
504414		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2014/sep/17	GOOD	684.05
504415		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2014/sep/17	GOOD	449.537
504416		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2014/sep/17	GOOD	508.36
504418		140410 (100%)	Mineral	Claim	093A	2005/jan/20	2014/sep/17	GOOD	469.261
504419		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	824.233
504421		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	706.445
504422		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	490.616
504424		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	822.055
504425		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	665.615
504426		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	39.15
504427		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	508.734
504428		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	704.562
504429		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	684.353
504430		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	684.675
504431		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	685.864
504432		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	705.025
504433		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	587.205
504434		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	801.706
504435		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	625.334
504436		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	585.945
504437		140410 (100%)	Mineral	Claim	093A	2005/jan/21	2014/sep/17	GOOD	683.739
504438		140410 (100%)	Mineral	Claim	093B	2005/jan/21	2014/sep/17	GOOD	683.556
504439		140410 (100%)	Mineral	Claim	093B	2005/jan/21	2014/sep/17	GOOD	702.38
505771		140410 (100%)	Mineral	Claim	093A	2005/feb/03	2014/sep/17	GOOD	586.275
509589	grav01	140410 (100%)	Mineral	Claim	093B	2005/mar/24	2014/sep/17	GOOD	488.021
509590		140410 (100%)	Mineral	Claim	093B	2005/mar/24	2014/sep/17	GOOD	429.398
509591		140410 (100%)	Mineral	Claim	093B	2005/mar/24	2014/sep/17	GOOD	566.23
509592		140410 (100%)	Mineral	Claim	093B	2005/mar/24	2014/sep/17	GOOD	214.832
509593	grav02	140410 (100%)	Mineral	Claim	093B	2005/mar/24	2014/sep/17	GOOD	273.274
513452	AUBAR NEW	140410 (100%)	Mineral	Claim	093A	2005/may/27	2014/sep/17	GOOD	371.542
513453	CATH	140410 (100%)	Mineral	Claim	093A	2005/may/27	2014/sep/17	GOOD	488.056
513456	AUBAR NEW 2	140410 (100%)	Mineral	Claim	093A	2005/may/27	2014/sep/17	GOOD	19.551
513458	MADAM 6	140410 (100%)	Mineral	Claim	093A	2005/may/27	2014/sep/17	GOOD	313.278
513459	STEVEN 1	140410 (100%)	Mineral	Claim	093A	2005/may/27	2014/sep/17	GOOD	235.275
514097		140410 (100%)	Mineral	Claim	093B	2005/jun/07	2014/sep/17	GOOD	370.509
514099		140410 (100%)	Mineral	Claim	093B	2005/jun/07	2014/sep/17	GOOD	390.188
514100		140410 (100%)	Mineral	Claim	093B	2005/jun/07	2014/sep/17	GOOD	683.217

Barker Minerals - Claim Information - December 15, 2013

Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
514127		140410 (100%)	Mineral	Claim	093A	2005/jun/08	2014/sep/17	GOOD	1270.779
514129		140410 (100%)	Mineral	Claim	093A	2005/jun/08	2014/sep/17	GOOD	1562.892
514130		140410 (100%)	Mineral	Claim	093A	2005/jun/08	2014/sep/17	GOOD	938.381
514134		140410 (100%)	Mineral	Claim	093A	2005/jun/08	2014/sep/17	GOOD	19.558
514195		140410 (100%)	Mineral	Claim	093B	2005/jun/09	2014/sep/17	GOOD	429.776
514197		140410 (100%)	Mineral	Claim	093B	2005/jun/09	2014/sep/17	GOOD	468.696
514200		140410 (100%)	Mineral	Claim	093B	2005/jun/09	2014/sep/17	GOOD	117.146
514202		140410 (100%)	Mineral	Claim	093B	2005/jun/09	2014/sep/17	GOOD	488.449
514203		140410 (100%)	Mineral	Claim	093B	2005/jun/09	2014/sep/17	GOOD	410.357
514207		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	1370.296
514223		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	684.031
514224		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	489.076
514225		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	332.635
514227		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	1760.174
514228		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	234.812
514229		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	1311.468
514230		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	763.672
514231		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	1391.525
514232		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	470.147
514233		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	274.471
514234		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	1369.705
514235		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	1135.443
514236		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	1429.632
514237		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	391.678
514238		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	1270.41
514239		140410 (100%)	Mineral	Claim	093A	2005/jun/09	2014/sep/17	GOOD	1290.676
514252		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	1411.095
514253		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	1351.325
514254		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	1372.595
514256		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	469.104
514262		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	547.007
514264		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	97.683
514265		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	1521.196
514266		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	1580.452
514268		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	1287.853
514272		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	1767.184
514279		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	19.551
514281		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	371.41
514282		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	1056.385
514284		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	1624.869
514285		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	1038.421
514289		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	1391.867
514293		140410 (100%)	Mineral	Claim	093A	2005/jun/10	2014/sep/17	GOOD	860.004
514304		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1530.564
514305		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1412.171
514307		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	762.233
514319		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1622.873
514320		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	156.44
514322		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	901.541
514324		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1607.581
514325		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1114.305

Barker Minerals - Claim Information - December 15, 2013

Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
514326		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	783.776
514327		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1054.944
514328		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1233.903
514329		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	842.054
514330		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	821.519
514332		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1235.947
514333		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	859.226
514334		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1334.206
514335		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1039.233
514336		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	995.969
514337		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	568.406
514338		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	627.16
514339		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	975.976
514340		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1430.242
514341		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	959.909
514342		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1191.427
514343		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1488.23
514344		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1273.908
514345		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1293.961
514346		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1155.684
514347		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	548.603
514348		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	980.847
514356		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	608.022
514358		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1448.102
514361		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	606.74
514364		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1565.317
514366		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1096.521
514367		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1018.582
514368		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	586.645
514371		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	547.905
514372		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1389.437
514373		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	137.034
514374		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	1115.592
514375		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	607.071
514376		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	176.207
514377		140410 (100%)	Mineral	Claim	093A	2005/jun/11	2014/sep/17	GOOD	137.044
514397		140410 (100%)	Mineral	Claim	093A	2005/jun/12	2014/sep/17	GOOD	273.916
514415		140410 (100%)	Mineral	Claim	093A	2005/jun/13	2014/sep/17	GOOD	117.359
514525		140410 (100%)	Mineral	Claim	093A	2005/jun/15	2014/sep/17	GOOD	470.745
514531		140410 (100%)	Mineral	Claim	093A	2005/jun/15	2014/sep/17	GOOD	704.124
525812	BB EXT 1	140410 (100%)	Mineral	Claim	093A	2006/jan/18	2014/sep/17	GOOD	39.254
525813	BB EXT 2	140410 (100%)	Mineral	Claim	093A	2006/jan/18	2014/sep/17	GOOD	19.625
572892	TASSE 1	140410 (100%)	Mineral	Claim	093A	2008/jan/02	2014/sep/17	GOOD	2631.457
572893	TASSE 2	140410 (100%)	Mineral	Claim	093A	2008/jan/02	2014/sep/17	GOOD	1886.124
592299	SL2	140410 (100%)	Mineral	Claim	093A	2008/oct/01	2014/may/01	GOOD	370.9946
592300	SL1	140410 (100%)	Mineral	Claim	093A	2008/oct/01	2014/may/01	GOOD	488.1619
592302	SL3	140410 (100%)	Mineral	Claim	093A	2008/oct/01	2014/may/01	GOOD	331.9431
593490	K SOUTH	140410 (100%)	Mineral	Claim	093A	2008/oct/27	2014/sep/17	GOOD	19.611
593609	TASSE BR	140410 (100%)	Mineral	Claim	093A	2008/oct/30	2014/sep/17	GOOD	156.9802
601103		140410 (100%)	Mineral	Claim	093A	2009/mar/15	2014/sep/17	GOOD	39.1421
602450	MAG09-1	140410 (100%)	Mineral	Claim	093B	2009/apr/11	2014/sep/17	GOOD	487.8606

Barker Minerals - Claim Information - December 15, 2013

Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
602451	MAG09-2	140410 (100%)	Mineral	Claim	093B	2009/apr/11	2014/sep/17	GOOD	487.9813
602452	MAG09-3	140410 (100%)	Mineral	Claim	093B	2009/apr/11	2014/sep/17	GOOD	488.1482
602453	MAG09-4	140410 (100%)	Mineral	Claim	093B	2009/apr/11	2014/sep/17	GOOD	488.2749
602843	TASSE09-01	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2014/sep/17	GOOD	491.3347
602844	TASSE09-02	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2014/sep/17	GOOD	491.3396
602845	TASSE09-03	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2014/sep/17	GOOD	491.3491
602846	TASSE09-04	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2014/sep/17	GOOD	491.0396
602847	TASSE09-05	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2014/sep/17	GOOD	490.8897
602848	TASSE09-06	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2014/sep/17	GOOD	490.7004
602849	TASSE09-07	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2014/sep/17	GOOD	490.6956
602850	TASSE09-08	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2014/sep/17	GOOD	490.7813
602851	TASSE09-09	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2014/sep/17	GOOD	490.6292
602852	TASSE09-10	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2014/sep/17	GOOD	490.4625
602853	TASSE09-11	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2014/sep/17	GOOD	490.4064
602854	TASSE09-12	140410 (100%)	Mineral	Claim	093A	2009/apr/17	2014/sep/17	GOOD	490.4803
602861	TASSE09-15	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2014/sep/17	GOOD	490.5589
602862	TASSE09-16	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2014/sep/17	GOOD	489.9556
602873	TASSE09-18	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2014/sep/17	GOOD	490.2604
602875	TASSE09-19	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2014/sep/17	GOOD	490.3251
602876	TASSE09-20	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2014/sep/17	GOOD	490.5282
602878	TASSE09-21	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2014/sep/17	GOOD	490.3236
602880	TASSE09-22	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2014/sep/17	GOOD	490.0902
602883	TASSE09-24	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2014/sep/17	GOOD	489.8889
602884	TASSE09-25	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2014/sep/17	GOOD	254.7257
602885	TASSE09-26	140410 (100%)	Mineral	Claim	093A	2009/apr/18	2014/sep/17	GOOD	353.8531
604584	SL 5	140410 (100%)	Mineral	Claim	093A	2009/may/16	2014/may/01	GOOD	487.9846
605732	KANGAROO	140410 (100%)	Mineral	Claim	093A	2009/jun/09	2014/sep/17	GOOD	352.4335
608523	THREE CREEI	140410 (100%)	Mineral	Claim	093A	2009/jul/19	2014/may/01	GOOD	390.3026
628903	LITTLE RIVER	140410 (100%)	Mineral	Claim	093A	2009/sep/05	2014/sep/17	GOOD	214.9163
650343	WELCOME001	140410 (100%)	Mineral	Claim	093A	2009/oct/10	2014/sep/17	GOOD	450.5688
650363	WELCOME002	140410 (100%)	Mineral	Claim	093A	2009/oct/10	2014/sep/17	GOOD	489.5437
650383	WELCOME003	140410 (100%)	Mineral	Claim	093A	2009/oct/10	2014/sep/17	GOOD	489.6416
650384	WELCOME004	140410 (100%)	Mineral	Claim	093A	2009/oct/10	2014/sep/17	GOOD	489.7043
650403	WELCOME005	140410 (100%)	Mineral	Claim	093A	2009/oct/10	2014/sep/17	GOOD	489.4941
650404	WELCOME006	140410 (100%)	Mineral	Claim	093A	2009/oct/10	2014/sep/17	GOOD	234.9284
653343	WELCOME100	140410 (100%)	Mineral	Claim	093A	2009/oct/15	2014/sep/17	GOOD	469.4133
653363	WELCOME101	140410 (100%)	Mineral	Claim	093A	2009/oct/15	2014/sep/17	GOOD	430.4198
653383	WELCOME102	140410 (100%)	Mineral	Claim	093A	2009/oct/15	2014/sep/17	GOOD	469.7012
653404	WELCOME103	140410 (100%)	Mineral	Claim	093A	2009/oct/15	2014/sep/17	GOOD	156.5673
653423	WELCOME104	140410 (100%)	Mineral	Claim	093A	2009/oct/15	2014/sep/17	GOOD	176.1964
653425	WELCOME105	140410 (100%)	Mineral	Claim	093A	2009/oct/15	2014/sep/17	GOOD	430.5355
654403	TASSE09-27	140410 (100%)	Mineral	Claim	093A	2009/oct/18	2014/sep/17	GOOD	19.6319
654523	K 13 W	140410 (100%)	Mineral	Claim	093A	2009/oct/18	2014/sep/17	GOOD	352.1449
656823	PG-W1	140410 (100%)	Mineral	Claim	093A	2009/oct/21	2014/sep/17	GOOD	488.5919
656843	PG-N2	140410 (100%)	Mineral	Claim	093A	2009/oct/21	2014/sep/17	GOOD	351.6495
657264	PORTER 1	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	489.0764
657265	PORTER 2	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	489.068
657266	PORTER 3	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	488.9121
657267	PORTER 4	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	488.9134
657283	PORTER 5	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	488.8708
657284	PORTER 6	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	488.6893

Barker Minerals - Claim Information - December 15, 2013

Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
657285	PORTER 7	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	488.7284
657286	PORTER 8	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	488.6039
657287	PORTER 9	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	488.526
657288	PORTER 10	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	488.4047
657289	PORTER 11	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	488.3627
657290	PORTER 12	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	488.268
657303	PORTER 13	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	488.2025
657304	PORTER 14	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	488.0522
657305	PORTER 15	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	488.0399
657306	PORTER 16	140410 (100%)	Mineral	Claim	093A	2009/oct/22	2014/sep/17	GOOD	19.5184
662949		140410 (100%)	Mineral	Claim	093A	2009/oct/31	2014/sep/17	GOOD	19.5955
672143	K 14	140410 (100%)	Mineral	Claim	093A	2009/nov/20	2014/sep/17	GOOD	19.5661
672163	K 15	140410 (100%)	Mineral	Claim	093A	2009/nov/20	2014/sep/17	GOOD	19.5606
672568	K 16	140410 (100%)	Mineral	Claim	093A	2009/nov/21	2014/sep/17	GOOD	156.5257
676065	K17	140410 (100%)	Mineral	Claim	093A	2009/nov/29	2014/sep/17	GOOD	215.1244
676563	KC1	140410 (100%)	Mineral	Claim	093A	2009/nov/30	2014/sep/17	GOOD	449.0964
676564	KC2	140410 (100%)	Mineral	Claim	093A	2009/nov/30	2014/sep/17	GOOD	488.1729
676565	KC3	140410 (100%)	Mineral	Claim	093A	2009/nov/30	2014/sep/17	GOOD	488.1831
676583	KC4	140410 (100%)	Mineral	Claim	093A	2009/nov/30	2014/sep/17	GOOD	487.9531
676603	KC5	140410 (100%)	Mineral	Claim	093A	2009/nov/30	2014/sep/17	GOOD	487.9672
676623	KC6	140410 (100%)	Mineral	Claim	093A	2009/nov/30	2014/sep/17	GOOD	487.8147
676643	KC7	140410 (100%)	Mineral	Claim	093A	2009/nov/30	2014/sep/17	GOOD	370.8923
677203	KC8	140410 (100%)	Mineral	Claim	093A	2009/dec/01	2014/sep/17	GOOD	78.1476
687745	P17	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2014/sep/17	GOOD	488.3731
687746	P18	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2014/sep/17	GOOD	488.3767
687747	P19	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2014/sep/17	GOOD	390.5765
687751	P20	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2014/sep/17	GOOD	410.7649
687752	P21	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2014/sep/17	GOOD	97.7208
687763	P22	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2014/sep/17	GOOD	19.5513
687764	P23	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2014/sep/17	GOOD	19.5531
687766	P24	140410 (100%)	Mineral	Claim	093A	2009/dec/20	2014/sep/17	GOOD	39.1079
690184	P25	140410 (100%)	Mineral	Claim	093A	2009/dec/27	2014/sep/17	GOOD	449.6321
704303	WASKO001	140410 (100%)	Mineral	Claim	093A	2010/jan/22	2014/sep/17	GOOD	255.4905
704304	WASKO002	140410 (100%)	Mineral	Claim	093A	2010/jan/22	2014/sep/17	GOOD	19.661
704305	WASKO003	140410 (100%)	Mineral	Claim	093A	2010/jan/22	2014/sep/17	GOOD	314.7065
704811	K18	140410 (100%)	Mineral	Claim	093A	2010/jan/26	2014/sep/17	GOOD	488.3383
709062	PGE001	140410 (100%)	Mineral	Claim	093A	2010/feb/27	2014/sep/17	GOOD	214.8939
831565	PG-W2	140410 (100%)	Mineral	Claim	093A	2010/aug/16	2014/sep/17	GOOD	156.3419
831566	PORTER 17	140410 (100%)	Mineral	Claim	093A	2010/aug/16	2014/sep/17	GOOD	488.6118
831845	TASSE09-28	140410 (100%)	Mineral	Claim	093A	2010/aug/19	2014/sep/17	GOOD	58.9089
831851	WASK0004	140410 (100%)	Mineral	Claim	093A	2010/aug/19	2014/sep/17	GOOD	275.1737
831852	WASK0005	140410 (100%)	Mineral	Claim	093A	2010/aug/19	2014/sep/17	GOOD	39.3166
831853	WASK0006	140410 (100%)	Mineral	Claim	093A	2010/aug/19	2014/sep/17	GOOD	58.9941
832157	PORT	140410 (100%)	Mineral	Claim	093A	2010/aug/26	2014/sep/17	GOOD	488.3684
832763	K18	140410 (100%)	Mineral	Claim	093A	2010/sep/04	2014/sep/17	GOOD	488.0005
832764	K19	140410 (100%)	Mineral	Claim	093A	2010/sep/04	2014/sep/17	GOOD	78.1005
838958	CUSH03	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2014/aug/01	GOOD	460.8633
838959	CUSH04	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2014/aug/01	GOOD	422.4622
838960	CUSH05	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2014/aug/01	GOOD	288.1868
838961	CUSH06	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2014/aug/01	GOOD	461.1044
838964	CUSH09	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2014/aug/01	GOOD	480.3074

Barker Minerals - Claim Information - December 15, 2013

Tenure Number	Claim Name	Owner	Tenure Type	Tenure Sub Type	Map Number	Issue Date	Good To Date	Status	Area (ha)
838965	CUSH10	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2014/aug/01	GOOD	403.54
838967	CUSH12	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2014/aug/01	GOOD	153.7817
838968	CUSH13	140410 (100%)	Mineral	Claim	093H	2010/nov/25	2014/aug/01	GOOD	403.6317
842336		140410 (100%)	Mineral	Claim	093A	2011/jan/04	2014/sep/17	GOOD	292.9858
847062		140410 (100%)	Mineral	Claim	093A	2011/feb/20	2014/sep/17	GOOD	234.9544
847427		140410 (100%)	Mineral	Claim	093A	2011/feb/25	2015/jan/15	GOOD	158.1066
847435		140410 (100%)	Mineral	Claim	093A	2011/feb/25	2015/jan/15	GOOD	474.2369
847437		140410 (100%)	Mineral	Claim	093A	2011/feb/25	2015/jan/15	GOOD	494.0316
847438		140410 (100%)	Mineral	Claim	093A	2011/feb/25	2015/jan/15	GOOD	237.1665
847439		140410 (100%)	Mineral	Claim	093A	2011/feb/25	2015/jan/15	GOOD	237.142
851879		140410 (100%)	Mineral	Claim	093A	2011/apr/16	2014/sep/17	GOOD	19.53
878969		140410 (100%)	Mineral	Claim	093A	2011/aug/02	2014/sep/17	GOOD	156.7311
933389		140410 (100%)	Mineral	Claim	093H	2011/nov/26	2014/aug/01	GOOD	480.2045
933489		140410 (100%)	Mineral	Claim	093H	2011/nov/26	2014/aug/01	GOOD	461.2852
933529		140410 (100%)	Mineral	Claim	093H	2011/nov/26	2014/aug/01	GOOD	461.3733
933589		140410 (100%)	Mineral	Claim	093H	2011/nov/26	2014/aug/01	GOOD	460.906
933629		140410 (100%)	Mineral	Claim	093H	2011/nov/26	2014/aug/01	GOOD	460.9485
1011952	SPC	140410 (100%)	Mineral	Claim	093A	2012/aug/11	2016/aug/08	GOOD	392.8613
1012408		140410 (100%)	Mineral	Claim	093A	2012/aug/30	2014/sep/17	GOOD	312.6767
1012409		140410 (100%)	Mineral	Claim	093A	2012/aug/30	2014/sep/17	GOOD	19.5497
1012410		140410 (100%)	Mineral	Claim	093A	2012/aug/30	2014/sep/17	GOOD	195.4877
1013242		140410 (100%)	Mineral	Claim	093A	2012/sep/26	2014/sep/17	GOOD	373.5028
1014452		140410 (100%)	Mineral	Claim	093A	2012/nov/12	2014/sep/17	GOOD	470.0027
1019253		140410 (100%)	Mineral	Claim	093A	2013/may/04	2014/may/04	GOOD	214.773
1020862		140410 (100%)	Mineral	Claim	093A	2013/jul/06	2014/jul/06	GOOD	19.7632

Appendix 2

Black Bear - Analytical Data for DDH BB-2012-07

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

CLIENT NAME: BARKER MINERALS LTD.
8384 TOOMBS DR.
PRINCE GEORGE, BC V2K5A3
(250) 563-8752

ATTENTION TO: LOUIS DOYLE

PROJECT NO:

AGAT WORK ORDER: 12V632081

SOLID ANALYSIS REVIEWED BY: Ron Cardinall, Certified Assayer - Director - Technical Services (Mining)

DATE REPORTED: Sep 27, 2012

PAGES (INCLUDING COVER): 109

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	0.05
10155	0.29	0.67	2.8	<0.01	<5	41	0.22	0.37	0.08	1.71	35.0	7.8	28.1	0.38
10156	0.09	1.32	0.5	<0.01	<5	35	0.28	0.21	0.19	0.86	24.5	15.8	33.7	0.38
10157	0.11	1.39	0.4	<0.01	<5	48	0.28	0.23	0.55	0.70	28.2	14.7	29.1	0.45
10158	0.12	1.36	0.6	<0.01	<5	44	0.26	0.26	0.22	0.66	34.1	12.2	38.1	0.44
10159	0.22	0.80	1.1	<0.01	<5	49	0.26	0.37	0.39	2.81	21.8	14.1	23.2	0.47
10160	0.21	0.36	0.7	<0.01	<5	51	0.17	0.23	5.15	3.36	11.1	27.6	25.3	0.38
10161	0.14	0.65	0.6	<0.01	<5	46	0.21	0.18	2.42	1.95	15.9	14.9	19.6	0.37
10162	0.09	1.22	0.4	<0.01	<5	37	0.19	0.20	1.01	0.67	28.1	14.4	34.4	0.38
10163	0.09	0.71	0.9	<0.01	<5	46	0.20	0.30	2.22	0.90	22.6	11.9	18.1	0.48
10164	0.08	0.94	24.3	<0.01	<5	39	0.22	0.19	1.58	0.42	24.3	12.7	34.6	0.57
10165	0.11	0.60	10.8	<0.01	<5	41	0.20	0.18	0.79	0.41	31.4	13.8	15.2	0.68
10166	0.05	0.27	5.2	<0.01	12	37	0.12	0.10	0.50	0.25	16.7	5.3	53.8	0.15
10167	0.04	0.21	1.8	<0.01	<5	39	0.16	0.08	4.90	0.97	18.3	8.4	10.7	0.17
10168	0.04	0.24	3.1	<0.01	<5	45	0.12	0.09	0.24	0.07	20.8	11.5	20.1	0.20
10169	9.96	0.51	12.0	0.03	5	64	0.29	30.4	1.96	1.05	13.4	11.2	15.4	0.18
10170	>100	0.18	9.5	0.70	<5	6	<0.05	2290	2.05	33.9	4.74	1.6	53.1	<0.05
10171	1.86	0.54	14.7	<0.01	<5	47	0.26	13.2	2.31	35.8	8.17	17.8	8.5	0.17
10172	11.1	0.09	4.9	0.03	<5	13	0.10	34.7	19.0	3.10	9.47	4.7	9.3	0.07
10173	0.63	0.59	15.0	<0.01	<5	29	0.24	1.83	2.74	2.10	7.24	11.9	7.8	0.17
10174	8.65	0.48	19.9	<0.01	<5	28	0.23	26.7	1.35	5.99	10.3	11.2	16.2	0.19
10175	0.29	0.57	15.4	<0.01	<5	53	0.29	0.81	0.36	3.77	18.2	15.6	11.0	0.20
07001	0.25	0.48	7.9	<0.01	15	25	0.27	0.64	0.18	2.90	12.9	14.1	23.7	0.11
07002	0.13	0.43	2.9	<0.01	<5	59	0.32	0.63	0.41	2.89	31.2	15.8	11.9	0.32
07003	0.11	0.32	3.4	<0.01	<5	59	0.17	0.61	0.85	1.25	19.7	12.4	19.9	0.32
07004	0.05	1.21	0.3	<0.01	<5	41	0.27	0.17	0.70	0.39	31.5	13.5	18.9	0.48
07005	0.07	0.79	0.5	<0.01	<5	51	0.25	0.33	2.12	0.95	24.6	12.3	13.9	0.45
07006	0.08	0.42	0.5	<0.01	<5	51	0.23	0.42	1.65	0.50	21.7	13.8	18.0	0.40
07007	0.04	0.46	0.7	<0.01	<5	51	0.23	0.27	1.50	0.86	27.4	13.5	11.5	0.47
07008	0.24	0.36	3.1	<0.01	<5	45	0.20	0.67	0.65	0.11	26.5	12.6	14.9	0.59
07009	0.51	0.53	18.9	<0.01	<5	44	0.23	1.54	3.90	1.37	7.50	14.0	12.8	0.43
07010	3.81	0.41	16.4	<0.01	<5	80	0.26	10.2	3.88	1.03	11.7	12.7	28.5	0.72
07011	0.16	0.34	7.9	<0.01	<5	58	0.33	0.44	1.04	0.23	22.4	10.6	17.4	2.43

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 12V632081

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	0.05
07012	0.11	0.44	5.9	0.04	<5	105	0.26	0.18	1.10	0.18	22.6	12.5	17.9	0.51
07013	0.08	0.35	5.7	<0.01	242	92	0.21	0.12	1.25	0.34	18.7	11.0	18.2	0.36
07014	1.36	0.54	18.9	<0.01	<5	14	0.17	3.95	3.03	1.77	4.43	10.2	11.5	0.14
07015	4.06	0.49	17.2	<0.01	<5	4	0.13	11.4	1.25	88.0	3.50	6.7	8.2	0.06
07016	8.53	0.65	34.5	<0.01	<5	12	0.18	26.0	4.53	40.4	4.38	12.6	9.9	0.15
07017	1.16	0.22	32.0	<0.01	14	14	0.10	3.06	2.39	2.81	10.8	8.5	10.6	0.16
07018	0.05	0.24	1.6	<0.01	<5	4	0.09	0.20	0.63	0.20	0.37	0.8	17.0	0.13
07019	1.09	0.18	93.7	0.01	<5	4	0.09	5.49	4.49	0.61	0.55	9.9	10.1	0.11
07020	0.74	0.36	50.0	<0.01	<5	12	0.11	2.12	3.42	1.74	5.04	8.4	11.5	0.17
07021	0.43	0.41	27.4	<0.01	<5	15	0.17	1.16	9.79	1.75	5.28	10.2	7.0	0.12
07022	0.03	0.09	0.2	<0.01	70	16	0.11	0.11	22.6	1.08	10.0	3.3	3.9	0.09
07023	0.03	0.23	0.7	<0.01	<5	35	0.15	0.07	10.2	0.53	9.90	8.2	11.7	0.22
07024	0.03	0.31	0.7	<0.01	<5	48	0.20	0.05	3.77	0.33	19.6	10.1	10.7	0.27
07025	0.02	0.16	1.8	<0.01	<5	29	0.14	0.05	18.9	1.09	8.98	5.5	4.9	0.16
07026	0.07	0.28	5.9	<0.01	<5	50	0.22	0.24	5.46	0.48	11.3	10.5	6.9	0.54
07027	0.05	0.43	2.0	<0.01	<5	75	0.28	0.09	1.41	0.16	19.0	12.5	8.4	0.46
07028	0.04	0.47	2.0	<0.01	<5	66	0.31	0.14	0.67	0.11	19.9	12.7	19.1	0.86
07029	0.05	0.51	5.2	<0.01	<5	50	0.27	0.19	0.82	0.23	18.3	15.0	23.3	1.02
07030	0.48	0.23	15.0	<0.01	6	22	0.13	1.47	1.97	0.64	8.75	13.2	20.9	0.41
07031	0.30	0.42	13.3	<0.01	<5	29	0.25	0.76	1.63	2.11	10.8	12.3	25.5	0.28
07032	0.06	0.34	0.4	<0.01	<5	48	0.27	0.22	0.62	0.10	28.7	12.5	14.9	0.45
07033	0.07	0.33	0.2	<0.01	<5	50	0.24	0.26	1.72	0.19	20.3	12.1	21.2	0.44
07034	0.09	0.30	0.2	<0.01	<5	46	0.19	0.21	1.61	0.40	21.2	10.7	31.7	0.64
07035	0.20	0.36	0.8	<0.01	<5	54	0.25	0.51	2.72	8.24	18.1	12.9	29.3	0.66
07036	0.19	0.36	1.1	<0.01	52	63	0.25	0.44	3.08	2.50	11.6	10.1	19.2	0.82
07037	0.32	0.44	1.2	<0.01	<5	68	0.23	0.40	3.67	6.62	10.8	8.5	31.6	0.67
07038	0.16	0.40	1.6	<0.01	<5	52	0.24	0.25	2.91	1.97	16.0	11.3	23.3	1.08
07039	0.13	0.29	6.5	<0.01	<5	50	0.19	0.33	2.74	8.89	14.7	7.2	41.9	0.49
07040	0.11	0.34	27.1	<0.01	<5	53	0.21	0.26	4.74	3.71	10.8	10.3	30.6	0.50
07041	0.05	0.34	10.0	<0.01	<5	46	0.24	0.09	0.64	0.44	30.3	13.5	22.3	0.95
07042	0.05	0.30	6.0	<0.01	<5	51	0.17	0.15	1.54	0.71	21.0	12.5	25.0	0.50
07043	0.05	0.26	10.9	<0.01	<5	54	0.16	0.16	1.54	0.44	18.5	10.7	18.7	0.55

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Certificate of Analysis

AGAT WORK ORDER: 12V632081

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	0.05
07044	0.05	0.27	21.3	<0.01	<5	56	0.17	0.14	3.26	0.44	12.1	7.8	25.3	0.55
07045	0.95	0.33	43.9	<0.01	<5	74	0.22	2.85	3.23	1.07	16.0	10.1	28.6	0.98
07046	15.1	0.31	56.1	<0.01	<5	71	0.20	48.9	2.67	1.82	14.8	9.6	24.1	0.82
07047	0.58	0.44	41.4	<0.01	<5	85	0.25	0.37	3.78	4.34	11.7	7.3	29.3	0.46
07048	0.38	0.25	25.1	<0.01	<5	55	0.25	0.23	5.49	5.61	9.45	9.4	36.5	0.49
07049	0.28	0.31	10.5	<0.01	<5	42	0.25	0.20	4.21	2.19	12.9	11.5	22.8	0.86
07050	0.25	0.50	2.8	<0.01	<5	36	0.24	0.27	1.96	0.73	14.9	12.4	32.6	0.92
07051	0.18	0.41	0.9	<0.01	<5	53	0.31	0.20	1.80	0.40	23.2	11.2	57.3	0.71
07052	0.21	0.50	1.9	<0.01	<5	48	0.29	0.36	2.60	4.50	22.2	10.8	26.2	0.82
07053	0.18	1.15	0.9	<0.01	<5	47	0.26	0.24	1.77	0.70	28.0	11.7	31.0	0.69
07054	0.44	1.12	1.8	<0.01	<5	47	0.23	0.42	1.02	2.23	16.2	15.3	42.1	0.68
07055	0.30	0.52	0.7	<0.01	<5	53	0.26	0.31	3.88	10.2	16.2	11.4	18.1	0.98
07056	0.18	0.46	1.5	<0.01	<5	71	0.30	0.22	3.03	1.03	21.7	9.9	13.8	1.39
07057	0.11	0.38	0.7	<0.01	<5	64	0.21	0.19	1.93	0.20	15.5	9.7	21.6	0.71
07058	0.10	0.39	1.0	<0.01	<5	83	0.26	0.21	0.90	0.12	14.6	14.0	10.2	0.48
07059	0.14	0.22	8.7	0.01	<5	62	0.18	0.28	1.96	0.31	12.0	12.3	14.7	0.23
07060	0.20	0.41	30.8	0.06	<5	100	0.32	0.39	2.27	0.37	14.3	13.6	23.7	0.34
07061	0.10	0.34	7.3	<0.01	<5	75	0.26	0.20	2.57	0.26	14.8	15.1	12.4	0.40
07062	0.03	1.03	1.1	<0.01	<5	45	0.32	0.16	0.72	0.08	32.6	14.9	24.8	0.63
07063	0.04	0.46	0.8	<0.01	<5	42	0.34	0.17	1.16	0.10	45.2	13.8	24.9	0.77
07064	0.07	0.37	2.9	<0.01	<5	35	0.29	0.26	3.83	0.25	24.0	15.5	18.7	1.04
07065	0.10	0.53	1.0	<0.01	<5	46	0.36	0.31	5.27	0.28	22.8	14.6	21.2	1.08
07066	0.09	0.60	0.7	<0.01	<5	51	0.36	0.24	7.49	0.41	17.5	12.7	18.4	0.85
07067	0.05	0.51	0.4	<0.01	<5	46	0.29	0.15	7.36	0.22	19.8	9.9	16.8	0.61
07068	0.06	0.43	0.6	<0.01	<5	49	0.22	0.24	8.52	0.26	14.7	9.1	18.6	0.63
07069	0.05	0.40	0.2	<0.01	<5	37	0.25	0.15	8.90	0.24	25.2	8.6	11.8	0.81
07070	0.07	0.47	0.3	<0.01	<5	47	0.27	0.22	7.20	0.31	30.6	9.7	18.6	0.85
07071	0.05	0.59	0.1	<0.01	<5	36	0.23	0.11	11.3	0.43	23.8	7.0	23.6	0.62
07072	0.20	0.63	6.4	<0.01	<5	53	0.33	0.28	8.95	0.21	22.9	9.5	19.5	2.37
07073	0.08	0.85	0.7	<0.01	<5	42	0.28	0.32	8.61	0.29	22.3	10.7	23.2	0.89
07074	0.07	1.01	0.8	<0.01	<5	39	0.28	0.30	8.32	0.32	19.9	9.6	28.1	0.80
07075	0.09	0.74	0.5	<0.01	<5	46	0.26	0.27	8.57	0.23	26.4	8.3	24.6	0.94

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Certificate of Analysis

AGAT WORK ORDER: 12V632081

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	0.05
07076	0.08	0.79	0.8	<0.01	<5	43	0.25	0.20	7.76	0.29	30.2	8.8	25.2	0.93
07077	0.07	1.05	0.6	<0.01	<5	44	0.27	0.22	8.39	0.24	25.8	9.9	27.7	0.85
07078	0.08	1.11	0.6	<0.01	<5	39	0.25	0.21	8.04	0.26	29.7	10.3	26.4	0.93
07079	0.06	0.78	0.5	<0.01	<5	41	0.22	0.19	9.57	0.31	23.8	8.9	23.8	0.77
07080	0.06	0.92	1.4	<0.01	<5	40	0.27	0.21	7.77	0.30	27.6	10.3	26.6	0.91
07081	0.05	1.21	0.5	<0.01	<5	36	0.25	0.13	8.27	0.26	33.9	8.5	29.5	0.80
07082	0.09	0.81	4.2	<0.01	<5	37	0.23	0.17	8.60	0.24	28.0	8.0	24.8	0.87
07083	0.06	0.57	15.2	<0.01	<5	45	0.32	0.22	7.16	0.17	27.6	9.4	19.3	1.19
07084	0.06	0.39	91.1	<0.01	<5	37	0.26	0.19	9.26	0.27	9.81	9.2	17.6	1.03
07085	0.06	0.56	39.1	<0.01	<5	43	0.27	0.17	6.93	0.19	24.3	9.7	22.9	1.18
07086	0.08	0.68	6.5	<0.01	<5	48	0.29	0.17	7.15	0.14	32.4	9.5	21.1	0.95
07087	0.05	1.00	1.4	<0.01	<5	45	0.25	0.14	7.14	0.18	30.4	9.8	23.8	0.82
07088	0.07	0.54	1.4	<0.01	<5	53	0.31	0.20	6.21	0.16	29.2	11.1	13.8	0.75
07089	0.06	0.42	0.7	<0.01	<5	43	0.24	0.14	8.54	0.31	25.7	9.2	15.9	0.51
07090	0.08	0.38	0.7	<0.01	<5	44	0.23	0.19	8.18	0.42	16.1	8.7	10.3	0.40
07091	0.08	0.46	0.5	<0.01	<5	64	0.26	0.26	8.85	0.47	9.86	10.1	14.1	0.47
07092	0.07	0.46	0.9	<0.01	<5	71	0.27	0.30	7.00	0.41	11.2	14.7	26.7	0.40
07093	0.12	0.69	1.6	<0.01	<5	56	0.19	0.32	3.95	0.35	7.02	19.0	113	0.35
07094	0.84	0.42	59.3	<0.01	<5	57	0.21	2.05	7.62	3.13	3.83	31.7	84.5	0.86
07095	0.10	1.23	4.1	<0.01	<5	41	0.13	0.06	8.47	0.34	3.63	41.1	285	0.26
07096	0.05	2.17	0.9	<0.01	<5	12	0.12	0.06	6.32	0.21	1.54	46.7	521	0.23
07097	0.04	0.60	26.8	<0.01	<5	78	0.25	0.11	7.51	0.57	22.9	9.0	23.7	0.52
07098	0.08	0.77	10.7	<0.01	<5	72	0.20	0.17	6.09	1.53	10.5	20.6	115	0.35
07099	0.06	0.61	0.6	<0.01	<5	99	0.28	0.21	6.21	0.45	17.2	10.7	22.7	0.38
07100	0.06	3.11	0.5	<0.01	<5	24	0.23	0.17	3.23	0.18	3.03	33.6	734	0.17
07101	0.06	3.26	7.4	<0.01	<5	5	0.23	0.14	3.65	0.13	0.68	44.9	750	0.31
07102	0.69	1.45	2.8	<0.01	<5	97	0.46	1.72	7.53	1.45	2.18	27.6	364	6.88
07103	0.07	1.62	1.4	<0.01	<5	43	0.27	0.03	2.68	0.10	0.76	49.2	472	1.98
07104	0.35	1.97	8.4	<0.01	<5	116	0.52	1.21	6.20	0.81	2.07	56.9	444	7.09
07105	0.10	1.60	5.0	<0.01	<5	22	0.10	0.24	4.40	0.10	0.78	53.2	457	0.62
07106	0.07	2.46	8.7	<0.01	<5	14	0.07	0.15	5.63	0.10	0.82	62.8	513	0.60
07107	0.06	2.31	6.2	<0.01	<5	8	0.08	0.03	5.48	0.10	1.30	54.0	503	0.15

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	0.05
07108	0.05	2.05	5.0	0.01	<5	4	0.08	0.01	11.7	0.09	1.88	32.3	366	0.13
07109	0.04	2.51	2.5	<0.01	<5	3	0.11	<0.01	12.9	0.09	1.62	30.8	424	0.11
07110	0.03	3.19	0.6	<0.01	<5	2	0.15	0.01	9.38	0.13	1.29	46.5	573	0.11
07111	0.04	3.39	0.4	<0.01	<5	2	0.15	0.02	6.59	0.13	1.52	45.6	613	0.12
07112	0.05	2.86	0.3	<0.01	<5	2	0.12	0.02	7.89	0.17	1.65	36.5	647	0.11
07113	0.04	3.26	4.2	<0.01	<5	5	0.14	0.02	6.30	0.17	2.31	37.1	634	0.23
07114	0.04	2.74	24.2	<0.01	<5	6	0.10	0.02	6.81	0.23	2.05	44.6	556	0.15
07115	0.05	0.36	0.3	<0.01	<5	72	0.16	0.17	7.16	0.44	16.3	10.4	31.3	0.74
07116	1.09	0.23	88.7	<0.01	<5	69	0.17	3.48	7.48	0.54	5.76	8.5	36.8	0.21
07117	0.13	0.34	0.4	<0.01	<5	61	0.23	0.20	6.51	0.41	36.9	9.1	15.2	0.41
07118	0.07	1.07	0.1	<0.01	<5	51	0.22	0.21	7.06	0.41	17.2	9.2	20.5	0.39
07119	0.07	1.38	0.6	<0.01	<5	33	0.18	0.14	7.60	0.35	16.1	7.8	26.1	0.32
07120	0.11	0.93	0.5	<0.01	<5	43	0.22	0.27	8.09	0.60	12.6	8.3	19.5	0.43
07121	0.10	0.94	0.3	<0.01	<5	49	0.22	0.32	8.52	1.90	12.1	9.3	21.4	0.37
07122	0.05	0.44	0.3	<0.01	<5	44	0.16	0.16	7.49	0.61	23.2	6.9	15.5	0.32
07123	0.07	2.40	0.6	<0.01	<5	39	0.10	0.07	8.96	0.20	8.12	32.0	429	0.82
07124	0.05	2.02	1.2	<0.01	<5	29	0.08	0.06	13.1	0.13	1.94	26.6	443	1.55
07125	0.06	3.52	0.2	<0.01	<5	60	0.10	<0.01	5.16	0.06	1.09	49.7	607	5.41
07126	0.07	2.95	<0.1	<0.01	<5	47	0.06	<0.01	6.50	0.11	1.62	38.6	535	3.18
07127	0.09	1.26	2.6	<0.01	<5	43	0.06	0.05	9.42	0.33	2.24	31.5	243	0.22
07128	0.41	1.17	9.2	0.02	<5	53	<0.05	0.02	5.44	4.66	0.86	33.4	91.1	0.20
07129	0.06	0.31	5.1	<0.01	<5	142	0.17	0.48	6.86	0.62	6.34	16.0	30.1	0.42
07130	0.06	0.28	5.2	<0.01	<5	189	0.16	0.27	9.93	0.89	4.45	19.8	9.1	0.22
07131	0.14	0.29	12.7	<0.01	<5	52	0.10	0.05	9.09	0.15	2.06	36.0	3.3	0.25
07132	0.30	0.20	12.9	<0.01	<5	59	0.14	1.09	7.59	0.45	5.57	29.8	14.1	0.13
07133	0.15	0.24	10.5	<0.01	<5	75	0.20	1.41	6.48	0.77	7.09	19.6	16.0	0.22
07134	0.05	1.57	8.2	<0.01	89	30	<0.05	0.05	10.2	0.14	1.27	32.4	115	0.26
07135	0.04	2.01	5.3	<0.01	<5	28	<0.05	0.03	10.0	0.06	1.27	24.1	127	0.18
07136	0.05	2.87	1.2	<0.01	53	24	0.06	0.03	5.15	0.04	1.54	33.9	337	0.19
07137	0.06	1.80	2.4	<0.01	<5	12	<0.05	0.07	10.5	0.04	1.16	18.6	530	0.17
07138	0.03	2.22	1.4	<0.01	<5	13	<0.05	0.03	9.97	0.04	0.97	12.9	208	0.20
07139	0.03	1.73	0.5	<0.01	<5	26	<0.05	<0.01	3.22	0.03	3.14	13.3	279	0.12

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Certificate of Analysis

AGAT WORK ORDER: 12V632081

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	0.05
07140	0.02	1.69	0.5	<0.01	16	21	0.05	<0.01	2.27	0.03	3.77	17.6	474	0.11
07141	0.03	1.45	1.0	<0.01	<5	19	0.06	<0.01	2.68	0.04	4.80	14.8	330	0.12
07142	0.04	0.98	0.5	<0.01	<5	42	<0.05	0.03	2.63	0.03	3.86	12.8	255	0.20
07143	0.05	2.38	0.3	<0.01	<5	60	0.07	<0.01	3.19	0.09	4.24	27.3	171	2.15
07144	0.06	3.08	0.9	<0.01	<5	126	0.14	0.04	4.42	0.09	2.72	32.0	64.4	3.26
07145	0.06	3.39	0.6	<0.01	<5	136	0.13	0.07	4.54	0.08	0.98	35.1	676	3.73
07146	0.03	3.63	0.2	<0.01	<5	87	0.14	0.03	5.84	0.12	1.09	33.9	737	5.12
07147	0.04	3.77	0.2	<0.01	<5	215	0.19	0.03	7.23	0.11	0.92	36.6	710	7.72
07148	0.03	3.70	<0.1	<0.01	<5	209	0.31	0.06	6.06	0.12	1.01	35.4	794	5.85
07149	0.02	3.73	<0.1	<0.01	<5	218	0.26	0.03	5.43	0.11	1.54	42.4	845	7.04
07150	0.02	3.88	0.2	<0.01	<5	530	0.66	0.01	6.15	0.15	1.15	43.1	842	10.5
07151	0.03	3.64	0.7	<0.01	<5	166	1.35	0.08	6.91	0.29	2.02	25.4	892	25.8
07152	0.03	4.03	0.3	<0.01	<5	333	0.65	0.03	4.94	0.12	1.35	41.2	512	15.2
07153	0.05	3.81	0.4	0.01	<5	175	0.28	0.03	4.12	0.07	2.46	35.9	397	6.00
07154	0.04	2.30	1.0	<0.01	<5	52	0.19	<0.01	3.01	0.06	1.90	29.1	94.8	2.69
07155	0.04	2.43	0.5	<0.01	<5	35	0.13	<0.01	2.58	0.05	0.80	30.9	71.1	1.08
07156	0.05	2.94	1.9	<0.01	<5	96	0.18	<0.01	2.24	0.05	1.06	34.9	85.6	2.26
07157	0.02	1.69	0.2	<0.01	<5	49	0.06	<0.01	15.2	0.27	0.85	18.5	160	1.06
07158	0.03	2.03	0.5	<0.01	<5	21	<0.05	<0.01	3.97	0.10	0.50	21.6	442	0.29
07159	0.03	1.58	1.3	<0.01	<5	33	<0.05	<0.01	1.93	0.06	0.37	18.0	285	0.32
07160	0.04	1.79	1.1	<0.01	<5	53	<0.05	<0.01	1.69	0.03	0.37	18.7	257	0.83
07161	0.01	2.36	0.7	<0.01	<5	24	0.05	<0.01	2.65	0.03	0.50	24.8	459	0.57
07162	0.03	2.62	1.4	<0.01	<5	54	0.16	0.01	2.88	0.06	0.60	42.2	90.3	1.38
07163	0.03	3.20	0.8	<0.01	<5	140	0.23	<0.01	1.78	0.03	0.78	31.8	58.7	3.69
07164	0.06	3.15	0.6	0.02	10	87	0.14	0.01	2.57	0.06	0.90	29.4	105	3.22
07165	0.03	3.57	0.5	0.02	<5	144	0.23	<0.01	3.00	0.07	0.56	35.6	281	5.94
07166	0.04	3.28	0.7	0.02	<5	216	0.33	<0.01	2.80	0.05	0.89	31.5	62.4	5.04
07167	0.03	2.53	0.7	0.01	<5	18	0.15	<0.01	2.62	0.06	1.64	30.1	19.9	0.67
07168	0.04	3.52	0.6	0.01	<5	82	0.25	<0.01	2.82	0.08	0.71	34.1	151	3.23
07169	0.01	4.21	0.5	<0.01	<5	56	0.23	<0.01	4.47	0.08	1.16	41.7	410	3.54
07170	0.04	2.86	0.3	0.01	<5	29	0.12	<0.01	3.23	0.07	2.76	34.3	235	2.73
07171	0.09	2.74	0.2	0.04	<5	19	0.10	0.05	3.53	0.06	3.56	33.4	34.8	4.33

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	0.05
07172	0.03	0.77	0.5	<0.01	<5	40	0.07	0.01	2.34	0.04	5.43	20.0	22.3	2.89
07173	0.03	1.68	0.2	<0.01	<5	42	0.08	0.01	3.56	0.06	8.45	30.8	28.8	0.68
07174	0.08	0.86	0.5	0.04	<5	27	0.08	0.01	3.17	0.04	11.6	21.6	15.4	0.39
07175	0.04	0.44	1.6	<0.01	<5	30	0.10	0.01	4.29	0.05	11.4	17.0	8.4	0.77
07176	0.06	1.45	1.5	<0.01	<5	23	0.14	0.02	2.81	0.08	13.8	23.8	10.4	5.32
07177	0.06	2.41	0.7	<0.01	<5	28	0.15	0.01	2.45	0.03	4.75	28.4	120	6.29
07178	0.05	3.33	0.4	<0.01	<5	24	0.14	<0.01	2.43	0.03	1.56	37.4	174	1.57
07179	0.07	2.50	1.2	<0.01	<5	23	0.11	<0.01	2.72	0.04	1.39	25.7	56.1	1.90
07180	0.07	2.86	0.9	<0.01	15	12	0.15	<0.01	2.08	0.04	1.46	28.3	39.0	0.78
07181	0.10	2.88	1.4	0.02	<5	4	0.15	<0.01	1.98	0.03	1.27	25.4	41.7	0.67
07182	0.24	2.61	1.1	0.17	<5	12	0.12	<0.01	3.05	0.07	1.65	28.1	71.3	0.24
07183	0.22	2.70	0.9	<0.01	<5	9	0.09	<0.01	1.96	0.05	1.43	26.2	33.4	0.20
07184	0.46	2.55	2.4	0.02	<5	93	0.08	0.01	2.02	0.11	2.12	27.6	26.9	0.52
07185	0.16	2.34	0.7	0.03	<5	109	0.08	<0.01	2.43	0.12	4.33	18.1	4.3	0.62
07186	0.30	2.67	3.2	0.03	<5	51	0.13	0.02	3.07	0.18	5.01	28.8	17.2	0.28
07187	0.25	3.29	0.6	<0.01	<5	48	0.09	0.01	1.96	0.12	4.26	32.0	16.0	0.20
07188	0.28	1.96	0.8	<0.01	<5	69	0.10	0.01	2.48	0.11	3.85	28.9	10.3	0.20
07189	0.19	2.82	0.4	<0.01	<5	16	0.12	0.03	2.41	0.15	7.15	30.2	136	0.14
07190	0.18	2.45	0.4	<0.01	<5	42	0.09	<0.01	2.89	0.16	9.40	23.9	7.8	0.18
07191	0.08	2.38	0.4	<0.01	<5	31	0.08	<0.01	2.32	0.20	4.13	31.1	10.6	0.22
07192	0.09	2.69	0.7	0.01	<5	76	0.27	0.02	2.00	0.36	1.77	26.9	58.4	1.88
07193	0.05	0.47	0.9	<0.01	<5	41	0.09	0.03	1.31	0.31	2.08	25.6	5.5	0.81
07194	0.05	0.33	8.2	<0.01	<5	55	0.19	0.24	3.54	0.63	2.17	28.5	17.1	1.20
07195	0.07	0.36	3.1	<0.01	<5	57	0.17	0.24	2.72	0.50	2.16	21.0	21.1	1.85
07196	0.11	0.28	44.8	0.01	<5	39	0.10	0.10	5.20	0.50	1.60	24.0	10.9	0.65
07197	0.16	0.28	38.7	<0.01	<5	47	0.07	0.11	5.92	0.56	1.98	17.3	13.0	0.60
07198	0.07	0.32	29.6	<0.01	<5	28	0.14	0.09	7.18	0.38	1.68	21.4	15.4	1.55
07199	0.04	0.29	16.0	<0.01	<5	33	0.14	0.13	7.22	0.38	1.47	20.2	11.5	1.85
07200	0.12	0.29	25.4	<0.01	<5	19	0.11	0.14	6.62	0.24	1.24	27.8	15.2	1.60
07201	0.05	0.39	5.6	<0.01	<5	10	0.11	0.02	4.11	0.05	4.75	19.9	10.8	1.16
07202	0.06	0.30	18.3	<0.01	<5	15	0.08	0.13	6.24	0.11	1.76	32.7	12.7	0.60
07203	0.07	0.31	31.5	<0.01	<5	22	0.07	0.27	5.17	0.25	2.13	25.5	11.3	0.60

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	0.05
07204	0.04	0.40	3.0	<0.01	<5	23	0.09	0.03	4.07	0.12	3.04	24.4	10.1	1.26
07205	0.05	2.02	1.0	<0.01	18	171	0.90	0.09	4.90	0.27	5.59	22.7	19.1	14.1
07206	0.04	1.70	4.9	<0.01	24	174	0.80	0.17	3.80	0.26	6.22	25.0	20.3	12.1
07207	0.07	1.01	1.2	<0.01	<5	92	0.38	0.28	3.57	0.31	3.32	22.2	19.3	7.39
07208	0.06	0.36	14.0	<0.01	<5	24	0.08	0.19	5.02	0.25	2.44	22.4	12.8	0.86
07209	0.04	0.44	3.8	<0.01	<5	26	0.07	0.09	5.35	0.06	1.54	18.4	9.2	1.50
07210	0.04	0.30	4.4	<0.01	<5	21	0.11	0.41	5.64	0.11	2.71	24.8	14.5	1.34
07211	0.05	1.36	3.0	<0.01	<5	85	0.49	0.64	5.85	0.26	4.44	30.1	16.5	6.60
07212	0.06	0.99	3.9	<0.01	<5	85	0.32	0.78	5.60	0.30	3.08	29.1	15.8	4.58
07213	0.05	0.84	2.9	<0.01	<5	77	0.28	0.62	4.57	0.26	2.77	22.8	15.4	3.93
07214	0.19	0.39	4.3	<0.01	<5	67	0.13	0.72	3.78	1.23	2.40	22.9	14.2	1.58
07215	0.07	0.20	3.5	<0.01	<5	55	0.10	0.24	3.29	0.91	2.70	14.6	15.7	0.29
07216	0.04	0.25	11.0	<0.01	<5	113	0.15	0.15	2.18	0.14	2.32	20.5	29.8	0.23
07217	0.07	0.56	8.2	<0.01	<5	95	0.14	0.31	3.24	1.06	2.15	21.8	10.5	1.85
07218	0.12	0.21	5.3	<0.01	<5	75	0.11	0.39	3.84	0.31	2.31	22.0	12.6	0.24
07219	0.05	0.34	11.9	<0.01	<5	81	0.12	0.21	4.41	0.35	1.88	24.2	12.2	0.46
07220	0.04	1.75	2.9	<0.01	<5	173	0.66	0.10	2.91	0.19	1.72	24.4	23.8	11.8
07221	0.12	1.71	1.1	<0.01	<5	23	0.11	0.12	3.66	0.61	1.66	21.0	11.1	1.06
07222	0.12	2.60	2.0	<0.01	<5	10	0.08	0.07	2.05	0.13	2.00	27.2	15.4	0.56
07223	0.05	1.85	7.2	<0.01	<5	17	0.10	0.03	2.40	0.07	2.00	23.1	15.6	1.20
07224	0.07	0.51	1040	0.07	28	15	<0.05	0.11	3.11	0.17	3.23	19.5	16.2	0.81
07225	0.06	1.91	52.1	0.03	82	16	0.10	0.05	2.80	0.10	3.68	25.1	19.9	0.34
07226	0.07	2.41	27.8	0.01	<5	7	0.12	0.01	2.95	0.13	6.20	25.7	19.0	0.37
07227	0.06	2.30	1.7	<0.01	<5	4	0.11	0.01	2.79	0.38	6.92	24.5	20.6	0.24
07228	0.08	1.73	9.8	0.05	<5	17	0.07	0.02	3.36	0.57	5.18	21.4	26.1	0.27
07229	0.07	1.90	7.4	<0.01	<5	15	0.06	0.02	4.72	0.20	4.68	20.0	15.4	0.27
07230	0.07	2.46	1.2	<0.01	5	5	0.06	<0.01	3.54	0.09	7.68	23.4	18.0	0.15
07231	0.07	1.62	2.9	<0.01	<5	15	0.06	0.02	4.10	0.13	5.81	18.8	11.7	0.31
07232	0.07	1.80	0.6	<0.01	<5	27	0.06	0.01	2.49	0.33	6.97	22.6	10.6	0.53
07233	0.07	1.45	7.8	<0.01	13	38	0.09	0.04	1.73	0.27	8.58	19.4	8.9	0.53
07234	0.08	0.33	28.1	0.01	<5	32	0.07	0.17	2.91	0.38	5.22	20.3	12.5	0.70
07235	0.04	2.06	0.8	<0.01	<5	12	0.08	0.02	3.27	0.29	9.18	23.9	17.5	0.58

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	0.05
07236	0.07	2.24	1.6	<0.01	<5	15	0.08	0.09	2.83	0.66	7.42	24.1	29.1	0.27
07237	0.04	1.91	0.3	<0.01	<5	28	0.06	0.02	3.15	0.10	8.07	24.0	14.1	0.48
07238	0.03	0.54	1.2	<0.01	<5	54	0.11	0.05	3.81	0.18	7.31	18.5	14.9	2.78
07239	0.07	0.48	0.5	<0.01	<5	25	0.11	0.05	3.61	0.09	4.13	20.2	15.0	0.89
07240	0.03	0.60	1.4	<0.01	<5	31	0.12	0.03	5.26	0.17	6.34	20.7	16.3	1.43
07241	0.06	0.55	0.8	<0.01	<5	34	0.13	0.07	4.93	0.21	7.36	24.7	8.9	0.81
07242	0.04	0.57	<0.1	<0.01	<5	34	0.13	0.02	5.28	0.17	6.50	22.3	9.9	0.61
07243	0.05	0.59	0.2	<0.01	<5	45	0.19	0.07	3.94	0.20	6.06	22.9	14.1	1.77
07244	0.05	2.18	0.2	<0.01	<5	221	0.84	0.06	3.53	0.16	6.42	29.5	32.5	16.4
07245	0.01	2.17	0.3	<0.01	<5	292	1.21	0.03	5.27	0.32	6.86	25.6	11.4	15.1
07246	0.03	0.87	1.0	<0.01	<5	104	0.45	0.12	5.04	0.48	2.68	28.9	39.8	4.60
07247	0.12	1.86	<0.1	<0.01	<5	223	0.95	0.09	4.16	0.36	4.43	33.8	42.0	12.5
07248	0.11	0.60	1.1	<0.01	<5	94	0.24	0.33	4.07	0.62	2.84	24.4	41.8	2.90
07249	0.03	1.81	1.0	<0.01	<5	169	0.29	0.06	3.00	0.35	4.91	34.1	12.0	13.2
07250	0.06	2.00	0.3	<0.01	<5	286	1.23	0.07	2.17	0.24	5.36	41.6	23.0	15.3
07251	0.04	1.92	0.4	<0.01	<5	232	0.93	0.08	3.53	0.26	3.39	36.9	44.0	14.3
07252	0.06	2.53	<0.1	<0.01	9	47	0.11	0.01	3.26	0.13	4.36	34.6	51.3	4.33
07253	0.02	2.85	0.4	<0.01	<5	16	0.07	0.02	3.78	0.19	4.11	32.0	72.6	0.39
07254	0.05	1.74	3.2	<0.01	<5	32	0.08	0.07	3.47	0.23	4.89	37.3	34.9	0.73
07255	0.05	1.91	0.5	<0.01	<5	19	0.08	0.06	2.80	0.11	3.27	34.1	9.6	0.23
07256	0.04	2.25	0.2	<0.01	<5	18	0.08	0.07	3.30	0.08	4.79	33.4	45.8	0.32
07257	0.06	1.86	2.5	<0.01	<5	22	0.06	0.07	3.56	0.13	6.10	33.2	27.2	0.32
07258	0.03	1.85	2.7	<0.01	<5	35	0.06	0.06	2.93	0.12	5.13	30.4	19.6	0.33
07259	0.08	1.42	4.2	<0.01	<5	20	0.08	0.02	4.00	0.19	6.90	25.9	39.9	0.37
07260	0.05	0.64	7.8	<0.01	<5	16	<0.05	0.03	5.46	0.26	3.93	28.8	21.7	0.29
07261	0.05	0.51	0.2	<0.01	<5	32	0.08	0.06	3.52	0.17	3.24	32.8	9.4	0.38
07262	0.05	1.56	0.8	<0.01	<5	24	0.06	0.08	3.61	0.84	2.53	29.1	28.7	0.37
07263	0.19	1.61	0.5	0.01	<5	31	0.11	0.17	2.63	3.06	1.84	36.3	26.3	0.46
07264	0.08	0.62	0.3	<0.01	<5	31	0.08	0.06	4.68	0.57	1.46	30.0	18.8	0.49
07265	0.03	1.46	<0.1	<0.01	<5	15	<0.05	0.10	5.89	0.27	1.94	30.1	57.0	0.31
07266	0.04	2.35	<0.1	<0.01	<5	17	0.06	0.11	4.51	0.79	4.16	32.7	49.2	0.29
07267	0.03	2.86	0.4	<0.01	<5	12	0.08	0.10	3.45	0.30	5.25	39.5	5.6	0.18

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	0.05
07268	0.06	3.24	0.7	<0.01	<5	21	0.08	0.08	4.52	1.23	5.71	33.8	146	0.24
07269	0.03	3.17	0.2	<0.01	<5	8	0.08	0.02	5.17	0.10	3.62	29.1	191	0.31
07270	0.02	2.79	<0.1	<0.01	<5	7	0.10	0.02	4.07	0.06	7.57	24.3	53.5	0.46
07271	0.02	4.24	<0.1	<0.01	<5	87	0.30	0.01	4.79	0.04	5.94	44.1	333	16.8
07272	0.02	2.62	<0.1	<0.01	<5	14	0.08	0.03	3.19	0.03	8.23	29.9	43.5	2.09
07273	0.02	0.69	0.4	<0.01	<5	22	<0.05	0.10	9.17	0.06	2.53	20.7	15.5	3.72
07274	0.03	4.30	<0.1	<0.01	<5	67	0.29	0.05	4.04	0.04	5.48	42.5	314	11.1
07275	0.02	3.60	0.5	<0.01	<5	97	0.25	0.06	3.41	0.04	4.17	37.3	101	17.2
07276	0.02	4.13	0.5	<0.01	<5	118	0.29	0.06	4.45	0.04	4.51	35.7	99.5	18.7
07277	0.05	3.24	2.1	<0.01	<5	39	0.14	0.14	3.04	0.04	5.32	39.3	17.9	3.85
07278	0.03	3.11	0.5	<0.01	<5	77	0.14	0.05	4.16	0.05	6.94	29.6	22.8	4.64
07279	0.04	2.32	4.0	<0.01	<5	17	0.10	0.02	4.46	2.30	5.06	26.5	68.6	1.29
07280	0.03	0.42	41.8	<0.01	<5	25	0.08	0.05	3.68	0.16	6.13	23.6	7.7	1.54
07281	0.02	2.84	1.7	<0.01	<5	16	0.07	0.02	3.57	0.04	10.4	25.8	31.1	0.90
07282	0.01	3.19	<0.1	<0.01	<5	7	0.06	<0.01	7.82	0.04	4.58	26.9	41.0	0.44
07283	0.07	3.01	0.7	<0.01	<5	23	0.07	0.08	3.86	0.05	6.05	26.2	35.8	0.67
07284	0.02	2.54	<0.1	<0.01	<5	117	0.16	0.02	3.76	0.04	4.04	29.4	44.2	20.7
07285	0.03	2.47	0.4	<0.01	<5	39	0.05	0.04	3.84	0.04	5.44	28.2	11.4	0.79
07286	0.03	2.55	<0.1	<0.01	14	128	0.23	0.02	3.24	0.08	3.89	31.1	28.5	12.0
07287	1.62	0.36	13.3	<0.01	<5	79	0.14	4.27	4.62	0.50	2.54	31.0	7.7	0.59
07288	0.48	0.97	15.6	<0.01	<5	147	0.24	1.18	4.09	0.65	2.57	31.2	18.9	4.91
07289	0.71	0.33	47.2	<0.01	<5	42	0.14	1.87	1.75	0.89	1.16	9.7	10.6	0.51
07290	0.56	0.73	15.0	<0.01	<5	98	0.20	1.49	4.99	0.86	2.47	39.6	21.5	3.52
07291	0.07	1.30	16.3	<0.01	<5	103	0.23	0.11	3.91	0.33	2.57	28.9	28.1	6.88
07292	0.05	1.56	12.9	<0.01	<5	73	0.14	0.02	2.88	0.06	3.41	31.6	26.0	8.18
07293	2.40	0.17	6.8	<0.01	<5	22	0.07	3.92	4.26	9.71	1.28	10.4	21.3	1.04
07294	0.05	1.43	17.2	<0.01	<5	34	0.10	0.04	3.74	0.13	3.35	30.1	25.9	4.11
07295	0.28	0.85	42.9	<0.01	<5	49	0.12	0.21	4.76	0.28	2.35	27.7	28.2	4.46
07296	0.28	1.14	32.3	<0.01	<5	57	0.15	0.12	4.34	0.12	3.35	28.3	15.0	5.45
07297	0.08	0.82	3.5	<0.01	<5	77	0.10	0.02	3.70	0.13	3.09	30.7	18.7	1.93
07298	0.14	0.51	1.2	<0.01	<5	84	0.10	0.05	4.27	0.16	2.19	36.5	12.6	2.39
07299	0.07	0.45	1.0	<0.01	<5	102	0.13	0.12	5.14	0.18	2.10	30.0	18.0	2.16

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DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.01	0.01	0.1	0.01	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5	0.05
07300	0.08	1.61	0.4	<0.01	<5	129	0.19	0.03	3.45	0.08	4.49	30.2	18.6	12.5
07301	0.07	1.01	<0.1	<0.01	<5	62	0.17	0.01	3.78	0.08	4.69	29.7	16.5	8.49
07302	0.09	0.41	3.0	0.01	<5	31	0.10	0.01	4.61	0.07	1.67	31.7	14.9	6.19
07303	1.16	0.31	26.9	<0.01	<5	104	0.15	3.05	5.82	2.84	2.11	33.8	19.7	0.81
07304	34.1	0.11	127	0.02	<5	35	0.07	92.9	4.01	0.67	2.01	16.3	28.7	0.21
07305	1.79	0.22	53.5	0.02	<5	71	0.15	4.37	5.13	6.89	2.12	31.4	7.5	0.33
07306	0.50	0.25	49.2	0.02	<5	48	0.14	1.44	3.87	1.35	2.06	29.1	16.6	0.51
07307	0.22	0.32	15.6	<0.01	<5	61	0.14	0.62	4.42	0.73	2.75	26.3	21.6	1.46
07308	0.25	0.85	0.9	<0.01	<5	116	0.25	0.05	4.42	0.23	4.12	25.1	49.1	7.71
07309	0.25	0.51	13.9	<0.01	<5	40	0.23	0.09	5.32	0.21	3.35	21.1	21.6	4.04
07310	0.18	0.94	68.2	0.01	<5	67	0.33	0.40	3.61	0.11	4.73	22.8	6.1	6.80
07311	0.19	0.66	18.6	<0.01	<5	61	0.30	0.24	3.76	0.22	3.68	28.9	18.5	4.60
07312	0.03	2.33	1.7	<0.01	<5	139	0.61	0.05	4.18	0.11	6.55	33.4	124	17.4
07313	0.03	1.38	4.3	0.02	<5	75	0.27	0.02	3.63	0.06	3.93	29.8	46.9	13.6
07314	0.02	1.33	6.6	<0.01	<5	82	0.26	0.03	4.66	0.07	3.70	30.0	23.4	8.75
07315	0.01	1.17	1.0	<0.01	<5	66	0.25	<0.01	4.45	0.05	5.90	27.9	34.6	9.91
07316	0.07	1.32	1.4	<0.01	<5	58	0.28	0.38	4.19	0.48	5.19	27.6	18.5	15.8
07317	2.21	0.08	0.9	<0.01	<5	37	0.07	6.96	0.26	26.0	0.29	2.6	50.8	0.41
07318	0.06	<0.01	0.2	<0.01	<5	2	<0.05	0.14	0.02	0.10	0.04	0.5	58.0	0.07
07327	5.32	0.14	1540	>25	<5	18	0.05	3.24	0.12	1.12	4.30	212	202	0.06
07328	3.85	0.03	1180	21.0	<5	7	<0.05	2.80	0.07	1.22	1.24	271	85.8	<0.05
07329	1.66	0.56	426	1.81	<5	73	0.20	4.22	3.56	0.14	8.80	29.0	76.6	0.36
07330	1.81	0.48	454	1.90	<5	72	0.16	4.84	4.12	0.16	8.36	32.6	18.6	0.32
07331	2.07	2.65	22.5	0.03	<5	31	0.08	3.48	0.18	2.11	30.7	11.7	33.5	0.13
07332	0.86	1.24	4450	0.96	6	63	0.18	14.0	2.60	0.63	13.2	498	45.7	0.85
07333	0.63	1.48	2540	1.56	42	36	0.16	49.0	6.32	0.61	18.9	78.9	29.5	1.00
07334	0.24	1.98	553	0.36	11	118	0.15	10.4	2.40	0.23	16.9	25.5	21.4	0.49

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DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Sample Description RDL:	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	0.01
10155	47.7	3.42	1.99	0.15	0.22	<0.01	0.019	0.13	17.1	3.2	0.18	126	15.5	0.02
10156	56.0	3.94	4.09	0.14	0.19	<0.01	0.018	0.10	12.1	10.2	0.60	144	6.68	0.03
10157	45.9	3.87	4.33	0.14	0.25	<0.01	0.021	0.13	14.1	11.1	0.76	403	7.65	0.04
10158	36.9	3.60	4.88	0.14	0.20	<0.01	0.020	0.11	17.1	12.5	0.64	472	7.38	0.04
10159	59.2	3.72	2.48	0.14	0.25	<0.01	0.019	0.13	10.8	5.7	0.40	364	15.9	0.03
10160	62.7	3.83	0.73	0.06	0.03	<0.01	0.013	0.14	4.4	5.5	2.08	1540	1.38	0.03
10161	46.5	3.03	1.76	0.10	0.16	<0.01	0.015	0.13	6.8	4.2	1.12	823	4.83	0.04
10162	40.3	3.16	3.81	0.12	0.14	<0.01	0.019	0.10	13.5	12.1	0.85	408	3.80	0.03
10163	42.1	2.92	2.23	0.11	0.16	<0.01	0.019	0.14	11.2	5.6	0.89	594	20.5	0.03
10164	31.9	2.96	2.85	0.12	0.13	<0.01	0.017	0.13	12.0	9.1	0.87	401	7.85	0.03
10165	41.8	3.22	1.74	0.13	0.12	<0.01	0.017	0.14	15.4	4.6	0.80	415	5.49	0.03
10166	17.7	1.63	0.86	0.10	0.10	<0.01	0.008	0.08	7.9	8.9	0.13	369	2.68	<0.01
10167	20.6	3.21	0.64	0.06	0.18	<0.01	0.014	0.14	8.0	0.4	0.51	1290	4.67	<0.01
10168	33.6	2.77	0.68	0.12	0.14	0.02	0.012	0.16	9.7	0.8	0.32	260	2.10	<0.01
10169	32.1	2.91	1.84	0.10	0.21	0.02	0.010	0.11	5.6	5.7	0.31	1310	7.98	0.01
10170	29.2	1.99	0.43	<0.05	0.06	0.08	0.151	0.01	2.3	0.5	0.05	800	73.8	<0.01
10171	20.3	4.72	1.73	0.12	0.26	0.01	0.155	0.09	3.8	2.0	0.34	1800	18.3	<0.01
10172	2.8	2.35	0.64	<0.05	0.11	<0.01	0.108	<0.01	3.8	0.5	0.57	5470	87.2	0.02
10173	4.2	3.71	1.80	0.11	0.25	0.01	0.013	0.05	3.3	6.1	0.26	1260	26.9	0.01
10174	9.9	3.52	1.54	0.11	0.25	0.03	0.023	0.05	4.3	1.9	0.04	895	174	0.01
10175	15.6	4.17	2.08	0.15	0.30	<0.01	0.018	0.10	7.8	2.1	0.14	896	108	<0.01
07001	12.1	3.29	1.98	0.14	0.30	<0.01	0.013	0.04	5.5	11.7	0.03	779	84.9	<0.01
07002	74.2	3.54	1.22	0.14	0.32	0.01	0.018	0.21	14.8	1.1	0.15	994	22.0	0.01
07003	46.6	3.42	0.98	0.13	0.20	0.01	0.019	0.18	9.8	0.8	0.30	680	9.90	0.01
07004	31.1	3.57	3.39	0.14	0.15	<0.01	0.014	0.18	15.2	9.5	0.81	435	2.35	0.02
07005	41.9	3.23	2.12	0.11	0.15	<0.01	0.017	0.21	12.1	8.1	1.33	566	16.4	0.02
07006	61.3	3.35	1.25	0.12	0.14	0.01	0.015	0.20	10.7	1.5	1.07	614	5.53	0.01
07007	39.7	3.09	1.44	0.13	0.15	0.01	0.017	0.21	13.4	1.8	0.92	790	4.36	0.02
07008	37.1	3.20	1.08	0.14	0.10	<0.01	0.019	0.18	12.9	1.8	0.85	542	1.19	0.01
07009	28.4	4.09	2.07	0.10	0.21	0.01	0.037	0.08	3.5	2.4	0.85	1130	110	0.02
07010	20.1	3.87	1.85	0.09	0.24	<0.01	0.027	0.18	5.0	2.9	1.29	1510	44.3	0.02
07011	53.4	3.47	1.28	0.13	0.15	0.01	0.022	0.20	10.9	1.3	0.97	534	2.60	0.01

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Analyte:	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Sample Description RDL:	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	0.01
07012	44.6	3.16	1.20	0.12	0.11	<0.01	0.016	0.28	11.2	1.4	1.17	580	2.50	0.01
07013	95.9	3.23	0.95	0.11	0.10	0.01	0.021	0.24	9.1	174	0.83	509	9.77	<0.01
07014	8.1	3.50	1.42	0.10	0.13	0.02	0.025	0.03	2.0	2.7	1.23	1330	14.4	<0.01
07015	21.3	1.53	1.50	0.09	0.08	0.11	0.785	<0.01	1.7	1.1	0.48	808	29.5	<0.01
07016	17.2	3.00	1.98	0.07	0.14	0.14	0.489	0.02	2.0	2.1	1.21	1600	72.4	<0.01
07017	9.8	2.36	0.78	0.09	0.19	0.01	0.029	0.02	4.6	9.8	0.96	1310	51.3	0.06
07018	0.7	0.28	0.75	0.07	0.02	<0.01	<0.005	<0.01	0.2	0.8	0.12	224	3.33	0.08
07019	4.2	7.88	0.61	0.14	<0.02	0.01	0.017	<0.01	0.3	0.9	3.21	3400	11.0	0.02
07020	34.7	2.77	1.25	0.10	0.13	0.02	0.017	0.02	2.3	1.4	0.97	1310	79.0	0.03
07021	42.5	2.97	1.43	<0.05	0.12	0.03	0.016	0.03	2.3	1.4	0.82	1080	5.46	<0.01
07022	12.4	1.08	0.31	<0.05	0.08	0.01	0.013	0.06	4.5	52.7	0.84	775	2.03	<0.01
07023	28.1	1.85	0.62	<0.05	0.06	0.02	0.013	0.16	4.8	0.9	0.64	463	1.35	<0.01
07024	24.3	2.46	0.83	0.06	0.06	0.02	0.014	0.21	8.3	1.6	0.90	518	0.92	<0.01
07025	20.3	1.34	0.42	<0.05	0.09	<0.01	0.014	0.11	4.3	1.7	0.93	556	1.81	<0.01
07026	44.9	2.50	0.72	<0.05	0.14	<0.01	0.015	0.17	4.8	1.1	0.87	700	4.65	<0.01
07027	53.2	3.35	0.99	0.12	0.14	<0.01	0.019	0.24	9.2	1.6	1.00	544	2.80	0.01
07028	10.9	3.67	2.35	0.14	0.21	<0.01	0.018	0.21	9.6	4.7	0.62	281	0.24	0.05
07029	12.2	4.41	2.86	0.15	0.31	<0.01	0.021	0.18	7.8	8.7	0.56	183	0.49	0.08
07030	39.5	3.72	0.98	0.12	0.19	<0.01	0.012	0.07	4.2	7.1	1.10	748	0.42	0.05
07031	35.8	3.27	1.26	0.11	0.20	0.01	0.027	0.07	4.5	1.7	0.75	502	1.27	0.03
07032	35.3	3.57	1.13	0.13	0.11	0.01	0.015	0.15	14.0	1.3	0.86	523	0.77	0.01
07033	41.3	3.41	0.93	0.12	0.12	<0.01	0.013	0.14	9.9	1.3	1.10	578	2.43	0.01
07034	35.5	2.70	0.76	0.11	0.11	<0.01	0.012	0.15	10.1	1.1	0.75	390	4.46	0.01
07035	65.8	3.16	0.86	0.09	0.15	0.01	0.030	0.16	7.8	1.4	0.93	479	27.5	0.02
07036	39.0	2.64	0.88	0.09	0.24	<0.01	0.021	0.17	5.8	40.5	1.62	508	29.7	0.02
07037	45.0	2.16	0.94	0.08	0.27	0.01	0.030	0.16	5.4	1.3	1.84	458	23.1	0.02
07038	57.8	2.97	0.95	0.10	0.20	<0.01	0.023	0.14	7.5	1.5	1.57	525	5.90	0.02
07039	77.1	1.80	0.72	0.09	0.16	0.02	0.032	0.14	6.6	0.7	1.33	505	34.8	0.01
07040	54.9	2.61	0.78	0.06	0.20	<0.01	0.022	0.15	4.9	0.9	2.27	730	14.8	0.01
07041	32.3	3.51	0.90	0.14	0.08	<0.01	0.020	0.15	14.6	1.0	1.03	437	2.46	0.02
07042	34.0	3.31	0.81	0.12	0.09	<0.01	0.020	0.16	10.3	0.6	1.09	508	6.59	0.02
07043	34.4	2.81	0.71	0.11	0.09	<0.01	0.018	0.18	8.0	0.4	0.99	436	6.64	0.01

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Sample Description RDL:	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	0.01
07044	46.5	1.90	0.66	0.08	0.09	<0.01	0.013	0.18	5.4	0.7	1.82	631	1.46	<0.01
07045	92.4	2.23	0.91	0.07	0.15	<0.01	0.019	0.20	7.2	1.1	1.48	617	6.72	<0.01
07046	95.5	2.47	0.84	0.08	0.11	<0.01	0.020	0.21	6.5	1.0	1.26	706	8.97	<0.01
07047	54.0	2.16	1.00	0.06	0.31	0.02	0.028	0.17	6.2	0.9	1.72	414	21.3	0.02
07048	44.7	2.23	0.68	<0.05	0.18	0.02	0.029	0.13	4.8	0.4	1.03	475	24.6	0.02
07049	36.5	2.87	0.76	0.06	0.15	<0.01	0.025	0.11	5.5	1.2	0.92	408	9.87	0.03
07050	42.1	2.88	1.44	0.11	0.14	<0.01	0.025	0.10	6.3	4.3	0.90	364	5.95	0.03
07051	33.2	3.23	1.34	0.11	0.11	0.01	0.020	0.11	11.2	2.1	1.00	432	1.60	0.03
07052	44.0	3.03	1.44	0.10	0.16	0.01	0.023	0.13	11.0	3.2	1.04	546	12.5	0.03
07053	38.6	3.35	3.59	0.12	0.11	<0.01	0.024	0.12	13.5	12.4	1.19	464	4.85	0.03
07054	67.5	3.73	3.53	0.13	0.13	<0.01	0.028	0.12	7.2	12.2	0.97	382	7.04	0.02
07055	50.6	2.59	1.53	0.08	0.15	0.02	0.059	0.14	7.0	3.8	0.99	470	18.2	0.02
07056	40.5	3.18	1.26	0.10	0.15	0.01	0.024	0.13	10.6	3.6	1.41	578	6.09	0.01
07057	55.5	2.92	1.00	0.10	0.08	<0.01	0.012	0.18	6.6	1.8	0.99	554	6.95	0.01
07058	45.8	3.42	1.07	0.13	0.10	<0.01	0.011	0.20	6.3	1.9	0.87	361	2.87	0.01
07059	31.7	3.26	0.92	0.11	0.08	<0.01	0.013	0.11	5.1	0.8	1.03	748	0.54	0.04
07060	34.1	3.49	1.32	0.09	0.08	<0.01	0.013	0.21	6.4	1.4	1.15	713	1.55	0.04
07061	60.5	3.63	0.94	0.08	0.08	<0.01	0.014	0.21	6.6	0.8	0.98	606	2.81	0.01
07062	17.1	3.86	3.03	0.11	0.11	<0.01	0.010	0.16	16.7	8.4	1.08	373	2.06	0.01
07063	23.4	3.47	1.61	0.11	0.12	<0.01	0.012	0.16	22.9	2.9	0.89	455	6.52	0.01
07064	31.5	3.17	1.22	0.06	0.11	<0.01	0.019	0.15	12.5	1.2	1.21	580	2.01	0.02
07065	11.3	3.07	1.64	<0.05	0.22	<0.01	0.017	0.18	12.3	2.2	1.25	197	4.91	0.03
07066	10.4	3.15	1.70	<0.05	0.16	<0.01	0.019	0.20	8.6	2.7	1.55	304	2.64	0.03
07067	6.6	2.56	1.54	<0.05	0.15	<0.01	0.015	0.16	10.1	2.9	1.55	265	1.49	0.02
07068	11.5	2.68	1.11	<0.05	0.12	<0.01	0.013	0.18	7.3	1.3	1.80	349	1.88	0.02
07069	5.0	2.33	1.08	<0.05	0.12	<0.01	0.016	0.17	14.3	1.3	1.80	303	1.06	0.02
07070	8.6	2.49	1.39	<0.05	0.13	<0.01	0.015	0.20	17.7	2.2	1.46	244	1.60	0.02
07071	8.9	1.96	1.61	<0.05	0.09	<0.01	0.016	0.15	14.0	4.7	0.99	309	1.16	0.02
07072	15.4	2.45	1.75	<0.05	0.13	<0.01	0.017	0.17	13.5	4.5	1.38	312	6.17	0.02
07073	14.1	2.69	2.23	<0.05	0.14	<0.01	0.017	0.17	13.3	7.7	1.54	302	8.46	0.03
07074	9.4	2.61	2.69	<0.05	0.08	<0.01	0.017	0.16	11.5	10.5	1.47	296	3.86	0.03
07075	7.0	2.32	2.06	<0.05	0.11	<0.01	0.015	0.17	15.5	6.1	1.55	274	3.36	0.04

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Sample Description RDL:	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	0.01
07076	13.4	2.34	2.09	<0.05	0.08	<0.01	0.016	0.16	17.4	7.4	1.57	258	2.45	0.03
07077	11.2	2.52	2.83	<0.05	0.08	<0.01	0.016	0.18	14.9	10.8	1.61	281	1.99	0.03
07078	9.6	2.64	2.99	<0.05	0.07	<0.01	0.018	0.16	17.2	12.1	1.63	302	1.45	0.03
07079	9.8	2.45	2.02	<0.05	0.08	<0.01	0.015	0.17	13.8	6.9	1.63	344	2.43	0.03
07080	12.4	2.55	2.40	<0.05	0.09	<0.01	0.016	0.17	15.8	9.1	1.57	263	1.81	0.03
07081	5.8	2.43	3.12	<0.05	0.09	<0.01	0.014	0.15	19.7	13.4	1.60	249	1.63	0.02
07082	8.8	2.40	2.10	<0.05	0.08	<0.01	0.017	0.16	16.1	7.9	1.64	314	1.14	0.03
07083	7.3	2.54	1.48	<0.05	0.10	<0.01	0.013	0.19	15.8	3.1	1.46	264	2.82	0.03
07084	7.9	2.25	1.00	<0.05	0.11	<0.01	0.016	0.21	5.3	0.6	1.16	352	4.11	0.02
07085	9.9	2.52	1.42	<0.05	0.11	<0.01	0.015	0.21	13.7	2.7	1.28	295	2.95	0.02
07086	7.5	2.52	1.78	<0.05	0.11	<0.01	0.013	0.21	18.2	4.2	1.41	264	3.25	0.02
07087	5.4	2.67	2.62	<0.05	0.10	<0.01	0.014	0.20	17.5	8.9	1.44	328	2.82	0.02
07088	11.7	2.76	1.46	<0.05	0.11	<0.01	0.011	0.29	16.7	0.7	1.56	306	3.44	0.02
07089	8.7	2.43	1.14	<0.05	0.10	<0.01	0.013	0.23	14.7	0.6	1.48	417	3.94	0.01
07090	9.5	2.24	1.00	<0.05	0.10	<0.01	0.010	0.22	8.1	0.6	1.37	284	3.39	0.01
07091	14.8	2.33	1.22	<0.05	0.13	<0.01	0.012	0.27	5.3	0.7	1.22	338	3.89	0.01
07092	20.8	2.70	1.23	<0.05	0.11	<0.01	0.011	0.27	6.1	0.9	2.17	416	4.57	0.01
07093	64.9	3.01	1.59	0.05	0.14	<0.01	0.013	0.19	4.1	5.0	2.50	471	14.8	<0.01
07094	49.5	3.68	1.83	<0.05	0.11	<0.01	0.027	0.25	1.8	6.0	4.79	1730	3.60	<0.01
07095	122	3.55	2.49	<0.05	0.04	<0.01	0.008	0.22	1.9	9.8	4.68	1300	1.57	<0.01
07096	61.1	3.77	4.26	<0.05	0.03	<0.01	0.009	0.10	0.8	25.2	5.70	1110	0.97	<0.01
07097	12.3	2.15	1.56	<0.05	0.07	<0.01	0.014	0.35	11.1	1.3	1.50	350	1.19	0.01
07098	45.5	3.18	1.77	<0.05	0.07	<0.01	0.013	0.30	5.6	3.8	2.35	522	9.20	0.01
07099	20.6	2.32	1.66	<0.05	0.10	<0.01	0.010	0.35	8.5	1.0	1.84	470	5.29	0.01
07100	72.8	4.29	6.44	0.09	0.02	<0.01	0.021	0.07	1.7	24.4	6.13	698	2.15	<0.01
07101	101	4.26	6.37	0.15	<0.02	<0.01	0.021	0.01	0.3	25.2	7.01	1050	2.38	<0.01
07102	14.9	3.55	6.56	<0.05	0.03	<0.01	0.027	1.19	0.8	25.5	6.42	3160	0.72	0.01
07103	87.4	4.34	3.27	0.10	<0.02	<0.01	0.014	0.43	0.4	17.8	7.46	1070	0.58	<0.01
07104	38.5	4.90	5.80	0.07	0.06	<0.01	0.024	1.40	1.0	26.1	6.06	1940	7.85	0.01
07105	115	4.15	3.01	0.07	<0.02	<0.01	0.011	0.15	0.4	15.4	5.96	826	1.62	<0.01
07106	90.2	4.35	4.38	0.06	<0.02	<0.01	0.012	0.13	0.4	22.1	6.03	892	1.26	<0.01
07107	97.0	3.89	4.55	<0.05	<0.02	<0.01	0.012	0.05	0.6	22.5	5.33	937	0.38	<0.01

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Certificate of Analysis

AGAT WORK ORDER: 12V632081

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Sample Description RDL:	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	0.01
07108	49.0	2.79	4.04	<0.05	0.03	<0.01	0.013	0.02	0.9	20.5	5.02	1040	0.31	<0.01
07109	47.3	2.58	5.21	<0.05	0.03	<0.01	0.016	<0.01	0.8	22.3	4.11	1130	0.17	<0.01
07110	65.2	3.49	6.58	0.05	<0.02	<0.01	0.022	<0.01	0.6	25.9	4.56	1060	0.15	<0.01
07111	65.7	3.60	6.79	0.10	<0.02	<0.01	0.021	<0.01	0.7	29.3	5.36	916	0.14	<0.01
07112	58.3	3.03	5.60	0.07	0.02	<0.01	0.018	<0.01	0.7	27.5	4.80	932	0.14	<0.01
07113	62.8	3.46	6.28	0.09	<0.02	<0.01	0.021	<0.01	1.0	32.4	5.68	977	0.12	<0.01
07114	42.1	3.55	5.09	<0.05	<0.02	<0.01	0.012	0.02	0.9	27.5	5.66	1090	0.16	<0.01
07115	26.2	2.58	0.81	<0.05	0.06	<0.01	0.012	0.18	7.9	1.6	1.88	358	1.24	<0.01
07116	11.5	4.99	0.94	<0.05	0.07	<0.01	0.018	0.11	2.6	1.0	0.88	1650	1.76	0.01
07117	24.0	2.30	1.03	<0.05	0.09	<0.01	0.012	0.19	20.5	1.5	1.33	256	0.96	0.01
07118	19.8	2.30	2.42	<0.05	0.06	<0.01	0.012	0.20	9.7	8.6	1.36	271	1.50	<0.01
07119	16.3	2.19	3.05	<0.05	0.07	<0.01	0.010	0.16	7.9	11.9	1.55	323	2.39	<0.01
07120	18.5	2.29	2.07	<0.05	0.13	<0.01	0.012	0.21	8.2	6.3	1.54	295	5.52	<0.01
07121	20.7	2.46	2.10	<0.05	0.10	<0.01	0.014	0.23	6.8	6.7	1.52	311	9.41	0.01
07122	20.4	1.71	1.05	<0.05	0.08	<0.01	0.008	0.21	11.7	2.4	1.51	339	2.32	<0.01
07123	64.0	3.50	4.85	<0.05	0.03	<0.01	0.016	0.16	4.5	18.5	3.81	795	5.22	<0.01
07124	50.6	2.98	5.00	<0.05	0.03	<0.01	0.019	0.18	1.0	17.1	2.77	1390	0.42	<0.01
07125	64.2	4.55	6.85	0.11	<0.02	<0.01	0.018	0.61	0.5	38.7	6.95	975	0.20	<0.01
07126	65.8	4.53	5.98	0.06	<0.02	<0.01	0.014	0.36	0.9	31.9	5.82	1060	0.16	<0.01
07127	63.8	3.53	2.61	<0.05	0.03	<0.01	0.010	0.12	1.2	10.9	4.19	1150	0.88	<0.01
07128	145	3.91	2.14	<0.05	0.02	<0.01	0.015	0.19	0.3	6.6	3.74	1120	1.63	<0.01
07129	15.0	2.91	1.02	<0.05	0.06	<0.01	0.019	0.22	2.9	4.0	2.43	724	16.2	0.02
07130	37.1	2.88	0.67	<0.05	0.04	<0.01	0.021	0.22	1.9	1.4	3.15	648	4.41	0.01
07131	43.4	3.38	0.67	<0.05	0.05	<0.01	0.010	0.24	0.7	1.1	2.47	705	0.37	<0.01
07132	8.4	3.03	0.68	<0.05	0.09	<0.01	0.013	0.14	2.3	1.4	2.48	985	7.57	0.03
07133	27.9	3.19	0.84	<0.05	0.06	<0.01	0.018	0.19	3.1	1.9	1.86	772	11.8	0.02
07134	76.6	3.79	3.96	<0.05	0.03	<0.01	0.015	0.12	0.5	72.8	2.32	1300	0.42	0.01
07135	74.6	2.66	4.31	<0.05	0.04	<0.01	0.016	0.09	0.5	17.6	2.77	816	0.48	<0.01
07136	74.8	3.96	6.96	<0.05	<0.02	<0.01	0.019	0.08	0.6	58.3	2.66	895	1.17	0.01
07137	14.0	1.85	3.45	<0.05	0.02	<0.01	0.012	0.07	0.6	19.3	2.58	837	0.68	0.02
07138	37.5	2.67	5.12	<0.05	<0.02	<0.01	0.021	0.06	0.4	23.9	2.33	536	1.38	0.02
07139	55.9	2.79	7.06	0.06	<0.02	<0.01	0.022	0.05	1.2	12.7	1.44	392	0.28	0.03

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Sample Description RDL:	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	0.01
07140	5.8	3.65	8.27	0.10	<0.02	<0.01	0.029	0.03	1.4	20.1	1.55	289	0.12	0.04
07141	33.5	3.07	7.74	0.09	0.02	<0.01	0.030	0.03	1.8	10.4	1.29	322	0.19	0.04
07142	76.5	2.68	4.58	0.07	<0.02	<0.01	0.017	0.08	1.5	7.0	0.76	292	0.15	0.03
07143	70.6	4.36	6.76	0.09	<0.02	<0.01	0.017	0.38	1.7	21.3	2.48	561	0.08	0.01
07144	49.2	5.52	11.0	0.11	0.03	<0.01	0.028	0.52	1.1	27.9	3.19	747	0.14	0.01
07145	30.2	3.72	7.12	0.10	<0.02	<0.01	0.017	0.64	0.5	29.6	4.80	872	0.10	<0.01
07146	25.5	3.64	7.46	0.11	<0.02	<0.01	0.018	0.74	0.6	28.5	5.38	935	0.10	<0.01
07147	31.8	3.90	7.46	0.11	<0.02	<0.01	0.022	1.36	0.5	31.0	5.46	1020	0.11	<0.01
07148	16.6	3.93	7.20	0.12	<0.02	<0.01	0.021	0.92	0.5	25.8	5.65	1060	0.11	<0.01
07149	13.0	4.11	13.2	0.13	0.02	0.01	0.031	0.88	0.7	24.4	5.39	1050	0.18	<0.01
07150	9.5	4.35	9.18	0.14	<0.02	<0.01	0.025	1.79	0.6	35.9	6.06	1230	0.15	<0.01
07151	<0.1	4.36	39.3	0.16	0.03	<0.01	0.063	4.06	0.9	81.9	7.74	2500	0.26	0.02
07152	55.8	4.25	9.89	0.16	<0.02	<0.01	0.026	2.42	0.7	44.0	5.21	1020	0.21	0.02
07153	63.3	4.54	10.5	0.14	<0.02	<0.01	0.028	1.01	1.3	40.9	4.96	1010	0.18	0.01
07154	48.5	4.35	8.82	0.13	0.08	<0.01	0.014	0.27	0.8	21.3	2.67	797	0.17	0.02
07155	61.6	3.57	6.98	0.11	0.09	<0.01	0.005	0.15	0.3	19.5	2.62	762	0.24	0.01
07156	74.5	4.49	8.77	0.14	0.09	<0.01	0.006	0.39	0.4	25.0	3.20	772	0.16	0.02
07157	18.9	2.15	4.97	<0.05	0.03	<0.01	0.010	0.16	0.3	15.1	1.92	1310	0.37	<0.01
07158	84.5	2.34	4.84	<0.05	<0.02	<0.01	<0.005	0.05	0.2	16.5	2.70	734	0.17	<0.01
07159	69.4	1.75	3.00	<0.05	<0.02	<0.01	<0.005	0.08	0.2	12.5	2.00	451	0.34	<0.01
07160	67.1	2.01	3.24	0.05	<0.02	<0.01	<0.005	0.20	0.2	14.5	2.24	447	0.37	<0.01
07161	77.2	2.57	5.57	0.06	<0.02	<0.01	0.005	0.10	0.3	20.2	3.09	593	0.15	0.01
07162	96.2	3.81	6.76	0.08	0.06	<0.01	<0.005	0.20	0.3	22.8	2.98	754	1.70	0.01
07163	45.0	4.45	9.12	0.12	0.04	<0.01	0.006	0.67	0.3	26.4	3.52	715	0.16	0.01
07164	117	3.75	9.03	0.10	0.02	<0.01	0.009	0.50	0.4	33.5	3.81	751	0.17	0.02
07165	49.8	4.36	10.5	0.10	<0.02	<0.01	0.009	0.90	0.2	35.7	4.73	890	0.13	0.01
07166	83.5	4.68	10.5	0.11	0.03	<0.01	0.007	0.77	0.4	29.4	3.90	854	0.13	0.02
07167	40.7	5.12	9.88	0.13	0.10	<0.01	0.010	0.07	0.6	22.9	2.87	1010	0.23	0.02
07168	84.7	4.22	9.59	0.12	0.03	<0.01	0.006	0.51	0.3	33.4	4.32	852	0.17	0.01
07169	<0.1	5.12	11.8	0.12	<0.02	<0.01	0.015	0.43	0.5	43.4	5.36	1240	0.22	<0.01
07170	43.4	4.88	9.19	0.10	0.05	<0.01	0.018	0.18	1.1	28.6	3.38	831	0.15	0.02
07171	116	5.01	9.28	0.10	0.05	<0.01	0.020	0.13	1.6	24.6	2.56	781	0.16	<0.01

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Certificate of Analysis

AGAT WORK ORDER: 12V632081

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Sample Description RDL:	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	0.01
07172	32.0	2.62	2.83	0.06	0.05	<0.01	0.023	0.15	2.3	5.7	0.59	355	0.38	0.02
07173	66.2	5.03	6.74	0.07	0.03	<0.01	0.026	0.11	3.6	15.5	1.70	713	0.37	0.02
07174	34.9	4.96	4.71	0.10	0.04	<0.01	0.044	0.10	4.9	6.9	0.81	823	0.39	0.03
07175	17.8	4.41	2.13	0.06	0.03	0.02	0.043	0.11	4.7	2.8	0.57	923	0.35	0.02
07176	34.8	4.84	6.19	0.10	0.04	0.14	0.048	0.09	5.9	12.4	1.15	993	0.33	0.02
07177	77.8	4.65	7.75	0.11	0.03	0.01	0.019	0.05	1.9	22.6	2.23	771	0.21	0.02
07178	46.0	4.71	9.15	0.11	0.05	<0.01	0.008	0.02	0.6	31.2	3.25	830	0.16	0.01
07179	140	3.49	6.81	0.07	0.07	<0.01	0.008	0.04	0.5	18.9	2.25	765	0.50	<0.01
07180	38.4	4.26	7.74	0.09	0.04	<0.01	0.007	0.02	0.6	31.2	2.77	757	0.40	0.01
07181	43.4	3.97	7.51	0.12	0.05	<0.01	0.006	<0.01	0.5	21.5	3.11	792	0.35	0.01
07182	47.2	4.73	8.34	0.11	0.05	<0.01	0.008	0.01	0.6	19.4	2.69	1050	0.21	0.02
07183	56.7	4.52	8.57	0.12	0.05	<0.01	0.008	<0.01	0.6	21.0	2.75	893	0.15	0.02
07184	80.4	5.28	8.58	0.09	0.05	<0.01	0.016	0.07	0.8	21.1	2.44	1040	0.78	0.01
07185	24.5	5.46	9.35	0.08	0.06	<0.01	0.018	0.09	1.7	19.9	2.26	1030	0.48	0.02
07186	52.4	6.03	9.88	0.10	0.03	<0.01	0.026	0.11	1.9	24.7	2.92	1370	1.22	0.02
07187	50.6	6.36	11.9	0.12	0.06	<0.01	0.023	0.09	1.6	32.0	3.33	1190	0.49	0.02
07188	68.0	6.30	8.03	0.09	0.05	<0.01	0.020	0.14	1.4	17.7	1.92	1640	0.34	0.02
07189	49.4	6.45	11.7	0.15	0.03	<0.01	0.045	0.03	2.7	28.5	3.20	1190	0.13	0.03
07190	56.2	5.54	10.3	0.10	<0.02	<0.01	0.037	0.07	3.6	23.5	2.49	962	0.25	0.03
07191	38.0	6.10	9.79	0.10	<0.02	<0.01	0.026	0.08	1.6	26.2	3.29	909	0.21	0.02
07192	55.5	4.99	9.45	0.09	<0.02	<0.01	0.031	0.28	0.7	29.0	4.88	952	1.42	0.01
07193	36.9	4.86	1.33	0.08	<0.02	<0.01	0.013	0.21	0.8	4.8	3.87	835	0.17	<0.01
07194	40.8	4.65	1.09	0.06	<0.02	0.03	0.019	0.26	0.7	2.6	3.55	1260	1.73	<0.01
07195	42.4	4.37	1.28	0.06	<0.02	0.03	0.021	0.29	0.8	2.9	3.04	1030	1.76	0.01
07196	54.7	4.90	0.85	<0.05	<0.02	0.02	0.024	0.20	0.5	2.2	3.26	1330	0.38	<0.01
07197	53.6	3.10	0.80	<0.05	<0.02	<0.01	0.021	0.24	0.7	2.4	2.49	1150	0.73	<0.01
07198	32.5	4.96	0.92	<0.05	<0.02	<0.01	0.029	0.17	0.6	2.5	3.25	1670	0.64	<0.01
07199	26.2	4.34	0.88	<0.05	<0.02	<0.01	0.022	0.22	0.5	1.8	3.32	1690	0.53	<0.01
07200	46.1	5.20	0.83	<0.05	<0.02	0.01	0.020	0.21	0.4	1.1	2.92	1870	5.77	<0.01
07201	37.0	6.00	1.03	0.07	<0.02	0.01	0.020	0.16	1.7	1.9	2.31	1650	0.62	<0.01
07202	58.2	5.51	0.70	<0.05	<0.02	0.01	0.014	0.22	0.6	1.2	2.92	2180	0.68	<0.01
07203	45.5	5.26	0.78	0.05	<0.02	<0.01	0.020	0.22	0.7	1.6	2.37	1850	0.88	0.01

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Sample Description RDL:	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	0.01
07204	58.0	5.21	1.24	0.06	<0.02	0.01	0.018	0.18	1.1	2.8	2.78	1450	0.46	0.01
07205	37.0	5.32	13.1	0.18	0.02	<0.01	0.068	1.93	2.1	44.0	2.61	1370	0.21	0.04
07206	18.3	5.60	10.6	0.13	0.02	<0.01	0.056	1.61	2.4	43.9	2.45	1400	0.32	0.04
07207	71.5	5.29	6.29	0.10	<0.02	<0.01	0.067	0.87	1.2	12.5	2.41	1340	0.92	0.04
07208	42.5	5.18	1.79	<0.05	<0.02	<0.01	0.040	0.19	0.9	2.7	2.55	1450	0.75	0.03
07209	25.3	5.16	1.32	0.05	<0.02	<0.01	0.013	0.35	0.5	3.0	2.43	1390	0.75	0.02
07210	16.2	5.33	1.52	0.05	<0.02	<0.01	0.018	0.25	1.0	2.5	2.38	1540	0.85	0.02
07211	12.9	5.60	9.45	0.08	0.02	<0.01	0.054	1.35	1.6	25.1	2.57	1490	0.47	0.05
07212	6.9	5.47	8.69	0.07	0.03	<0.01	0.048	1.02	1.0	34.5	2.16	1440	0.51	0.06
07213	15.1	5.45	6.96	0.08	0.02	<0.01	0.045	0.84	0.9	23.5	1.86	1300	0.32	0.07
07214	6.0	5.73	2.41	0.07	0.02	<0.01	0.028	0.31	0.9	9.7	2.15	1770	0.27	0.04
07215	3.3	3.92	1.20	0.05	0.02	<0.01	0.019	0.13	1.1	3.9	1.92	1630	0.25	0.04
07216	1.3	3.65	1.34	0.07	0.03	<0.01	0.011	0.17	0.8	2.6	1.20	1050	0.42	0.02
07217	2.8	5.99	2.79	0.09	0.05	<0.01	0.020	0.41	0.8	14.9	2.40	1520	0.24	0.03
07218	2.4	5.48	1.13	0.06	0.02	<0.01	0.015	0.13	0.8	2.5	2.24	1950	0.25	0.03
07219	2.9	6.22	1.49	0.07	0.02	<0.01	0.020	0.23	0.6	5.1	2.52	1680	0.32	0.02
07220	24.3	5.89	8.99	0.14	<0.02	<0.01	0.057	1.56	0.6	21.6	3.42	1340	0.26	0.04
07221	96.8	5.44	7.82	0.07	<0.02	<0.01	0.055	0.15	0.6	16.0	3.53	1660	1.20	0.02
07222	103	6.14	11.1	0.11	<0.02	<0.01	0.074	0.04	0.7	21.7	3.47	1450	0.98	0.02
07223	44.9	5.10	7.70	0.09	<0.02	<0.01	0.049	0.08	0.7	15.2	3.28	1360	0.46	0.02
07224	37.8	5.40	2.09	0.06	<0.02	<0.01	0.055	0.13	1.2	21.4	3.14	1400	0.63	0.02
07225	41.5	6.01	8.56	0.10	<0.02	<0.01	0.058	0.07	1.3	73.2	3.38	1320	0.25	0.02
07226	39.3	6.15	10.2	0.11	<0.02	<0.01	0.061	0.06	2.3	14.7	3.35	1320	0.24	0.03
07227	49.5	5.83	10.8	0.11	<0.02	<0.01	0.063	0.02	2.6	14.7	2.89	1530	0.24	0.03
07228	37.4	4.67	6.82	0.07	<0.02	<0.01	0.033	0.08	1.9	11.6	2.71	1360	0.77	0.01
07229	40.5	4.94	5.72	0.07	<0.02	<0.01	0.025	0.11	1.8	11.4	3.37	1320	0.38	0.02
07230	38.3	6.41	10.9	0.14	<0.02	<0.01	0.064	0.03	2.9	17.3	3.02	1440	0.32	0.03
07231	33.2	5.72	7.03	0.07	<0.02	<0.01	0.042	0.08	2.2	9.4	2.46	1410	0.48	0.03
07232	35.5	5.96	9.41	0.11	<0.02	<0.01	0.057	0.05	2.6	12.7	2.11	1310	0.67	0.03
07233	40.9	5.67	7.45	0.11	<0.02	<0.01	0.052	0.07	3.2	18.1	1.61	1150	0.54	0.03
07234	51.5	5.31	1.37	0.07	<0.02	<0.01	0.040	0.18	1.9	1.4	1.80	1430	0.57	0.03
07235	27.8	6.10	9.76	0.11	0.02	<0.01	0.061	0.08	3.4	16.1	2.69	1300	0.31	0.03

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Sample Description RDL:	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	0.01
07236	81.4	6.50	9.94	0.13	<0.02	<0.01	0.081	0.06	2.8	15.6	2.67	1540	0.42	0.03
07237	40.8	5.87	9.09	0.10	<0.02	<0.01	0.047	0.07	3.0	14.8	2.56	1320	0.28	0.03
07238	14.6	5.28	3.27	0.07	<0.02	0.01	0.048	0.25	2.7	4.1	2.48	1340	0.27	0.02
07239	69.9	5.21	2.02	0.08	<0.02	0.03	0.036	0.10	1.6	3.1	2.08	1360	0.77	0.02
07240	30.5	5.01	2.57	<0.05	<0.02	0.02	0.031	0.10	2.4	3.5	2.76	1570	0.49	0.02
07241	57.9	5.35	2.74	<0.05	<0.02	0.06	0.033	0.11	2.8	2.7	2.46	1660	0.50	0.02
07242	23.9	5.27	2.04	<0.05	<0.02	0.06	0.031	0.08	2.5	2.5	2.70	1690	0.40	<0.01
07243	40.4	5.36	3.41	0.07	<0.02	0.04	0.059	0.18	2.3	3.3	2.21	1510	0.31	0.02
07244	45.3	5.85	10.4	0.46	<0.02	<0.01	0.058	1.93	2.5	23.7	3.01	1480	0.15	0.05
07245	<0.1	4.86	12.0	0.45	<0.02	<0.01	0.053	2.08	2.7	41.0	2.86	1500	0.19	0.05
07246	<0.1	4.71	7.58	0.07	0.03	0.01	0.044	0.75	1.0	28.8	3.16	1500	0.26	0.05
07247	15.9	5.54	9.22	0.14	0.02	<0.01	0.041	1.78	1.4	44.6	3.33	1550	1.38	0.05
07248	<0.1	4.29	6.23	<0.05	0.05	<0.01	0.030	0.58	1.0	47.8	2.51	1900	1.87	0.04
07249	26.8	5.65	8.48	0.14	<0.02	<0.01	0.038	1.65	1.9	34.4	2.29	1680	0.77	0.04
07250	88.8	5.78	11.7	0.18	<0.02	<0.01	0.065	1.84	2.1	35.3	2.09	1600	0.36	0.05
07251	43.8	4.76	9.35	0.38	<0.02	<0.01	0.037	1.77	1.3	34.8	3.22	1710	0.20	0.06
07252	93.1	4.73	10.2	0.15	<0.02	<0.01	0.038	0.51	1.8	35.5	3.40	1160	0.22	0.03
07253	28.0	4.90	10.3	0.09	<0.02	<0.01	0.036	0.07	1.7	25.0	3.44	1520	0.11	0.03
07254	97.9	5.54	7.15	0.08	<0.02	<0.01	0.029	0.14	1.8	14.8	2.20	1520	0.43	0.03
07255	128	5.85	10.4	0.10	<0.02	<0.01	0.042	0.05	1.2	15.8	1.88	1640	0.33	0.02
07256	113	5.69	10.4	0.06	<0.02	<0.01	0.039	0.08	1.8	18.8	2.87	1870	0.32	0.04
07257	134	5.68	8.31	0.07	<0.02	<0.01	0.039	0.11	2.3	14.1	2.57	1570	0.46	0.05
07258	30.9	5.73	8.47	0.08	<0.02	<0.01	0.032	0.13	1.9	13.2	2.11	1440	0.53	0.05
07259	97.8	5.30	5.99	0.05	<0.02	<0.01	0.035	0.14	2.7	11.7	2.66	1640	0.45	0.05
07260	69.9	5.17	2.69	<0.05	<0.02	<0.01	0.030	0.14	1.5	4.9	2.91	1840	0.40	0.03
07261	41.1	5.57	2.29	<0.05	<0.02	<0.01	0.033	0.17	1.2	3.4	2.22	1450	0.51	0.03
07262	113	6.38	4.82	0.06	<0.02	<0.01	0.040	0.16	0.9	11.6	3.03	1970	0.73	0.03
07263	500	6.37	5.31	0.08	<0.02	0.01	0.092	0.15	0.7	12.6	2.68	2040	1.30	0.02
07264	185	4.88	1.71	<0.05	<0.02	<0.01	0.031	0.17	0.5	4.3	2.70	2230	0.57	0.02
07265	64.3	5.27	4.06	<0.05	<0.02	<0.01	0.027	0.13	0.7	13.6	3.57	2020	0.68	0.03
07266	110	5.55	9.00	<0.05	<0.02	<0.01	0.069	0.08	1.5	19.0	2.85	2040	0.53	0.03
07267	128	6.68	12.7	0.09	<0.02	<0.01	0.081	0.03	2.0	15.5	2.46	1870	0.51	0.03

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http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 12V632081

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Sample Description RDL:	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	0.01
07268	163	5.83	11.3	0.07	<0.02	<0.01	0.082	0.06	2.1	23.8	3.38	1730	0.56	0.02
07269	125	4.88	10.3	0.06	<0.02	<0.01	0.052	0.03	1.4	24.9	3.90	1630	0.29	0.03
07270	84.4	5.16	10.7	0.12	<0.02	<0.01	0.066	0.02	2.9	19.8	2.97	1760	0.31	0.03
07271	82.0	6.29	12.5	0.19	<0.02	<0.01	0.063	1.10	2.3	33.8	5.23	2180	0.27	0.02
07272	36.6	6.03	12.2	0.17	0.02	<0.01	0.069	0.10	3.0	19.3	2.90	1670	0.33	0.04
07273	36.1	2.11	3.03	<0.05	0.03	<0.01	0.023	0.11	0.9	4.7	0.58	2190	1.54	0.02
07274	117	6.93	14.0	0.18	0.02	<0.01	0.095	0.70	2.0	31.0	4.72	2420	0.40	0.02
07275	79.9	6.51	12.4	0.19	0.05	<0.01	0.075	1.10	1.4	27.6	3.89	1980	0.43	0.03
07276	88.5	6.17	13.5	0.17	0.05	<0.01	0.082	1.19	1.6	30.9	4.46	2500	0.41	0.03
07277	253	6.36	13.6	0.18	0.04	<0.01	0.090	0.25	1.9	25.4	3.41	1860	0.41	0.03
07278	77.9	6.07	12.2	0.12	<0.02	<0.01	0.063	0.33	2.6	23.0	2.79	1890	0.39	0.03
07279	79.3	4.94	8.20	0.06	<0.02	<0.01	0.050	0.09	1.9	15.8	3.35	1680	0.62	0.03
07280	83.1	5.78	1.50	0.06	<0.02	<0.01	0.061	0.23	2.2	1.2	2.25	1670	1.89	0.03
07281	124	5.70	11.7	0.09	0.03	<0.01	0.067	0.10	3.9	16.8	2.75	1380	0.50	0.04
07282	31.9	5.12	11.0	0.05	<0.02	<0.01	0.035	0.05	1.7	20.7	3.02	1970	0.24	0.02
07283	350	5.77	11.3	0.08	<0.02	<0.01	0.064	0.07	2.4	21.0	2.84	1410	0.47	0.04
07284	50.8	6.11	10.5	0.10	<0.02	<0.01	0.062	1.69	1.5	32.6	3.05	1300	0.14	0.05
07285	103	6.06	9.39	0.08	<0.02	<0.01	0.053	0.16	2.0	15.4	2.69	1580	0.51	0.03
07286	78.2	6.00	9.70	0.11	<0.02	<0.01	0.057	1.50	1.4	33.1	3.66	1580	0.38	0.05
07287	219	6.48	1.50	<0.05	<0.02	<0.01	0.023	0.24	0.9	3.9	2.79	1920	0.53	0.03
07288	58.9	5.73	4.43	0.06	0.02	<0.01	0.031	0.78	0.9	14.7	3.00	1690	0.40	0.06
07289	13.2	2.55	1.63	0.05	<0.02	<0.01	0.014	0.16	0.4	3.5	1.15	656	6.31	0.09
07290	54.9	6.41	3.40	0.07	<0.02	<0.01	0.033	0.52	0.9	9.4	3.21	1730	0.40	0.04
07291	36.9	6.41	6.24	0.07	<0.02	<0.01	0.051	0.75	0.9	8.5	3.26	1580	0.52	0.04
07292	52.9	6.49	5.68	0.07	<0.02	<0.01	0.044	0.77	1.3	9.8	3.53	1300	0.40	0.03
07293	48.4	3.47	0.69	<0.05	<0.02	<0.01	0.207	0.12	0.4	1.2	1.96	1730	0.98	0.02
07294	65.1	6.51	6.22	0.06	<0.02	<0.01	0.051	0.37	1.2	8.8	3.15	1480	0.67	0.03
07295	228	6.07	3.83	0.06	<0.02	<0.01	0.051	0.55	0.8	8.6	3.29	1580	0.74	0.04
07296	260	6.63	4.69	0.06	<0.02	<0.01	0.048	0.67	1.2	9.7	2.91	1650	1.23	0.04
07297	196	6.01	2.25	0.06	<0.02	<0.01	0.032	0.44	1.1	7.5	3.14	1480	1.79	0.02
07298	81.5	6.04	1.34	<0.05	<0.02	<0.01	0.028	0.37	0.8	6.1	3.33	1550	3.85	0.02
07299	36.2	5.26	1.07	<0.05	<0.02	0.02	0.020	0.32	0.7	3.2	2.96	1760	8.17	0.01

Certified By: Ron Cardinall

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AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

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DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
Sample Description RDL:	0.1	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.1	0.1	0.01	1	0.05	0.01
07300	158	6.42	5.87	0.07	<0.02	<0.01	0.040	1.32	1.6	12.2	2.69	1440	1.23	0.04
07301	185	5.61	4.15	0.06	<0.02	<0.01	0.047	0.68	1.7	6.8	2.57	1440	0.93	0.03
07302	244	4.82	1.08	<0.05	<0.02	<0.01	0.030	0.30	0.6	1.3	2.52	1370	0.79	<0.01
07303	97.9	6.10	2.03	0.07	<0.02	0.01	0.030	0.21	0.7	2.7	3.20	2220	2.26	0.02
07304	14.3	3.45	0.69	<0.05	<0.02	<0.01	0.010	0.04	0.8	0.6	1.96	2190	6.17	0.05
07305	168	5.87	1.14	0.07	<0.02	0.01	0.082	0.14	0.7	1.8	2.46	2020	16.5	0.02
07306	49.8	5.18	1.68	0.05	<0.02	<0.01	0.022	0.13	0.7	2.9	2.00	1350	4.23	0.06
07307	71.4	4.71	1.51	<0.05	<0.02	<0.01	0.023	0.19	1.0	3.1	2.04	1220	0.25	0.05
07308	409	4.79	3.68	0.05	<0.02	<0.01	0.047	0.64	1.5	9.0	2.06	1030	0.14	0.06
07309	515	4.61	2.10	<0.05	<0.02	<0.01	0.048	0.33	1.3	4.4	1.98	1230	0.19	0.04
07310	96.4	5.98	4.90	0.07	<0.02	<0.01	0.038	0.69	1.7	9.4	1.93	1280	0.85	0.05
07311	191	6.02	4.37	0.08	<0.02	<0.01	0.046	0.50	1.4	7.3	2.03	1390	1.67	0.06
07312	10.2	5.78	10.4	0.08	0.02	<0.01	0.045	2.08	2.4	28.2	3.38	1160	0.90	0.05
07313	7.3	5.90	5.57	0.07	<0.02	<0.01	0.035	1.06	1.5	9.7	2.51	1210	1.26	0.04
07314	6.8	5.31	5.03	0.06	<0.02	<0.01	0.030	1.00	1.4	12.4	2.56	1250	0.59	0.03
07315	<0.1	4.97	4.68	0.07	<0.02	<0.01	0.026	0.87	2.2	11.3	2.74	1040	0.69	0.03
07316	<0.1	5.42	5.19	0.07	0.02	<0.01	0.042	0.94	1.8	13.3	2.65	1290	213	0.04
07317	<0.1	0.63	0.50	0.05	<0.02	0.04	0.101	0.04	0.1	0.5	0.11	122	5.59	<0.01
07318	<0.1	0.27	0.10	<0.05	<0.02	<0.01	<0.005	<0.01	<0.1	0.1	<0.01	28	2.22	<0.01
07327	369	17.7	0.48	0.22	0.05	0.05	1.10	0.06	2.0	0.4	0.06	58	1.05	0.01
07328	219	16.5	0.37	0.22	<0.02	0.04	1.02	0.02	0.6	0.1	0.03	68	1.38	<0.01
07329	28.1	7.82	1.51	0.09	0.34	<0.01	0.040	0.28	3.9	0.7	1.30	587	0.77	0.04
07330	16.6	8.50	1.38	0.10	0.28	<0.01	0.040	0.25	3.8	0.6	1.55	678	0.33	0.03
07331	1080	5.38	9.06	0.13	0.32	0.03	0.902	0.07	13.7	56.1	2.39	1190	0.46	0.01
07332	5750	11.4	3.61	0.27	0.24	0.06	0.086	0.13	8.1	8.1	0.25	539	7.55	0.11
07333	170	3.52	4.83	0.06	0.36	0.02	0.214	0.07	14.4	9.7	0.33	1150	12.9	0.11
07334	124	3.35	5.99	0.07	0.21	<0.01	0.058	0.20	9.4	6.9	0.75	686	15.6	0.24

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DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	0.01
10155	0.08	33.3	479	25.1	6.3	0.006	0.165	0.96	2.0	8.6	<0.2	10.8	<0.01	0.12
10156	0.07	47.4	656	4.3	5.1	0.015	0.381	0.14	2.3	7.4	<0.2	19.6	<0.01	0.07
10157	0.08	47.1	688	5.5	6.4	0.010	0.470	0.13	2.4	4.1	<0.2	33.1	<0.01	0.06
10158	0.08	40.0	713	5.6	6.2	0.009	0.265	0.12	2.5	4.8	<0.2	23.2	<0.01	0.09
10159	0.09	57.3	735	7.9	7.2	0.020	1.12	0.29	2.1	7.2	<0.2	28.6	<0.01	0.11
10160	0.11	139	757	22.7	7.5	0.023	1.47	0.21	3.8	2.7	<0.2	161	<0.01	0.05
10161	0.09	64.1	865	8.1	6.8	0.013	0.938	0.21	2.3	3.2	<0.2	88.9	<0.01	0.05
10162	0.08	35.8	604	5.2	5.6	0.008	0.505	0.18	2.0	3.6	<0.2	43.7	<0.01	0.06
10163	0.09	45.7	585	4.4	7.6	0.028	0.758	0.49	2.0	5.2	<0.2	85.7	<0.01	0.09
10164	0.08	38.6	662	4.9	7.0	0.012	0.614	0.44	2.2	3.6	<0.2	99.8	<0.01	0.06
10165	0.08	43.9	625	3.3	7.4	0.012	0.596	0.54	2.0	3.5	<0.2	38.2	<0.01	0.07
10166	0.10	15.4	301	34.4	4.4	0.002	0.961	0.36	1.0	1.4	<0.2	34.6	<0.01	0.02
10167	0.14	23.1	697	30.2	6.3	<0.001	0.216	0.46	1.6	2.0	<0.2	108	<0.01	0.04
10168	0.10	31.6	518	2.1	7.3	0.016	0.621	1.11	1.0	3.0	<0.2	16.8	<0.01	0.07
10169	0.09	37.6	652	1800	5.2	0.008	2.05	2.07	2.4	5.1	<0.2	131	<0.01	0.82
10170	0.09	9.2	170	>10000	0.5	0.009	3.48	48.9	0.6	166	3.8	179	<0.01	77.1
10171	0.12	38.6	622	559	4.7	0.003	3.95	4.62	3.2	5.5	<0.2	171	<0.01	0.51
10172	0.23	9.3	169	2030	0.5	0.008	2.71	0.70	12.3	4.8	<0.2	2710	0.01	0.95
10173	0.09	32.3	687	185	3.3	<0.001	3.31	1.48	2.6	3.2	<0.2	96.6	<0.01	0.14
10174	0.09	41.8	738	1130	2.7	0.013	2.86	0.81	1.6	4.6	<0.2	51.8	<0.01	0.71
10175	0.10	52.0	734	85.9	5.8	0.002	2.89	0.99	3.1	3.4	<0.2	62.5	<0.01	0.17
07001	0.08	45.2	567	99.2	2.7	0.003	2.16	0.86	2.2	3.1	<0.2	21.3	<0.01	0.11
07002	0.09	68.5	747	47.7	10.0	0.030	0.683	2.28	2.5	6.4	<0.2	33.2	<0.01	0.19
07003	0.09	39.6	779	65.9	8.5	0.015	1.42	0.98	1.8	5.1	<0.2	42.9	<0.01	0.12
07004	0.08	34.3	1280	25.4	8.6	0.003	0.239	0.23	2.0	1.6	<0.2	50.6	<0.01	0.04
07005	0.09	40.5	735	9.4	9.8	0.014	0.604	0.40	1.9	4.1	<0.2	104	<0.01	0.07
07006	0.10	41.3	630	8.3	9.7	0.008	0.998	0.80	1.6	3.5	<0.2	89.2	<0.01	0.08
07007	0.11	39.8	640	6.6	10.1	0.009	0.537	0.57	1.8	3.2	<0.2	74.1	<0.01	0.08
07008	0.19	30.2	544	35.9	8.7	0.002	0.529	0.42	1.7	1.3	<0.2	63.7	<0.01	0.07
07009	0.13	55.5	742	102	4.7	0.031	4.73	0.72	4.1	7.5	<0.2	347	<0.01	0.20
07010	0.15	46.3	820	622	10.2	0.012	4.22	0.60	4.8	5.3	0.2	520	<0.01	0.39
07011	0.10	30.2	767	19.1	10.2	0.004	1.74	1.40	2.3	4.4	0.2	147	<0.01	0.17

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Analyte:	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	0.01
07012	0.13	35.9	1080	8.7	13.8	0.006	1.12	0.76	1.5	2.3	<0.2	136	<0.01	0.06
07013	0.12	39.5	620	4.7	10.8	0.012	1.75	0.79	1.4	2.9	<0.2	161	<0.01	0.09
07014	0.08	24.1	531	254	1.5	0.002	3.30	0.49	4.1	3.1	<0.2	304	<0.01	0.29
07015	<0.05	16.2	356	671	0.5	0.010	1.65	0.28	2.4	3.1	<0.2	129	<0.01	0.29
07016	0.09	30.5	511	1410	1.1	0.024	3.20	0.59	4.7	4.9	<0.2	345	<0.01	0.71
07017	0.08	26.2	560	189	1.1	0.013	2.38	0.30	3.1	2.4	<0.2	286	<0.01	0.23
07018	<0.05	1.2	30	10.9	0.3	<0.001	0.146	0.06	0.6	<0.2	<0.2	55.4	<0.01	0.02
07019	0.13	47.0	43	280	0.3	0.002	6.15	0.85	8.1	4.9	<0.2	223	<0.01	0.31
07020	0.08	27.8	618	130	1.2	0.014	2.98	0.43	2.8	2.4	<0.2	306	<0.01	0.11
07021	0.13	29.3	767	99.0	1.5	0.003	3.25	0.76	2.7	3.1	<0.2	279	<0.01	0.08
07022	0.25	10.9	580	20.3	2.9	0.004	0.455	0.80	2.5	1.8	<0.2	571	<0.01	0.03
07023	0.20	19.7	531	11.0	7.4	0.004	0.637	1.01	1.6	2.0	<0.2	251	<0.01	0.05
07024	0.18	26.2	564	6.3	10.3	0.004	0.509	0.48	1.6	1.9	<0.2	273	<0.01	0.06
07025	0.22	14.2	688	15.3	5.2	0.006	0.445	0.17	2.3	1.7	<0.2	1050	<0.01	0.03
07026	0.12	30.6	687	17.3	8.8	0.007	1.12	0.66	1.8	3.0	<0.2	407	<0.01	0.09
07027	0.10	30.6	713	4.6	11.0	0.004	1.58	0.25	1.5	2.1	<0.2	158	<0.01	0.07
07028	0.18	30.5	686	6.4	15.8	0.002	3.49	0.25	3.7	1.7	0.2	110	<0.01	0.08
07029	0.15	34.4	1650	9.6	20.4	0.001	4.89	0.32	4.3	2.9	0.2	157	<0.01	0.12
07030	0.10	30.0	518	108	6.2	0.002	4.11	0.29	3.4	7.3	<0.2	339	<0.01	0.15
07031	0.08	31.9	718	62.5	4.0	0.003	3.16	0.43	2.5	4.8	<0.2	215	<0.01	0.14
07032	0.11	30.1	533	4.0	7.6	0.002	0.604	0.20	1.6	1.7	<0.2	61.2	<0.01	0.09
07033	0.08	36.3	446	3.5	6.8	0.004	0.646	0.32	1.6	3.2	<0.2	149	<0.01	0.09
07034	0.09	30.9	515	3.3	7.5	0.006	0.813	0.41	1.4	3.5	<0.2	101	<0.01	0.08
07035	0.10	61.4	667	6.3	8.2	0.026	1.30	0.71	1.6	9.7	<0.2	151	<0.01	0.12
07036	0.11	45.2	2480	5.6	8.5	0.021	1.37	0.47	1.7	4.9	<0.2	182	<0.01	0.11
07037	0.09	43.2	2620	26.8	7.9	0.039	1.29	1.08	1.9	8.3	<0.2	191	<0.01	0.10
07038	0.09	35.6	1750	6.1	7.4	0.013	1.02	0.51	2.2	8.4	<0.2	183	<0.01	0.09
07039	0.07	64.6	720	4.7	7.4	0.028	0.740	0.65	1.4	14.5	<0.2	146	<0.01	0.11
07040	0.11	46.3	1230	6.4	7.5	0.020	1.16	1.59	1.8	9.1	<0.2	231	<0.01	0.09
07041	0.12	31.7	665	2.9	7.6	0.003	0.397	0.48	1.9	2.0	<0.2	50.6	<0.01	0.04
07042	0.15	32.6	874	3.6	8.1	0.007	0.489	0.34	1.5	3.1	<0.2	92.5	<0.01	0.05
07043	0.12	31.6	749	3.5	8.6	0.008	0.501	0.38	1.3	3.2	<0.2	90.9	<0.01	0.05

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Certificate of Analysis

AGAT WORK ORDER: 12V632081

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	0.01
07044	0.07	27.6	1050	4.7	8.4	0.006	1.03	5.33	1.5	3.1	<0.2	176	<0.01	0.04
07045	0.08	33.0	1160	191	10.2	0.010	1.49	6.66	2.2	6.1	<0.2	278	<0.01	0.16
07046	0.08	47.1	1280	2860	10.3	0.013	1.57	1.89	1.8	22.9	<0.2	226	<0.01	1.47
07047	0.11	42.7	2350	32.3	8.0	0.031	1.30	1.80	2.5	9.8	<0.2	223	<0.01	0.08
07048	0.12	49.0	932	11.4	6.7	0.030	1.33	1.27	2.1	8.9	<0.2	326	<0.01	0.07
07049	0.11	34.5	515	8.1	5.9	0.010	1.03	0.91	2.2	5.4	<0.2	241	<0.01	0.07
07050	0.07	33.1	684	8.3	5.5	0.006	0.705	0.62	2.0	4.4	<0.2	94.9	<0.01	0.06
07051	0.09	26.7	481	8.7	6.2	0.003	0.475	0.57	2.1	2.4	<0.2	108	<0.01	0.06
07052	0.08	46.1	764	9.5	7.2	0.014	0.809	0.44	1.9	5.8	<0.2	104	<0.01	0.09
07053	0.08	31.8	612	8.0	6.7	0.007	0.580	0.28	2.2	4.0	<0.2	84.4	<0.01	0.07
07054	0.08	46.7	722	14.3	6.6	0.011	1.61	1.35	1.8	4.9	<0.2	56.0	<0.01	0.11
07055	0.09	41.1	509	10.8	7.8	0.020	1.02	0.52	1.9	7.0	<0.2	149	<0.01	0.09
07056	0.09	40.0	534	7.2	7.0	0.008	0.702	0.47	2.5	3.2	<0.2	168	<0.01	0.07
07057	0.12	27.1	545	6.3	8.3	0.004	1.23	0.47	1.6	1.6	<0.2	145	<0.01	0.11
07058	0.11	35.7	668	3.5	9.0	0.005	1.88	0.17	1.3	1.5	<0.2	97.7	<0.01	0.13
07059	0.10	28.3	483	16.0	5.3	<0.001	2.07	0.28	2.9	1.4	<0.2	226	<0.01	0.04
07060	0.12	29.1	570	23.6	9.4	<0.001	2.46	0.27	3.0	1.2	<0.2	228	<0.01	0.06
07061	0.13	35.1	668	7.2	9.6	0.001	1.97	0.21	2.1	1.6	<0.2	197	<0.01	0.11
07062	0.09	41.3	688	2.8	7.8	0.003	0.226	0.12	2.0	0.6	<0.2	44.4	<0.01	0.05
07063	0.09	31.5	692	2.9	7.9	0.004	0.198	0.15	2.2	0.7	<0.2	60.3	<0.01	0.05
07064	0.09	29.9	1380	7.3	7.8	0.001	0.742	0.31	2.7	1.6	<0.2	141	<0.01	0.05
07065	0.11	46.6	3270	10.3	9.9	0.007	1.31	0.18	3.0	1.3	<0.2	188	<0.01	0.05
07066	0.12	36.4	3700	10.1	10.6	0.005	1.02	0.17	3.1	1.5	<0.2	274	<0.01	0.04
07067	0.10	33.9	3410	7.1	8.7	0.002	0.485	0.10	2.7	0.8	<0.2	229	<0.01	0.03
07068	0.11	27.3	3240	6.7	9.2	0.002	0.897	0.26	2.7	1.2	<0.2	255	<0.01	0.04
07069	0.12	26.1	3100	6.6	9.6	0.001	0.489	0.13	2.8	0.8	<0.2	295	<0.01	0.03
07070	0.11	28.9	3470	8.1	10.9	0.001	0.711	0.17	2.8	1.1	<0.2	254	<0.01	0.05
07071	0.14	20.5	2520	8.0	8.2	0.001	0.513	0.19	2.4	1.0	<0.2	434	<0.01	0.03
07072	0.13	33.3	4630	8.5	10.1	0.009	1.09	0.29	3.1	1.9	<0.2	354	<0.01	0.06
07073	0.13	47.7	4020	7.5	9.2	0.011	1.13	0.15	2.9	1.9	<0.2	300	<0.01	0.06
07074	0.12	31.1	3410	8.4	8.5	0.005	1.03	0.11	2.7	1.5	<0.2	314	<0.01	0.05
07075	0.13	28.1	3550	10.4	10.1	0.005	0.732	0.15	2.8	1.2	<0.2	341	<0.01	0.04

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	0.01
07076	0.14	27.9	3250	8.2	9.0	0.003	0.637	0.12	2.7	1.1	<0.2	302	<0.01	0.03
07077	0.12	30.3	3630	8.2	10.0	0.003	0.734	0.12	3.0	1.2	<0.2	320	<0.01	0.04
07078	0.13	30.3	3270	9.9	9.4	0.002	0.743	0.15	3.0	1.1	<0.2	317	<0.01	0.03
07079	0.13	27.6	3100	7.6	9.1	0.003	0.708	0.13	2.6	1.1	<0.2	351	<0.01	0.03
07080	0.12	31.4	3420	7.0	9.4	0.002	0.749	0.18	2.6	1.0	<0.2	300	<0.01	0.04
07081	0.12	30.6	3510	6.6	8.7	0.002	0.516	0.15	2.5	0.9	<0.2	344	<0.01	0.02
07082	0.11	27.9	3020	10.4	9.2	0.001	0.543	0.54	2.7	0.9	<0.2	341	<0.01	0.03
07083	0.10	32.1	3990	6.8	11.1	0.004	0.973	1.14	2.6	1.2	<0.2	310	<0.01	0.04
07084	0.12	30.8	2690	7.3	12.7	0.011	1.22	1.97	2.5	0.9	<0.2	388	<0.01	0.03
07085	0.10	31.4	3540	7.1	12.4	0.008	1.01	2.61	2.7	0.8	<0.2	356	<0.01	0.04
07086	0.11	32.0	3480	6.4	11.8	0.008	0.936	1.34	2.7	1.0	0.2	307	<0.01	0.03
07087	0.10	32.3	3650	5.0	10.8	0.008	0.895	0.38	2.6	0.9	<0.2	299	<0.01	0.03
07088	0.11	37.7	4280	5.0	14.2	0.008	1.24	0.64	2.3	1.2	<0.2	224	<0.01	0.06
07089	0.12	32.2	3630	6.2	10.7	0.007	0.996	0.27	2.1	1.1	<0.2	355	<0.01	0.03
07090	0.10	31.9	3590	23.6	9.9	0.004	1.03	0.15	1.9	1.4	<0.2	355	<0.01	0.05
07091	0.14	35.2	3640	11.3	11.9	0.004	1.36	0.35	2.2	1.6	<0.2	446	<0.01	0.08
07092	0.13	53.1	3670	7.2	12.2	0.006	1.28	0.52	3.0	2.0	<0.2	345	<0.01	0.06
07093	0.11	92.3	1000	9.6	8.5	0.029	1.32	0.32	3.1	3.5	<0.2	181	<0.01	0.07
07094	0.14	148	494	174	18.6	0.006	2.00	1.77	8.0	1.7	<0.2	740	<0.01	0.09
07095	0.12	161	477	4.0	10.0	0.005	0.596	0.14	8.6	0.5	<0.2	322	<0.01	0.03
07096	0.11	181	159	2.8	5.2	0.006	0.548	0.12	11.6	0.4	<0.2	192	<0.01	0.01
07097	0.12	28.2	3110	5.8	16.0	0.001	0.577	0.54	2.7	0.9	<0.2	317	<0.01	0.03
07098	0.14	103	1490	13.9	12.9	0.014	1.34	0.46	3.8	3.1	<0.2	263	<0.01	0.08
07099	0.12	44.2	3730	5.6	16.6	0.007	0.991	0.19	2.4	1.8	<0.2	248	<0.01	0.04
07100	0.09	163	144	4.4	3.4	0.006	0.873	<0.05	23.1	0.4	<0.2	143	<0.01	0.05
07101	0.11	182	48	2.1	0.7	0.008	0.868	0.09	26.9	<0.2	<0.2	227	<0.01	0.03
07102	0.20	135	105	144	143	0.001	1.79	0.06	16.3	0.6	0.3	884	<0.01	0.07
07103	0.11	198	85	6.7	48.5	<0.001	0.514	<0.05	11.1	<0.2	<0.2	276	<0.01	0.03
07104	0.21	176	342	79.9	159	0.015	2.79	0.11	13.2	1.0	0.2	595	<0.01	0.11
07105	0.11	203	147	3.4	12.4	<0.001	0.806	0.06	8.1	0.2	<0.2	278	<0.01	0.04
07106	0.11	189	90	3.3	10.3	0.002	1.22	0.06	9.3	0.3	<0.2	291	<0.01	0.03
07107	0.12	183	156	3.1	2.7	0.002	0.802	0.09	11.0	0.3	<0.2	309	<0.01	0.02

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	0.01
07108	0.16	99.7	265	4.3	1.4	0.001	0.754	0.07	13.8	0.3	<0.2	729	<0.01	<0.01
07109	0.16	102	257	5.1	0.5	<0.001	0.523	0.06	19.8	0.3	<0.2	889	<0.01	<0.01
07110	0.14	143	194	4.7	0.1	<0.001	0.529	<0.05	24.5	0.3	<0.2	701	<0.01	<0.01
07111	0.11	166	214	4.9	0.1	<0.001	0.283	<0.05	24.8	0.3	<0.2	481	<0.01	0.01
07112	0.11	167	197	4.3	0.1	<0.001	0.222	<0.05	22.8	0.3	<0.2	531	<0.01	<0.01
07113	0.10	165	209	3.6	0.3	<0.001	0.121	<0.05	22.5	<0.2	<0.2	387	<0.01	<0.01
07114	0.10	168	241	2.7	1.0	<0.001	0.143	<0.05	13.0	0.2	<0.2	327	<0.01	<0.01
07115	0.08	33.4	2660	6.7	7.7	0.002	0.735	0.07	2.3	1.2	<0.2	313	<0.01	0.05
07116	0.15	65.4	2110	185	4.7	<0.001	5.48	0.07	5.0	1.7	<0.2	830	<0.01	0.16
07117	0.09	27.0	3070	28.3	9.3	<0.001	1.27	<0.05	1.8	1.1	<0.2	360	<0.01	0.07
07118	0.09	26.6	3030	7.0	9.2	0.002	0.863	0.06	1.9	1.3	<0.2	301	<0.01	0.07
07119	0.10	23.8	3010	6.2	7.1	0.003	0.652	0.06	1.8	1.0	<0.2	284	<0.01	0.04
07120	0.11	31.7	3850	9.8	9.4	0.004	1.09	0.08	2.0	1.5	<0.2	283	<0.01	0.06
07121	0.11	34.4	3150	10.1	9.1	0.008	1.10	0.09	1.8	2.5	<0.2	307	<0.01	0.07
07122	0.10	21.3	2710	5.1	8.1	0.004	0.670	0.06	1.4	1.9	<0.2	243	<0.01	0.04
07123	0.13	102	771	6.4	9.6	0.001	0.648	<0.05	16.1	0.6	<0.2	287	<0.01	0.01
07124	0.16	78.9	544	7.5	16.8	<0.001	0.375	0.06	21.8	0.6	<0.2	547	<0.01	0.02
07125	0.12	115	129	2.3	62.3	<0.001	0.080	<0.05	22.2	<0.2	<0.2	192	<0.01	0.01
07126	0.13	119	215	3.4	37.1	<0.001	0.091	<0.05	17.0	<0.2	<0.2	265	<0.01	0.01
07127	0.12	87.4	685	8.1	5.6	0.002	1.03	<0.05	10.4	1.0	<0.2	399	<0.01	0.03
07128	0.08	86.3	395	119	7.3	0.003	1.26	0.18	4.0	0.6	<0.2	154	<0.01	0.01
07129	0.10	41.1	2220	12.0	11.9	0.004	2.39	0.40	6.2	1.5	<0.2	508	<0.01	0.07
07130	0.12	27.2	1960	18.2	7.8	0.003	1.82	0.29	5.8	0.9	<0.2	520	<0.01	0.07
07131	0.12	52.7	1710	6.8	8.7	0.002	2.20	0.52	3.3	0.6	<0.2	267	<0.01	0.01
07132	0.10	58.5	2550	52.6	5.1	0.002	2.87	0.44	6.4	1.4	<0.2	504	<0.01	0.08
07133	0.10	50.3	3020	24.8	8.0	0.004	2.96	0.28	4.8	1.9	<0.2	529	<0.01	0.08
07134	0.12	73.8	713	5.7	4.6	<0.001	1.71	0.19	7.0	0.4	<0.2	283	<0.01	0.04
07135	0.10	56.5	727	4.3	2.8	0.002	0.905	0.10	5.7	0.3	<0.2	235	<0.01	0.01
07136	0.08	98.5	293	2.2	2.4	<0.001	0.447	<0.05	11.1	0.2	<0.2	99.1	<0.01	0.01
07137	0.10	73.6	233	3.5	2.2	<0.001	0.782	0.05	8.0	<0.2	<0.2	128	<0.01	0.01
07138	0.10	36.1	460	3.3	1.8	0.001	0.786	0.05	8.3	<0.2	<0.2	125	<0.01	0.01
07139	<0.05	30.3	350	1.4	1.6	<0.001	0.091	<0.05	11.9	<0.2	<0.2	60.3	<0.01	<0.01

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	0.01
07140	0.06	64.5	363	1.1	1.1	<0.001	0.025	<0.05	16.0	<0.2	<0.2	49.5	<0.01	<0.01
07141	0.06	50.2	362	1.3	1.2	<0.001	0.005	<0.05	15.8	<0.2	<0.2	60.1	<0.01	<0.01
07142	0.06	48.6	316	1.3	3.2	<0.001	0.009	<0.05	7.4	<0.2	<0.2	51.0	<0.01	<0.01
07143	0.06	67.7	298	1.7	23.4	<0.001	0.011	<0.05	12.2	0.3	<0.2	73.5	<0.01	<0.01
07144	0.12	42.8	583	3.1	38.6	<0.001	0.071	0.06	15.4	0.4	0.2	91.5	<0.01	0.01
07145	0.07	137	80	3.2	48.2	<0.001	0.017	<0.05	12.5	<0.2	<0.2	116	<0.01	0.01
07146	0.08	146	84	2.2	59.3	<0.001	<0.005	<0.05	11.2	<0.2	<0.2	138	<0.01	0.01
07147	0.10	140	63	3.4	110	<0.001	0.005	<0.05	22.4	<0.2	<0.2	191	<0.01	0.01
07148	0.09	145	60	3.0	76.7	<0.001	0.005	<0.05	31.5	<0.2	<0.2	214	<0.01	0.02
07149	<0.05	152	174	3.3	80.9	<0.001	0.063	<0.05	33.9	0.3	<0.2	<0.2	<0.01	0.02
07150	0.10	183	87	2.9	157	<0.001	0.550	<0.05	33.7	0.2	0.2	241	<0.01	0.02
07151	0.14	225	20	5.7	364	<0.001	3.47	0.07	28.8	0.5	2.1	401	<0.01	0.05
07152	0.09	123	80	2.4	215	<0.001	0.309	<0.05	33.2	0.2	<0.2	163	<0.01	0.02
07153	0.10	113	267	2.2	77.3	<0.001	0.047	<0.05	28.1	0.3	0.2	115	<0.01	0.02
07154	0.17	41.0	680	1.0	16.0	<0.001	0.009	0.19	10.4	0.3	0.3	53.5	<0.01	<0.01
07155	0.16	42.4	639	0.8	8.2	<0.001	0.006	0.16	3.7	0.2	0.2	31.5	<0.01	<0.01
07156	0.18	45.8	677	0.8	20.7	<0.001	0.012	0.17	4.3	0.3	0.2	39.2	<0.01	<0.01
07157	0.20	46.8	253	2.9	9.0	0.001	0.012	0.06	7.0	0.3	<0.2	146	<0.01	<0.01
07158	0.07	86.2	107	0.7	2.3	<0.001	0.009	<0.05	3.1	<0.2	<0.2	36.7	<0.01	<0.01
07159	0.07	59.0	63	0.6	3.6	<0.001	0.012	<0.05	2.5	<0.2	<0.2	23.0	<0.01	<0.01
07160	0.07	63.4	71	0.5	9.1	<0.001	0.030	0.05	3.1	<0.2	<0.2	21.0	<0.01	<0.01
07161	0.07	109	113	0.5	4.7	<0.001	0.008	0.05	3.6	<0.2	<0.2	25.5	<0.01	<0.01
07162	0.15	68.9	444	1.0	10.4	0.008	0.570	0.10	3.7	0.3	<0.2	28.3	<0.01	0.02
07163	0.12	46.8	567	0.5	35.3	<0.001	0.007	0.10	3.8	<0.2	<0.2	20.5	<0.01	<0.01
07164	0.08	51.2	290	0.4	24.7	<0.001	0.007	0.08	6.7	0.2	<0.2	24.8	<0.01	0.02
07165	0.09	85.1	245	0.5	49.9	<0.001	<0.005	0.07	8.1	0.2	<0.2	28.5	<0.01	0.02
07166	0.09	30.0	455	0.5	41.9	<0.001	<0.005	0.12	5.4	0.3	0.2	28.9	<0.01	0.02
07167	0.15	18.6	563	0.8	3.6	0.001	<0.005	0.14	5.5	0.3	0.3	32.8	<0.01	<0.01
07168	0.08	46.8	316	0.8	27.9	<0.001	<0.005	0.12	5.8	0.4	<0.2	40.2	<0.01	0.01
07169	0.09	105	299	1.0	27.1	<0.001	<0.005	0.09	13.5	<0.2	<0.2	61.2	<0.01	<0.01
07170	0.10	79.8	390	1.0	10.3	<0.001	<0.005	0.10	13.8	0.3	<0.2	61.0	<0.01	<0.01
07171	0.10	22.2	227	3.1	8.1	<0.001	<0.005	0.13	8.6	0.3	0.2	125	<0.01	0.01

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	0.01
07172	0.08	12.6	457	1.2	6.5	0.002	<0.005	0.09	9.0	0.2	<0.2	51.1	<0.01	<0.01
07173	0.07	19.8	453	1.1	4.0	<0.001	0.022	<0.05	10.4	0.3	<0.2	64.1	<0.01	<0.01
07174	0.06	15.9	921	1.1	3.4	<0.001	0.071	0.10	12.4	0.3	0.2	44.7	<0.01	<0.01
07175	0.07	10.7	874	0.9	4.4	<0.001	0.112	0.21	14.0	0.3	<0.2	77.8	<0.01	<0.01
07176	0.06	18.1	1070	2.0	5.9	<0.001	0.212	0.29	6.3	0.3	0.4	54.1	<0.01	<0.01
07177	0.08	40.8	755	1.1	4.5	<0.001	0.012	0.16	7.9	0.2	0.2	45.7	<0.01	<0.01
07178	0.14	56.4	501	0.8	1.5	<0.001	<0.005	0.11	6.1	0.2	0.2	42.3	<0.01	<0.01
07179	0.15	32.1	401	0.8	2.9	<0.001	0.006	0.11	4.0	0.3	0.2	56.2	<0.01	<0.01
07180	0.15	25.4	555	0.8	1.4	0.002	<0.005	0.13	3.7	0.3	0.2	38.1	<0.01	<0.01
07181	0.14	27.5	533	1.0	0.5	<0.001	0.019	0.15	2.9	0.3	<0.2	36.5	<0.01	0.01
07182	0.15	33.2	608	1.3	0.7	0.001	0.033	0.16	4.2	<0.2	0.2	52.9	<0.01	<0.01
07183	0.14	23.2	617	1.4	0.4	0.001	0.021	0.17	3.7	0.2	0.2	37.6	<0.01	<0.01
07184	0.15	12.0	585	2.5	2.8	0.003	0.320	0.18	4.6	0.3	0.3	40.6	<0.01	0.01
07185	0.18	0.4	950	1.5	3.4	<0.001	0.080	0.11	5.6	0.4	0.3	47.6	<0.01	<0.01
07186	0.10	12.4	586	3.8	3.8	0.003	0.176	0.05	8.1	0.3	<0.2	91.8	<0.01	0.01
07187	0.16	13.4	639	2.7	2.8	0.002	0.025	0.13	8.9	0.4	0.3	46.1	<0.01	<0.01
07188	0.15	8.3	660	3.6	3.8	0.001	0.091	0.08	6.5	0.4	<0.2	51.8	<0.01	<0.01
07189	0.10	45.1	631	6.1	1.0	<0.001	0.050	<0.05	22.0	0.2	<0.2	62.3	<0.01	0.01
07190	0.07	6.9	590	5.5	2.7	0.001	0.040	<0.05	13.2	0.2	<0.2	66.8	<0.01	<0.01
07191	0.06	10.2	568	2.9	3.3	<0.001	0.095	<0.05	10.6	0.2	<0.2	57.7	<0.01	<0.01
07192	<0.05	18.4	490	3.9	19.0	<0.001	0.220	<0.05	13.9	0.3	<0.2	72.2	<0.01	<0.01
07193	<0.05	5.8	493	2.3	10.6	<0.001	0.171	0.07	4.1	0.2	<0.2	44.0	<0.01	<0.01
07194	<0.05	8.7	473	8.4	14.6	0.002	0.869	0.31	6.6	0.3	<0.2	147	<0.01	0.05
07195	<0.05	5.9	528	7.3	18.7	0.002	0.614	0.26	6.2	0.3	<0.2	135	<0.01	0.05
07196	0.05	14.5	447	6.4	9.8	<0.001	0.676	1.70	8.4	0.3	<0.2	310	<0.01	0.02
07197	<0.05	9.7	474	4.9	10.8	0.002	0.416	0.87	3.9	0.3	<0.2	216	<0.01	0.02
07198	0.06	10.3	481	5.0	10.9	<0.001	0.980	0.40	9.3	0.3	<0.2	240	<0.01	0.02
07199	0.06	9.8	383	7.8	12.5	<0.001	0.675	0.41	7.0	0.3	<0.2	274	<0.01	0.02
07200	0.06	22.9	564	10.2	11.3	0.002	1.85	0.71	6.0	0.3	<0.2	221	<0.01	0.02
07201	0.06	11.8	844	3.0	8.3	0.002	0.350	0.34	4.9	0.3	<0.2	75.2	<0.01	0.01
07202	0.06	24.0	680	4.1	9.1	0.001	1.49	1.02	3.9	0.3	<0.2	103	<0.01	0.03
07203	0.06	16.6	701	6.1	9.9	0.001	2.35	0.42	5.1	0.4	<0.2	165	<0.01	0.03

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Certificate of Analysis

AGAT WORK ORDER: 12V632081

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	0.01
07204	0.05	15.8	553	2.0	8.9	0.001	0.540	0.12	5.0	0.2	<0.2	89.0	<0.01	<0.01
07205	0.10	14.0	646	6.6	174	<0.001	1.44	0.05	22.5	0.4	0.9	217	<0.01	<0.01
07206	0.10	10.0	601	4.9	141	<0.001	1.44	0.08	18.8	0.4	0.7	187	<0.01	0.03
07207	0.13	7.6	689	5.1	75.8	<0.001	1.49	0.08	16.0	0.6	0.8	158	<0.01	0.05
07208	0.07	9.9	515	5.5	10.3	0.001	1.70	0.12	9.4	0.4	<0.2	180	<0.01	0.08
07209	0.09	8.9	554	4.1	19.1	<0.001	2.52	0.21	4.3	<0.2	<0.2	83.0	<0.01	0.03
07210	0.06	7.4	502	5.7	15.7	0.002	3.66	0.33	6.0	0.3	<0.2	93.3	<0.01	0.09
07211	0.07	16.6	517	11.8	106	<0.001	4.53	0.17	16.1	0.4	0.5	256	<0.01	0.07
07212	0.17	16.5	586	15.0	86.3	<0.001	5.65	0.28	14.2	0.6	0.4	398	<0.01	0.07
07213	0.07	12.1	595	9.6	72.4	<0.001	5.55	0.20	13.1	0.6	0.3	316	<0.01	0.05
07214	0.10	7.2	578	41.9	26.8	<0.001	5.44	0.33	5.4	0.6	<0.2	366	<0.01	0.03
07215	<0.05	7.8	342	12.1	8.1	<0.001	4.30	0.13	3.8	0.4	<0.2	414	<0.01	0.03
07216	<0.05	5.5	773	8.0	7.7	<0.001	4.30	0.08	2.4	0.4	0.2	279	<0.01	<0.01
07217	0.07	6.2	640	8.8	31.8	<0.001	6.77	0.19	4.4	0.5	0.2	426	<0.01	0.02
07218	0.06	14.3	526	19.5	6.2	<0.001	6.64	0.13	5.0	0.5	<0.2	550	<0.01	0.02
07219	0.07	14.2	553	7.8	12.0	<0.001	6.93	0.14	4.1	0.6	<0.2	541	<0.01	0.03
07220	0.05	11.9	572	3.7	134	<0.001	1.24	0.08	18.6	0.3	0.5	146	<0.01	0.02
07221	0.05	8.3	557	7.2	11.0	0.002	1.06	0.08	12.9	0.3	<0.2	86.5	<0.01	0.04
07222	<0.05	14.1	434	2.8	3.6	0.002	1.04	0.07	18.0	0.3	<0.2	56.5	<0.01	0.03
07223	<0.05	19.8	341	1.8	7.1	0.001	0.449	0.09	17.4	0.2	<0.2	72.6	<0.01	0.02
07224	<0.05	10.0	453	2.3	9.3	0.001	1.02	2.27	11.1	0.3	<0.2	157	<0.01	0.02
07225	<0.05	19.5	549	2.1	4.7	<0.001	0.693	0.22	17.1	0.3	<0.2	67.5	<0.01	0.01
07226	0.05	19.0	452	1.9	4.5	0.001	0.387	0.16	23.3	0.2	<0.2	92.0	<0.01	<0.01
07227	<0.05	16.4	430	1.4	1.6	0.001	0.163	<0.05	23.5	<0.2	<0.2	59.7	<0.01	<0.01
07228	<0.05	17.2	412	2.7	3.6	0.002	0.337	0.12	11.0	0.2	<0.2	47.6	<0.01	<0.01
07229	<0.05	14.8	374	2.2	4.5	<0.001	0.400	0.10	8.1	0.2	<0.2	40.4	<0.01	<0.01
07230	0.06	13.3	520	1.1	1.5	<0.001	0.184	<0.05	19.3	0.2	<0.2	31.6	<0.01	<0.01
07231	0.06	8.1	549	2.1	3.4	0.002	0.440	<0.05	10.9	0.3	<0.2	38.2	<0.01	<0.01
07232	0.07	7.8	584	1.2	2.7	0.002	0.286	<0.05	14.9	<0.2	<0.2	38.6	<0.01	<0.01
07233	0.07	4.2	622	1.8	3.7	0.001	0.367	0.07	12.0	0.2	<0.2	39.2	<0.01	0.01
07234	0.05	6.8	551	2.2	10.3	0.001	0.845	0.08	6.7	0.2	<0.2	118	<0.01	0.02
07235	0.07	17.0	505	1.3	4.9	0.001	0.069	<0.05	17.4	<0.2	<0.2	74.2	<0.01	<0.01

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AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	0.01
07236	0.07	18.2	578	0.9	2.9	0.002	0.389	<0.05	16.5	0.4	<0.2	58.1	<0.01	0.01
07237	0.06	15.7	501	1.0	3.9	0.001	0.094	<0.05	14.9	0.2	<0.2	62.3	<0.01	<0.01
07238	0.06	14.5	467	2.7	18.6	<0.001	0.375	<0.05	12.1	0.3	0.3	117	<0.01	0.01
07239	<0.05	16.4	475	1.4	4.9	0.002	0.382	<0.05	8.8	0.3	<0.2	69.9	<0.01	0.01
07240	<0.05	13.3	457	1.5	5.6	0.001	0.159	<0.05	10.8	0.2	<0.2	83.2	<0.01	0.01
07241	0.07	15.3	489	1.6	5.0	0.002	0.436	0.05	10.3	0.3	<0.2	83.2	<0.01	0.03
07242	0.06	11.0	371	2.2	4.0	0.001	0.264	0.05	10.0	<0.2	<0.2	102	<0.01	0.01
07243	0.08	12.0	442	2.3	13.7	<0.001	0.581	<0.05	16.9	0.3	0.6	88.4	<0.01	0.03
07244	0.10	20.7	440	2.8	159	<0.001	0.569	<0.05	27.4	0.4	0.6	103	<0.01	0.02
07245	0.07	11.3	416	7.9	192	<0.001	1.65	<0.05	20.4	0.5	0.5	284	<0.01	<0.01
07246	0.07	25.8	315	9.7	68.9	<0.001	4.55	0.19	14.7	0.5	0.3	441	<0.01	0.03
07247	0.10	28.8	395	12.0	178	<0.001	2.05	0.06	22.7	0.5	0.3	328	<0.01	0.02
07248	0.09	14.5	520	35.0	58.8	<0.001	5.11	0.12	9.4	0.6	0.3	430	<0.01	0.03
07249	0.15	14.1	536	3.9	164	0.002	1.27	0.07	17.1	0.5	0.3	198	<0.01	0.01
07250	0.14	21.0	530	2.9	202	<0.001	1.20	<0.05	31.3	0.6	0.5	169	<0.01	0.03
07251	0.08	32.7	259	3.4	193	<0.001	1.38	<0.05	26.1	0.9	0.3	207	<0.01	0.04
07252	0.05	34.8	220	2.1	45.2	0.001	0.213	<0.05	25.7	0.3	<0.2	112	<0.01	0.02
07253	<0.05	34.7	204	2.1	4.7	<0.001	0.311	<0.05	23.7	0.3	<0.2	98.0	<0.01	0.02
07254	0.07	22.9	549	1.9	9.4	0.002	1.39	<0.05	14.3	0.9	<0.2	134	<0.01	0.05
07255	0.05	11.7	649	1.7	2.9	0.002	1.11	<0.05	16.7	1.1	<0.2	70.3	<0.01	0.04
07256	0.06	25.1	486	1.9	4.9	0.003	1.10	<0.05	20.3	2.1	<0.2	75.9	<0.01	0.04
07257	0.06	20.3	451	1.8	6.4	0.002	0.754	<0.05	15.1	0.6	<0.2	105	<0.01	0.07
07258	0.07	18.2	533	1.4	6.2	0.002	0.644	<0.05	12.7	0.4	<0.2	63.9	<0.01	0.04
07259	0.05	24.8	442	1.6	7.4	0.001	0.100	<0.05	13.0	0.2	<0.2	96.1	<0.01	0.02
07260	0.06	27.7	416	2.0	6.9	0.002	0.342	0.07	8.7	0.5	<0.2	114	<0.01	0.03
07261	0.06	22.1	476	1.9	8.1	0.002	1.11	0.09	6.8	0.7	<0.2	116	<0.01	0.04
07262	0.05	20.6	517	1.7	6.7	0.002	0.877	<0.05	7.6	0.5	<0.2	89.1	<0.01	0.05
07263	<0.05	27.8	484	1.5	6.4	0.003	1.14	0.23	9.0	1.5	<0.2	74.7	<0.01	0.10
07264	<0.05	34.4	361	1.8	7.1	0.001	0.769	0.09	6.0	0.6	<0.2	128	<0.01	0.06
07265	<0.05	43.6	396	1.9	5.7	<0.001	0.488	<0.05	8.5	0.4	<0.2	111	<0.01	0.05
07266	<0.05	29.9	486	1.9	3.4	0.001	0.412	<0.05	15.9	0.3	<0.2	67.0	<0.01	0.04
07267	<0.05	15.3	603	2.1	1.2	0.001	0.572	0.10	23.1	0.4	<0.2	60.1	<0.01	0.02

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AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	0.01
07268	<0.05	46.1	490	2.1	2.6	0.002	0.297	<0.05	22.6	0.3	<0.2	76.4	<0.01	0.02
07269	<0.05	49.1	260	2.0	2.0	0.001	0.218	<0.05	28.8	0.3	<0.2	96.1	<0.01	0.01
07270	<0.05	29.4	531	1.9	2.3	0.001	0.162	<0.05	26.5	0.3	<0.2	101	<0.01	0.01
07271	0.05	99.9	440	2.1	116	0.001	0.130	<0.05	34.8	0.3	0.4	129	<0.01	0.02
07272	<0.05	21.9	542	1.5	11.8	0.002	0.139	<0.05	29.1	0.2	0.2	84.8	<0.01	0.01
07273	0.08	4.7	334	2.1	16.0	0.007	0.672	0.13	6.1	0.5	<0.2	145	<0.01	0.03
07274	0.06	111	533	2.0	77.4	0.001	0.289	<0.05	31.1	0.4	0.6	110	<0.01	0.02
07275	0.09	32.4	570	1.5	126	0.002	0.631	<0.05	32.9	1.0	0.6	86.4	<0.01	0.02
07276	0.08	35.4	530	1.8	133	0.001	0.431	<0.05	33.3	0.6	0.4	114	<0.01	0.03
07277	0.08	13.9	589	1.3	22.7	0.002	0.816	<0.05	27.3	1.0	0.6	78.3	<0.01	0.03
07278	0.08	20.2	504	1.6	27.5	0.001	0.279	<0.05	26.1	0.4	0.5	87.3	<0.01	0.01
07279	<0.05	29.7	405	1.7	7.0	0.001	0.193	0.23	21.4	0.3	<0.2	86.5	<0.01	0.01
07280	0.05	7.0	702	0.9	15.8	0.010	0.413	3.35	13.0	0.9	<0.2	185	<0.01	0.05
07281	0.06	16.3	764	1.6	7.5	0.002	0.129	0.15	20.5	0.4	0.2	75.3	<0.01	0.02
07282	<0.05	22.8	454	2.1	3.0	<0.001	0.086	<0.05	14.1	<0.2	<0.2	145	<0.01	0.01
07283	<0.05	20.0	582	1.3	5.2	0.001	0.637	<0.05	18.6	0.7	<0.2	77.7	<0.01	0.02
07284	0.07	26.1	521	2.1	174	<0.001	0.569	<0.05	25.6	0.3	0.5	110	<0.01	<0.01
07285	0.06	13.4	570	1.5	8.8	0.001	0.347	<0.05	14.0	0.4	<0.2	76.4	<0.01	0.02
07286	0.09	21.1	545	2.1	157	<0.001	0.331	<0.05	20.9	0.3	0.3	155	<0.01	0.01
07287	0.06	24.0	397	279	18.1	0.001	3.61	2.59	6.1	0.9	<0.2	405	<0.01	0.07
07288	0.08	24.2	490	69.1	91.4	<0.001	2.67	0.48	10.1	0.5	<0.2	372	<0.01	0.02
07289	<0.05	9.2	324	120	12.9	<0.001	1.91	0.62	2.6	0.4	<0.2	178	<0.01	0.05
07290	0.05	22.6	512	76.2	52.1	<0.001	3.31	0.45	9.2	0.6	0.2	434	<0.01	0.05
07291	0.07	22.5	501	9.6	82.3	<0.001	1.36	0.28	17.1	0.4	0.3	218	<0.01	0.02
07292	0.08	26.2	521	2.2	76.5	0.001	0.371	0.15	15.1	0.3	<0.2	112	<0.01	0.01
07293	0.12	10.2	281	1760	9.2	0.002	1.21	0.93	7.7	1.3	<0.2	160	<0.01	0.12
07294	0.07	23.9	566	10.1	33.3	0.001	0.809	0.24	14.2	0.4	<0.2	135	<0.01	0.01
07295	0.12	24.9	462	37.3	50.3	0.002	1.39	0.92	13.4	0.7	<0.2	188	<0.01	0.02
07296	0.14	14.7	667	4.3	63.7	0.005	1.52	0.61	12.5	0.7	0.3	186	<0.01	0.01
07297	0.06	27.6	512	2.6	31.7	0.009	0.603	0.12	5.9	0.3	<0.2	191	<0.01	0.01
07298	<0.05	32.6	453	4.1	29.8	0.021	1.57	0.19	5.7	0.7	<0.2	307	<0.01	0.03
07299	<0.05	45.9	323	5.2	19.1	0.056	2.10	0.39	4.7	0.4	<0.2	401	<0.01	0.03

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Certificate of Analysis

AGAT WORK ORDER: 12V632081

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	0.01
07300	0.12	18.5	562	3.1	154	0.011	0.629	0.10	11.6	0.3	0.3	192	<0.01	0.01
07301	0.12	22.7	471	1.8	69.7	0.003	0.137	0.05	11.6	0.4	0.3	114	<0.01	0.01
07302	<0.05	27.2	405	2.3	22.5	0.002	0.247	0.20	8.1	0.3	<0.2	161	<0.01	0.02
07303	<0.05	52.3	155	229	13.1	<0.001	4.02	1.13	6.1	0.9	0.2	676	<0.01	0.06
07304	0.12	12.7	113	5740	2.5	<0.001	3.77	0.27	6.4	3.7	<0.2	443	<0.01	1.76
07305	<0.05	29.9	430	337	8.3	<0.001	3.71	0.91	6.1	0.9	<0.2	514	<0.01	0.07
07306	0.05	30.6	488	99.1	10.6	<0.001	5.20	0.79	6.3	0.8	<0.2	385	<0.01	0.04
07307	<0.05	31.4	431	38.8	14.8	<0.001	3.85	0.83	7.2	0.7	<0.2	322	<0.01	0.03
07308	0.07	31.3	415	7.2	87.5	<0.001	0.711	0.19	15.9	1.3	<0.2	217	<0.01	0.02
07309	0.06	19.1	379	8.5	35.6	<0.001	0.441	0.38	14.1	1.1	<0.2	220	<0.01	0.02
07310	0.16	20.8	627	21.2	74.2	0.003	1.33	0.82	17.1	0.7	0.4	177	<0.01	0.02
07311	0.06	18.9	591	14.8	53.6	0.009	3.47	1.13	14.4	1.0	0.3	214	<0.01	0.02
07312	0.06	42.1	533	4.3	218	0.004	1.50	0.11	23.8	0.3	0.5	171	<0.01	0.03
07313	0.07	32.9	419	2.1	114	0.003	0.364	0.19	17.1	<0.2	0.2	146	<0.01	0.03
07314	0.06	27.5	405	3.2	103	0.001	0.604	0.17	16.0	<0.2	<0.2	146	<0.01	0.02
07315	0.08	30.3	377	2.2	96.4	<0.001	0.077	0.07	15.4	<0.2	0.2	142	<0.01	0.01
07316	0.10	21.6	556	12.4	107	0.006	0.473	0.28	20.4	0.3	0.3	164	<0.01	0.01
07317	0.14	2.7	26	381	2.7	<0.001	0.355	0.18	0.7	0.3	<0.2	10.5	<0.01	0.10
07318	0.17	1.6	<10	7.2	0.4	<0.001	<0.005	<0.05	0.1	<0.2	<0.2	0.8	<0.01	<0.01
07327	0.22	297	79	68.6	2.6	<0.001	>10	0.63	0.2	16.1	15.6	4.9	<0.01	0.56
07328	0.47	297	30	46.8	0.9	<0.001	>10	0.71	0.1	16.9	13.8	2.7	<0.01	0.53
07329	0.05	62.5	911	141	13.6	<0.001	7.95	0.21	2.3	3.8	0.7	70.2	<0.01	0.21
07330	0.09	64.0	347	147	12.3	<0.001	8.40	0.19	2.4	4.4	0.6	78.0	<0.01	0.30
07331	0.07	16.0	178	464	4.6	<0.001	0.912	0.25	4.6	1.0	8.6	8.2	<0.01	0.03
07332	0.87	5930	542	10.4	6.6	0.100	6.67	5.69	2.9	29.9	1.6	72.1	<0.01	2.95
07333	0.36	32.5	1150	14.0	4.0	0.046	0.517	7.11	3.1	4.9	3.4	121	<0.01	4.64
07334	0.52	20.0	697	5.9	7.8	0.009	0.115	1.77	4.1	1.1	2.3	117	<0.01	1.09

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

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ATTENTION TO: LOUIS DOYLE

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DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.1	0.005	0.01	0.05	0.5	0.05	0.05	0.5	0.5
10155	8.2	<0.005	0.08	2.00	17.6	0.36	5.84	203	9.2
10156	7.8	<0.005	0.06	1.10	24.4	0.08	3.38	171	7.8
10157	8.6	<0.005	0.07	1.03	29.2	0.09	3.47	181	10.3
10158	9.5	<0.005	0.06	0.81	29.8	0.07	3.33	168	8.8
10159	7.6	<0.005	0.07	1.81	24.2	0.12	4.16	150	10.9
10160	9.6	<0.005	0.08	1.57	11.8	0.06	3.84	161	1.9
10161	6.6	<0.005	0.07	1.35	14.0	0.07	4.41	126	6.2
10162	8.6	<0.005	0.05	0.72	20.6	0.06	3.41	140	5.6
10163	6.9	<0.005	0.07	1.21	23.8	0.09	4.22	127	6.6
10164	8.2	<0.005	0.06	0.91	19.3	0.08	4.48	140	6.0
10165	8.6	<0.005	0.06	0.82	16.4	0.10	3.23	162	5.2
10166	3.3	<0.005	0.03	0.40	5.7	0.13	2.45	51.5	3.9
10167	3.6	<0.005	0.05	0.76	11.4	0.17	4.96	88.8	7.7
10168	4.8	<0.005	0.07	3.85	6.5	0.15	2.73	96.2	5.3
10169	4.8	<0.005	0.09	2.16	9.3	0.23	5.22	61.7	8.5
10170	1.1	<0.005	0.83	0.30	2.5	0.29	4.83	163	2.6
10171	4.1	<0.005	0.10	0.81	8.5	0.21	12.5	1860	11.8
10172	2.1	<0.005	0.03	0.20	6.6	0.21	61.9	121	2.5
10173	6.3	<0.005	0.04	0.62	7.1	0.17	6.77	205	12.4
10174	9.6	<0.005	0.04	1.04	4.5	0.87	5.49	321	10.2
10175	6.1	<0.005	0.04	1.41	8.7	0.28	7.17	326	12.8
07001	5.3	<0.005	0.02	0.89	6.9	0.34	5.55	245	14.4
07002	7.5	<0.005	0.11	3.15	13.5	0.29	12.6	191	11.2
07003	5.0	<0.005	0.08	1.60	11.6	0.24	6.44	150	6.7
07004	8.1	<0.005	0.06	0.78	16.8	0.07	4.29	138	5.5
07005	5.4	<0.005	0.07	1.22	20.3	0.11	3.71	155	6.3
07006	5.6	<0.005	0.10	1.37	13.8	0.15	3.62	104	5.4
07007	6.6	<0.005	0.09	0.87	15.5	0.13	3.94	115	5.8
07008	6.1	<0.005	0.07	0.63	10.7	0.13	3.15	92.7	4.0
07009	4.7	<0.005	0.04	2.68	17.6	0.63	9.27	123	8.3
07010	5.8	<0.005	0.08	2.55	21.7	0.40	8.48	111	9.2
07011	4.6	<0.005	0.11	1.18	17.8	0.32	4.57	116	9.2

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DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.1	0.005	0.01	0.05	0.5	0.05	0.05	0.5	0.5
07012	4.9	<0.005	0.10	2.31	12.3	0.36	4.22	98.1	4.1
07013	4.1	<0.005	0.12	2.17	11.3	0.37	3.37	120	3.8
07014	4.3	<0.005	0.02	1.52	8.8	0.24	4.18	151	6.7
07015	2.9	<0.005	0.02	0.75	4.8	0.16	2.55	7090	3.9
07016	3.4	<0.005	0.06	1.43	8.4	0.43	5.92	3180	6.3
07017	4.8	<0.005	0.01	0.53	7.9	0.41	3.69	216	5.0
07018	0.2	<0.005	<0.01	0.16	1.8	<0.05	0.62	17.6	1.3
07019	<0.1	<0.005	0.03	0.31	12.9	0.12	4.24	61.8	0.7
07020	3.6	<0.005	0.01	1.06	8.2	0.37	4.56	123	4.6
07021	5.2	<0.005	0.02	5.48	8.2	0.14	8.54	120	6.0
07022	2.5	<0.005	0.02	1.25	7.0	0.10	11.5	28.2	3.1
07023	2.8	<0.005	0.08	1.47	7.7	0.12	6.08	62.9	2.6
07024	5.1	<0.005	0.08	1.50	8.5	0.14	5.20	65.6	2.7
07025	3.0	<0.005	0.03	1.79	8.3	0.10	9.89	30.9	3.2
07026	3.6	<0.005	0.07	2.22	9.0	0.17	7.14	55.2	6.6
07027	4.7	<0.005	0.08	1.43	10.5	0.16	3.33	81.3	6.1
07028	5.8	<0.005	0.14	1.51	22.6	0.14	3.54	124	8.1
07029	5.8	<0.005	0.16	1.69	25.3	0.08	7.26	171	12.7
07030	4.9	<0.005	0.05	1.66	15.8	0.11	5.05	88.3	6.0
07031	4.6	<0.005	0.04	1.42	9.7	0.14	4.14	206	12.7
07032	6.5	<0.005	0.07	1.83	12.6	0.07	2.41	105	4.9
07033	5.5	<0.005	0.07	1.39	12.6	0.07	3.19	101	5.9
07034	5.3	<0.005	0.08	1.38	10.9	0.11	3.35	90.5	4.9
07035	5.3	<0.005	0.09	1.97	20.7	0.14	4.45	409	6.9
07036	4.0	<0.005	0.10	4.23	15.7	0.34	7.88	143	9.1
07037	3.3	<0.005	0.11	5.33	21.5	0.27	8.93	286	11.2
07038	4.5	<0.005	0.08	1.92	15.7	0.10	6.42	162	8.6
07039	3.3	<0.005	0.08	1.64	22.2	0.17	3.69	377	6.8
07040	3.7	<0.005	0.08	1.94	17.0	0.17	5.93	201	8.6
07041	6.2	<0.005	0.07	1.22	11.4	0.11	2.96	117	5.1
07042	5.0	<0.005	0.08	0.77	11.5	0.13	3.32	155	3.8
07043	4.9	<0.005	0.08	0.96	10.1	0.14	3.15	137	3.7

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DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.1	0.005	0.01	0.05	0.5	0.05	0.05	0.5	0.5
07044	3.1	<0.005	0.20	0.66	10.6	0.16	4.94	62.3	3.3
07045	3.7	<0.005	0.12	1.42	13.7	0.30	6.18	68.7	5.9
07046	4.1	<0.005	0.22	1.20	11.5	0.29	6.27	79.8	4.1
07047	3.7	<0.005	0.11	2.98	19.8	0.46	9.24	234	12.8
07048	4.6	<0.005	0.10	2.38	18.8	0.29	8.62	260	7.1
07049	5.9	<0.005	0.07	1.85	14.4	0.10	5.86	161	6.0
07050	6.1	<0.005	0.06	1.33	16.6	0.13	4.39	153	6.0
07051	7.3	<0.005	0.07	1.02	15.6	0.10	4.73	109	5.2
07052	8.6	<0.005	0.07	1.54	21.5	0.10	4.59	142	6.9
07053	9.0	<0.005	0.06	1.31	23.6	<0.05	3.82	141	4.5
07054	6.3	<0.005	0.10	2.36	26.3	0.10	3.25	181	5.4
07055	6.2	<0.005	0.08	1.47	19.4	0.13	5.18	524	6.5
07056	5.8	<0.005	0.07	1.29	20.5	0.14	4.39	144	6.8
07057	4.5	<0.005	0.06	2.25	12.2	0.25	3.66	33.3	3.0
07058	4.1	<0.005	0.07	1.07	10.2	0.22	3.42	68.0	3.7
07059	5.3	<0.005	0.05	1.46	11.7	0.20	4.01	39.4	2.8
07060	4.9	<0.005	0.07	1.11	2.9	0.32	5.28	59.4	3.4
07061	5.1	<0.005	0.06	1.08	0.7	0.23	5.26	54.7	3.4
07062	8.4	<0.005	0.05	1.05	5.2	0.08	2.93	102	5.2
07063	10.0	<0.005	0.05	0.94	3.5	0.09	3.45	83.4	6.0
07064	8.8	<0.005	0.06	1.28	3.2	0.15	6.80	90.9	4.8
07065	9.9	<0.005	0.07	1.05	4.8	0.14	13.1	76.2	9.0
07066	7.3	<0.005	0.07	1.28	4.7	0.09	16.8	92.1	7.4
07067	7.1	<0.005	0.05	0.85	3.8	0.08	15.4	67.4	6.5
07068	5.5	<0.005	0.06	0.96	3.3	0.10	13.6	46.2	4.6
07069	6.4	<0.005	0.06	1.01	2.1	0.10	17.1	35.5	4.8
07070	7.4	<0.005	0.07	0.86	3.6	0.10	17.5	71.5	5.7
07071	5.7	<0.005	0.06	0.73	2.7	0.10	19.5	72.1	3.8
07072	6.5	<0.005	0.06	1.79	6.8	0.46	20.8	32.8	5.9
07073	7.4	<0.005	0.06	1.85	9.8	0.10	16.3	53.3	5.8
07074	6.7	<0.005	0.06	1.13	7.6	0.08	16.2	70.4	3.5
07075	6.8	<0.005	0.07	1.07	5.4	0.08	17.4	39.2	4.4

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.1	0.005	0.01	0.05	0.5	0.05	0.05	0.5	0.5
07076	7.3	<0.005	0.06	0.90	4.7	0.08	13.6	60.4	3.2
07077	7.3	<0.005	0.07	0.80	7.3	0.07	16.6	60.4	3.4
07078	7.3	<0.005	0.07	0.70	7.2	0.06	13.7	74.9	3.7
07079	6.2	<0.005	0.06	1.03	4.6	0.07	17.4	54.9	3.4
07080	7.2	<0.005	0.07	0.77	5.9	0.07	16.7	71.7	3.9
07081	7.8	<0.005	0.06	0.68	7.0	0.07	16.8	69.9	4.0
07082	6.2	<0.005	0.07	0.61	5.1	0.06	14.2	60.5	3.2
07083	6.9	<0.005	0.09	0.84	3.4	0.08	16.8	51.5	4.5
07084	4.6	<0.005	0.09	1.07	1.2	0.14	18.8	40.4	4.6
07085	6.2	<0.005	0.09	0.76	2.4	0.11	16.4	64.4	4.8
07086	7.2	<0.005	0.09	0.86	3.0	0.12	13.6	45.7	5.0
07087	7.4	<0.005	0.07	0.89	5.4	0.10	13.8	81.3	4.3
07088	7.6	<0.005	0.10	1.18	2.6	0.17	15.7	35.5	4.4
07089	6.6	<0.005	0.07	1.31	1.2	0.16	18.7	37.6	4.2
07090	5.4	<0.005	0.06	1.21	1.9	0.16	17.0	65.9	4.1
07091	3.7	<0.005	0.08	1.42	2.6	0.21	21.4	80.5	5.3
07092	4.5	<0.005	0.08	1.36	3.1	0.26	20.0	84.4	4.8
07093	2.4	<0.005	0.06	2.38	12.4	0.38	8.06	102	6.3
07094	1.0	<0.005	0.14	1.65	13.7	0.23	8.39	421	4.8
07095	0.6	<0.005	0.07	0.66	29.4	0.13	5.97	58.5	2.0
07096	0.3	<0.005	0.04	0.40	58.9	0.07	3.62	61.9	1.2
07097	5.0	<0.005	0.10	0.61	4.0	0.16	14.4	80.9	2.9
07098	3.3	<0.005	0.10	1.20	15.9	0.20	8.90	164	3.4
07099	4.3	<0.005	0.11	1.03	7.1	0.17	16.1	40.3	4.2
07100	1.1	<0.005	0.03	0.30	101	0.07	2.49	57.8	1.1
07101	<0.1	0.006	0.03	0.18	137	0.08	0.94	48.8	<0.5
07102	0.2	0.029	1.20	0.22	70.0	0.16	5.72	251	0.8
07103	0.1	0.017	0.43	<0.05	58.7	<0.05	1.12	51.2	<0.5
07104	0.3	0.042	1.31	0.32	75.2	0.23	6.36	176	2.2
07105	0.1	0.007	0.11	0.06	46.1	0.05	2.51	47.8	0.7
07106	<0.1	0.007	0.10	0.10	60.2	0.05	3.05	62.2	<0.5
07107	0.2	<0.005	0.04	0.11	57.8	<0.05	3.60	59.8	<0.5

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Certificate of Analysis

AGAT WORK ORDER: 12V632081

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.1	0.005	0.01	0.05	0.5	0.05	0.05	0.5	0.5
07108	0.2	<0.005	0.01	0.93	49.0	<0.05	4.57	36.1	1.4
07109	0.2	<0.005	<0.01	1.03	77.3	<0.05	4.67	33.4	1.5
07110	0.2	0.005	<0.01	0.10	106	<0.05	5.12	38.4	0.8
07111	0.2	0.006	<0.01	<0.05	114	<0.05	4.47	44.5	<0.5
07112	0.2	0.005	<0.01	<0.05	96.9	<0.05	4.50	34.1	<0.5
07113	0.2	0.005	<0.01	0.12	105	<0.05	4.35	39.7	<0.5
07114	0.2	<0.005	<0.01	0.08	76.4	<0.05	3.79	47.5	<0.5
07115	5.0	<0.005	0.05	0.74	12.9	0.10	14.2	63.0	2.4
07116	3.0	<0.005	0.03	0.99	11.7	0.18	17.4	43.1	2.4
07117	7.2	<0.005	0.07	1.10	10.9	0.12	19.2	66.6	3.5
07118	7.6	<0.005	0.07	0.82	14.7	0.08	12.9	54.6	2.5
07119	6.9	<0.005	0.06	0.72	17.0	0.11	15.4	59.9	2.7
07120	7.3	<0.005	0.08	1.11	15.0	0.12	15.2	72.0	5.2
07121	7.3	<0.005	0.08	1.27	19.1	0.14	14.6	150	4.7
07122	6.4	<0.005	0.07	0.84	11.3	0.12	14.4	41.8	3.3
07123	1.8	0.011	0.12	0.33	62.4	0.06	7.17	59.9	1.1
07124	0.2	0.022	0.17	0.18	81.4	<0.05	6.25	50.4	0.7
07125	0.2	0.062	0.58	0.05	108	<0.05	2.81	69.9	<0.5
07126	0.2	0.040	0.33	<0.05	84.1	<0.05	4.28	73.9	1.2
07127	0.6	<0.005	0.05	0.18	40.2	0.06	8.11	70.3	1.2
07128	<0.1	<0.005	0.11	<0.05	28.2	<0.05	5.85	463	0.7
07129	2.6	<0.005	0.11	0.54	22.4	0.11	15.4	87.6	2.3
07130	1.5	<0.005	0.05	0.39	18.5	0.13	16.8	101	1.5
07131	0.2	<0.005	0.05	0.28	19.9	0.09	14.1	68.1	2.0
07132	2.5	<0.005	0.03	0.70	17.7	0.16	16.1	60.0	3.2
07133	3.3	<0.005	0.05	0.93	16.6	0.17	17.0	95.6	2.1
07134	0.2	<0.005	0.03	0.30	53.5	<0.05	11.4	49.3	0.7
07135	0.2	<0.005	0.02	0.41	50.8	<0.05	10.1	39.1	1.6
07136	0.2	<0.005	0.01	<0.05	90.2	<0.05	5.56	53.0	<0.5
07137	0.3	<0.005	0.01	0.30	46.6	<0.05	3.65	23.3	1.1
07138	0.2	<0.005	0.01	0.22	68.4	<0.05	5.10	57.7	0.6
07139	0.1	0.012	<0.01	<0.05	125	<0.05	4.57	46.0	<0.5

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.1	0.005	0.01	0.05	0.5	0.05	0.05	0.5	0.5
07140	0.2	0.039	<0.01	<0.05	180	<0.05	5.15	48.2	<0.5
07141	0.2	0.041	<0.01	<0.05	166	<0.05	6.95	50.7	<0.5
07142	0.2	0.038	0.01	<0.05	107	<0.05	6.09	54.5	<0.5
07143	0.3	0.066	0.16	0.12	93.0	<0.05	6.18	68.6	<0.5
07144	0.2	0.196	0.21	0.06	160	<0.05	11.4	79.9	0.6
07145	0.2	0.077	0.25	<0.05	117	<0.05	3.97	42.9	<0.5
07146	0.2	0.069	0.32	<0.05	122	0.07	4.02	45.0	<0.5
07147	0.2	0.071	0.59	<0.05	138	0.07	3.52	45.6	<0.5
07148	0.2	0.067	0.44	<0.05	145	<0.05	3.01	40.8	<0.5
07149	0.2	0.070	0.43	<0.05	155	0.06	4.63	42.4	<0.5
07150	0.2	0.075	0.88	0.06	153	0.09	3.52	89.4	<0.5
07151	0.3	0.115	1.84	0.20	203	0.16	6.42	278	0.6
07152	0.2	0.085	1.16	0.09	160	0.12	4.57	87.8	<0.5
07153	0.3	0.167	0.41	0.11	152	0.09	7.67	53.8	<0.5
07154	<0.1	0.372	0.09	<0.05	145	0.37	9.63	55.2	1.9
07155	<0.1	0.343	0.04	<0.05	86.7	0.29	4.56	62.3	2.8
07156	<0.1	0.411	0.10	<0.05	125	0.24	6.18	67.1	2.1
07157	<0.1	0.119	0.04	<0.05	64.1	0.20	7.75	26.6	<0.5
07158	<0.1	0.055	0.01	<0.05	58.1	<0.05	1.69	28.4	<0.5
07159	<0.1	0.043	0.02	<0.05	31.4	0.06	0.71	22.0	<0.5
07160	<0.1	0.058	0.05	<0.05	39.8	0.06	0.76	26.2	<0.5
07161	<0.1	0.085	0.02	<0.05	62.1	0.05	1.77	33.6	<0.5
07162	<0.1	0.251	0.05	<0.05	95.2	0.17	3.10	65.5	0.8
07163	<0.1	0.342	0.14	<0.05	131	0.16	3.99	82.8	0.8
07164	<0.1	0.199	0.11	<0.05	124	0.10	3.87	53.3	<0.5
07165	<0.1	0.190	0.21	<0.05	148	0.08	4.41	57.8	<0.5
07166	<0.1	0.305	0.17	<0.05	160	0.15	5.93	80.0	0.6
07167	0.1	0.350	0.02	0.06	171	0.20	9.67	80.0	2.3
07168	<0.1	0.278	0.18	<0.05	136	0.08	4.72	63.4	<0.5
07169	<0.1	0.187	0.18	<0.05	159	<0.05	7.33	65.2	<0.5
07170	0.2	0.176	0.06	0.07	147	<0.05	10.8	71.2	2.1
07171	0.4	0.107	0.04	0.08	90.2	<0.05	12.1	85.8	1.1

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.1	0.005	0.01	0.05	0.5	0.05	0.05	0.5	0.5
07172	0.5	0.048	0.03	0.09	55.7	<0.05	11.1	42.3	0.9
07173	0.6	0.010	0.02	0.07	99.1	0.11	13.8	88.8	<0.5
07174	0.5	0.015	0.02	0.09	115	0.20	18.2	90.1	1.2
07175	0.4	0.011	0.04	0.07	93.7	0.17	14.4	57.8	<0.5
07176	0.6	0.012	0.09	<0.05	94.8	0.35	15.3	88.9	<0.5
07177	0.3	0.056	0.02	<0.05	106	0.19	9.47	86.7	0.6
07178	0.1	0.253	<0.01	<0.05	109	0.07	6.06	83.2	0.9
07179	0.1	0.223	0.01	<0.05	72.1	0.08	5.29	66.3	1.2
07180	<0.1	0.313	<0.01	<0.05	109	0.10	5.77	74.4	0.8
07181	0.1	0.301	<0.01	<0.05	114	0.10	4.45	64.0	0.8
07182	0.1	0.296	<0.01	<0.05	143	0.10	6.96	62.7	0.8
07183	0.1	0.296	<0.01	<0.05	143	0.08	5.61	68.0	0.8
07184	0.1	0.223	0.03	<0.05	110	0.12	9.94	80.9	1.0
07185	0.3	0.221	0.02	0.06	76.0	0.14	18.4	83.8	1.1
07186	0.3	0.083	0.03	<0.05	167	0.12	12.7	75.3	0.8
07187	0.3	0.317	0.02	0.06	188	0.12	14.8	95.1	1.8
07188	0.3	0.182	0.03	0.07	174	0.09	14.2	96.2	1.0
07189	0.4	0.054	<0.01	0.08	279	<0.05	10.3	84.8	0.6
07190	0.5	0.014	0.02	<0.05	216	<0.05	6.30	75.9	0.6
07191	0.2	0.013	0.02	<0.05	185	<0.05	2.58	78.8	<0.5
07192	0.1	0.044	0.20	<0.05	156	<0.05	2.20	106	<0.5
07193	0.2	<0.005	0.10	<0.05	50.1	<0.05	2.24	124	<0.5
07194	0.1	0.005	0.14	0.18	37.0	0.08	5.13	97.3	<0.5
07195	0.1	0.011	0.18	<0.05	38.5	0.06	3.99	111	<0.5
07196	<0.1	<0.005	0.09	<0.05	41.9	0.12	5.11	82.9	<0.5
07197	0.1	<0.005	0.10	0.06	20.7	0.14	5.06	91.6	<0.5
07198	0.1	<0.005	0.09	0.12	27.5	0.20	5.67	94.6	<0.5
07199	0.1	<0.005	0.10	0.22	24.0	0.15	4.60	96.5	<0.5
07200	<0.1	<0.005	0.10	0.14	25.7	0.17	4.88	86.4	<0.5
07201	0.2	<0.005	0.07	0.21	35.6	0.14	4.38	86.2	<0.5
07202	<0.1	<0.005	0.12	0.15	23.6	0.12	4.10	76.9	<0.5
07203	<0.1	<0.005	0.07	0.14	21.8	0.15	4.45	79.7	<0.5

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.1	0.005	0.01	0.05	0.5	0.05	0.05	0.5	0.5
07204	0.2	<0.005	0.06	<0.05	44.1	0.05	3.12	97.0	0.7
07205	0.2	0.267	1.18	0.08	219	0.06	9.41	93.3	<0.5
07206	0.3	0.235	0.98	0.07	186	0.12	7.32	81.2	<0.5
07207	0.1	0.151	0.55	0.98	157	0.06	5.44	92.0	<0.5
07208	0.1	0.011	0.08	<0.05	50.8	0.09	4.37	69.3	<0.5
07209	<0.1	0.033	0.15	<0.05	36.4	0.06	3.24	70.8	<0.5
07210	0.1	0.026	0.12	0.07	56.8	0.06	3.90	55.2	<0.5
07211	0.2	0.141	0.74	<0.05	185	0.05	8.25	103	<0.5
07212	0.1	0.082	0.60	0.11	130	0.06	9.79	138	0.7
07213	0.1	0.087	0.51	0.06	124	0.06	8.43	110	0.5
07214	<0.1	0.030	0.24	0.13	51.4	0.17	5.64	205	0.6
07215	0.1	<0.005	0.06	0.83	16.2	0.26	5.05	123	0.5
07216	<0.1	<0.005	0.05	0.12	14.3	0.43	5.88	19.7	0.8
07217	<0.1	0.012	0.25	0.19	32.0	0.38	5.87	150	2.3
07218	<0.1	<0.005	0.04	0.09	15.6	0.31	5.94	39.8	0.5
07219	<0.1	<0.005	0.08	0.27	21.9	0.40	7.03	64.2	0.5
07220	0.1	0.210	1.07	0.07	209	0.07	2.83	132	<0.5
07221	<0.1	0.025	0.09	0.07	157	<0.05	2.71	197	<0.5
07222	0.1	0.010	0.03	0.15	218	<0.05	2.22	158	<0.5
07223	0.1	<0.005	0.05	0.14	135	<0.05	2.08	101	<0.5
07224	0.2	<0.005	0.07	<0.05	49.1	0.06	3.33	123	<0.5
07225	0.2	0.008	0.03	<0.05	170	<0.05	2.95	99.1	0.9
07226	0.3	0.009	0.03	<0.05	210	<0.05	4.99	94.0	<0.5
07227	0.3	0.012	0.01	<0.05	240	<0.05	4.38	180	<0.5
07228	0.3	<0.005	0.02	<0.05	102	<0.05	3.60	161	<0.5
07229	0.2	<0.005	0.03	<0.05	81.6	<0.05	2.83	94.3	<0.5
07230	0.3	0.012	<0.01	<0.05	233	<0.05	2.44	94.7	0.5
07231	0.3	0.015	0.02	<0.05	130	<0.05	3.51	96.3	<0.5
07232	0.3	0.019	0.02	<0.05	204	<0.05	3.90	160	<0.5
07233	0.4	0.014	0.03	<0.05	132	<0.05	3.65	143	<0.5
07234	0.3	<0.005	0.07	0.09	26.3	0.14	4.07	82.1	<0.5
07235	0.3	0.010	0.03	<0.05	162	<0.05	4.76	133	<0.5

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.1	0.005	0.01	0.05	0.5	0.05	0.05	0.5	0.5
07236	0.3	0.026	0.02	<0.05	204	<0.05	3.81	338	<0.5
07237	0.3	0.018	0.02	<0.05	179	<0.05	4.88	102	<0.5
07238	0.3	0.027	0.17	<0.05	112	0.06	4.66	89.0	<0.5
07239	0.2	0.005	0.05	<0.05	74.8	0.07	3.99	84.8	<0.5
07240	0.2	0.006	0.04	<0.05	67.3	0.05	3.79	92.9	<0.5
07241	0.3	0.009	0.06	<0.05	75.7	0.09	4.04	121	<0.5
07242	0.3	0.005	0.05	<0.05	79.6	0.19	3.38	101	<0.5
07243	0.3	0.036	0.13	<0.05	147	0.14	3.30	108	<0.5
07244	0.3	0.318	1.04	<0.05	231	<0.05	3.40	129	<0.5
07245	0.3	0.263	1.37	<0.05	202	<0.05	9.56	120	<0.5
07246	<0.1	0.043	0.43	<0.05	78.7	0.16	6.50	234	0.8
07247	0.1	0.243	1.27	<0.05	179	0.08	5.91	169	0.6
07248	<0.1	0.026	0.35	0.09	41.6	0.19	6.95	206	1.7
07249	0.2	0.268	1.13	0.18	183	0.12	5.31	253	0.6
07250	0.3	0.335	1.49	0.27	266	0.10	4.10	201	<0.5
07251	0.2	0.231	1.36	<0.05	178	0.05	3.23	203	<0.5
07252	0.3	0.078	0.30	<0.05	163	<0.05	3.82	82.6	<0.5
07253	0.3	0.012	0.03	<0.05	143	<0.05	4.27	159	1.2
07254	0.2	0.058	0.06	<0.05	116	0.14	4.89	169	<0.5
07255	0.2	0.061	0.02	<0.05	200	<0.05	4.32	151	<0.5
07256	0.2	0.016	0.03	<0.05	191	<0.05	3.69	117	<0.5
07257	0.2	0.036	0.04	<0.05	130	<0.05	3.56	160	<0.5
07258	0.2	0.029	0.03	<0.05	134	<0.05	4.19	172	<0.5
07259	0.3	0.011	0.04	<0.05	88.5	0.05	2.99	141	<0.5
07260	0.2	<0.005	0.05	<0.05	42.0	0.06	3.30	134	<0.5
07261	0.1	<0.005	0.11	<0.05	33.6	0.16	3.08	122	<0.5
07262	0.1	<0.005	0.07	<0.05	75.3	0.12	2.74	505	<0.5
07263	<0.1	<0.005	0.16	0.13	82.7	0.12	2.37	1630	<0.5
07264	<0.1	<0.005	0.15	0.06	33.2	0.12	2.62	352	<0.5
07265	<0.1	<0.005	0.04	<0.05	62.1	0.05	2.31	281	<0.5
07266	0.2	0.008	0.02	<0.05	159	<0.05	3.40	497	<0.5
07267	0.3	0.027	0.01	<0.05	296	<0.05	5.52	430	<0.5

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AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.1	0.005	0.01	0.05	0.5	0.05	0.05	0.5	0.5
07268	0.2	0.016	0.02	<0.05	212	<0.05	5.16	611	<0.5
07269	0.2	0.013	0.01	<0.05	208	<0.05	5.44	86.3	<0.5
07270	0.4	0.022	0.02	<0.05	225	<0.05	7.29	72.0	<0.5
07271	0.3	0.161	0.77	<0.05	251	<0.05	6.44	104	<0.5
07272	0.3	0.037	0.10	<0.05	272	0.08	8.28	84.9	<0.5
07273	<0.1	0.036	0.10	<0.05	83.7	0.11	5.85	16.5	<0.5
07274	0.2	0.174	0.53	<0.05	285	<0.05	8.39	107	<0.5
07275	0.2	0.373	0.83	<0.05	279	<0.05	14.2	81.9	0.7
07276	0.2	0.332	0.84	<0.05	256	<0.05	14.0	64.2	1.3
07277	0.2	0.138	0.17	<0.05	278	<0.05	8.82	62.7	1.0
07278	0.3	0.097	0.22	<0.05	251	<0.05	8.85	52.4	<0.5
07279	0.2	0.012	0.05	0.06	149	<0.05	5.52	400	<0.5
07280	0.3	<0.005	0.12	<0.05	40.0	0.10	8.35	83.7	<0.5
07281	0.4	0.035	0.05	<0.05	149	<0.05	6.23	57.4	0.5
07282	0.2	0.019	0.02	<0.05	156	<0.05	6.93	58.4	<0.5
07283	0.4	0.042	0.04	<0.05	170	<0.05	4.70	55.1	<0.5
07284	0.2	0.250	1.32	<0.05	242	<0.05	3.91	50.4	<0.5
07285	0.3	0.059	0.06	<0.05	158	<0.05	4.92	45.6	<0.5
07286	0.2	0.225	1.15	<0.05	211	0.07	2.64	75.9	<0.5
07287	<0.1	0.006	0.30	<0.05	29.9	0.28	5.62	73.7	<0.5
07288	0.1	0.052	0.77	<0.05	87.2	0.24	4.50	150	<0.5
07289	<0.1	<0.005	0.12	0.07	15.4	0.18	2.17	156	<0.5
07290	<0.1	0.031	0.53	0.63	71.4	0.30	5.42	134	<0.5
07291	0.1	0.109	0.71	1.34	142	0.08	3.41	110	<0.5
07292	0.2	0.093	0.57	<0.05	126	0.05	2.67	94.8	<0.5
07293	<0.1	<0.005	0.08	<0.05	19.9	0.13	2.54	1230	<0.5
07294	0.1	0.048	0.32	<0.05	140	0.05	3.20	85.4	<0.5
07295	0.1	0.061	0.49	<0.05	90.7	<0.05	3.94	72.6	<0.5
07296	0.1	0.079	0.65	0.07	108	0.10	4.72	51.7	<0.5
07297	0.1	0.009	0.29	0.06	43.3	0.14	4.16	72.1	<0.5
07298	0.1	0.008	0.34	<0.05	32.8	0.26	4.70	82.4	<0.5
07299	0.1	<0.005	0.38	0.08	24.2	0.36	5.72	42.6	<0.5

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AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Th	Ti	Tl	U	V	W	Y	Zn	Zr
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample Description RDL:	0.1	0.005	0.01	0.05	0.5	0.05	0.05	0.5	0.5
07300	0.2	0.181	1.43	0.09	137	0.14	4.49	55.5	<0.5
07301	0.2	0.088	0.58	<0.05	102	0.11	4.31	62.0	<0.5
07302	0.2	<0.005	0.15	<0.05	34.1	0.33	4.89	46.9	<0.5
07303	<0.1	<0.005	0.23	<0.05	11.4	0.36	6.19	289	<0.5
07304	<0.1	<0.005	1.01	<0.05	2.6	0.12	2.86	25.7	<0.5
07305	<0.1	<0.005	0.15	0.09	10.4	0.27	6.95	725	<0.5
07306	<0.1	<0.005	0.09	0.05	11.7	0.18	4.43	184	<0.5
07307	<0.1	<0.005	0.12	<0.05	20.2	0.19	4.40	137	<0.5
07308	0.2	0.087	0.72	<0.05	99.1	0.07	4.89	44.9	<0.5
07309	0.1	0.030	0.24	0.19	53.6	0.07	5.31	28.6	<0.5
07310	0.1	0.113	0.57	0.19	130	0.07	4.92	34.7	<0.5
07311	0.1	0.060	0.41	0.05	72.1	0.09	4.15	67.2	<0.5
07312	0.2	0.283	1.31	0.08	188	0.06	6.08	67.4	<0.5
07313	0.2	0.146	0.84	<0.05	128	0.06	4.46	36.9	<0.5
07314	0.2	0.137	0.69	<0.05	115	0.06	5.93	33.2	<0.5
07315	0.3	0.095	0.64	<0.05	98.4	0.07	6.59	28.8	<0.5
07316	0.2	0.102	0.72	0.31	121	0.29	8.38	30.2	<0.5
07317	<0.1	<0.005	0.10	0.07	2.2	0.14	0.44	2660	<0.5
07318	<0.1	<0.005	<0.01	<0.05	0.7	<0.05	<0.05	4.1	<0.5
07327	1.1	<0.005	0.04	0.20	<0.5	0.08	0.56	183	1.9
07328	0.3	<0.005	0.03	0.10	<0.5	0.06	0.22	178	0.7
07329	5.5	<0.005	0.12	1.49	<0.5	0.18	4.73	22.5	14.6
07330	5.4	<0.005	0.11	1.21	<0.5	0.15	3.83	24.2	11.5
07331	5.8	<0.005	0.04	0.94	18.3	0.22	2.17	799	12.0
07332	2.5	0.079	0.09	1.55	33.5	2.22	7.88	78.5	7.2
07333	1.5	0.078	0.05	3.03	26.7	18.7	10.5	72.4	11.4
07334	2.7	0.147	0.05	1.33	76.2	5.17	7.36	46.0	4.9

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Au	Pd	Pt	Au-Grav
Unit:	kg	ppm	ppm	ppm	g/t
Sample Description RDL:	0.01	0.001	0.001	0.005	0.05
10155	1.73	<0.001	0.002	<0.005	
10156	1.59	0.014	0.004	0.005	
10157	1.93	<0.001	0.002	0.011	
10158	1.53	<0.001	0.001	0.011	
10159	1.10	0.003	0.002	0.013	
10160	0.53	<0.001	<0.001	0.009	
10161	1.89	0.002	0.001	<0.005	
10162	1.51	0.002	0.001	0.005	
10163	1.41	0.003	0.002	<0.005	
10164	1.50	0.025	0.001	0.005	
10165	0.92	0.003	0.001	<0.005	
10166	0.49	<0.001	<0.001	<0.005	
10167	0.76	<0.001	<0.001	0.006	
10168	0.99	<0.001	<0.001	<0.005	
10169	1.49	0.042	0.001	0.008	
10170	1.18	0.798	<0.001	0.008	
10171	1.81	0.004	0.001	0.006	
10172	1.22	0.015	<0.001	0.007	
10173	0.97	<0.001	<0.001	<0.005	
10174	1.59	0.001	0.001	0.007	
10175	1.43	0.001	0.001	<0.005	
07001	0.70	0.001	0.001	0.006	
07002	0.56	0.006	0.002	0.006	
07003	0.79	<0.001	0.002	<0.005	
07004	1.07	<0.001	0.001	0.005	
07005	2.03	0.002	0.001	0.006	
07006	1.82	<0.001	0.001	<0.005	
07007	1.79	<0.001	<0.001	0.005	
07008	1.61	<0.001	<0.001	<0.005	
07009	1.80	0.004	0.002	0.006	
07010	2.86	<0.001	0.002	0.006	

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AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Au	Pd	Pt	Au-Grav
Unit:	kg	ppm	ppm	ppm	g/t
Sample Description RDL:	0.01	0.001	0.001	0.005	0.05
07011	0.66	<0.001	<0.001	0.007	
07012	2.01	<0.001	0.001	<0.005	
07013	2.73	<0.001	<0.001	<0.005	
07014	1.13	0.006	0.001	0.007	
07015	0.52	<0.001	<0.001	<0.005	
07016	1.89	0.004	0.001	0.006	
07017	0.62	<0.001	0.001	<0.005	
07018	0.54	<0.001	<0.001	<0.005	
07019	0.49	0.016	0.002	<0.005	
07020	2.51	0.005	<0.001	<0.005	
07021	1.14	0.008	0.001	0.005	
07022	1.57	<0.001	<0.001	0.008	
07023	1.46	<0.001	<0.001	<0.005	
07024	1.95	<0.001	<0.001	<0.005	
07025	2.11	<0.001	0.001	0.007	
07026	2.70	<0.001	0.001	<0.005	
07027	1.55	<0.001	0.001	<0.005	
07028	1.86	<0.001	0.001	<0.005	
07029	1.38	<0.001	<0.001	0.007	
07030	0.84	0.003	0.001	<0.005	
07031	1.29	0.002	<0.001	0.005	
07032	1.67	0.001	0.001	0.006	
07033	2.09	0.003	0.002	0.006	
07034	1.81	0.004	0.001	<0.005	
07035	1.63	0.015	0.003	0.006	
07036	2.10	0.002	0.001	<0.005	
07037	2.21	0.004	0.002	<0.005	
07038	1.95	0.005	0.003	<0.005	
07039	1.76	0.005	0.006	0.006	
07040	1.57	0.009	0.004	0.007	
07041	0.99	<0.001	0.001	<0.005	

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AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Au	Pd	Pt	Au-Grav
Unit:	kg	ppm	ppm	ppm	g/t
Sample Description RDL:	0.01	0.001	0.001	0.005	0.05
07042	1.45	0.006	0.002	<0.005	
07043	1.97	0.001	0.002	<0.005	
07044	2.04	0.002	0.002	0.006	
07045	1.68	0.004	0.002	0.006	
07046	1.39	0.018	0.003	<0.005	
07047	1.86	0.002	0.003	0.010	
07048	2.04	0.010	0.003	0.006	
07049	1.93	0.003	0.001	<0.005	
07050	1.90	0.002	0.001	<0.005	
07051	1.67	0.001	0.001	0.006	
07052	1.80	0.008	0.003	0.007	
07053	2.10	0.003	<0.001	<0.005	
07054	1.46	0.004	0.002	0.006	
07055	1.58	0.004	0.002	0.005	
07056	1.03	0.006	0.002	<0.005	
07057	1.31	<0.001	<0.001	0.005	
07058	1.83	0.001	<0.001	<0.005	
07059	1.85	0.009	<0.001	0.008	
07060	1.74	0.051	<0.001	0.005	
07061	1.66	0.002	<0.001	<0.005	
07062	2.03	0.001	0.001	<0.005	
07063	1.56	<0.001	0.001	0.005	
07064	1.34	0.001	<0.001	0.006	
07065	1.41	0.004	<0.001	0.008	
07066	1.63	<0.001	<0.001	<0.005	
07067	1.75	<0.001	0.001	0.006	
07068	1.29	0.008	0.001	0.006	
07069	1.58	<0.001	0.001	<0.005	
07070	1.58	0.004	0.001	0.007	
07071	0.82	<0.001	<0.001	<0.005	
07072	1.66	0.007	<0.001	<0.005	

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AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Au	Pd	Pt	Au-Grav
Unit:	kg	ppm	ppm	ppm	g/t
Sample Description RDL:	0.01	0.001	0.001	0.005	0.05
07073	1.54	0.009	0.002	0.006	
07074	1.72	0.002	<0.001	<0.005	
07075	1.72	<0.001	<0.001	0.008	
07076	1.70	0.003	0.001	0.005	
07077	1.80	0.001	0.001	<0.005	
07078	1.69	0.002	<0.001	0.007	
07079	1.55	0.002	<0.001	0.005	
07080	1.75	0.001	<0.001	<0.005	
07081	1.73	<0.001	<0.001	<0.005	
07082	1.65	<0.001	<0.001	<0.005	
07083	1.69	<0.001	<0.001	<0.005	
07084	1.46	0.010	<0.001	<0.005	
07085	1.75	0.001	<0.001	<0.005	
07086	1.54	<0.001	<0.001	<0.005	
07087	1.59	<0.001	<0.001	<0.005	
07088	1.98	0.004	<0.001	<0.005	
07089	1.49	0.002	<0.001	<0.005	
07090	1.80	<0.001	<0.001	<0.005	
07091	1.58	0.001	0.001	<0.005	
07092	1.77	<0.001	0.001	0.007	
07093	0.88	0.001	0.004	0.007	
07094	1.49	<0.001	0.010	0.008	
07095	1.06	<0.001	0.011	0.015	
07096	1.53	<0.001	0.014	0.011	
07097	1.10	<0.001	0.001	0.009	
07098	1.77	0.005	0.006	0.008	
07099	1.03	0.002	<0.001	<0.005	
07100	1.31	0.005	0.014	0.010	
07101	1.10	0.008	0.017	0.013	
07102	0.81	0.001	0.010	0.008	
07103	1.11	<0.001	0.014	0.013	

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AGAT WORK ORDER: 12V632081

PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Au	Pd	Pt	Au-Grav
Unit:	kg	ppm	ppm	ppm	g/t
Sample Description RDL:	0.01	0.001	0.001	0.005	0.05
07104	1.34	0.016	0.015	0.008	
07105	0.64	<0.001	0.013	0.022	
07106	1.84	0.004	0.013	0.012	
07107	1.72	0.004	0.012	0.011	
07108	1.72	0.005	0.009	0.007	
07109	1.82	0.003	0.010	0.010	
07110	1.82	0.001	0.012	0.012	
07111	1.73	<0.001	0.012	0.010	
07112	1.02	<0.001	0.011	0.008	
07113	0.73	<0.001	0.010	0.009	
07114	2.15	0.003	0.010	0.009	
07115	0.65	0.005	<0.001	<0.005	
07116	0.27	0.005	0.002	0.007	
07117	1.68	0.011	<0.001	<0.005	
07118	2.04	0.092	<0.001	0.007	
07119	1.66	0.003	0.001	0.007	
07120	1.77	0.004	0.001	0.006	
07121	1.67	0.005	<0.001	0.005	
07122	1.25	0.003	<0.001	0.006	
07123	1.95	0.003	0.007	0.008	
07124	0.40	0.003	0.008	0.011	
07125	1.48	0.004	0.013	0.014	
07126	0.60	0.009	0.011	0.011	
07127	0.95	0.009	0.009	0.011	
07128	2.03	0.021	0.006	0.006	
07129	1.91	0.007	0.002	0.007	
07130	1.49	0.006	0.002	<0.005	
07131	1.37	0.009	0.001	<0.005	
07132	0.40	0.004	0.001	0.006	
07133	0.86	0.003	0.003	0.008	
07134	1.79	0.008	0.003	0.006	

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Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Au	Pd	Pt	Au-Grav
Unit:	kg	ppm	ppm	ppm	g/t
Sample Description RDL:	0.01	0.001	0.001	0.005	0.05
07135	1.76	0.005	0.003	0.009	
07136	1.78	0.004	0.007	<0.005	
07137	1.79	0.003	0.011	0.013	
07138	1.74	0.003	0.003	0.007	
07139	1.61	0.005	0.002	0.009	
07140	0.34	0.001	0.003	0.010	
07141	1.34	0.005	0.002	<0.005	
07142	1.65	0.040	0.006	0.008	
07143	1.72	0.004	0.004	0.007	
07144	2.03	0.002	0.003	0.007	
07145	1.82	0.013	0.010	0.011	
07146	1.66	0.015	0.009	0.012	
07147	1.93	0.014	0.009	0.014	
07148	1.27	0.003	0.009	0.021	
07149	0.99	0.003	0.009	0.014	
07150	1.78	0.001	0.009	0.015	
07151	1.57	0.052	0.012	0.013	
07152	1.79	0.004	0.012	0.014	
07153	2.03	0.006	0.009	0.012	
07154	2.61	0.006	0.002	0.007	
07155	0.99	0.008	0.004	0.007	
07156	1.38	0.007	0.004	0.009	
07157	0.79	0.020	0.003	0.009	
07158	1.46	0.005	0.020	0.013	
07159	1.79	0.006	0.021	0.011	
07160	1.86	0.004	0.023	0.011	
07161	1.89	0.001	0.009	0.011	
07162	1.80	0.002	0.005	0.008	
07163	1.83	0.003	0.004	0.009	
07164	1.70	0.008	0.005	0.008	
07165	1.80	0.017	0.004	0.010	

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Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Au	Pd	Pt	Au-Grav
Unit:	kg	ppm	ppm	ppm	g/t
Sample Description RDL:	0.01	0.001	0.001	0.005	0.05
07166	1.78	0.044	0.002	0.006	
07167	1.67	0.026	0.002	<0.005	
07168	1.91	0.011	0.002	<0.005	
07169	1.79	0.002	0.003	0.009	
07170	1.54	0.019	0.003	0.006	
07171	0.39	0.045	0.002	0.009	
07172	0.68	0.007	0.002	0.009	
07173	0.99	0.011	0.002	0.007	
07174	2.12	0.006	<0.001	<0.005	
07175	0.54	0.006	0.001	0.006	
07176	1.08	0.008	<0.001	0.006	
07177	1.53	0.011	0.004	0.007	
07178	1.89	0.005	0.003	0.010	
07179	1.24	0.004	0.001	0.007	
07180	2.44	0.005	<0.001	0.007	
07181	1.80	0.022	<0.001	0.007	
07182	1.92	0.022	0.001	0.008	
07183	1.21	0.004	<0.001	0.007	
07184	1.94	0.013	<0.001	0.009	
07185	2.23	0.068	<0.001	<0.005	
07186	1.80	0.057	<0.001	<0.005	
07187	1.81	0.007	<0.001	<0.005	
07188	1.83	0.010	<0.001	0.005	
07189	1.72	0.024	0.003	0.007	
07190	1.17	0.003	<0.001	0.005	
07191	1.22	0.003	<0.001	0.007	
07192	1.82	0.004	0.002	0.007	
07193	1.20	0.006	<0.001	<0.005	
07194	1.43	0.008	<0.001	0.008	
07195	1.62	0.010	<0.001	0.007	
07196	1.24	0.012	0.001	0.006	

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Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Au	Pd	Pt	Au-Grav
Unit:	kg	ppm	ppm	ppm	g/t
Sample Description RDL:	0.01	0.001	0.001	0.005	0.05
07197	1.42	0.005	<0.001	0.005	
07198	0.92	0.007	<0.001	0.006	
07199	1.50	0.002	<0.001	<0.005	
07200	0.90	0.004	<0.001	0.005	
07201	1.15	0.001	<0.001	<0.005	
07202	1.52	0.003	<0.001	0.005	
07203	1.69	0.005	<0.001	0.007	
07204	2.08	0.002	<0.001	<0.005	
07205	1.68	0.002	<0.001	<0.005	
07206	1.94	0.002	<0.001	<0.005	
07207	1.90	0.014	<0.001	<0.005	
07208	1.81	0.005	<0.001	0.006	
07209	1.59	0.003	<0.001	0.005	
07210	0.74	0.004	<0.001	0.007	
07211	1.54	0.004	<0.001	0.006	
07212	1.92	0.002	<0.001	<0.005	
07213	1.84	0.002	<0.001	0.005	
07214	1.90	0.001	<0.001	0.006	
07215	1.05	<0.001	<0.001	<0.005	
07216	0.69	<0.001	<0.001	<0.005	
07217	1.11	0.003	<0.001	0.005	
07218	0.81	0.001	<0.001	0.005	
07219	2.16	0.021	<0.001	0.007	
07220	2.00	0.003	<0.001	<0.005	
07221	1.43	0.006	<0.001	0.006	
07222	1.73	0.008	0.001	0.005	
07223	1.43	0.004	<0.001	0.005	
07224	1.23	0.074	<0.001	<0.005	
07225	0.97	0.020	<0.001	0.005	
07226	1.80	0.011	<0.001	<0.005	
07227	1.77	0.007	<0.001	<0.005	

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Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Au	Pd	Pt	Au-Grav
Unit:	kg	ppm	ppm	ppm	g/t
Sample Description RDL:	0.01	0.001	0.001	0.005	0.05
07228	1.76	0.048	<0.001	0.005	
07229	0.91	0.012	<0.001	0.006	
07230	0.90	0.006	<0.001	<0.005	
07231	1.84	0.006	<0.001	0.006	
07232	1.83	0.003	<0.001	<0.005	
07233	1.18	0.004	<0.001	<0.005	
07234	2.07	0.009	<0.001	0.007	
07235	2.19	0.002	<0.001	0.007	
07236	1.70	0.007	<0.001	<0.005	
07237	1.68	0.002	<0.001	0.006	
07238	1.97	0.001	<0.001	<0.005	
07239	1.79	0.004	<0.001	0.007	
07240	1.74	0.002	<0.001	0.007	
07241	1.88	0.002	<0.001	0.006	
07242	1.91	0.001	<0.001	<0.005	
07243	1.37	0.001	<0.001	<0.005	
07244	1.94	0.003	0.001	<0.005	
07245	0.93	<0.001	<0.001	0.006	
07246	1.54	<0.001	0.002	0.006	
07247	1.75	<0.001	<0.001	0.009	
07248	0.98	<0.001	<0.001	0.005	
07249	1.71	0.005	<0.001	<0.005	
07250	1.58	0.002	<0.001	0.008	
07251	1.68	0.004	0.003	0.009	
07252	1.66	0.005	0.004	0.007	
07253	2.45	0.002	0.002	<0.005	
07254	1.64	0.005	<0.001	<0.005	
07255	1.31	0.007	<0.001	0.007	
07256	1.17	0.003	0.002	0.010	
07257	1.87	0.005	0.002	0.008	
07258	1.77	0.002	0.002	0.009	

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Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Au	Pd	Pt	Au-Grav
Unit:	kg	ppm	ppm	ppm	g/t
Sample Description RDL:	0.01	0.001	0.001	0.005	0.05
07259	1.72	0.003	0.002	0.005	
07260	1.76	0.001	0.002	<0.005	
07261	1.71	0.001	0.002	0.014	
07262	2.19	0.004	0.002	<0.005	
07263	1.59	0.008	0.001	0.006	
07264	1.97	0.002	0.001	<0.005	
07265	1.68	0.003	0.002	0.009	
07266	2.03	0.002	<0.001	<0.005	
07267	1.77	<0.001	<0.001	0.006	
07268	1.85	0.005	0.003	0.006	
07269	1.88	0.004	0.003	0.009	
07270	1.72	0.001	<0.001	<0.005	
07271	1.81	<0.001	0.003	0.008	
07272	1.45	<0.001	0.001	<0.005	
07273	0.48	0.001	<0.001	<0.005	
07274	1.79	0.002	0.002	0.006	
07275	1.83	<0.001	0.002	<0.005	
07276	1.88	<0.001	0.001	<0.005	
07277	1.77	0.002	<0.001	0.005	
07278	1.74	<0.001	<0.001	0.005	
07279	1.22	0.001	0.002	<0.005	
07280	0.59	0.003	<0.001	<0.005	
07281	1.79	0.001	<0.001	0.005	
07282	0.48	<0.001	<0.001	0.005	
07283	2.03	0.004	<0.001	0.006	
07284	0.92	0.002	<0.001	<0.005	
07285	1.81	0.001	<0.001	<0.005	
07286	1.96	<0.001	<0.001	<0.005	
07287	0.74	0.003	<0.001	<0.005	
07288	1.80	0.004	<0.001	0.006	
07289	0.36	0.004	<0.001	0.006	

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DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Au	Pd	Pt	Au-Grav
Unit:	kg	ppm	ppm	ppm	g/t
Sample Description RDL:	0.01	0.001	0.001	0.005	0.05
07290	2.36	0.003	0.001	0.009	
07291	1.86	0.004	<0.001	<0.005	
07292	0.84	0.002	0.001	<0.005	
07293	0.26	0.002	<0.001	0.006	
07294	1.16	0.036	<0.001	<0.005	
07295	1.39	0.002	<0.001	<0.005	
07296	1.74	0.005	0.001	<0.005	
07297	1.78	0.003	0.002	<0.005	
07298	0.95	0.002	0.002	0.006	
07299	1.06	0.002	0.005	0.009	
07300	1.42	0.003	<0.001	0.005	
07301	1.45	0.004	<0.001	0.005	
07302	1.50	0.009	0.002	0.008	
07303	0.65	0.006	0.003	<0.005	
07304	0.50	0.018	0.001	0.006	
07305	1.07	0.016	0.002	<0.005	
07306	1.73	0.014	0.002	<0.005	
07307	1.48	0.006	0.001	<0.005	
07308	0.62	0.012	0.001	<0.005	
07309	0.31	0.010	0.002	<0.005	
07310	0.52	0.015	<0.001	<0.005	
07311	1.33	0.008	<0.001	<0.005	
07312	1.54	0.003	0.004	<0.005	
07313	1.41	0.021	0.001	<0.005	
07314	1.81	0.005	<0.001	<0.005	
07315	1.94	0.001	0.002	<0.005	
07316	0.53	0.003	<0.001	<0.005	
07317	1.02	0.004	<0.001	<0.005	
07318	0.33	0.021	<0.001	<0.005	
07327	0.07	>10	0.002	<0.005	29.5
07328	0.06	>10	0.003	0.006	21.0

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Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight	Au	Pd	Pt	Au-Grav
Unit:	kg	ppm	ppm	ppm	g/t
Sample Description RDL:	0.01	0.001	0.001	0.005	0.05
07329	0.06	2.36	<0.001	0.007	
07330	0.06	2.09	<0.001	<0.005	
07331	0.83	0.110	0.002	<0.005	
07332	0.07	1.01	0.123	0.238	
07333	0.07	1.61	<0.001	<0.005	
07334	0.07	0.344	<0.001	<0.005	

Comments: RDL - Reported Detection Limit

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Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	LOI
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample Description RDL:	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
10155	16.4	0.087	0.164	0.105	7.13	3.50	0.625	0.022	1.54	0.092	61.6	0.702	0.017	5.56
10156	16.3	0.082	0.350	0.050	7.33	2.57	1.37	0.021	1.80	0.138	62.1	0.798	0.030	5.18
10157	15.3	0.086	0.982	0.285	7.37	2.50	1.54	0.068	1.63	0.175	61.8	0.787	0.036	5.31
10158	16.3	0.084	0.383	0.028	6.59	2.49	1.42	0.059	1.80	0.143	63.6	0.802	0.034	5.13
10159	15.1	0.090	0.813	0.048	7.11	3.01	1.16	0.050	1.35	0.225	62.9	0.816	0.032	6.36
10160	13.5	0.092	7.82	0.574	8.53	2.91	3.78	0.241	1.04	0.153	47.0	0.734	0.042	11.6
10161	12.5	0.076	3.72	0.070	5.36	2.33	2.09	0.106	1.25	0.155	62.7	0.607	0.032	7.07
10162	13.2	0.068	1.98	0.233	7.17	2.53	1.61	0.067	1.58	0.106	63.0	0.616	0.025	5.20
10163	13.4	0.078	4.88	0.072	6.41	3.08	1.88	0.080	1.00	0.124	60.3	0.623	0.031	8.23
10164	14.8	0.080	2.78	0.041	5.85	2.87	1.97	0.054	0.922	0.137	61.6	0.729	0.030	6.50
10165	15.2	0.087	1.37	0.366	7.52	3.40	1.82	0.077	0.807	0.132	60.1	0.747	0.018	6.39
10166	7.07	0.048	0.773	0.333	3.77	1.26	0.444	0.064	0.299	0.057	80.7	0.342	0.005	3.07
10167	8.63	0.056	7.58	0.069	5.97	2.54	1.14	0.171	0.347	0.104	60.8	0.465	0.017	9.69
10168	12.0	0.090	0.396	0.045	5.35	3.50	0.980	0.035	0.382	0.120	72.6	0.708	0.008	3.88
10169	12.9	0.090	2.79	0.686	7.50	1.77	0.762	0.203	1.15	0.116	63.0	0.699	0.021	6.28
10170	4.22	0.006	3.03	0.070	3.53	0.119	0.109	0.093	0.226	0.035	82.6	0.240	0.021	6.30
10171	15.8	0.098	3.46	0.158	7.93	1.94	0.941	0.229	0.253	0.116	59.0	0.762	0.020	10.1
10172	6.78	0.007	28.9	0.449	5.57	0.117	1.01	0.836	3.43	0.030	25.9	0.219	0.271	24.6
10173	18.8	0.050	4.06	0.452	8.03	1.06	0.654	0.190	3.25	0.127	51.5	0.867	0.029	8.96
10174	16.9	0.048	2.17	0.069	6.16	0.925	0.258	0.113	2.71	0.152	61.2	0.771	0.023	7.13
10175	15.9	0.096	0.586	0.267	8.02	2.15	0.688	0.124	0.299	0.145	62.0	0.878	0.009	7.96
07001	11.8	0.034	0.257	0.117	6.01	0.683	0.204	0.083	0.195	0.092	71.9	0.605	<0.005	6.79
07002	13.1	0.089	0.597	0.206	6.35	3.65	0.655	0.126	0.339	0.127	67.5	0.668	0.011	4.77
07003	14.0	0.117	1.20	0.055	5.77	4.03	0.951	0.080	0.340	0.128	67.0	0.693	0.012	5.17
07004	15.9	0.081	1.21	0.057	6.34	3.62	1.78	0.188	0.478	0.266	63.7	0.955	0.023	5.52
07005	12.5	0.071	3.02	0.245	6.03	3.07	2.32	0.089	0.389	0.129	61.9	0.635	0.020	8.09
07006	13.8	0.081	2.76	0.140	6.66	3.83	1.91	0.073	0.392	0.106	59.2	0.624	0.019	7.80
07007	14.9	0.088	2.23	0.091	5.40	3.89	1.82	0.092	0.415	0.116	63.5	0.736	0.017	7.50
07008	15.1	0.092	1.02	0.053	5.74	4.06	1.79	0.066	0.382	0.104	63.9	0.766	0.017	6.79
07009	13.2	0.052	5.66	0.141	7.44	1.06	1.47	0.132	2.07	0.127	55.9	0.645	0.047	10.2
07010	11.5	0.089	5.64	0.047	5.96	1.89	2.41	0.171	2.84	0.214	60.3	0.831	0.066	8.09
07011	12.2	0.090	1.71	0.343	7.22	3.35	2.09	0.090	0.328	0.159	63.1	0.648	0.032	6.91

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	LOI
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample Description RDL:	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
07012	14.2	0.146	1.70	0.678	8.23	4.16	2.42	0.120	0.347	0.202	57.8	0.640	0.019	6.97
07013	14.2	0.155	1.88	0.045	5.80	4.39	1.91	0.065	0.228	0.129	62.6	0.694	0.019	5.82
07014	14.3	0.022	4.38	0.052	5.65	0.528	1.96	0.168	0.210	0.104	58.7	0.635	0.029	12.5
07015	16.5	0.029	1.89	0.044	2.57	0.142	0.806	0.092	0.225	0.073	66.9	0.311	0.013	9.44
07016	14.2	0.017	6.60	0.311	5.86	0.253	1.89	0.222	0.730	0.098	56.8	0.420	0.036	13.2
07017	15.7	0.017	4.07	0.116	4.57	0.232	1.72	0.172	8.43	0.099	55.7	0.601	0.074	6.10
07018	19.9	0.006	0.940	0.408	0.460	0.062	0.189	0.062	7.46	0.007	66.2	0.007	0.050	2.07
07019	10.3	0.005	12.3	0.138	15.0	0.074	5.24	0.519	3.94	<0.005	35.2	0.097	0.100	14.6
07020	15.5	0.017	5.43	0.140	5.14	0.256	1.70	0.168	5.50	0.122	55.3	0.594	0.063	8.54
07021	11.0	0.027	15.5	0.579	6.96	0.504	1.46	0.168	0.368	0.130	44.2	0.699	0.028	17.0
07022	3.92	0.028	37.4	0.185	2.53	1.19	1.54	0.104	0.126	0.083	20.5	0.201	0.051	31.0
07023	9.35	0.064	16.5	0.470	5.32	2.81	1.45	0.089	0.171	0.102	45.0	0.454	0.029	15.8
07024	13.6	0.097	6.27	0.442	6.76	4.00	2.04	0.095	0.225	0.136	56.4	0.692	0.031	9.56
07025	6.55	0.046	31.5	0.104	2.97	1.94	1.84	0.077	0.169	0.110	24.6	0.316	0.103	27.3
07026	12.9	0.099	8.98	0.085	5.16	3.65	1.97	0.090	0.637	0.128	55.2	0.589	0.044	11.2
07027	14.5	0.118	2.05	0.158	6.19	3.84	2.00	0.071	1.08	0.124	60.8	0.715	0.022	6.89
07028	16.5	0.067	1.20	0.553	8.51	1.72	1.40	0.073	6.52	0.152	55.2	0.817	0.067	5.29
07029	16.9	0.026	1.33	0.053	7.40	0.642	1.00	0.029	8.11	0.371	56.9	0.891	0.063	5.22
07030	15.7	0.029	3.43	0.023	6.18	0.727	2.11	0.089	7.97	0.102	54.6	0.705	0.073	6.18
07031	15.0	0.035	2.84	0.031	5.64	1.56	1.43	0.055	5.59	0.122	58.0	0.603	0.050	5.92
07032	15.9	0.093	0.964	0.169	6.59	3.44	1.80	0.070	0.347	0.125	62.4	0.803	0.028	8.15
07033	14.3	0.087	2.83	0.197	6.82	3.41	1.95	0.075	0.323	0.101	58.0	0.666	0.034	9.21
07034	12.4	0.072	2.57	0.286	5.75	3.04	1.46	0.064	0.351	0.068	64.2	0.612	0.021	6.92
07035	12.6	0.092	4.10	0.218	6.17	3.02	1.87	0.070	0.728	0.111	59.9	0.657	0.026	9.22
07036	12.1	0.105	4.51	0.486	6.02	2.87	2.94	0.090	1.05	0.458	55.6	0.535	0.025	10.9
07037	10.8	0.095	5.86	0.022	3.76	2.36	3.57	0.057	1.09	0.496	58.9	0.518	0.025	10.4
07038	14.1	0.094	4.94	0.021	5.56	2.85	3.20	0.067	1.52	0.350	54.4	0.693	0.029	10.3
07039	8.74	0.074	4.54	0.029	3.40	2.22	2.65	0.064	0.476	0.136	66.8	0.521	0.019	8.71
07040	9.90	0.079	7.77	0.025	4.81	2.44	4.14	0.094	0.517	0.242	53.9	0.477	0.025	13.5
07041	15.3	0.099	1.08	0.017	6.53	3.17	2.06	0.056	0.470	0.146	59.5	0.765	0.019	8.37
07042	14.5	0.116	2.60	0.019	6.46	3.70	2.33	0.065	0.431	0.195	59.7	0.734	0.020	8.51
07043	14.0	0.124	2.55	0.017	5.42	3.98	2.13	0.055	0.255	0.149	60.6	0.702	0.020	8.14

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	LOI
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample Description RDL:	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
07044	9.97	0.097	5.21	0.023	3.57	3.00	3.55	0.080	0.138	0.213	61.9	0.592	0.019	9.23
07045	10.8	0.109	5.29	0.023	4.20	3.08	3.04	0.082	0.279	0.236	60.7	0.615	0.030	9.18
07046	12.2	0.126	4.52	0.022	4.79	3.80	2.85	0.087	0.160	0.259	60.1	0.640	0.026	8.05
07047	9.58	0.117	5.92	0.021	3.77	2.23	3.14	0.055	0.652	0.474	61.2	0.494	0.026	10.6
07048	10.9	0.095	9.49	0.024	4.37	2.35	2.11	0.064	1.34	0.189	54.4	0.531	0.042	12.4
07049	12.0	0.068	6.88	0.016	5.07	1.90	1.76	0.052	1.88	0.094	57.0	0.595	0.041	10.4
07050	12.7	0.070	3.21	0.017	5.36	2.00	1.75	0.047	1.15	0.124	63.1	0.664	0.032	7.97
07051	15.2	0.082	2.97	0.018	5.54	2.23	1.93	0.053	0.861	0.105	59.7	0.783	0.045	8.77
07052	15.8	0.095	4.31	0.029	5.51	2.90	2.13	0.093	1.06	0.160	54.9	0.816	0.037	9.72
07053	14.2	0.081	2.79	0.018	5.95	2.27	2.19	0.061	1.39	0.117	61.2	0.739	0.030	6.86
07054	14.7	0.066	1.16	0.046	6.66	1.78	1.49	0.039	0.956	0.140	63.9	0.547	0.023	6.12
07055	10.5	0.074	5.30	0.038	4.21	2.02	1.77	0.057	0.855	0.107	62.3	0.486	0.030	9.82
07056	11.3	0.079	4.16	0.015	5.21	2.08	2.40	0.073	0.469	0.112	64.0	0.549	0.034	10.2
07057	11.6	0.106	2.63	0.198	5.73	3.15	1.97	0.083	0.291	0.115	66.3	0.534	0.022	6.34
07058	15.6	0.168	1.50	0.478	8.17	4.37	2.29	0.093	0.636	0.190	57.8	0.717	0.021	6.37
07059	14.0	0.079	3.04	0.023	5.93	1.52	2.01	0.103	5.58	0.110	57.7	0.630	0.044	6.92
07060	13.0	0.456	2.69	0.147	5.74	2.06	1.94	0.091	3.62	0.120	60.3	0.547	0.038	7.85
07061	16.0	0.155	3.37	0.062	6.47	4.47	2.23	0.079	0.973	0.143	56.3	0.756	0.028	7.39
07062	15.6	0.084	0.909	0.258	6.84	3.64	1.92	0.062	0.282	0.141	60.7	0.748	0.017	7.02
07063	13.8	0.060	1.58	0.190	6.00	2.82	1.50	0.061	0.232	0.138	63.0	0.621	0.016	7.99
07064	12.9	0.057	4.90	0.018	5.05	2.57	2.18	0.069	0.305	0.267	61.1	0.621	0.025	10.7
07065	13.8	0.047	6.66	0.192	5.50	2.42	2.14	0.035	0.542	0.526	54.3	0.605	0.037	11.5
07066	12.3	0.049	9.37	0.042	4.67	2.44	2.67	0.036	0.536	0.585	51.0	0.582	0.038	14.5
07067	11.9	0.051	9.11	0.179	4.37	2.41	2.69	0.042	0.396	0.570	53.4	0.561	0.035	14.5
07068	8.73	0.039	10.6	0.016	3.91	1.94	2.96	0.040	0.232	0.520	53.0	0.429	0.029	15.4
07069	9.82	0.042	12.0	0.039	3.84	2.31	3.22	0.070	0.300	0.525	49.5	0.521	0.038	16.2
07070	11.1	0.050	10.0	0.031	3.96	2.57	2.69	0.030	0.253	0.664	53.1	0.568	0.032	14.2
07071	8.43	0.036	16.1	0.192	4.02	1.80	1.94	0.052	0.291	0.467	47.1	0.419	0.049	16.8
07072	10.8	0.052	12.8	0.039	4.20	2.46	2.70	0.042	0.347	0.905	48.0	0.525	0.045	15.3
07073	11.9	0.056	11.4	0.112	4.66	2.54	2.79	0.044	0.573	0.710	47.9	0.577	0.043	15.1
07074	12.4	0.012	12.6	0.072	4.78	2.34	0.713	0.015	0.700	0.179	47.7	0.129	0.014	13.8
07075	11.5	0.009	13.6	0.133	4.32	2.31	0.514	0.022	0.670	0.140	46.6	0.077	0.008	15.1

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	LOI
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample Description RDL:	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
07076	10.3	0.047	10.2	0.065	3.88	2.09	2.74	0.034	0.621	0.590	53.3	0.513	0.039	13.8
07077	10.9	0.047	11.3	0.032	4.13	2.13	2.90	0.036	0.746	0.680	50.7	0.541	0.042	14.0
07078	10.6	0.046	10.9	0.089	4.47	2.05	2.89	0.041	0.583	0.597	51.1	0.522	0.038	13.9
07079	9.62	0.046	12.7	0.018	3.97	2.02	2.88	0.042	0.559	0.561	51.5	0.462	0.041	15.7
07080	10.8	0.047	10.0	0.094	4.48	2.19	2.78	0.042	0.636	0.592	52.9	0.526	0.038	14.3
07081	12.0	0.052	11.4	0.101	4.48	2.41	3.08	0.038	0.563	0.664	49.3	0.589	0.046	14.1
07082	10.2	0.045	12.1	0.032	4.19	2.10	3.05	0.042	0.652	0.558	49.0	0.492	0.039	15.3
07083	11.3	0.052	9.74	0.035	4.16	2.51	2.74	0.034	0.643	0.712	51.4	0.567	0.041	13.9
07084	10.7	0.051	13.4	0.151	4.53	2.86	2.44	0.071	0.282	0.541	45.9	0.529	0.047	16.4
07085	10.8	0.048	9.24	0.457	6.12	2.53	2.36	0.078	0.540	0.623	53.3	0.545	0.040	13.6
07086	11.6	0.045	9.11	0.253	4.99	2.34	2.46	0.051	0.888	0.577	51.7	0.527	0.037	13.6
07087	11.7	0.051	9.68	0.406	6.38	2.60	2.73	0.078	0.744	0.684	49.3	0.589	0.036	13.1
07088	13.1	0.060	8.14	0.340	6.02	3.66	3.03	0.065	0.277	0.751	48.7	0.655	0.031	13.2
07089	10.7	0.053	11.0	0.031	4.06	3.06	2.67	0.053	0.200	0.631	50.2	0.515	0.037	15.2
07090	10.8	0.063	12.2	0.161	4.58	3.27	2.83	0.048	0.156	0.683	48.3	0.530	0.038	15.1
07091	12.2	0.089	13.4	0.129	4.75	3.66	2.68	0.054	0.186	0.744	45.0	0.602	0.050	15.0
07092	11.2	0.090	9.76	0.051	4.51	3.48	3.92	0.053	0.138	0.665	49.7	0.538	0.034	13.9
07093	7.31	0.059	4.98	0.061	4.69	2.06	4.16	0.055	0.081	0.177	66.4	0.301	0.019	9.93
07094	8.03	0.065	11.1	0.168	6.24	2.36	8.21	0.237	0.816	0.102	42.2	0.229	0.072	18.8
07095	6.92	0.029	11.3	0.110	5.80	1.73	7.37	0.162	0.081	0.098	45.3	0.209	0.030	19.1
07096	7.00	0.010	8.89	0.249	6.67	1.00	9.16	0.149	0.053	0.038	47.9	0.158	0.020	18.1
07097	9.89	0.063	10.1	0.035	3.80	3.06	2.84	0.046	0.120	0.569	53.7	0.526	0.032	13.5
07098	10.2	0.064	8.48	0.086	5.71	3.03	4.39	0.070	0.109	0.282	53.3	0.436	0.028	12.4
07099	10.6	0.088	8.85	0.577	6.68	3.33	3.53	0.109	0.144	0.669	49.2	0.542	0.027	13.4
07100	7.89	0.020	4.28	0.135	7.23	0.621	10.1	0.091	0.033	0.033	56.4	0.164	0.015	11.2
07101	7.11	<0.005	4.88	0.169	7.57	0.099	11.7	0.132	0.005	0.037	44.2	0.148	0.020	22
07102	5.60	0.057	10.5	0.150	5.82	2.13	10.1	0.424	0.424	0.035	44.5	0.159	0.080	18.6
07103	7.34	0.035	3.74	0.203	7.60	1.72	11.8	0.144	0.471	0.017	48.8	0.175	0.030	16.1
07104	7.21	0.055	8.13	0.156	7.62	2.51	9.17	0.246	0.518	0.055	51.7	0.171	0.057	13.1
07105	7.19	0.032	5.73	0.233	7.06	1.49	9.34	0.101	0.127	0.022	51.0	0.150	0.025	16.2
07106	9.48	0.024	9.09	0.247	8.97	1.44	11.2	0.137	0.126	0.031	44.1	0.193	0.033	15.7
07107	8.80	0.016	8.19	1.14	14.9	1.07	9.54	0.248	0.251	0.054	40.9	0.202	0.031	15.4

Certified By: Ron Cardinall

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	LOI
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample Description RDL:	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
07108	6.98	0.007	18.4	0.240	6.56	0.636	9.60	0.163	0.095	0.069	32.4	0.204	0.069	22.8
07109	6.78	<0.005	19.0	0.114	5.51	0.113	7.91	0.155	0.458	0.041	37.3	0.232	0.083	21.1
07110	8.10	<0.005	13.7	0.143	7.01	0.011	8.60	0.146	0.580	0.030	43.7	0.246	0.063	15.7
07111	9.04	<0.005	10.0	0.144	7.72	0.008	10.6	0.132	0.423	0.041	48.3	0.267	0.048	13.7
07112	6.63	<0.005	11.6	0.151	6.37	0.013	8.98	0.129	0.015	0.056	48.8	0.202	0.046	15.5
07113	8.02	<0.005	9.35	0.217	7.42	0.041	10.7	0.138	0.005	0.035	47.4	0.231	0.034	15.1
07114	7.81	0.011	9.51	0.145	6.72	0.483	9.95	0.141	0.025	0.030	47.0	0.215	0.030	16.9
07115	10.1	0.122	9.30	0.035	4.41	2.96	3.17	0.046	0.162	0.525	52.8	0.518	0.033	13.7
07116	7.02	0.085	9.59	0.047	7.73	1.35	1.51	0.204	1.70	0.391	58.2	0.423	0.089	10.9
07117	11.4	0.088	9.74	0.042	4.17	3.03	2.77	0.034	1.05	0.632	52.6	0.592	0.041	11.6
07118	11.7	0.072	10.2	0.162	5.21	3.03	2.74	0.051	0.248	0.736	52.7	0.598	0.036	11.7
07119	9.58	0.043	10.5	0.150	4.54	2.15	2.77	0.054	0.309	0.633	54.6	0.505	0.030	12.6
07120	10.8	0.057	10.9	0.035	4.00	2.97	2.81	0.037	0.140	0.768	53.4	0.539	0.031	14.0
07121	11.4	0.066	12.4	0.210	5.14	3.12	2.90	0.054	0.167	0.660	47.0	0.563	0.035	14.2
07122	8.84	0.062	11.1	0.040	3.45	2.69	2.94	0.046	0.109	0.600	54.8	0.482	0.026	13.0
07123	8.95	0.042	13.1	0.190	6.60	1.21	6.53	0.111	0.720	0.160	45.2	0.263	0.029	15.3
07124	6.65	0.011	22.5	1.26	5.79	0.412	4.92	0.361	1.26	0.320	37.8	0.320	0.055	20.1
07125	8.23	0.019	7.31	0.120	7.44	1.15	10.5	0.124	0.347	0.027	48.0	0.176	0.020	14.4
07126	8.82	0.022	10.0	0.126	8.34	1.29	9.42	0.148	0.606	0.059	45.6	0.198	0.025	15.4
07127	8.74	0.059	13.8	0.094	6.33	1.68	6.93	0.155	1.10	0.126	40.1	0.253	0.038	18.1
07128	11.0	0.087	7.73	0.064	6.79	3.03	6.29	0.146	0.121	0.068	48.8	0.538	0.017	14.9
07129	11.1	0.076	10.2	0.028	5.24	1.94	4.41	0.096	3.32	0.422	47.9	0.602	0.053	12.9
07130	11.0	0.104	14.4	0.018	5.39	2.89	5.44	0.087	1.52	0.387	36.6	0.777	0.051	19.1
07131	11.7	0.077	13.5	<0.005	6.30	3.68	4.56	0.089	0.438	0.298	39.0	1.11	0.026	17.5
07132	11.8	0.063	10.6	0.014	5.00	1.30	3.96	0.128	4.63	0.518	45.8	0.586	0.055	13.3
07133	14.5	0.087	10.6	0.031	6.24	2.17	3.76	0.107	4.69	0.611	45.3	0.728	0.059	11.3
07134	11.6	0.041	15.8	0.054	7.07	1.69	4.30	0.177	2.01	0.133	37.3	0.676	0.030	16.9
07135	10.7	0.036	14.1	0.051	4.97	1.57	5.06	0.104	0.907	0.138	42.3	0.632	0.024	17.4
07136	11.9	0.038	16.2	0.053	5.43	1.72	5.70	0.114	1.02	0.147	45.2	0.714	0.025	9.57
07137	13.0	0.032	7.48	0.083	6.76	1.37	4.62	0.114	1.76	0.061	45.4	0.611	0.011	16.6
07138	13.6	0.029	15.7	0.070	5.55	1.19	5.04	0.077	1.70	0.084	41.8	0.749	0.022	15.3
07139	13.8	0.029	4.61	0.062	4.62	0.477	2.42	0.047	5.21	0.074	60.3	0.736	0.013	5.36

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	LOI
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample Description RDL:	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
07140	15.4	0.019	3.58	0.110	6.57	0.299	2.71	0.045	6.47	0.069	60.8	0.942	0.012	3.77
07141	15.5	0.019	4.28	0.070	5.53	0.277	2.58	0.045	6.68	0.082	60.2	0.973	0.012	4.13
07142	13.9	0.043	4.01	0.075	5.31	0.877	1.61	0.044	5.52	0.080	63.3	0.761	0.011	4.03
07143	15.5	0.060	5.06	0.054	8.32	2.18	5.14	0.081	3.37	0.083	53.2	0.818	0.011	6.37
07144	14.0	0.052	7.48	0.016	9.99	1.64	6.04	0.114	2.77	0.132	46.8	1.24	0.015	8.17
07145	9.64	0.037	8.73	0.142	8.31	1.09	12.1	0.148	0.385	0.008	48.8	0.195	0.012	9.56
07146	8.46	0.010	10.2	0.151	7.64	0.884	12.5	0.153	0.192	0.021	47.3	0.147	0.014	10.8
07147	9.13	0.027	11.9	0.140	8.03	1.67	11.8	0.162	0.137	0.005	45.9	0.150	0.019	12.3
07148	8.58	0.024	9.14	0.146	7.61	1.08	12.6	0.148	0.025	0.026	50.2	0.139	0.021	11.2
07149	8.76	0.079	9.05	0.151	7.82	2.24	11.3	0.163	0.336	0.014	51.5	0.156	0.024	7.25
07150	9.69	0.084	10.9	0.160	7.65	5.40	13.6	0.372	0.923	0.008	37.9	0.264	0.038	11.1
07151	8.97	0.078	9.82	0.151	6.76	4.97	12.6	0.341	0.853	<0.005	40.3	0.242	0.035	12.3
07152	9.82	0.050	6.59	0.079	6.86	2.98	8.55	0.124	0.968	<0.005	55.0	0.164	0.017	8.16
07153	10.8	0.029	6.31	0.060	7.77	1.29	8.05	0.125	1.10	0.050	53.6	0.380	0.014	8.50
07154	12.8	0.011	8.41	0.020	9.48	0.738	5.83	0.146	2.83	0.136	54.6	1.31	0.014	5.56
07155	14.2	0.007	10.6	0.020	10.8	0.328	6.09	0.167	2.17	0.138	48.9	1.41	0.021	4.89
07156	14.0	0.012	7.40	0.016	9.36	0.534	5.84	0.134	2.55	0.138	51.7	1.38	0.028	4.59
07157	6.51	0.008	23.4	0.029	4.32	0.287	4.50	0.173	1.47	0.039	38.4	0.395	0.014	21.7
07158	6.14	0.013	7.13	0.085	5.19	0.244	7.41	0.121	1.03	0.020	64.6	0.118	0.006	7.05
07159	9.68	0.032	10.1	0.109	8.02	0.634	10.9	0.157	1.02	0.022	55.3	0.160	0.010	4.64
07160	9.86	0.033	9.22	0.088	7.59	0.743	10.0	0.141	0.956	0.014	55.5	0.186	0.008	4.21
07161	10.6	0.010	8.90	0.107	7.99	0.303	10.9	0.151	1.92	0.025	52.0	0.250	0.010	5.84
07162	13.8	0.011	9.04	0.018	9.31	0.432	6.20	0.126	2.26	0.083	49.5	1.02	0.016	6.13
07163	13.6	0.018	6.93	0.012	9.64	0.919	6.06	0.127	2.16	0.109	53.5	1.09	0.014	4.20
07164	15.8	0.016	7.56	0.027	9.29	0.920	8.80	0.146	3.55	0.072	48.3	0.709	0.012	5.69
07165	13.0	0.020	6.22	0.053	8.29	1.24	8.96	0.138	2.69	0.047	51.5	0.549	0.008	6.75
07166	13.8	0.029	6.72	0.014	9.92	1.15	6.89	0.140	2.89	0.115	49.9	1.10	0.011	5.78
07167	13.9	0.007	6.78	0.006	10.6	0.309	5.20	0.169	3.62	0.123	51.3	1.34	0.013	5.02
07168	13.2	0.011	6.76	0.033	9.04	0.721	7.31	0.138	2.18	0.066	52.1	0.870	0.021	6.30
07169	14.1	0.010	8.65	0.081	10.4	0.719	9.94	0.197	1.98	0.062	42.6	0.843	0.013	9.77
07170	13.1	0.014	6.00	0.042	9.50	0.706	5.88	0.121	2.83	0.084	52.3	0.889	0.014	6.78
07171	16.6	0.020	10.2	0.012	13.2	1.05	5.17	0.146	1.62	0.063	43.4	1.09	0.089	7.48

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	LOI
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample Description RDL:	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
07172	12.7	0.045	3.73	0.009	5.97	1.64	1.33	0.050	3.37	0.102	65.4	0.839	0.009	4.57
07173	13.8	0.036	5.46	0.011	9.62	1.31	3.50	0.101	3.71	0.099	52.2	1.04	0.010	7.00
07174	13.2	0.024	4.34	<0.005	8.71	0.879	1.52	0.109	4.85	0.189	57.1	1.21	0.007	5.72
07175	12.2	0.030	5.80	<0.005	7.79	1.15	1.17	0.119	3.42	0.165	57.4	1.14	0.009	8.97
07176	12.3	0.024	3.54	<0.005	7.77	0.880	1.94	0.115	3.20	0.194	60.6	1.14	0.005	5.92
07177	14.7	0.017	5.78	0.030	10.3	0.437	4.40	0.135	3.27	0.174	54.2	1.20	0.011	5.68
07178	14.7	0.011	8.15	0.043	11.4	0.171	6.00	0.155	2.04	0.124	48.6	1.20	0.022	5.85
07179	13.8	0.026	10.2	0.020	9.96	0.434	4.33	0.156	0.972	0.111	54.7	1.12	0.041	5.11
07180	14.2	0.012	7.53	0.012	9.90	0.182	4.89	0.140	2.39	0.122	53.1	1.28	0.021	4.43
07181	13.8	<0.005	7.99	0.013	9.53	0.020	5.13	0.138	2.02	0.105	54.6	1.11	0.024	4.58
07182	13.7	0.014	8.77	0.018	10.8	0.112	4.75	0.188	2.65	0.118	50.7	1.33	0.025	5.26
07183	15.4	0.010	8.92	0.013	11.0	0.070	6.07	0.184	3.73	0.148	50.2	1.54	0.022	4.37
07184	11.4	0.104	4.74	0.007	9.18	0.666	3.52	0.124	1.84	0.099	59.7	1.02	0.014	4.71
07185	12.8	0.093	4.36	<0.005	9.25	1.02	3.74	0.139	3.14	0.183	57.6	1.24	0.012	4.65
07186	12.8	0.055	4.70	0.008	10.7	1.25	5.11	0.185	2.57	0.113	52.9	1.32	0.012	6.40
07187	14.3	0.057	4.55	0.006	12.2	0.996	5.92	0.183	2.53	0.137	51.2	1.61	0.016	5.49
07188	12.7	0.071	3.56	0.005	10.0	1.50	3.20	0.211	3.25	0.125	57.5	1.39	0.008	4.46
07189	14.3	0.014	3.51	0.025	11.5	0.227	5.58	0.160	4.73	0.123	51.9	1.32	0.011	5.11
07190	11.9	0.045	3.73	0.005	8.32	0.578	3.82	0.112	3.57	0.107	59.0	1.18	0.008	5.79
07191	13.9	0.045	3.62	0.007	11.6	0.828	5.89	0.125	4.00	0.121	52.0	1.39	0.009	7.05
07192	13.0	0.042	3.09	0.016	9.66	1.33	8.70	0.132	2.51	0.104	51.2	1.10	0.008	9.01
07193	10.9	0.072	1.79	<0.005	9.02	3.03	6.51	0.106	0.152	0.107	52.4	1.09	0.006	13.9
07194	12.5	0.053	5.50	0.009	9.42	3.75	5.18	0.139	1.01	0.082	44.2	0.859	0.015	14.1
07195	10.8	0.052	3.89	0.013	7.95	2.69	5.33	0.133	2.03	0.105	52.1	0.995	0.016	11.6
07196	11.9	0.059	8.08	0.013	9.08	2.84	5.94	0.185	1.49	0.082	44.1	1.04	0.033	15.8
07197	11.2	0.080	9.20	0.011	6.47	3.65	4.72	0.164	0.107	0.104	49.4	1.02	0.026	13.9
07198	9.27	0.033	9.64	0.007	7.75	1.76	5.03	0.217	0.038	0.087	47.0	0.932	0.026	18.7
07199	9.29	0.042	9.93	0.008	7.17	2.85	5.36	0.218	0.054	0.065	45.3	0.843	0.031	17.7
07200	10.4	0.028	9.51	0.016	8.73	3.10	5.02	0.259	0.056	0.115	43.5	1.35	0.035	16.4
07201	11.5	0.013	5.58	0.010	9.48	2.07	3.72	0.219	0.061	0.179	49.2	1.45	0.012	14.8
07202	10.8	0.023	8.89	0.014	9.15	3.14	4.97	0.298	0.100	0.128	43.6	1.39	0.013	16.1
07203	11.2	0.027	7.14	0.010	8.49	2.84	4.02	0.249	1.24	0.139	48.9	1.21	0.021	12.1

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	LOI
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample Description RDL:	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
07204	11.1	0.023	5.64	0.008	8.76	1.97	4.54	0.188	1.67	0.094	50.1	1.03	0.013	14.4
07205	12.5	0.026	7.84	0.007	9.73	2.70	4.67	0.200	4.51	0.141	48.5	1.37	0.030	8.22
07206	12.3	0.032	6.13	0.010	10.3	2.59	4.49	0.213	4.25	0.137	51.6	1.38	0.027	7.49
07207	10.0	0.016	5.08	0.007	8.23	1.27	3.87	0.174	4.39	0.146	58.4	1.20	0.017	8.08
07208	11.2	0.018	7.22	0.007	8.32	1.32	4.26	0.190	4.15	0.101	48.1	1.14	0.021	12.0
07209	11.3	0.026	8.14	0.009	9.64	2.30	4.44	0.197	2.86	0.118	48.8	1.12	0.011	11.6
07210	9.87	0.015	9.11	0.010	10.0	1.17	3.72	0.184	3.52	0.089	47.0	0.882	0.012	11.7
07211	12.6	0.019	9.59	0.007	9.81	2.10	4.56	0.221	5.29	0.100	45.9	1.18	0.037	8.95
07212	12.4	0.019	8.72	0.007	8.79	1.57	3.70	0.203	5.77	0.108	48.6	1.19	0.050	8.14
07213	12.3	<0.005	6.82	<0.005	9.06	1.44	0.216	0.011	5.82	0.008	50.3	0.071	<0.005	7.74
07214	12.9	0.072	6.15	0.009	10.2	1.71	4.13	0.265	5.08	0.124	49.3	1.38	0.046	9.01
07215	14.9	0.100	5.69	0.010	7.27	1.53	3.97	0.252	6.27	0.078	51.3	1.30	0.058	7.92
07216	14.6	0.304	3.38	0.012	6.02	3.95	3.00	0.143	1.83	0.180	58.6	0.835	0.035	6.66
07217	13.7	0.167	4.95	0.007	10.2	2.66	4.54	0.218	3.86	0.140	48.4	1.30	0.059	8.83
07218	14.0	0.188	5.82	0.011	9.16	2.41	4.25	0.282	4.09	0.107	49.7	1.01	0.071	9.44
07219	13.6	0.156	6.43	0.009	10.5	3.55	4.41	0.211	2.35	0.092	46.3	1.08	0.057	9.31
07220	11.9	0.030	3.66	0.008	9.54	2.15	4.92	0.163	3.99	0.097	50.9	1.03	0.020	9.33
07221	11.4	0.016	5.44	0.006	9.11	0.547	5.84	0.231	4.21	0.120	51.0	1.09	0.013	9.72
07222	12.1	0.007	3.14	0.010	10.5	0.221	6.21	0.203	3.73	0.106	53.6	1.23	0.011	7.45
07223	13.6	0.014	4.19	0.013	9.67	0.665	6.68	0.224	4.41	0.095	50.4	1.08	0.014	9.51
07224	10.5	0.015	4.54	0.008	9.18	1.40	5.54	0.194	3.35	0.096	50.2	1.08	0.020	12.3
07225	13.8	0.017	4.56	0.008	11.1	0.644	6.41	0.190	4.78	0.124	48.2	1.46	0.012	9.13
07226	14.4	0.005	4.57	0.012	10.9	0.351	6.07	0.185	5.07	0.102	49.7	1.19	0.014	7.56
07227	13.6	<0.005	4.34	0.008	10.3	0.082	5.25	0.230	5.16	0.101	50.2	1.19	0.010	7.50
07228	10.8	0.021	5.80	0.010	8.56	1.04	5.14	0.208	2.45	0.105	53.3	0.987	0.008	9.70
07229	10.5	0.016	6.66	0.007	8.11	1.19	5.63	0.177	2.19	0.078	50.1	0.869	0.008	14.3
07230	12.6	<0.005	4.96	0.007	10.0	0.169	5.00	0.187	4.44	0.115	50.5	1.25	0.007	8.87
07231	12.1	0.015	6.16	0.005	8.85	0.725	4.25	0.185	3.96	0.126	51.1	1.24	0.009	9.74
07232	12.3	0.020	3.65	0.006	9.85	0.323	3.71	0.176	4.69	0.142	54.1	1.38	0.009	7.44
07233	13.6	0.034	2.86	<0.005	10.5	0.588	3.14	0.169	4.98	0.163	55.3	1.50	0.008	6.71
07234	12.5	0.030	4.59	0.007	9.57	1.77	3.49	0.206	4.13	0.126	49.5	1.30	0.016	10.3
07235	11.7	0.007	4.35	0.005	8.86	0.448	4.18	0.170	4.11	0.099	53.5	1.10	0.008	9.36

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AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	LOI
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample Description RDL:	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
07236	13.2	0.009	4.28	0.009	11.4	0.330	4.71	0.218	4.73	0.132	52.1	1.34	0.009	7.89
07237	13.2	0.019	4.88	0.007	10.7	0.482	4.71	0.190	4.61	0.115	49.7	1.28	0.010	9.30
07238	12.1	0.028	6.46	0.009	10.0	1.13	4.99	0.201	4.43	0.119	46.0	1.32	0.019	13.0
07239	12.2	0.021	5.84	0.010	8.94	0.749	3.84	0.192	2.92	0.127	48.7	1.26	0.014	13.4
07240	11.8	0.029	8.93	0.010	9.14	0.797	5.42	0.242	3.08	0.121	43.3	1.16	0.015	16.0
07241	10.7	0.021	6.77	<0.005	8.60	0.675	4.01	0.219	3.06	0.098	50.1	1.05	0.010	14.5
07242	10.6	0.017	7.60	<0.005	8.64	0.537	4.64	0.229	0.738	0.094	45.3	1.02	0.021	18.3
07243	10.8	0.013	5.50	<0.005	9.17	0.532	3.37	0.179	2.37	0.080	49.8	0.950	0.011	13.8
07244	11.9	0.032	5.02	0.007	9.39	2.55	4.97	0.195	4.27	0.092	50.8	0.990	0.018	7.86
07245	11.7	0.039	9.05	<0.005	9.36	3.27	4.43	0.186	3.71	0.081	45.2	0.873	0.030	8.82
07246	12.0	0.037	7.66	0.015	7.99	1.93	5.79	0.222	4.73	0.070	46.6	0.840	0.057	10.7
07247	12.4	0.061	6.16	0.011	9.15	2.89	5.66	0.214	4.39	0.085	48.1	0.991	0.040	8.75
07248	11.8	0.058	7.39	0.016	8.59	1.83	5.55	0.323	4.86	0.139	49.5	0.982	0.061	9.44
07249	12.7	0.044	4.61	0.005	10.4	3.20	4.22	0.245	3.86	0.112	51.2	1.38	0.027	6.41
07250	12.7	0.048	5.33	0.010	8.28	2.70	5.47	0.248	4.71	0.058	52.1	0.701	0.031	5.67
07251	13.4	0.018	4.67	0.011	8.42	1.10	5.52	0.146	3.86	0.050	52.6	0.627	0.015	7.69
07252	15.1	0.015	5.57	0.009	8.90	0.944	4.81	0.128	4.62	0.053	48.3	0.525	0.011	8.30
07253	12.7	0.009	5.18	0.012	7.57	0.335	4.93	0.176	4.22	0.048	52.9	0.493	0.012	8.21
07254	11.9	0.018	4.79	0.009	8.97	0.953	3.76	0.197	3.78	0.104	55.2	1.20	0.018	7.88
07255	14.0	0.013	4.47	<0.005	11.9	0.377	2.46	0.171	5.02	0.111	51.3	1.09	0.010	6.31
07256	14.3	0.007	5.16	0.007	10.2	0.337	3.52	0.187	4.92	0.087	49.1	0.867	0.010	8.18
07257	12.7	0.014	5.54	0.009	9.73	0.701	4.62	0.226	4.38	0.116	50.0	1.15	0.015	9.27
07258	10.8	0.020	3.57	0.006	8.49	0.662	2.87	0.146	4.26	0.099	57.6	0.953	0.008	7.95
07259	11.9	0.012	5.00	0.013	8.69	0.900	3.95	0.204	3.63	0.088	51.2	0.861	0.012	11.5
07260	10.2	0.011	6.81	0.014	7.50	1.09	3.97	0.206	3.14	0.066	49.7	0.788	0.014	14.5
07261	11.2	0.032	5.04	0.006	8.88	1.80	3.83	0.198	3.05	0.101	53.9	1.21	0.018	11.4
07262	11.2	0.022	4.46	0.011	9.05	1.53	4.15	0.238	2.61	0.087	52.5	1.03	0.013	10.9
07263	13.5	<0.005	4.12	<0.005	11.2	1.64	0.087	0.005	2.88	0.008	48.5	0.013	<0.005	10.3
07264	13.4	<0.005	7.34	<0.005	8.68	2.36	0.201	0.011	2.41	0.005	44.8	0.022	<0.005	14.1
07265	12.1	0.015	8.25	0.023	8.48	1.60	5.51	0.277	2.76	0.079	44.6	0.764	0.018	14.3
07266	11.8	0.011	6.10	0.010	8.82	0.572	3.88	0.229	3.32	0.071	52.5	0.845	0.007	10.1
07267	12.6	0.007	5.12	0.009	10.9	0.239	4.02	0.361	4.06	0.133	45.3	1.50	0.010	16.4

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	LOI
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample Description RDL:	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
07268	12.8	0.015	6.24	0.031	8.96	0.404	5.19	0.226	3.58	0.090	52.4	0.942	0.012	9.34
07269	11.1	<0.005	6.21	0.033	7.08	0.140	5.24	0.190	3.42	0.044	52.6	0.503	0.011	10.2
07270	14.2	<0.005	6.35	0.013	8.89	0.091	5.06	0.249	5.03	0.110	49.5	1.07	0.016	8.34
07271	10.4	0.011	6.12	0.052	9.77	1.19	6.76	0.256	1.62	0.054	49.7	0.732	0.013	9.80
07272	14.5	<0.005	5.06	0.007	10.7	0.163	3.68	0.177	3.92	0.091	51.0	0.933	0.010	6.78
07273	7.39	0.006	15.4	0.009	5.02	0.349	1.03	0.325	2.09	0.044	54.0	0.503	0.029	12.0
07274	10.9	0.008	5.42	0.048	10.5	0.812	7.34	0.302	2.05	0.094	51.0	1.01	0.014	8.57
07275	11.5	0.011	4.77	0.018	9.79	1.27	6.07	0.248	3.13	0.096	53.2	1.13	0.011	6.28
07276	11.5	0.013	5.69	0.015	8.49	1.22	6.61	0.289	2.86	0.096	52.4	1.01	0.013	7.57
07277	12.9	0.006	4.63	0.007	11.1	0.347	5.51	0.291	3.88	0.122	51.9	1.23	0.013	6.09
07278	11.6	0.010	5.70	0.006	8.87	0.417	3.79	0.206	3.57	0.089	54.7	0.882	0.012	7.76
07279	10.4	0.007	5.96	0.017	7.27	0.455	4.92	0.204	3.12	0.071	55.0	0.683	0.010	10.5
07280	11.2	0.021	5.17	0.005	9.09	1.89	3.60	0.213	3.06	0.126	50.2	1.14	0.022	12.6
07281	13.2	0.007	5.05	0.008	9.12	0.390	4.30	0.181	4.26	0.153	52.5	1.04	0.012	7.73
07282	12.6	0.005	11.1	0.012	8.77	0.356	5.05	0.273	3.18	0.088	43.7	0.638	0.019	12.7
07283	12.8	0.009	4.93	0.009	9.09	0.355	4.33	0.181	3.97	0.119	55.2	0.855	0.012	7.22
07284	13.1	0.021	5.07	0.013	9.63	2.16	4.62	0.162	4.66	0.093	51.8	1.08	0.016	7.45
07285	11.5	0.026	5.07	<0.005	9.59	0.980	4.02	0.198	2.94	0.105	52.8	1.06	0.013	9.22
07286	12.9	0.033	4.52	0.008	9.76	2.26	5.72	0.208	4.01	0.095	49.5	1.07	0.025	8.39
07287	11.4	0.089	6.78	0.011	10.7	2.00	4.90	0.266	3.59	0.069	48.0	0.897	0.056	11.2
07288	12.7	0.067	5.62	0.010	8.87	2.09	4.86	0.216	4.60	0.087	50.0	0.965	0.051	9.56
07289	15.7	0.040	2.59	0.007	4.25	1.13	2.16	0.088	7.71	0.059	59.5	0.439	0.048	5.54
07290	13.3	0.064	8.58	0.016	10.5	2.21	6.40	0.288	4.61	0.110	40.2	1.34	0.066	13.0
07291	11.8	0.030	5.44	0.013	10.0	1.63	5.16	0.224	4.25	0.094	47.3	1.11	0.037	11.4
07292	13.7	0.027	3.79	0.013	9.68	2.20	5.60	0.170	3.90	0.097	46.4	1.03	0.018	11.1
07293	5.59	0.022	6.81	0.015	6.23	0.929	3.64	0.244	1.74	0.046	64.8	0.407	0.023	9.51
07294	12.3	0.019	4.65	0.010	9.28	1.33	4.46	0.174	3.62	0.099	49.7	1.12	0.020	11.3
07295	12.1	0.033	7.59	0.019	9.00	2.23	5.95	0.228	4.56	0.111	45.8	1.00	0.028	12.7
07296	12.8	0.029	6.50	0.015	11.3	2.08	4.99	0.230	4.04	0.143	45.3	1.21	0.029	11.8
07297	13.5	0.068	5.62	0.021	10.9	3.38	5.90	0.284	1.92	0.096	44.3	1.07	0.029	13.5
07298	12.3	0.094	6.39	0.018	10.6	3.14	6.08	0.225	2.09	0.086	42.1	0.924	0.043	13.9
07299	12.2	0.135	7.39	0.035	9.04	3.72	5.44	0.241	0.751	0.053	44.4	0.654	0.046	14.2

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Certificate of Analysis

AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	LOI
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample Description RDL:	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
07300	13.8	0.061	5.31	0.010	11.4	3.23	4.89	0.210	3.40	0.131	46.4	1.30	0.030	10.2
07301	12.9	0.027	5.59	0.012	9.93	2.26	4.62	0.200	3.34	0.094	44.7	1.03	0.019	13.0
07302	11.4	0.032	7.15	0.023	9.19	3.45	5.00	0.190	0.360	0.093	45.9	0.886	0.021	15.7
07303	12.1	0.172	8.89	0.034	10.6	2.56	6.25	0.318	2.80	0.023	42.2	0.493	0.088	12.6
07304	5.51	0.029	5.61	0.012	5.45	0.250	3.33	0.289	2.82	0.032	66.6	0.309	0.056	8.09
07305	13.2	0.129	7.81	0.014	10.3	2.25	4.80	0.298	4.05	0.085	44.7	0.934	0.077	10.66
07306	13.8	0.053	5.63	0.016	8.44	1.21	3.83	0.181	6.17	0.106	51.5	0.926	0.069	8.03
07307	13.6	0.056	6.01	0.026	7.92	1.57	3.73	0.164	5.58	0.083	49.7	0.974	0.061	9.38
07308	13.9	0.041	5.94	0.022	7.96	1.81	3.61	0.131	5.71	0.099	48.4	0.916	0.035	9.89
07309	11.4	0.025	6.85	0.018	7.40	1.57	3.32	0.154	4.43	0.091	49.5	0.699	0.031	12.2
07310	13.2	0.033	5.57	0.005	10.8	1.84	3.69	0.182	5.47	0.128	47.2	1.44	0.032	9.62
07311	12.9	0.024	5.73	0.012	10.8	1.58	3.92	0.193	5.49	0.121	49.7	1.16	0.040	9.20
07312	13.2	0.026	6.31	0.028	10.1	3.31	5.88	0.154	4.12	0.093	46.9	1.08	0.027	8.24
07313	13.8	0.028	5.13	0.017	10.0	2.74	4.45	0.156	4.19	0.083	46.8	0.970	0.022	9.76
07314	11.8	0.034	6.35	0.008	8.52	2.83	4.34	0.153	3.17	0.088	51.3	0.841	0.020	10.9
07315	11.5	0.026	5.88	0.014	7.56	2.37	4.52	0.127	2.88	0.064	50.1	0.744	0.020	12.6
07316	12.9	0.022	6.21	0.008	9.40	2.35	4.88	0.174	3.73	0.116	45.1	1.18	0.024	11.7
07317	0.750	0.023	0.324	0.015	0.947	0.182	0.198	0.015	0.043	<0.005	96.2	0.031	<0.005	0.720
07318	0.029	<0.005	0.014	0.016	0.423	0.015	0.012	<0.005	0.005	<0.005	99.9	<0.005	<0.005	0.050
07327	0.895	0.006	0.155	0.027	22.3	0.205	0.100	0.007	0.039	0.009	56.6	0.030	<0.005	17.5
07328	0.194	<0.005	0.096	0.016	21.6	0.049	0.049	0.008	0.005	<0.005	60.8	0.011	<0.005	15.3
07329	12.7	0.090	5.39	0.031	13.9	3.25	2.53	0.080	0.441	0.191	47.4	0.564	0.014	11.0
07330	13.2	0.090	6.52	0.015	15.1	3.33	3.18	0.099	0.452	0.065	45.5	0.555	0.017	11.1
07331	6.46	0.016	0.268	0.007	8.84	0.421	4.17	0.159	0.061	0.097	72.4	0.282	<0.005	4.75
07332	9.20	0.078	8.56	0.012	20.7	1.52	1.60	0.199	1.90	0.396	49.0	0.266	0.027	4.24
07333	8.18	0.069	19.1	0.010	12.2	1.10	3.05	0.516	0.998	0.229	48.0	0.348	0.037	4.59
07334	13.5	0.066	7.86	0.006	7.51	1.42	2.58	0.199	2.58	0.151	60.5	0.431	0.046	1.64

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AGAT WORK ORDER: 12V632081
PROJECT NO:

CLIENT NAME: BARKER MINERALS LTD.

ATTENTION TO: LOUIS DOYLE

Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Total
Unit:	%
Sample Description RDL:	0.005
10155	97.5
10156	98.1
10157	97.9
10158	98.9
10159	99.1
10160	98.0
10161	98.1
10162	97.4
10163	100
10164	98.4
10165	98.0
10166	98.2
10167	97.6
10168	100
10169	98.0
10170	101
10171	101
10172	98.1
10173	98.0
10174	98.6
10175	99.1
07001	98.8
07002	98.2
07003	99.5
07004	100
07005	98.5
07006	97.4
07007	101
07008	99.9
07009	98.1
07010	100
07011	98.3

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DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Total
Unit:	%
Sample Description RDL:	0.005
07012	97.6
07013	97.9
07014	99.2
07015	99.0
07016	101
07017	97.6
07018	97.8
07019	97.5
07020	98.5
07021	98.6
07022	98.9
07023	97.6
07024	100
07025	97.6
07026	101
07027	98.6
07028	98.1
07029	98.9
07030	97.9
07031	96.9
07032	101
07033	98.0
07034	97.8
07035	98.8
07036	97.7
07037	98.0
07038	98.1
07039	98.4
07040	97.9
07041	97.6
07042	99.4
07043	98.1

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DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Total
Unit:	%
Sample Description RDL:	0.005
07044	97.6
07045	97.7
07046	97.6
07047	98.3
07048	98.3
07049	97.8
07050	98.2
07051	98.3
07052	97.6
07053	97.9
07054	97.6
07055	97.6
07056	101
07057	99.1
07058	98.4
07059	97.7
07060	98.6
07061	98.4
07062	98.2
07063	98.0
07064	101
07065	98.3
07066	98.8
07067	100
07068	97.8
07069	98.4
07070	99.2
07071	97.7
07072	98.2
07073	98.4
07074	95.5
07075	95.0

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DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Total
Unit:	%
Sample Description RDL:	0.005
07076	98.2
07077	98.2
07078	97.8
07079	100
07080	99.4
07081	98.8
07082	97.8
07083	97.8
07084	97.9
07085	100
07086	98.2
07087	98.1
07088	98.0
07089	98.4
07090	98.8
07091	98.5
07092	98.0
07093	100
07094	98.6
07095	98.2
07096	99.4
07097	98.3
07098	98.6
07099	97.7
07100	98.2
07101	98.1
07102	98.6
07103	98.2
07104	101
07105	98.7
07106	101
07107	101

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Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Total
Unit:	%
Sample Description RDL:	0.005
07108	98.2
07109	98.8
07110	98.0
07111	100
07112	98.5
07113	98.7
07114	99.0
07115	97.9
07116	99.2
07117	97.8
07118	99.2
07119	98.5
07120	100
07121	97.9
07122	98.2
07123	98.4
07124	102
07125	97.9
07126	100
07127	97.5
07128	99.6
07129	98.3
07130	97.8
07131	98.3
07132	97.8
07133	100
07134	97.8
07135	98.0
07136	97.8
07137	97.9
07138	101
07139	97.8

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DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Total
Unit:	%
Sample Description RDL:	0.005
07140	101
07141	100
07142	99.6
07143	100
07144	98.5
07145	99.2
07146	98.5
07147	101
07148	101
07149	98.8
07150	98.1
07151	97.4
07152	99.4
07153	98.1
07154	102
07155	99.7
07156	97.7
07157	101
07158	99.2
07159	101
07160	98.5
07161	99.0
07162	97.9
07163	98.4
07164	101
07165	99.5
07166	98.5
07167	98.4
07168	98.8
07169	99.4
07170	98.3
07171	100

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Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Total
Unit:	%
Sample Description RDL:	0.005
07172	99.8
07173	97.9
07174	97.9
07175	99.4
07176	97.6
07177	100
07178	98.5
07179	101
07180	98.2
07181	99.1
07182	98.4
07183	102
07184	97.1
07185	98.2
07186	98.1
07187	99.2
07188	98.0
07189	98.5
07190	98.2
07191	101
07192	99.9
07193	99.1
07194	96.8
07195	97.7
07196	101
07197	100
07198	100
07199	98.9
07200	98.5
07201	98.3
07202	98.6
07203	97.6

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DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Total
Unit:	%
Sample Description RDL:	0.005
07204	99.5
07205	100
07206	101
07207	101
07208	98.0
07209	101
07210	97.3
07211	100
07212	99.3
07213	93.8
07214	100
07215	101
07216	99.5
07217	99.0
07218	101
07219	98.1
07220	97.7
07221	98.7
07222	98.5
07223	101
07224	98.4
07225	100
07226	100
07227	98.0
07228	98.1
07229	99.8
07230	98.1
07231	98.5
07232	97.8
07233	99.6
07234	97.5
07235	97.9

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Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Total
Unit:	%
Sample Description RDL:	0.005
07236	100
07237	99.2
07238	99.8
07239	98.2
07240	100
07241	99.8
07242	97.7
07243	96.6
07244	98.1
07245	96.7
07246	98.6
07247	98.9
07248	101
07249	98.4
07250	98.1
07251	98.1
07252	97.3
07253	96.8
07254	98.8
07255	97.2
07256	96.9
07257	98.5
07258	97.4
07259	98.0
07260	98.0
07261	101
07262	97.8
07263	92.3
07264	93.3
07265	98.8
07266	98.3
07267	101

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Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Total
Unit:	%
Sample Description RDL:	0.005
07268	100
07269	96.8
07270	98.9
07271	96.5
07272	97.0
07273	98.2
07274	98.1
07275	97.5
07276	97.8
07277	98.0
07278	97.6
07279	98.6
07280	98.3
07281	98.0
07282	98.5
07283	99.1
07284	99.9
07285	97.5
07286	98.5
07287	100
07288	99.7
07289	99.3
07290	101
07291	98.5
07292	97.7
07293	100
07294	98.1
07295	101
07296	100
07297	101
07298	98.0
07299	98.3

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Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)

DATE SAMPLED: Aug 17, 2012 | DATE RECEIVED: Aug 16, 2012 | DATE REPORTED: Sep 27, 2012 | SAMPLE TYPE: Rock

Analyte:	Total
Unit:	%
Sample Description RDL:	0.005
07300	100
07301	97.7
07302	99.4
07303	99.1
07304	98.4
07305	99.3
07306	100
07307	98.9
07308	98.5
07309	97.7
07310	99.2
07311	101
07312	99.5
07313	98.1
07314	100
07315	98.4
07316	97.8
07317	99.4
07318	100
07327	97.9
07328	98.1
07329	97.6
07330	99.2
07331	97.9
07332	97.7
07333	98.4
07334	98.5

Comments: RDL - Reported Detection Limit

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Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3622975	< 0.001	< 0.001	0.0%	< 0.001	0.297	0.321	93%	80%	120%
Pd	1	3622975	0.002	0.002	0.0%	< 0.001	0.033	0.037	89%	80%	120%
Pt	1	3623318	< 0.005	< 0.005	0.0%	< 0.005	0.083	0.090	93%	80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623144	0.02	0.02	0.0%	< 0.01	11.3	13.0	87%	80%	120%
Al	1	3622975	0.67	0.67	0.0%	< 0.01				80%	120%
As	1	3623144	55.1	66.1	18.2%	< 0.1				80%	120%
Au	1	3623144	< 0.01	< 0.01	0.0%	< 0.01	0.297	0.321	93%	80%	120%
B	1	3622975	< 5	< 5	0.0%	< 5	5.89	7.00	84%	80%	120%
Ba	1	3622975	41	41	0.0%	< 1				80%	120%
Be	1	3623144	0.26	0.26	0.0%	< 0.05	0.3	0.4	78%	80%	120%
Bi	1	3623144	0.03	0.03	0.0%	< 0.01				80%	120%
Ca	1	3622975	0.08	0.08	0.0%	< 0.01	2.29	2.21	103%	80%	120%
Cd	1	3623144	0.11	0.11	0.0%	< 0.01				80%	120%
Ce	1	3623144	1.54	1.50	2.6%	< 0.01				80%	120%
Co	1	3623144	42.4	40.8	3.8%	< 0.1				80%	120%
Cr	1	3622975	28.1	29.2	3.8%	< 0.5				80%	120%
Cs	1	3623144	7.04	7.27	3.2%	< 0.05				80%	120%
Cu	1	3622975	47.7	47.8	0.2%	< 0.1	5576	6000	92%	80%	120%
Fe	1	3622975	3.42	3.47	1.5%	< 0.01				80%	120%
Ga	1	3623144	13.2	13.0	1.5%	< 0.05				80%	120%
Ge	1	3623144	0.126	0.119	5.7%	0.08				80%	120%
Hf	1	3623144	0.02	< 0.02		< 0.02				80%	120%
Hg	1	3623144	< 0.01	< 0.01	0.0%	0.02				80%	120%
In	1	3623144	0.031	0.030	3.3%	< 0.005				80%	120%
K	1	3622975	0.13	0.13	0.0%	< 0.01				80%	120%
La	1	3623144	0.7	0.7	0.0%	< 0.1				80%	120%
Li	1	3623144	24.4	23.2	5.0%	< 0.1				80%	120%
Mg	1	3622975	0.18	0.18	0.0%	< 0.01				80%	120%
Mn	1	3622975	126	125	0.8%	< 1				80%	120%
Mo	1	3623144	0.183	0.192	4.8%	< 0.05	359	350	102%	80%	120%
Na	1	3622975	0.02	0.02	0.0%	< 0.01				80%	120%
Nb	1	3623144	0.049	0.056	13.3%	< 0.05				80%	120%
Ni	1	3622975	33.3	33.7	1.2%	< 0.2				80%	120%
P	1	3622975	479	476	0.6%	< 10	676	600	113%	80%	120%
Pb	1	3623144	3.3	3.6	8.7%	0.1				80%	120%
Rb	1	3623144	80.9	78.8	2.6%	< 0.1	11	13	88%	80%	120%
Re	1	3623144	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
S	1	3622975	0.165	0.166	0.6%	< 0.005				80%	120%
Sb	1	3623144	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Sc	1	3623144	33.9	32.5	4.2%	< 0.1				80%	120%
Se	1	3623144	0.3	0.3	0.0%	< 0.2				80%	120%
Sn	1	3623144	< 0.2	< 0.2	0.0%	< 0.2				80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Sr	1	3622975	10.8	10.7	0.9%	< 0.2				80%	120%
Ta	1	3623144	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623144	0.02	0.02	0.0%	< 0.01				80%	120%
Th	1	3623144	0.2	0.2	0.0%	< 0.1	1.1	1.4	76%	80%	120%
Ti	1	3622975	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Tl	1	3623144	0.428	0.435	1.6%	< 0.01				80%	120%
U	1	3623144	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
V	1	3622975	17.6	17.9	1.7%	< 0.5				80%	120%
W	1	3623144	0.06	0.06	0.0%	< 0.05				80%	120%
Y	1	3623144	4.63	4.50	2.8%	< 0.05	6	7	86%	80%	120%
Zn	1	3622975	203	204	0.5%	< 0.5				80%	120%
Zr	1	3623144	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3622975	14.4	14.2	1.4%	0.102	19.98	20.69	97%	90%	110%
BaO	1	3622975	0.087	0.085	2.3%	< 0.005	0.04	0.04	98%	90%	110%
CaO	1	3622975	0.164	0.155	5.6%	0.011	8.01	8.05	99%	90%	110%
Cr2O3	1	3622975	0.105	0.138	27.2%	0.006		0.01		90%	110%
Fe2O3	1	3622975	6.13	6.00	2.1%	0.056	6.67	6.21	107%	90%	110%
K2O	1	3622975	3.00	2.94	2.0%	< 0.005	1.65	1.66	99%	90%	110%
MgO	1	3622975	0.625	0.599	4.2%	0.015	0.54	0.54	100%	90%	110%
MnO	1	3622975	0.022	0.022	0.0%	< 0.005	0.117	0.108	108%	90%	110%
Na2O	1	3622975	1.14	1.10	3.6%	0.248	7.35	7.10	104%	90%	110%
P2O5	1	3622975	0.092	0.105	13.2%	< 0.005	0.11	0.131	84%	90%	110%
SiO2	1	3622975	56.6	56.1	0.9%	0.149	49.1	49.9	98%	90%	110%
TiO2	1	3622975	0.702	0.695	1.0%	< 0.005	0.277	0.287	97%	90%	110%
SrO	1	3622975	0.017	0.013	26.7%	< 0.005	0.13	0.14	89%	90%	110%
LOI	1	3622975	5.56	5.62	1.1%	< 0.005	23.50	23.6	99%	90%	110%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3622987	< 0.001	< 0.001	0.0%	< 0.001	0.316	0.321	98%	80%	120%
Pd	1	3623136	0.002	0.002	0.0%	< 0.001	0.036	0.037	96%	80%	120%
Pt	1	3622987	0.0059	0.0065	9.7%	< 0.005	0.091	0.090	101%	80%	120%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623150	0.006	< 0.001		< 0.001	0.303	0.321	94%	80%	120%
Pd	1	3623000	0.001	0.001	0.0%	< 0.001	0.037	0.037	99%	80%	120%
Pt	1	3623150	0.0066	0.0062	6.3%	< 0.005	0.082	0.090	91%	80%	120%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623161	0.0438	0.0374	15.8%	< 0.001	0.3	0.321	93%	80%	120%
Pd	1	3623161	0.002	0.002	0.0%	< 0.001	0.037	0.037	101%	80%	120%
Pt	1	3623011	0.006	0.007	15.4%	< 0.005	0.099	0.090	110%	80%	120%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623025	0.003	0.003	0.0%	< 0.001	0.317	0.321	99%	80%	120%
Pd	1	3623025	0.001	0.001	0.0%	< 0.001	0.041	0.037	110%	80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Pt	1	3623175	0.007	0.006	15.4%	< 0.005	0.106	0.090	118%	80%	120%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623037	0.006	0.008	28.6%	< 0.001	0.314	0.321	98%	80%	120%
Pd	1	3623187	0.002	0.002	0.0%	< 0.001	0.038	0.037	102%	80%	120%
Pt	1	3623187	0.0070	0.0061	13.7%	< 0.005	0.099	0.090	110%	80%	120%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623050	0.0037	0.0031	17.6%	< 0.001				80%	120%
Pd	1	3623050	0.002	0.002	0.0%	< 0.001				80%	120%
Pt	1	3623050	0.0054	0.0055	1.8%	< 0.005				80%	120%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623211	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Pd	1	3623061	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Pt	1	3623061	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623075	0.002	0.002	0.0%	< 0.001				80%	120%
Pd	1	3623075	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Pt	1	3623075	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623087	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Pd	1	3623236	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Pt	1	3623087	0.007	0.007	0.0%	< 0.005				80%	120%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623248	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Pd	1	3623100	0.013	0.013	0.0%	< 0.001				80%	120%
Pt	1	3623248	0.005	0.006	18.2%	< 0.005				80%	120%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623250	0.003	0.003	0.0%	< 0.001				80%	120%
Pd	1	3623250	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Pt	1	3623110	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623262	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Pd	1	3623262	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Pt	1	3623262	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623275	0.003	0.003	0.0%	< 0.001				80%	120%
Pd	1	3623275	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Pt	1	3623275	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623286	0.0044	0.0056	24.0%	< 0.001				80%	120%
Pd	1	3623286	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Pt	1	3623286	< 0.005	< 0.005	0.0%	< 0.005				80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
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ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623300	0.016	0.013	20.7%	< 0.001				80%	120%
Pd	1	3623300	0.002	0.002	0.0%	< 0.001				80%	120%
Pt	1	3623300	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish (202055)											
Au	1	3623311	0.003	0.003	0.0%	< 0.001				80%	120%
Pd	1	3623311	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Pt	1	3623311	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623000	0.066	0.052	23.7%	< 0.01	12.2	13.0	94%	80%	120%
Al	1	3623000	0.787	0.758	3.8%	< 0.01				80%	120%
As	1	3623000	0.5	0.5	0.0%	0.1				80%	120%
Au	1	3623000	< 0.01	< 0.01	0.0%	< 0.01	0.33	0.321	103%	80%	120%
B	1	3623000	< 5	5		< 5	7.27	7.00	104%	80%	120%
Ba	1	3623000	51	48	6.1%	< 1				80%	120%
Be	1	3623000	0.25	0.24	4.1%	< 0.05	0.4	0.4	102%	80%	120%
Bi	1	3623000	0.327	0.308	6.0%	< 0.01				80%	120%
Ca	1	3623000	2.12	2.11	0.5%	< 0.01				80%	120%
Cd	1	3623000	0.955	1.01	5.6%	< 0.01				80%	120%
Ce	1	3623000	24.6	20.1	20.1%	< 0.01				80%	120%
Co	1	3623000	12.3	12.3	0.0%	< 0.1				80%	120%
Cr	1	3623000	13.9	14.5	4.2%	< 0.5				80%	120%
Cs	1	3623000	0.448	0.423	5.7%	< 0.05				80%	120%
Cu	1	3623000	41.9	42.3	1.0%	< 0.1	5802	6000	96%	80%	120%
Fe	1	3623000	3.23	3.20	0.9%	< 0.01				80%	120%
Ga	1	3623000	2.12	2.04	3.8%	< 0.05				80%	120%
Ge	1	3623000	0.106	0.115	8.1%	0.08				80%	120%
Hf	1	3623000	0.155	0.157	1.3%	< 0.02				80%	120%
Hg	1	3623000	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	3623000	0.0168	0.0175	4.1%	< 0.005				80%	120%
K	1	3623000	0.207	0.193	7.0%	< 0.01				80%	120%
La	1	3623000	12.1	9.93	19.7%	< 0.1				80%	120%
Li	1	3623000	8.09	9.98	20.9%	< 0.1				80%	120%
Mg	1	3623000	1.33	1.32	0.8%	< 0.01				80%	120%
Mn	1	3623000	566	584	3.1%	< 1				80%	120%
Mo	1	3623000	16.4	17.1	4.2%	< 0.05	352	350	100%	80%	120%
Na	1	3623000	0.02	0.02	0.0%	< 0.01				80%	120%
Nb	1	3623000	0.087	0.080	8.4%	< 0.05				80%	120%
Ni	1	3623000	40.5	41.4	2.2%	< 0.2				80%	120%
P	1	3623000	735	763	3.7%	< 10	644	600	107%	80%	120%
Pb	1	3623000	9.39	7.72	19.5%	< 0.1				80%	120%
Rb	1	3623000	9.8	9.3	5.2%	< 0.1	12	13	96%	80%	120%
Re	1	3623000	0.014	0.014	0.0%	< 0.001				80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
S	1	3623000	0.604	0.595	1.5%	< 0.005				80%	120%
Sb	1	3623000	0.40	0.40	0.0%	< 0.05				80%	120%
Sc	1	3623000	1.9	1.9	0.0%	< 0.1				80%	120%
Se	1	3623000	4.1	4.1	0.0%	< 0.2				80%	120%
Sn	1	3623000	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3623000	104	107	2.8%	< 0.2				80%	120%
Ta	1	3623000	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623000	0.07	0.07	0.0%	< 0.01				80%	120%
Th	1	3623000	5.42	4.82	11.7%	< 0.1	1	1.4	73%	80%	120%
Ti	1	3623000	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Tl	1	3623000	0.07	0.07	0.0%	< 0.01				80%	120%
U	1	3623000	1.22	1.22	0.0%	< 0.05				80%	120%
V	1	3623000	20.3	18.8	7.7%	< 0.5				80%	120%
W	1	3623000	0.11	0.11	0.0%	< 0.05				80%	120%
Y	1	3623000	3.71	3.65	1.6%	< 0.05	5	7	76%	80%	120%
Zn	1	3623000	155	162	4.4%	< 0.5				80%	120%
Zr	1	3623000	6.33	6.68	5.4%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623025	0.482	0.509	5.4%	< 0.01	11.8	13.0	91%	80%	120%
Al	1	3623025	0.233	0.243	4.2%	< 0.01				80%	120%
As	1	3623025	15.0	14.9	0.7%	0.4				80%	120%
Au	1	3623025	< 0.01	< 0.01	0.0%	< 0.01	0.314	0.321	98%	80%	120%
B	1	3623025	6	14		< 5	6.51	7.00	93%	80%	120%
Ba	1	3623025	22	23	4.4%	< 1				80%	120%
Be	1	3623025	0.13	0.14	7.4%	< 0.05	0.4	0.4	90%	80%	120%
Bi	1	3623025	1.47	1.50	2.0%	< 0.01				80%	120%
Ca	1	3623025	1.97	2.05	4.0%	< 0.01				80%	120%
Cd	1	3623025	0.643	0.702	8.8%	< 0.01				80%	120%
Ce	1	3623025	8.75	10.7	20.1%	< 0.01				80%	120%
Co	1	3623025	13.2	13.2	0.0%	< 0.1				80%	120%
Cr	1	3623025	20.9	21.7	3.8%	< 0.5				80%	120%
Cs	1	3623025	0.412	0.421	2.2%	< 0.05				80%	120%
Cu	1	3623025	39.5	41.4	4.7%	< 0.1	5601	6000	93%	80%	120%
Fe	1	3623025	3.72	3.85	3.4%	< 0.01				80%	120%
Ga	1	3623025	0.982	1.01	2.8%	< 0.05				80%	120%
Ge	1	3623025	0.12	0.12	0.0%	0.05				80%	120%
Hf	1	3623025	0.19	0.19	0.0%	< 0.02				80%	120%
Hg	1	3623025	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	3623025	0.012	0.013	8.0%	< 0.005				80%	120%
K	1	3623025	0.07	0.07	0.0%	< 0.01				80%	120%
La	1	3623025	4.2	4.5	6.9%	< 0.1				80%	120%
Li	1	3623025	7.1	12.3		< 0.1				80%	120%
Mg	1	3623025	1.10	1.13	2.7%	< 0.01				80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
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Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Mn	1	3623025	748	748	0.0%	< 1				80%	120%
Mo	1	3623025	0.42	0.44	4.7%	< 0.05	345	350	98%	80%	120%
Na	1	3623025	0.05	0.05	0.0%	< 0.01				80%	120%
Nb	1	3623025	0.100	0.108	7.7%	< 0.05				80%	120%
Ni	1	3623025	30.0	29.9	0.3%	< 0.2				80%	120%
P	1	3623025	518	517	0.2%	< 10	683	600	114%	80%	120%
Pb	1	3623025	108	111	2.7%	< 0.1				80%	120%
Rb	1	3623025	6.2	6.3	1.6%	< 0.1	12	13	89%	80%	120%
Re	1	3623025	0.0016	0.0014	13.3%	< 0.001				80%	120%
S	1	3623025	4.11	4.22	2.6%	< 0.005				80%	120%
Sb	1	3623025	0.29	0.33	12.9%	< 0.05				80%	120%
Sc	1	3623025	3.4	3.4	0.0%	< 0.1				80%	120%
Se	1	3623025	7.33	7.37	0.5%	< 0.2				80%	120%
Sn	1	3623025	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3623025	339	340	0.3%	< 0.2				80%	120%
Ta	1	3623025	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623025	0.150	0.157	4.6%	< 0.01				80%	120%
Th	1	3623025	4.90	5.16	5.2%	< 0.1				80%	120%
Ti	1	3623025	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Tl	1	3623025	0.055	0.055	0.0%	< 0.01				80%	120%
U	1	3623025	1.66	1.70	2.4%	< 0.05				80%	120%
V	1	3623025	15.8	16.8	6.1%	< 0.5				80%	120%
W	1	3623025	0.11	0.11	0.0%	< 0.05				80%	120%
Y	1	3623025	5.05	4.47	12.2%	< 0.05	5	7	71%	80%	120%
Zn	1	3623025	88.3	89.9	1.8%	< 0.5				80%	120%
Zr	1	3623025	6.01	6.09	1.3%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623050	0.301	0.283	6.2%	< 0.01	11.8	13.0	91%	80%	120%
Al	1	3623050	0.52	0.52	0.0%	< 0.01				80%	120%
As	1	3623050	0.7	0.7	0.0%	0.3				80%	120%
Au	1	3623050	< 0.01	< 0.01	0.0%	< 0.01	0.318	0.321	99%	80%	120%
B	1	3623050	< 5	< 5	0.0%	< 5	6.02	7.00	86%	80%	120%
Ba	1	3623050	53	53	0.0%	< 1				80%	120%
Be	1	3623050	0.256	0.244	4.8%	< 0.05	0.4	0.4	100%	80%	120%
Bi	1	3623050	0.31	0.30	3.3%	< 0.01				80%	120%
Ca	1	3623050	3.88	3.98	2.5%	< 0.01	2.26	2.21	102%	80%	120%
Cd	1	3623050	10.2	10.0	2.0%	< 0.01				80%	120%
Ce	1	3623050	16.2	15.1	7.0%	< 0.01				80%	120%
Co	1	3623050	11.4	11.3	0.9%	< 0.1				80%	120%
Cr	1	3623050	18.1	18.4	1.6%	< 0.5				80%	120%
Cs	1	3623050	0.98	0.96	2.1%	< 0.05				80%	120%
Cu	1	3623050	50.6	55.0	8.3%	< 0.1	5849	6000	97%	80%	120%
Fe	1	3623050	2.59	2.66	2.7%	< 0.01				80%	120%
Ga	1	3623050	1.53	1.46	4.7%	< 0.05				80%	120%

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Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Ge	1	3623050	0.081	0.086	6.0%	< 0.05				80%	120%
Hf	1	3623050	0.15	0.15	0.0%	< 0.02				80%	120%
Hg	1	3623050	0.02	0.02	0.0%	< 0.01				80%	120%
In	1	3623050	0.059	0.059	0.0%	< 0.005				80%	120%
K	1	3623050	0.14	0.14	0.0%	< 0.01				80%	120%
La	1	3623050	6.97	6.49	7.1%	< 0.1				80%	120%
Li	1	3623050	3.8	3.7	2.7%	< 0.1				80%	120%
Mg	1	3623050	0.99	1.01	2.0%	< 0.01				80%	120%
Mn	1	3623050	470	480	2.1%	< 1				80%	120%
Mo	1	3623050	18.2	17.7	2.8%	< 0.05	359	350	102%	80%	120%
Na	1	3623050	0.02	0.02	0.0%	< 0.01				80%	120%
Nb	1	3623050	0.088	0.081	8.3%	< 0.05				80%	120%
Ni	1	3623050	41.1	40.4	1.7%	< 0.2				80%	120%
P	1	3623050	509	551	7.9%	< 10	653	600	108%	80%	120%
Pb	1	3623050	10.8	10.7	0.9%	< 0.1				80%	120%
Rb	1	3623050	7.8	7.4	5.3%	< 0.1	12	13	91%	80%	120%
Re	1	3623050	0.020	0.020	0.0%	< 0.001				80%	120%
S	1	3623050	1.02	1.05	2.9%	< 0.005				80%	120%
Sb	1	3623050	0.52	0.48	8.0%	< 0.05				80%	120%
Sc	1	3623050	1.9	1.9	0.0%	< 0.1				80%	120%
Se	1	3623050	7.0	6.8	2.9%	< 0.2				80%	120%
Sn	1	3623050	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3623050	149	146	2.0%	< 0.2				80%	120%
Ta	1	3623050	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623050	0.09	0.09	0.0%	< 0.01				80%	120%
Th	1	3623050	6.2	6.1	1.6%	< 0.1				80%	120%
Ti	1	3623050	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Tl	1	3623050	0.08	0.08	0.0%	< 0.01				80%	120%
U	1	3623050	1.47	1.40	4.9%	< 0.05				80%	120%
V	1	3623050	19.4	20.4	5.0%	< 0.5				80%	120%
W	1	3623050	0.13	0.13	0.0%	< 0.05				80%	120%
Y	1	3623050	5.18	5.01	3.3%	< 0.05	8	7	114%	80%	120%
Zn	1	3623050	524	532	1.5%	< 0.5				80%	120%
Zr	1	3623050	6.5	6.3	3.1%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623075	0.06	0.06	0.0%	0.02	11.4	13.0	88%	80%	120%
Al	1	3623100	1.60	1.65	3.1%	< 0.01				80%	120%
As	1	3623075	1.4	1.0		0.2				80%	120%
Au	1	3623075	< 0.01	< 0.01	0.0%	< 0.01	0.316	0.321	99%	80%	120%
B	1	3623075	< 5	< 5	0.0%	< 5	5.82	7.00	83%	80%	120%
Ba	1	3623100	22	22	0.0%	< 1				80%	120%
Be	1	3623075	0.27	0.27	0.0%	< 0.05	0.5	0.4	125%	80%	120%
Bi	1	3623075	0.21	0.21	0.0%	< 0.01				80%	120%
Ca	1	3623100	4.40	4.59	4.2%	< 0.01	2.36	2.21	106%	80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Cd	1	3623075	0.30	0.30	0.0%	< 0.01				80%	120%
Ce	1	3623075	27.6	33.4	19.0%	< 0.01				80%	120%
Co	1	3623075	10.3	10.4	1.0%	< 0.1				80%	120%
Cr	1	3623100	457	453	0.9%	< 0.5				80%	120%
Cs	1	3623075	0.91	0.95	4.3%	< 0.05				80%	120%
Cu	1	3623100	115	122	5.9%	< 0.1	5230	6000	87%	80%	120%
Fe	1	3623100	4.15	4.33	4.2%	< 0.01				80%	120%
Ga	1	3623075	2.40	2.58	7.2%	< 0.05				80%	120%
Ge	1	3623075	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Hf	1	3623075	0.093	0.097	4.2%	< 0.02				80%	120%
Hg	1	3623075	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	3623075	0.0163	0.0173	6.0%	< 0.005				80%	120%
K	1	3623100	0.15	0.15	0.0%	< 0.01				80%	120%
La	1	3623075	15.8	19.5	21.0%	< 0.1				80%	120%
Li	1	3623075	9.1	9.2	1.1%	< 0.1				80%	120%
Mg	1	3623100	5.96	6.24	4.6%	< 0.01				80%	120%
Mn	1	3623100	826	847	2.5%	< 1				80%	120%
Mo	1	3623075	1.81	1.81	0.0%	< 0.05	346	350	98%	80%	120%
Na	1	3623100	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Nb	1	3623075	0.122	0.135	10.1%	< 0.05				80%	120%
Ni	1	3623100	203	204	0.5%	< 0.2				80%	120%
P	1	3623100	147	148	0.7%	< 10	637	600	106%	80%	120%
Pb	1	3623075	7.01	6.94	1.0%	< 0.1				80%	120%
Rb	1	3623075	9.4	10.3	9.1%	< 0.1	11	13	82%	80%	120%
Re	1	3623075	0.002	0.002	0.0%	< 0.001				80%	120%
S	1	3623100	0.806	0.865	7.1%	< 0.005				80%	120%
Sb	1	3623075	0.18	0.17	5.7%	< 0.05				80%	120%
Sc	1	3623075	2.60	2.76	6.0%	< 0.1				80%	120%
Se	1	3623075	1.01	1.06	4.8%	< 0.2				80%	120%
Sn	1	3623075	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3623075	300	309	3.0%	< 0.2				80%	120%
Ta	1	3623075	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623075	0.04	0.04	0.0%	< 0.01				80%	120%
Th	1	3623075	7.2	7.6	5.4%	< 0.1				80%	120%
Ti	1	3623100	0.007	0.007	0.0%	< 0.005				80%	120%
Tl	1	3623075	0.07	0.07	0.0%	< 0.01				80%	120%
U	1	3623075	0.77	0.86	11.0%	< 0.05				80%	120%
V	1	3623100	46.1	45.6	1.1%	< 0.5				80%	120%
W	1	3623075	0.07	0.07	0.0%	< 0.05				80%	120%
Y	1	3623075	16.7	17.2	2.9%	< 0.05	6	7	81%	80%	120%
Zn	1	3623100	47.8	48.1	0.6%	< 0.5				80%	120%
Zr	1	3623075	3.91	4.19	6.9%	< 0.5				80%	120%

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Ag	1	3623093	0.08	0.08	0.0%	< 0.01	11.5	13.0	88%	80%	120%
Al	1	3623125	0.279	0.275	1.4%	< 0.01				80%	120%
As	1	3623093	10.7	10.6	0.9%	0.4				80%	120%
Au	1	3623093	< 0.01	< 0.01	0.0%	< 0.01	0.312	0.321	97%	80%	120%
B	1	3623093	< 5	< 5	0.0%	< 5	6.77	7.00	97%	80%	120%
Ba	1	3623125	189	189	0.0%	< 1				80%	120%
Be	1	3623093	0.201	0.220	9.0%	< 0.05	0.4	0.4	100%	80%	120%
Bi	1	3623093	0.17	0.17	0.0%	< 0.01				80%	120%
Ca	1	3623125	9.93	10.0	0.7%	< 0.01	2.25	2.21	101%	80%	120%
Cd	1	3623093	1.53	1.55	1.3%	< 0.01				80%	120%
Ce	1	3623093	10.5	9.83	6.6%	< 0.01				80%	120%
Co	1	3623093	20.6	20.9	1.4%	< 0.1				80%	120%
Cr	1	3623125	9.15	9.24	1.0%	< 0.5				80%	120%
Cs	1	3623093	0.35	0.35	0.0%	< 0.05				80%	120%
Cu	1	3623125	37.1	38.7	4.2%	< 0.1	5439	6000	90%	80%	120%
Fe	1	3623125	2.88	2.85	1.0%	< 0.01				80%	120%
Ga	1	3623093	1.77	1.77	0.0%	< 0.05				80%	120%
Ge	1	3623093	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Hf	1	3623093	0.07	0.07	0.0%	< 0.02				80%	120%
Hg	1	3623093	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	3623093	0.013	0.013	0.0%	< 0.005				80%	120%
K	1	3623125	0.22	0.22	0.0%	< 0.01				80%	120%
La	1	3623093	5.6	5.3	5.5%	< 0.1				80%	120%
Li	1	3623093	3.8	3.8	0.0%	< 0.1				80%	120%
Mg	1	3623125	3.15	3.18	0.9%	< 0.01				80%	120%
Mn	1	3623125	648	672	3.6%	< 1				80%	120%
Mo	1	3623093	9.20	9.11	1.0%	< 0.05	356	350	101%	80%	120%
Na	1	3623125	0.01	0.01	0.0%	< 0.01				80%	120%
Nb	1	3623093	0.14	0.13	7.4%	< 0.05				80%	120%
Ni	1	3623125	27.2	27.6	1.5%	< 0.2				80%	120%
P	1	3623125	1960	2040	4.0%	< 10	654	600	109%	80%	120%
Pb	1	3623093	13.9	14.1	1.4%	0.1				80%	120%
Rb	1	3623093	12.9	12.7	1.6%	< 0.1	12	13	88%	80%	120%
Re	1	3623093	0.0140	0.0149	6.2%	< 0.001				80%	120%
S	1	3623125	1.82	1.76	3.4%	< 0.005				80%	120%
Sb	1	3623093	0.46	0.45	2.2%	< 0.05				80%	120%
Sc	1	3623093	3.77	3.73	1.1%	< 0.1				80%	120%
Se	1	3623093	3.08	3.05	1.0%	< 0.2				80%	120%
Sn	1	3623093	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3623093	263	264	0.4%	< 0.2				80%	120%
Ta	1	3623093	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623093	0.08	0.07	13.3%	< 0.01				80%	120%
Th	1	3623093	3.29	3.20	2.8%	< 0.1				80%	120%
Ti	1	3623125	< 0.005	< 0.005	0.0%	< 0.005				80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Tl	1	3623093	0.10	0.10	0.0%	< 0.01				80%	120%
U	1	3623093	1.20	1.15	4.3%	< 0.05				80%	120%
V	1	3623125	18.5	18.3	1.1%	< 0.5				80%	120%
W	1	3623093	0.195	0.186	4.7%	< 0.05				80%	120%
Y	1	3623093	8.90	8.85	0.6%	< 0.05	7	7	100%	80%	120%
Zn	1	3623125	101	104	2.9%	< 0.5				80%	120%
Zr	1	3623093	3.35	3.31	1.2%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623100	0.10	0.11	9.5%	< 0.01	12.1	13.0	93%	80%	120%
Al	1	3623200	2.02	2.10	3.9%	< 0.01				80%	120%
As	1	3623100	5.01	5.15	2.8%	0.3				80%	120%
Au	1	3623100	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	3623100	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	3623200	171	179	4.6%	< 1				80%	120%
Be	1	3623100	0.10	0.10	0.0%	< 0.05	0.4	0.4	100%	80%	120%
Bi	1	3623100	0.24	0.24	0.0%	< 0.01				80%	120%
Ca	1	3623200	4.90	5.09	3.8%	< 0.01	2.08	2.21	94%	80%	120%
Cd	1	3623100	0.102	0.111	8.5%	< 0.01				80%	120%
Ce	1	3623100	0.78	0.76	2.6%	< 0.01				80%	120%
Co	1	3623100	53.2	55.1	3.5%	< 0.1				80%	120%
Cr	1	3623200	19.1	19.0	0.5%	< 0.5				80%	120%
Cs	1	3623100	0.618	0.626	1.3%	< 0.05				80%	120%
Cu	1	3623200	37.0	37.7	1.9%	< 0.1	5905	6000	98%	80%	120%
Fe	1	3623200	5.32	5.53	3.9%	< 0.01				80%	120%
Ga	1	3623100	3.01	3.04	1.0%	< 0.05				80%	120%
Ge	1	3623100	0.07	0.07	0.0%	< 0.05				80%	120%
Hf	1	3623100	< 0.02	< 0.02	0.0%	< 0.02				80%	120%
Hg	1	3623100	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	3623100	0.011	0.011	0.0%	< 0.005				80%	120%
K	1	3623200	1.93	2.00	3.6%	< 0.01				80%	120%
La	1	3623100	0.4	0.4	0.0%	< 0.1				80%	120%
Li	1	3623100	15.4	15.6	1.3%	< 0.1				80%	120%
Mg	1	3623200	2.61	2.72	4.1%	< 0.01				80%	120%
Mn	1	3623200	1370	1390	1.4%	< 1				80%	120%
Mo	1	3623100	1.62	1.60	1.2%	< 0.05	351	350	100%	80%	120%
Na	1	3623200	0.04	0.04	0.0%	< 0.01				80%	120%
Nb	1	3623100	0.11	0.11	0.0%	< 0.05				80%	120%
Ni	1	3623200	14.0	14.0	0.0%	< 0.2				80%	120%
P	1	3623200	646	669	3.5%	< 10	671	600	112%	80%	120%
Pb	1	3623100	3.44	3.14	9.1%	< 0.1				80%	120%
Rb	1	3623100	12.4	12.4	0.0%	< 0.1	11	13	84%	80%	120%
Re	1	3623100	< 0.001	0.001		< 0.001				80%	120%
S	1	3623200	1.44	1.53	6.1%	< 0.005				80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
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Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Sb	1	3623100	0.06	0.07	15.4%	< 0.05				80%	120%
Sc	1	3623100	8.1	8.1	0.0%	< 0.1				80%	120%
Se	1	3623100	0.24	0.27	11.8%	< 0.2				80%	120%
Sn	1	3623100	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3623100	278	286	2.8%	0.2				80%	120%
Ta	1	3623100	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623100	0.037	0.030	20.9%	< 0.01				80%	120%
Th	1	3623100	0.1	0.1	0.0%	< 0.1				80%	120%
Ti	1	3623200	0.267	0.276	3.3%	< 0.005				80%	120%
Tl	1	3623100	0.115	0.116	0.9%	< 0.01				80%	120%
U	1	3623100	0.06	0.06	0.0%	< 0.05				80%	120%
V	1	3623200	219	222	1.4%	< 0.5				80%	120%
W	1	3623100	0.05	0.05	0.0%	< 0.05				80%	120%
Y	1	3623100	2.51	2.07	19.2%	< 0.05	6	7	80%	80%	120%
Zn	1	3623200	93.3	93.2	0.1%	< 0.5				80%	120%
Zr	1	3623100	0.7	0.7	0.0%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623125	0.061	0.067	9.4%	< 0.01	11.7	13.0	90%	80%	120%
Al	1	3623215	1.75	1.74	0.6%	< 0.01				80%	120%
As	1	3623125	5.19	5.57	7.1%	< 0.1				80%	120%
Au	1	3623125	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	3623125	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	3623215	173	174	0.6%	< 1				80%	120%
Be	1	3623125	0.162	0.134	18.9%	< 0.05	0.4	0.4	100%	80%	120%
Bi	1	3623125	0.27	0.27	0.0%	< 0.01				80%	120%
Ca	1	3623215	2.91	2.89	0.7%	< 0.01				80%	120%
Cd	1	3623125	0.89	0.89	0.0%	< 0.01				80%	120%
Ce	1	3623125	4.45	4.56	2.4%	< 0.01				80%	120%
Co	1	3623125	19.8	19.9	0.5%	< 0.1				80%	120%
Cr	1	3623215	23.8	23.8	0.0%	< 0.5				80%	120%
Cs	1	3623125	0.22	0.23	4.4%	< 0.05				80%	120%
Cu	1	3623215	24.3	24.5	0.8%	< 0.1	5919	6000	98%	80%	120%
Fe	1	3623215	5.89	5.82	1.2%	< 0.01				80%	120%
Ga	1	3623125	0.67	0.67	0.0%	< 0.05				80%	120%
Ge	1	3623125	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Hf	1	3623125	0.043	0.045	4.5%	< 0.02				80%	120%
Hg	1	3623125	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	3623125	0.0206	0.0198	4.0%	< 0.005				80%	120%
K	1	3623215	1.56	1.56	0.0%	< 0.01				80%	120%
La	1	3623125	1.90	1.95	2.6%	< 0.1				80%	120%
Li	1	3623125	1.4	1.4	0.0%	< 0.1				80%	120%
Mg	1	3623215	3.42	3.41	0.3%	< 0.01				80%	120%
Mn	1	3623215	1340	1360	1.5%	< 1				80%	120%
Mo	1	3623125	4.41	4.45	0.9%	< 0.05	334	350	95%	80%	120%

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Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Na	1	3623215	0.04	0.04	0.0%	< 0.01				80%	120%
Nb	1	3623125	0.12	0.12	0.0%	< 0.05				80%	120%
Ni	1	3623215	11.9	11.8	0.8%	< 0.2				80%	120%
P	1	3623215	572	540	5.8%	< 10	700	600	117%	80%	120%
Pb	1	3623125	18.2	17.2	5.6%	< 0.1				80%	120%
Rb	1	3623125	7.8	7.8	0.0%	< 0.1	12	13	90%	80%	120%
Re	1	3623125	0.003	0.003	0.0%	< 0.001				80%	120%
S	1	3623215	1.24	1.22	1.6%	< 0.005				80%	120%
Sb	1	3623125	0.289	0.318	9.6%	< 0.05				80%	120%
Sc	1	3623125	5.81	6.00	3.2%	< 0.1				80%	120%
Se	1	3623125	0.9	0.9	0.0%	< 0.2				80%	120%
Sn	1	3623125	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3623125	520	532	2.3%	< 0.2				80%	120%
Ta	1	3623125	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623125	0.07	0.07	0.0%	< 0.01				80%	120%
Th	1	3623125	1.53	1.58	3.2%	< 0.1				80%	120%
Ti	1	3623215	0.210	0.210	0.0%	< 0.005				80%	120%
Tl	1	3623125	0.055	0.059	7.0%	< 0.01				80%	120%
U	1	3623125	0.39	0.40	2.5%	< 0.05				80%	120%
V	1	3623215	209	213	1.9%	< 0.5				80%	120%
W	1	3623125	0.13	0.13	0.0%	< 0.05				80%	120%
Y	1	3623125	16.8	17.1	1.8%	< 0.05	7	7	100%	80%	120%
Zn	1	3623215	132	132	0.0%	< 0.5				80%	120%
Zr	1	3623125	1.5	1.5	0.0%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623150	0.04	0.04	0.0%	< 0.01	11.7	13.0	90%	80%	120%
Al	1	3623275	0.42	0.42	0.0%	< 0.01				80%	120%
As	1	3623150	0.54	0.72	28.6%	< 0.1				80%	120%
Au	1	3623150	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	3623150	< 5	< 5	0.0%	< 5				80%	120%
Ba	1	3623275	25	25	0.0%	< 1				80%	120%
Be	1	3623150	0.13	0.13	0.0%	< 0.05	0.3	0.4	81%	80%	120%
Bi	1	3623150	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Ca	1	3623275	3.68	3.62	1.6%	< 0.01	2.25	2.21	101%	80%	120%
Cd	1	3623150	0.05	0.05	0.0%	< 0.01				80%	120%
Ce	1	3623150	0.80	0.80	0.0%	< 0.01				80%	120%
Co	1	3623150	30.9	31.6	2.2%	< 0.1				80%	120%
Cr	1	3623275	7.72	7.64	1.0%	< 0.5				80%	120%
Cs	1	3623150	1.08	1.09	0.9%	< 0.05				80%	120%
Cu	1	3623275	83.1	82.9	0.2%	< 0.1	5959	6000	99%	80%	120%
Fe	1	3623275	5.78	5.67	1.9%	< 0.01				80%	120%
Ga	1	3623150	6.98	7.03	0.7%	< 0.05				80%	120%
Ge	1	3623150	0.11	0.11	0.0%	< 0.05				80%	120%
Hf	1	3623150	0.09	0.09	0.0%	< 0.02				80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Hg	1	3623150	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	3623150	0.005	0.005	0.0%	< 0.005				80%	120%
K	1	3623275	0.23	0.23	0.0%	< 0.01				80%	120%
La	1	3623150	0.3	0.3	0.0%	< 0.1				80%	120%
Li	1	3623150	19.5	19.9	2.0%	< 0.1				80%	120%
Mg	1	3623275	2.25	2.20	2.2%	< 0.01				80%	120%
Mn	1	3623275	1670	1640	1.8%	< 1				80%	120%
Mo	1	3623150	0.24	0.23	4.3%	< 0.05	337	350	96%	80%	120%
Na	1	3623275	0.03	0.03	0.0%	< 0.01				80%	120%
Nb	1	3623150	0.164	0.168	2.4%	< 0.05				80%	120%
Ni	1	3623275	7.05	7.18	1.8%	< 0.2				80%	120%
P	1	3623275	702	677	3.6%	< 10	645	600	108%	80%	120%
Pb	1	3623150	0.8	0.8	0.0%	< 0.1				80%	120%
Rb	1	3623150	8.2	8.3	1.2%	< 0.1	12	13	91%	80%	120%
Re	1	3623150	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
S	1	3623275	0.413	0.402	2.7%	< 0.005				80%	120%
Sb	1	3623150	0.16	0.16	0.0%	< 0.05				80%	120%
Sc	1	3623150	3.72	3.80	2.1%	< 0.1				80%	120%
Se	1	3623150	0.2	0.2	0.0%	< 0.2				80%	120%
Sn	1	3623150	0.2	0.2	0.0%	< 0.2				80%	120%
Sr	1	3623150	31.5	31.8	0.9%	< 0.2				80%	120%
Ta	1	3623150	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623150	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Th	1	3623150	< 0.1	< 0.1	0.0%	< 0.1	1.4	1.4	100%	80%	120%
Ti	1	3623275	< 0.005	< 0.005	0.0%	< 0.005				80%	120%
Tl	1	3623150	0.04	0.04	0.0%	< 0.01				80%	120%
U	1	3623150	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
V	1	3623275	40.0	40.3	0.7%	< 0.5				80%	120%
W	1	3623150	0.287	0.273	5.0%	< 0.05				80%	120%
Y	1	3623150	4.56	4.60	0.9%	< 0.05	6	7	86%	80%	120%
Zn	1	3623275	83.7	83.6	0.1%	< 0.5				80%	120%
Zr	1	3623150	2.80	2.15	26.3%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623175	0.067	0.059	12.7%	< 0.01	11.9	13.0	91%	80%	120%
Al	1	3623290	0.85	0.85	0.0%	< 0.01				80%	120%
As	1	3623175	0.90	0.73	20.9%	< 0.1				80%	120%
Au	1	3623175	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	3623175	15	< 5		< 5	7.61	7.00	109%	80%	120%
Ba	1	3623290	49	49	0.0%	< 1				80%	120%
Be	1	3623175	0.15	0.15	0.0%	< 0.05	0.3	0.4	71%	80%	120%
Bi	1	3623175	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Ca	1	3623290	4.76	4.76	0.0%	< 0.01				80%	120%
Cd	1	3623175	0.036	0.033	8.7%	< 0.01				80%	120%

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Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Ce	1	3623175	1.46	1.45	0.7%	< 0.01				80%	120%
Co	1	3623175	28.3	28.3	0.0%	< 0.1				80%	120%
Cr	1	3623290	28.2	29.0	2.8%	< 0.5				80%	120%
Cs	1	3623175	0.78	0.79	1.3%	< 0.05				80%	120%
Cu	1	3623290	228	228	0.0%	< 0.1	5846	6000	97%	80%	120%
Fe	1	3623290	6.07	6.05	0.3%	< 0.01				80%	120%
Ga	1	3623175	7.74	7.78	0.5%	< 0.05				80%	120%
Ge	1	3623175	0.09	0.09	0.0%	< 0.05				80%	120%
Hf	1	3623175	0.043	0.046	6.7%	< 0.02				80%	120%
Hg	1	3623175	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	3623175	0.007	0.007	0.0%	< 0.005				80%	120%
K	1	3623290	0.55	0.55	0.0%	< 0.01				80%	120%
La	1	3623175	0.6	0.6	0.0%	< 0.1				80%	120%
Li	1	3623175	31.2	22.4		< 0.1				80%	120%
Mg	1	3623290	3.29	3.27	0.6%	< 0.01				80%	120%
Mn	1	3623290	1580	1580	0.0%	< 1				80%	120%
Mo	1	3623175	0.40	0.40	0.0%	< 0.05	338	350	96%	80%	120%
Na	1	3623290	0.04	0.04	0.0%	< 0.01				80%	120%
Nb	1	3623175	0.15	0.15	0.0%	< 0.05				80%	120%
Ni	1	3623290	24.9	25.0	0.4%	< 0.2				80%	120%
P	1	3623290	462	480	3.8%	< 10	689	600	115%	80%	120%
Pb	1	3623175	0.79	0.74	6.5%	< 0.1				80%	120%
Rb	1	3623175	1.4	1.4	0.0%	< 0.1	11	13	87%	80%	120%
Re	1	3623175	0.0015	0.0015	0.0%	< 0.001				80%	120%
S	1	3623290	1.39	1.37	1.4%	< 0.005				80%	120%
Sb	1	3623175	0.134	0.138	2.9%	< 0.05				80%	120%
Sc	1	3623175	3.7	3.7	0.0%	< 0.1				80%	120%
Se	1	3623175	0.27	0.24	11.8%	< 0.2				80%	120%
Sn	1	3623175	0.2	0.2	0.0%	< 0.2				80%	120%
Sr	1	3623175	38.1	37.9	0.5%	< 0.2				80%	120%
Ta	1	3623175	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623175	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Th	1	3623175	< 0.1	< 0.1	0.0%	< 0.1				80%	120%
Ti	1	3623290	0.0615	0.0617	0.3%	< 0.005				80%	120%
Tl	1	3623175	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
U	1	3623175	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
V	1	3623290	90.7	91.0	0.3%	< 0.5				80%	120%
W	1	3623175	0.10	0.10	0.0%	< 0.05				80%	120%
Y	1	3623175	5.77	5.68	1.6%	< 0.05	7	7	100%	80%	120%
Zn	1	3623290	72.6	71.5	1.5%	< 0.5				80%	120%
Zr	1	3623175	0.8	0.8	0.0%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623200	0.05	0.05	0.0%	< 0.01	12.2	13.0	94%	80%	120%
As	1	3623200	1.0	1.0	0.0%	< 0.1				80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Au	1	3623200	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	3623200	18	< 5		< 5	7	7.00	100%	80%	120%
Be	1	3623200	0.90	0.94	4.3%	< 0.05	0.4	0.4	100%	80%	120%
Bi	1	3623200	0.092	0.098	6.3%	< 0.01				80%	120%
Ca	1					< 0.01	2.04	2.21	92%	80%	120%
Cd	1	3623200	0.27	0.27	0.0%	< 0.01				80%	120%
Ce	1	3623200	5.59	5.84	4.4%	< 0.01				80%	120%
Co	1	3623200	22.7	24.3	6.8%	< 0.1				80%	120%
Cs	1	3623200	14.1	14.5	2.8%	< 0.05				80%	120%
Cu	1					< 0.1	6021	6000	100%	80%	120%
Ga	1	3623200	13.1	13.6	3.7%	< 0.05				80%	120%
Ge	1	3623200	0.179	0.171	4.6%	< 0.05				80%	120%
Hf	1	3623200	0.02	0.02	0.0%	< 0.02				80%	120%
Hg	1	3623200	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	3623200	0.068	0.068	0.0%	< 0.005				80%	120%
La	1	3623200	2.15	2.28	5.9%	< 0.1				80%	120%
Li	1	3623200	44.0	35.4	21.7%	< 0.1				80%	120%
Mo	1	3623200	0.21	0.21	0.0%	< 0.05	338	380	88%	80%	120%
Nb	1	3623200	0.10	0.10	0.0%	< 0.05				80%	120%
P	1					< 10	711	600	118%	80%	120%
Pb	1	3623200	6.6	6.8	3.0%	< 0.1				80%	120%
Rb	1	3623200	174	184	5.6%	< 0.1	12	13	91%	80%	120%
Re	1	3623200	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Sb	1	3623200	0.05	0.05	0.0%	< 0.05				80%	120%
Sc	1	3623200	22.5	23.7	5.2%	< 0.1				80%	120%
Se	1	3623200	0.4	0.4	0.0%	< 0.2				80%	120%
Sn	1	3623200	0.9	0.9	0.0%	< 0.2				80%	120%
Sr	1	3623200	217	226	4.1%	< 0.2				80%	120%
Ta	1	3623200	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623200	< 0.01	0.01		< 0.01				80%	120%
Th	1	3623200	0.2	0.2	0.0%	< 0.1	1.4	1.4	100%	80%	120%
Tl	1	3623200	1.18	1.21	2.5%	< 0.01				80%	120%
U	1	3623200	0.08	0.08	0.0%	< 0.05				80%	120%
W	1	3623200	0.065	0.067	3.0%	< 0.05				80%	120%
Y	1	3623200	9.41	9.73	3.3%	< 0.05	7	7	100%	80%	120%
Zr	1	3623200	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623215	0.04	0.04	0.0%	< 0.01	12.5	13.0	96%	80%	120%
As	1	3623215	2.9	2.9	0.0%	< 0.1				80%	120%
Au	1	3623215	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	3623215	< 5	< 5	0.0%	< 5	7	7.00	100%	80%	120%
Be	1	3623215	0.66	0.70	5.9%	< 0.05				80%	120%
Bi	1	3623215	0.10	0.10	0.0%	< 0.01				80%	120%
Cd	1	3623215	0.194	0.204	5.0%	< 0.01				80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Ce	1	3623215	1.72	2.01	15.5%	< 0.01				80%	120%
Co	1	3623215	24.4	25.3	3.6%	< 0.1				80%	120%
Cs	1	3623215	11.8	12.3	4.1%	< 0.05				80%	120%
Cu	1					< 0.1	5830	6000	97%	80%	120%
Ga	1	3623215	8.99	9.34	3.8%	< 0.05				80%	120%
Ge	1	3623215	0.14	0.14	0.0%	< 0.05				80%	120%
Hf	1	3623215	< 0.02	< 0.02	0.0%	< 0.02				80%	120%
Hg	1	3623215	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	3623215	0.0571	0.0561	1.8%	< 0.005				80%	120%
La	1	3623215	0.6	0.7	15.4%	< 0.1				80%	120%
Li	1	3623215	21.6	22.9	5.8%	< 0.1				80%	120%
Mo	1	3623215	0.26	0.26	0.0%	< 0.05	330	350	94%	80%	120%
Nb	1	3623215	0.051	0.060	16.2%	< 0.05				80%	120%
P	1					< 10	711	600	118%	80%	120%
Pb	1	3623215	3.7	3.7	0.0%	< 0.1				80%	120%
Rb	1	3623215	134	139	3.7%	< 0.1	12	13	92%	80%	120%
Re	1	3623215	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Sb	1	3623215	0.080	0.089	10.7%	< 0.05				80%	120%
Sc	1	3623215	18.6	19.2	3.2%	< 0.1				80%	120%
Se	1	3623215	0.3	0.3	0.0%	< 0.2				80%	120%
Sn	1	3623215	0.5	0.5	0.0%	< 0.2				80%	120%
Sr	1	3623215	146	150	2.7%	< 0.2				80%	120%
Ta	1	3623215	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623215	0.02	0.02	0.0%	< 0.01				80%	120%
Th	1	3623215	0.1	0.1	0.0%	< 0.1	1.4	1.4	100%	80%	120%
Tl	1	3623215	1.07	1.08	0.9%	< 0.01				80%	120%
U	1	3623215	0.07	0.07	0.0%	< 0.05				80%	120%
W	1	3623215	0.07	0.07	0.0%	< 0.05				80%	120%
Y	1	3623215	2.83	2.91	2.8%	< 0.05	7	7	100%	80%	120%
Zr	1	3623215	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623225	0.07	0.07	0.0%	< 0.01	12.2	13.0	94%	80%	120%
As	1	3623225	1.2	1.2	0.0%	< 0.1				80%	120%
Au	1	3623225	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	3623225	5	< 5		< 5	7	7.00	100%	80%	120%
Be	1	3623225	0.061	0.052	15.9%	< 0.05				80%	120%
Bi	1	3623225	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Cd	1	3623225	0.095	0.096	1.0%	< 0.01				80%	120%
Ce	1	3623225	7.68	7.09	8.0%	< 0.01				80%	120%
Co	1	3623225	23.4	22.7	3.0%	< 0.1				80%	120%
Cs	1	3623225	0.151	0.142	6.1%	< 0.05				80%	120%
Cu	1					< 0.1	6003	6000	100%	80%	120%
Ga	1	3623225	10.9	10.7	1.9%	< 0.05				80%	120%
Ge	1	3623225	0.14	0.13	7.4%	< 0.05				80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Hf	1	3623225	< 0.02	< 0.02	0.0%	< 0.02				80%	120%
Hg	1	3623225	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	3623225	0.0640	0.0635	0.8%	< 0.005				80%	120%
La	1	3623225	2.9	2.7	7.1%	< 0.1				80%	120%
Li	1	3623225	17.3	13.7	23.2%	< 0.1				80%	120%
Mo	1	3623225	0.316	0.288	9.3%	< 0.05	338	350	96%	80%	120%
Nb	1	3623225	0.06	0.06	0.0%	< 0.05				80%	120%
P	1					< 10	626	600	104%	80%	120%
Pb	1	3623225	1.07	1.04	2.8%	< 0.1				80%	120%
Rb	1	3623225	1.5	1.5	0.0%	< 0.1	12	13	91%	80%	120%
Re	1	3623225	< 0.001	< 0.001	0.0%	< 0.001				80%	120%
Sb	1	3623225	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Sc	1	3623225	19.3	19.3	0.0%	< 0.1				80%	120%
Se	1	3623225	0.2	0.2	0.0%	< 0.2				80%	120%
Sn	1	3623225	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3623225	31.6	31.0	1.9%	< 0.2				80%	120%
Ta	1	3623225	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623225	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Th	1	3623225	0.3	0.3	0.0%	< 0.1	1	1.4	71%	80%	120%
Tl	1	3623225	< 0.01	0.01		< 0.01				80%	120%
U	1	3623225	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
W	1	3623225	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Y	1	3623225	2.44	2.38	2.5%	< 0.05	6	7	79%	80%	120%
Zr	1	3623225	0.5	< 0.5		< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623250	0.049	0.056	13.3%	< 0.01	12.4	13.0	96%	80%	120%
As	1	3623250	0.5	0.4	22.2%	< 0.1				80%	120%
Au	1	3623250	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	3623250	< 5	< 5	0.0%	< 5				80%	120%
Be	1	3623250	0.077	0.085	9.9%	< 0.05				80%	120%
Bi	1	3623250	0.06	0.06	0.0%	< 0.01				80%	120%
Cd	1	3623250	0.11	0.11	0.0%	< 0.01				80%	120%
Ce	1	3623250	3.27	5.11		< 0.01				80%	120%
Co	1	3623250	34.1	32.0	6.4%	< 0.1				80%	120%
Cs	1	3623250	0.23	0.25	8.3%	< 0.05				80%	120%
Ga	1	3623250	10.4	10.4	0.0%	< 0.05				80%	120%
Ge	1	3623250	0.096	0.082	15.7%	< 0.05				80%	120%
Hf	1	3623250	< 0.02	< 0.02	0.0%	< 0.02				80%	120%
Hg	1	3623250	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	3623250	0.042	0.042	0.0%	< 0.005				80%	120%
La	1	3623250	1.2	1.9		< 0.1				80%	120%
Li	1	3623250	15.8	15.9	0.6%	< 0.1				80%	120%
Mo	1	3623250	0.334	0.338	1.2%	< 0.05	339	350	96%	80%	120%
Nb	1	3623250	0.05	0.11		< 0.05				80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE					REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD	Method Blank	Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
P	1					< 10	710	600	118%	80%	120%
Pb	1	3623250	1.7	1.7	0.0%	< 0.1				80%	120%
Rb	1	3623250	2.9	3.3	12.9%	< 0.1	13	13	97%	80%	120%
Re	1	3623250	0.002	0.002	0.0%	< 0.001				80%	120%
Sb	1	3623250	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Sc	1	3623250	16.7	16.3	2.4%	< 0.1				80%	120%
Se	1	3623250	1.1	1.1	0.0%	< 0.2				80%	120%
Sn	1	3623250	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3623250	70.3	68.0	3.3%	< 0.2				80%	120%
Ta	1	3623250	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623250	0.04	0.04	0.0%	< 0.01				80%	120%
Th	1	3623250	0.2	0.2	0.0%	< 0.1	1.4	1.4	100%	80%	120%
Tl	1	3623250	0.02	0.02	0.0%	< 0.01				80%	120%
U	1	3623250	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
W	1	3623250	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Y	1	3623250	4.32	4.35	0.7%	< 0.05	6	7	84%	80%	120%
Zr	1	3623250	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623275	0.03	0.03	0.0%	< 0.01	12.4	13.0	95%	80%	120%
As	1	3623275	41.8	46.3	10.2%	< 0.1				80%	120%
Au	1	3623275	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	3623275	< 5	< 5	0.0%	< 5				80%	120%
Be	1	3623275	0.080	0.074	7.8%	< 0.05				80%	120%
Bi	1	3623275	0.05	0.03		< 0.01				80%	120%
Cd	1	3623275	0.16	0.16	0.0%	< 0.01				80%	120%
Ce	1	3623275	6.13	6.42	4.6%	< 0.01				80%	120%
Co	1	3623275	23.6	23.4	0.9%	< 0.1				80%	120%
Cs	1	3623275	1.54	1.59	3.2%	< 0.05				80%	120%
Cu	1					< 0.1	5959	6000	99%	80%	120%
Ga	1	3623275	1.50	1.49	0.7%	< 0.05				80%	120%
Ge	1	3623275	0.06	0.06	0.0%	< 0.05				80%	120%
Hf	1	3623275	< 0.02	< 0.02	0.0%	< 0.02				80%	120%
Hg	1	3623275	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	3623275	0.061	0.060	1.7%	< 0.005				80%	120%
La	1	3623275	2.2	2.3	4.4%	< 0.1				80%	120%
Li	1	3623275	1.2	1.2	0.0%	< 0.1				80%	120%
Mo	1	3623275	1.89	1.91	1.1%	< 0.05	326	350	93%	80%	120%
Nb	1	3623275	0.05	0.05	0.0%	< 0.05				80%	120%
P	1					< 10	643	600	107%	80%	120%
Pb	1	3623275	0.9	0.9	0.0%	< 0.1				80%	120%
Rb	1	3623275	15.8	16.0	1.3%	< 0.1	13	13	99%	80%	120%
Re	1	3623275	0.0103	0.0107	3.8%	< 0.001				80%	120%
Sb	1	3623275	3.35	3.52	4.9%	< 0.05				80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Sc	1	3623275	13.0	12.7	2.3%	< 0.1				80%	120%
Se	1	3623275	0.94	1.01	7.2%	< 0.2				80%	120%
Sn	1	3623275	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3623275	185	182	1.6%	< 0.2				80%	120%
Ta	1	3623275	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623275	0.051	0.042	19.4%	< 0.01				80%	120%
Th	1	3623275	0.3	0.3	0.0%	< 0.1	1	1.4	73%	80%	120%
Tl	1	3623275	0.12	0.12	0.0%	< 0.01				80%	120%
U	1	3623275	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
W	1	3623275	0.10	0.10	0.0%	< 0.05				80%	120%
Y	1	3623275	8.35	8.37	0.2%	< 0.05	6	7	81%	80%	120%
Zr	1	3623275	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623290	0.28	0.28	0.0%	< 0.01	12.3	13.0	95%	80%	120%
As	1	3623290	42.9	43.0	0.2%	< 0.1				80%	120%
Au	1	3623290	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
B	1	3623290	< 5	< 5	0.0%	< 5	8.36	7.00	119%	80%	120%
Be	1	3623290	0.12	0.12	0.0%	< 0.05				80%	120%
Bi	1	3623290	0.21	0.21	0.0%	< 0.01				80%	120%
Cd	1	3623290	0.28	0.28	0.0%	< 0.01				80%	120%
Ce	1	3623290	2.35	2.46	4.6%	< 0.01				80%	120%
Co	1	3623290	27.7	27.7	0.0%	< 0.1				80%	120%
Cs	1	3623290	4.46	4.41	1.1%	< 0.05				80%	120%
Ga	1	3623290	3.83	3.83	0.0%	< 0.05				80%	120%
Ge	1	3623290	0.06	0.05	18.2%	< 0.05				80%	120%
Hf	1	3623290	< 0.02	< 0.02	0.0%	< 0.02				80%	120%
Hg	1	3623290	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
In	1	3623290	0.0511	0.0494	3.4%	< 0.005				80%	120%
La	1	3623290	0.84	0.90	6.9%	< 0.1				80%	120%
Li	1	3623290	8.6	8.5	1.2%	< 0.1				80%	120%
Mo	1	3623290	0.74	0.82	10.3%	< 0.05				80%	120%
Nb	1	3623290	0.12	0.12	0.0%	< 0.05				80%	120%
Pb	1	3623290	37.3	36.9	1.1%	< 0.1				80%	120%
Rb	1	3623290	50.3	50.0	0.6%	< 0.1				80%	120%
Re	1	3623290	0.002	0.002	0.0%	< 0.001				80%	120%
Sb	1	3623290	0.92	1.09	16.9%	< 0.05				80%	120%
Sc	1	3623290	13.4	13.4	0.0%	< 0.1				80%	120%
Se	1	3623290	0.65	0.52	22.2%	< 0.2				80%	120%
Sn	1	3623290	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3623290	188	187	0.5%	< 0.2				80%	120%
Ta	1	3623290	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623290	0.02	0.02	0.0%	< 0.01				80%	120%
Th	1	3623290	0.1	0.1	0.0%	< 0.1	1.5	1.4	107%	80%	120%
Tl	1	3623290	0.49	0.49	0.0%	< 0.01				80%	120%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
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Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
U	1	3623290	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
W	1	3623290	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Y	1	3623290	3.94	3.91	0.8%	< 0.05	5	7	78%	80%	120%
Zr	1	3623290	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1	3623300	1.79	1.71	4.6%	< 0.01	12.8	13.0	99%	80%	120%
As	1	3623300	53.5	54.6	2.0%	< 0.1				80%	120%
Au	1	3623300	0.02	0.01		< 0.01				80%	120%
B	1	3623300	< 5	< 5	0.0%	< 5	8.09	7.00	116%	80%	120%
Be	1	3623300	0.15	0.15	0.0%	< 0.05				80%	120%
Bi	1	3623300	4.37	4.16	4.9%	< 0.01				80%	120%
Cd	1	3623300	6.89	7.16	3.8%	< 0.01				80%	120%
Ce	1	3623300	2.12	2.29	7.7%	< 0.01				80%	120%
Co	1	3623300	31.4	32.5	3.4%	< 0.1				80%	120%
Cs	1	3623300	0.33	0.33	0.0%	< 0.05				80%	120%
Ga	1	3623300	1.14	1.17	2.6%	< 0.05				80%	120%
Ge	1	3623300	0.069	0.063	9.1%	< 0.05				80%	120%
Hf	1	3623300	< 0.02	< 0.02	0.0%	< 0.02				80%	120%
Hg	1	3623300	0.01	0.02		< 0.01				80%	120%
In	1	3623300	0.0825	0.0851	3.1%	< 0.005				80%	120%
La	1	3623300	0.71	0.77	8.1%	< 0.1				80%	120%
Li	1	3623300	1.8	1.8	0.0%	< 0.1				80%	120%
Mo	1	3623300	16.5	17.1	3.6%	< 0.05				80%	120%
Nb	1	3623300	< 0.05	< 0.05	0.0%	< 0.05				80%	120%
Pb	1	3623300	337	321	4.9%	< 0.1				80%	120%
Rb	1	3623300	8.3	8.7	4.7%	< 0.1				80%	120%
Re	1	3623300	< 0.001	0.001		< 0.001				80%	120%
Sb	1	3623300	0.91	0.92	1.1%	< 0.05				80%	120%
Sc	1	3623300	6.15	6.18	0.5%	< 0.1				80%	120%
Se	1	3623300	0.95	0.96	1.0%	< 0.2				80%	120%
Sn	1	3623300	< 0.2	< 0.2	0.0%	< 0.2				80%	120%
Sr	1	3623300	514	540	4.9%	< 0.2				80%	120%
Ta	1	3623300	< 0.01	< 0.01	0.0%	< 0.01				80%	120%
Te	1	3623300	0.071	0.053	29.0%	< 0.01				80%	120%
Th	1	3623300	< 0.1	< 0.1	0.0%	< 0.1	1.4	1.4	100%	80%	120%
Tl	1	3623300	0.15	0.15	0.0%	< 0.01				80%	120%
U	1	3623300	0.09	0.09	0.0%	< 0.05				80%	120%
W	1	3623300	0.27	0.28	3.6%	< 0.05				80%	120%
Y	1	3623300	6.95	7.00	0.7%	< 0.05	6	7	79%	80%	120%
Zr	1	3623300	< 0.5	< 0.5	0.0%	< 0.5				80%	120%
Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)											
Ag	1					< 0.01	12.6	13.0	97%	80%	120%
B	1					< 5	7.98	7.00	114%	80%	120%
Mo	1					< 0.05	361	350	103%	80%	120%
Th	1					< 0.1	1.3	1.4	92%	80%	120%

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Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3622993	18.8	17.9	4.9%	0.143	20.38	20.69	98%	90%	110%
BaO	1	3622993	0.050	0.047	6.2%	< 0.005	0.04	0.04	98%	90%	110%
CaO	1	3622993	4.06	3.94	3.0%	0.037	8.03	8.05	100%	90%	110%
Cr2O3	1	3623072	0.032	0.080		< 0.005		0.01		90%	110%
Fe2O3	1	3623072	4.13	4.46	7.7%	< 0.005	6.42	6.21	103%	90%	110%
K2O	1	3622993	1.06	1.05	0.9%	0.006	1.71	1.66	103%	90%	110%
MgO	1	3622993	0.654	0.719	9.5%	0.010	0.55	0.54	101%	90%	110%
MnO	1	3622993	0.190	0.148	24.9%	0.010	0.113	0.108	105%	90%	110%
Na2O	1	3622993	3.25	3.11	4.4%	0.080	7.53	7.10	106%	90%	110%
P2O5	1	3622993	0.127	0.104	19.9%	< 0.005	0.108	0.131	82%	90%	110%
SiO2	1	3622993	51.5	49.3	4.4%	0.282	49.5	49.9	99%	90%	110%
TiO2	1	3622993	0.867	0.815	6.2%	< 0.005	0.284	0.287	99%	90%	110%
SrO	1	3622993	0.029	0.027	7.1%	< 0.005	0.13	0.14	93%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623000	12.5	12.4	0.8%	< 0.005	20.4	20.69	99%	90%	110%
BaO	1	3623000	0.071	0.073	2.8%	< 0.005	0.04	0.04	100%	90%	110%
CaO	1	3623000	3.02	3.04	0.7%	< 0.005	8.54	8.05	106%	90%	110%
Cr2O3	1	3623000	0.245	0.209	15.9%	< 0.005		0.01		90%	110%
Fe2O3	1	3623000	6.03	6.02	0.2%	< 0.005	6.57	6.21	106%	90%	110%
K2O	1	3623000	3.07	3.01	2.0%	< 0.005	1.65	1.66	99%	90%	110%
MgO	1	3623000	2.32	2.31	0.4%	< 0.005	0.53	0.54	99%	90%	110%
MnO	1	3623000	0.089	0.080	10.7%	< 0.005	0.114	0.108	106%	90%	110%
Na2O	1	3623000	0.389	0.422	8.1%	< 0.005	7.37	7.10	104%	90%	110%
P2O5	1	3623000	0.129	0.157	19.6%	< 0.005	0.112	0.131	85%	90%	110%
SiO2	1	3623000	51.9	52.2	0.6%	< 0.005	50.7	49.9	102%	90%	110%
TiO2	1	3623000	0.635	0.630	0.8%	< 0.005	0.288	0.287	100%	90%	110%
SrO	1	3623000	0.020	0.024	18.2%	< 0.005	0.13	0.14	90%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623025	15.7	14.6	7.3%	< 0.005	19.14	20.69	93%	90%	110%
BaO	1	3623025	0.029	0.031	6.7%	< 0.005	0.04	0.04	95%	90%	110%
CaO	1	3623025	3.43	3.27	4.8%	< 0.005	7.63	8.05	95%	90%	110%
Cr2O3	1	3623093	0.086	0.092	6.7%	< 0.005		0.01		90%	110%
Fe2O3	1	3623025	6.18	6.60	6.6%	< 0.005	6.19	6.21	100%	90%	110%
K2O	1	3623025	0.727	0.714	1.8%	< 0.005	1.6	1.66	97%	90%	110%
MgO	1	3623025	2.11	2.01	4.9%	< 0.005	0.54	0.54	100%	90%	110%
MnO	1	3623025	0.0893	0.0960	7.2%	< 0.005	0.114	0.108	106%	90%	110%
Na2O	1	3623025	7.97	7.51	5.9%	< 0.005	6.48	7.10	91%	90%	110%
P2O5	1	3623025	0.102	0.084	19.4%	< 0.005	0.114	0.131	87%	90%	110%
SiO2	1	3623025	52.6	49.1	6.9%	< 0.005	48.6	49.9	97%	90%	110%
TiO2	1	3623025	0.705	0.667	5.5%	< 0.005	0.278	0.287	97%	90%	110%
SrO	1	3623025	0.073	0.071	2.8%	< 0.005	0.13	0.14	91%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Al2O3	1	3623045	12.7	13.3	4.6%	< 0.005	20.25	20.69	98%	90%	110%
BaO	1	3623045	0.070	0.076	8.2%	< 0.005	0.04	0.04	98%	90%	110%
CaO	1	3623045	3.21	3.30	2.8%	< 0.005	7.83	8.05	97%	90%	110%
Cr2O3	1	3623045	0.017	0.019	11.1%	< 0.005		0.01		90%	110%
Fe2O3	1	3623045	5.36	5.30	1.1%	< 0.005	5.95	6.21	96%	90%	110%
K2O	1	3623045	2.00	2.06	3.0%	< 0.005	1.59	1.66	96%	90%	110%
MgO	1	3623045	1.75	1.79	2.3%	< 0.005	0.54	0.54	100%	90%	110%
MnO	1	3623045	0.047	0.047	0.0%	< 0.005	0.111	0.108	103%	90%	110%
Na2O	1	3623045	1.15	1.19	3.4%	< 0.005	6.87	7.10	97%	90%	110%
P2O5	1	3623045	0.124	0.129	4.0%	< 0.005	0.127	0.131	97%	90%	110%
SiO2	1	3623045	58.1	59.7	2.7%	< 0.005	50.9	49.9	102%	90%	110%
TiO2	1	3623045	0.664	0.690	3.8%	< 0.005	0.274	0.287	95%	90%	110%
SrO	1	3623045	0.032	0.035	9.0%	< 0.005	0.13	0.14	91%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623119	6.65	5.77	14.2%	< 0.005	19.93	20.69	96%	90%	110%
BaO	1	3623119	0.011	0.008		< 0.005	0.04	0.04	95%	90%	110%
CaO	1	3623119	20.9	18.5	12.2%	< 0.005	7.88	8.05	98%	90%	110%
Cr2O3	1	3623119	1.26	0.085		< 0.005		0.01		90%	110%
Fe2O3	1	3623119	14.4	5.15		< 0.005	6.14	6.21	99%	90%	110%
K2O	1	3623119	0.412	0.359	13.7%	0.005	1.62	1.66	98%	90%	110%
MgO	1	3623119	4.92	4.26	14.4%	< 0.005	0.54	0.54	100%	90%	110%
MnO	1	3623119	0.361	0.180		< 0.005	0.115	0.108	106%	90%	110%
Na2O	1	3623119	1.26	1.08	15.4%	< 0.005	6.79	7.10	96%	90%	110%
P2O5	1	3623119	0.320	0.132		< 0.005	0.134	0.131	102%	90%	110%
SiO2	1	3623119	37.8	33.4	12.4%	< 0.005	50.3	49.9	101%	90%	110%
TiO2	1	3623119	0.320	0.143		< 0.005	0.277	0.287	97%	90%	110%
SrO	1	3623119	0.055	0.050	9.5%	< 0.005	0.13	0.14	94%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623125	11.0	10.0	9.5%	0.024	18.92	20.69	91%	90%	110%
BaO	1	3623125	0.104	0.095	9.0%	< 0.005	0.04	0.04	93%	90%	110%
CaO	1	3623125	14.4	13.2	8.7%	0.020	7.42	8.05	92%	90%	110%
Cr2O3	1	3623125	0.018	0.017	5.7%	0.006		0.01		90%	110%
Fe2O3	1	3623125	5.39	4.90	9.5%	0.031	5.75	6.21	93%	90%	110%
K2O	1	3623125	2.89	2.65	8.7%	0.032	1.52	1.66	91%	90%	110%
MgO	1	3623125	5.44	5.00	8.4%	0.029	0.51	0.54	94%	90%	110%
MnO	1	3623125	0.087	0.080	8.4%	0.021	0.107	0.108	99%	90%	110%
Na2O	1	3623125	1.52	1.39	8.9%	< 0.005	6.5	7.10	92%	90%	110%
P2O5	1	3623125	0.387	0.368	5.0%	< 0.005	0.126	0.131	96%	90%	110%
SiO2	1	3623125	32.6	30.1	8.0%	0.091	47.9	49.9	96%	90%	110%
TiO2	1	3623125	0.777	0.709	9.2%	0.023	0.263	0.287	92%	90%	110%
SrO	1	3623125	0.051	0.046	10.3%	< 0.005	0.12	0.14	87%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623136	15.5	14.5	6.7%	0.007	20.16	20.69	97%	90%	110%

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AGAT WORK ORDER: 12V632081
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Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
BaO	1	3623136	0.019	0.018	5.4%	< 0.005	0.04	0.04	95%	90%	110%
CaO	1	3623136	4.28	4.03	6.0%	0.007	7.81	8.05	97%	90%	110%
Cr2O3	1	3623136	0.070	0.063	10.5%	< 0.005		0.01		90%	110%
Fe2O3	1	3623136	5.53	5.31	4.1%	0.055	5.91	6.21	95%	90%	110%
K2O	1	3623136	0.277	0.275	0.7%	0.011	1.59	1.66	96%	90%	110%
MgO	1	3623136	2.58	2.41	6.8%	< 0.005	0.52	0.54	97%	90%	110%
MnO	1	3623136	0.045	0.044	2.2%	< 0.005	0.108	0.108	100%	90%	110%
Na2O	1	3623136	6.68	6.21	7.3%	< 0.005	6.97	7.10	98%	90%	110%
P2O5	1	3623136	0.082	0.091	10.4%	< 0.005	0.119	0.131	91%	90%	110%
SiO2	1	3623136	65.2	60.4	7.6%	0.100	50.5	49.9	101%	90%	110%
TiO2	1	3623136	0.973	0.901	7.7%	< 0.005	0.267	0.287	93%	90%	110%
SrO	1	3623136	0.012	0.014	15.4%	< 0.005	0.13	0.14	91%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623150	14.2	11.8	18.5%	< 0.005	19.78	20.69	96%	90%	110%
BaO	1	3623150	0.007	0.006	15.4%	< 0.005	0.04	0.04	100%	90%	110%
CaO	1	3623150	10.6	8.96	16.8%	< 0.005	7.51	8.05	93%	90%	110%
Cr2O3	1	3623150	0.020	0.015	28.6%	< 0.005		0.01		90%	110%
Fe2O3	1	3623150	10.8	8.94	18.8%	< 0.005	5.89	6.21	95%	90%	110%
K2O	1	3623150	0.328	0.257	24.3%	< 0.005	1.61	1.66	97%	90%	110%
MgO	1	3623150	6.09	5.14	16.9%	< 0.005	0.53	0.54	97%	90%	110%
MnO	1	3623150	0.167	0.142	16.2%	< 0.005	0.108	0.108	100%	90%	110%
Na2O	1	3623150	2.17	1.78	19.7%	< 0.005	6.83	7.10	96%	90%	110%
P2O5	1	3623150	0.138	0.122	12.3%	< 0.005	0.122	0.131	93%	90%	110%
SiO2	1	3623150	48.9	40.7	18.3%	< 0.005	49.6	49.9	99%	90%	110%
TiO2	1	3623150	1.41	1.20	16.1%	< 0.005	0.268	0.287	93%	90%	110%
SrO	1	3623150	0.021	0.020	4.9%	< 0.005	0.13	0.14	92%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623175	14.2	14.8	4.1%	< 0.005	18.98	20.69	92%	90%	110%
BaO	1	3623175	0.012	0.013	8.0%	< 0.005	0.04	0.04	93%	90%	110%
CaO	1	3623175	7.53	7.72	2.5%	< 0.005	7.24	8.05	90%	90%	110%
Cr2O3	1	3623175	0.012	0.012	0.0%	< 0.005		0.01		90%	110%
Fe2O3	1	3623175	9.90	10.2	3.0%	< 0.005	6.06	6.21	98%	90%	110%
K2O	1	3623175	0.182	0.177	2.8%	< 0.005	1.59	1.66	96%	90%	110%
MgO	1	3623175	4.89	5.10	4.2%	< 0.005	0.54	0.54	99%	90%	110%
MnO	1	3623175	0.140	0.142	1.4%	< 0.005	0.111	0.108	103%	90%	110%
Na2O	1	3623175	2.39	2.51	4.9%	< 0.005	6.63	7.10	93%	90%	110%
P2O5	1	3623175	0.122	0.129	5.6%	< 0.005	0.133	0.131	102%	90%	110%
SiO2	1	3623175	51.1	53.1	3.8%	< 0.005	47.7	49.9	96%	90%	110%
TiO2	1	3623175	1.28	1.33	3.8%	< 0.005	0.274	0.287	95%	90%	110%
SrO	1	3623175	0.021	0.021	0.0%	< 0.005	0.13	0.14	92%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623191	11.9	11.7	1.7%	< 0.005	19.18	20.69	93%	90%	110%
BaO	1	3623191	0.059	0.056	5.2%	< 0.005	0.04	0.04	90%	90%	110%

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Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
CaO	1	3623191	8.08	7.98	1.2%	< 0.005	7.32	8.05	91%	90%	110%
Cr2O3	1	3623191	0.013	0.010	26.1%	< 0.005		0.01		90%	110%
Fe2O3	1	3623191	9.08	9.13	0.5%	< 0.005	6.21	6.21	100%	90%	110%
K2O	1	3623191	2.84	2.76	2.9%	< 0.005	1.56	1.66	94%	90%	110%
MgO	1	3623191	5.94	5.85	1.5%	< 0.005	0.51	0.54	95%	90%	110%
MnO	1	3623191	0.185	0.184	0.5%	< 0.005	0.114	0.108	106%	90%	110%
Na2O	1	3623191	1.49	1.46	2.0%	< 0.005	6.68	7.10	94%	90%	110%
P2O5	1	3623191	0.082	0.066	21.6%	< 0.005	0.126	0.131	96%	90%	110%
SiO2	1	3623191	44.1	43.2	2.1%	< 0.005	48.8	49.9	98%	90%	110%
TiO2	1	3623191	1.04	1.03	1.0%	< 0.005	0.263	0.287	92%	90%	110%
SrO	1	3623191	0.033	0.033	0.0%	< 0.005	0.13	0.14	89%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623200	12.5	13.1	4.7%	< 0.005	18.15	20.69	88%	90%	110%
BaO	1	3623200	0.026	0.028	7.4%	< 0.005	0.04	0.04	88%	90%	110%
CaO	1	3623200	7.84	8.22	4.7%	< 0.005	7.1	8.05	88%	90%	110%
Cr2O3	1	3623200	0.007	0.008	13.3%	< 0.005		0.01		90%	110%
Fe2O3	1	3623200	9.73	9.98	2.5%	< 0.005	7.14	6.21	115%	90%	110%
K2O	1	3623200	2.70	2.87	6.1%	< 0.005	1.52	1.66	91%	90%	110%
MgO	1	3623200	4.67	4.91	5.0%	< 0.005	0.5	0.54	92%	90%	110%
MnO	1	3623200	0.200	0.209	4.4%	< 0.005	0.131	0.108	121%	90%	110%
Na2O	1	3623200	4.51	4.74	5.0%	< 0.005	6.38	7.10	90%	90%	110%
P2O5	1	3623200	0.141	0.139	1.4%	< 0.005	0.128	0.131	98%	90%	110%
SiO2	1	3623200	48.5	50.6	4.2%	< 0.005	46.1	49.9	92%	90%	110%
TiO2	1	3623200	1.37	1.42	3.6%	< 0.005	0.263	0.287	92%	90%	110%
SrO	1	3623200	0.030	0.031	3.3%	< 0.005	0.12	0.14	86%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623214	12.6	15.4	20.0%	< 0.005	18.32	20.69	89%	90%	110%
BaO	1	3623214	0.156	0.195	22.2%	< 0.005	0.04	0.04	90%	90%	110%
CaO	1	3623214	5.93	7.25	20.0%	< 0.005	7.03	8.05	87%	90%	110%
Cr2O3	1	3623214	0.009	0.037		< 0.005		0.01		90%	110%
Fe2O3	1	3623214	9.53	12.1	23.8%	< 0.005	5.87	6.21	94%	90%	110%
K2O	1	3623214	3.05	3.80	21.9%	< 0.005	1.57	1.66	95%	90%	110%
MgO	1	3623214	4.41	5.46	21.3%	< 0.005	0.52	0.54	97%	90%	110%
MnO	1	3623214	0.211	0.383		< 0.005	0.108	0.108	100%	90%	110%
Na2O	1	3623214	2.35	2.82	18.2%	< 0.005	6.45	7.10	91%	90%	110%
P2O5	1	3623214	0.092	0.115	22.2%	< 0.005	0.137	0.131	105%	90%	110%
SiO2	1	3623214	36.3	44.1	19.4%	< 0.005	46.2	49.9	93%	90%	110%
TiO2	1	3623214	1.08	1.51		< 0.005	0.266	0.287	93%	90%	110%
SrO	1	3623214	0.057	0.070	20.5%	< 0.005	0.13	0.14	90%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623225	12.6	12.8	1.6%	< 0.005		20.69		90%	110%
BaO	1	3623225	< 0.005	< 0.005	0.0%	< 0.005		0.04		90%	110%
CaO	1	3623225	4.96	4.93	0.6%	< 0.005		8.05		90%	110%

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Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Cr2O3	1	3623225	0.007	0.006	15.4%	< 0.005		0.01		90%	110%
Fe2O3	1	3623225	10.0	10.4	3.9%	< 0.005		6.21		90%	110%
K2O	1	3623225	0.169	0.180	6.3%	< 0.005		1.66		90%	110%
MgO	1	3623225	5.00	5.05	1.0%	< 0.005		0.54		90%	110%
MnO	1	3623225	0.187	0.194	3.7%	< 0.005		0.108		90%	110%
Na2O	1	3623225	4.44	4.54	2.2%	< 0.005		7.10		90%	110%
P2O5	1	3623225	0.115	0.116	0.9%	< 0.005		0.131		90%	110%
SiO2	1	3623225	50.5	51.2	1.4%	< 0.005		49.9		90%	110%
TiO2	1	3623225	1.25	1.27	1.6%	< 0.005		0.287		90%	110%
SrO	1	3623225	0.007	0.006	15.4%	< 0.005		0.14		90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623243	11.8	12.4	5.0%	< 0.005		20.69		90%	110%
BaO	1	3623243	0.058	0.044	27.5%	< 0.005		0.04		90%	110%
CaO	1	3623243	7.39	4.54		< 0.005		8.05		90%	110%
Cr2O3	1	3623243	0.016	< 0.005		< 0.005		0.01		90%	110%
Fe2O3	1	3623243	8.59	10.3	18.1%	< 0.005		6.21		90%	110%
K2O	1	3623243	1.83	3.16		< 0.005		1.66		90%	110%
MgO	1	3623243	5.55	4.15	28.9%	< 0.005		0.54		90%	110%
MnO	1	3623243	0.323	0.236		< 0.005		0.108		90%	110%
Na2O	1	3623243	4.86	3.77	25.3%	< 0.005		7.10		90%	110%
P2O5	1	3623243	0.139	0.111	22.4%	< 0.005		0.131		90%	110%
SiO2	1	3623243	62.5	47.2	27.9%	< 0.005		49.9		90%	110%
TiO2	1	3623243	0.982	1.35		< 0.005		0.287		90%	110%
SrO	1	3623243	0.061	0.027		< 0.005		0.14		90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623250	9.68	10.8	10.9%	< 0.005		20.69		90%	110%
BaO	1	3623250	0.013	0.015	14.3%	< 0.005		0.04		90%	110%
CaO	1	3623250	3.13	3.43	9.1%	< 0.005		8.05		90%	110%
Cr2O3	1	3623250	< 0.005	< 0.005	0.0%	< 0.005		0.01		90%	110%
Fe2O3	1	3623250	7.98	9.12	13.3%	< 0.005		6.21		90%	110%
K2O	1	3623250	0.377	0.439	15.2%	< 0.005		1.66		90%	110%
MgO	1	3623250	2.46	2.76	11.5%	< 0.005		0.54		90%	110%
MnO	1	3623250	0.171	0.196	13.6%	< 0.005		0.108		90%	110%
Na2O	1	3623250	3.52	3.94	11.3%	< 0.005		7.10		90%	110%
P2O5	1	3623250	0.111	0.122	9.4%	< 0.005		0.131		90%	110%
SiO2	1	3623250	36.7	41.0	11.1%	< 0.005		49.9		90%	110%
TiO2	1	3623250	1.09	1.23	12.1%	< 0.005		0.287		90%	110%
SrO	1	3623250	0.010	0.007		< 0.005		0.14		90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623267	10.6	10.4	1.9%	< 0.005		20.69		90%	110%
BaO	1	3623267	< 0.005	< 0.005	0.0%	< 0.005		0.04		90%	110%
CaO	1	3623267	3.74	3.71	0.8%	< 0.005		8.05		90%	110%
Cr2O3	1	3623267	0.007	0.007	0.0%	< 0.005		0.01		90%	110%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
Fe2O3	1	3623267	7.98	7.77	2.7%	< 0.005		6.21		90%	110%
K2O	1	3623267	0.163	0.160	1.9%	< 0.005		1.66		90%	110%
MgO	1	3623267	3.68	3.62	1.6%	< 0.005		0.54		90%	110%
MnO	1	3623267	0.177	0.172	2.9%	< 0.005		0.108		90%	110%
Na2O	1	3623267	3.92	3.85	1.8%	< 0.005		7.10		90%	110%
P2O5	1	3623267	0.091	0.075	19.3%	< 0.005		0.131		90%	110%
SiO2	1	3623267	38.9	38.4	1.3%	< 0.005		49.9		90%	110%
TiO2	1	3623267	0.933	0.913	2.2%	< 0.005		0.287		90%	110%
SrO	1	3623267	0.010	0.011	9.5%	< 0.005		0.14		90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623275	11.2	11.8	5.2%	< 0.005		20.69		90%	110%
BaO	1	3623275	0.021	0.021	0.0%	< 0.005		0.04		90%	110%
CaO	1	3623275	5.17	5.48	5.8%	< 0.005		8.05		90%	110%
Cr2O3	1	3623275	0.005	0.006	18.2%	< 0.005		0.01		90%	110%
Fe2O3	1	3623275	9.09	9.64	5.9%	< 0.005		6.21		90%	110%
K2O	1	3623275	1.89	1.97	4.1%	< 0.005		1.66		90%	110%
MgO	1	3623275	3.60	3.79	5.1%	< 0.005		0.54		90%	110%
MnO	1	3623275	0.213	0.228	6.8%	< 0.005		0.108		90%	110%
Na2O	1	3623275	3.06	3.21	4.8%	< 0.005		7.10		90%	110%
P2O5	1	3623275	0.126	0.134	6.2%	< 0.005		0.131		90%	110%
SiO2	1	3623275	44.2	46.7	5.5%	< 0.005		49.9		90%	110%
TiO2	1	3623275	1.14	1.19	4.3%	< 0.005		0.287		90%	110%
SrO	1	3623275	0.022	0.022	0.0%	< 0.005		0.14		90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623292	13.5	13.3	1.5%	< 0.005		20.69		90%	110%
BaO	1	3623292	0.068	0.072	5.7%	< 0.005		0.04		90%	110%
CaO	1	3623292	5.62	5.56	1.1%	< 0.005		8.05		90%	110%
Cr2O3	1	3623292	0.021	0.020	4.9%	< 0.005		0.01		90%	110%
Fe2O3	1	3623292	10.9	10.7	1.9%	< 0.005		6.21		90%	110%
K2O	1	3623292	3.38	3.31	2.1%	< 0.005		1.66		90%	110%
MgO	1	3623292	5.90	5.79	1.9%	< 0.005		0.54		90%	110%
MnO	1	3623292	0.284	0.212	29.0%	< 0.005		0.108		90%	110%
Na2O	1	3623292	1.92	1.93	0.5%	< 0.005		7.10		90%	110%
P2O5	1	3623292	0.096	0.109	12.7%	< 0.005		0.131		90%	110%
SiO2	1	3623292	48.3	47.9	0.8%	< 0.005		49.9		90%	110%
TiO2	1	3623292	1.07	0.978	9.0%	< 0.005		0.287		90%	110%
SrO	1	3623292	0.029	0.027	7.1%	< 0.005		0.14		90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623300	13.2	14.0	5.9%	< 0.005		20.69		90%	110%
BaO	1	3623300	0.129	0.135	4.5%	< 0.005		0.04		90%	110%
CaO	1	3623300	7.81	8.34	6.6%	< 0.005		8.05		90%	110%
Cr2O3	1	3623300	0.014	0.016	13.3%	< 0.005		0.01		90%	110%
Fe2O3	1	3623300	10.3	10.3	0.0%	< 0.005		6.21		90%	110%

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Quality Assurance

CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits Lower	Acceptable Limits Upper
K2O	1	3623300	2.25	2.34	3.9%	< 0.005		1.66		90%	110%
MgO	1	3623300	4.80	5.10	6.1%	< 0.005		0.54		90%	110%
MnO	1	3623300	0.298	0.311	4.3%	< 0.005		0.108		90%	110%
Na2O	1	3623300	4.05	4.27	5.3%	< 0.005		7.10		90%	110%
P2O5	1	3623300	0.085	0.099	15.2%	< 0.005		0.131		90%	110%
SiO2	1	3623300	39.7	42.1	5.9%	< 0.005		49.9		90%	110%
TiO2	1	3623300	0.934	0.992	6.0%	< 0.005		0.287		90%	110%
SrO	1	3623300	0.077	0.081	5.1%	< 0.005		0.14		90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623310	11.5	14.2	21.0%	< 0.005		20.69		90%	110%
BaO	1	3623310	0.026	0.033	23.7%	< 0.005		0.04		90%	110%
CaO	1	3623310	5.88	7.35	22.2%	< 0.005		8.05		90%	110%
Cr2O3	1	3623310	0.014	0.020		< 0.005		0.01		90%	110%
Fe2O3	1	3623310	7.56	8.92	16.5%	< 0.005		6.21		90%	110%
K2O	1	3623310	2.37	2.97	22.5%	< 0.005		1.66		90%	110%
MgO	1	3623310	4.52	5.56	20.6%	< 0.005		0.54		90%	110%
MnO	1	3623310	0.127	0.149	15.9%	< 0.005		0.108		90%	110%
Na2O	1	3623310	2.88	3.55	20.8%	< 0.005		7.10		90%	110%
P2O5	1	3623310	0.064	0.097		< 0.005		0.131		90%	110%
SiO2	1	3623310	40.1	49.7	21.4%	< 0.005		49.9		90%	110%
TiO2	1	3623310	0.744	0.927	21.9%	< 0.005		0.287		90%	110%
SrO	1	3623310	0.020	0.023	14.0%	< 0.005		0.14		90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
Al2O3	1	3623318	6.46	7.08	9.2%	< 0.005		20.69		90%	110%
BaO	1	3623318	0.016	0.018	11.8%	< 0.005		0.04		90%	110%
CaO	1	3623318	0.268	0.289	7.5%	< 0.005		8.05		90%	110%
Cr2O3	1	3623318	0.007	0.009	25.0%	< 0.005		0.01		90%	110%
Fe2O3	1	3623318	8.84	9.80	10.3%	< 0.005		6.21		90%	110%
K2O	1	3623318	0.421	0.454	7.5%	< 0.005		1.66		90%	110%
MgO	1	3623318	4.17	4.57	9.2%	< 0.005		0.54		90%	110%
MnO	1	3623318	0.159	0.173	8.4%	< 0.005		0.108		90%	110%
Na2O	1	3623318	0.061	0.067	9.4%	< 0.005		7.10		90%	110%
P2O5	1	3623318	0.097	0.114	16.1%	< 0.005		0.131		90%	110%
SiO2	1	3623318	71.4	78.9	10.0%	< 0.005		49.9		90%	110%
TiO2	1	3623318	0.282	0.303	7.2%	< 0.005		0.287		90%	110%
SrO	1	3623318	< 0.005	< 0.005	0.0%	< 0.005		0.14		90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
LOI	1	3623000	8.09	8.17	1.0%	< 0.005	23.00	23.6	97%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
LOI	1	3623025	6.18	6.19	0.2%	< 0.005	23.05	23.6	97%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
LOI	1	3623050	9.82	9.81	0.1%	< 0.005	23.10	23.6	97%	90%	110%

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CLIENT NAME: BARKER MINERALS LTD.
AGAT WORK ORDER: 12V632081
PROJECT NO:
ATTENTION TO: LOUIS DOYLE

Solid Analysis (Continued)

RPT Date: Sep 27, 2012		REPLICATE				Method Blank	REFERENCE MATERIAL				
PARAMETER	Batch	Sample Id	Original	Rep #1	RPD		Result Value	Expect Value	Recovery	Acceptable Limits	
										Lower	Upper
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
LOI	1	3623100	16.23	16.30	0.4%	< 0.005	23.17	23.6	98%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
LOI	1	3623125	19.07	19.09	0.1%	< 0.005	23.14	23.6	98%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
LOI	1	3623144	7.25	5.45	28.3%	< 0.005	22.78	23.6	96%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
LOI	1	3623150	4.89	5.03	2.8%	< 0.005	23.17	23.6	98%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
LOI	1	3623175	4.43	4.43	0.0%	< 0.005	23.21	23.6	98%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
LOI	1	3623200	8.22	8.20	0.2%	< 0.005	23.27	23.6	98%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
LOI	1	3623225	8.87	8.92	0.6%	< 0.005	23.65	23.6	100%	90%	110%
Lithium Borate Fusion - Summation of Oxides, ICP-OES finish (201076)											
LOI	1	362330	10.66	10.57	0.8%	< 0.005	23.03	23.6	97%	90%	110%

Certified By: Ron Cardinall

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Method Summary

CLIENT NAME: BARKER MINERALS LTD.

AGAT WORK ORDER: 12V632081

PROJECT NO:

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Ag	MIN-200-12017		ICP-MS
Al	MIN-200-12017		ICP/OES
As	MIN-200-12017		ICP-MS
Au	MIN-200-12017		ICP-MS
B	MIN-200-12017		ICP/OES
Ba	MIN-200-12017		ICP-MS
Be	MIN-200-12017		ICP-MS
Bi	MIN-200-12017		ICP-MS
Ca	MIN-200-12017		ICP/OES
Cd	MIN-200-12017		ICP-MS
Ce	MIN-200-12017		ICP-MS
Co	MIN-200-12017		ICP-MS
Cr	MIN-200-12017		ICP/OES
Cs	MIN-200-12017		ICP-MS
Cu	MIN-200-12017		ICP-MS
Fe	MIN-200-12017		ICP/OES
Ga	MIN-200-12017		ICP-MS
Ge	MIN-200-12017		ICP-MS
Hf	MIN-200-12017		ICP-MS
Hg	MIN-200-12017		ICP-MS
In	MIN-200-12017		ICP-MS
K	MIN-200-12017		ICP/OES
La	MIN-200-12017		ICP-MS
Li	MIN-200-12017		ICP-MS
Mg	MIN-200-12017		ICP/OES
Mn	MIN-200-12017		ICP/OES
Mo	MIN-200-12017		ICP-MS
Na	MIN-200-12017		ICP/OES
Nb	MIN-200-12017		ICP-MS
Ni	MIN-200-12017		ICP-MS
P	MIN-200-12017		ICP/OES
Pb	MIN-200-12017		ICP-MS
Rb	MIN-200-12017		ICP-MS
Re	MIN-200-12017		ICP-MS
S	MIN-200-12017		ICP/OES
Sb	MIN-200-12017		ICP-MS
Sc	MIN-200-12017		ICP-MS
Se	MIN-200-12017		ICP-MS
Sn	MIN-200-12017		ICP-MS
Sr	MIN-200-12017		ICP-MS
Ta	MIN-200-12017		ICP-MS
Te	MIN-200-12017		ICP-MS
Th	MIN-200-12017		ICP-MS
Ti	MIN-200-12017		ICP/OES
Tl	MIN-200-12017		ICP-MS
U	MIN-200-12017		ICP-MS
V	MIN-200-12017		ICP/OES
W	MIN-200-12017		ICP-MS
Y	MIN-200-12017		ICP-MS

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Method Summary

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PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Zn	MIN-200-12017		ICP-MS
Zr	MIN-200-12017		ICP-MS
Sample Login Weight	MIN-12009		BALANCE
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Au-Grav			GRAVIMETRIC
Al2O3	MIN-200-12015		ICP/OES
BaO	MIN-200-12015		ICP/OES
CaO	MIN-200-12015		ICP/OES
Cr2O3	MIN-200-12015		ICP/OES
Fe2O3	MIN-200-12015		ICP/OES
K2O	MIN-200-12015		ICP/OES
MgO	MIN-200-12015		ICP/OES
MnO	MIN-200-12015		ICP/OES
Na2O	MIN-200-12015		ICP/OES
P2O5	MIN-200-12015		ICP/OES
SiO2	MIN-200-12015		ICP/OES
TiO2	MIN-200-12015		ICP/OES
SrO	MIN-200-12015		ICP/OES
LOI	MIN-200-12021		GRAVIMETRIC
Total			CALCULATION

Appendix 3

Black Bear – Drill Logs for DDH BB-2012-07 and BB-2012-09

BARKER MINERALS LTD.

DRILL HOLE NO. BB-2012 - 07

Dip & Azimuth Tests			BB-2012-07	Easting (NAD 83): 0606956	Core Size: NQ, BTW at 82.04m	Started: June 18, 2012
Depth	Dip	Azmth	Other tests	Northing (NAD 83): 5832840	Hole Azimuth: 0°	Finished: August 6, 2012
				Grid Location: 10 U	Hole Angle: 90°	Logged by: Bethany Duff
				Elevation: 1382m	Total Depth: 309.14m	Analysis by: AGAT LABS
						Drilling by: C. Best

Note: Azmths above are
Tests done using Reflex EZ-Shot.

Depth (m)										Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong)						
From	To		Description	% Py	% Cpy	% Sph	% Gal	% Mo	Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl	Ep	Reactions to Magnet and Acid.
			Purpose of hole is to better understand the model, the deeper hole wil provide more information.												
3.65	5.00		Overburden												
5.00	18.90		**Argillite/Mudstone**. Dk grey, graphitic on fracs @12 (30cm) lt grey oxidized rock. Very few veins, Qtz/Carb veins @14.89 (2cm), 15.58 (2cm), 16.30 (15cm, 4 veins), 17,.20 (1cm)	0.5											Fizz on veins, non magnetic
18.90	28.94		**Felsic Rock**. Med to lt grey/brown oxidized. Minor diss Py, Py more abdt near veins.	1			0.4				1	2			Strong fizz on alt and veins, non magnetic
			`@20.42 (23cm) rubbly Qtz vein, oxidized												
			`@22 (12cm) Qtz vein Py and Gal around edges												
			`@23..31 (29cm) thick Qtz vein, right edge oxidized, vuggy, massive Gal, at left edge a few Gal stringers. Mn staining on heavily oxidized sections.				4					5			
			`@24.75 (45cm) Qtz/Carb vein, Gal stringers, Py blebs, tr Chl	1			0.5				3	5	tr		Strong fizz, non magnetic
			`@26.02 (55cm) silicified section, minor Py and Gal												
			26.52 to 28.94 rubbly												
28.94	37.18		**Argillite/Mudstone**. Dk grey w/ med grey banding, diss Py	0.5											no fizz, non magnetic
			`@34.80 (37cm) lt grey rubble, lots of mica, soapy feel												
37.18	39.32		**Felsic Rock**. Lt grey to brown, silicified, diss Py												non magnetic, some fizz
			`@38.50 large Py blebs and Gal stringers												lots of fizz
			`@39 (7cm) Qtz vein tr Py otherwise barren												

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	% Mo	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl	Ep	Reactions to Magnet and Acid.
39.32	39.74		**Fault Gouge**												
39.74	42.27		**Argillite/Mudstone**. Dk to med grey, diss Py, minerals leached out (Py replaced by clay alt).	1											
			`@40.87 (20cm) more intense alt, Py stringers												
			`@41.28 (17cm) brecciated Qtz vein vein w/ minor Py and Gal												
42.27	46.56		**Felsic Rock**. Lt grey to white, highly silicified, intense alt, diss Py	4								4			
			`@42.64 (30cm) more mineralized, Py blebs, Gal stringers, poss tr Mo, Sph bleb w/ Gal, small vugs in Qtz, Bedding tilted; Fault?	0.4		0.3		tr							
			`@41.21 (16cm) intense alt, larger Py blebs												
			`@43.43 (10cm) Py and Sph stringers	3		1									
			`@43.58 (14cm) Massive Py	10											
			`@44.88 stringer of Cr mica						2						
46.56	52.30		**Argillite/Mudstone**. Gradational change from felsic to dk grey. Dk grey w/ carb veins, intense fizzing; Argilliceous limestone? Bedding tilted up to 47.85, Fault?	0.1							4				Intense fizzing in dk grey carb banded rock, non magnetic
			`@47.80 (7cm) barren Qtz vein												
			diss Py in non carbonate rock, oxidized, Py replaced by clay alt												
52.30	55.61		**Felsic Rock**. Gradational change into lt grey silicified rock. Diss Py, more abdt w/ alt	2								4			no fizz, non magnetic
			`@54.80 Py stringers w/ tr Gal												
			`@55 Py on fracs, tr Gal, @55.20 (6cm) barren looking Qtz vein w/ tr Cr mica						tr						
55.61	65.90		**Argillite/Mudstone**. Dk grey w/ minor Qtz veins, Diss Py, slatey cleavage	0.5								2			No fizz, non magnetic
			`@65 (16cm) Gouge, silty.												
65.90	85.76		**Argillite/Phyllite**. Dk grey Qtz/Carb banded, slatey cleavage, appearance of more Musc. Qtz has small vugs.	1							3	2			Fizzing on Qtz/Carb banding, Non magnetic

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	% Mo	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl	Ep	Reactions to Magnet and Acid.
			`@68.70 to 69.90 lighter grey/more alt, diss Py in highly alt zones.												
			70.71 to 73.76, wash out												
			`@80.76 (57cm) and 84.09 to 85.20 intensely alt, larger Py blebs and stringers	2											
85.76	86.26		Argillite/Phyllite. Rubble, graphitic												
86.26	90.90		**Felsic Rock**. Lt grey/brown, silicified, some distince veins other areas of high Qtz alt. Diss Py more in silicified zones.	1											
			`@86.54 (20cm) Qtz vein, tr Py, lots of mica of fracs, Musc w/ tr Cr mica, vuggy Qtz						tr						
			`@88.06 to 89.28 highly silicified alt, larger Py blebs and stringers, tr Gal, tr Chl, slightly brecciated	2											
			`@89.50 (5cm) slightly brecciated Qtz vein, Py stringers												
			Starts to grade into dk grey near end of section												
90.90	103.81		**Argillite/Mudstone**. Dk grey, alt Qtz/Carb banding, Py blebs and stringers, graphitic on fracs	2							3	2			Moderate fizz, non magnetic
			`@95.18 (2.5 cm) barren Qtz vein												
			`@103.68 (6cm) Qtz vein w/ Py stringers at edge								4	3			
103.81	122.50		Dk grey, Qtz/Carb banding, diss Py	3											Strong fizzing (lots of Carb veins), non magnetic
			`@118.31 (8cm) barren Qtz/Carb vein												
			`@120 to end of section, high silicified, high alt zone. Larger Py blebs @ 122.05 (11cm) Qtz vein.												
122.50	129.00		**Felsic Rock**. Grey w/ silicified zones, alternates a bit w/ dk grey argillite @124.97 (65cm), 126.35 (6cm), 126.60 (60cm) gradational change between 2 rock types. Diss Py mostly in dk grey	0.3							2	3			weak fizz, non magnetic
			`@122.73 (20cm) Cr mica alt as banding, flecks of Musc visible, and poss some Chl							3					
			`@123.23 (7cm) some Cr mica alt as well as on fracs												

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	% Mo	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl	Ep	Reactions to Magnet and Acid.
			`@128.8 (15cm) brecciated Qtz vein w/ Cr Mica stringers and on fracs, bleb of Sph	0.5		tr			3						
129.00	137.58		Felsic Rock. Grey, laminated, not as alt, diss Cr mica and Musc	tr					2		3	2			Moderate fizz, non magnetic
			`@129.90 (25cm) Py stringers w/ Cr mica												
137.58	139.15		Felsic Rock. Lt Grey, laminated, diss Cr mica and on fracs						2						fizz in only a few small Carb veins. Non magnetic
139.15	139.55		**Argillite/Mudstone**. Weak Chl, Musc on fracs, diss Py	1									1		
139.55	140.82		**Felsic Rock**. Lt grey, diss Py following fabric.	3								1			no fizz, non magnetic
			`@139.55 (6cm) Qtz/Carb vein w/ massive Py												
			`@140.35 soft grey mineral w/ grey streak?												
140.82	145.76		**Argillite/Mudstone**. Dk grey, laminated, diss Py, minor Qtz veins												
			`@145.08 (11cm) Felsic rock w/ Qtz veining												
145.76	158.51		**Felsic Rock**. Lt grey/green, laminated, porphyritic (Plag phenos), Chl alt, finely diss Py, minor Qtz veins and infill, diss Musc	0.5								2	4		Non magnetic, fizzes on a few Carb veins
			`@147.11 (4cm) Qtz vein w/ Chl and Musc/Plag phenos on either side												
			`@148.37 to 148.78 Chl alt Qtz vein, Py blebs	1											
			`@150.26 loses some of the porphyritic texture, Chl alt and brown clay alt Ser?							2			3		
			`@151.07 (5cm) Qtz/Carb vein barren w/ tr Py	tr											
			`@152.85 (15cm) Qtz vein w/ Clay alt, Py blebs, Chl alt, tr Cr Mica						1	3			2		
			`@153.20 (20cm) silicified zone, diss Py, clay (Ser?) alt, minor Chl w/ Musc												
158.51	163.68		Felsic Rock. Med grey, porhpyritic texture, magnetic, Chl alt.												
			`@159.52 marked magnetic on fracs, other areas also magnetic on fracs and rockmass, Magnetite.	tr							2		2		Minor fizz on carb veins, Magnetic on rockmass and fracs

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	% Mo	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl	Ep	Reactions to Magnet and Acid.
			`@162 (44cm) intense Carb and Chl alt, loses magnetism												
163.68	172.52		**Grey/ Green Volcanic.** Porhpyritic, dk grey, Chl alt volcanic.	1									2		Non magnetic
			`@164.83 (3cm) vuggy Qtz vein w/ soft grey/blk mineral w/ grey streak												
			`@166.32 (10cm) Qtz/Carb vein looks barren, tr Chl, slight rosey colour to Qtz												
			`@166.60 Plag phenos become abdt again												
			`@168.75 to 169.90 pyritic zone	5											
			`@171.18 biotite w/ Chl, micaceous on fracs												
			`@172.25 Ep alt											1	
172.52	193.83		Grey/Green Volcanic. Chl alt, a few silicified zones, Ep al appears more freq, magnetic, phenos are Ep altered	tr						1	3		3	1	Magnetic in less alt sections, some visible magnetite
			`@173.67 (30cm) more intense Ep alt, silicified w/ some Carb, Hem rim around a Carb vein											1	
			`@174.77 (40cm) silicified Chl alt zone, tr Py, slight pinkish colour to Qtz @175												
			`@178.69 (20cm) intense alt, Chl and Clay, tr Py												
			`@187.87 intense Ep alt w/ Carb and Hem staining in rockmass and on fracs											3	
			`@188.75 (23cm) silicified zone w/ Mag												
			`@189.40 (1cm) clay alt edged Qtz vein w/ Hem alt												
			`@190.20 (35cm) clay alt zone							3					
			`@190.70 to 191.87 Hem alt in bands and around Carb veins												
			`@193.03 (62cm) partially silicified/partially Chl alt, massive Ep alt, minor Hem alt on fracs												
193.83	197.67		Grey/Green Volcanic. Very little alt, not porphyritc.										3		Weakly magnetic in some areas, strong in others
			`@195.39 (25cm) Carb stringers red w/ Hem alt												
			`@196.50 (27cm) more grey colour, Carb alt, magnetic												
			`@197.14 (0.5) concentrated diss Mag												

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	% Mo	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl	Ep	Reactions to Magnet and Acid.
197.67	206.35		Grey/Green Volcanic. Carb alt, diss Mag, Chl alt	tr							2		3		very slight fizz, magnetic
			`@204.70 reappearance of plag phenos												
			`@204.32 to 206.35 more altered qtz & clay banding. No longer magnetic, does not fizz.												not magnetic, no fizz
206.35	216.12		**Felsic Rock**. Light to medium greay. Silicified and clay altered sections, some diss Mag, and micaceous on fracs	tr	tr					3		2			weakly magnetic, no fizz
			`@207 (42cm) silicified zone tr Py and poss tr Cpy, diss Mag, vuggy Qtz												
			`@207.87 (93cm), silicified w/ chl & clay alt, tr diss Py, diss Mag, micaceous on fracs												
			`@209.30 and 211.40 clay altered areas w/ more Py												
			`@211.90 (30cm) clay altered, leached, conglomerate, diss Py, clasts range from mm's to 1-2cm												
			`@212.55 (45cm) altered w/ white clay - Kaolinite? Diss Py, clay is chalky & greasy feeling, does not fizz, turns pasty when wet.												
			`@212.42 band of blebby Py & small Qtz vug												
216.12	219.00		**Dark grey/blk Rock**. w/ clay feldspar alteration, diss Py, Chl alteration	0.2						2		2	2		very weak fizz, non magnetic
			`@216.84 (5cm) silicified zone, slight carbonate alt, Py blebs w/ Chl and Biotite?												
			`@217.77 (23cm) grades back into felsic silicified rock, diss Py												
			`@218.37 (9cm) tr Py, barren Qtz vein												
219.00	225.00		**Felsic Rock**. Clay altered, light grey to brown w/ silicified zones, diss Py and on fractures	0.2											no fizz, non magnetic
			`@219.08 (30cm) silicified w/ Py and Chl alteration	0.5											
225.00	228.13		Felsic Rock. Grey to brown, zone of high silicification & mineralization, blebby/diss Py	2								4	2		no fizz, non magnetic
			`@225.60 grey metallic mineral, possibly from PGE's?												

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	% Mo	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl	Ep	Reactions to Magnet and Acid.
			`@225.77 (20cm) Qtz vein w/ few Py blebs up to 1cm, on both edges of vein very micaceous, Mus w/ some Chl alteration												
			`@126.60 (19cm) stringers of mica/Chl as well as Py stringers												
228.13	229.21		**Dark grey/blk Rock**. Banded, silicified zones, diss Py, Chl & clay alteration	0.5								2	3		no fizz, non magnetic
229.21	232.48		Felsic Rock. Grey/green, clay and Chl alteration, minor Qtz veins throughout.	tr								2	3		no fizz, weakly magnetic in less altered zones
			`@229.34 (17cm) silicified zone w/ Py stringers												
			`@231.83 (65cm) grey, siliceous, yellowish/brown alt on Qtz, grey mineral possibly ArsPy (232.32)												
232.48	235.30		**Grey/Green Volcanic**. Porphyritic, @233 to 235.30 less alteration, although still serecite and Chl rich. No visible Py.												
235.30	239.66		**Felsic Rock**. Grey/green, clay and Chl alteration												
			`@236.04 possible Tourmaline on fracture surface, small thin, hard, needle like mineral.												
			`@236.37 (15cm) silicified zone, Py on fracs												
239.66	243.94		Felsic Rock. Pale grey/brown, silicified, diss Py	0.3								2			no fizz, non magnetic
			`@240.80 to 243.94 grey/green colour, minor clay alteration, magnetic @241.95, no visible Mag	tr									2		no fizz, weakly magnetic
243.94	249.74		Felsic Rock. Light brown/grey, greenish in some areas from Chl alteration, tr diss Py, clay alteration	tr						1		2	1		weakly magnetic, no fizz
			`@244.56 (7cm) silicified zone, diss Py												
			`@246.40 (25cm) clay & Chl altered silicified zone												
249.74	256.45		**Dark grey/blk rock**. Banded, diss Py												
			`@250.88 (5cm) & 251.35 (60cm) silicified zone, larger Py blebs												
			`@253.28 (35cm) Qtz vein, large blebs Py, tr possible Tourmaline												
256.45	263.94		**Grey/ Green Volcanic**. Alternates btwn porphyrytic texture & clay alteration, tr diss Py	tr									2		Magnetic in less alt zones, fizzes on carb banding
			`@259 (20cm) silica & clay alteration, more Py												

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	% Mo	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl	Ep	Reactions to Magnet and Acid.
			weakly magnetic in less altered zones												
263.94	269.93		**Felsic Rock**. Medium grey, Chl altered, contains phenocrysts												
			`@264.30 (10cm) silicified w/ Py & mica (Cr? & Mus)						tr			2	2		
			fuzzy contact back to grey/green volcanic												
269.93	282.72		**Grey/Green Volcanic.**												
			`@276.76 to 277, Py rich, silcified Chl/Ser altered, Mag oxidizing to Hem, Epidote alt, carbonate alt.	0.3						3	2	3	2	2	weakly magnetic, carbonate zones fizz
282.72	283.05		**Felsic Silty Sandstone**. Light grey, small Py blebs, silicified.	0.3								3			No fizz, non magnetic
283.05	285.44		**Grey/Green Volcanic**. Fuzzy contact between Felsic rock. Thinly bedded carbonates Chl/Ser alt phenocrysts.												
			`@284.07 (29cm) Qtz alt zone w/ Chl and Carb alteration, Epidote **(can see crystals)**											2	
285.44	288.07		Grey/Green Volcanic. w/ blk Chl banding, some carbonate alt & more diss Py. Can still see phenos but they have been stretched, Chl & Ser alt give rock green colour.	0.3						2	2	1	3		Slight fizz on minor Carb, very weakly magnetic
288.07	308.40		**Quartzite**. Light to medium grey, banded w/ Chl & Ser alt. Brown bands possibly ankorite, Py diss & on fracs	0.3			tr		1	1		4	3		No Fizz, non magnetic except minor Pyrrotite
			`@288.28 (4cm) Qtz vein w/ metallic, needle like magnetic mineral												
			`@289.60 1cm Py blebs w/ Gal												
			`@292.47 (9cm) Qtz vein, tr Py, Gal & Mo					tr							
			`@296.60 (12cm) very fractured, clay/Ser? Altered, very micaceous on fracs, Cr mica												
			`@298.90 to 299.90, intense clay alteration leached from hydrothermal fluids, a few Qtz clasts up to 1cm, very crumbly												
			`@300.20 (27cm) large stringer of Py, Gal & Mo w/ smaller Py blebs & Gal stringers, tr Cr mica					tr							

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	% Mo	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl	Ep	Reactions to Magnet and Acid.
			`@301 Pyrrotite bleb												
			`@302.80 (79cm) intense blk Chl alteration												
			`@303.23 tr Cpy												
			`@306.25 (3cm) vuggy Qtz vein w/ Py												
308.40	309.14		**Quartz Vein**			0.2			1			5			no fizz, non magnetic
	EOH		Pure white, Cr Mica and Mus?, 3cm long bleb Sph w/ Gal												

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DRILL HOLE No. BB-2012-07

Sample Intervals: BB-2012-07											
Certificate Number	Sample Number	From (metres)	To (metres)	Sample Width (m)	g Notes						
	10155	5.00	8.00	3.00	mudstone						
	10156	8.00	9.00	1.00	mudstone						
	10157	9.00	10.00	1.00	mudstone						
	10158	10.00	11.00	1.00	mudstone						
	10159	11.00	12.00	1.00	mudstone						
	10160	12.00	12.30	0.30	oxidized felsic rock						
	10161	12.30	14.00	1.70	mudstone						
	10162	14.00	15.00	1.00	mudstone						
	10163	15.00	16.00	1.00	mudstone						
	10164	16.00	17.00	1.00	mudstone						
	10165	17.00	18.90	1.90	mudstone						
	10166	18.90	20.75	1.85	oxidized felsic rock, pebbly qtz						
	10167	20.75	21.58	0.83	felsic rock						
	10168	21.58	22.00	0.42	felsic rock						
	10169	22.00	23.00	1.00	felsic rock						
	10170	23.00	23.70	0.70	qtz vein w/ Gal						
	10171	23.70	24.75	1.05	oxidized felsic rock						
	10172	24.75	25.40	0.65	qtz vein, Gal + Py, Chl?						
	10173	25.40	26.00	0.60	felsic rock						
	10174	26.00	27.00	1.00	oxidized rubbly felsic rock						
	10175	27.00	28.00	1.00	oxidized rubbly felsic rock						
	07001	28.00	29.00	1.00	oxidized rubbly felsic rock						
	07002	29.00	30.00	1.00	mudstone						
	07003	30.00	32.00	2.00	mudstone						
	07004	32.00	33.00	1.00	mudstone						
	07005	33.00	34.00	1.00	mudstone						
	07006	34.00	35.00	1.00	mudstone						
	07007	35.00	36.00	1.00	mudstone						
	07008	36.00	37.18	1.18	mudstone						
	07009	37.18	38.00	0.82	felsic rock						
	07010	38.00	39.32	1.32	altered felsic rock						
	07011	39.32	39.74	0.42	Gouge						
	07012	39.74	41.00	1.26	mudstone						

BARKER MINERALS LTD.

DRILL HOLE No. BB-2012-07

Sample Intervals: BB-2012-07											
Certificate Number	Sample Number	From (metres)	To (metres)	Sample Width (m)	g m						
	07013	41.00	42.27	1.27	mudstone						
	07014	42.27	42.80	0.53	felsic rock						
	07015	42.80	43.14	0.34	Qtz vein w/ Sph + Gal						
	07016	43.14	44.04	0.90	felsic rock						
	07017	44.04	44.32	0.28	altered felsic rock, Cr mica? Py						
	07018	44.32	44.58	0.26	qtz vein						
	07019	44.58	44.81	0.23	qtz vein, massive Py						
	07020	44.81	46.00	1.19	altered felsic rock, Cr mica						
	07021	46.00	46.56	0.56	felsic rock, bedding tilted						
	07022	46.56	47.50	0.94	mudstone						
	07023	47.50	49.00	1.50	mudstone						
	07024	49.00	50.00	1.00	mudstone						
	07025	50.00	51.00	1.00	mudstone						
	07026	51.00	52.30	1.30	felsic rock						
	07027	52.30	53.00	0.70	felsic rock						
	07028	53.00	54.00	1.00	felsic rock						
	07029	54.00	54.60	0.60	felsic rock						
	07030	54.60	55.00	0.40	felsic rock						
	07031	55.00	55.61	0.61	felsic rock						
	07032	55.61	57.00	1.39	mudstone						
	07033	57.00	58.00	1.00	mudstone						
	07034	58.00	59.00	1.00	mudstone						
	07035	59.00	60.00	1.00	mudstone						
	07036	60.00	61.00	1.00	mudstone						
	07037	61.00	62.00	1.00	mudstone						
	07038	62.00	63.00	1.00	mudstone						
	07039	63.00	64.00	1.00	mudstone						
	07040	64.00	65.00	1.00	mudstone						
	07041	65.00	65.90	0.90	mudstone						
	07042	65.90	67.00	1.10	mudstone						
	07043	67.00	68.00	1.00	mudstone						
	07044	68.00	69.00	1.00	mudstone						
	07045	69.00	70.00	1.00	mudstone						

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DRILL HOLE No. BB-2012-07

Sample Intervals: BB-2012-07											
Certificate Number	Sample Number	From (metres)	To (metres)	Sample Width (m)	g m						
	07046	70.00	70.71	0.71	phyllite						
	07047	70.71	76.00	5.29	rubbly mudstone						
	07048	76.00	77.00	1.00	mudstone						
	07049	77.00	78.00	1.00	mudstone						
	07050	78.00	79.00	1.00	mudstone						
	07051	79.00	80.00	1.00	mudstone/phyllite						
	07052	80.00	81.00	1.00	mudstone/phyllite						
	07053	81.00	82.04	1.04	mudstone/phyllite						
	07054	82.04	84.43	2.39	mudstone/phyllite						
	07055	84.43	85.39	0.96	altered mudstone/phyllite						
	07056	85.39	86.26	0.87	rubbly mudstone/phyllite						
	07057	86.26	87.00	0.74	felsic rock ,Qtz vein w/ mica						
	07058	87.00	88.00	1.00	felsic rock						
	07059	88.00	89.00	1.00	felsic rock						
	07060	89.00	90.00	1.00	felsic rock						
	07061	90.00	90.90	0.90	felsic rock						
	07062	90.90	92.00	1.10	mudstone						
	07063	92.00	93.00	1.00	mudstone						
	07064	93.00	94.00	1.00	altered mudstone						
	07065	94.00	95.00	1.00	fissile mudstone						
	07066	95.00	96.00	1.00	mudstone w/ Qtz veining						
	07067	96.00	97.00	1.00	mudstone						
	07068	97.00	98.00	1.00	mudstone						
	07069	98.00	99.00	1.00	mudstone						
	07070	99.00	100.00	1.00	mudstone						
	07071	100.00	101.00	1.00	mudstone						
	07072	101.00	102.00	1.00	mudstone						
	07073	102.00	103.00	1.00	mudstone						
	07074	103.00	104.00	1.00	mudstone w/ Qtz vein						
	07075	104.00	105.00	1.00	mudstone						
	07076	105.00	106.00	1.00	mudstone						
	07077	106.00	107.00	1.00	mudstone						
	07078	107.00	108.00	1.00	mudstone						

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DRILL HOLE No. BB-2012-07

Sample Intervals: BB-2012-07											
Certificate Number	Sample Number	From (metres)	To (metres)	Sample Width (m)	g m						
	07079	108.00	109.00	1.00	mudstone						
	07080	109.00	110.00	1.00	mudstone						
	07081	110.00	111.00	1.00	mudstone						
	07082	111.00	112.00	1.00	mudstone						
	07083	112.00	113.00	1.00	mudstone						
	07084	113.00	114.00	1.00	dk grey mudstone, more Py						
	07085	114.00	115.00	1.00	mudstone						
	07086	115.00	116.00	1.00	mudstone						
	07087	116.00	117.00	1.00	mudstone						
	07088	117.00	118.00	1.00	mudstone						
	07089	118.00	119.00	1.00	mudstone w/ Qtz/Carb vein						
	07090	119.00	120.00	1.00	mudstone						
	07091	120.00	121.00	1.00	highly altered mudstone						
	07092	121.00	122.00	1.00	highly altered mudstone						
	07093	122.00	122.50	0.50	altered mudstone						
	07094	122.50	123.35	0.85	felsic rock, a little bit of Ep alt						
	07095	123.35	124.00	0.65	felsic rock						
	07096	124.00	124.97	0.97	felsic rock						
	07097	124.97	125.58	0.61	mudstone						
	07098	125.58	126.68	1.10	mudstone						
	07099	126.68	127.23	0.55	mudstone						
	07100	127.23	128.00	0.77	felsic rock						
	07101	128.00	128.63	0.63	felsic rock						
	07102	128.63	129.28	0.65	felsic rock w/ brecciated qtz vein w/ Sphy + Cr mica						
	07103	129.28	129.88	0.60	felsic rock						
	07104	129.88	130.64	0.76	felsic rock silicified Chl banded						
	07105	130.64	131.00	0.36	felsic rock						
	07106	131.00	132.00	1.00	felsic rock/Qtzite						
	07107	132.00	133.00	1.00	felsic rock/Qtzite						
	07108	133.00	134.00	1.00	felsic rock/Qtzite						
	07109	134.00	135.00	1.00	felsic rock						
	07110	135.00	136.00	1.00	banded felsic rock						
	07111	136.00	137.00	1.00	felsic rock						

DRILL HOLE No. BB-2012-07

Sample Intervals: BB-2012-07					
Certificate Number	Sample Number	From (metres)	To (metres)	Sample Width (m)	Description
	07112	137.00	137.58	0.58	banded felsic rock
	07113	137.58	138.00	0.42	lt grey Qtzite? w/ Cr mica
	07114	138.00	139.15	1.15	Qtzite, diss Cr mica
	07115	139.15	139.55	0.40	mudstone
	07116	139.55	139.76	0.21	brecciated Qtz vein w/ Py & poss Au
	07117	139.76	140.82	1.06	felsic rock
	07118	140.82	142.00	1.18	mudstone
	07119	142.00	143.00	1.00	mudstone
	07120	143.00	144.00	1.00	mudstone
	07121	144.00	145.00	1.00	mudstone
	07122	145.00	145.76	0.76	mudstone
	07123	145.76	146.91	1.15	felsic rock, micaceous on fracs
	07124	146.91	147.15	0.24	Qtz vein w/ mica & Chl alt
	07125	147.15	148.00	0.85	felsic rock w/ lots of Chl alt & phenocrysts
	07126	148.00	148.36	0.36	felsic rock Chl alt w/ phenocrysts
	07127	148.36	148.89	0.53	Qtz vein, chl alt w/ Py
	07128	148.89	150.00	1.11	Chl alt felsic rock w/ phenocrysts
	07129	150.00	151.13	1.13	silicified felsic rock
	07130	151.13	152.00	0.87	silicified felsic rock
	07131	152.00	152.77	0.77	felsic rock
	07132	152.77	153.01	0.24	Qtz vein w/ tr Cr mica
	07133	153.01	153.50	0.49	silcified zone, Py, Cr mica, Mus
	07134	153.50	154.53	1.03	felsic rock, micaceous on fracs
	07135	154.53	155.50	0.97	felsic rock
	07136	155.50	156.50	1.00	Chl alt felsic rock, micaceous on fracs
	07137	156.50	157.50	1.00	felsic rock, micaceous on fracs
	07138	157.50	158.50	1.00	Chl alt felsic rock
	07139	158.50	159.50	1.00	Chl alt felsic rock, porphyrytic texture
	07140	159.50	159.70	0.20	felsic rock w/ Chromites
	07141	159.70	160.50	0.80	Chl alt felsic rock
	07142	160.50	161.50	1.00	Chl alt, magnetic
	07143	161.50	162.50	1.00	Chl alt
	07144	162.50	163.68	1.18	grey/green volcanic

BARKER MINERALS LTD.

DRILL HOLE No. BB-2012-07

Sample Intervals: BB-2012-07					
Certificate Number	Sample Number	From (metres)	To (metres)	Sample Width (m)	Lithology
	07145	163.68	164.69	1.01	grey/green volcanic
	07146	164.69	165.60	0.91	grey/green volcanic
	07147	165.60	166.73	1.13	grey/green volcanic w/ qtz/carb veins
	07148	166.73	167.41	0.68	grey/green volcanic w/ phenocrysts
	07149	167.41	168.00	0.59	grey/green volcanic
	07150	168.00	169.00	1.00	grey/green volcanic w/ phenocrysts
	07151	169.00	169.81	0.81	grey volcanic, Py zone
	07152	169.81	170.85	1.04	grey/green volcanic
	07153	170.85	172.00	1.15	grey/green volcanic
	07154	172.00	173.51	1.51	grey/green volcanic, magnetic
	07155	173.51	174.00	0.49	Qtz/Carb, Chl, Ep/Ser, altered zone
	07156	174.00	174.75	0.75	grey/green volcanic, a little Ep alt
	07157	174.75	175.19	0.44	Qtz vein, chl alt, slight pink colour to Qtz
	07158	175.19	176.00	0.81	Chl alt volcanic
	07159	176.00	177.00	1.00	Chl/Ser altered volcanic
	07160	177.00	178.00	1.00	Chl/Ser altered volcanic
	07161	178.00	179.00	1.00	Chl altered volcanic
	07162	179.00	180.00	1.00	Chl altered volcanic w/ some Ep
	07163	180.00	181.00	1.00	Chl/Ser? Altered
	07164	181.00	182.00	1.00	Chl alt, Ser? Volcanic
	07165	182.00	183.00	1.00	Chl alt volcanic, Qtz w/ slight pink tint
	07166	183.00	184.00	1.00	Chl/Ser altered volcanic
	07167	184.00	185.00	1.00	Chl/Ser altered volcanic
	07168	185.00	186.00	1.00	Chl/Ser altered volcanic
	07169	186.00	187.00	1.00	intense Chl alt w/ Qtz/Carb alt, Volcanic
	07170	187.00	187.86	0.86	Chl alt volcanic
	07171	187.86	188.06	0.20	Ep/Ser alteration in volcanic
	07172	188.06	188.45	0.39	Chl alt volcanic
	07173	188.45	189.00	0.55	Chl, Qtz/Carb alt volcanic
	07174	189.00	190.20	1.20	less altered green volcanic
	07175	190.20	190.58	0.38	intense clay altered zone
	07176	190.58	191.18	0.60	grey/green volcanic w/ hematite alt
	07177	191.18	192.00	0.82	volcanic w/ hematite banding + Qtz/carb veins

	07178	192.00	193.00	1.00	Chl/Ser altered volcanic, w/ some hematite				
	07179	193.00	193.66	0.66	Qtz/Carb, Chl, Ep/Ser, altered zone				
	07180	193.66	195.00	1.34	less altered green volcanic				
	07181	195.00	196.00	1.00	less altered volcanic w/ hematite				
	07182	196.00	197.00	1.00	grey/green volcanic, magnetic				
	07183	197.00	197.67	0.67	grey/green volcanic				
	07184	197.67	198.73	1.06	Chl/Ser altered volcanic				
	07185	198.73	200.00	1.27	Chl alt volcanic				
	07186	200.00	201.00	1.00	Chl Qtz/Carb altered volcanic				
	07187	201.00	202.00	1.00	Chl, Qtz/Carb alt volcanic				
	07188	202.00	203.00	1.00	Chl, Qtz/Carb alt volcanic				
	07189	203.00	204.00	1.00	Chl, Qtz/Carb alt volcanic				
	07190	204.00	204.67	0.67	Chl alt volcanic				
	07191	204.67	205.32	0.65	volcanic w/ phenocrysts				
	07192	205.32	206.35	1.03	Chl, Qtz alt volcanic				
	07193	206.35	207.00	0.65	felsic rock				
	07194	207.00	207.87	0.87	felsic rock w/ qtz veining, tr Cpy? Vuggy qtz				
	07195	207.87	208.80	0.93	Qtz infilled felsic rock				
	07196	208.80	209.40	0.60	felsic rock				
	07197	209.40	210.44	1.04	felsic rock, highly fractured				
	07198	210.44	211.00	0.56	felsic rock w/ clay alteration				
	07199	211.00	211.90	0.90	Clay alt felsic rock				
	07200	211.90	212.45	0.55	leached, replaced w/ clay				
	07201	212.45	213.10	0.65	clay alt felsic rock, Kaolinte?				
	07202	213.10	214.00	0.90	silicified felsic rock				
	07203	214.00	215.00	1.00	felsic rock				
	07204	215.00	216.12	1.12	felsic rock, silicified and Ankorite?				
	07205	216.12	217.00	0.88	dk grey/blk sed, w/ qtz veining				
	07206	217.00	218.00	1.00	dk grey/blk sed, w/ qtz veining				
	07207	218.00	219.00	1.00	dk grey/blk sed, w/ qtz veining, grading back into felsic				
	07208	219.00	220.00	1.00	felsic rock				
	07209	220.00	220.83	0.83	silicified felsic rock				
	07210	220.83	221.20	0.37	altered silicified				
	07211	221.20	222.00	0.80	med grey Qtzite lots of Py on fracs				
	07212	222.00	223.00	1.00	med grey Qtzite, py on fracs				
	07213	223.00	224.00	1.00	med grey Qtzite, py on fracs				

	07214	224.00	225.00	1.00	Qtzite						
	07215	225.00	225.55	0.55	silcified zone, more Py						
	07216	225.55	226.00	0.45	silicified zone, Qtz vein, Py lots of mica, Possible PGE's						
	07217	226.00	226.58	0.58	altered felsic rock/Qtzite						
	07218	226.58	227.00	0.42	silicified zone, lots of Py						
	07219	227.00	288.13	61.13	felsic rock, lots of Py						
	07220	288.13	229.21	-58.92	intense Chl & Qtz alt						
	07221	229.21	230.00	0.79	Chl alt						
	07222	230.00	231.00	1.00	Chl alt, grey green sedimentary rock						
	07223	231.00	231.83	0.83	Chl alt						
	07224	231.83	232.48	0.65	grey silicified, ArsPy						
	07225	232.48	233.00	0.52	grey/green volcanic						
	07226	233.00	234.00	1.00	grey/green volcanic						
	07227	234.00	235.00	1.00	porphyritic grey/green volcanic, magnetic						
	07228	235.00	236.00	1.00	volcanic and contact w/ sedimentary rocks						
	07229	236.00	236.52	0.52	silicified, tourmaline on fracture						
	07230	236.52	237.00	0.48	grey/green chl alt rock						
	07231	237.00	238.00	1.00	Chl alt felsic rock						
	07232	238.00	239.00	1.00	Chl alt felsic rock						
	07233	239.00	239.66	0.66	Chl alt felsic rock						
	07234	239.66	240.80	1.14	pale grey silicified felsic rock						
	07235	240.80	242.00	1.20	Chl alt felsic rock, magnetic						
	07236	242.00	243.00	1.00	Chl alt felsic rock						
	07237	243.00	243.94	0.94	Chl alt felsic rock						
	07238	243.94	245.00	1.06	magnetic felsic rock						
	07239	245.00	246.00	1.00	silicified felsic rock						
	07240	246.00	247.00	1.00	silcified felsic rock						
	07241	247.00	248.00	1.00	felsic rock						
	07242	248.00	249.00	1.00	felsic rock						
	07243	249.00	249.74	0.74	felsic rock						
	07244	249.74	250.87	1.13	dk grey banded Chl alt						
	07245	250.87	251.36	0.49	dk grey/blk banded silicified w/ more Py						
	07246	251.36	252.18	0.82	med grey silicified felsic rock						
	07247	252.18	253.17	0.99	dk grey/blk banding						
	07248	253.17	253.64	0.47	Qtz vein w/ massive Py						
	07249	253.64	254.61	0.97	dk grey/blk banding						

	07250	254.61	255.50	0.89	dk grey/blk banding						
	07251	255.50	256.45	0.95	dk grey/blk banding						
	07252	256.45	257.40	0.95	grey/green volcanic w/ phenocrysts						
	07253	257.40	258.75	1.35	porphyritic grey/green volcanic						
	07254	258.75	259.62	0.87	Chl alt, brown banding Py, Qtz stringers						
	07255	259.62	260.32	0.70	less altered, magnetic volcanic						
	07256	260.32	261.00	0.68	porphyritic grey/green volcanic						
	07257	261.00	262.00	1.00	porphyritic grey/green volcanic						
	07258	262.00	263.00	1.00	porphyritc grey/green volcanic						
	07259	263.00	263.94	0.94	porphyritic volcanic mixing w/ grey felsic rock						
	07260	263.94	264.89	0.95	felsic rock, silicified						
	07261	264.89	265.79	0.90	felsic rock , silicified Qtzite?						
	07262	265.79	267.00	1.21	felsic rock, med grey, Qtzite?						
	07263	267.00	268.00	1.00	Qtzite?						
	07264	268.00	269.00	1.00	Qtzite?						
	07265	269.00	269.93	0.93	Qtzite?						
	07266	269.93	271.00	1.07	grey/green volcanic						
	07267	271.00	272.00	1.00	grey/green volcanic						
	07268	272.00	273.00	1.00	grey/green volcanic						
	07269	273.00	274.00	1.00	grey/green volcanic						
	07270	274.00	275.00	1.00	grey/green volcanic						
	07271	275.00	276.00	1.00	grey/green volcanic						
	07272	276.00	276.76	0.76	grey/green volcanic						
	07273	276.76	277.02	0.26	Qtz vein w/ Ep/Ser? Chl, Hem, Py						
	07274	277.02	278.00	0.98	grey/green volcanic						
	07275	278.00	279.00	1.00	grey/green volcanic						
	07276	279.00	280.00	1.00	grey/green volcanic						
	07277	280.00	281.00	1.00	grey/green volcanic						
	07278	281.00	282.00	1.00	grey/green volcanic						
	07279	282.00	282.72	0.72	grey/green volcanic						
	07280	282.72	283.05	0.33	Qtzite? Felsic rock						
	07281	283.05	284.07	1.02	grey/green volcanic						
	07282	284.07	284.37	0.30	Qtz w/ Chl and Ep						
	07283	284.37	285.44	1.07	grey/green volcanic w/ Qtz & Chl alt						
	07284	285.44	286.00	0.56	Volcanic? w/ Chl banding, Qtz and Py						
	07285	286.00	287.00	1.00	volcanic						

	07286	287.00	288.07	1.07	Volcanic? Chl banded					
	07287	288.07	288.31	0.24	Qtzite w/ Qtz vein and needle like metallic mineral					
	07288	288.31	289.46	1.15	Qtzite, Chl banded					
	07289	289.46	289.70	0.24	Qtzite Py and Gal stringers					
	07290	289.70	291.00	1.30	Qtzite					
	07291	291.00	292.00	1.00	Qtzite					
	07292	292.00	292.45	0.45	Qtzite					
	07293	292.45	292.59	0.14	Qtz vein w/ Py, Gal, Mo					
	07294	292.59	293.22	0.63	Qtzite					
	07295	293.22	294.00	0.78	Qtzite Chl alt					
	07296	294.00	295.00	1.00	Qtzite?					
	07297	295.00	296.00	1.00	Qtzite, micaceous on fracs					
	07298	296.00	296.50	0.50	Qtzite					
	07299	296.50	297.00	0.50	fractured Qtzite, Cr mica on fracs					
	07300	297.00	298.00	1.00	Qtzite, Chl banded					
	07301	298.00	298.90	0.90	Qtzite					
	07302	298.90	299.90	1.00	crumbly leached rock					
	07303	299.90	300.20	0.30	Qtzite					
	07304	300.20	300.47	0.27	Qtz vein w/ Gal, Mo & Au? And Py					
	07305	300.47	301.04	0.57	Qtzite					
	07306	301.04	302.00	0.96	Altered Qtzite w/ Py blebs					
	07307	302.00	302.80	0.80	Qtzite, Py blebs					
	07308	302.80	303.12	0.32	heavily altered w/ Chl and Ankorite?					
	07309	303.12	303.27	0.15	Ankorite alt? w/ tr Cpy					
	07310	303.27	303.56	0.29	altered folded Chl banding					
	07311	303.56	304.38	0.82	Qtzite, Ankorite alt? Py blebs					
	07312	304.38	305.20	0.82	Qtzite? Chl altered					
	07313	305.20	306.00	0.80	Chl alt Qtzite					
	07314	306.00	307.00	1.00	Qtzite? Minor Qtz veins, one vuggy					
	07315	307.00	308.00	1.00	Chl alt Qtzite					
	07316	308.00	308.35	0.35	Qtzite					
	07317	308.35	308.95	0.60	Qtz vein, massive w/ Cr mica, Sph, Gal?					
	07318	308.95	309.14	0.19	Qtz vein					
	07327	N/A	N/A	N/A	Pulp #2 for 04559 (FC-11-03)					
	07328	N/A	N/A	N/A	Reject #2 for 04559 (FC-11-03)					
	07329	N/A	N/A	N/A	Pulp #2 for 04562 (FC-11-03)					

	07330	N/A	N/A	N/A	Reject #2 for 04562 (FC-11-03)					
	07331	N/A	N/A	N/A	Quarter-Core from 14.21-14.90m (FC-11-03; equivalent to pulp 08504),					
	07332	N/A	N/A	N/A	Lab Standard PG131					
	07333	N/A	N/A	N/A	Lab Standard PM451					
	07334	N/A	N/A	N/A	Lab Standard PM459					

BARKER MINERALS LTD.

DRILL HOLE NO. BB-2012-09

Dip & Azimuth Tests			BB-2012-09	Easting (NAD 83): 606924							Core Size: NQ				Started: Octob
Depth	Dip	Azmth	Other tests	Northing (NAD 83): 5832825							Hole Azimuth: 0°				Finished: 2012
				Grid Location: 10 U							Hole Angle: 90°				Logged by: J. L
				Elevation: 1366m							Total Depth: 107.29m				Analysis by: AC
															Drilling by: C. Be
Note: Azmths above are															
Tests done using Reflex EZ-Shot.															
			biotite, titanium, , muscovite,						Alteration Scale: 1 - 5						
									v. weak/weak/moderate/						

Depth (m)				%	%	%	%	%	2nd	2nd	Cr-	Ser-				
From	To		Description	Py	Cpy	Sph	Gal	Mo	Carb	Qtz	Mica	icite	Kao	Hem	Chl	Ep
			Purpose of hole is to better understand the model, the deeper hole will provide more information.													
0	9.75		**Overburden**	tr						4						
			Angular clasts of quartz, pyritiferous milky qtz, and oxidized phyllites													
			@6.70 (13cm) fault conduit? Fabric is perpendicular to general bedding, weakly pyritiferous													
9.75	15.85		**Black phyllitic siltstone**	tr						1						
			Fissile, slaty partng with mica sheen on fracture face													
			trace pyrite, unit is weakly vugy													
			unit is highly fractured and moderately oxidized.													
15.85	22.39		**Light-pale grey, highly altered phyllitic siltstone**	2			tr			3						
			Highly altered - bleached, oxidized, very silicified, and fractured. Protolith interpreted to be phyllitic siltstone unit above													
			Remanent lamination structure is present and fissile as well as locally massive													
			Unit directly overlies extensive quartz ein													
			Unit is pyritiferous (approx 2%), white clay mineral (v. Soft) is present locally on frac. Faces, and rusty minerals are disseminated throughout unit (py?)													
			Mica-sheen is on slaty-parting fracture faces, sugary texture on fresh fracture face													
			Trace galena as minor blebs													

			biotite, titanium, , muscovite,						**Alteration Scale: 1 - 5**								
																	v. weak/weak/moderate/
Depth (m)				%	%	%	%	%	2nd	2nd	Cr-	Ser-					
From	**To**		**Description**	**Py**	**Cpy**	**Sph**	**Gal**	**Mo**	**Carb**	**Qtz**	**Mica**	**icite**	**Kao**	**Hem**	**Chl**	**Ep**	
			at 20.47m, unit is severly oxidized and highly fractured.														
22.39	24.99		**Quartz Vein**	tr		tr	tr										
			Contact with above unit is mixed and oxidized.														
			Pyrite bleb @22.45m														
			Qtz vein is milky, fractured, and mildly oxidized.														
			1.5cm blebs of sphalerite present @23.42m														
24.99	31.46		**Grey, Altered Phyllitic Siltstone**	1.5						3							
			Similar to unit at 15.85m														
			Unit is a grey silicified and altered phyllitic siltstone in contact with above quartz vein (contact is highly fractured and moderately oxidized), more felsic than black phyllites but locally exhibits lamination and slaty parting with local mica-sheen.														
			There is a milky quartz vein @28.04 (just after bit change, very fractured with poor recovery, approx. 10cm in length?)														
			Unit is mildly pyritiferous (1.5%) found as blebs and elongate to lamination/fabric														
			Gougen texture @29.48 (10cm)														
			Vitreous quartz veining and vein breccia texture @26.47 (5cm), 29.62 (6cm), and 30.85 (2cm w/pyrrhotite and pyrite @ vein edges)														
			White euhedral alteration/tuff/f.g specks? Abundant throughout unit														
31.46	42.13		**Black tuffaceous phyllitic siltstone**	.1						1							
			Unit has lapilli-tuff/pyroclasts, fine-grained mineral shards (see @37.85m), and whte euhedral specks (see 42.00) throughout unit.														
			Unit is predominantly fissile approx 90deg to core and exhibits minor waviness amongst laminations														

			biotite, titanium, , muscovite,						**Alteration Scale: 1 - 5**							
																v. weak/weak/moderate/
Depth (m)				**%**	**%**	**%**	**%**	**%**	**2nd**	**2nd**	**Cr-**	**Ser-**				
From	**To**		**Description**	**Py**	**Cpy**	**Sph**	**Gal**	**Mo**	**Carb**	**Qtz**	**Mica**	**icite**	**Kao**	**Hem**	**Chl**	**Ep**
			Locally exhibits white-clay alteration													
			Phyllitic mica-sheen on slaty-parting faces, unit has minor pyrite, local muscovite on core face													
			minor quartz veinlets are present													
			Recemented fault breccia and quartz? @38.71m													
			Gougen texture @33.92 (13cm), 35.52 (2cm), and 35.76 (2cm)													
42.13	47.43		**Light-pale grey, highly altered phyllitic siltstone**	4		tr	tr			5	2					
			near-identical repeat of unit @15.85m													
			Laminations are still present, locally wavy. Where laminations are locally wavy - could be crustiform quartz banding @42.51-43.28m													
			Unit is locally phyllitic wih mica-sheen on parting face. Unit is very strongly silicified with cr-mica prent on occasional frature face.													
			Unit is moderately oxidized and weakly fractured.													
			White alteration clay present													
			unit is pyritiferoous with blebs elongate to lamination and crystals													
			gal/sphl present wth qtz veining													
47.43	52.43		**Black tuffaceous phyllitic siltstone**	.5						1						
			Lapilli/pyroclasts elongate with lam/fabric, fg shards, and white euhedral specks present throughout unit													
			unit exhiits weak qtz veining and pyrite blebs elongate with fabric (90deg to core)													
			Unit is locally wavy (sedimentary depositional processes? Flow events?) and fissile with mica-sheen on parting face.													
52.43	56.88		**Light-pale grey, highly altered phyllitic siltstone**	1.5						5						

			biotite, titanium, , muscovite,						**Alteration Scale: 1 - 5**							
																v. weak/weak/moderate/
Depth (m)				%	%	%	%	%	2nd	2nd	Cr-	Ser-				
From	**To**		**Description**	**Py**	**Cpy**	**Sph**	**Gal**	**Mo**	**Carb**	**Qtz**	**Mica**	**icite**	**Kao**	**Hem**	**Chl**	**Ep**
			Remanent laminations, pyritiferous, strongly silicified with white clay minerals locally present on frac. Faces													
			sugary texture on fresh face													
			unit gradually darkens to grey @53.80 but remains pyritiferous and silicified													
56.88	64.05		**Black tuffaceous phyllitic siltstone**	.5						3						
			Sharp contact of above unit with black fault gouge. Fault													
			Unit is fissile and moderately quartz veined, laminations are locally wavy (sedimentary/depositional processes?)													
			Very poor recovery throughout unit with gougen texture @ 56.88 (12cm) and 61.57 (6cm).													
			White clay mineral locally present along with euhedral specks													
			Unit begins to lighten toward grey and becomes more silicified at 63.09m													
64.05	66.37		**Grey Fault conduit/Shear Zone?**	1.5						4						
			Marked predominantly by pyritization, abundant and large vitreous and locally minor vuggy quartz veining, muscovite alteration, and local vein breccia texture													
66.37	75.37		**Black Phyllitic Siltstone**	.5					2	2		?				
			Grades into phyllites from above unit gradually by colour change (grey->black) and laminations													
			Laminations present are locally wavy and crenulated (could be local sedimentary/depositional structures and/or regional folding). Deformed layering iss localized and not uniform and found parallel and at high angles to lamination													

			biotite, titanium, , muscovite,						Alteration Scale: 1 - 5							
									v. weak/weak/moderate/							
Depth (m)				%	%	%	%	%	2nd	2nd	Cr-	Ser-				
From	To		Description	Py	Cpy	Sph	Gal	Mo	Carb	Qtz	Mica	icite	Kao	Hem	Chl	Ep
			Unit is fissile along lamination and core fracture face has mica-sheen													
			Core outer surface has fg mica-sheen and larger areas of muscovite (?)													
			Qtz, qtz-carbonate, and carbonate Veins, veinlets, stringers exist in unit both along lamination plane and eratically cross cutting laminations													
			Small laminations of limestone exist but in very minor amounts (<5%)													
			Unit has fg white-rimmed shards @ 73.00m (tuff??)													
			Unit is weakly pyritiferous with 5% pyrite. Pyrite is present as disseminated blebs, blebs elongate with lamination, and stringers (with qtz).													
			Py-Qtz stringer @73.60													
			Fault gouge found @71.84 (23cm) and 73.35 (2cm)													
			White euhedral specks exist throughout													
75.37	79.96		**Light Grey-Grey Altered Phyllitic Siltstone**	3						4	1					
			Acid-leached phyllite? Vugs, kaoliite, lighter colour, softer													
			Rock is grey, Lgrey, and how patches and bands of brown													
			Contact with above unit is gradual													
			Unit is silicified and has pervasive quartz alteration in the form of milky, vitreous, and vein breccia													
			Quartz vein @ 77.73 (20cm) is crustiform with pyrite rimming the vein (CHECK FOR AU) - typical low sulfidation epithermal vein texture													
			Unit is pyritiferous with abundant pyrite present as blebs, small euhedral crystals, or as stringers; pyrite is found within weakly vuggy veins, rimming veins, and apparently randomly disseminated throughout unit.													
			Trace Arsenopyrite present @													

			biotite, titanium, , muscovite,						**Alteration Scale: 1 - 5**								
																	v. weak/weak/moderate/
Depth (m)				%	%	%	%	%	2nd	2nd	Cr-	Ser-					
From	**To**		**Description**	**Py**	**Cpy**	**Sph**	**Gal**	**Mo**	**Carb**	**Qtz**	**Mica**	**icite**	**Kao**	**Hem**	**Chl**	**Ep**	
			Pyrrhotite is disseminated throughout unit giving strong local (but pervasive) magnetism														
			Very soft and white clay mineral (kaolinite?) exists as discontinuous stringers or associated with quartz veins														
			Cr-mica is preent in minor amounts (small blebs)														
			Muscovite present on fracture face and moderately present														
79.96	83.40		**Black Tuffaceous Phyllitic Siltstone**	.2						3							
			Tuff manifests as discontinuous laminations, elongate grains (e.g. 83.20m)														
			Laminations present and quartz veining is common														
			Small and minor blebs/fabric-elongate blebs of pyrite														
			Highly fractured @80.24 (6cm)														
			Wavy lamination perpendicular to general lamination/foliation @81.04 (18cm) and 83.00 (15cm)														
			Unit is weakly graphitic, micaceous on slaty-fracture face. Slaty parting along laminations														
83.40	86.83		**Fault Conduit/Shear Zone (?)**	.5						2							
			Can see perpendicular structures to general foliation/lamination orientation. Unit is variable in colour Grey-Lgrey. Unit has dissem py and pyrrho														
			From 83.40-84.69 - Lgrey with moderate alteration; vbx quartz, pyrite and pyrrhotite present. Muscovite on core face and fracture face. Locally wavy laminations/structures	1						4							
			White alteration clay @83.67 (15cm) present (strong kaolinite alteration?) on quartz vein/fracture surface.														

			biotite, titanium, , muscovite,						**Alteration Scale: 1 - 5**							
									v. weak/weak/moderate/							
Depth (m)				**%**	**%**	**%**	**%**	**%**	**2nd**	**2nd**	**Cr-**	**Ser-**				
From	**To**		**Description**	**Py**	**Cpy**	**Sph**	**Gal**	**Mo**	**Carb**	**Qtz**	**Mica**	**icite**	**Kao**	**Hem**	**Chl**	**Ep**
			From 85.72-86.45 - very strong brecciated/shear texture and alteration. Very strong muscovite alteration (5 on scale), moderate cr-mica present, 3% py w/pyrrho	3						4	3					
86.83	96.94		**Black Tuffaceous phyllitic siltstone**	.5					2	3						
			Laminated, phyllitic, mica-sheen on slaty parting face													
			Unit is weakly calcareous with abundance of qtz-carbonate veins/veinlets													
			Unit is weakly pyritiferous with .5% but varies in abundance throughout unit (tr-2%) as elongate blebs with laminations or as dissem blebs													
			Unit is locally way with laminations exhibiting flow textures (? E.g. X-bedding) - found at 98.10m													
			White euhedral specks found until 89.00													
96.94	99.53		**Light Grey Altered Phyllitic Siltstone**	3.5		tr			2	2	1					
			Gradual contact. Laminations still present and unit is pyritiferous at 3.5%. Pyrrhotite is trace and disseminated throughout. Both Pyrrho/Py present as Vfg thin blebs elongate with lamination													
			Unit is weakly fissile with slaty parting, micaceous on parting face.													
			Vweak Cr-Mica presence.													
			Unit is weakly calcareous with minor qtz-carb veining													
			Cr-mica gives slight green colouration @98.18m													
			Reddish-brown trace sphalerite in elongate thin blebs @98.25m													
			Pyrite decreases in grain size with depth in unit													
99.53	101.74		**Black Tuffaceous Phyllitic Siltstone**	2					1	2						
			Contact is gradational with above unit													
			Unit has fg pyrite elongate to laminations (max 2%)													

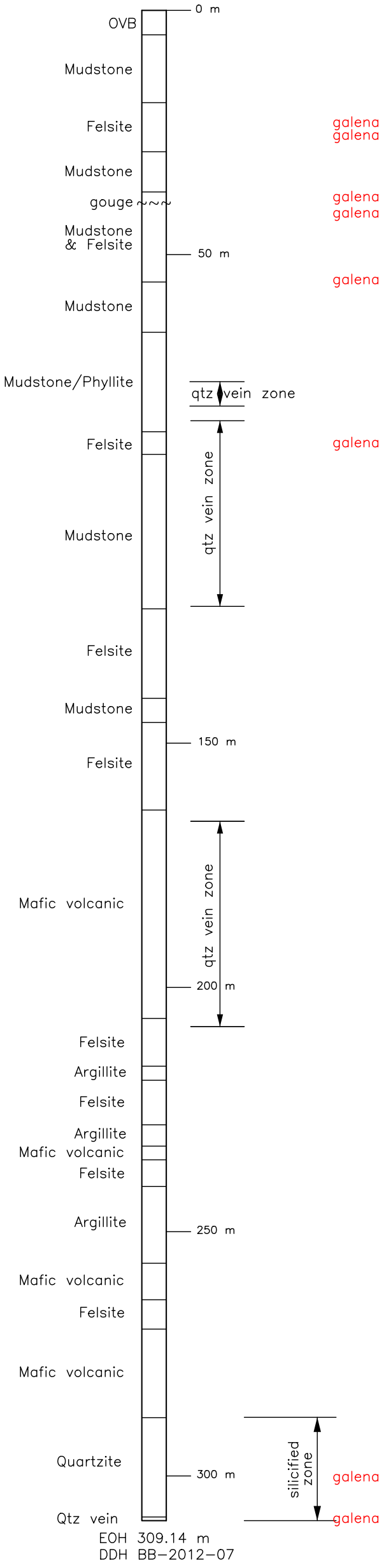
			biotite, titanium, , muscovite,						**Alteration Scale: 1 - 5**							
																v. weak/weak/moderate/
Depth (m)				%	%	%	%	%	2nd	2nd	Cr-	Ser-				
From	**To**		**Description**	**Py**	**Cpy**	**Sph**	**Gal**	**Mo**	**Carb**	**Qtz**	**Mica**	**icite**	**Kao**	**Hem**	**Chl**	**Ep**
			qtz-carb veining present but weak													
			Weak fizz on core and on qtz-carb locally													
			Muscovite is found on core-surface													
			interbed of above altered unit @100.33 (13cm)													
			At 101.41m unit gains white euhedral specks													
101.74	105.34		**Grey Tuffaceous Pyroclastics with interbedded tephra**	1			tr		2	3	2	?				
			Gradational contact with above unit													
			Unit is soft (easily scratched) where not silicified or veined													
			Unit has pyroclasts and tuff perhaps within a predominant tephra (vfg) matrix													
			Muscovite alteration is present and adds to increased softness of core-surface													
			Mica-sheen on fracture face													
			Dissem py throughout unit (1%) and weak local magnetism from small dissem blebs of pyrrhotite													
			weak fizzing exhibited locally throughout unit (carbonate cementing fluids?)													
			large vitreous qtz-carb vein from 105.34-105.77m, w/ cr-mica in noticable abundance (small specks)													
			Galena bleb @													
105.34	107.29	EOH	**Qtz Vein**													
			Only 3cm recovered of quartz vein (cr-mica and pyrite present)													

BB-2012-09

Depth (metres)			Summary Description	%	%	%	%	%	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) 2nd Carb	2nd Qtz	Cr-Mica	Ser-icite
From	To	M		Py	Cpy	Sph	Gal	Mo				
0	9.75		**Overburden**	tr						4		
9.75	15.85		**Black phyllitic siltstone**	tr						1		
15.85	22.39		**Light-pale grey, highly altered phyllitic siltstone**	2			tr			3		
22.39	24.99		**Quartz Vein**	tr		tr	tr					
24.99	31.46		**Grey, Altered Phyllitic Siltstone**	1.5						4		
31.46	42.13		**Black tuffaceous phyllitic siltstone**	.1						1		
42.13	47.43		**Light-pale grey, highly altered phyllitic siltstone**	4		tr	tr			5	2	
47.43	52.43		**Black tuffaceous phyllitic siltstone**	.5						1		
52.43	56.88		**Light-pale grey, highly altered phyllitic siltstone**	1.5						5		
56.88	64.05		**Black tuffaceous phyllitic siltstone**	.5						3		
64.05	66.37		**Fault conduit/Shear Zone?**	1.5						5		
66.37	75.37		**Black Phyllitic Siltstone**	.5					2	2		?
75.37	79.96		**Light Grey-Grey Altered Phyllitic Siltstone**	3						4	1	
79.96	83.40		**Black Tuffaceous Phyllitic Siltstone**	.2						3		
83.40	86.83		**Fault Conduit/Shear Zone (?)**	.5						2		
86.83	96.94		**Black Tuffaceous phyllitic siltstone**	.5					2	3		
96.94	99.53		**Light Grey Altered Phyllitic Siltstone**	3.5		tr			2	2	1	
99.53	101.74		**Black Tuffaceous Phyllitic Siltstone**	2					1	2		
101.74	105.34		**Grey Tuffaceous Pyroclastics and tephra**	1			tr		2	3	2	?
105.77	107.29		**Qtz vein (poor recovery)**									
EOH	EOH		**EOH**									

Appendix 4

Black Bear – Drill Sections for DDH BB-2012-07 and BB-2012-09

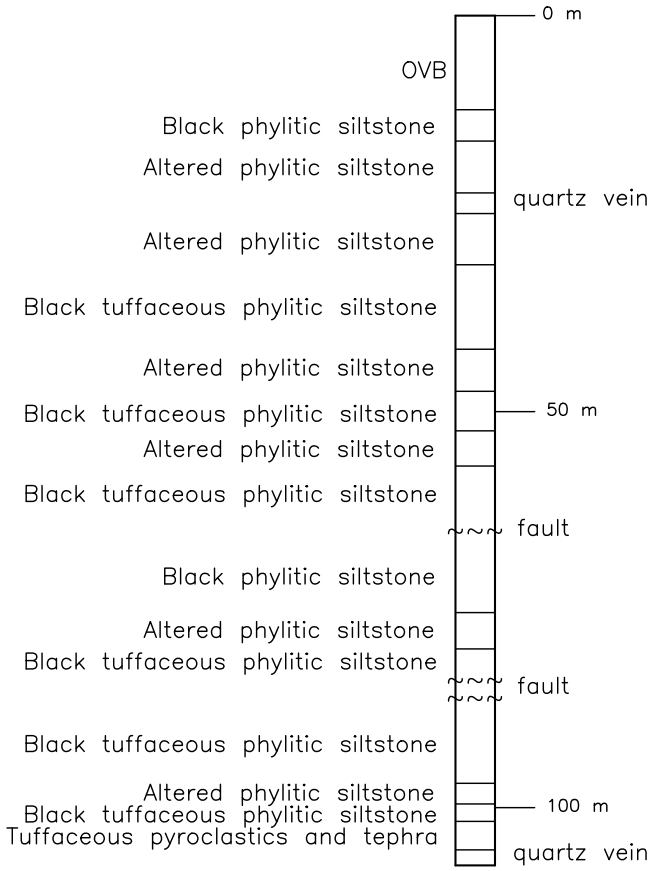


DDH BB-2012-07 Drill Section

Scale 1:1,000
metres

0 10 20 30 40 50

BARKER MINERALS LTD.	
BLACK BEAR PROPERTY DIAMOND DRILL HOLE PROFILE DDH BB-2012-07 . Cariboo Mining Division, B.C.	
	Date: Oct. 15, 2012
Drawn by: RT	Fig.No.



EOH 107.29 m
DDH BB-2012-09

DDH BB-2012-09
Drill Section

Scale 1:1,000
metres

0 10 20 30 40 50

BARKER MINERALS LTD.	
BLACK BEAR PROPERTY DIAMOND DRILL HOLE PROFILE DDH BB-2012-09 . Cariboo Mining Division, B.C.	
	Date: Dec 6, 2013
Drawn by: RT	Fig.No.

Appendix 5

Black Bear East - Analytical Data for Soils

Frank Creek – Analytical Data for DDH's FC-2013-09 and FC-2013-10

Quality Analysis ... *Innovative Technologies*

Date Submitted: 23-Sep-13
Invoice No.: A13-11486
Invoice Date: 09-Oct-13
Your Reference:

Barker Minerals
8384 Toombs Drive
Prince George British Columbia V2K 5A3
Canada

ATTN: Louis Doyle

CERTIFICATE OF ANALYSIS

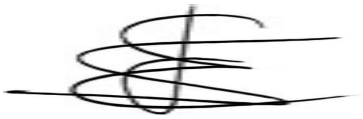
230 Core samples, 7 Pulp samples and 41 Soil samples were submitted for analysis.

The following analytical packages were requested: Code 1C-OES-Kamloops Fire Assay ICPOES
Code UT-1-Kamloops Aqua Regia ICP/MS

REPORT **A13-11486**

Notes:
Assays are recommended for values >10,000 for Cu and Au. Due to matrix change used in AR-MS analysis, the detection limts for Au has been modified to 5ppb. The AU from AR-MS is only semi-quantitative. For accurate Au data,fire assay is recommended.

CERTIFIED BY :



Emmanuel Eseme , Ph.D.
Quality Control

ISO/IEC 17025
SCC Accredited
LAB 266
LAB 266
Accrédité CCN

ACTIVATION LABORATORIES LTD.

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Analyte Symbol	Au	Pd	Pt	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	5	5	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Analysis Method	FA-ICP	FA-ICP	FA-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
17751	13	< 5	< 5	19.7	< 0.1	< 1	0.057	0.55	0.88	0.09	2.13	0.04	2.5	45	43.4	560	6.20	11.5	46.6	318	1140	2.95	< 0.1	117
17752	25	< 5	< 5	20.1	< 0.1	< 1	0.063	1.69	0.86	0.07	6.43	0.08	2.5	34	27.9	1620	12.3	29.4	49.1	974	5520	3.42	0.1	343
17753	13	< 5	< 5	84.5	0.1	< 1	0.035	2.66	2.99	0.08	4.52	0.24	4.2	29	30.6	1430	7.77	16.1	23.2	366	2650	8.94	0.1	337
17754	10	< 5	< 5	26.0	0.2	< 1	0.084	1.50	1.71	0.30	2.16	0.07	2.8	14	16.6	1200	5.19	8.1	18.6	104	282	4.74	0.1	42.3
17755	304	< 5	< 5	8.5	0.1	< 1	0.068	1.33	0.77	0.18	4.63	0.07	2.2	7	10.3	1090	9.08	33.3	19.2	1000	337	2.36	0.1	119
17756	39	< 5	< 5	48.9	0.2	< 1	0.078	2.22	2.55	0.22	5.23	0.16	3.9	25	36.6	1600	8.89	13.7	31.8	836	535	7.98	0.1	61.5
17757	9	< 5	< 5	24.8	< 0.1	< 1	0.034	1.21	1.19	0.06	4.61	0.05	2.0	32	43.9	850	5.25	12.4	23.6	1150	372	4.30	0.1	21.9
17758	23	20	6	44.2	< 0.1	< 1	0.027	1.82	1.97	0.07	12.8	0.14	3.0	26	26.8	1290	8.63	22.1	25.1	890	1130	6.65	0.2	121
17759	14	5	< 5	37.5	< 0.1	< 1	0.013	1.59	1.67	0.06	16.0	0.19	2.8	34	25.7	1010	11.4	45.5	35.2	2100	826	5.73	0.2	119
17760	27	< 5	< 5	44.1	< 0.1	< 1	0.019	1.72	2.03	0.08	16.8	0.13	2.9	42	33.3	1120	11.0	28.3	33.7	1700	1530	7.10	0.2	189
17761	23	< 5	< 5	40.3	< 0.1	< 1	0.014	1.59	1.74	0.05	10.0	0.11	2.7	34	30.1	959	10.0	46.1	25.5	2500	665	6.14	0.2	91.8
17762	10	51	10	59.9	< 0.1	< 1	0.013	2.00	2.35	0.04	3.65	0.26	3.7	27	25.6	1200	8.97	15.4	24.0	1440	1250	7.84	0.1	50.2
17763	33	< 5	< 5	56.1	< 0.1	< 1	0.009	2.01	2.17	< 0.01	11.9	0.21	3.6	22	21.4	1010	13.2	68.3	26.2	4170	1280	7.78	0.2	392
17764	29	< 5	< 5	51.5	< 0.1	< 1	0.018	2.10	1.98	0.02	10.2	0.15	3.4	24	23.2	1270	11.6	57.5	23.2	1460	1420	6.98	0.2	107
17765	3	< 5	< 5	37.5	< 0.1	< 1	0.055	1.96	1.69	0.11	4.38	0.24	3.0	15	20.5	1040	6.11	9.0	17.6	218	876	5.67	0.1	22.7
17766	8	< 5	< 5	60.7	0.1	< 1	0.039	2.30	2.45	0.09	3.49	0.25	3.6	21	23.2	1270	6.69	12.9	21.2	562	628	8.00	0.2	29.4
17767	24	< 5	< 5	40.5	0.1	< 1	0.049	1.88	2.08	0.23	7.64	0.10	2.8	17	27.8	1670	9.37	25.3	34.2	664	591	7.01	0.2	67.9
17768	< 2	< 5	< 5	49.9	0.2	< 1	0.057	2.13	2.54	0.26	0.18	0.07	2.7	16	26.3	1430	7.66	10.2	28.0	44.3	216	6.86	0.2	18.1
17769	< 2	< 5	< 5	37.6	0.2	< 1	0.057	1.58	2.20	0.35	0.29	0.09	2.5	14	22.8	956	5.71	10.7	32.8	24.8	192	5.64	0.2	14.5
17770	2050	< 5	< 5	2.0	0.2	< 1	0.025	0.20	0.54	0.33	1.82	2.85	0.8	12	8.4	2750	1.95	3.4	3.1	4230	> 10000	1.99	0.1	102
17771	9	< 5	< 5	38.2	0.2	< 1	0.040	1.63	1.96	0.21	3.18	0.23	2.7	16	27.6	1310	7.00	13.8	22.2	597	445	5.91	0.1	18.3
17772	35	24	< 5	36.3	0.1	< 1	0.035	2.07	1.88	0.11	17.8	1.27	3.5	19	24.1	1570	12.7	22.2	28.2	1160	1300	6.36	0.1	47.0
17773	< 2	< 5	< 5	11.2	0.2	< 1	0.060	1.35	0.97	0.24	1.05	0.24	2.2	7	12.5	1450	6.85	11.9	22.4	52.1	162	2.45	0.1	12.4
17774	26	< 5	< 5	2.8	0.2	< 1	0.053	0.95	0.39	0.13	1.18	0.28	1.8	3	11.2	962	8.16	16.0	15.4	726	227	0.99	0.1	43.7
17775	4	< 5	< 5	1.7	0.2	< 1	0.061	1.43	0.55	0.23	0.37	0.31	2.1	4	8.6	1960	10.6	16.1	16.3	378	95.2	1.33	0.1	4.6
17776	< 2	< 5	< 5	2.6	0.2	< 1	0.089	0.88	0.69	0.26	0.30	0.06	1.6	4	8.2	1310	7.10	10.7	14.6	92.5	64.4	1.39	0.1	3.5
17777	3	< 5	< 5	7.6	0.2	< 1	0.085	1.02	0.97	0.28	0.31	0.09	2.1	8	15.6	1370	7.10	15.6	27.9	57.2	133	2.42	0.1	17.0
17778	3	< 5	< 5	1.8	0.2	< 1	0.068	1.34	0.50	0.20	0.97	0.11	2.7	4	8.6	1970	10.4	14.0	26.0	73.1	161	1.13	0.1	5.3
17779	2	< 5	< 5	2.0	0.2	< 1	0.071	1.45	0.62	0.26	1.31	1.30	3.1	5	8.5	1640	7.98	16.7	40.1	140	218	1.44	0.1	12.5
17780	23	< 5	< 5	1.1	0.3	< 1	0.042	1.23	0.52	0.27	0.91	4.56	2.6	4	6.4	1110	3.58	11.9	29.9	55.3	90.9	1.10	0.1	24.7
17781	45	< 5	< 5	1.0	0.3	< 1	0.046	0.92	0.58	0.28	0.17	2.65	2.2	4	8.2	709	3.78	15.3	35.7	46.9	43.0	1.36	< 0.1	42.6
17782	76	< 5	< 5	1.4	0.4	< 1	0.075	1.07	0.86	0.40	2.11	3.41	2.6	7	9.5	801	3.60	10.5	26.7	82.8	55.0	2.02	< 0.1	49.4
17783	3	< 5	< 5	0.3	< 0.1	< 1	0.014	0.27	0.13	0.06	0.93	0.90	0.3	< 1	16.1	195	1.07	2.8	13.4	5.78	11.2	0.35	< 0.1	28.0
17784	60	< 5	< 5	0.9	0.3	< 1	0.041	1.12	0.54	0.27	1.31	4.07	2.4	4	6.1	848	4.15	17.1	37.2	116	155	1.30	< 0.1	63.7
17785	17	< 5	< 5	1.5	0.3	< 1	0.054	1.05	0.75	0.33	2.61	4.05	2.3	5	9.2	936	3.21	10.4	23.4	58.8	317	1.75	< 0.1	25.8
17786	< 2	< 5	< 5	1.2	0.3	< 1	0.039	0.96	0.58	0.29	0.08	3.90	2.1	4	5.6	764	2.94	10.8	25.8	42.0	89.4	1.33	< 0.1	18.8
17787	< 2	< 5	< 5	4.1	0.5	< 1	0.033	1.54	0.79	0.23	0.47	3.83	2.9	7	9.4	945	3.35	7.2	20.4	25.7	62.6	1.97	< 0.1	17.6
17788	12	< 5	< 5	3.1	0.3	< 1	0.036	1.36	0.64	0.25	0.25	0.84	2.4	6	8.0	882	4.40	18.1	37.9	37.3	153	1.73	< 0.1	25.2
17789	3	< 5	< 5	2.3	0.3	< 1	0.047	1.14	0.75	0.31	0.40	1.32	2.1	6	11.6	851	3.74	15.3	28.2	40.7	175	1.95	< 0.1	16.0
17790	3	< 5	< 5	2.3	0.3	< 1	0.038	1.03	0.77	0.33	0.52	1.58	2.3	7	13.5	809	3.87	15.1	42.1	37.1	70.1	1.99	< 0.1	42.6
17791	760	< 5	< 5	1.9	0.2	< 1	0.028	0.15	0.50	0.20	2.85	1.36	0.7	12	5.4	547	1.69	4.9	7.1	3050	> 10000	1.81	< 0.1	16.5
17792	7	< 5	< 5	2.9	0.3	< 1	0.031	0.77	0.80	0.38	1.07	0.41	1.9	7	21.0	387	3.71	16.5	79.9	50.9	61.3	2.12	< 0.1	48.1
17793	< 2	< 5	< 5	3.5	0.2	< 1	0.026	0.68	0.62	0.30	2.07	0.18	1.6	6	23.8	291	4.01	18.6	95.5	98.8	289	1.62	< 0.1	68.7
17794	22	16	7	39.9	0.2	< 1	0.022	2.67	1.80	0.22	5.88	0.13	2.4	17	15.3	2420	19.2	34.5	33.8	553	477	5.43	0.1	146
17795	< 2	< 5	< 5	9.8	0.2	< 1	0.028	0.65	0.86	0.29	0.68	0.24	1.1	6	12.6	279	2.54	7.4	22.6	42.6	59.8	2.23	< 0.1	24.2
17796	3	< 5	< 5	24.7	0.4	< 1	0.036	0.87	1.73	0.43	0.76	0.14	1.7	13	25.4	319	3.47	13.3	30.8	94.0	106	4.45	< 0.1	23.9
17797	< 2	< 5	< 5	46.2	0.3	< 1	0.022	1.46	2.22	0.27	0.55	0.08	1.9	13	29.0	991	5.78	20.1	38.3	31.1	190	6.13	< 0.1	29.9
17798	< 2	8	< 5	48.6	0.3	< 1	0.034	1.60	2.46	0.34	0.84	0.07	2.5	18	37.3	927	6.46	22.5	46.6	58.0	1140	6.75	< 0.1	31.5
17799	< 2	< 5	< 5	24.8	0.4	< 1	0.060	1.50	1.68	0.38	0.31	0.22	2.4	12	20.4	985	5.91	20.1	29.5	20.2	920	4.43	< 0.1	42.2
17800	< 2	< 5	< 5	17.8	0.1	< 1	0.009	0.96	0.77	0.06	0.25	0.36	1.0	4	16.4	396	3.09	12.2	28.1	32.4	107	2.08	< 0.1	18.6
17801	< 2	< 5	< 5	20.6	0.3	< 1	0.034	1.02	1.31	0.29	0.41	0.16	1.5	8	16.5	446	3.30	11.1	30.0	41.2	96.6	3.39	< 0.1	16.5
17802	< 2	< 5	< 5	25.4	0.4	< 1	0.044	1.19	1.83	0.45	0.11	0.10	1.9	11	21.6	594	3.46	8.6	25.3	13.8	88.5	4.69	0.1	10.4

Analyte Symbol	Au	Pd	Pt	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	5	5	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Analysis Method	FA-ICP	FA-ICP	FA-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
17803	< 2	< 5	< 5	21.0	0.2	< 1	0.032	1.12	1.34	0.28	0.58	0.08	1.5	9	18.5	691	3.60	12.9	32.5	45.1	111	3.60	< 0.1	19.8
17804	< 2	< 5	< 5	27.4	0.4	< 1	0.043	1.22	1.83	0.39	0.30	0.10	2.0	12	22.8	649	4.12	14.5	38.5	53.0	110	4.71	< 0.1	21.6
17805	< 2	< 5	< 5	15.3	0.2	< 1	0.032	1.11	1.07	0.25	0.72	0.16	1.6	7	27.0	531	3.64	12.5	29.5	28.0	91.6	2.88	< 0.1	25.4
17806	12	5	< 5	2.6	0.4	< 1	0.073	1.17	1.26	0.58	0.76	0.19	2.5	11	18.1	619	4.15	14.6	31.7	111	61.4	3.23	< 0.1	42.0
17807	315	< 5	6	0.7	0.1	< 1	0.019	0.36	0.37	0.19	24.7	0.51	1.0	17	9.8	132	9.21	28.7	36.3	1250	8650	1.11	0.1	202
17808	508	< 5	< 5	1.5	0.3	< 1	0.032	0.06	0.81	0.38	48.2	0.32	1.1	27	11.4	36	12.8	99.8	57.9	700	8990	2.83	< 0.1	544
17809	164	< 5	7	1.0	0.3	< 1	0.027	0.14	0.70	0.36	12.2	0.50	1.2	48	16.0	75	7.06	10.4	47.1	674	> 10000	2.23	0.1	4230
17810	94	< 5	< 5	0.6	0.2	< 1	0.015	0.06	0.43	0.22	2.04	0.22	0.7	27	14.2	48	4.51	5.1	35.5	356	> 10000	1.37	< 0.1	5210
17811	30	5	< 5	2.2	0.3	< 1	0.029	0.15	0.49	0.20	3.76	1.34	0.4	11	5.1	738	1.91	2.4	2.2	4820	> 10000	1.77	< 0.1	20.1
17812	65	< 5	< 5	3.3	0.2	< 1	0.024	0.33	0.68	0.29	2.99	0.45	1.1	20	15.6	267	6.89	10.1	33.7	263	4960	1.88	0.1	1030
17813	< 2	< 5	< 5	34.9	0.4	< 1	0.036	1.43	1.79	0.35	5.57	0.21	1.7	11	22.2	514	4.82	14.0	34.4	183	342	4.71	< 0.1	138
17814	12	35	< 5	3.3	0.4	< 1	0.011	1.10	0.35	0.05	1.63	1.25	2.7	6	8.8	712	3.97	15.4	30.7	115	168	1.11	< 0.1	63.6
17815	22	< 5	< 5	5.9	0.3	< 1	0.021	0.76	0.69	0.25	28.7	0.18	1.4	7	9.3	425	7.38	22.9	24.3	2980	396	1.96	< 0.1	752
17816	37	< 5	< 5	0.9	< 0.1	< 1	0.012	0.07	0.25	0.13	185	0.06	0.4	4	4.4	66	16.8	109	12.8	> 10000	973	1.31	0.1	2450
17817	19	< 5	< 5	1.9	0.2	< 1	0.022	0.29	0.53	0.25	74.2	0.14	0.9	10	13.8	176	5.24	25.4	23.4	2950	2090	1.56	0.1	1340
17818	5	31	< 5	10.0	0.3	< 1	0.026	0.51	1.04	0.33	11.4	0.25	1.2	18	17.4	285	3.29	11.3	26.2	623	1530	2.67	< 0.1	351
17819	< 2	< 5	< 5	30.4	0.4	< 1	0.028	1.20	1.75	0.35	0.96	0.17	1.7	9	17.3	504	4.47	15.7	35.3	104	341	4.39	< 0.1	124
17820	4	< 5	< 5	15.4	0.3	< 1	0.033	0.67	0.95	0.24	1.44	0.18	0.9	6	13.7	488	4.15	14.6	29.9	140	498	2.55	< 0.1	150
17821	< 2	< 5	< 5	21.9	0.2	< 1	0.033	1.25	1.20	0.17	0.96	0.16	1.5	7	16.7	801	5.11	13.0	23.9	42.4	108	3.40	< 0.1	47.0
17822	3	< 5	< 5	2.5	0.2	< 1	0.039	0.82	0.47	0.20	1.20	0.12	1.2	4	9.7	590	4.98	13.1	22.5	178	283	1.23	< 0.1	57.0
17823	3	< 5	< 5	37.4	0.2	< 1	0.025	1.55	1.77	0.10	2.96	0.12	2.3	14	20.1	924	6.93	15.8	20.6	292	171	6.24	< 0.1	75.2
17824	< 2	< 5	< 5	25.7	0.2	< 1	0.036	1.48	1.43	0.19	1.86	0.39	2.3	11	19.2	1030	5.59	15.8	28.8	102	289	4.28	< 0.1	80.7
17825	3	< 5	< 5	13.8	0.3	< 1	0.026	1.12	1.02	0.19	1.38	0.60	1.8	7	14.1	733	3.80	13.5	28.2	61.6	273	2.74	< 0.1	75.2
19026	< 2	< 5	< 5	3.5	0.2	< 1	0.030	0.97	0.83	0.18	0.37	2.19	2.1	3	8.1	528	2.98	8.8	22.3	22.9	52.9	1.41	< 0.1	9.7
19027	< 2	< 5	< 5	1.7	0.2	< 1	0.034	0.85	0.44	0.17	0.28	0.64	1.5	3	8.1	314	2.98	12.6	24.0	26.3	41.2	0.97	< 0.1	25.1
19028	< 2	< 5	< 5	0.6	< 0.1	< 1	0.015	0.53	0.18	0.07	0.40	0.77	0.8	1	17.7	307	1.32	4.0	8.7	59.8	1680	0.47	< 0.1	6.6
19029	< 2	< 5	13	2.4	0.2	< 1	0.021	0.89	0.36	0.16	0.16	0.94	1.7	3	18.4	522	2.43	10.5	36.0	15.2	48.5	0.80	< 0.1	16.7
19030	< 2	< 5	< 5	4.6	0.3	< 1	0.026	1.27	0.76	0.20	0.09	1.22	2.6	9	28.3	673	3.33	13.7	40.1	23.1	70.6	1.76	< 0.1	14.4
19031	1850	< 5	< 5	11.4	0.2	58	0.111	0.29	1.30	0.06	44.2	5.47	2.2	27	29.5	1050	3.90	74.0	33.3	141	68.2	4.06	0.1	1980
19032	4	< 5	< 5	3.5	0.2	< 1	0.026	1.11	0.65	0.19	0.11	0.69	2.1	6	17.9	523	3.64	14.9	42.5	26.4	82.0	1.53	< 0.1	13.7
19033	3	9	< 5	3.3	0.3	< 1	0.038	1.16	0.77	0.22	0.24	0.67	2.3	5	12.6	517	3.83	12.2	31.5	26.7	71.9	1.84	< 0.1	9.7
19034	< 2	< 5	< 5	2.6	0.2	< 1	0.033	1.81	0.54	0.17	0.11	2.18	3.8	9	26.1	1090	4.67	21.9	60.1	29.2	78.0	1.28	< 0.1	42.2
19035	< 2	< 5	< 5	4.1	0.3	< 1	0.026	1.41	0.61	0.17	0.28	1.46	2.8	8	14.7	705	3.93	13.7	35.6	32.8	59.7	1.56	< 0.1	20.5
19036	< 2	< 5	5	23.2	0.4	< 1	0.015	1.89	1.50	0.13	0.24	1.09	3.2	18	142	768	4.42	20.9	97.0	38.0	119	3.78	< 0.1	21.2
19037	< 2	6	< 5	41.3	0.3	< 1	0.020	1.89	1.84	0.20	0.96	0.75	3.2	21	105	883	4.99	32.2	82.2	94.2	136	4.43	< 0.1	33.3
19038	5	24	5	21.3	0.2	< 1	0.022	1.14	1.09	0.19	0.94	0.12	1.7	8	18.8	814	4.22	14.5	31.6	53.6	67.4	2.94	< 0.1	8.5
19039	4	8	< 5	4.4	0.2	< 1	0.019	0.95	0.50	0.17	0.77	0.14	1.5	4	8.6	611	4.20	14.9	32.0	28.0	55.3	1.51	< 0.1	10.7
19040	< 2	< 5	< 5	17.7	0.2	< 1	0.029	1.10	1.04	0.21	0.70	0.10	1.7	8	20.5	639	4.45	14.6	33.8	21.8	53.9	2.85	< 0.1	9.1
19041	3	< 5	< 5	7.4	0.2	< 1	0.023	1.26	0.59	0.17	2.26	0.19	2.0	6	12.0	799	5.28	15.8	36.8	116	70.9	1.92	< 0.1	7.6
19042	3	< 5	< 5	10.1	0.3	< 1	0.022	1.45	0.71	0.17	0.65	0.91	2.1	10	23.2	827	4.66	17.9	68.3	39.5	125	2.70	< 0.1	13.3
19043	< 2	< 5	< 5	11.7	0.5	< 1	0.017	1.11	1.25	0.14	0.26	0.75	3.3	15	20.8	488	4.18	14.4	32.6	30.2	81.2	4.06	< 0.1	7.7
19044	4	12	< 5	8.4	0.6	< 1	0.036	1.22	1.09	0.26	1.09	0.41	3.4	11	16.5	752	5.10	18.7	54.3	57.8	94.6	3.08	< 0.1	12.3
19045	7	< 5	< 5	2.5	0.3	< 1	0.037	1.08	0.60	0.24	0.36	0.73	2.4	5	8.2	861	4.39	18.9	58.9	183	72.4	1.52	< 0.1	24.8
19046	< 2	< 5	< 5	37.4	0.3	< 1	0.035	3.54	1.94	0.10	0.20	5.21	8.4	42	140	3270	6.71	34.1	121	4.64	163	5.11	< 0.1	45.1
19047	5	10	12	5.5	0.2	< 1	0.031	1.24	0.74	0.15	0.25	0.77	2.1	4	8.5	1080	4.19	18.2	55.6	87.0	79.0	1.59	< 0.1	19.0
19048	6	< 5	< 5	4.1	0.3	< 1	0.034	1.34	0.72	0.15	0.22	0.53	2.6	5	9.7	1090	5.14	18.8	58.3	60.9	98.5	1.63	< 0.1	14.7
19049	< 2	< 5	< 5	15.6	0.3	< 1	0.020	3.43	0.99	0.05	0.08	5.71	8.9	39	96.8	1890	6.10	32.6	112	14.0	103	3.38	< 0.1	44.9
19050	2	< 5	< 5	3.3	0.3	< 1	0.037	1.15	0.56	0.12	0.14	1.68	2.8	6	11.0	1050	3.44	13.1	33.4	21.8	68.9	1.50	< 0.1	11.5
87650	12	< 5	< 5	3.0	0.3	< 1	0.071	1.24	0.57	0.15	0.29	2.61	2.9	4	12.3	1390	4.05	13.7	32.6	29.0	58.7	1.45	< 0.1	9.5
87651	4	< 5	< 5	6.6	0.3	< 1	0.041	0.90	0.44	0.15	0.17	0.41	1.5	9	9.1	204	4.01	13.7	33.4	55.1	118	1.29	< 0.1	0.9
87652	3	5	< 5	5.5	0.2	< 1	0.060	1.08	0.59	0.14	0.12	1.23	2.3	5	15.0	814	3.54	12.9	31.4	30.9	58.6	1.74	< 0.1	8.9
87653	16	< 5	< 5	19.6	0.1	< 1	0.069	2.92	0.98	0.05	0.18	5.75	11.0	29	98.8	1610	5.78	37.0	123	30.1	78.8	3.02	< 0.1	57.1

Analyte Symbol	Au	Pd	Pt	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	5	5	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Analysis Method	FA-ICP	FA-ICP	FA-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
87654	4	< 5	< 5	2.3	0.2	< 1	0.071	0.93	0.39	0.08	0.09	2.69	1.9	3	11.1	1300	2.60	7.8	19.7	27.6	26.2	0.93	< 0.1	4.8
87655	9	7	< 5	3.6	0.3	< 1	0.049	1.24	0.48	0.17	0.13	0.16	2.7	5	10.0	599	4.40	22.2	57.1	39.2	103	1.30	< 0.1	27.3
87656	6	6	< 5	2.4	0.1	< 1	0.049	0.68	0.45	0.06	0.07	1.59	1.4	2	13.0	893	1.99	5.3	16.6	10.1	28.5	1.00	< 0.1	5.7
87657	< 2	9	7	49.7	0.2	< 1	0.022	4.02	1.99	0.01	0.05	5.11	11.4	69	459	1530	4.41	33.1	290	41.8	62.1	5.40	< 0.1	94.1
87658	< 2	< 5	< 5	46.0	0.2	< 1	0.066	4.10	1.83	0.03	0.05	6.22	17.6	78	304	1560	6.52	40.6	162	77.5	81.6	5.64	< 0.1	51.2
87659	< 2	< 5	< 5	6.0	0.2	< 1	0.048	1.22	0.67	0.12	0.06	0.40	2.3	4	9.6	855	4.24	15.4	37.6	27.3	85.0	1.62	< 0.1	15.2
87660	< 2	< 5	< 5	4.1	0.2	< 1	0.048	1.13	0.52	0.17	0.29	0.67	2.0	4	9.7	1480	4.17	16.7	41.0	32.5	92.3	1.27	< 0.1	13.7
87661	< 2	< 5	< 5	6.2	0.3	< 1	0.037	1.35	0.62	0.20	0.17	0.25	2.2	4	7.3	1410	4.77	16.1	57.2	56.3	117	1.59	< 0.1	7.0
87662	< 2	< 5	< 5	3.0	0.3	< 1	0.040	1.18	0.42	0.17	0.42	0.69	1.9	4	16.7	2000	4.64	19.5	67.5	63.0	93.5	1.06	< 0.1	16.9
87663	< 2	< 5	< 5	2.4	0.3	< 1	0.039	0.99	0.37	0.15	0.29	0.59	1.5	4	10.5	962	3.75	16.2	42.5	38.1	69.0	0.92	< 0.1	14.1
87664	< 2	< 5	< 5	37.9	0.2	< 1	0.024	2.41	1.29	0.12	0.18	2.45	6.3	38	350	756	4.19	27.1	149	32.7	82.9	3.35	< 0.1	72.9
87665	< 2	5	< 5	81.8	0.3	< 1	0.006	6.28	2.81	0.03	< 0.02	7.69	24.6	123	1130	1170	5.72	53.2	359	5.12	98.4	7.38	0.1	204
87666	< 2	< 5	< 5	68.9	0.3	< 1	0.017	5.63	2.43	0.07	0.05	7.76	16.1	97	838	1300	6.38	55.1	346	64.5	98.3	6.44	< 0.1	148
87667	< 2	< 5	< 5	7.8	0.2	< 1	0.050	1.50	0.62	0.19	0.16	1.18	2.7	11	28.2	414	3.87	17.0	53.2	37.6	71.7	1.45	< 0.1	25.8
87668	4	< 5	< 5	1.3	0.1	< 1	0.022	0.89	0.29	0.11	0.11	1.27	1.1	3	12.7	392	2.29	8.4	24.2	23.1	44.7	0.62	< 0.1	10.4
87669	< 2	6	< 5	29.5	0.2	< 1	0.041	3.30	1.29	0.13	0.20	4.05	9.4	42	293	752	5.49	35.7	161	53.6	87.4	3.60	0.1	68.5
87670	3	11	< 5	50.6	0.2	< 1	0.014	4.81	1.78	0.07	24.8	6.44	16.5	80	823	893	4.57	40.3	327	38.7	85.1	4.85	0.1	204
87671	4	< 5	< 5	3.9	0.4	< 1	0.025	1.36	0.70	0.25	0.33	6.25	2.4	25	20.1	318	3.04	9.6	46.2	27.8	308	1.57	0.1	3.8
87672	< 2	< 5	< 5	2.1	0.2	< 1	0.026	1.01	0.44	0.13	0.13	0.89	1.9	5	17.0	328	2.92	12.4	35.4	23.9	54.2	1.03	< 0.1	8.2
87673	< 2	< 5	< 5	2.9	0.2	< 1	0.025	0.76	0.50	0.15	0.13	0.67	1.2	4	11.2	296	2.51	11.4	29.2	23.4	48.4	1.18	< 0.1	4.4
87674	< 2	9	< 5	3.5	0.2	< 1	0.016	0.80	0.47	0.09	0.07	0.50	1.0	3	12.0	256	2.70	10.1	27.4	15.5	51.7	1.03	< 0.1	1.6
87675	5	6	< 5	4.5	0.3	< 1	0.029	1.19	0.51	0.20	0.45	0.38	1.9	6	9.6	328	4.52	20.2	48.2	40.1	84.4	1.28	< 0.1	7.5
87676	< 2	< 5	< 5	13.0	0.2	< 1	0.021	1.27	0.73	0.15	0.40	0.50	1.8	6	13.8	266	4.49	18.1	46.4	42.2	90.7	1.90	< 0.1	9.4
87677	< 2	< 5	< 5	8.2	0.3	< 1	0.031	1.11	0.55	0.20	0.47	0.23	1.8	6	11.8	231	4.14	20.1	53.7	51.0	92.5	1.28	< 0.1	4.7
87678	< 2	< 5	< 5	2.8	0.3	< 1	0.027	1.22	0.34	0.14	0.40	0.82	1.6	4	7.6	496	3.89	15.5	36.7	42.7	72.1	0.70	< 0.1	6.1
87679	< 2	< 5	< 5	1.4	0.2	< 1	0.023	0.99	0.33	0.15	0.22	1.11	1.4	3	10.6	401	3.13	12.0	30.8	32.9	41.8	0.84	< 0.1	7.6
87680	< 2	< 5	< 5	0.8	0.2	< 1	0.023	1.15	0.33	0.17	0.10	1.09	1.7	3	10.9	350	3.71	13.1	37.0	51.2	52.8	0.76	< 0.1	9.2
88801	1870	< 5	< 5	11.4	0.2	50	0.094	0.28	1.14	0.06	46.1	5.29	2.1	26	28.7	1000	3.75	75.3	34.0	147	70.1	3.73	0.1	2020
88802	7	< 5	< 5	1.8	0.1	< 1	0.008	0.03	0.28	0.18	0.14	0.01	0.6	8	10.7	126	0.80	2.3	13.0	36.3	73.0	0.98	< 0.1	4.3
88803	10	35	12	1.0	0.1	< 1	0.005	0.02	0.23	0.16	0.09	0.06	0.7	9	9.9	81	1.69	5.2	28.4	142	84.3	0.91	< 0.1	8.0
88804	5	< 5	< 5	1.1	0.1	< 1	0.006	0.02	0.24	0.17	0.08	0.01	0.5	7	9.1	49	0.87	2.1	14.2	51.0	38.4	1.00	< 0.1	3.7
88805	10	< 5	< 5	0.9	< 0.1	< 1	0.003	0.01	0.17	0.13	0.08	0.01	0.6	5	6.8	58	1.29	3.4	24.9	89.3	59.9	0.66	< 0.1	5.8
88806	3	7	< 5	1.2	0.1	< 1	0.005	0.02	0.28	0.19	0.13	0.05	0.9	9	9.8	92	2.12	4.9	39.1	135	120	1.17	< 0.1	6.1
88807	< 2	< 5	< 5	1.1	0.1	< 1	0.005	0.01	0.17	0.14	0.17	0.01	0.4	6	7.1	50	1.06	2.2	19.1	81.3	46.4	0.78	< 0.1	4.0
88808	6	6	< 5	1.2	0.1	< 1	0.006	0.02	0.25	0.17	0.13	0.01	0.7	8	6.5	52	1.03	1.8	11.5	57.4	31.0	1.18	< 0.1	6.5
88809	4	6	7	0.9	< 0.1	< 1	0.007	0.01	0.14	0.11	0.10	0.01	0.2	5	8.4	19	0.71	0.8	6.7	33.0	45.8	0.76	< 0.1	4.8
88810	9	5	< 5	1.1	0.1	< 1	0.004	0.02	0.21	0.16	0.11	0.01	0.5	6	7.4	23	0.71	1.1	5.7	15.9	23.8	0.97	< 0.1	4.3
88811	4	< 5	< 5	0.8	0.1	< 1	0.003	0.01	0.17	0.13	0.37	0.02	0.6	5	5.7	49	1.44	4.9	23.1	92.6	37.8	0.75	< 0.1	8.7
88812	10	< 5	< 5	1.2	0.2	< 1	0.006	0.02	0.28	0.19	0.24	0.02	0.8	8	9.2	67	1.89	5.1	28.3	115	33.4	1.03	< 0.1	11.8
88813	6	< 5	< 5	0.8	0.1	< 1	0.004	0.05	0.17	0.12	0.15	0.10	0.6	5	12.1	55	1.49	4.6	26.2	119	58.5	0.72	< 0.1	10.2
88814	8	< 5	< 5	1.1	0.1	< 1	0.005	0.28	0.24	0.16	0.15	0.68	0.7	13	9.6	133	1.54	4.3	27.3	82.8	81.9	1.00	< 0.1	10.5
88815	3	6	< 5	0.8	0.1	< 1	0.002	0.18	0.17	0.13	0.10	0.37	0.5	5	6.7	76	1.14	3.5	21.3	80.0	40.2	0.69	< 0.1	7.8
88816	8	< 5	< 5	1.0	0.1	< 1	0.005	0.23	0.23	0.16	0.13	0.51	0.7	8	8.6	101	1.45	4.3	28.0	72.2	52.5	0.84	< 0.1	8.9
88817	7	< 5	< 5	0.9	0.1	< 1	0.004	0.29	0.19	0.14	0.11	0.65	0.6	6	9.2	111	1.36	4.0	24.2	74.5	51.4	0.76	< 0.1	9.6
88818	2	9	< 5	1.1	0.2	< 1	0.005	0.43	0.37	0.22	0.06	1.57	1.3	34	18.1	166	1.91	7.8	51.1	134	137	1.49	< 0.1	11.2
88819	< 2	7	< 5	1.5	< 0.1	< 1	0.008	3.62	0.25	0.12	0.04	6.19	5.6	10	23.0	862	5.34	25.9	150	87.1	147	< 0.02	< 0.1	26.3
88820	< 2	< 5	< 5	2.6	0.1	1	0.020	2.77	0.37	0.16	< 0.02	8.11	6.4	12	19.6	989	5.65	22.0	111	82.1	172	< 0.02	< 0.1	37.6
88821	48	< 5	< 5	1.5	0.2	< 1	0.023	0.14	0.44	0.19	3.40	1.46	0.6	10	4.3	691	1.82	2.4	2.1	5010	> 10000	1.64	< 0.1	22.0
88822	< 2	< 5	< 5	1.6	0.1	< 1	0.010	2.29	0.31	0.13	< 0.02	9.56	6.0	9	7.9	923	4.84	22.2	82.8	59.0	71.8	0.37	< 0.1	33.1
88823	< 2	< 5	< 5	2.1	0.1	< 1	0.022	2.62	0.38	0.13	< 0.02	8.73	7.1	13	15.7	829	5.29	35.1	121	68.9	91.8	0.63	< 0.1	72.0
88824	3	< 5	< 5	2.6	< 0.1	< 1	0.039	2.69	0.27	0.10	< 0.02	9.16	8.0	12	19.2	781	5.50	37.3	171	76.3	58.7	0.44	< 0.1	87.2
88825	< 2	< 5	< 5	5.2	< 0.1	< 1	0.054	3.22	0.39	0.09	< 0.02	9.23	9.3	17	29.4	882	5.78	38.5	163	45.0	49.3	0.81	< 0.1	72.7

Analyte Symbol	Au	Pd	Pt	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	5	5	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Analysis Method	FA-ICP	FA-ICP	FA-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
88826	8	< 5	< 5	3.2	0.1	< 1	0.039	3.21	0.41	0.06	0.19	10.3	9.2	11	21.5	1030	6.20	38.0	152	53.4	55.1	0.51	< 0.1	72.2
88827	< 2	< 5	< 5	2.7	0.1	< 1	0.035	3.21	0.30	0.11	< 0.02	9.48	8.1	12	24.9	985	5.74	48.5	218	54.3	37.9	0.61	< 0.1	63.1
88828	2	< 5	< 5	2.5	0.1	< 1	0.021	3.49	0.25	0.11	< 0.02	8.71	7.4	10	21.6	980	5.99	43.5	201	34.8	46.3	0.39	< 0.1	81.7
88829	2	< 5	< 5	5.2	< 0.1	< 1	0.052	3.51	0.37	0.08	< 0.02	9.09	10.2	16	38.4	957	5.85	41.0	223	34.1	46.3	0.84	< 0.1	86.6
88830	< 2	< 5	5	4.2	< 0.1	< 1	0.048	3.40	0.31	0.04	< 0.02	8.63	11.7	16	36.6	922	5.95	47.2	224	47.8	48.3	0.74	< 0.1	87.1
88831	< 2	< 5	< 5	12.7	0.2	< 1	0.064	3.91	0.52	0.06	< 0.02	8.45	10.2	23	61.1	1090	6.35	48.4	232	58.2	59.7	1.13	< 0.1	81.8
88832	8	5	< 5	14.5	< 0.1	< 1	0.036	3.99	0.62	0.06	< 0.02	8.51	10.1	24	72.0	982	6.34	42.4	216	44.4	66.1	1.65	< 0.1	92.0
88833	37	72	19	7.6	0.1	< 1	0.054	3.33	0.53	0.11	< 0.02	8.44	9.7	20	50.5	976	5.99	41.5	188	39.0	60.0	1.20	< 0.1	80.1
88834	< 2	< 5	< 5	2.6	< 0.1	< 1	0.020	3.63	0.25	0.05	< 0.02	12.3	11.8	14	30.1	1700	8.10	27.4	129	24.3	56.6	0.36	< 0.1	48.6
88835	13	13	< 5	2.5	0.1	< 1	0.032	3.13	0.33	0.09	0.33	10.3	8.5	12	24.7	1320	6.53	42.0	208	41.2	39.0	0.44	< 0.1	57.7
88836	21	9	< 5	1.7	< 0.1	< 1	0.018	3.08	0.19	0.09	7.20	10.7	8.2	10	19.5	1530	7.22	36.5	207	47.9	50.2	0.16	0.1	44.1
88837	11	68	14	2.0	0.2	< 1	0.016	3.62	0.31	0.16	0.03	11.3	7.4	14	24.5	1850	5.95	40.1	173	47.2	60.1	0.15	< 0.1	57.9
88838	2	< 5	< 5	1.5	< 0.1	< 1	0.012	3.20	0.14	0.05	0.06	18.0	5.7	7	12.2	1970	4.84	26.3	119	26.6	34.2	0.13	< 0.1	39.9
88839	6	< 5	< 5	3.5	0.1	< 1	0.031	3.04	0.37	0.09	< 0.02	10.5	9.5	14	24.4	1120	6.59	46.3	215	82.0	77.1	0.50	< 0.1	54.6
88840	14	< 5	< 5	2.6	< 0.1	< 1	0.045	3.20	0.21	0.04	0.06	11.1	10.5	12	26.5	1090	5.75	42.7	221	42.2	40.4	0.44	< 0.1	147
88841	756	< 5	< 5	1.8	0.2	< 1	0.028	0.15	0.44	0.19	2.98	1.39	0.6	12	3.8	542	1.67	5.0	7.1	3050	> 10000	1.59	< 0.1	16.8
88842	12	13	< 5	6.2	0.1	< 1	0.090	3.03	0.47	0.09	< 0.02	10.5	9.6	19	43.8	1140	6.05	44.4	222	42.9	61.9	0.64	< 0.1	112
88843	17	< 5	< 5	14.9	0.1	< 1	0.039	3.52	0.78	0.13	< 0.02	9.45	8.6	28	91.1	1210	6.19	51.5	238	79.0	66.3	1.75	< 0.1	81.3
88844	< 2	< 5	< 5	42.1	0.2	< 1	0.008	4.18	1.57	0.10	< 0.02	7.71	7.4	41	140	1040	5.82	43.2	205	38.9	80.3	3.54	< 0.1	79.4
88845	2	< 5	< 5	70.0	0.1	< 1	0.004	5.11	2.47	0.08	< 0.02	7.22	7.9	57	221	1110	6.29	36.2	247	34.4	68.0	5.38	< 0.1	57.3
88846	< 2	< 5	< 5	96.4	0.2	< 1	0.003	6.01	3.33	0.06	< 0.02	7.00	10.8	86	345	1100	7.29	51.7	289	32.3	116	7.62	< 0.1	65.0
88847	6	7	< 5	3.8	0.2	< 1	0.005	2.78	0.43	0.20	0.14	7.32	3.9	23	23.3	763	3.67	18.8	95.3	153	124	0.82	< 0.1	5.4
88848	4	19	< 5	2.3	0.2	< 1	0.004	1.28	0.30	0.16	0.05	3.15	1.8	13	15.8	379	2.00	8.6	47.9	112	144	0.64	< 0.1	1.8
88849	14	22	5	1.7	0.3	< 1	0.004	1.87	0.40	0.23	0.38	5.68	2.2	20	15.4	551	4.84	15.6	76.5	61.8	329	1.18	< 0.1	49.7
88850	4	17	< 5	2.3	0.2	< 1	0.004	1.25	0.29	0.17	0.10	3.10	1.8	11	14.9	356	2.38	9.8	59.8	135	138	0.51	< 0.1	4.5
88851	9	11	< 5	2.4	0.2	< 1	0.004	2.36	0.32	0.19	0.13	5.90	2.2	17	12.4	559	2.77	12.4	58.4	120	144	0.34	< 0.1	6.4
88852	12	125	44	3.2	0.2	< 1	0.005	3.43	0.28	0.18	< 0.02	7.62	3.4	10	10.7	837	5.59	35.1	133	212	116	0.27	< 0.1	3.2
88853	5	20	< 5	4.3	0.4	3	0.009	2.67	0.52	0.25	0.17	8.19	2.0	41	15.7	422	2.17	5.4	63.7	111	219	< 0.02	< 0.1	3.7
88854	8	18	< 5	4.9	0.5	< 1	0.013	0.96	0.90	0.48	0.31	7.97	1.9	104	30.2	155	2.65	6.1	67.8	326	164	2.77	0.1	39.1
88855	4	18	< 5	4.4	0.5	< 1	0.008	2.57	0.70	0.37	0.16	9.29	2.2	55	19.4	372	2.79	9.5	74.7	179	324	1.75	< 0.1	6.2
88856	10	23	< 5	4.8	0.5	< 1	0.009	2.40	0.78	0.43	0.13	7.27	2.5	54	26.0	381	3.00	7.0	71.8	417	174	2.32	< 0.1	10.3
88857	13	26	< 5	5.8	0.5	< 1	0.007	1.00	0.73	0.39	0.10	4.05	2.1	47	26.5	179	2.88	9.7	85.2	445	70.8	2.61	< 0.1	3.8
88858	5	20	< 5	2.9	0.3	< 1	0.006	0.80	0.43	0.26	0.18	2.09	1.4	18	23.8	189	2.09	6.0	64.3	239	274	1.41	< 0.1	4.6
88859	5	23	6	3.7	0.3	< 1	0.006	1.21	0.54	0.31	0.37	3.90	1.9	29	19.6	240	1.84	6.1	74.3	249	245	1.49	< 0.1	5.5
88860	22	139	42	4.1	0.4	< 1	0.006	2.22	0.59	0.34	0.10	6.61	2.3	34	18.7	444	2.26	5.8	63.5	223	224	1.41	< 0.1	3.2
88861	2020	< 5	< 5	2.1	0.2	< 1	0.027	0.20	0.48	0.28	2.01	2.57	0.4	11	6.9	2770	1.91	3.2	2.9	3970	> 10000	1.62	< 0.1	104
88862	11	< 5	< 5	3.6	0.2	< 1	0.007	0.54	0.52	0.32	0.06	3.16	3.0	18	7.5	117	2.31	3.7	15.0	174	26.3	1.07	< 0.1	11.1
88863	13	18	9	3.3	0.4	< 1	0.006	2.58	0.59	0.32	0.11	8.71	2.3	38	16.8	417	2.39	5.1	70.4	124	214	1.06	< 0.1	10.6
88864	4	13	9	3.1	0.3	< 1	0.007	2.24	0.56	0.31	0.08	8.39	2.1	35	15.8	374	2.05	3.9	55.3	102	141	1.10	< 0.1	7.3
88865	11	< 5	< 5	3.5	0.3	< 1	0.007	0.44	0.49	0.31	0.06	2.51	2.8	17	7.8	91	2.92	4.1	14.8	249	31.3	1.04	< 0.1	8.7
88866	14	22	< 5	4.2	0.5	< 1	0.015	2.23	0.79	0.43	0.11	11.5	2.4	94	27.7	318	2.76	6.5	99.8	212	548	1.71	< 0.1	26.3
88867	22	< 5	< 5	3.4	0.2	< 1	0.007	0.33	0.44	0.28	0.06	2.49	2.3	15	6.9	76	3.49	3.8	16.2	169	19.0	0.89	< 0.1	14.8
88868	14	19	< 5	2.3	0.3	< 1	0.004	1.53	0.43	0.24	0.13	4.93	1.6	31	21.0	254	2.37	4.0	82.3	205	242	1.18	< 0.1	17.7
88869	5	21	< 5	3.0	0.4	< 1	0.005	1.73	0.58	0.31	0.12	6.37	2.0	89	21.4	289	2.47	5.6	91.9	197	467	1.28	< 0.1	12.5
88870	16	18	< 5	4.8	0.4	< 1	0.013	1.78	0.70	0.38	0.10	9.69	2.0	148	23.4	309	2.15	5.6	109	173	613	1.05	< 0.1	2.8
88871	5	19	< 5	2.4	0.3	< 1	0.003	2.28	0.34	0.19	0.14	6.41	1.6	22	16.1	431	2.08	4.6	75.6	153	366	0.43	< 0.1	0.5
88872	8	22	< 5	1.5	0.2	< 1	0.004	0.18	0.23	0.14	0.09	0.97	0.8	10	15.4	45	1.38	4.7	76.1	185	341	0.51	< 0.1	2.1
88873	22	73	37	2.5	0.3	< 1	0.005	0.95	0.40	0.22	0.06	3.42	1.3	23	20.9	217	1.62	4.1	68.9	150	321	0.98	< 0.1	1.0
88874	17	< 5	15	3.1	0.2	< 1	0.004	2.33	0.46	0.11	< 0.02	11.0	4.2	6	13.1	1160	5.39	51.4	226	73.5	41.8	0.12	< 0.1	12.8
88875	93	< 5	< 5	3.3	0.1	< 1	0.007	2.62	0.34	0.14	< 0.02	8.89	4.6	8	19.5	1030	5.55	44.8	207	60.5	55.4	0.06	< 0.1	21.5
88876	3	< 5	7	16.4	0.2	< 1	0.006	3.36	0.78	0.13	< 0.02	9.21	5.1	22	61.8	1210	5.80	41.2	196	93.5	63.1	0.96	< 0.1	18.5
88877	116	< 5	< 5	14.5	0.2	< 1	0.005	2.52	0.83	0.10	< 0.02	12.1	4.7	19	36.5	1110	4.73	40.9	158	73.8	61.1	1.28	< 0.1	33.6

Analyte Symbol	Au	Pd	Pt	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	5	5	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Analysis Method	FA-ICP	FA-ICP	FA-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
88878	< 2	< 5	11	15.4	0.1	< 1	0.007	2.90	0.92	0.11	< 0.02	10.1	4.7	18	31.3	826	5.36	34.5	105	72.3	71.5	1.43	< 0.1	9.4
88879	5	9	< 5	2.5	0.2	< 1	0.004	1.75	0.35	0.19	0.07	4.69	1.4	32	17.0	251	1.28	4.2	41.7	184	278	0.62	< 0.1	9.4
88880	4	9	< 5	2.0	0.2	< 1	0.002	1.67	0.27	0.15	0.09	4.32	1.3	18	16.0	297	1.23	3.5	30.1	158	53.8	0.52	< 0.1	5.4
88881	< 2	< 5	< 5	5.7	0.3	< 1	0.013	1.43	0.72	0.20	0.19	9.04	1.9	10	12.7	301	2.64	7.0	31.1	15.5	34.4	1.23	< 0.1	0.2
88882	6	12	17	2.9	0.3	< 1	0.005	1.13	0.39	0.21	0.08	4.48	1.4	28	21.5	187	1.28	3.7	46.0	225	193	0.81	< 0.1	8.5
88883	19	13	< 5	4.5	0.3	< 1	0.007	1.09	0.53	0.25	0.26	5.15	1.8	80	20.7	277	3.82	8.4	64.2	159	287	1.22	< 0.1	23.8
88884	3	< 5	9	3.8	0.3	< 1	0.006	0.77	0.38	0.26	0.03	4.01	2.6	12	5.2	317	3.37	36.1	63.3	145	32.9	0.56	< 0.1	7.3
88885	8	10	7	4.6	0.3	< 1	0.005	2.06	0.43	0.24	0.05	5.83	2.5	37	12.1	416	2.22	7.7	48.1	106	118	0.33	< 0.1	2.0
88886	< 2	< 5	< 5	3.2	0.2	< 1	0.005	2.94	0.28	0.19	0.11	6.27	2.5	6	5.3	383	2.47	7.1	30.6	81.9	48.8	0.23	< 0.1	2.5
88887	13	10	13	5.1	0.3	< 1	0.005	2.19	0.35	0.20	0.26	4.74	2.6	19	14.3	356	4.41	16.3	82.2	334	108	0.68	< 0.1	2.2
88888	8	6	< 5	7.7	0.3	< 1	0.006	1.18	0.41	0.21	0.09	2.61	1.7	45	24.0	228	2.43	7.2	74.0	103	223	0.71	< 0.1	5.9
88889	3	< 5	9	45.8	0.3	< 1	0.005	4.94	1.72	0.12	< 0.02	8.93	5.6	40	131	1190	6.44	40.0	194	66.5	74.7	3.36	< 0.1	6.6
88890	< 2	< 5	< 5	65.0	0.2	< 1	0.007	4.71	2.31	0.10	< 0.02	10.9	6.7	53	147	1160	6.26	40.2	174	43.2	65.3	4.68	< 0.1	26.9
88891	2	5	< 5	70.6	0.2	< 1	0.007	3.85	2.51	0.08	< 0.02	9.84	8.8	74	166	1200	5.72	36.3	177	76.2	54.6	5.47	< 0.1	22.2
88892	< 2	< 5	< 5	78.5	0.3	< 1	0.006	3.20	2.68	0.09	0.03	10.6	8.3	79	158	1060	6.09	34.3	136	67.0	66.5	6.23	< 0.1	15.4
88893	8	9	< 5	32.9	0.3	< 1	0.005	1.72	1.29	0.13	0.10	4.52	2.7	72	53.8	528	3.28	15.5	91.2	90.4	141	2.27	< 0.1	5.4
88894	4	50	13	119	0.2	< 1	0.004	4.74	3.87	0.05	< 0.02	8.69	9.5	103	235	1120	7.53	45.0	191	57.9	133	8.91	< 0.1	22.2
88895	< 2	< 5	12	23.2	0.2	< 1	0.007	4.32	0.82	0.07	< 0.02	17.6	3.4	23	60.0	1670	4.35	22.6	87.8	25.1	33.3	1.19	< 0.1	14.2
88896	< 2	< 5	< 5	102	0.3	< 1	0.012	3.45	3.82	0.09	0.04	6.17	10.7	131	262	660	7.27	58.7	227	119	109	10.7	< 0.1	12.4
88897	< 2	< 5	< 5	93.7	0.2	< 1	0.007	4.11	3.30	0.04	0.14	8.28	10.7	113	219	1050	7.04	44.2	171	74.4	101	9.27	< 0.1	16.9
88898	< 2	< 5	< 5	88.4	0.3	< 1	0.008	3.68	3.09	0.09	0.06	7.93	6.4	78	55.5	1330	6.59	33.1	88.4	59.6	70.9	7.76	< 0.1	17.0
88899	< 2	< 5	< 5	44.3	0.3	< 1	0.008	1.54	1.93	0.16	0.18	1.89	1.7	14	24.3	597	4.34	22.7	43.7	38.9	71.6	4.17	< 0.1	4.1
88900	< 2	< 5	< 5	59.0	0.3	< 1	0.007	3.74	2.23	0.11	0.17	5.99	6.2	55	131	1440	6.60	35.6	158	21.3	109	5.12	< 0.1	31.3
88901	< 2	< 5	< 5	2.0	0.3	< 1	0.009	1.49	0.44	0.25	0.14	7.94	1.4	5	5.2	236	2.49	8.1	31.4	16.5	51.1	0.71	< 0.1	0.2
88902	< 2	< 5	6	6.8	0.4	< 1	0.012	1.10	0.53	0.17	0.17	0.52	2.4	8	9.8	428	4.72	18.4	52.3	42.1	104	1.29	< 0.1	3.4
88903	< 2	< 5	6	8.1	0.4	< 1	0.007	1.68	0.56	0.11	0.32	2.10	4.2	23	15.6	703	4.92	19.0	50.5	31.1	117	< 0.02	< 0.1	1.4
88904	< 2	< 5	< 5	10.2	0.3	< 1	0.010	1.65	0.53	0.13	0.25	1.46	4.0	23	10.8	750	5.47	20.1	43.0	25.2	132	0.26	< 0.1	0.1
88905	4	< 5	< 5	6.8	0.4	< 1	0.010	1.16	0.38	0.14	0.27	0.40	2.7	7	9.2	614	5.22	21.1	44.0	33.8	113	0.67	< 0.1	< 0.1
88906	< 2	< 5	< 5	6.1	0.3	< 1	0.009	1.03	0.37	0.14	0.35	0.40	2.0	6	12.9	530	4.33	18.5	43.3	26.3	97.2	0.34	< 0.1	3.1
BBE001	3	< 5	< 5	8.8	0.2	< 1	0.003	0.47	1.29	0.04	0.22	0.04	1.3	44	40.7	390	3.85	8.5	17.8	17.7	46.1	5.83	< 0.1	8.1
BBE002	< 2	< 5	21	14.1	0.2	< 1	0.002	0.64	1.76	0.04	0.25	0.02	2.4	42	56.3	356	4.44	9.2	23.0	18.2	58.7	5.95	< 0.1	10.9
BBE003	< 2	< 5	< 5	18.7	0.4	< 1	0.003	0.93	2.27	0.05	0.22	0.06	3.1	48	68.1	528	4.47	15.7	35.0	34.9	71.8	5.67	< 0.1	10.8
BBE004	7	12	< 5	14.8	0.3	< 1	0.002	0.85	1.71	0.05	0.21	0.08	1.6	43	59.4	360	3.43	11.4	29.5	27.2	57.3	4.84	< 0.1	9.0
BBE005	< 2	< 5	< 5	17.2	0.4	< 1	0.003	1.19	2.37	0.03	0.97	0.15	2.5	79	60.3	806	4.84	20.8	27.7	42.2	67.6	7.51	< 0.1	9.3
BBE006	< 2	< 5	< 5	13.7	0.3	< 1	0.003	0.87	1.97	0.03	0.54	0.30	2.7	72	42.5	1100	4.45	23.8	20.1	90.8	52.8	7.06	< 0.1	10.2
BBE007	4	< 5	26	16.1	0.3	< 1	0.004	0.77	1.83	0.04	0.25	0.12	5.8	42	47.2	713	4.43	22.3	43.4	197	58.4	4.51	< 0.1	28.5
BBE007A	3	< 5	< 5	1.9	0.2	< 1	0.002	0.49	0.31	< 0.01	0.19	0.53	32.3	75	11.1	5320	21.0	50.7	261	44.5	72.2	0.58	0.1	9.3
BBE008	8	< 5	12	16.5	0.6	< 1	0.004	0.42	1.81	0.04	0.33	0.47	1.9	31	36.4	439	3.99	16.1	31.3	125	57.5	4.80	< 0.1	35.8
BBE009	< 2	< 5	< 5	17.1	0.6	< 1	0.005	0.40	1.92	0.04	0.31	0.32	2.0	32	33.1	447	3.57	16.0	23.5	135	59.4	5.78	< 0.1	35.6
BBE010	3	< 5	< 5	17.8	0.3	< 1	0.003	0.56	1.94	0.04	0.25	0.04	1.9	30	37.7	327	3.78	11.4	26.1	29.1	68.9	5.38	< 0.1	38.0
BBE011	5	< 5	< 5	13.3	0.4	< 1	0.003	0.47	1.60	0.05	0.26	0.07	0.5	30	35.1	381	3.32	10.8	22.3	36.5	61.9	5.39	< 0.1	23.3
BBE012	4	8	< 5	15.4	0.4	< 1	0.002	0.82	1.94	0.03	0.24	0.15	2.5	58	48.9	1190	4.38	17.9	28.2	53.3	68.7	6.41	< 0.1	14.2
BBE013	7	13	13	10.6	0.4	< 1	0.002	0.64	1.37	0.02	0.12	0.11	9.8	22	74.5	1980	7.44	34.4	84.0	131	56.1	2.48	< 0.1	12.0
BBE013A	< 2	< 5	27	2.9	0.9	< 1	0.002	0.25	1.10	< 0.01	0.10	0.15	28.0	215	36.0	7990	27.2	75.8	138	105	133	0.96	0.2	16.4
BBE014	7	5	8	11.6	0.4	< 1	0.003	1.04	1.41	0.03	0.42	0.24	6.4	33	443	1860	5.52	34.6	176	35.1	76.5	3.29	0.1	22.1
BBE015	3	< 5	13	9.8	0.2	< 1	0.003	0.34	1.00	0.03	0.28	0.25	1.8	15	24.4	780	3.36	17.5	37.3	44.2	67.0	2.48	< 0.1	44.0
BBE016	< 2	6	15	13.5	0.4	< 1	0.004	0.50	1.48	0.05	0.30	0.31	1.8	24	26.0	536	3.48	14.2	29.4	28.3	80.1	4.43	0.1	54.0
BBE017	6	< 5	< 5	17.1	0.3	< 1	0.003	0.50	1.46	0.05	0.40	0.20	3.0	34	34.0	285	3.75	14.4	31.2	33.0	110	4.71	< 0.1	18.3
BBE018	23	< 5	< 5	15.4	0.2	< 1	0.001	0.67	1.29	0.04	0.20	0.08	1.7	21	25.1	349	3.10	11.1	27.8	17.1	76.9	3.74	0.1	13.8
BBE019	15	< 5	< 5	7.8	0.2	< 1	0.001	0.32	0.98	0.03	0.29	0.33	1.1	16	17.7	682	2.32	10.9	22.8	26.4	53.9	2.67	< 0.1	17.1
BBE020	< 2	< 5	< 5	4.7	0.3	< 1	0.001	0.27	0.89	0.02	0.28	0.14	4.2	24	32.6	2020	6.76	19.0	61.2	48.7	63.6	2.15	0.1	92.7
BBE021	3	< 5	18	9.9	0.2	< 1	0.001	0.48	1.12	0.04	0.37	0.12	1.9	12	21.3	1290	4.97	25.5	55.7	53.6	90.5	2.92	0.1	11.1

Analyte Symbol	Au	Pd	Pt	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	5	5	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Analysis Method	FA-ICP	FA-ICP	FA-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
BBE022	< 2	< 5	5	12.0	0.3	< 1	0.001	0.35	1.32	0.05	0.65	0.26	1.4	24	24.9	879	3.93	18.0	30.9	37.4	103	4.27	0.1	15.9
BBE023	2	8	6	8.4	0.3	< 1	0.002	0.32	0.97	0.04	0.40	0.18	2.1	12	17.1	1170	4.72	20.6	53.3	44.7	109	2.19	0.1	17.5
BBE024	3	8	< 5	4.3	0.3	< 1	0.003	0.20	0.68	0.05	0.75	0.12	1.3	9	11.1	154	2.75	10.4	26.6	18.1	176	1.41	0.1	5.6
BBE025	< 2	< 5	< 5	11.4	0.2	< 1	0.002	0.56	1.17	0.03	0.33	0.29	2.2	12	26.2	830	3.13	16.3	52.7	35.6	88.8	2.88	0.1	13.8
BBE026	< 2	5	21	22.6	0.5	< 1	0.003	0.68	2.00	0.07	0.26	0.22	1.9	37	50.9	441	4.27	22.4	49.7	32.0	80.0	5.01	< 0.1	13.2
BBE027	< 2	< 5	17	18.8	0.5	< 1	0.002	0.73	1.78	0.07	0.33	0.28	2.7	54	60.0	644	4.72	23.5	49.1	34.3	104	5.80	0.1	16.9
BBE028	2	< 5	< 5	24.9	0.8	< 1	0.003	0.68	2.28	0.20	0.36	0.16	3.0	47	54.4	801	6.91	27.1	48.0	43.0	99.7	6.23	0.1	28.4
BBE029	5	< 5	8	21.3	0.5	< 1	0.003	0.70	2.21	0.11	0.47	0.17	1.8	26	38.1	421	3.94	18.8	74.6	38.1	84.8	4.89	0.2	17.6
BBE030	3	< 5	13	17.5	0.3	< 1	0.002	0.58	1.59	0.07	0.34	0.19	1.2	25	27.1	336	3.68	12.8	25.0	19.0	66.5	5.03	0.1	16.6
BBE031	3	< 5	< 5	16.5	0.1	< 1	< 0.001	0.85	1.53	0.10	0.21	0.18	1.6	15	23.2	580	3.57	18.9	35.2	39.1	67.4	4.66	0.1	4.9
BBE032	< 2	< 5	< 5	8.7	0.3	< 1	0.003	0.27	1.15	0.08	0.47	0.13	0.8	34	20.1	323	3.88	8.0	16.8	18.9	56.7	5.94	0.1	13.6
BBE033	< 2	< 5	< 5	9.8	0.2	< 1	0.002	0.61	1.27	0.03	0.40	0.31	1.9	74	33.0	547	3.74	13.8	25.6	21.6	46.0	7.64	< 0.1	12.1
BBE034	< 2	< 5	< 5	11.4	0.2	< 1	0.003	0.23	1.16	0.04	0.48	0.30	0.3	30	16.8	629	3.07	15.0	13.9	13.7	46.8	5.35	< 0.1	6.9
BBE035	< 2	< 5	< 5	8.0	0.1	< 1	0.002	0.47	1.10	0.06	0.19	0.05	0.5	24	18.9	433	2.93	11.9	20.9	18.2	57.2	5.14	< 0.1	4.6
BBE036	< 2	< 5	< 5	6.0	< 0.1	< 1	< 0.001	0.35	0.78	0.02	0.28	0.07	0.6	12	10.7	328	4.20	12.0	28.7	25.9	55.5	3.42	< 0.1	34.9
BBE037	< 2	< 5	10	10.4	0.4	< 1	0.002	0.18	1.23	0.03	0.34	0.35	0.5	22	15.6	3060	3.13	46.1	16.2	22.4	65.2	4.68	0.1	9.4
BBE038	49	< 5	11	10.0	0.4	< 1	0.002	0.38	1.10	0.04	0.48	0.25	1.3	20	22.2	769	3.89	15.8	33.2	24.5	118	3.14	0.1	65.1
BBE039 (missing)																								

Analyte Symbol	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	1	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
17751	1.1	4.4	6.8	3.13	16.1	< 0.1	4.39	2.88	2.87	0.41	4.02	2.26	0.03	0.13	19	8.6	18.0	2.2	8.46	1.5	0.2	1.1	0.1	0.6
17752	4.7	3.6	7.9	2.79	18.1	< 0.1	5.52	4.91	12.9	3.64	14.1	3.35	0.04	0.18	< 1	5.7	12.1	1.4	5.52	1.1	0.1	0.9	0.1	0.5
17753	1.9	4.0	10.4	2.96	17.6	< 0.1	0.64	2.89	6.98	1.31	6.31	1.80	< 0.02	0.12	22	11.2	24.7	2.7	10.6	2.0	0.3	1.6	0.2	0.8
17754	0.2	14.4	11.4	2.40	15.7	< 0.1	0.43	1.50	0.60	0.19	6.59	0.21	0.03	0.33	82	15.7	32.2	3.8	14.0	2.4	0.3	1.7	0.2	0.7
17755	2.5	8.8	8.6	1.79	10.1	< 0.1	1.70	2.37	1.10	2.01	9.96	5.53	< 0.02	0.21	4	5.9	12.6	1.5	5.84	1.1	0.1	0.9	0.1	0.5
17756	1.6	10.3	12.6	2.80	17.4	< 0.1	1.31	2.64	1.37	1.47	10.6	0.31	< 0.02	0.27	19	9.6	20.6	2.4	9.27	1.8	0.2	1.4	0.2	0.7
17757	0.9	2.9	5.0	2.04	12.1	< 0.1	2.43	2.74	1.02	1.63	8.37	0.23	< 0.02	0.09	22	9.0	19.4	2.1	8.03	1.4	0.1	1.0	0.1	0.5
17758	3.4	3.6	7.2	2.08	13.2	< 0.1	0.91	4.86	3.68	1.47	6.18	0.35	0.05	0.10	15	6.6	15.1	1.7	6.34	1.3	0.1	1.1	0.1	0.5
17759	8.0	3.0	5.8	1.92	13.6	< 0.1	0.97	5.08	2.86	2.77	11.8	0.43	0.07	0.09	3	5.1	12.1	1.3	5.04	0.9	< 0.1	0.7	< 0.1	0.4
17760	6.1	3.9	5.2	1.91	16.2	< 0.1	1.10	6.17	4.97	2.55	12.6	0.42	0.05	0.11	4	6.9	15.9	1.7	6.67	1.2	< 0.1	0.9	< 0.1	0.4
17761	4.6	2.7	4.6	1.93	13.5	< 0.1	0.83	4.69	2.09	3.66	23.5	0.85	0.02	0.09	7	7.4	16.4	1.8	6.89	1.2	< 0.1	0.9	< 0.1	0.4
17762	3.5	1.7	8.4	1.79	12.4	< 0.1	0.42	3.40	3.71	1.74	14.5	0.60	< 0.02	0.07	12	7.3	16.5	1.8	6.66	1.2	< 0.1	0.9	0.1	0.5
17763	6.9	0.3	8.3	2.75	12.3	< 0.1	0.50	7.23	3.71	4.90	31.3	2.09	0.05	0.04	< 1	5.3	11.7	1.4	5.52	1.3	0.1	1.3	0.2	0.8
17764	4.6	0.7	6.3	1.73	10.5	< 0.1	0.54	4.62	4.43	1.98	14.8	1.50	0.04	0.03	4	5.2	11.2	1.3	4.99	0.9	< 0.1	0.7	< 0.1	0.5
17765	0.6	5.3	14.9	2.00	12.4	< 0.1	0.72	2.69	2.69	0.41	4.67	0.17	< 0.02	0.15	38	12.2	27.4	3.0	11.1	1.9	0.1	1.3	0.1	0.6
17766	0.4	4.1	12.1	2.17	13.0	< 0.1	0.46	1.96	1.52	0.92	6.56	0.18	< 0.02	0.11	27	12.0	27.6	3.0	11.3	2.1	0.2	1.8	0.2	0.7
17767	1.9	10.5	7.5	2.19	18.8	< 0.1	1.04	3.16	1.34	0.94	8.82	0.20	< 0.02	0.25	11	8.4	18.3	2.1	8.31	1.4	0.2	1.1	0.1	0.6
17768	< 0.1	11.6	7.5	1.80	11.3	< 0.1	0.29	0.822	0.17	0.14	6.03	0.06	< 0.02	0.27	88	13.2	26.8	3.1	11.4	1.9	0.3	1.5	0.1	0.6
17769	< 0.1	15.4	9.3	2.92	11.2	< 0.1	0.45	0.398	0.22	0.13	5.16	0.06	< 0.02	0.34	122	26.9	52.9	6.2	22.9	3.8	0.5	2.6	0.3	1.0
17770	0.7	10.3	158	3.03	1.8	< 0.1	109	21.4	70.6	0.39	1.54	20.9	0.99	0.38	8	3.9	7.94	1.0	3.86	0.7	0.3	0.7	< 0.1	0.6
17771	0.1	9.4	10.4	2.34	16.5	< 0.1	1.37	2.52	1.13	1.91	7.42	0.20	< 0.02	0.25	42	10.4	21.5	2.5	9.08	1.6	0.2	1.3	0.1	0.7
17772	3.7	5.2	55.0	5.37	15.1	< 0.1	1.18	5.88	3.90	2.45	8.48	0.25	0.29	0.14	14	2.7	5.90	0.7	3.04	0.8	0.2	1.1	0.2	1.2
17773	< 0.1	10.5	12.9	2.11	10.4	< 0.1	0.43	1.09	0.22	0.17	3.17	0.14	< 0.02	0.25	81	14.0	29.4	3.2	11.7	2.0	0.3	1.4	0.2	0.6
17774	1.2	5.7	12.9	2.11	16.2	< 0.1	0.90	0.837	0.43	0.55	6.80	0.15	< 0.02	0.21	13	6.9	14.8	1.6	6.09	1.0	0.2	0.7	< 0.1	0.5
17775	0.4	10.2	11.1	1.97	8.3	< 0.1	0.81	0.574	0.09	0.41	3.83	0.23	< 0.02	0.27	38	9.9	21.4	2.3	8.43	1.4	0.2	1.0	0.1	0.5
17776	< 0.1	11.0	11.3	1.78	6.9	< 0.1	0.62	0.360	0.07	0.17	2.64	0.08	< 0.02	0.28	80	15.0	32.2	3.4	12.9	2.2	0.4	1.5	0.1	0.6
17777	< 0.1	12.2	11.7	2.04	8.9	< 0.1	0.71	0.341	0.11	0.18	1.97	0.11	< 0.02	0.29	93	18.7	40.2	4.3	15.9	2.6	0.4	1.7	0.2	0.7
17778	< 0.1	8.5	9.4	2.20	10.0	< 0.1	0.55	0.375	0.16	0.33	1.53	0.08	< 0.02	0.23	65	14.3	31.3	3.3	12.1	2.0	0.3	1.5	0.1	0.6
17779	0.2	10.8	34.3	3.74	14.0	< 0.1	0.54	0.502	0.46	0.22	1.80	0.15	< 0.02	0.31	84	10.9	22.6	2.6	9.68	1.6	0.3	1.3	0.2	0.9
17780	< 0.1	11.0	82.7	4.44	8.1	< 0.1	0.37	0.641	0.48	0.05	0.38	0.08	< 0.02	0.28	76	9.4	20.3	2.2	8.46	1.6	0.4	1.5	0.2	1.1
17781	< 0.1	11.9	54.0	3.65	14.0	< 0.1	0.43	0.492	0.19	0.03	6.06	0.08	< 0.02	0.29	41	7.2	14.5	1.7	6.27	1.1	0.2	1.0	0.2	0.9
17782	0.3	16.7	66.3	4.21	10.3	< 0.1	0.85	1.59	0.33	0.05	0.72	0.09	< 0.02	0.37	63	9.7	20.3	2.2	8.44	1.5	0.3	1.4	0.2	1.1
17783	< 0.1	2.6	18.5	1.65	1.4	< 0.1	1.40	0.818	0.04	< 0.02	0.19	0.43	< 0.02	0.06	15	2.7	5.67	0.6	2.28	0.4	0.1	0.4	< 0.1	0.4
17784	0.2	11.6	79.1	4.21	13.5	< 0.1	0.45	1.03	0.92	0.07	0.22	0.11	< 0.02	0.30	50	5.0	10.5	1.2	4.62	0.9	0.2	0.9	0.2	0.9
17785	0.2	13.9	73.6	4.04	7.9	< 0.1	0.55	1.63	1.65	0.07	0.37	0.21	0.07	0.29	86	12.8	26.9	3.0	11.3	2.0	0.4	1.6	0.2	1.0
17786	< 0.1	11.9	68.8	3.97	8.4	< 0.1	0.36	0.655	0.37	0.02	0.22	0.06	< 0.02	0.33	74	15.0	30.6	3.5	13.0	2.1	0.5	1.8	0.2	1.1
17787	< 0.1	10.3	77.3	5.63	10.0	< 0.1	0.41	0.706	0.23	0.04	0.58	0.16	< 0.02	1.33	76	16.3	34.6	3.9	14.8	2.7	0.6	2.3	0.3	1.4
17788	< 0.1	10.9	27.5	3.03	11.8	< 0.1	0.38	0.516	0.23	0.04	0.30	0.17	< 0.02	0.98	61	18.6	39.5	4.4	16.3	2.7	0.5	2.0	0.2	0.9
17789	< 0.1	13.6	40.3	3.03	10.3	< 0.1	0.56	0.431	0.41	0.03	0.36	0.15	< 0.02	0.51	60	11.9	26.8	2.8	10.8	1.8	0.4	1.4	0.2	0.8
17790	< 0.1	14.8	51.4	3.60	12.2	< 0.1	0.62	0.478	0.13	0.03	0.72	0.21	< 0.02	0.64	24	9.1	19.8	2.2	8.58	1.6	0.4	1.4	0.2	0.9
17791	0.9	5.7	407	3.75	2.1	< 0.1	79.7	25.4	32.0	0.68	0.52	48.4	6.04	1.34	5	5.4	11.6	1.4	5.58	1.0	0.3	0.8	0.1	0.7
17792	< 0.1	16.6	16.9	2.71	17.4	< 0.1	0.95	1.65	0.09	0.03	0.62	0.34	0.09	0.42	19	12.1	25.3	2.9	10.9	1.9	0.4	1.5	0.2	0.8
17793	0.7	13.2	11.4	3.02	16.9	< 0.1	1.33	1.12	0.80	0.08	1.23	0.17	< 0.02	0.41	17	13.2	27.5	3.1	11.8	2.1	0.4	1.6	0.2	0.8
17794	1.3	9.6	5.1	2.29	18.9	< 0.1	1.35	1.95	1.20	1.21	3.11	0.23	< 0.02	0.26	3	4.6	9.84	1.1	4.45	0.8	0.2	0.8	0.1	0.5
17795	< 0.1	13.0	11.6	2.46	11.0	< 0.1	1.19	0.699	0.08	0.03	0.90	0.13	< 0.02	0.29	59	16.5	33.5	3.8	14.0	2.3	0.4	1.8	0.2	0.7
17796	< 0.1	18.7	9.2	2.81	13.7	< 0.1	1.29	0.562	0.13	0.05	1.00	0.15	< 0.02	0.37	65	21.9	43.6	4.9	18.3	2.9	0.5	2.1	0.2	0.9
17797	< 0.1	11.6	6.1	2.69	10.4	< 0.1	0.55	0.496	0.20	0.07	0.90	0.06	< 0.02	0.22	64	23.4	49.8	5.4	20.0	3.3	0.6	2.4	0.2	0.9
17798	< 0.1	14.8	6.5	2.46	9.7	< 0.1	0.41	0.432	5.15	0.57	1.46	0.09	0.05	0.30	82	22.4	49.0	5.2	19.4	3.2	0.6	2.3	0.2	0.9
17799	< 0.1	17.4	17.3	3.98	2.0	< 0.1	0.53	0.365	4.70	0.74	1.46	0.09	< 0.02	0.35	84	18.0	38.4	4.1	15.6	2.7	0.6	2.4	0.3	1.1
17800	< 0.1	2.7	11.5	2.48	6.2	< 0.1	1.14	0.763	0.20	< 0.02	0.43	0.07	< 0.02	0.15	14	17.2	33.6	3.9	14.2	2.4	0.4	1.8	0.2	0.8
17801	< 0.1	12.9	10.1	3.38	1.9	< 0.1	0.65	0.444	0.10	0.04	0.67	0.07	< 0.02	0.25	61	26.4	52.3	6.0	22.1	3.8	0.7	2.9	0.3	1.1
17802	< 0.1	20.6	8.8	2.90	7.1	< 0.1	0.63	0.349	0.04	0.04	2.26	0.07	< 0.02	0.37	96	32.0	64.0	7.2	26.0	4.1	0.8	2.9	0.3	1.0

Analyte Symbol	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	1	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
17803	< 0.1	12.5	6.9	2.37	10.2	< 0.1	0.59	0.742	0.11	0.04	0.65	0.06	< 0.02	0.25	60	20.0	41.3	4.6	16.9	2.7	0.5	1.9	0.2	0.7
17804	< 0.1	17.2	8.8	2.99	9.0	< 0.1	0.49	0.491	0.08	0.06	1.39	0.10	< 0.02	0.32	89	28.4	55.2	6.5	24.0	3.9	0.7	2.7	0.3	1.0
17805	< 0.1	11.1	10.1	3.04	9.9	< 0.1	1.48	1.19	0.11	0.05	2.65	0.21	0.03	0.22	61	19.5	38.3	4.4	16.4	2.7	0.5	2.0	0.2	0.9
17806	0.1	25.4	13.7	4.13	10.0	< 0.1	1.66	1.11	0.15	0.08	2.37	1.01	< 0.02	0.44	53	23.3	47.2	5.4	19.7	3.3	0.6	2.4	0.3	1.1
17807	6.7	8.6	9.9	3.31	15.0	< 0.1	7.42	20.2	35.7	2.85	11.7	2.53	0.47	0.17	< 1	2.7	5.79	0.7	2.85	0.6	0.1	0.7	0.1	0.7
17808	0.9	19.2	11.2	3.99	20.5	< 0.1	1.97	39.6	41.9	1.50	20.3	21.0	1.30	0.41	< 1	3.7	10.3	1.4	6.07	1.3	0.3	1.3	0.2	0.9
17809	9.5	17.4	15.6	5.58	13.1	< 0.1	12.8	33.3	44.9	1.68	16.2	61.2	0.10	0.37	< 1	4.0	9.85	1.3	5.65	1.4	0.4	1.5	0.2	1.3
17810	7.0	10.7	8.3	3.03	24.0	< 0.1	7.25	42.3	37.7	0.45	13.3	76.7	< 0.02	0.23	< 1	4.2	9.30	1.2	4.66	1.0	0.3	0.9	0.1	0.7
17811	1.5	5.7	374	3.73	1.6	< 0.1	47.6	17.4	45.1	1.08	1.05	28.4	2.87	1.22	2	4.9	10.3	1.2	4.78	0.9	0.4	0.8	0.1	0.7
17812	5.1	13.4	15.2	4.75	10.7	< 0.1	7.09	26.6	15.1	0.62	6.72	20.2	0.03	0.35	2	4.8	11.1	1.4	6.04	1.3	0.4	1.4	0.2	1.1
17813	1.3	16.5	12.1	3.91	14.4	< 0.1	1.87	5.03	0.97	0.36	3.42	1.36	0.07	0.30	15	18.1	36.0	4.2	15.2	2.6	0.6	2.3	0.3	1.2
17814	0.2	2.6	31.2	2.84	14.0	< 0.1	1.68	2.59	0.41	0.18	1.37	0.60	0.04	1.78	38	9.8	21.0	2.3	8.80	1.6	0.3	1.4	0.2	0.8
17815	5.3	11.8	9.0	2.61	22.5	< 0.1	4.09	21.1	2.80	2.65	19.4	10.3	0.09	0.30	2	7.3	15.2	1.8	6.49	1.2	0.2	1.1	0.1	0.7
17816	0.3	6.3	3.6	1.30	14.8	< 0.1	3.98	89.7	7.04	8.08	57.2	30.1	0.04	0.15	< 1	3.5	7.58	0.9	3.28	0.6	0.1	0.6	< 0.1	0.4
17817	15.1	11.8	8.1	2.85	21.8	< 0.1	2.65	42.2	6.50	2.79	19.4	9.30	0.09	0.25	1	7.9	16.6	2.0	7.76	1.5	0.3	1.4	0.2	0.7
17818	2.6	14.7	11.9	4.28	3.7	< 0.1	1.09	5.49	2.88	0.87	5.26	1.51	0.06	0.30	16	12.5	25.9	3.2	12.3	2.3	0.4	2.0	0.2	1.1
17819	0.6	14.9	9.2	3.28	16.3	< 0.1	1.32	2.36	0.73	0.07	0.80	0.93	0.04	0.29	29	17.2	34.8	4.1	15.2	2.6	0.5	2.0	0.2	0.9
17820	0.8	11.4	10.8	3.46	16.4	< 0.1	1.39	1.92	1.37	0.16	1.55	1.43	< 0.02	0.21	19	13.6	27.9	3.2	11.7	2.1	0.4	1.9	0.2	1.0
17821	< 0.1	7.0	9.1	3.14	9.0	< 0.1	0.71	0.799	0.11	0.07	1.07	0.29	< 0.02	0.18	58	22.1	46.0	5.1	18.7	3.1	0.5	2.2	0.2	1.0
17822	0.7	8.6	9.1	2.83	15.9	< 0.1	1.03	0.767	1.25	0.14	1.12	0.57	< 0.02	0.19	22	11.9	24.9	2.8	10.5	1.8	0.3	1.4	0.2	0.7
17823	< 0.1	4.3	7.6	2.65	10.7	< 0.1	0.60	0.976	0.25	0.36	1.96	0.46	< 0.02	0.47	28	17.5	37.1	4.1	15.4	2.5	0.3	1.9	0.2	0.8
17824	0.2	8.0	17.0	3.41	11.2	< 0.1	1.05	0.844	0.65	0.10	1.29	0.39	< 0.02	0.66	45	18.9	38.5	4.4	16.4	2.8	0.5	2.2	0.2	1.0
17825	< 0.1	8.6	24.5	3.32	8.5	< 0.1	1.15	0.780	0.67	0.07	2.38	0.48	< 0.02	1.30	63	19.5	38.4	4.4	16.0	2.7	0.5	2.1	0.2	1.0
19026	< 0.1	7.2	52.5	4.30	6.0	< 0.1	1.21	0.723	0.11	< 0.02	0.33	0.14	< 0.02	0.42	49	11.7	23.6	2.7	9.85	1.8	0.4	1.6	0.2	1.0
19027	< 0.1	6.8	24.1	3.41	8.0	< 0.1	0.97	0.679	0.08	< 0.02	0.41	0.09	< 0.02	0.23	42	11.6	24.1	2.7	10.2	1.8	0.3	1.5	0.2	0.9
19028	< 0.1	3.0	28.6	1.89	2.6	< 0.1	1.37	0.465	5.05	0.09	0.16	0.07	< 0.02	0.07	18	4.9	10.1	1.2	4.41	0.8	0.2	0.7	< 0.1	0.4
19029	< 0.1	6.0	32.3	2.45	5.8	< 0.1	0.98	0.377	0.02	< 0.02	0.20	0.09	< 0.02	0.17	41	13.0	27.4	3.0	11.0	2.0	0.4	1.6	0.2	0.8
19030	< 0.1	8.2	38.6	2.84	6.5	< 0.1	0.69	0.319	0.03	< 0.02	0.28	0.09	< 0.02	0.22	50	12.2	25.8	2.8	10.6	1.9	0.4	1.5	0.2	0.8
19031	3.8	3.2	104	8.75	11.2	< 0.1	10.6	0.916	0.47	0.17	3.04	6.39	4.86	0.85	33	12.2	16.3	2.3	8.83	1.5	0.6	1.6	0.2	1.5
19032	< 0.1	7.5	24.0	2.89	5.2	< 0.1	0.79	0.389	0.02	< 0.02	0.18	0.12	< 0.02	0.26	48	13.1	27.2	3.0	11.2	2.1	0.4	1.7	0.2	0.8
19033	< 0.1	8.6	27.5	3.03	8.7	< 0.1	0.70	0.380	0.05	< 0.02	0.34	0.13	< 0.02	0.21	58	15.8	32.2	3.7	13.3	2.3	0.5	1.8	0.2	0.8
19034	< 0.1	6.4	68.3	3.12	6.7	< 0.1	0.62	0.335	0.06	< 0.02	0.21	0.15	< 0.02	0.21	48	7.2	15.6	1.7	6.78	1.3	0.4	1.3	0.2	0.8
19035	< 0.1	6.5	46.9	2.98	9.5	< 0.1	0.83	0.473	0.05	< 0.02	0.43	0.12	< 0.02	0.32	47	10.0	20.1	2.3	8.44	1.6	0.4	1.4	0.2	0.8
19036	< 0.1	4.9	36.3	3.04	7.7	< 0.1	1.05	0.502	0.10	< 0.02	0.75	0.14	< 0.02	0.35	38	14.3	28.5	3.2	12.2	2.3	0.5	1.9	0.2	0.9
19037	0.2	7.9	28.0	3.21	7.6	< 0.1	0.87	0.521	0.12	0.02	0.20	0.17	< 0.02	0.23	51	13.1	26.9	3.1	11.7	2.2	0.4	1.8	0.2	0.9
19038	< 0.1	7.8	6.8	2.48	11.3	< 0.1	0.55	0.349	0.04	0.04	0.50	0.11	< 0.02	0.32	45	14.5	30.4	3.4	12.5	2.1	0.4	1.5	0.2	0.7
19039	< 0.1	7.0	8.1	2.61	9.1	< 0.1	0.64	0.303	0.01	< 0.02	0.26	0.32	< 0.02	0.25	37	11.5	23.4	2.6	9.88	1.7	0.3	1.4	0.2	0.7
19040	< 0.1	8.3	6.9	2.51	9.1	< 0.1	0.72	0.264	0.01	< 0.02	0.53	0.22	< 0.02	0.27	47	14.1	28.9	3.2	11.8	2.1	0.4	1.6	0.2	0.7
19041	< 0.1	7.0	7.9	2.38	12.6	< 0.1	0.66	0.420	0.06	0.12	0.56	0.13	< 0.02	0.31	45	13.0	26.3	2.9	10.7	1.9	0.3	1.5	0.2	0.7
19042	< 0.1	7.8	37.9	4.12	1.2	< 0.1	1.02	0.655	0.08	< 0.02	0.55	0.18	0.13	0.65	48	15.2	30.3	3.5	13.1	2.5	0.6	2.4	0.3	1.2
19043	< 0.1	6.0	24.7	4.28	4.3	< 0.1	0.85	0.372	0.04	0.02	0.59	0.17	< 0.02	1.16	35	14.4	30.2	3.4	12.6	2.3	0.5	2.0	0.3	1.1
19044	< 0.1	10.3	22.0	4.30	5.0	< 0.1	0.72	0.348	0.07	0.03	0.66	0.22	< 0.02	1.11	45	13.3	25.7	3.0	11.2	2.0	0.4	1.8	0.2	1.1
19045	1.2	9.5	30.5	3.29	13.4	< 0.1	1.17	0.416	0.05	0.03	0.23	0.20	0.08	0.41	21	9.1	16.8	2.1	7.45	1.3	0.3	1.1	0.2	0.8
19046	< 0.1	4.0	162	5.95	2.4	< 0.1	1.47	0.819	0.16	0.03	0.63	0.07	< 0.02	0.25	39	9.8	20.9	2.6	10.9	2.4	0.7	2.5	0.3	1.7
19047	0.3	5.7	26.6	2.51	12.7	< 0.1	0.77	0.457	0.05	< 0.02	0.25	0.16	< 0.02	0.33	49	9.4	18.8	2.2	8.17	1.4	0.3	1.1	0.1	0.6
19048	0.7	5.8	21.9	2.61	12.6	< 0.1	1.05	0.587	0.04	< 0.02	0.71	0.28	0.75	0.36	40	9.2	18.3	2.1	7.74	1.4	0.3	1.1	0.1	0.7
19049	< 0.1	2.0	145	5.84	2.0	< 0.1	0.76	0.443	0.12	0.03	1.73	0.05	< 0.02	0.25	18	6.0	13.7	1.7	7.77	1.9	0.6	2.1	0.3	1.6
19050	< 0.1	5.1	45.4	3.03	6.8	< 0.1	0.41	0.463	0.06	< 0.02	0.64	0.09	< 0.02	0.96	57	13.0	27.0	3.0	11.1	1.9	0.4	1.5	0.2	0.8
87650	< 0.1	5.9	49.0	3.80	6.3	< 0.1	0.67	0.425	0.09	< 0.02	0.14	0.06	< 0.02	0.34	84	9.9	20.9	2.3	8.57	1.6	0.4	1.4	0.2	0.9
87651	2.7	8.0	37.3	3.30	2.7	< 0.1	0.41	0.503	0.07	< 0.02	0.40	0.41	0.14	1.05	32	8.6	17.7	2.1	8.15	1.7	0.4	1.8	0.2	1.1
87652	< 0.1	5.3	28.7	2.67	7.8	< 0.1	0.67	0.398	0.03	< 0.02	0.91	0.05	< 0.02	0.26	115	10.4	22.0	2.4	8.93	1.6	0.3	1.3	0.2	0.7
87653	< 0.1	1.8	102	4.27	1.9	< 0.1	0.73	0.309	0.13	0.04	< 0.05	0.11	< 0.02	0.18	37	6.3	13.8	1.7	7.13	1.6	0.5	1.7	0.2	1.2

Analyte Symbol	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	1	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
87654	< 0.1	3.2	51.7	2.58	5.3	< 0.1	0.55	0.302	0.06	< 0.02	0.16	< 0.02	< 0.02	0.16	85	14.6	30.3	3.2	11.8	2.0	0.5	1.6	0.2	0.8
87655	< 0.1	6.7	10.1	3.03	6.4	< 0.1	0.67	0.394	0.13	< 0.02	0.14	0.09	< 0.02	0.26	158	26.0	51.0	5.8	20.9	3.5	0.7	2.6	0.3	1.2
87656	< 0.1	2.3	33.6	2.16	6.6	< 0.1	0.76	0.419	0.08	< 0.02	4.29	0.04	< 0.02	0.18	70	15.7	32.8	3.5	12.8	2.1	0.4	1.5	0.2	0.7
87657	< 0.1	0.5	168	3.46	5.0	< 0.1	0.52	0.386	0.09	0.04	0.15	0.14	< 0.02	0.14	9	7.0	15.3	1.8	7.08	1.5	0.5	1.3	0.2	1.0
87658	< 0.1	1.0	135	3.88	1.4	< 0.1	0.71	0.361	0.11	0.04	< 0.05	0.08	< 0.02	0.12	11	6.0	13.2	1.7	7.12	1.6	0.5	1.6	0.2	1.1
87659	< 0.1	4.6	19.6	2.97	7.0	< 0.1	0.35	0.420	0.01	< 0.02	0.38	0.06	< 0.02	0.30	71	18.7	38.0	4.2	15.6	2.6	0.5	2.0	0.2	0.9
87660	< 0.1	6.4	21.4	3.16	5.8	< 0.1	0.72	0.413	0.04	< 0.02	0.16	0.05	< 0.02	0.25	66	12.2	25.0	2.8	10.2	1.8	0.4	1.5	0.2	0.8
87661	0.1	8.0	12.5	3.82	1.6	< 0.1	0.44	0.649	0.02	0.02	0.42	0.07	< 0.02	0.28	59	17.1	32.8	3.8	14.1	2.5	0.5	2.0	0.2	1.1
87662	0.3	7.4	24.1	2.83	10.1	< 0.1	1.10	0.556	0.04	< 0.02	0.60	0.11	0.08	0.24	32	8.3	16.2	1.9	7.09	1.3	0.3	1.3	0.2	0.8
87663	< 0.1	6.3	24.3	2.75	9.4	< 0.1	0.90	0.462	0.03	< 0.02	0.36	0.09	0.03	0.27	43	8.7	17.3	2.0	7.40	1.4	0.3	1.3	0.2	0.8
87664	< 0.1	5.2	85.8	3.30	5.3	< 0.1	1.63	0.477	0.07	< 0.02	0.31	0.10	< 0.02	0.22	46	6.4	13.1	1.5	6.10	1.3	0.4	1.4	0.2	1.0
87665	< 0.1	1.1	254	3.24	2.1	< 0.1	1.28	0.596	0.13	0.03	0.07	0.13	< 0.02	0.14	10	3.5	7.71	1.0	4.21	1.1	0.5	1.2	0.2	0.9
87666	< 0.1	3.0	233	3.55	2.6	< 0.1	0.75	0.399	0.12	0.03	< 0.05	0.16	< 0.02	0.17	30	3.6	7.86	1.0	4.46	1.1	0.4	1.3	0.2	1.0
87667	< 0.1	7.7	40.5	3.67	2.8	< 0.1	1.25	0.495	0.08	< 0.02	2.33	0.16	< 0.02	0.29	73	12.6	25.3	2.9	10.8	2.1	0.5	1.8	0.2	1.0
87668	< 0.1	4.3	38.6	2.65	8.0	< 0.1	1.65	0.519	0.11	< 0.02	0.22	0.04	< 0.02	0.17	51	7.2	14.7	1.7	6.24	1.2	0.3	1.1	0.1	0.7
87669	0.1	5.1	118	3.86	4.5	< 0.1	0.93	0.594	0.12	0.02	0.15	0.09	< 0.02	0.22	74	4.9	10.3	1.2	5.13	1.2	0.4	1.4	0.2	1.1
87670	3.2	2.8	208	3.73	3.4	< 0.1	0.81	13.4	0.29	0.02	< 0.05	0.60	1.79	0.21	30	5.3	11.2	1.3	5.22	1.2	0.4	1.3	0.2	1.0
87671	4.7	12.1	189	12.8	0.4	< 0.1	6.73	1.32	4.88	0.03	0.17	0.14	0.05	0.67	59	3.1	5.61	0.8	3.82	1.1	0.3	1.7	0.3	2.1
87672	< 0.1	5.1	29.6	2.81	6.5	< 0.1	1.03	0.509	0.08	< 0.02	0.27	0.10	< 0.02	0.55	38	10.6	21.8	2.4	9.03	1.7	0.4	1.5	0.2	0.8
87673	< 0.1	6.0	19.0	2.47	8.7	< 0.1	1.13	0.517	0.02	< 0.02	0.25	0.11	< 0.02	0.26	39	11.3	22.7	2.6	9.50	1.8	0.4	1.4	0.2	0.7
87674	< 0.1	3.8	15.3	2.36	9.1	< 0.1	0.80	0.335	0.04	< 0.02	0.07	0.04	< 0.02	0.19	26	10.1	20.4	2.3	8.41	1.6	0.3	1.3	0.1	0.7
87675	< 0.1	8.1	16.3	2.79	14.8	< 0.1	1.23	0.433	0.06	< 0.02	0.12	0.14	< 0.02	0.38	59	10.8	21.2	2.4	8.97	1.7	0.4	1.4	0.2	0.8
87676	< 0.1	6.1	20.3	2.63	14.7	< 0.1	1.01	0.526	0.06	< 0.02	0.24	0.11	< 0.02	0.27	45	7.2	14.5	1.7	6.32	1.2	0.3	1.1	0.1	0.7
87677	< 0.1	8.4	12.6	3.09	14.5	< 0.1	1.13	0.679	0.04	0.02	0.37	0.12	< 0.02	0.31	65	11.5	22.4	2.6	9.60	1.8	0.4	1.8	0.2	1.0
87678	< 0.1	6.2	31.2	3.21	12.2	< 0.1	4.30	0.614	0.13	< 0.02	0.41	0.15	< 0.02	0.55	55	9.8	19.9	2.3	8.66	1.6	0.4	1.7	0.2	0.9
87679	< 0.1	6.2	38.9	2.77	6.8	< 0.1	0.96	0.434	0.13	< 0.02	0.18	0.10	< 0.02	0.20	73	7.2	14.4	1.6	6.22	1.2	0.3	1.1	0.2	0.8
87680	< 0.1	6.7	34.7	3.73	10.1	< 0.1	1.88	0.345	0.14	< 0.02	0.09	0.10	< 0.02	0.23	62	8.7	17.4	2.0	7.40	1.4	0.3	1.3	0.2	0.9
88801	3.9	3.3	104	8.27	10.6	< 0.1	10.6	0.905	0.59	0.17	2.90	6.25	4.97	0.88	34	11.3	15.3	2.1	8.52	1.4	0.6	1.5	0.2	1.4
88802	0.5	4.4	1.7	1.44	10.5	< 0.1	1.10	3.69	0.10	< 0.02	0.24	0.56	0.05	0.08	83	10.5	18.3	2.5	9.01	1.5	0.2	1.0	< 0.1	0.4
88803	1.1	3.8	5.3	2.67	7.9	< 0.1	1.89	1.09	0.34	< 0.02	0.25	0.20	< 0.02	0.11	69	9.7	16.2	2.2	8.16	1.3	0.2	1.0	0.1	0.5
88804	0.4	4.0	1.7	1.35	10.8	< 0.1	1.08	0.869	0.07	< 0.02	0.24	0.14	< 0.02	0.09	74	8.1	13.9	1.8	6.76	1.1	0.2	0.7	< 0.1	0.3
88805	0.9	3.0	1.6	1.76	10.9	< 0.1	0.93	0.734	0.18	< 0.02	0.32	0.14	< 0.02	0.09	59	8.1	13.3	1.8	6.69	1.2	0.2	0.8	< 0.1	0.4
88806	1.6	4.8	3.9	3.12	8.8	< 0.1	1.38	0.706	0.22	< 0.02	0.17	0.29	< 0.02	0.12	85	9.2	15.5	2.1	7.70	1.3	0.3	1.0	0.1	0.6
88807	< 0.1	3.4	1.4	1.37	10.4	< 0.1	0.80	0.581	0.10	< 0.02	0.29	0.15	0.06	0.06	62	8.5	14.3	1.9	7.17	1.2	0.3	1.0	< 0.1	0.4
88808	0.2	4.5	1.4	1.25	11.0	< 0.1	0.48	0.543	0.05	< 0.02	0.22	0.34	< 0.02	0.09	75	7.8	14.0	1.8	6.55	1.1	0.2	0.8	< 0.1	0.3
88809	1.9	3.0	4.7	1.02	9.6	< 0.1	0.80	0.527	0.03	< 0.02	0.35	0.28	< 0.02	0.06	53	8.0	13.4	1.8	6.72	1.1	0.2	0.9	< 0.1	0.3
88810	2.3	4.1	4.6	0.94	12.6	< 0.1	0.68	0.574	0.03	< 0.02	0.10	0.48	< 0.02	0.07	72	8.2	14.7	1.8	6.66	1.1	0.2	0.8	< 0.1	0.2
88811	3.1	3.5	1.9	2.03	12.6	< 0.1	1.08	0.554	0.13	< 0.02	0.13	0.42	< 0.02	0.06	52	4.6	7.61	1.0	3.92	0.8	0.2	0.7	< 0.1	0.4
88812	3.8	5.1	2.3	2.18	13.7	< 0.1	1.11	0.807	0.13	< 0.02	0.10	0.68	< 0.02	0.09	51	5.6	9.55	1.3	4.69	0.9	0.2	0.7	< 0.1	0.4
88813	2.7	3.3	5.1	2.10	12.6	< 0.1	1.22	0.720	0.23	< 0.02	0.07	0.47	< 0.02	0.07	48	4.0	6.94	1.0	3.67	0.7	0.2	0.6	< 0.1	0.4
88814	3.1	4.7	28.2	3.10	14.8	< 0.1	1.90	0.781	0.52	< 0.02	0.18	0.80	< 0.02	0.10	60	3.5	6.01	0.9	3.53	0.7	0.2	0.7	< 0.1	0.5
88815	1.8	3.4	15.4	1.74	11.8	< 0.1	0.82	0.517	0.19	< 0.02	0.12	0.48	< 0.02	0.07	51	3.2	5.48	0.8	2.99	0.6	0.1	0.6	< 0.1	0.3
88816	2.2	4.4	19.8	2.26	15.6	< 0.1	1.45	0.558	0.28	< 0.02	0.10	0.76	< 0.02	0.10	54	3.6	6.04	0.9	3.28	0.7	0.2	0.6	< 0.1	0.4
88817	2.3	3.9	24.0	2.14	13.8	< 0.1	1.12	0.706	0.36	< 0.02	2.38	0.57	< 0.02	0.08	61	3.3	5.68	0.8	2.98	0.6	0.1	0.6	< 0.1	0.4
88818	1.7	6.7	57.0	10.8	2.2	< 0.1	3.63	0.848	1.69	< 0.02	0.26	0.45	< 0.02	0.24	114	6.0	9.88	1.6	7.01	1.7	0.6	2.0	0.3	1.7
88819	1.2	3.6	197	8.01	4.8	< 0.1	12.6	0.546	1.20	< 0.02	0.34	0.23	< 0.02	0.14	92	1.9	4.30	0.6	3.33	1.2	0.6	2.0	0.3	2.0
88820	0.3	4.5	234	10.2	4.4	< 0.1	1.30	0.463	1.49	0.02	0.46	0.12	< 0.02	0.17	196	2.8	6.20	0.9	4.31	1.5	0.9	2.6	0.4	2.5
88821	1.2	5.3	386	3.55	1.5	< 0.1	47.9	16.8	44.1	1.06	0.75	26.1	2.67	1.18	19	5.0	10.4	1.2	4.83	0.9	0.3	0.8	0.1	0.7
88822	0.3	3.5	212	7.95	3.1	< 0.1	0.83	1.28	0.65	< 0.02	< 0.05	0.15	< 0.02	0.18	158	1.8	4.07	0.6	3.09	1.2	0.7	1.8	0.3	1.9
88823	0.2	3.8	185	7.18	1.9	< 0.1	0.57	0.424	0.44	0.03	< 0.05	0.14	< 0.02	0.19	161	2.1	4.74	0.7	3.36	1.2	0.7	1.8	0.3	1.8
88824	< 0.1	3.1	198	6.95	1.7	< 0.1	0.90	0.959	0.20	0.03	4.43	0.09	< 0.02	0.20	123	2.1	4.81	0.7	3.37	1.2	0.7	1.8	0.3	1.8
88825	< 0.1	3.3	211	6.66	1.4	< 0.1	0.69	0.456	0.16	0.03	< 0.05	0.08	< 0.02	0.19	100	2.4	5.34	0.7	3.52	1.2	0.6	1.7	0.3	1.8

Analyte Symbol	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	1	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
88826	0.2	2.3	217	6.59	3.1	< 0.1	1.32	0.581	0.28	0.02	< 0.05	0.28	< 0.02	0.18	77	2.1	4.75	0.7	3.34	1.1	0.6	1.7	0.3	1.7
88827	< 0.1	3.9	253	7.04	1.4	< 0.1	2.01	0.390	0.18	< 0.02	< 0.05	0.15	< 0.02	0.20	98	1.7	4.12	0.6	3.15	1.1	0.7	1.7	0.3	1.8
88828	< 0.1	4.3	238	7.38	0.8	< 0.1	0.54	0.237	0.20	0.02	< 0.05	0.07	< 0.02	0.19	84	1.9	4.56	0.7	3.40	1.3	0.7	1.9	0.3	1.9
88829	< 0.1	3.2	200	6.01	0.7	< 0.1	0.47	0.327	0.18	0.02	4.58	0.06	< 0.02	0.17	50	2.1	4.76	0.7	3.30	1.2	0.6	1.7	0.3	1.6
88830	< 0.1	1.6	153	4.45	0.5	< 0.1	0.30	0.401	0.14	0.03	< 0.05	0.05	< 0.02	0.14	33	1.8	4.01	0.5	2.76	1.0	0.5	1.4	0.2	1.3
88831	< 0.1	2.4	219	5.89	0.5	< 0.1	0.63	0.423	0.14	0.03	1.07	0.25	< 0.02	0.17	61	2.0	4.45	0.6	3.03	1.1	0.6	1.7	0.3	1.7
88832	< 0.1	2.3	189	6.64	0.4	< 0.1	0.38	0.358	0.15	0.03	< 0.05	0.05	< 0.02	0.15	48	1.9	4.52	0.6	3.22	1.2	0.6	1.7	0.3	1.7
88833	< 0.1	4.2	179	6.58	0.6	< 0.1	0.42	0.551	0.20	0.02	0.77	0.09	< 0.02	0.19	61	2.5	5.67	0.8	3.79	1.3	0.6	1.8	0.3	1.8
88834	< 0.1	1.8	221	9.08	1.4	< 0.1	0.74	0.445	0.24	0.03	< 0.05	0.11	< 0.02	0.09	27	2.1	5.00	0.7	3.59	1.3	0.7	2.0	0.4	2.3
88835	1.7	3.3	196	6.41	1.0	< 0.1	0.41	1.82	0.34	< 0.02	0.36	1.50	0.09	0.14	61	1.9	4.41	0.6	3.07	1.1	0.6	1.7	0.3	1.7
88836	15.2	3.0	213	6.42	1.9	< 0.1	0.31	15.8	1.70	< 0.02	1.26	11.9	1.48	0.13	72	1.3	3.20	0.5	2.63	1.0	0.7	1.6	0.3	1.6
88837	0.3	5.2	259	6.34	1.3	< 0.1	0.52	1.26	0.30	< 0.02	< 0.05	0.23	< 0.02	0.15	197	2.1	4.65	0.7	3.32	1.2	0.7	1.7	0.3	1.6
88838	0.5	1.7	322	9.44	1.0	< 0.1	0.22	0.510	0.25	< 0.02	< 0.05	0.24	< 0.02	0.07	51	2.6	5.34	0.7	3.52	1.2	0.8	1.8	0.3	2.0
88839	0.6	2.8	201	7.57	2.3	< 0.1	1.14	0.457	0.54	0.02	< 0.05	0.22	< 0.02	0.28	72	1.6	3.90	0.6	3.19	1.2	0.7	1.9	0.3	2.0
88840	0.4	1.4	199	6.22	2.2	< 0.1	0.75	0.616	0.24	0.03	< 0.05	0.39	< 0.02	0.14	26	2.2	4.86	0.7	3.33	1.2	0.6	1.7	0.3	1.7
88841	0.7	5.3	418	3.70	1.7	< 0.1	75.7	26.0	32.3	0.66	0.54	47.8	6.26	1.34	23	5.6	11.7	1.4	5.54	1.0	0.4	0.8	0.1	0.7
88842	< 0.1	2.9	217	6.68	1.6	< 0.1	0.39	0.395	0.14	0.03	0.29	0.09	< 0.02	0.19	72	2.8	6.05	0.8	3.78	1.2	0.7	1.9	0.3	1.9
88843	< 0.1	3.4	188	7.09	1.6	< 0.1	0.56	1.16	0.14	0.02	< 0.05	0.13	0.08	0.21	105	2.6	5.80	0.8	3.93	1.3	0.7	2.0	0.3	1.9
88844	0.2	2.6	205	9.80	1.7	< 0.1	0.81	0.425	0.16	0.02	< 0.05	0.08	< 0.02	0.15	94	3.2	7.07	0.9	4.57	1.5	0.7	2.3	0.4	2.5
88845	0.2	1.9	217	9.56	0.9	< 0.1	0.47	0.478	0.17	0.02	0.97	0.06	< 0.02	0.10	77	2.9	6.19	0.8	3.92	1.4	0.7	2.3	0.4	2.5
88846	0.2	1.5	225	8.07	1.1	< 0.1	0.66	0.586	0.14	0.02	< 0.05	0.06	< 0.02	0.10	59	3.3	6.80	0.9	4.15	1.3	0.6	2.0	0.4	2.2
88847	2.8	5.2	256	17.6	1.4	< 0.1	4.30	0.847	0.50	0.02	42.3	0.22	0.05	0.25	116	3.4	7.85	1.4	7.39	2.5	1.2	3.6	0.6	3.7
88848	1.2	3.9	97.1	8.30	3.5	< 0.1	2.07	0.515	0.63	< 0.02	0.17	0.17	< 0.02	0.20	118	3.5	6.05	1.1	4.92	1.4	0.4	1.7	0.3	1.6
88849	7.9	6.2	169	18.4	2.6	< 0.1	5.14	0.620	1.54	0.03	0.19	0.72	0.29	0.34	36	4.3	8.49	1.7	8.74	2.7	1.0	3.7	0.6	3.5
88850	3.5	4.3	89.9	7.79	5.0	< 0.1	2.71	0.513	0.80	< 0.02	0.11	0.30	0.04	0.21	98	2.9	5.24	0.9	4.33	1.3	0.4	1.7	0.3	1.6
88851	3.1	4.9	156	13.6	2.2	< 0.1	3.11	0.468	0.61	< 0.02	0.09	0.22	< 0.02	0.24	119	3.8	7.64	1.3	6.49	2.1	0.7	2.8	0.5	2.8
88852	8.3	4.4	213	10.1	2.0	< 0.1	0.54	0.583	0.38	< 0.02	0.05	0.15	0.02	0.13	83	2.3	5.46	0.8	4.15	1.5	0.5	2.3	0.4	2.5
88853	2.6	7.8	247	31.6	1.0	< 0.1	5.14	0.711	0.85	< 0.02	1.15	0.20	< 0.02	0.54	175	10.7	19.5	3.6	16.3	3.9	1.5	5.1	0.8	5.5
88854	7.9	13.4	224	46.4	2.1	< 0.1	10.1	1.28	1.47	0.05	0.36	0.61	0.13	0.66	60	14.6	26.0	5.2	23.8	5.6	2.0	6.6	1.0	7.0
88855	7.6	10.4	251	35.6	1.7	< 0.1	5.28	1.00	1.64	0.03	0.31	0.57	0.07	0.66	110	12.0	22.3	4.3	19.8	4.8	1.5	5.5	0.9	5.8
88856	6.3	11.6	186	28.6	1.4	< 0.1	3.91	1.68	0.70	0.03	0.33	0.44	0.09	0.64	90	9.5	18.5	3.5	16.6	4.5	1.2	5.4	0.9	5.3
88857	8.6	11.5	116	29.4	1.1	< 0.1	2.65	1.54	0.27	< 0.02	0.40	0.61	0.03	0.70	55	8.3	16.4	3.4	16.7	5.0	1.1	5.9	0.9	5.7
88858	5.4	6.9	56.6	9.80	2.9	< 0.1	3.35	1.08	1.09	0.02	0.45	0.34	0.03	0.28	81	5.3	8.73	1.6	6.90	1.8	0.4	2.1	0.3	1.8
88859	5.2	8.4	127	17.8	1.3	< 0.1	21.8	1.14	0.95	< 0.02	106	0.34	0.12	0.39	138	7.2	12.4	2.3	10.5	2.8	0.9	3.3	0.5	3.2
88860	4.6	9.4	174	22.6	1.1	< 0.1	4.42	0.938	0.83	0.03	0.62	0.27	< 0.02	0.41	156	7.5	14.2	2.6	12.1	3.3	1.1	4.1	0.6	4.1
88861	0.7	9.9	166	3.16	1.7	< 0.1	110	24.1	71.7	0.39	1.79	20.1	0.88	0.37	27	4.0	7.90	1.0	3.96	0.7	0.3	0.8	0.1	0.7
88862	5.6	7.7	82.6	15.3	2.2	< 0.1	0.89	0.937	0.10	< 0.02	0.20	0.32	< 0.02	0.24	70	3.1	7.71	1.3	6.80	2.6	0.8	3.5	0.6	3.7
88863	2.7	9.4	223	32.2	1.2	< 0.1	5.34	0.763	1.04	0.03	0.23	0.50	0.09	0.58	157	10.2	20.1	3.7	17.5	4.4	1.6	5.2	0.8	5.5
88864	2.6	8.8	215	33.2	1.3	< 0.1	4.34	0.626	0.67	< 0.02	0.20	0.37	0.10	0.52	155	10.4	20.2	3.8	17.9	4.6	1.8	5.5	0.9	5.6
88865	9.3	7.0	61.6	12.4	2.2	< 0.1	0.82	0.734	0.12	< 0.02	0.05	0.23	< 0.02	0.28	39	2.3	5.65	0.9	5.04	1.9	0.5	2.7	0.5	2.8
88866	5.4	12.7	288	56.5	2.3	< 0.1	10.1	0.892	2.83	0.05	0.24	0.44	0.12	0.88	110	18.7	32.5	6.3	28.9	7.0	2.6	8.7	1.4	9.2
88867	9.1	6.4	63.1	12.7	3.2	< 0.1	1.20	0.909	0.09	< 0.02	0.50	0.34	< 0.02	0.17	26	2.3	5.72	1.0	5.30	1.9	0.6	2.7	0.5	2.8
88868	6.3	6.8	126	22.5	1.7	< 0.1	4.23	0.821	1.50	< 0.02	0.19	0.38	0.05	0.47	66	5.5	10.2	2.1	10.6	2.9	0.8	3.6	0.6	3.9
88869	5.5	9.2	167	30.6	1.9	< 0.1	13.7	0.905	2.88	0.03	0.22	0.35	< 0.02	0.76	142	9.2	16.9	3.3	15.6	3.9	1.1	4.8	0.8	4.9
88870	4.4	11.4	259	51.8	1.8	< 0.1	16.5	0.780	4.05	0.03	0.20	0.38	< 0.02	0.97	242	17.3	29.0	5.7	25.6	6.1	2.1	7.4	1.2	7.7
88871	3.3	5.3	153	19.2	2.4	< 0.1	3.82	0.850	2.29	0.02	1.10	0.33	< 0.02	0.35	149	6.4	10.7	2.1	10.0	2.7	0.8	3.4	0.5	3.3
88872	4.5	3.8	29.3	6.84	6.6	< 0.1	3.25	0.645	2.15	0.03	0.11	0.40	< 0.02	0.25	86	4.3	6.62	1.3	6.02	1.7	0.3	2.0	0.3	1.5
88873	3.2	6.2	88.9	15.3	1.8	< 0.1	3.65	0.733	2.06	< 0.02	0.48	0.37	< 0.02	0.35	125	6.1	10.4	2.0	9.44	2.5	0.7	3.1	0.5	2.8
88874	1.7	2.8	260	8.37	3.0	< 0.1	0.61	0.455	0.22	< 0.02	< 0.05	0.25	< 0.02	0.16	91	2.2	4.63	0.7	3.40	1.3	0.6	1.9	0.3	2.1
88875	0.5	3.2	210	8.08	0.9	< 0.1	0.35	0.462	0.18	< 0.02	< 0.05	0.07	< 0.02	0.15	100	2.7	5.90	0.8	3.91	1.3	0.7	2.0	0.3	2.1
88876	1.5	3.2	236	10.4	4.2	< 0.1	2.43	0.374	0.22	< 0.02	< 0.05	0.10	< 0.02	0.19	110	2.9	6.50	1.0	5.05	1.7	0.8	2.6	0.4	2.7
88877	0.6	2.5	285	10.1	1.3	< 0.1	0.53	0.400	0.11	< 0.02	< 0.05	0.14	< 0.02	0.18	90	7.8	15.6	1.9	8.54	2.1	0.9	2.6	0.4	2.5

Analyte Symbol	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	1	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
88878	1.8	2.8	257	11.0	1.6	< 0.1	0.61	0.724	0.12	< 0.02	0.64	0.30	< 0.02	0.17	76	5.7	12.0	1.6	7.25	2.0	0.8	2.7	0.4	2.7
88879	3.9	5.7	115	16.5	2.3	< 0.1	4.69	1.05	1.18	0.02	0.32	0.22	< 0.02	0.28	100	5.4	9.89	1.9	8.94	2.2	0.6	2.7	0.4	2.8
88880	3.6	4.7	102	15.7	3.5	< 0.1	3.40	1.05	0.18	< 0.02	0.13	0.91	0.06	0.25	64	4.4	7.88	1.6	7.67	2.0	0.5	2.5	0.4	2.5
88881	1.6	9.5	283	13.9	2.8	< 0.1	2.52	0.530	0.25	< 0.02	0.09	0.17	0.03	0.48	55	3.8	7.10	1.0	4.88	1.4	0.4	2.1	0.4	2.6
88882	4.5	7.0	108	22.2	2.0	< 0.1	3.48	1.05	1.38	< 0.02	0.24	1.03	0.07	0.54	82	6.4	11.3	2.3	10.8	2.7	0.9	3.4	0.5	3.5
88883	8.9	8.7	146	24.8	2.9	< 0.1	46.1	1.38	2.49	< 0.02	0.17	3.79	0.24	0.57	41	8.8	17.3	2.9	13.1	3.0	1.3	3.5	0.6	3.7
88884	7.8	6.8	86.0	8.30	9.5	< 0.1	0.90	0.755	0.23	< 0.02	0.27	0.30	< 0.02	0.17	51	4.4	9.83	1.3	6.27	1.9	0.5	2.7	0.4	2.4
88885	2.8	7.9	147	18.9	2.7	< 0.1	6.01	0.701	0.94	< 0.02	0.25	0.27	< 0.02	0.83	134	6.6	12.8	2.1	9.85	2.7	0.9	3.4	0.6	3.5
88886	1.0	5.7	148	10.1	6.9	< 0.1	0.71	0.986	0.15	< 0.02	0.37	0.12	< 0.02	0.22	83	4.1	8.26	1.2	5.20	1.5	0.4	2.0	0.4	2.2
88887	6.8	6.9	128	11.4	10.7	< 0.1	3.86	0.996	0.49	< 0.02	0.17	0.68	0.04	0.32	52	3.3	6.60	1.1	5.63	1.8	0.6	2.4	0.4	2.4
88888	1.9	7.1	72.7	10.2	3.1	< 0.1	10.6	0.762	1.42	< 0.02	0.50	0.44	0.04	0.42	75	4.4	8.82	1.3	6.14	1.7	0.6	2.3	0.4	2.1
88889	0.9	3.6	240	12.5	3.3	< 0.1	1.27	0.685	0.15	< 0.02	0.34	0.27	< 0.02	0.21	94	7.4	15.0	1.9	8.31	2.2	0.9	3.1	0.6	3.4
88890	< 0.1	3.1	300	13.3	1.6	< 0.1	1.15	0.539	0.18	0.02	< 0.05	0.10	< 0.02	0.24	99	29.8	57.1	6.7	26.6	5.0	1.7	4.9	0.7	3.8
88891	0.1	2.5	326	10.4	5.2	< 0.1	1.00	0.379	0.13	0.03	< 0.05	0.13	< 0.02	0.21	153	17.3	34.2	4.2	17.6	3.7	1.3	3.8	0.5	2.9
88892	1.1	2.8	344	10.7	5.9	< 0.1	2.04	0.437	0.14	0.03	< 0.05	0.11	< 0.02	0.19	118	19.7	38.3	4.6	18.5	3.8	1.3	4.0	0.6	3.0
88893	1.9	4.8	141	17.0	0.9	< 0.1	13.8	0.428	1.96	< 0.02	0.12	0.33	< 0.02	0.24	111	14.6	25.5	3.5	15.2	3.3	1.4	3.9	0.6	3.3
88894	0.6	1.5	299	8.58	1.2	< 0.1	0.60	0.482	0.25	0.02	< 0.05	0.08	< 0.02	0.17	61	19.6	38.0	4.6	18.6	3.7	1.2	3.7	0.5	2.6
88895	< 0.1	2.3	514	9.67	0.5	< 0.1	0.63	0.340	0.31	< 0.02	< 0.05	0.09	< 0.02	0.12	108	17.3	32.2	3.8	15.2	3.1	1.2	3.3	0.5	2.7
88896	1.0	3.0	237	9.15	4.3	< 0.1	1.60	0.493	0.24	0.03	< 0.05	0.18	< 0.02	0.17	119	13.7	27.1	3.4	14.0	3.1	1.0	3.3	0.5	2.6
88897	0.4	1.5	304	9.87	2.9	< 0.1	1.64	0.380	0.28	0.03	< 0.05	0.19	< 0.02	0.17	57	13.8	27.3	3.4	14.4	3.3	1.1	3.6	0.5	2.9
88898	< 0.1	3.3	308	11.5	1.4	< 0.1	0.54	0.400	0.19	0.03	0.10	0.03	< 0.02	0.14	121	36.5	69.6	7.9	31.0	6.0	1.9	5.6	0.8	3.8
88899	< 0.1	5.6	76.8	4.67	6.1	< 0.1	0.68	0.384	0.04	< 0.02	0.11	0.11	< 0.02	0.29	166	37.8	77.3	9.0	34.4	6.0	1.3	4.6	0.5	2.0
88900	< 0.1	4.1	222	11.8	3.1	< 0.1	1.06	0.359	0.18	0.02	1.36	0.04	< 0.02	0.65	103	29.0	56.7	6.7	26.0	4.9	1.4	4.8	0.7	3.6
88901	0.4	11.8	358	14.1	2.4	< 0.1	0.82	0.324	0.20	< 0.02	0.06	< 0.02	< 0.02	0.31	64	17.2	31.1	4.0	15.8	3.1	0.7	3.1	0.5	2.9
88902	< 0.1	6.6	30.8	4.11	6.2	< 0.1	0.39	0.329	0.04	< 0.02	0.20	0.16	< 0.02	1.49	66	40.9	77.3	9.8	36.2	6.1	1.2	4.6	0.5	2.0
88903	< 0.1	4.6	74.6	4.55	4.9	< 0.1	1.01	0.318	0.11	< 0.02	0.14	0.08	< 0.02	2.19	413	28.0	50.8	6.5	24.3	4.3	0.9	3.4	0.4	1.9
88904	< 0.1	5.3	57.2	4.63	5.0	< 0.1	0.88	0.415	0.08	< 0.02	0.14	0.10	< 0.02	0.65	214	24.2	48.1	5.8	22.0	4.0	0.8	3.5	0.4	1.8
88905	< 0.1	5.7	30.0	3.36	6.8	< 0.1	0.62	0.515	0.02	< 0.02	0.46	0.17	< 0.02	1.28	102	26.3	53.5	6.3	23.9	4.2	0.7	3.1	0.4	1.5
88906	< 0.1	5.8	25.7	3.04	5.7	< 0.1	0.99	0.506	0.02	< 0.02	0.14	0.11	< 0.02	1.02	212	28.5	54.3	6.7	24.3	3.9	0.7	2.9	0.3	1.3
BBE001	< 0.1	6.4	3.7	2.83	< 0.1	0.3	1.39	0.325	0.10	< 0.02	0.28	0.39	< 0.02	0.89	44	18.5	37.9	4.4	16.6	2.9	0.5	2.0	0.2	0.9
BBE002	< 0.1	7.2	3.3	3.20	0.1	0.5	1.61	0.304	0.14	< 0.02	0.22	0.46	< 0.02	0.86	42	19.9	40.5	4.7	17.5	3.1	0.6	2.2	0.2	1.0
BBE003	< 0.1	7.0	4.2	7.13	0.5	0.3	1.43	0.295	0.19	0.02	0.19	0.39	< 0.02	1.22	52	19.3	44.6	4.7	18.0	3.3	0.7	2.8	0.4	2.0
BBE004	< 0.1	8.5	4.8	3.69	< 0.1	< 0.1	1.40	0.343	0.11	< 0.02	0.16	0.26	< 0.02	1.22	59	20.0	41.1	4.6	17.3	2.9	0.5	2.2	0.3	1.1
BBE005	0.1	7.4	5.4	5.06	< 0.1	0.3	1.42	0.697	0.19	0.03	0.42	0.28	< 0.02	1.08	81	12.3	26.1	2.9	11.2	2.1	0.4	1.7	0.2	1.3
BBE006	0.2	7.6	6.9	4.35	< 0.1	0.3	3.96	0.578	0.20	0.03	0.36	0.42	< 0.02	1.04	65	11.3	23.8	2.7	10.2	1.8	0.4	1.5	0.2	1.1
BBE007	0.3	4.7	4.4	7.41	0.7	< 0.1	1.90	0.387	0.14	0.03	0.09	0.70	< 0.02	0.95	44	18.9	55.9	4.7	18.7	3.5	0.8	2.9	0.4	1.9
BBE007A	0.2	0.5	4.6	17.5	0.5	< 0.1	1.28	0.349	0.28	0.03	< 0.05	0.17	< 0.02	0.12	78	3.4	8.55	1.2	6.39	2.4	1.0	3.3	0.5	3.4
BBE008	0.6	6.8	10.0	10.9	0.5	0.4	1.76	0.313	0.33	0.02	0.30	0.58	< 0.02	0.93	51	22.3	56.6	5.3	19.9	3.7	0.8	3.3	0.4	2.4
BBE009	0.2	7.0	8.1	8.74	0.5	0.6	1.60	0.726	0.39	0.02	0.34	0.70	0.05	0.97	67	22.0	66.3	5.1	19.0	3.4	0.7	2.9	0.4	2.2
BBE010	0.1	7.5	3.7	4.19	0.3	0.4	1.47	0.616	0.23	0.02	0.30	1.02	< 0.02	1.09	47	22.8	51.0	5.4	20.0	3.5	0.7	2.7	0.3	1.4
BBE011	0.2	7.6	4.8	4.59	< 0.1	0.2	1.44	0.530	0.30	< 0.02	0.30	0.82	< 0.02	1.15	61	20.1	43.9	4.6	16.7	2.9	0.6	2.3	0.3	1.4
BBE012	0.1	6.0	5.4	5.58	< 0.1	0.3	1.48	0.498	0.35	0.03	0.47	0.51	< 0.02	1.13	63	14.7	31.0	3.3	12.3	2.3	0.5	2.0	0.3	1.5
BBE013	0.4	3.1	3.5	9.27	0.7	< 0.1	2.61	0.438	0.49	< 0.02	< 0.05	0.48	< 0.02	0.80	46	11.2	29.4	2.9	11.4	2.4	0.8	2.6	0.4	2.3
BBE013A	0.8	1.1	4.2	20.7	1.7	< 0.1	2.90	0.410	1.71	0.04	< 0.05	0.62	< 0.02	0.31	87	13.5	47.1	3.8	16.2	4.1	2.0	5.1	0.8	4.7
BBE014	0.2	5.6	9.9	12.2	0.4	< 0.1	1.65	0.338	0.81	0.02	0.12	0.42	< 0.02	1.10	47	16.1	40.5	4.0	15.5	3.2	0.9	3.1	0.5	2.8
BBE015	< 0.1	7.0	7.2	8.35	0.8	< 0.1	1.27	0.382	0.31	< 0.02	< 0.05	3.91	< 0.02	1.66	35	19.0	44.8	4.5	16.8	3.0	0.7	2.8	0.4	1.9
BBE016	< 0.1	12.2	11.6	8.21	0.5	0.2	1.62	0.384	0.32	0.02	0.19	2.06	< 0.02	1.17	67	22.1	49.8	5.0	19.1	3.4	0.7	2.9	0.4	1.9
BBE017	< 0.1	15.1	8.6	8.13	0.4	0.7	1.44	0.395	0.20	0.02	0.25	0.87	< 0.02	2.06	52	21.8	50.4	5.0	18.9	3.5	0.7	2.9	0.4	2.0
BBE018	< 0.1	8.3	4.7	4.27	0.7	< 0.1	1.19	0.574	0.13	< 0.02	0.29	0.47	< 0.02	0.63	33	27.0	61.6	6.2	22.3	3.8	0.7	3.0	0.3	1.4
BBE019	0.2	8.5	7.6	6.59	0.4	< 0.1	0.90	0.261	0.23	< 0.02	< 0.05	0.37	< 0.02	1.10	36	12.9	28.9	3.0	11.3	2.0	0.5	1.8	0.3	1.4
BBE020	0.3	4.6	6.3	14.8	1.1	< 0.1	3.81	0.458	0.35	0.04	< 0.05	0.78	< 0.02	0.97	48	23.0	118	5.5	20.6	3.8	0.8	3.6	0.5	3.3
BBE021	< 0.1	5.2	6.6	10.2	0.6	< 0.1	0.74	0.342	0.24	< 0.02	< 0.05	0.36	< 0.02	0.77	34	31.7	85.4	7.8	29.9	5.3	1.0	4.5	0.6	3.0

Analyte Symbol	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	1	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
BBE022	< 0.1	14.4	8.6	8.72	0.2	0.2	1.57	0.406	0.35	< 0.02	0.25	0.66	< 0.02	2.01	57	27.7	64.8	6.4	23.4	4.0	0.8	3.5	0.5	2.4
BBE023	0.3	9.1	8.1	11.8	0.7	< 0.1	1.15	0.440	0.39	< 0.02	0.06	0.62	< 0.02	2.13	43	34.1	71.0	7.8	28.7	5.0	1.1	4.3	0.6	3.1
BBE024	< 0.1	12.1	9.9	4.59	0.3	< 0.1	0.89	0.502	0.27	< 0.02	0.16	0.45	< 0.02	4.00	42	40.1	81.1	9.2	33.2	5.5	0.9	4.0	0.4	1.7
BBE025	< 0.1	4.0	10.0	13.1	1.0	< 0.1	0.69	0.346	0.46	< 0.02	0.05	0.56	< 0.02	2.38	55	33.5	60.9	7.7	28.5	4.8	1.0	4.0	0.5	2.8
BBE026	0.3	10.0	14.0	6.74	0.2	0.9	0.95	0.743	0.25	< 0.02	0.24	0.60	< 0.02	3.58	96	19.0	58.8	4.5	17.3	3.1	0.7	2.7	0.4	1.9
BBE027	< 0.1	13.0	13.6	7.54	< 0.1	0.5	1.04	0.485	0.23	0.02	0.27	2.98	0.02	4.30	89	20.4	44.1	4.7	17.3	3.1	0.7	2.7	0.3	1.9
BBE028	0.1	34.7	14.4	14.1	0.2	1.0	1.20	0.605	0.23	0.04	0.50	3.21	0.02	6.12	113	28.2	141	6.5	24.2	4.5	0.9	4.5	0.6	3.4
BBE029	0.4	14.2	12.5	19.4	0.2	0.2	0.79	0.537	0.10	0.03	0.22	0.40	< 0.02	2.31	86	49.5	310	12.4	46.3	8.2	1.6	7.6	1.0	5.3
BBE030	< 0.1	15.6	14.7	9.01	< 0.1	0.4	0.62	0.471	0.26	< 0.02	0.24	0.27	< 0.02	1.28	77	26.2	71.9	6.1	23.0	3.9	0.8	3.2	0.4	2.2
BBE031	< 0.1	11.1	11.8	9.30	< 0.1	< 0.1	0.62	0.379	0.08	< 0.02	< 0.05	0.09	< 0.02	1.19	42	33.1	88.6	7.8	29.2	5.0	1.0	4.1	0.5	2.5
BBE032	< 0.1	18.1	12.1	4.74	< 0.1	0.9	0.95	0.460	0.24	< 0.02	0.37	0.25	< 0.02	1.19	59	20.3	62.2	4.6	17.0	2.9	0.6	2.5	0.3	1.4
BBE033	< 0.1	6.2	19.8	6.44	< 0.1	0.3	0.85	0.352	0.16	0.02	0.47	0.25	< 0.02	0.80	53	21.3	37.4	4.8	18.0	3.1	0.7	2.6	0.3	1.7
BBE034	< 0.1	11.8	20.9	5.84	< 0.1	0.2	0.86	0.474	0.15	< 0.02	0.44	0.28	< 0.02	1.09	66	24.3	43.7	5.4	19.9	3.3	0.6	2.6	0.3	1.6
BBE035	< 0.1	12.5	6.0	3.90	< 0.1	0.2	0.65	0.447	0.10	< 0.02	0.58	0.30	< 0.02	1.14	48	23.5	51.5	5.4	19.9	3.4	0.7	2.7	0.3	1.4
BBE036	< 0.1	3.5	5.2	2.84	< 0.1	0.2	1.87	0.366	0.06	< 0.02	0.08	0.40	< 0.02	0.40	16	28.5	55.7	6.3	22.9	3.7	0.7	2.8	0.3	1.2
BBE037	< 0.1	10.2	27.5	15.3	< 0.1	0.2	0.91	0.384	0.51	0.02	0.33	0.21	< 0.02	1.07	108	38.3	41.0	7.6	28.1	4.6	1.0	4.3	0.6	3.1
BBE038	< 0.1	7.3	15.0	7.66	0.2	< 0.1	0.81	1.21	0.33	0.03	3.94	0.71	< 0.02	1.18	46	26.2	64.9	5.9	21.6	3.7	0.8	3.1	0.4	2.1
BBE039 (missing)																								

Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Cu	Pb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	%
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1	10	0.005	0.01	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2
17751	0.1	0.3	< 0.1	0.3	< 0.1	0.3	< 0.05	7.9	0.011	< 5	0.03	426	2.8	5.2	10			
17752	< 0.1	0.3	< 0.1	0.3	< 0.1	0.4	< 0.05	0.4	0.009	< 5	0.18	1300	1.7	4.0	180			
17753	0.1	0.3	< 0.1	0.3	< 0.1	0.5	< 0.05	0.2	< 0.001	10	0.05	604	4.6	1.3	70			
17754	0.1	0.3	< 0.1	0.3	< 0.1	0.4	< 0.05	< 0.1	< 0.001	18	0.14	185	7.4	1.4	< 10			
17755	< 0.1	0.2	< 0.1	0.2	< 0.1	0.3	< 0.05	< 0.1	< 0.001	313	0.27	87.5	3.2	0.3	130			
17756	0.1	0.3	< 0.1	0.3	< 0.1	0.5	< 0.05	< 0.1	< 0.001	11	0.10	166	4.6	1.3	10			
17757	< 0.1	0.2	< 0.1	0.2	< 0.1	0.3	< 0.05	< 0.1	0.006	< 5	0.02	154	2.4	2.2	< 10			
17758	< 0.1	0.2	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	0.002	< 5	0.02	475	3.2	1.4	50			
17759	< 0.1	0.2	< 0.1	0.3	< 0.1	0.3	< 0.05	0.1	0.003	< 5	0.02	292	2.0	3.2	30			
17760	< 0.1	0.2	< 0.1	0.3	< 0.1	0.4	< 0.05	< 0.1	0.003	< 5	0.04	780	2.5	1.8	50			
17761	< 0.1	0.2	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	0.002	< 5	0.03	303	2.5	1.7	20			
17762	< 0.1	0.2	< 0.1	0.2	< 0.1	0.4	< 0.05	< 0.1	0.001	< 5	< 0.02	943	3.1	1.0	40			
17763	0.1	0.3	< 0.1	0.2	< 0.1	0.3	< 0.05	< 0.1	0.002	10	< 0.02	429	2.3	1.1	340			
17764	< 0.1	0.2	< 0.1	0.2	< 0.1	0.3	< 0.05	< 0.1	0.001	11	< 0.02	424	2.6	0.8	40			
17765	< 0.1	0.3	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	0.03	407	4.5	0.7	30			
17766	0.1	0.3	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	< 0.02	180	4.3	0.7	10			
17767	< 0.1	0.3	< 0.1	0.3	< 0.1	0.5	< 0.05	< 0.1	< 0.001	7	0.08	317	4.4	1.8	20			
17768	< 0.1	0.2	< 0.1	0.2	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	0.08	7.21	7.6	1.4	< 10			
17769	0.1	0.3	< 0.1	0.4	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.10	10.0	10.1	2.2	10			
17770	0.1	0.3	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.098	2070	0.14	> 5000	0.6	0.5	90		1.11	1.39
17771	0.1	0.3	< 0.1	0.3	< 0.1	0.4	< 0.05	< 0.1	0.001	5	0.05	138	5.8	1.4	30			
17772	0.2	0.7	< 0.1	0.6	< 0.1	0.4	< 0.05	< 0.1	0.001	24	0.06	616	3.4	4.2	40			
17773	< 0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	0.001	< 5	0.07	31.4	6.9	0.8	< 10			
17774	< 0.1	0.3	< 0.1	0.3	< 0.1	0.3	< 0.05	0.4	< 0.001	13	0.05	20.3	3.9	1.1	< 10			
17775	< 0.1	0.2	< 0.1	0.4	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.08	4.53	6.8	1.7	< 10			
17776	< 0.1	0.2	< 0.1	0.2	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.09	3.16	7.5	1.3	< 10			
17777	< 0.1	0.2	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.09	5.77	8.3	1.4	< 10			
17778	< 0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	0.001	< 5	0.06	10.3	6.5	1.6	< 10			
17779	0.2	0.5	< 0.1	0.5	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	0.07	16.3	5.6	1.4	20			
17780	0.2	0.6	< 0.1	0.5	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.08	60.7	8.2	1.6	< 10			
17781	0.2	0.4	< 0.1	0.5	< 0.1	0.3	< 0.05	0.6	< 0.001	9	0.08	15.1	8.0	1.7	< 10			
17782	0.2	0.5	< 0.1	0.4	< 0.1	0.2	< 0.05	5.2	< 0.001	35	0.13	89.9	7.8	1.5	< 10			
17783	< 0.1	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	6	< 0.02	60.0	1.3	0.1	< 10			
17784	0.2	0.5	< 0.1	0.5	< 0.1	0.3	< 0.05	< 0.1	< 0.001	46	0.07	88.6	7.2	2.1	< 10			
17785	0.2	0.4	< 0.1	0.5	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.11	309	7.8	0.8	10			
17786	0.2	0.5	< 0.1	0.4	< 0.1	0.2	< 0.05	0.4	< 0.001	< 5	0.09	17.7	8.2	1.3	< 10			
17787	0.2	0.6	< 0.1	0.5	< 0.1	0.2	< 0.05	0.7	< 0.001	< 5	0.08	30.8	8.7	7.8	< 10			
17788	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	0.3	< 0.001	< 5	0.13	14.4	8.6	2.4	110			
17789	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.15	37.3	6.6	0.9	< 10			
17790	0.1	0.4	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	0.001	< 5	0.20	44.3	5.0	1.0	< 10			
17791	0.1	0.3	< 0.1	0.4	< 0.1	< 0.1	< 0.05	0.3	0.064	1300	3.27	> 5000	0.8	0.9	2690		1.99	1.11
17792	0.1	0.3	< 0.1	0.3	< 0.1	0.4	< 0.05	< 0.1	< 0.001	< 5	0.27	61.5	5.4	1.4	20			
17793	0.1	0.3	< 0.1	0.3	< 0.1	0.4	< 0.05	< 0.1	0.001	< 5	0.19	83.5	5.8	1.7	30			
17794	< 0.1	0.3	< 0.1	0.3	< 0.1	0.5	< 0.05	< 0.1	0.001	< 5	0.13	120	3.7	1.5	40			
17795	0.1	0.2	< 0.1	0.2	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	0.12	27.1	6.5	1.3	10			
17796	0.1	0.3	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	0.001	< 5	0.19	23.5	7.9	1.5	< 10			
17797	0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.11	18.0	9.3	0.8	10			
17798	0.1	0.2	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.14	9.25	8.4	0.7	80			
17799	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.16	9.77	6.7	1.4	60			
17800	0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.03	27.7	6.2	1.2	< 10			
17801	0.1	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.001	< 5	0.11	24.8	9.0	1.5	< 10			

Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Cu	Pb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	%
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1	10	0.005	0.01	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2
17802	0.1	0.3	< 0.1	0.2	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.20	7.60	10.6	1.0	< 10			
17803	< 0.1	0.2	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.14	32.4	7.7	0.9	< 10			
17804	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.22	3.56	9.6	1.4	< 10			
17805	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.17	9.49	7.5	1.2	< 10			
17806	0.2	0.4	< 0.1	0.4	< 0.1	0.2	< 0.05	< 0.1	0.003	< 5	0.60	44.3	8.7	2.3	10			
17807	0.1	0.4	< 0.1	0.4	< 0.1	0.4	< 0.05	1.0	0.008	177	0.31	3680	1.9	1.9	750			
17808	0.1	0.4	< 0.1	0.3	< 0.1	0.6	< 0.05	1.4	0.004	< 5	2.97	> 5000	2.2	2.9	1920		0.55	
17809	0.2	0.5	< 0.1	0.5	< 0.1	< 0.1	< 0.05	2.3	0.018	< 5	5.84	> 5000	1.9	6.2	3280		0.73	1.32
17810	0.1	0.3	< 0.1	0.3	< 0.1	0.4	< 0.05	1.8	0.016	< 5	4.81	> 5000	1.7	3.7	3450		0.87	1.48
17811	0.1	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	1.0	0.043	26	5.66	> 5000	0.8	1.4	1640		2.64	1.66
17812	0.2	0.5	< 0.1	0.4	< 0.1	0.1	< 0.05	4.3	0.015	< 5	15.8	2530	2.6	6.8	4680			
17813	0.2	0.5	< 0.1	0.4	< 0.1	0.3	< 0.05	0.1	0.001	< 5	1.00	538	8.3	2.8	140			
17814	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	6.9	< 0.001	< 5	0.46	114	6.2	12.9	50			
17815	0.1	0.3	< 0.1	0.3	< 0.1	0.6	< 0.05	0.9	0.005	12	2.48	2070	4.2	2.4	660			
17816	< 0.1	0.1	< 0.1	0.1	< 0.1	0.3	< 0.05	3.0	0.002	< 5	19.0	2170	1.9	1.2	9400	1.41		
17817	0.1	0.3	< 0.1	0.3	< 0.1	0.5	< 0.05	0.5	0.005	< 5	2.28	4130	4.7	2.3	1280			
17818	0.2	0.4	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.002	< 5	0.66	317	6.5	2.6	560			
17819	0.2	0.4	< 0.1	0.4	< 0.1	0.4	< 0.05	< 0.1	0.002	< 5	0.52	156	6.6	2.2	110			
17820	0.2	0.4	< 0.1	0.3	< 0.1	0.4	< 0.05	< 0.1	< 0.001	< 5	0.43	242	6.9	2.2	130			
17821	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.17	13.6	9.0	1.4	50			
17822	0.1	0.3	< 0.1	0.3	< 0.1	0.4	< 0.05	< 0.1	< 0.001	< 5	0.20	84.3	6.5	2.1	80			
17823	0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	< 0.001	5	0.10	50.6	8.6	0.9	40			
17824	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.14	76.2	8.6	1.4	50			
17825	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	0.001	< 5	0.13	68.5	7.9	3.8	40			
19026	0.2	0.5	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	0.07	36.9	8.5	1.2	20			
19027	0.1	0.4	< 0.1	0.4	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.06	26.8	8.5	2.2	20			
19028	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	17.7	2.4	0.3	50			
19029	0.1	0.2	< 0.1	0.2	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	21.2	7.5	0.6	20			
19030	0.1	0.3	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	13.8	6.4	0.8	< 10			
19031	0.3	0.9	0.1	0.7	0.1	0.2	< 0.05	14.1	0.037	1300	0.05	12.4	1.5	2.6	10			
19032	0.1	0.3	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	14.1	6.0	1.0	< 10			
19033	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.04	31.0	7.3	1.1	10			
19034	0.1	0.3	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	14.0	4.5	0.9	< 10			
19035	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	0.001	< 5	0.03	23.3	5.5	0.7	10			
19036	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.02	18.1	5.9	0.9	10			
19037	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	0.001	< 5	0.03	55.3	6.7	1.2	10			
19038	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.03	4.94	8.5	1.2	10			
19039	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.03	7.44	6.7	1.2	10			
19040	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.04	3.77	8.1	0.9	10			
19041	0.1	0.3	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	0.04	16.4	8.3	1.1	< 10			
19042	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	0.04	45.2	6.7	1.6	20			
19043	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	16.3	7.3	3.6	< 10			
19044	0.2	0.4	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	20.8	7.1	2.4	30			
19045	0.1	0.4	< 0.1	0.4	< 0.1	0.3	< 0.05	< 0.1	0.002	< 5	0.04	25.0	6.6	1.3	< 10			
19046	0.3	0.6	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	16.6	1.6	1.3	< 10			
19047	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.02	17.1	6.8	1.1	< 10			
19048	0.1	0.3	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	0.001	< 5	0.02	13.9	6.2	1.7	< 10			
19049	0.3	0.6	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	10.8	1.1	0.4	< 10			
19050	0.1	0.3	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	9.12	7.6	1.3	< 10			
87650	0.2	0.4	< 0.1	0.4	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	10.9	7.9	1.2	< 10			
87651	0.2	0.4	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	0.06	4.15	7.0	1.1	< 10			

Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Cu	Pb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	%
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1	10	0.005	0.01	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2
87652	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	< 0.02	4.62	9.4	1.2	< 10			
87653	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	7.54	1.9	0.4	< 10			
87654	0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	4.23	9.1	0.9	< 10			
87655	0.1	0.3	< 0.1	0.2	< 0.1	0.1	< 0.05	< 0.1	0.001	< 5	0.02	4.36	11.1	1.3	< 10			
87656	< 0.1	0.2	< 0.1	0.2	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	4.97	9.9	0.7	< 10			
87657	0.2	0.4	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	7.23	4.1	0.7	< 10			
87658	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	5.95	1.1	0.6	< 10			
87659	0.1	0.3	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	3.14	9.2	1.2	< 10			
87660	0.1	0.3	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	10.2	7.8	1.6	< 10			
87661	0.2	0.4	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	8.45	8.9	2.7	< 10			
87662	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	0.001	< 5	0.04	31.0	6.2	1.8	< 10			
87663	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.03	13.5	7.7	1.3	< 10			
87664	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	0.02	20.9	4.6	0.7	< 10			
87665	0.1	0.4	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	3.12	0.6	0.3	< 10			
87666	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	7.61	0.7	0.5	< 10			
87667	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	14.4	6.5	1.0	< 10			
87668	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	0.001	< 5	< 0.02	8.20	4.9	0.8	< 10			
87669	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	29.2	2.6	1.0	< 10			
87670	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	2930	2.8	0.6	< 10			
87671	0.4	1.2	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.019	< 5	< 0.02	11.8	4.9	2.6	< 10			
87672	0.1	0.3	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	10.4	5.9	2.0	< 10			
87673	0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.05	9.32	6.0	0.7	10			
87674	< 0.1	0.2	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.02	5.74	5.5	0.6	< 10			
87675	0.1	0.3	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	0.04	33.7	6.4	1.4	20			
87676	0.1	0.3	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	0.03	33.4	5.3	1.3	< 10			
87677	0.2	0.4	< 0.1	0.4	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	0.04	18.5	8.5	2.0	< 10			
87678	0.1	0.4	< 0.1	0.4	< 0.1	0.3	< 0.05	< 0.1	0.002	< 5	0.03	22.5	6.0	1.5	10			
87679	0.1	0.3	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	17.7	5.4	0.9	10			
87680	0.2	0.4	< 0.1	0.4	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.02	13.8	5.7	1.2	< 10			
88801	0.3	0.9	0.1	0.7	< 0.1	0.2	< 0.05	14.6	0.041	988	0.03	13.5	1.4	2.6	20			
88802	< 0.1	0.2	< 0.1	0.1	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	< 0.02	5.23	2.7	1.2	< 10			
88803	< 0.1	0.3	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	5.39	2.6	0.6	10			
88804	< 0.1	0.1	< 0.1	0.1	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	< 0.02	5.11	2.0	0.3	10			
88805	< 0.1	0.2	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	< 0.02	5.36	2.0	0.4	< 10			
88806	0.1	0.3	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	7.12	2.5	0.7	< 10			
88807	< 0.1	0.2	< 0.1	0.1	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	< 0.02	3.54	2.5	0.3	< 10			
88808	< 0.1	0.1	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	< 0.02	4.09	2.2	0.2	< 10			
88809	< 0.1	0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	< 0.02	21.7	2.1	0.3	20			
88810	< 0.1	0.1	< 0.1	0.1	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	< 0.02	11.2	2.4	0.3	< 10			
88811	< 0.1	0.2	< 0.1	0.2	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	< 0.02	4.60	1.6	0.4	< 10			
88812	< 0.1	0.2	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	< 0.02	7.13	1.8	0.4	10			
88813	< 0.1	0.2	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	< 0.02	7.92	1.6	0.4	< 10			
88814	< 0.1	0.3	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	0.002	< 5	< 0.02	9.20	1.6	0.7	10			
88815	< 0.1	0.2	< 0.1	0.2	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	< 0.02	6.15	1.4	0.3	10			
88816	< 0.1	0.2	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	0.002	< 5	< 0.02	8.38	1.6	0.5	20			
88817	< 0.1	0.2	< 0.1	0.2	< 0.1	0.3	< 0.05	< 0.1	0.001	< 5	< 0.02	31.0	1.5	0.5	10			
88818	0.3	0.9	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	0.003	< 5	< 0.02	61.7	2.3	1.8	< 10			
88819	0.3	0.8	< 0.1	0.5	< 0.1	< 0.1	< 0.05	0.4	0.004	< 5	< 0.02	39.6	0.6	0.4	< 10			
88820	0.4	1.1	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	20.6	0.6	0.5	20			
88821	0.1	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	1.1	0.044	31	5.03	> 5000	0.7	1.3	1760		2.54	1.61
88822	0.3	0.9	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	6.62	0.4	0.4	< 10			

Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Cu	Pb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	%
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1	10	0.005	0.01	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2
88823	0.3	0.8	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.002	< 5	0.03	7.18	0.4	0.3	30			
88824	0.3	0.8	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	0.03	5.82	0.4	0.2	10			
88825	0.3	0.7	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	17.8	0.4	0.3	< 10			
88826	0.3	0.8	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	147	0.3	0.5	< 10			
88827	0.3	0.8	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.002	< 5	< 0.02	4.57	0.3	0.3	10			
88828	0.3	0.8	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	4.86	0.3	0.1	< 10			
88829	0.3	0.7	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	3.94	0.3	< 0.1	< 10			
88830	0.2	0.5	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	3.68	0.3	< 0.1	< 10			
88831	0.3	0.7	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	3.86	0.3	< 0.1	< 10			
88832	0.3	0.8	< 0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	3.67	0.3	< 0.1	< 10			
88833	0.3	0.8	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	26.3	0.4	0.1	< 10			
88834	0.4	1.1	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	8.91	0.3	0.3	< 10			
88835	0.3	0.7	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	1700	0.3	0.3	20			
88836	0.3	0.8	< 0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	0.001	5	< 0.02	> 5000	0.2	0.1	10		1.35	
88837	0.3	0.7	< 0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	0.001	7	< 0.02	112	0.3	0.2	< 10			
88838	0.4	1.0	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	266	0.2	0.3	< 10			
88839	0.3	0.9	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	11.0	0.4	1.1	20			
88840	0.3	0.7	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	299	0.3	0.2	< 10			
88841	0.1	0.4	< 0.1	0.4	< 0.1	< 0.1	< 0.05	0.3	0.063	826	3.61	> 5000	0.8	1.0	2710		2.00	1.11
88842	0.3	0.8	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	6.31	0.5	0.2	< 10			
88843	0.3	0.8	< 0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	5.87	0.5	0.3	20			
88844	0.4	1.1	0.1	0.7	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	2.81	0.5	0.5	10			
88845	0.4	1.0	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	3.31	0.5	0.6	10			
88846	0.4	0.9	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	4.87	0.6	0.4	10			
88847	0.7	1.7	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.009	< 5	< 0.02	84.0	1.8	2.1	< 10			
88848	0.3	0.8	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	0.006	< 5	< 0.02	11.3	2.4	1.6	< 10			
88849	0.7	1.8	0.2	1.5	0.2	< 0.1	< 0.05	< 0.1	0.014	< 5	< 0.02	142	4.5	3.7	< 10			
88850	0.3	0.8	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	0.011	< 5	< 0.02	28.8	2.7	2.0	10			
88851	0.5	1.4	0.2	1.0	0.2	< 0.1	< 0.05	< 0.1	0.012	< 5	< 0.02	39.1	3.0	3.0	10			
88852	0.5	1.2	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	0.005	< 5	< 0.02	18.8	0.4	0.8	20			
88853	1.2	3.5	0.5	2.5	0.4	< 0.1	< 0.05	< 0.1	0.011	< 5	< 0.02	29.8	5.7	6.1	< 10			
88854	1.5	4.3	0.6	3.4	0.5	< 0.1	< 0.05	< 0.1	0.051	< 5	< 0.02	65.1	5.7	13.8	< 10			
88855	1.2	3.6	0.5	2.9	0.4	< 0.1	< 0.05	< 0.1	0.036	< 5	< 0.02	25.4	6.5	9.1	< 10			
88856	1.1	3.0	0.4	2.3	0.4	< 0.1	< 0.05	< 0.1	0.037	< 5	0.03	17.8	7.2	8.4	10			
88857	1.1	2.9	0.4	2.1	0.3	< 0.1	< 0.05	< 0.1	0.030	< 5	0.05	9.60	7.5	7.1	< 10			
88858	0.4	1.0	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	0.015	< 5	< 0.02	24.9	3.3	4.4	< 10			
88859	0.6	1.8	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.025	< 5	< 0.02	102	4.9	6.5	< 10			
88860	0.8	2.2	0.3	1.7	0.3	< 0.1	< 0.05	< 0.1	0.025	< 5	< 0.02	12.3	4.9	6.0	< 10			
88861	0.1	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.099	2460	0.11	> 5000	0.6	0.5	110		1.12	1.41
88862	0.7	1.8	0.2	1.5	0.2	< 0.1	< 0.05	< 0.1	0.001	< 5	0.03	5.36	1.5	10.7	< 10			
88863	1.1	3.2	0.4	2.5	0.4	< 0.1	< 0.05	< 0.1	0.033	< 5	< 0.02	5.29	5.7	6.9	20			
88864	1.2	3.3	0.4	2.6	0.4	< 0.1	< 0.05	< 0.1	0.025	< 5	< 0.02	4.68	5.2	7.4	20			
88865	0.5	1.5	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.002	< 5	0.02	7.63	1.5	15.1	< 10			
88866	1.9	5.5	0.7	4.1	0.6	< 0.1	< 0.05	< 0.1	0.055	< 5	< 0.02	6.77	7.3	17.8	< 10			
88867	0.5	1.5	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.002	< 5	0.02	7.07	1.3	15.5	< 10			
88868	0.8	2.3	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	0.027	< 5	< 0.02	4.78	5.1	6.6	10			
88869	1.0	3.0	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.057	< 5	< 0.02	5.41	6.4	11.6	< 10			
88870	1.6	4.7	0.6	3.6	0.5	< 0.1	< 0.05	< 0.1	0.065	< 5	< 0.02	18.5	6.5	17.2	10			
88871	0.7	2.0	0.3	1.6	0.3	< 0.1	< 0.05	< 0.1	0.022	< 5	< 0.02	15.5	3.7	5.3	< 10			
88872	0.3	0.7	< 0.1	0.6	0.1	0.1	< 0.05	< 0.1	0.019	< 5	< 0.02	8.40	2.7	2.9	< 10			
88873	0.5	1.5	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.020	< 5	< 0.02	5.65	3.4	4.8	10			

Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Cu	Pb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	%
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1	10	0.005	0.01	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2
88874	0.4	1.0	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	0.002	9	< 0.02	4.50	0.4	3.3	< 10			
88875	0.4	1.0	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	0.001	142	< 0.02	2.50	0.5	0.8	< 10			
88876	0.5	1.2	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	0.004	< 5	< 0.02	2.64	0.8	2.0	< 10			
88877	0.5	1.1	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	3.39	0.9	1.5	< 10			
88878	0.5	1.3	0.2	0.9	0.1	< 0.1	< 0.05	< 0.1	0.002	< 5	< 0.02	3.39	0.9	0.7	< 10			
88879	0.6	1.6	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.023	< 5	< 0.02	8.79	2.7	3.5	< 10			
88880	0.5	1.5	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.014	< 5	< 0.02	10.4	2.4	2.5	10			
88881	0.5	1.5	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.003	< 5	< 0.02	6.40	5.9	0.9	< 10			
88882	0.7	2.2	0.3	1.6	0.2	< 0.1	< 0.05	< 0.1	0.031	< 5	< 0.02	10.1	2.8	4.6	20			
88883	0.8	2.4	0.3	1.8	0.3	< 0.1	< 0.05	0.2	0.041	< 5	0.03	44.8	3.9	7.3	< 10			
88884	0.4	0.9	0.1	0.6	< 0.1	0.2	< 0.05	< 0.1	0.001	< 5	0.08	6.19	1.0	2.2	30			
88885	0.7	1.9	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.020	< 5	0.03	5.45	4.1	5.2	< 10			
88886	0.4	1.1	0.1	0.9	0.1	0.2	< 0.05	< 0.1	0.002	< 5	0.02	6.99	4.1	0.9	< 10			
88887	0.4	1.2	0.2	1.0	0.2	0.2	< 0.05	< 0.1	0.011	< 5	0.03	14.9	3.8	3.4	20			
88888	0.4	1.0	0.1	0.7	< 0.1	< 0.1	< 0.05	< 0.1	0.029	< 5	0.03	5.98	1.9	4.2	10			
88889	0.6	1.4	0.2	0.8	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	0.02	2.76	1.3	1.9	< 10			
88890	0.6	1.5	0.2	0.8	0.1	< 0.1	< 0.05	< 0.1	< 0.001	8	< 0.02	3.28	3.8	0.3	< 10			
88891	0.5	1.2	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	3.62	2.0	1.0	< 10			
88892	0.5	1.2	0.1	0.8	0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	4.36	2.6	1.4	10			
88893	0.6	1.6	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.032	< 5	< 0.02	3.49	3.6	8.4	< 10			
88894	0.4	1.0	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	3.51	2.3	0.5	< 10			
88895	0.4	1.1	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	4.70	1.6	< 0.1	< 10			
88896	0.4	1.0	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	0.002	< 5	< 0.02	4.70	2.4	0.6	< 10			
88897	0.5	1.1	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	0.002	< 5	< 0.02	16.0	2.3	0.6	< 10			
88898	0.6	1.3	0.1	0.7	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	8.90	4.3	0.2	< 10			
88899	0.3	0.5	< 0.1	0.4	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	6.99	11.8	1.0	< 10			
88900	0.6	1.3	0.1	0.7	< 0.1	< 0.1	< 0.05	< 0.1	0.002	< 5	< 0.02	14.8	4.8	0.4	< 10			
88901	0.6	1.5	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	6.24	6.9	0.7	< 10			
88902	0.2	0.5	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	11.4	14.0	1.1	< 10			
88903	0.2	0.5	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	21.7	8.7	2.5	< 10			
88904	0.2	0.5	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	9.65	7.4	0.9	< 10			
88905	0.2	0.4	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	12.5	9.0	1.0	< 10			
88906	0.2	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	23.8	9.6	1.2	< 10			
BBE001	0.1	0.3	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	10.1	0.9	0.5	20			
BBE002	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	23	0.03	13.0	3.8	0.7	30			
BBE003	0.3	0.9	0.1	0.9	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	15.3	3.5	0.9	40			
BBE004	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	13.0	1.1	0.6	20			
BBE005	0.2	0.6	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	18.7	0.7	0.7	40			
BBE006	0.2	0.5	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	21.8	0.8	0.6	30			
BBE007	0.3	0.9	0.1	0.9	0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	0.03	20.8	4.8	0.7	30			
BBE007A	0.7	2.1	0.3	1.8	0.3	< 0.1	< 0.05	< 0.1	< 0.001	7	< 0.02	3.63	0.6	< 0.1	50			
BBE008	0.4	1.2	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	26.2	2.0	1.4	50			
BBE009	0.4	1.1	0.2	0.9	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.07	23.7	2.9	1.2	40			
BBE010	0.2	0.5	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	19.3	4.5	0.9	30			
BBE011	0.2	0.5	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	16.8	0.6	0.9	30			
BBE012	0.3	0.7	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	18.3	0.7	1.0	40			
BBE013	0.4	1.2	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	14.9	2.1	0.9	50			
BBE013A	0.9	2.6	0.4	2.3	0.4	< 0.1	< 0.05	< 0.1	< 0.001	6	0.05	26.1	3.0	1.1	100			
BBE014	0.5	1.5	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	53.6	2.0	0.9	60			
BBE015	0.3	0.9	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	19.4	2.6	1.5	20			
BBE016	0.3	0.9	0.1	0.7	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	24.5	2.7	1.5	40			

Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Cu	Pb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	%
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1	10	0.005	0.01	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2
BBE017	0.4	1.0	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	0.04	27.4	5.4	1.0	40			
BBE018	0.2	0.5	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	17.1	6.5	0.9	20			
BBE019	0.3	0.7	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	22.2	1.5	1.2	40			
BBE020	0.7	2.0	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.09	44.4	6.9	2.7	20			
BBE021	0.5	1.3	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	35.2	10.8	2.1	30			
BBE022	0.4	1.1	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	141	2.0	1.9	30			
BBE023	0.6	1.5	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	47.5	5.5	2.2	20			
BBE024	0.2	0.5	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	140	10.3	1.1	< 10			
BBE025	0.5	1.5	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	22.6	7.0	1.3	30			
BBE026	0.3	0.8	0.1	0.7	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	27.7	2.4	1.6	40			
BBE027	0.3	0.8	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.09	30.6	2.4	2.0	20			
BBE028	0.6	1.7	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.28	45.3	5.5	2.3	50			
BBE029	0.9	2.3	0.3	1.6	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.13	45.8	4.0	2.2	30			
BBE030	0.4	1.0	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	0.09	25.8	2.4	1.3	20			
BBE031	0.4	1.1	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.09	15.4	9.7	2.2	< 10			
BBE032	0.2	0.6	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.11	43.0	2.3	1.1	40			
BBE033	0.3	0.7	0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	22.5	0.6	0.7	20			
BBE034	0.3	0.7	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.07	35.7	0.5	0.9	20			
BBE035	0.2	0.5	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	0.08	17.6	1.2	0.9	10			
BBE036	0.2	0.3	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	11.1	5.1	1.9	10			
BBE037	0.6	1.5	0.2	1.0	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	103	0.8	2.1	30			
BBE038	0.3	0.9	0.1	0.8	0.1	< 0.1	< 0.05	1.3	< 0.001	26	0.03	78.4	1.5	1.4	10			
BBE039 (missing)																		

Quality Control

Analyte Symbol	Au	Pd	Pt	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	5	5	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Analysis Method	FA-ICP	FA-ICP	FA-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas				5.6	0.8	< 1	0.038	0.13	0.35	0.03	1640	0.81	1.0	71	4.6	772	22.0	7.1	34.9	1030	743	3.58		356
GXR-1 Cert				8.20	1.22	15.0	0.0520	0.217	3.52	0.050	1380	0.960	1.58	80.0	12.0	852	23.6	8.20	41.0	1110	760	13.8		427
GXR-1 Meas				5.3	0.8	< 1	0.036	0.13	0.34	0.03	1540	0.81	1.1	72	5.4	806	22.7	7.3	35.9	1070	757	4.32		376
GXR-1 Cert				8.20	1.22	15.0	0.0520	0.217	3.52	0.050	1380	0.960	1.58	80.0	12.0	852	23.6	8.20	41.0	1110	760	13.8		427
GXR-1 Meas				5.2	0.9	< 1	0.038	0.13	0.35	0.03	1530	0.80	1.1	71	5.6	768	22.3	7.2	35.6	1030	733	4.36		362
GXR-1 Cert				8.20	1.22	15.0	0.0520	0.217	3.52	0.050	1380	0.960	1.58	80.0	12.0	852	23.6	8.20	41.0	1110	760	13.8		427
GXR-4 Meas				10.0	1.5	< 1	0.109	1.53	2.68	1.65	19.6	0.78	6.4	75	52.5	119	2.90	13.5	36.8	6180	67.8	10.1		93.4
GXR-4 Cert				11.1	1.90	4.50	0.564	1.66	7.20	4.01	19.0	1.01	7.70	87.0	64.0	155	3.09	14.6	42.0	6520	73.0	20.0		98.0
GXR-4 Meas				9.4	1.4	< 1	0.102	1.50	2.54	1.64	17.8	0.78	6.4	74	52.7	121	2.93	13.6	37.2	6390	66.2	10.1		94.4
GXR-4 Cert				11.1	1.90	4.50	0.564	1.66	7.20	4.01	19.0	1.01	7.70	87.0	64.0	155	3.09	14.6	42.0	6520	73.0	20.0		98.0
GXR-4 Meas				8.8	1.4	< 1	0.109	1.46	2.58	1.60	18.0	0.77	6.2	74	52.0	119	2.81	13.0	35.7	6000	65.0	10.0		88.9
GXR-4 Cert				11.1	1.90	4.50	0.564	1.66	7.20	4.01	19.0	1.01	7.70	87.0	64.0	155	3.09	14.6	42.0	6520	73.0	20.0		98.0
GXR-6 Meas				25.0	0.9	< 1	0.057	0.31	6.56	0.93	0.17	0.14	20.0	138	67.7	905	5.20	12.3	20.7	57.0	106	10.2		199
GXR-6 Cert				32.0	1.40	9.80	0.104	0.609	17.7	1.87	0.290	0.180	27.6	186	96.0	1010	5.58	13.8	27.0	66.0	118	35.0		330
GXR-6 Meas				22.8	0.8	< 1	0.054	0.31	6.35	0.92	0.14	0.14	19.4	137	67.6	937	5.28	12.3	21.2	59.0	105	12.0		201
GXR-6 Cert				32.0	1.40	9.80	0.104	0.609	17.7	1.87	0.290	0.180	27.6	186	96.0	1010	5.58	13.8	27.0	66.0	118	35.0		330
OREAS 134b (Fusion) Meas																								
OREAS 134b (Fusion) Cert																								
MP-1b Meas																								
MP-1b Cert																								
SAR-M (U.S.G.S.) Meas				12.0	0.9		0.017	0.28	0.68	0.13	1.66	0.19	1.7	21	72.4	3990	2.33	8.6	37.2	277	866	3.25		30.4
SAR-M (U.S.G.S.) Cert				27.4	2.20		1.140	0.50	6.30	2.94	1.94	0.61	7.83	67.2	79.7	5220	2.99	10.70	41.5	331	930.0	17		38.8
DNC-1a Meas																								
DNC-1a Cert																								
CCu-1d Meas																								
CCu-1d Cert																								
CZN-4 Meas																								
CZN-4 Cert																								
CDN-PGMS-24 Meas	714	5060	1120																					
CDN-PGMS-24 Cert	806.000	4880.00	1090.00																					
CDN-PGMS-24 Meas	797	4890	1090																					
CDN-PGMS-24 Cert	806.000	4880.00	1090.00																					
CDN-PGMS-24 Meas	758	4980	1110																					
CDN-PGMS-24 Cert	806.000	4880.00	1090.00																					
CDN-PGMS-24 Meas	761	4620	1080																					
CDN-PGMS-24 Cert	806.000	4880.00	1090.00																					
CDN-PGMS-24 Meas	774	4590	1090																					
CDN-PGMS-24 Cert	806.000	4880.00	1090.00																					
CDN-PGMS-24 Meas	760	4900	1050																					
CDN-PGMS-24 Cert	806.000	4880.00	1090.00																					
CDN-PGMS-24 Meas	818	5000	1110																					
CDN-PGMS-24 Cert	806.000	4880.00	1090.00																					
CDN-PGMS-24 Meas	789	4890	1140																					
CDN-PGMS-24 Cert	806.000	4880.00	1090.00																					
CDN-PGMS-24 Meas	865	5160	1100																					
CDN-PGMS-24 Cert	806.000	4880.00	1090.00																					
CDN-PGMS-24 Meas	812	5020	1120																					
CDN-PGMS-24 Cert	806.000	4880.00	1090.00																					
CDN-PGMS-24 Meas	858	4990	1110																					
CDN-PGMS-24 Cert	806.000	4880.00	1090.00																					
CDN-PGMS-25 Meas	478	1840	378																					
CDN-PGMS-25 Cert	483	1830	400																					
CDN-PGMS-25 Meas	459	1880	417																					
CDN-PGMS-25 Cert	483	1830	400																					
CDN-PGMS-25 Meas	514	1880	428																					
CDN-PGMS-25 Cert	483	1830	400																					

Quality Control

Analyte Symbol	Au	Pd	Pt	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	5	5	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Analysis Method	FA-ICP	FA-ICP	FA-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
CDN-PGMS-25 Meas	526	1750	411																					
CDN-PGMS-25 Cert	483	1830	400																					
CDN-PGMS-25 Meas	472	1770	393																					
CDN-PGMS-25 Cert	483	1830	400																					
CDN-PGMS-25 Meas	472	1790	387																					
CDN-PGMS-25 Cert	483	1830	400																					
CDN-PGMS-25 Meas	496	1880	388																					
CDN-PGMS-25 Cert	483	1830	400																					
CDN-PGMS-25 Meas	519	1900	383																					
CDN-PGMS-25 Cert	483	1830	400																					
CDN-PGMS-25 Meas	524	1920	423																					
CDN-PGMS-25 Cert	483	1830	400																					
CDN-PGMS-25 Meas	491	1860	425																					
CDN-PGMS-25 Cert	483	1830	400																					
17760 Orig	32	< 5	< 5																					
17760 Dup	22	< 5	< 5																					
17763 Orig				55.8	< 0.1	< 1	0.009	2.00	2.17	< 0.01	11.6	0.21	3.6	21	21.6	1030	13.2	67.5	25.9	4140	1260	7.72	0.2	385
17763 Dup				56.5	< 0.1	< 1	0.010	2.02	2.16	< 0.01	12.2	0.22	3.6	22	21.2	1000	13.3	69.1	26.5	4210	1290	7.84	0.2	400
17777 Orig				7.8	0.2	< 1	0.086	1.03	0.98	0.29	0.31	0.09	2.2	8	15.1	1400	7.26	16.0	28.4	58.0	134	2.38	0.1	17.1
17777 Dup				7.4	0.2	< 1	0.084	1.01	0.96	0.28	0.31	0.09	2.1	7	16.0	1350	6.94	15.2	27.4	56.4	133	2.46	0.1	16.9
17780 Orig	23	< 5	< 5	1.1	0.3	< 1	0.042	1.23	0.52	0.27	0.91	4.56	2.6	4	6.4	1110	3.58	11.9	29.9	55.3	90.9	1.10	0.1	24.7
17780 Split	6	< 5	< 5	1.0	0.2	< 1	0.038	1.23	0.49	0.24	0.82	4.51	2.5	4	6.3	1030	3.50	12.4	30.9	52.9	91.2	1.03	< 0.1	28.7
17781 Orig	49	< 5	< 5																					
17781 Dup	41	< 5	< 5																					
17790 Orig				2.3	0.3	< 1	0.038	1.03	0.76	0.33	0.52	1.59	2.3	7	13.4	815	3.89	15.2	42.5	37.6	70.4	1.97	< 0.1	42.6
17790 Dup				2.3	0.3	< 1	0.038	1.03	0.77	0.33	0.53	1.57	2.3	7	13.6	803	3.84	14.9	41.8	36.7	69.8	2.01	< 0.1	42.6
17795 Orig	< 2	< 5	< 5																					
17795 Dup	< 2	< 5	< 5																					
17800 Orig	< 2	< 5	< 5	17.8	0.1	< 1	0.009	0.96	0.77	0.06	0.25	0.36	1.0	4	16.4	396	3.09	12.2	28.1	32.4	107	2.08	< 0.1	18.6
17800 Split	10	25	21	18.3	0.1	< 1	0.009	1.04	0.77	0.06	0.25	0.37	1.0	4	14.8	403	3.13	11.2	26.9	29.1	117	2.21	< 0.1	16.5
17804 Orig				27.5	0.4	< 1	0.043	1.22	1.84	0.40	0.29	0.10	2.0	12	22.4	646	4.14	14.2	38.4	54.0	109	4.70	< 0.1	20.9
17804 Dup				27.3	0.4	< 1	0.043	1.23	1.83	0.39	0.31	0.09	2.0	12	23.2	653	4.09	14.8	38.5	52.1	112	4.72	< 0.1	22.3
17810 Orig	87	17	< 5	0.6	0.2	< 1	0.015	0.06	0.43	0.22	2.04	0.22	0.7	27	14.2	48	4.51	5.1	35.5	356	> 10000	1.37	< 0.1	5210
17810 Split	106	< 5	< 5	0.5	0.2	< 1	0.013	0.06	0.42	0.19	1.98	0.21	0.6	23	12.7	46	4.44	4.8	36.1	327	> 10000	1.30	< 0.1	5160
19027 Orig				1.7	0.2	< 1	0.035	0.87	0.45	0.17	0.30	0.66	1.5	3	8.6	325	3.09	12.8	24.5	26.9	42.1	0.96	< 0.1	25.6
19027 Dup				1.6	0.2	< 1	0.033	0.82	0.43	0.16	0.27	0.62	1.4	3	7.6	304	2.87	12.4	23.4	25.7	40.4	0.98	< 0.1	24.6
19030 Orig	< 2	6	< 5																					
19030 Dup	< 2	< 5	< 5																					
19032 Orig	4	< 5	< 5																					
19032 Dup	3	< 5	6																					
19040 Orig	< 2	< 5	< 5	17.7	0.2	< 1	0.029	1.10	1.04	0.21	0.70	0.10	1.7	8	20.5	639	4.45	14.6	33.8	21.8	53.9	2.85	< 0.1	9.1
19040 Split	3	< 5	< 5	19.6	0.3	< 1	0.023	1.13	0.97	0.19	0.77	0.10	1.6	7	18.3	602	4.32	14.4	32.2	19.3	54.8	2.49	< 0.1	11.0
19041 Orig				7.5	0.2	< 1	0.022	1.27	0.59	0.18	2.30	0.20	2.0	6	12.2	810	5.36	15.8	37.8	117	71.8	1.97	< 0.1	7.4
19041 Dup				7.4	0.2	< 1	0.023	1.25	0.58	0.17	2.22	0.19	2.0	6	11.7	788	5.21	15.7	35.8	115	70.0	1.87	< 0.1	7.8
19050 Orig	2	< 5	< 5	3.3	0.3	< 1	0.037	1.15	0.56	0.12	0.14	1.68	2.8	6	11.0	1050	3.44	13.1	33.4	21.8	68.9	1.50	< 0.1	11.5
19050 Split	5	< 5	< 5	3.0	0.2	< 1	0.026	1.16	0.43	0.09	0.14	1.66	2.6	6	12.0	1010	3.35	13.0	31.0	19.6	65.9	1.72	< 0.1	12.4
87653 Orig				19.6	0.1	< 1	0.069	2.95	0.99	0.05	0.19	5.79	11.1	30	101	1630	5.83	38.0	124	30.4	79.1	3.05	< 0.1	58.7
87653 Dup				19.5	0.1	< 1	0.070	2.89	0.98	0.05	0.17	5.70	10.9	29	96.8	1600	5.73	36.0	122	29.9	78.5	3.00	< 0.1	55.6
87664 Orig	< 2	< 5	< 5																					
87664 Dup	< 2	< 5	< 5																					
87667 Orig				7.8	0.2	< 1	0.046	1.50	0.62	0.19	0.15	1.16	2.7	9	28.7	417	3.88	17.4	53.8	37.1	70.4	1.44	< 0.1	27.2
87667 Dup				7.7	0.3	< 1	0.054	1.49	0.61	0.20	0.17	1.21	2.7	12	27.7	411	3.85	16.6	52.6	38.1	73.1	1.45	0.1	24.4
87669 Orig	< 2	6	< 5	29.5	0.2	< 1	0.041	3.30	1.29	0.13	0.20	4.05	9.4	42	293	752	5.49	35.7	161	53.6	87.4	3.60	0.1	68.5
87669 Split	3	< 5	14	30.9	0.2	< 1	0.038	3.42	1.23	0.11	0.22	4.05	9.3	42	283	726	5.31	32.7	154	51.8	89.2	3.13	< 0.1	62.0
88802 Orig	6	< 5	< 5																					
88802 Dup	9	31	7																					
88805 Orig				0.9	< 0.1	< 1	0.003	0.01	0.18	0.13	0.08	0.01	0.6	5	6.9	58	1.29	3.4	24.7	88.6	58.1	0.69	< 0.1	5.6

Quality Control

Analyte Symbol	Au	Pd	Pt	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	5	5	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Analysis Method	FA-ICP	FA-ICP	FA-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
88805 Dup				0.9	< 0.1	< 1	0.003	0.01	0.17	0.13	0.08	0.01	0.6	5	6.8	58	1.29	3.5	25.1	90.0	61.7	0.63	< 0.1	5.9
88819 Orig	< 2	7	< 5	1.5	< 0.1	< 1	0.008	3.62	0.25	0.12	0.04	6.19	5.6	10	23.0	862	5.34	25.9	150	87.1	147	< 0.02	< 0.1	26.3
88819 Split	< 2	< 5	< 5	1.8	0.1	< 1	0.007	3.96	0.27	0.13	0.04	6.70	6.0	10	22.7	835	5.29	25.7	148	81.1	150	< 0.02	< 0.1	27.2
88819 Orig				1.7	0.2	< 1	0.009	3.62	0.24	0.12	0.04	6.09	5.6	10	24.0	902	5.52	26.2	154	86.2	152	< 0.02	< 0.1	27.0
88819 Dup				1.4	< 0.1	< 1	0.007	3.61	0.25	0.12	0.03	6.29	5.7	10	22.0	823	5.16	25.6	146	88.0	141	0.52	< 0.1	25.6
88819 Split	< 2	< 5	< 5																					
88823 Orig	< 2	< 5	< 5																					
88823 Dup	12	< 5	< 5																					
88832 Orig				14.2	< 0.1	< 1	0.036	3.98	0.61	0.06	< 0.02	8.46	10.1	24	71.1	968	6.24	39.9	213	43.7	66.7	1.65	< 0.1	88.5
88832 Dup				14.7	< 0.1	< 1	0.037	4.01	0.62	0.06	< 0.02	8.55	10.1	25	72.9	995	6.44	45.0	219	45.1	65.5	1.65	< 0.1	95.6
88841 Orig																								
88841 Dup																								
88846 Orig	10	< 5	< 5	96.6	0.2	< 1	0.003	5.99	3.31	0.06	< 0.02	7.01	10.8	86	344	1100	7.27	52.8	286	32.7	115	7.60	< 0.1	67.0
88846 Dup	< 2	8	< 5	96.2	0.2	< 1	0.003	6.02	3.35	0.06	< 0.02	6.98	10.8	87	346	1100	7.30	50.6	292	31.9	118	7.64	< 0.1	63.0
88849 Orig	14	22	5	1.7	0.3	< 1	0.004	1.87	0.40	0.23	0.38	5.68	2.2	20	15.4	551	4.84	15.6	76.5	61.8	329	1.18	< 0.1	49.7
88849 Split	5	22	< 5	1.9	0.3	< 1	0.004	1.93	0.43	0.24	0.41	5.48	2.3	20	15.8	535	4.86	16.0	74.3	56.8	322	1.06	< 0.1	49.3
88849 Split				1.9	0.3	< 1	0.004	1.93	0.43	0.24	0.41	5.48	2.3	20	15.8	535	4.86	16.0	74.3	56.8	322	1.06	< 0.1	49.3
88857 Orig	12	25	< 5																					
88857 Dup	13	27	< 5																					
88869 Orig	5	21	< 5	3.0	0.4	< 1	0.005	1.73	0.58	0.31	0.12	6.37	2.0	89	21.4	289	2.47	5.6	91.9	197	467	1.28	< 0.1	12.5
88869 Split	5	19	< 5	3.9	0.5	< 1	0.007	1.87	0.69	0.37	0.14	7.11	2.2	101	24.1	297	2.67	6.3	102	203	494	0.98	< 0.1	13.0
88869 Orig				3.1	0.4	< 1	0.006	1.75	0.60	0.32	0.13	6.39	2.0	92	21.8	291	2.47	5.6	92.8	198	470	1.33	< 0.1	12.7
88869 Dup				2.9	0.4	< 1	0.004	1.71	0.56	0.31	0.12	6.34	1.9	86	21.1	288	2.47	5.7	91.1	196	465	1.22	< 0.1	12.4
88879 Orig	5	9	< 5	2.5	0.2	< 1	0.004	1.75	0.35	0.19	0.07	4.69	1.4	32	17.0	251	1.28	4.2	41.7	184	278	0.62	< 0.1	9.4
88879 Split	2	15	< 5	3.1	0.2	< 1	0.006	1.81	0.40	0.21	0.08	5.09	1.4	35	19.0	245	1.30	4.6	42.3	187	281	0.31	< 0.1	9.7
88883 Orig				4.6	0.3	< 1	0.007	1.11	0.54	0.26	0.26	5.24	1.8	81	20.8	281	3.88	8.5	64.9	163	295	1.24	< 0.1	24.0
88883 Dup				4.4	0.3	< 1	0.006	1.08	0.52	0.25	0.26	5.05	1.7	79	20.7	272	3.77	8.2	63.5	155	279	1.20	< 0.1	23.5
88890 Orig	< 2	< 5	< 5																					
88890 Dup	< 2	< 5	12																					
88896 Orig				102	0.3	< 1	0.012	3.49	3.86	0.09	0.04	6.24	10.9	133	264	663	7.29	59.4	230	120	112	10.7	< 0.1	12.4
88896 Dup				102	0.3	< 1	0.012	3.41	3.79	0.09	0.04	6.10	10.5	128	260	658	7.26	57.9	224	118	107	10.7	< 0.1	12.5
88906 Orig	< 2	< 5	< 5	6.1	0.3	< 1	0.009	1.03	0.37	0.14	0.35	0.40	2.0	6	12.9	530	4.33	18.5	43.3	26.3	97.2	0.34	< 0.1	3.1
88906 Split	3	< 5	8	6.9	0.3	< 1	0.010	1.11	0.41	0.16	0.45	0.43	2.1	6	11.9	550	4.69	19.7	46.3	27.6	101	< 0.02	< 0.1	2.7
BBE004 Orig				14.8	0.3	< 1	0.002	0.84	1.68	0.05	0.21	0.08	1.6	42	58.7	356	3.43	11.4	29.1	26.9	56.4	4.75	< 0.1	8.9
BBE004 Dup				14.8	0.3	< 1	0.001	0.85	1.74	0.05	0.22	0.08	1.7	43	60.1	363	3.43	11.4	29.9	27.6	58.2	4.93	< 0.1	9.1
BBE006 Orig	< 2	< 5	< 5																					
BBE006 Dup	< 2	< 5	7																					
BBE017 Orig	5	5	< 5																					
BBE017 Dup	8	< 5	5																					
BBE020 Orig				4.7	0.3	< 1	0.001	0.28	0.90	0.02	0.28	0.14	4.3	24	33.1	2020	6.82	19.2	61.9	49.4	64.0	2.17	0.1	93.6
BBE020 Dup				4.7	0.3	< 1	0.001	0.27	0.88	0.02	0.28	0.14	4.1	24	32.2	2020	6.71	18.8	60.5	47.9	63.3	2.13	0.1	91.8
BBE033 Orig	< 2	< 5	33																					
BBE033 Dup	< 2	< 5	< 5																					
BBE034 Orig				11.1	0.2	< 1	0.003	0.22	1.12	0.04	0.47	0.30	0.3	29	16.2	619	2.97	14.9	13.4	13.4	45.5	5.13	< 0.1	6.6
BBE034 Dup				11.7	0.3	< 1	0.003	0.24	1.19	0.04	0.50	0.30	0.3	31	17.3	638	3.16	15.1	14.3	14.0	48.1	5.56	0.1	7.3
BBE035 Orig	< 2	< 5	< 5																					
BBE035 Dup	< 2	< 5	< 5																					
BBE038 Orig	38	< 5	< 5																					
BBE038 Dup	37	17	< 5																					
Method Blank				< 0.1	< 0.1	< 1	< 0.001	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	< 1	< 0.5	< 1	< 0.01	< 0.1	< 0.1	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					

Quality Control

Analyte Symbol	Au	Pd	Pt	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	2	5	5	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1
Analysis Method	FA-ICP	FA-ICP	FA-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	10																					
Method Blank	< 2	< 5	6																					
Method Blank	3	< 5	< 5																					
Method Blank	2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank	< 2	< 5	< 5																					
Method Blank																								

Quality Control

Analyte Symbol	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	1	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas	10.8	2.0		24.7	9.0	< 0.1	15.6	33.2	2.40	0.64	21.1	72.1	12.1	2.52	224	4.4	8.69		5.18	1.8	0.5	3.1	0.6	4.4
GXR-1 Cert	16.6	14.0		32.0	38.0	0.800	18.0	31.0	3.30	0.770	54.0	122	13.0	3.00	750	7.50	17.0		18.0	2.70	0.690	4.20	0.830	4.30
GXR-1 Meas	10.8	2.0		25.1	9.5	< 0.1	16.6	33.3	2.30	0.65	21.6	70.9	12.1	2.52	212	4.3	8.53		5.32	1.9	0.5	3.1	0.6	4.3
GXR-1 Cert	16.6	14.0		32.0	38.0	0.800	18.0	31.0	3.30	0.770	54.0	122	13.0	3.00	750	7.50	17.0		18.0	2.70	0.690	4.20	0.830	4.30
GXR-1 Meas	11.0	1.9		24.4	9.3	< 0.1	16.1	31.9	2.33	0.65	21.1	74.8	13.0	2.36	149	4.4	8.59		5.17	1.9	0.4	3.0	0.6	4.2
GXR-1 Cert	16.6	14.0		32.0	38.0	0.800	18.0	31.0	3.30	0.770	54.0	122	13.0	3.00	750	7.50	17.0		18.0	2.70	0.690	4.20	0.830	4.30
GXR-4 Meas	5.0	91.4	63.3	10.9	7.5	< 0.1	297	4.33	0.07	0.18	4.87	3.49	0.91	2.24	37	36.5	72.3		29.0	4.6	1.1	3.6	0.4	2.4
GXR-4 Cert	5.60	160	221	14.0	186	10.0	310	4.00	0.860	0.270	5.60	4.80	0.970	2.80	1640	64.5	102		45.0	6.60	1.63	5.25	0.360	2.60
GXR-4 Meas	4.9	93.0	61.3	10.8	7.4	< 0.1	303	4.16	< 0.01	0.17	4.75	3.19	0.85	2.22	30	34.2	67.4		26.7	4.3	1.0	3.5	0.4	2.3
GXR-4 Cert	5.60	160	221	14.0	186	10.0	310	4.00	0.860	0.270	5.60	4.80	0.970	2.80	1640	64.5	102		45.0	6.60	1.63	5.25	0.360	2.60
GXR-4 Meas	4.5	88.2	58.9	10.4	7.4	< 0.1	286	3.88	0.10	0.17	4.64	3.30	0.93	2.10	22	35.3	70.2		27.6	4.3	1.0	3.3	0.4	2.2
GXR-4 Cert	5.60	160	221	14.0	186	10.0	310	4.00	0.860	0.270	5.60	4.80	0.970	2.80	1640	64.5	102		45.0	6.60	1.63	5.25	0.360	2.60
GXR-6 Meas	< 0.1		27.8	5.80	10.7	< 0.1	1.35	0.788	0.09	0.05	0.76	1.40	< 0.02	2.68	872	8.8	27.7		9.29	1.9	0.5	1.7	0.2	1.5
GXR-6 Cert	0.940		35.0	14.0	110	7.50	2.40	1.30	1.00	0.260	1.70	3.60	0.0180	4.20	1300	13.9	36.0		13.0	2.67	0.760	2.97	0.415	2.80
GXR-6 Meas	< 0.1		28.0	5.84	10.3	< 0.1	1.33	0.717	0.07	0.05	0.75	1.21	< 0.02	2.60	841	8.5	26.6		9.11	1.8	0.5	1.6	0.2	1.4
GXR-6 Cert	0.940		35.0	14.0	110	7.50	2.40	1.30	1.00	0.260	1.70	3.60	0.0180	4.20	1300	13.9	36.0		13.0	2.67	0.760	2.97	0.415	2.80
OREAS 134b (Fusion) Meas																								
OREAS 134b (Fusion) Cert																								
MP-1b Meas																								
MP-1b Cert																								
SAR-M (U.S.G.S.) Meas	< 0.1	12.4	21.8	14.3		1.8	11.3	3.10	4.51	0.92	1.71	3.38	0.74		126	34.5	72.4							
SAR-M (U.S.G.S.) Cert	0.39	146	151	28.00		29.9	13.1	3.64	5.27	1.08	2.76	6.0	0.96		801	57.4	122.0							
DNC-1a Meas																								
DNC-1a Cert																								
CCu-1d Meas																								
CCu-1d Cert																								
CZN-4 Meas																								
CZN-4 Cert																								
CDN-PGMS-24 Meas																								
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Quality Control

Analyte Symbol	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	1	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
CDN-PGMS-25 Meas																								
CDN-PGMS-25 Cert																								
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CDN-PGMS-25 Cert																								
CDN-PGMS-25 Meas																								
CDN-PGMS-25 Cert																								
17760 Orig																								
17760 Dup																								
17763 Orig	6.8	0.3	8.3	2.76	12.4	< 0.1	0.50	6.99	3.61	4.93	31.1	2.07	0.05	0.04	< 1	5.2	11.4	1.4	5.41	1.2	0.1	1.2	0.2	0.7
17763 Dup	6.9	0.3	8.3	2.75	12.3	< 0.1	0.50	7.47	3.80	4.87	31.5	2.11	0.06	0.04	1	5.5	12.0	1.4	5.62	1.3	0.1	1.3	0.2	0.8
17777 Orig	< 0.1	12.4	11.8	2.04	9.0	< 0.1	0.66	0.372	0.12	0.18	1.97	0.11	< 0.02	0.29	95	19.0	40.9	4.4	16.2	2.6	0.4	1.8	0.2	0.7
17777 Dup	< 0.1	11.9	11.5	2.04	8.9	< 0.1	0.77	0.311	0.10	0.18	1.97	0.11	< 0.02	0.29	91	18.3	39.5	4.3	15.7	2.6	0.4	1.6	0.2	0.7
17780 Orig	< 0.1	11.0	82.7	4.44	8.1	< 0.1	0.37	0.641	0.48	0.05	0.38	0.08	< 0.02	0.28	76	9.4	20.3	2.2	8.46	1.6	0.4	1.5	0.2	1.1
17780 Split	< 0.1	10.5	84.0	4.50	6.4	< 0.1	0.51	0.590	0.44	0.05	0.44	0.06	< 0.02	0.28	75	8.6	18.6	2.0	7.70	1.5	0.4	1.5	0.2	1.2
17781 Orig																								
17781 Dup																								
17790 Orig	0.2	14.7	51.6	3.62	12.2	< 0.1	0.60	0.469	0.13	0.03	0.82	0.20	< 0.02	0.65	24	8.9	19.5	2.2	8.42	1.6	0.4	1.4	0.2	0.9
17790 Dup	< 0.1	14.8	51.2	3.58	12.1	< 0.1	0.63	0.487	0.14	0.03	0.62	0.21	< 0.02	0.64	24	9.2	20.2	2.3	8.73	1.7	0.4	1.4	0.2	0.9
17795 Orig																								
17795 Dup																								
17800 Orig	< 0.1	2.7	11.5	2.48	6.2	< 0.1	1.14	0.763	0.20	< 0.02	0.43	0.07	< 0.02	0.15	14	17.2	33.6	3.9	14.2	2.4	0.4	1.8	0.2	0.8
17800 Split	< 0.1	2.6	12.3	2.62	8.9	< 0.1	1.04	0.616	0.21	< 0.02	0.45	0.07	< 0.02	0.16	15	18.6	37.1	4.3	15.9	2.7	0.5	2.0	0.2	1.0
17804 Orig	< 0.1	17.5	8.8	3.00	9.4	< 0.1	0.47	0.473	0.08	0.06	1.39	0.10	< 0.02	0.33	90	28.7	55.7	6.5	24.2	4.0	0.7	2.8	0.3	1.0
17804 Dup	< 0.1	16.9	8.7	2.97	8.6	< 0.1	0.51	0.510	0.07	0.06	1.38	0.10	< 0.02	0.32	87	28.0	54.6	6.5	23.8	3.9	0.7	2.7	0.3	1.0
17810 Orig	7.0	10.7	8.3	3.03	24.0	< 0.1	7.25	42.3	37.7	0.45	13.3	76.7	< 0.02	0.23	< 1	4.2	9.30	1.2	4.66	1.0	0.3	0.9	0.1	0.7
17810 Split	6.4	9.5	8.6	2.88	23.3	< 0.1	6.79	38.0	34.6	0.42	12.0	74.3	< 0.02	0.21	2	4.1	8.69	1.1	4.48	1.0	0.3	0.9	0.1	0.7
19027 Orig	< 0.1	6.9	24.7	3.49	7.8	< 0.1	1.01	0.705	0.08	< 0.02	0.34	0.09	< 0.02	0.23	43	11.8	24.3	2.8	10.3	1.8	0.3	1.5	0.2	0.9
19027 Dup	< 0.1	6.7	23.4	3.33	8.2	< 0.1	0.92	0.653	0.08	< 0.02	0.49	0.09	< 0.02	0.23	40	11.4	23.9	2.7	10.1	1.8	0.3	1.4	0.2	0.8
19030 Orig																								
19030 Dup																								
19032 Orig																								
19032 Dup																								
19040 Orig	< 0.1	8.3	6.9	2.51	9.1	< 0.1	0.72	0.264	0.01	< 0.02	0.53	0.22	< 0.02	0.27	47	14.1	28.9	3.2	11.8	2.1	0.4	1.6	0.2	0.7
19040 Split	< 0.1	7.5	6.8	2.35	9.6	< 0.1	0.71	1.45	0.02	0.02	0.50	0.23	< 0.02	0.27	47	12.9	26.6	3.0	11.2	2.0	0.4	1.6	0.2	0.8
19041 Orig	< 0.1	7.0	8.0	2.39	12.8	< 0.1	0.70	0.387	0.06	0.12	0.57	0.13	< 0.02	0.31	46	12.9	26.0	2.9	10.5	1.9	0.3	1.4	0.2	0.7
19041 Dup	< 0.1	7.0	7.9	2.36	12.4	< 0.1	0.63	0.453	0.07	0.12	0.56	0.14	< 0.02	0.31	45	13.2	26.5	2.9	10.8	1.9	0.3	1.5	0.2	0.7
19050 Orig	< 0.1	5.1	45.4	3.03	6.8	< 0.1	0.41	0.463	0.06	< 0.02	0.64	0.09	< 0.02	0.96	57	13.0	27.0	3.0	11.1	1.9	0.4	1.5	0.2	0.8
19050 Split	< 0.1	5.2	44.4	2.76	5.9	< 0.1	0.31	0.523	0.06	< 0.02	0.12	0.08	< 0.02	1.00	49	11.7	24.6	2.8	10.4	1.8	0.4	1.5	0.2	0.9
87653 Orig	< 0.1	1.8	104	4.33	1.8	< 0.1	0.75	0.292	0.13	0.04	< 0.05	0.11	< 0.02	0.19	37	6.2	13.7	1.7	7.00	1.6	0.5	1.7	0.2	1.2
87653 Dup	< 0.1	1.8	101	4.22	1.9	< 0.1	0.71	0.326	0.12	0.04	< 0.05	0.11	< 0.02	0.18	37	6.4	13.9	1.7	7.26	1.7	0.5	1.7	0.2	1.2
87664 Orig																								
87664 Dup																								
87667 Orig	< 0.1	7.7	40.5	3.67	2.2	< 0.1	1.24	0.429	0.09	< 0.02	1.30	0.08	< 0.02	0.29	71	12.2	24.5	2.8	10.4	2.0	0.5	1.7	0.2	1.0
87667 Dup	< 0.1	7.7	40.4	3.66	3.4	< 0.1	1.27	0.562	0.08	< 0.02	3.35	0.24	0.02	0.29	75	13.1	26.0	3.0	11.3	2.1	0.5	1.8	0.2	1.1
87669 Orig	0.1	5.1	118	3.86	4.5	< 0.1	0.93	0.594	0.12	0.02	0.15	0.09	< 0.02	0.22	74	4.9	10.3	1.2	5.13	1.2	0.4	1.4	0.2	1.1
87669 Split	< 0.1	4.7	119	3.90	5.2	< 0.1	0.95	0.674	0.14	< 0.02	0.26	0.10	< 0.02	0.21	74	4.7	10.1	1.2	5.22	1.2	0.4	1.4	0.2	1.2
88802 Orig																								
88802 Dup																								
88805 Orig	0.9	3.0	1.5	1.76	10.8	< 0.1	0.92	0.638	0.18	< 0.02	0.08	0.13	< 0.02	0.08	57	8.0	13.2	1.8	6.67	1.2	0.2	0.8	< 0.1	0.4

Quality Control

Analyte Symbol	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	1	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
88805 Dup	1.0	3.1	1.7	1.77	10.9	< 0.1	0.94	0.830	0.17	< 0.02	0.57	0.15	< 0.02	0.09	60	8.2	13.4	1.8	6.71	1.2	0.2	0.8	< 0.1	0.4
88819 Orig	1.2	3.6	197	8.01	4.8	< 0.1	12.6	0.546	1.20	< 0.02	0.34	0.23	< 0.02	0.14	92	1.9	4.30	0.6	3.33	1.2	0.6	2.0	0.3	2.0
88819 Split	1.1	3.6	203	8.04	4.2	< 0.1	12.2	0.426	1.24	0.02	< 0.05	0.27	< 0.02	0.15	99	1.9	4.52	0.7	3.60	1.3	0.7	2.1	0.3	2.1
88819 Orig	1.1	3.6	201	8.24	4.7	< 0.1	13.0	0.534	1.19	< 0.02	0.28	0.24	< 0.02	0.14	94	1.9	4.40	0.6	3.35	1.2	0.7	2.1	0.4	2.2
88819 Dup	1.2	3.5	193	7.79	4.8	< 0.1	12.3	0.558	1.20	< 0.02	0.41	0.23	< 0.02	0.14	90	1.9	4.21	0.6	3.31	1.2	0.6	1.9	0.3	1.8
88819 Split																								
88823 Orig																								
88823 Dup																								
88832 Orig	< 0.1	2.3	189	6.68	0.4	< 0.1	0.39	0.422	0.15	0.02	0.19	0.05	< 0.02	0.15	47	2.0	4.62	0.6	3.26	1.1	0.6	1.7	0.3	1.7
88832 Dup	< 0.1	2.3	190	6.60	0.5	< 0.1	0.37	0.293	0.15	0.03	< 0.05	0.05	< 0.02	0.16	49	1.9	4.42	0.6	3.18	1.2	0.6	1.7	0.3	1.7
88841 Orig																								
88841 Dup																								
88846 Orig	0.2	1.5	224	8.04	1.0	< 0.1	0.63	0.489	0.13	0.02	< 0.05	0.06	< 0.02	0.10	59	3.3	6.76	0.9	4.13	1.3	0.6	2.0	0.4	2.2
88846 Dup	0.1	1.6	226	8.10	1.1	< 0.1	0.69	0.683	0.14	0.02	1.41	0.06	< 0.02	0.10	60	3.2	6.83	0.9	4.17	1.3	0.6	2.1	0.4	2.1
88849 Orig	7.9	6.2	169	18.4	2.6	< 0.1	5.14	0.620	1.54	0.03	0.19	0.72	0.29	0.34	36	4.3	8.49	1.7	8.74	2.7	1.0	3.7	0.6	3.5
88849 Split	8.2	6.3	168	18.6	2.4	< 0.1	5.03	0.627	1.53	0.03	0.13	0.68	0.28	0.34	38	4.3	8.44	1.7	8.77	2.8	1.0	3.7	0.6	3.6
88849 Split	8.2	6.3	168	18.6	2.4	< 0.1	5.03	0.627	1.53	0.03	0.13	0.68	0.28	0.34	38	4.3	8.44	1.7	8.77	2.8	1.0	3.7	0.6	3.6
88857 Orig																								
88857 Dup																								
88869 Orig	5.5	9.2	167	30.6	1.9	< 0.1	13.7	0.905	2.88	0.03	0.22	0.35	< 0.02	0.76	142	9.2	16.9	3.3	15.6	3.9	1.1	4.8	0.8	4.9
88869 Split	5.3	10.2	175	32.1	1.9	< 0.1	14.3	0.870	3.15	0.03	0.25	0.39	0.03	0.86	155	10.2	18.5	3.6	16.8	4.3	1.3	5.5	0.9	5.7
88869 Orig	5.9	9.5	170	31.3	2.2	< 0.1	13.7	1.01	2.91	0.03	0.23	0.37	< 0.02	0.78	149	9.6	17.4	3.4	16.0	4.0	1.1	4.8	0.8	5.0
88869 Dup	5.1	8.9	164	30.0	1.6	< 0.1	13.6	0.798	2.84	0.03	0.21	0.34	0.06	0.73	135	8.9	16.3	3.2	15.3	3.9	1.1	4.8	0.7	4.8
88879 Orig	3.9	5.7	115	16.5	2.3	< 0.1	4.69	1.05	1.18	0.02	0.32	0.22	< 0.02	0.28	100	5.4	9.89	1.9	8.94	2.2	0.6	2.7	0.4	2.8
88879 Split	4.1	6.1	116	16.8	2.2	< 0.1	4.95	0.824	1.20	0.02	0.15	0.25	< 0.02	0.32	113	6.1	10.8	2.0	9.36	2.3	0.7	3.0	0.5	3.1
88883 Orig	8.9	8.8	148	25.1	3.0	< 0.1	47.6	1.42	2.61	< 0.02	0.19	3.76	0.24	0.57	40	8.9	17.4	2.9	13.2	3.0	1.3	3.5	0.6	3.8
88883 Dup	8.9	8.5	143	24.5	2.8	< 0.1	44.6	1.33	2.38	< 0.02	0.15	3.82	0.24	0.58	42	8.7	17.1	2.9	12.9	2.9	1.3	3.5	0.6	3.7
88890 Orig																								
88890 Dup																								
88896 Orig	0.8	3.0	239	9.20	4.1	< 0.1	1.63	0.583	0.24	0.04	0.08	0.18	< 0.02	0.18	121	14.2	27.9	3.4	14.3	3.1	1.0	3.4	0.5	2.7
88896 Dup	1.3	3.0	235	9.09	4.6	< 0.1	1.56	0.403	0.23	0.03	< 0.05	0.18	< 0.02	0.16	118	13.3	26.3	3.3	13.7	3.0	1.0	3.2	0.5	2.6
88906 Orig	< 0.1	5.8	25.7	3.04	5.7	< 0.1	0.99	0.506	0.02	< 0.02	0.14	0.11	< 0.02	1.02	212	28.5	54.3	6.7	24.3	3.9	0.7	2.9	0.3	1.3
88906 Split	< 0.1	6.0	26.5	3.20	6.1	< 0.1	0.97	0.511	0.03	< 0.02	0.30	0.15	< 0.02	1.10	239	31.6	60.0	7.5	26.7	4.6	0.8	3.3	0.4	1.6
BBE004 Orig	< 0.1	8.4	4.6	3.65	< 0.1	< 0.1	1.40	0.296	0.11	< 0.02	0.11	0.26	< 0.02	1.21	56	19.9	40.7	4.6	17.3	2.9	0.5	2.2	0.3	1.2
BBE004 Dup	< 0.1	8.7	5.1	3.74	< 0.1	< 0.1	1.39	0.389	0.11	< 0.02	0.21	0.26	< 0.02	1.23	63	20.2	41.5	4.6	17.3	3.0	0.6	2.2	0.3	1.1
BBE006 Orig																								
BBE006 Dup																								
BBE017 Orig																								
BBE017 Dup																								
BBE020 Orig	0.2	4.7	6.4	15.0	1.0	< 0.1	3.80	0.480	0.32	0.04	0.23	0.79	< 0.02	0.97	47	23.2	118	5.6	20.7	3.7	0.8	3.6	0.5	3.2
BBE020 Dup	0.3	4.5	6.3	14.7	1.1	< 0.1	3.83	0.436	0.38	0.04	< 0.05	0.77	< 0.02	0.97	49	22.7	117	5.5	20.5	3.8	0.8	3.6	0.5	3.3
BBE033 Orig																								
BBE033 Dup																								
BBE034 Orig	< 0.1	11.2	20.5	5.65	< 0.1	0.2	0.83	0.481	0.16	< 0.02	0.44	0.27	< 0.02	1.03	65	23.5	42.0	5.2	19.1	3.2	0.6	2.5	0.3	1.5
BBE034 Dup	< 0.1	12.3	21.3	6.02	< 0.1	0.2	0.89	0.466	0.13	< 0.02	0.44	0.28	< 0.02	1.15	67	25.2	45.5	5.7	20.8	3.4	0.7	2.7	0.3	1.7
BBE035 Orig																								
BBE035 Dup																								
BBE038 Orig																								
BBE038 Dup																								
Method Blank	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.01	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	< 1	< 0.5	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
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Quality Control

Analyte Symbol	Se	Rb	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	1	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
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Quality Control

Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Cu	Pb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	%
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1	10	0.005	0.01	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2
GXR-1 Meas			0.4	1.9	0.3	0.2	< 0.05	> 100		3310	0.32	727	1.5	31.4	3160			
GXR-1 Cert			0.430	1.90	0.280	0.960	0.175	164		3300	0.390	730	2.44	34.9	3900			
GXR-1 Meas			0.4	1.8	0.2	0.2	< 0.05	> 100		3310	0.31	689	1.3	30.3	3150			
GXR-1 Cert			0.430	1.90	0.280	0.960	0.175	164		3300	0.390	730	2.44	34.9	3900			
GXR-1 Meas			0.3	1.9	0.3	0.2	< 0.05	> 100		3290	0.24	693	1.2	29.8	2980			
GXR-1 Cert			0.430	1.90	0.280	0.960	0.175	164		3300	0.390	730	2.44	34.9	3900			
GXR-4 Meas			0.1	0.8	< 0.1	0.2	< 0.05	12.0		318	2.70	43.1	16.4	4.3				
GXR-4 Cert			0.210	1.60	0.170	6.30	0.790	30.8		470	3.20	52.0	22.5	6.20				
GXR-4 Meas			0.1	0.7	< 0.1	0.2	< 0.05	10.9		300	2.64	40.1	14.5	4.1				
GXR-4 Cert			0.210	1.60	0.170	6.30	0.790	30.8		470	3.20	52.0	22.5	6.20				
GXR-4 Meas			0.1	0.7	< 0.1	0.2	< 0.05	10.7		497	2.30	40.4	14.4	4.1				
GXR-4 Cert			0.210	1.60	0.170	6.30	0.790	30.8		470	3.20	52.0	22.5	6.20				
GXR-6 Meas			0.1	0.7	< 0.1	0.2	< 0.05	< 0.1		55	1.22	91.7	3.8	0.7				
GXR-6 Cert			0.0320	2.40	0.330	4.30	0.485	1.90		95.0	2.20	101	5.30	1.54				
GXR-6 Meas			0.1	0.6	< 0.1	0.2	< 0.05	< 0.1		67	1.12	84.3	3.4	0.7				
GXR-6 Cert			0.0320	2.40	0.330	4.30	0.485	1.90		95.0	2.20	101	5.30	1.54				
OREAS 134b (Fusion) Meas																0.134	13.5	18.0
OREAS 134b (Fusion) Cert																0.134	13.20	18.12
MP-1b Meas																3.19	2.06	16.6
MP-1b Cert																3.069	2.091	16.67
SAR-M (U.S.G.S.) Meas								2.6			0.54	819	8.5	1.5				
SAR-M (U.S.G.S.) Cert								9.78			2.7	982	17.2	3.57				
DNC-1a Meas																		< 0.01
DNC-1a Cert																		0.0
CCu-1d Meas																22.9	0.26	2.58
CCu-1d Cert																23.93	0.262	2.63
CZN-4 Meas																0.404	0.18	57.1
CZN-4 Cert																0.403	0.1861	55.24
CDN-PGMS-24 Meas																		
CDN-PGMS-24 Cert																		
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Quality Control

Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Cu	Pb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	%
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1	10	0.005	0.01	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2
CDN-PGMS-25 Cert																		
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CDN-PGMS-25 Meas																		
CDN-PGMS-25 Cert																		
CDN-PGMS-25 Meas																		
CDN-PGMS-25 Cert																		
17760 Orig																		
17760 Dup																		
17763 Orig	0.1	0.3	< 0.1	0.2	< 0.1	0.3	< 0.05	< 0.1	0.002	9	< 0.02	418	2.3	1.1	630			
17763 Dup	0.1	0.3	< 0.1	0.2	< 0.1	0.3	< 0.05	< 0.1	0.001	11	< 0.02	440	2.4	1.1	50			
17777 Orig	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.09	5.72	8.5	1.4	< 10			
17777 Dup	< 0.1	0.2	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.09	5.83	8.1	1.4	< 10			
17780 Orig	0.2	0.6	< 0.1	0.5	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.08	60.7	8.2	1.6	< 10			
17780 Split	0.2	0.6	< 0.1	0.5	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.07	54.5	7.9	1.5	< 10			
17781 Orig																		
17781 Dup																		
17790 Orig	0.1	0.4	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	0.001	< 5	0.20	44.5	5.0	1.0	< 10			
17790 Dup	0.1	0.4	< 0.1	0.3	< 0.1	0.2	< 0.05	0.3	0.001	< 5	0.20	44.1	5.0	1.0	< 10			
17795 Orig																		
17795 Dup																		
17800 Orig	0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.03	27.7	6.2	1.2	< 10			
17800 Split	0.1	0.3	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	0.001	< 5	0.02	24.5	7.4	1.2	< 10			
17804 Orig	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	0.001	< 5	0.22	3.40	9.5	1.4	< 10			
17804 Dup	0.1	0.3	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.22	3.72	9.6	1.4	< 10			
17810 Orig	0.1	0.3	< 0.1	0.3	< 0.1	0.4	< 0.05	1.8	0.016	< 5	4.81	> 5000	1.7	3.7	3450	0.034	0.87	1.48
17810 Split	0.1	0.3	< 0.1	0.2	< 0.1	0.4	< 0.05	1.7	0.016	< 5	4.70	> 5000	2.0	3.6	3200	0.035	0.87	1.47
19027 Orig	0.1	0.4	< 0.1	0.4	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.06	27.2	8.7	2.3	20			
19027 Dup	0.1	0.4	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.05	26.4	8.4	2.2	10			
19030 Orig																		
19030 Dup																		
19032 Orig																		
19032 Dup																		
19040 Orig	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.04	3.77	8.1	0.9	10			
19040 Split	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.09	4.78	8.3	0.9	40			
19041 Orig	0.1	0.3	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	< 0.001	< 5	0.04	16.5	8.3	1.2	< 10			
19041 Dup	0.1	0.3	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.04	16.4	8.4	1.1	< 10			
19050 Orig	0.1	0.3	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	9.12	7.6	1.3	< 10			
19050 Split	0.1	0.3	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	8.53	8.1	1.4	< 10			
87653 Orig	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	7.90	2.0	0.4	< 10			
87653 Dup	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	7.18	1.9	0.4	< 10			
87664 Orig																		
87664 Dup																		
87667 Orig	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	13.8	6.3	1.0	< 10			
87667 Dup	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	15.1	6.6	1.0	< 10			
87669 Orig	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	29.2	2.6	1.0	< 10			
87669 Split	0.2	0.5	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	0.001	< 5	0.03	33.1	2.9	0.9	< 10			
88802 Orig																		
88802 Dup																		

Quality Control

Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Cu	Pb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	%
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1	10	0.005	0.01	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2
88805 Orig	< 0.1	0.2	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	< 0.02	4.96	2.0	0.4	< 10			
88805 Dup	< 0.1	0.2	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	< 0.02	5.77	2.0	0.4	< 10			
88819 Orig	0.3	0.8	< 0.1	0.5	< 0.1	< 0.1	< 0.05	0.4	0.004	< 5	< 0.02	39.6	0.6	0.4	< 10			
88819 Split	0.4	0.9	0.1	0.5	< 0.1	< 0.1	< 0.05	0.4	0.004	< 5	< 0.02	44.9	0.6	0.5	20			
88819 Orig	0.4	0.9	0.1	0.5	< 0.1	< 0.1	< 0.05	0.4	0.004	< 5	< 0.02	40.2	0.7	0.4	20			
88819 Dup	0.3	0.8	< 0.1	0.5	< 0.1	< 0.1	< 0.05	0.3	0.003	< 5	< 0.02	38.9	0.5	0.4	< 10			
88819 Split																		
88823 Orig																		
88823 Dup																		
88832 Orig	0.3	0.8	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.001	7	< 0.02	3.64	0.3	< 0.1	20			
88832 Dup	0.3	0.8	< 0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	3.70	0.3	< 0.1	< 10			
88841 Orig																0.334	2.00	1.11
88841 Dup																0.326	2.00	1.11
88846 Orig	0.4	0.9	0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	4.84	0.6	0.4	20			
88846 Dup	0.4	0.9	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	< 0.02	4.90	0.6	0.4	10			
88849 Orig	0.7	1.8	0.2	1.5	0.2	< 0.1	< 0.05	< 0.1	0.014	< 5	< 0.02	142	4.5	3.7	< 10			
88849 Split	0.7	1.9	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.016	< 5	< 0.02	147	4.7	3.7	< 10			
88849 Split	0.7	1.9	0.3	1.5	0.2	< 0.1	< 0.05	< 0.1	0.016	< 5	< 0.02	147	4.7	3.7	< 10			
88857 Orig																		
88857 Dup																		
88869 Orig	1.0	3.0	0.4	2.4	0.4	< 0.1	< 0.05	< 0.1	0.057	< 5	< 0.02	5.41	6.4	11.6	< 10			
88869 Split	1.2	3.3	0.5	2.5	0.4	< 0.1	< 0.05	< 0.1	0.065	< 5	< 0.02	6.20	7.3	13.0	< 10			
88869 Orig	1.1	3.1	0.4	2.5	0.4	< 0.1	< 0.05	< 0.1	0.057	< 5	< 0.02	5.45	6.5	11.8	10			
88869 Dup	1.0	2.9	0.4	2.3	0.4	< 0.1	< 0.05	< 0.1	0.058	< 5	< 0.02	5.38	6.2	11.4	< 10			
88879 Orig	0.6	1.6	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.023	< 5	< 0.02	8.79	2.7	3.5	< 10			
88879 Split	0.6	1.8	0.2	1.3	0.2	< 0.1	< 0.05	< 0.1	0.024	< 5	< 0.02	10.1	3.1	3.8	10			
88883 Orig	0.8	2.4	0.3	1.8	0.3	< 0.1	< 0.05	0.2	0.044	< 5	0.03	45.3	3.9	7.3	< 10			
88883 Dup	0.8	2.4	0.3	1.8	0.3	< 0.1	< 0.05	0.2	0.038	< 5	0.03	44.4	3.8	7.2	30			
88890 Orig																		
88890 Dup																		
88896 Orig	0.4	1.1	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	0.002	< 5	< 0.02	4.77	2.4	0.7	< 10			
88896 Dup	0.4	1.0	0.1	0.6	< 0.1	< 0.1	< 0.05	< 0.1	0.003	< 5	< 0.02	4.63	2.3	0.6	< 10			
88906 Orig	0.2	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	23.8	9.6	1.2	< 10			
88906 Split	0.2	0.4	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	30.0	11.0	1.4	< 10			
BBE004 Orig	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	12.8	1.1	0.6	20			
BBE004 Dup	0.2	0.4	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	13.1	1.2	0.6	10			
BBE006 Orig																		
BBE006 Dup																		
BBE017 Orig																		
BBE017 Dup																		
BBE020 Orig	0.7	2.0	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	0.001	< 5	0.08	44.0	6.9	2.7	30			
BBE020 Dup	0.7	2.0	0.3	1.9	0.3	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.10	44.8	6.9	2.7	20			
BBE033 Orig																		
BBE033 Dup																		
BBE034 Orig	0.3	0.6	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.07	35.0	0.5	0.9	30			
BBE034 Dup	0.3	0.7	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.07	36.4	0.6	1.0	20			
BBE035 Orig																		
BBE035 Dup																		
BBE038 Orig																		
BBE038 Dup																		
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.001	< 5	< 0.02	< 0.01	< 0.1	< 0.1	< 10			
Method Blank																		
Method Blank																		
Method Blank																		
Method Blank																		
Method Blank																		
Method Blank																		

Quality Control

Analyte Symbol	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Cu	Pb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	%	%	%
Detection Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1	10	0.005	0.01	0.01
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FUS-Na2O2	FUS-Na2O2	FUS-Na2O2
Method Blank																		
Method Blank																		
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Method Blank																< 0.005	< 0.01	< 0.01

Appendix 6

Frank Creek Drill Logs

PROPERTY: FRANK CREEK

BARKER MINERALS LTD.

DRILL HOLE NO. FC2013 - 09

Dip & Azimuth Tests			DDH FC2013-09	Easting (NAD 83): 610486	Core Size: NQ, BQ	Started: , 2013
Depth	Dip	Azmth	Other tests	Northing (NAD 83): 5845537	Hole Azimuth: 90°	Finished: June 27, 2013
				Grid Location: 10U	Hole Angle: -60°	Logged by: R.Turna
				Elevation: 1118m	Total Depth: 147.5 m	Analysis by: Actlabs
						Drilling by: Barker Minerals

Depth (m)								Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong)						
From	To		Description	% Py	% Cpy	% Sph	% Gal	Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
			Purpose of hole is to follow up results in DDH FC-11-03											
0.00	2.05		Rubble consisting of black siltstone, quartz, silicified phylite and pyritic sand. Much of this is rounded and appears to be related to o**verburden**.											None.
2.05	3.50		**Black sheared siltstone.** Intensely sheared perpendicular to the core axis. Weak highly fractured rock. The upper half of this interval is mostly pyritic sand, suggesting an incompetent pyritic interval may have been washed away. 5% pyrite is an average for the interval, though concentrated in the upper portion. The black siltstone is about 3% pyritic, py is disseminated, cubic. Not very graphitic. Mainly not altered, the black siltstone here may be considered a protolith of the extensive grey silicified rock below. The lower contact appears to be gradational, related to increasing silicification downward.	5										None.

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
3.50	22.63		**Grey sheared siltstone and greywacke**. Local 1 mm angular clasts resemble phenocrysts which suggest some tuffaceous intermixture. Fairly intense shearing generally, though intensity diminishes downward. Fracture intensity is fairly high. Locally wavy shearing. Stretched clasts may be breccia clasts or coarser grains from the protolith sediment. Patchy weak to moderate pervasive silicification, masking possible sericite. Above 16 m quartz veinlets are unimportant. Some qtz veinlets from 16.0 - 20.90 m. At 20.90 m - 21.75 m is 30% disorganized mass of greyish quartz. Pyrite is blebby and cubic, disseminated and commonly in discontinuous in fine bands, deformed by and parallel with shear planes. 80% pyrite band at 3.30 m - 3.39 m, parallel with shear planes. Py is 5% to 16.0 m, diminishing below that to 2%. Minor chalcopyrite with pyrite in blebs at 10.43 m, 10.61 m, 11.40 m and 17.50 m.. Weak to moderate pervasive silicification throughout.	3	0.01						3			Magnetic sulphide (pyrrhotite) at 10.61 m, and 22.23 - 22.63 m.

Depth (m) From	Depth (m) To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
22.63	44.15		**Altered zone with faults.** Coarser grained. Light grey greywacke with some volcaniclastic. Grains are poorly sorted, in size and roundedness. Local 1 mm clasts are rectangular, suggesting tuffaceous input. Blocky massive rock with a little local weak shearing evident. Local fractured crumbly rock and gouge at 23.8 - 23.9 m, 38.25 - 38.35 m, **38.7 - 40.4 m (much gouge)** and 43.5 - 43.85 m suggest acid leaching in fault zones. Pervasive moderate to strong sericite and patchy moderate silicification. Patchy very weak greenish colour appears related to sericite. No important veins but for vuggy white quartz at 34.80 - 35.0 m, 45 dgrees to core axis (tca). Pyrite is extensive but patchy, cubic, fairly coarse. Lower contact is abrupt, apparently related to a fault contact and an alteration front.	0.5				0.1	3		2			None.
44.15	60.40		Finer grained than above, **medium grey greywacke**, locally weakly sheared breccia. Local 1 mm clasts are rectangular, suggesting tuffaceous input. Mainly massive as above, more silicified and pyritic, less sericitic and much less acid leached. Local weak wavy shearing and weakly sheared incipient breccia, clasts not rotated much from eachother. Rare sericitic green colour. Patchy, blebby, cubic pyrite is more abundant than above. No important veins but for some small ragged grey quartz patches.	2					1		2			None.

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
60.40	66.85		**Pyritic hydrothermal breccia and quartz zone.** Extensive incipient breccia and and shapeless dark grey quartz floods. Much pyrite in blebs, stringers, cubes and irregular masses. **Massive pyrite at 62.65 - 63.05** may be a replacement body similar to the stringers and masses. Scattered traces of chalcopyrite. 1-2 mm angular and rectangular tuffaceous clasts in the bottom metre. At 66.85 m core size is reduced to BQ due to squeezing.	10	0.1						4			
66.85	67.00		50 cm of sand and grey silt, likely fallen from above during the change in core size from NQ to BQ. Also here are some pyrite cubes to 1 cm and fragments of sheared rock.											None.
67.00	71.97		**Pyritic breccia zone.** Greywacke protolith. Little quartz. Pyrite is commonly in stringers parallel with weak wavy shearing. At **67.43 - 68.1 m is massive pyrite, similar to that at 63 m,** with chalcopyrite. Extensive incipient breccia. More sericitic, less silicified than the hydrothermal breccia above.	10	1				3		2			None.
71.97	74.75		**Light grey greywacke.** Blocky, massive. Moderately sericitic as above. Diminished pyrite is disseminated, blebby and cubic.	1					3		1			None.
74.75	81.63		**Altered fault zone. Acid leached rubble and gouge**. Light grey leached breccia and some pyrite cubes. Protolith is rarely clear. Pyrite appears not much. Sericitic. Shattered soft rock all the way. Sericitic breccia protolith is clearer in the more blocky bottom 85 cm.	0.1					4					None.
81.63	82.95		**White vuggy quartz vein.** Has sphalerite blebs and minor chalcopyrite near 82 m but sulphides are spotty.	0.1	0.01	0.1								None.
82.95	84.43		**Lost core**. 15 cm of white vuggy quartz vein. Nothing else but some drill mud.											None.

Depth (m) From	Depth (m) To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
84.43	85.95		**Lost core.** 2 cm of drill mud. Nothing else. The upper and lower blocks are 2 cm apart. It is possible this zone represents a fault zone with extremely fractured soft rubble that got washed away. Alternatively, the above vuggy vein may have had a tendency to shatter and be washed away.											None.
85.95	92.25		**Light grey greywacke**. Blocky, massive. Moderately sericitic, locally green, as at 88 m.. Pyrite is mainly fine, disseminated. A 2 cm piece of white quartz may suggest the above large white quartz vein may extend to here but such evidence is scant indeed.	0.5					3					None.
92.25	111.55		**Locally weakly sheared greywacke breccia**. Medium grey. Light coloured angular lithic fragments and 1 mm sericitized plagioclase phenocrysts are common and may suggest a tuffaceous content. At 94 - 96.7 m is locally abundant rubble and sandy gouge, suggestive of minor faults. Minor scattered irregular grey quartz. Scattered blebby pyrite. At 104.5 - 108.2 m the rock is soft, acid leached, locally intensely fractured though no fault is definitely inticated.	0.5					1					None.
111.55	123.20		**Greywacke with high volcanic component.** Light greenish grey. Homogenous, massive blocky texture. Sericitic. Spotty alteration texture is exibited at 117.1 m, where several small radial growths (flowers) are evident.	0.2				1	4					None.

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
123.20	147.50		**Dark grey greywacke**. Elevated quartz and pyrite. Local fine bedding. Local lighter, greener sections are porphyritic with a relatively minor volcaniclastic component. Weak local foliation 30d tca, parallel with bedding. Local shapeless grey quartz flooding similar to that at 60-66.85 m. Quartz flooding is concentrated somewhat at 126.9 - 129.6 m. Pyrite occurs erratically disseminated, blebby, cubic. Trace galena in a white quartz vein at 136 m. Alteration is erratic and localized. Generally high fracture intensity which is normal in this hole. At 142.65 - 144.8 m is intensely fractured gougy rubble with some quartz. At 146.5 m is a 40 cm white quartz vein with a few pyrite cubes.	1			0.1		1		2			None.
			EOH at 147.50 m.											

Lithology: DDH FC2013 - 09

Depth (metres)			Summary Description	%	%	%	%	Alteration Scale: 1 - 5					
From	To			Py	Cpy	Sph	Gal	Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl	
0.00	2.05		**Rubble and overburden.**										
2.05	3.50		**Black sheared siltstone.**	5									
3.50	22.63		**Grey sheared siltstone and greywacke.**	3	0.01						3		
22.63	44.15		**Altered zone with faults**	0.5				1	3		1		
44.15	60.40		**Medium grey greywacke.**	2					1		2		
60.40	66.85		**Pyritic hydrothermal breccia and qtz zone. 40 cm massive py at 63 m.**	10	0.1						4		
66.85	67.00		**Sand and grey silt, likely fallen from above.**										
67.00	71.97		**Pyritic breccia zone. 67 cm massiv py and cpy at 68 m.**	10	1				3		2		
71.97	74.75		**Light grey greywacke.**	1					3		1		
74.75	81.63		**Altered fault zone.**	0.1					4				
81.63	84.43		**White vuggy quartz vein**	0.1		0.1							
84.43	85.95		**Lost core.**										
85.95	92.25		**Light grey greywacke**	0.5					3				
92.25	111.55		**Weakly sheared greywacke breccia.**	0.5					1				
111.55	123.20		**Greywacke with high volcanic component. Local flower porphyry.**	0.2				1	4				
123.20	147.50		**Dark grey greywacke**	1					1		2		
	EOH												

BARKER MINERALS LTD.

DRILL HOLE No. FC-2013-09

Sample Intervals: DDH FC2013 - 09					
Certificate Number	Sample Number	From (metres)	To (metres)	Description	Sample Width (m)
	17751	0.00	2.83	Overburden	2.83
	17752	2.83	3.52	Strongly pyritiferous arg	0.69
	17753	3.52	5.00	6 cm qtz vein, grey sheared siltstone/greywacke, weakly pyritiferous	1.48
	17754	5.00	6.00	v. Weakly pyritiferous grey sheared siltstone/greywacke	1.00
	17755	6.00	6.71	greywacke; moderate py content, qtz vein 10cm with py	0.71
	17756	6.71	8.00	weakly pyritferous and silicified greywacke	1.29
	17757	8.00	9.00	silicified and pyritiferous arg interbed	1.00
	17758	9.00	10.00	grey sheared siltstone with pyrite & small milky qtz vein	1.00
	17759	10.00	11.00	pyritiferous sheared siltstone w/banded mag/pyrrho/pyrite; oxidized	1.00
	17760	11.00	12.00	banded py in dark-grey-black arg	1.00
	17761	12.00	13.00	pyritiferous greywacke with pyrite in bands	1.00
	17762	13.00	14.00	pyritiferous greywacke with pyrite in bands	1.00
	17763	14.00	15.00	pyritiferous greywacke with pyrite in bands	1.00
	17764	15.00	16.00	pyritiferous greywacke with pyrite in bands	1.00
	17765	16.00	17.00	grey sheared rock with minor py and qtz veinlets, silicification	1.00
	17766	17.00	18.00	weakly pyritiferous sheared grey unit	1.00
	17767	18.00	18.90	pyritiferous (in oxidized magnetic bands) with silicification in grey unit	0.90
	17768	18.90	20.00	sheared greywacke	1.10
	17769	20.00	20.85	sheared greywacke	0.85
	17770			INSERT - PB113	
	17771	20.85	22.10	silicified (qtz veins) and weakly pyritiferous unit	1.25
	17772	22.10	22.70	oxidized py banding & qtz vein in greywacke	0.60
	17773	22.70	23.47	greywacke	0.77
	17774	23.47	23.87	GOLD BEARING MILKY QTZ VEIN? (same as FC11-03)	0.40
	17775	23.87	24.85	oxidized py w/qtz veins in greywacke	0.98
	17776	24.85	26.31	greywacke with weak py	1.46
	17777	26.31	28.00	minor silicification, greywacke	1.69
	17778	28.00	29.50	greywacke with minor py and silicification; sericite?	1.50
	17779	29.50	31.00	fractured, silicified qtz veined greywacke w/sericite?	1.50
	17780	31.00	32.50	greywacke; pale green. Sericite alteration?	1.50
	17781	32.50	34.00	greywacke, pale green, weak py	1.50
	17782	34.00	34.80	pale green greywacke, weak py	0.80
	17783	34.80	34.98	milky qtz vein	0.18
	17784	34.98	36.50	greywacke; sericitized, visible angular grains	1.52
	17785	36.50	38.00	greywacke with minor py, sericitization, fractured	1.50
	17786	38.00	38.71	hihgly fractured silicifed greywacke	0.71
	17787	38.71	40.23	gouge; block to block	1.52
	17788	40.23	41.41	gouge/highlyfractured	1.18
	17789	41.41	43.00	sheared, fractured greywacke w/ minor gouge	1.59

	17790	43.00	44.11	greywacke with 40cm gouge w/py and cr-mica	1.11
	17791			INSERT - PB114	
	17792	44.11	45.50	greywacke, minor py, cr-mica	1.39
	17793	45.50	46.53	greywacke w/cr-mica, py, minor gouge	1.03
	17794	46.53	46.83	py banding in greywacke	0.30
	17795	46.83	48.17	greywacke, locally pyritiferous and silicified	1.34
	17796	48.17	49.08	greywacke locally silicified	0.91
	17797	49.08	50.50	weakly silicified greywacke	1.42
	17798	50.50	52.00	greywacke	1.50
	17799	52.00	52.98	pale green greywacke	0.98
	17800	52.98	54.50	sheared, silicified weakly brecciated greywacke	1.52
	17801	54.50	56.00	larger brecciated elongate clasts	1.50
	17802	56.00	57.50	greywacke, elongate larger clasts, breccia, lapilli?	1.50
	17803	57.50	59.00	greywacke w/large elongate clasts, breccia	1.50
	17804	59.00	60.45	greywacke w/elongate brecciated clasts, lapilli	1.45
	17805	60.45	61.50	unit is brecciated and moderately silicified, minor py	1.05
	17806	61.50	62.20	silicified, brecciated unit, minor py	0.70
	17807	62.20	62.60	pyritiferous before semi-massive py	0.40
	17808	62.60	63.20	MASSIVE SULPHIDE	0.60
	17809	63.20	64.00	very pyritiferous argillite, big blebs and bands, arsenic highs on XRF	0.80
	17810	64.00	64.62	arsenic highs on XRF	0.62
	17811			INSERT - PB115	
	17812	64.62	66.00	brecciated pyritiferous argillite, silicified	1.38
	17813	66.00	66.86	brecciated pyritiferous argillite, silicified	0.86
	17814	66.86	67.00	wash, reduced, lots of gouge/sludge	0.14
	17815	67.00	67.50	pyritiferous/brecciated silicifed just before massive-sulphide	0.50
	17816	67.50	68.14	MASSIVE SULPHIDE	0.64
	17817	68.14	69.00	brecciated rock below ms with moderate py	0.86
	17818	69.00	70.00	brecciated rock below ms with py	1.00
	17819	70.00	71.00	very brecciated rock, pyritiferous with lots of clasts	1.00
	17820	71.00	72.50	very brecciated rock with lots of clasts	1.50
	17821	72.50	74.00	greywacke, little py	1.50
	17822	74.00	74.78	greywacke	0.78
	17823	74.78	76.00	fractured and gouge	1.22
	17824	76.00	77.50	approximate in gouge	1.50
	17825	77.50	79.00	shattered soft gougen rock	1.50
	19026	79.00	80.50	rubble and gouge	1.50
	19027	80.50	81.67	brecciated fractured greywacke with qtz grains	1.17
	19028	81.67	82.13	entire milky qtz vein - grades into vein in first 15cm	0.46
	19029	82.13	87.45	silicified greywacke with qtz vein, very fractured	5.32
	19030	87.45	89.00	greywacke with sericite alteration	1.55

	19031			INSERT - PM451	
	19032	89.00	90.53	highly fractured greywacke	1.53
	19033	90.53	92.05	greywacke, highly fractured	1.52
	19034	92.05	93.57	highly fractured greywacke; with minor zone of sericitic alteration	1.52
	19035	93.57	95.10	highly fractured greywacke	1.53
	19036	95.10	96.62	fractured/gougen/leached hostrock	1.52
	19037	96.62	98.15	brecciated elongate clasts dark grey matrix	1.53
	19038	98.15	99.67	greywacke with apparent argillite laminations	1.52
	19039	99.67	101.19	greywacke with moderate gougen texture; interbedded with argillite	1.52
	19040	101.19	102.72	greywacke with argillite, fractured	1.53
	19041	102.72	104.24	highly fractured greywacke with argillite interbeds	1.52
	19042	104.24	105.77	leached greywacke interbed with graphitic argillite	1.53
	19043	105.77	107.29	all gougen/fractured greywacke, highly leached, gougen ibd with arg	1.52
	19044	107.29	108.40	very gougen, fractured argillite	1.11
	19045	108.40	108.98	black arg with py and qtz stringers	0.58
	19046	108.98	109.33	sericitic greywacke, pale green ibd	0.35
	19047	109.33	110.50	black arg , qtz stringers, weak py	1.17
	19048	110.50	111.55	qtz veined, weak py, black arg	1.05
	19049	111.55	112.53	green sericitized greywacke	0.98
	19050	112.53	114.06	leached fractured gouged greywacke ibd w/black arg	1.53
	87650	114.06	115.00	lgrey-pale green sericitic rock with qtz eyes and alteration spots (greywacke?)	0.94
	87651			INSERT - 'BLANK' BB-12-09 66.41-67.25M LGREY WEAKLY FOLIATED UNIT	
	87652	115.00	115.78	lgrey-green sericitic rock with qtz eyes and alt spots, cg (greywacke?)	0.78
	87653	115.78	117.20	pale green sericitic muscovite rock with angular alt spots, lesser qtz eyes, cg	1.42
	87654	117.20	117.56	pale green grey rock with dark prominent qtz eyes, dark bands, cg	0.36
	87655	117.56	117.96	silicified, dark grey black unit (altered arg) with alt. Spots	0.40
	87656	117.96	118.90	darker grey unit, some pale green, w/qtz eyes, fractured	0.94
	87657	118.90	120.00	lighter-grey pale green unit; coarse grained w/qtz eyes, alt-spots	1.10
	87658	120.00	121.01	same as above, qtz eyes, alt spots, cr-mica, c.g. Pale green-grey	1.01
	87659	121.01	121.93	fractured, gouge grey unit, m.g. With coarse alteration spots	0.92
	87660	121.93	123.20	unit interbedded with black argillite, grains much smaller, less green (qtz eyes), alt. Spots	1.27
	87661	123.20	124.50	qtz-veined silicified, wavy, weakly py argillite, alt spots	1.30
	87662	124.50	126.00	qtz veined, silicified. Wavy, weakly py, argillite with sericitization areas, cr-mica	1.50
	87663	126.00	127.52	qtz veined, silicified, weakly pyritiferous argillite, wavy, alt spots w/ibd of ser	1.52
	87664	127.52	129.00	silicified, strongly qtz veined, strong sericitization	1.48
	87665	129.00	130.00	silicified, strongly qtz veined, strong sericitization	1.00
	87666	130.00	131.23	strongly sericitized, weak qtz veining	1.23
	87667	131.23	132.50	silicified argllite, dark grey unit, ibd, mix?	1.27
	87668	132.50	133.66	dark grey; qtz eyes are visible, laminated w/argillite	1.16
	87669	133.66	135.00	pale green sericitic with muscovite with cr-mica, some py	1.34
	87670	135.00	136.25	pale green unit is becoming fractured, more leached, galena vein in qtz gouge	1.25

	87671			INSERT - 'BLANK' BB-12-09 92.05-92.65M LAMINATED CARBONACEOUS WEAKLY CALCAREOUS SHALE	
	87672	136.25	137.77	gouged, qtz veins, grey and green; block-block	1.52
	87673	137.77	139.00	grey, fractured at beginning, little amount of small qtz eyes	1.23
	87674	139.00	139.65	grey unit as above	0.65
	87675	139.65	140.82	gougen, grey and argillite; highly fractured	1.17
	87676	140.82	142.34	black, fractured, gougen argillite with qtz veins	1.52
	87677	142.34	143.87	qtz veined and fractured, gougen argillite, weakly py	1.53
	87678	143.87	144.40	highly fractured unit with gouge, mostly black	0.53
	87679	144.40	146.00	weakly sericitic; highly qtz veined; weak py in grey-black unit	1.60
	87680	146.00	147.45	grey-black arg with qtz veins, weak sericite	1.45

BARKER MINERALS LTD.

DRILL HOLE NO. FC-2013-10

Dip & Azimuth Tests			DDH FC-2013-10	Easting (NAD 83): 0610630	Core Size: NQ, BQ	Started: July 2 , 2013
Depth	Dip	Azmth	Other tests	Northing (NAD 83): 5845889	Hole Azimuth: 70°	Finished: July 16, 2013
				Grid Location: 10U	Hole Angle: -60°	Logged by: J. Logan; R.Turna
				Elevation: 1048m	Total Depth: 128.63 m	Analysis by: ACTLABS
						Drilling by: Barker Minerals

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
			Purpose of hole is to: follow up on low resistivity anomaly @ 30-250m depth at the eastern side between lines 58-59N. Expected to hit core of deposit @ 100m depth											
0.00	2.00		**Overburden**								2			NO/NO
			light grey boulder and argillite fragments. Fractured.											
2.13	27.11		**Black graphitic argillite**	tr	tr						2			NO reaction to acid.
			locally and weakly oxidized.											NO magnetism.
			graphite and muscovite on fracture surfaces. Highly fractured to to approx. 9.75 but more blocky/massive. From 9.75-27.11 - fissile along foliation/consistent plane (likely primary structure - i.e. Bedding).											
			Foliation and fracturing is reoccuring parallel at approximately 50-60 degrees to core axis. Foliation can be locally wavy and crenulated											
			Minor and local quartz stringers/veinlet. One quartz vein had very small (1mm) bleb w/bornite											
			Presence of pyrte is local and spotted; trace.											
			Presence of clasts are minor - little/trace evidence of tuffaceous input.											
			No reaction with acid and no magnetism.											
27.11	57.94		**Light grey-green Qtz-Musc-Sericite altered felsic Volcaniclastic**	tr		tr	tr	2	3	2	3			Magnetism strong on trace pyrrhotite blebs ONLY

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
			Possibly siltstone or greywacke/volcaniclastic. Unit is predominantly competent and fine-grained. Existence of angular clasts or phenocrysts is minimal; some rounded and elongate clasts are present but minimal and local											Acid reaction only with qtz-carbonate/calcite breccia veins - NOT with host rock matrix.
			Unit is light grey when dry; light green when wet. Minor oxidation on fracture surfaces common throughout unit.											
			Contact with above unit until 30.30m is highly oxidized, silicified, fractured, and contains qtz vein breccia											
			Entire unit is light-green when wetted, shows muscovite sheen on surface, and is hard to scratch = qtz-muscovite-sericite alteration											
			Unit is competent and fractures along structure consistent with foliation in above unit at an average of 50 degrees to the core-axis (but foliation is locally wavy/crenulated to 90 degrees to core-axis). Unit is silicified and contains multiple breciated quartz and qtz-carb veins and veinlets along bedding plane.											
			Brecciated quartz, quartz-carb veins/veinlets are host to pyrrhotite (magnetic)											
			Zones of intense sericitization @ 41.76-43.51m ad 44.50-46.33m - fuschite is common in elongate blebs strung along foliation. Appearance of faded feldspar phenocrysts (?) upon close inspection of this zone.											
			Blebs of galena and sphalerite found with each other between 47.00-49.10; galena blebs are mm's in size but up to 1.5cm; sphalerite blebs are mm's in size. Blebs found in association with vein breccia only.											

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
			There are what seem to be black or dark-grey laminations/beds intercalated throughout unit (argillite?)											
			JUSTIFICATION - sericite/muscovite in core scratch white and not green (so not chlorite therefore rock does not have a predominant mafic constituent). Sericite is an alteration mineral of orthoclase (k-feldspar) of plag-feldspar (constituent of felsic igneous rock). Can see phenocrysts in intensely sericitized zone. Intercalations of black laminations suggest a syndeposition with argillite and perhaps local wavy structure and brecciation represent slumping and sediment movement.											
57.94	73.96		**Black - weakly pyritiferous - argillite**	0.1				tr			3			NO magnetism
			Contact with above unit is fractured, interacalated, quartz veined, brecciated, and contains pyrite blebs											Only intercalations of sericitic volcaniclastic with qtz-carb vein breccia exhibit fizzing.
			Intercalations of sericitic volcaniclastic (above unit) exist until 63.46m: 58.85-59.03, 61.98-62.10, 62.58-63.46 (contains vein breccia, large clasts, one is vuggy). Contacts are sharp/well defined. Intercalations are softer/less siliceous than above qtz-musc-ser unit											
			This unit is notably more pyritiferous than previous units. Pyrite stringers and blebs often coexist with white quartz stringers. Quartz stringers are common, but vein-sized quartz is minor.											
			Fracture surfaces are very graphitic, but unit is predominantly silicified (difficult to scratch).											

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
			Argillite at 63.66-63.99 is incompetent (almost gouge), very black and crumbly texure but still maintains original structure.											
			Quartz veining, brecciation with visible clasts, and variable/crenulated wavy laminations exist between 71.60-73.45m											
			57.83-60m - large blebby patch of pyrite and white milky quartz. Not bound by structure.											
			64.95-65.35 - pyritiferous argillite where fg pyrite follows the varying wavy/perpendicular lamination structure											
			Reoccuring foliation @62.00-63.48m at 40-50 degrees to core axis											
			SWITCH TO BQ @ 60.48											
73.96	75.39		**Altered light grey-green sericite-muscovite altered volcanic/clastic**	0.05					3	2	2			No magnetism
			Sharp contact with above argillite unit. Unit does have spotty grains; could be remnant of porphyritic texture, volcanclastic clasts, or alteration spots?											Acid reacts on qtz-carb vein breccia and stringers
			Unit is weakly pyritiferous (finely dissemeninated) and has quartz-carb vein breccia and stringers											
			Small interbed of argillite @ 75.13-75.20 with well defined/sharp contacts											
75.39	78.49		**Black graphitic argillite**	tr							3			
			Contact with unit above is fractured with gouge/incompetent core @ 75.40-74.50.											No magnetism
			Argillite unit is hard (siliceous) and has no definitive foliation direction. Very graphitic on fracture face. Locally wavy and brecciated.											No reaction to acid
			Interbed of above ser-musc unit with a sharp contact @ 77.50-77.80.											

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
78.49	79.79		**Altered light grey-green sericite-muscovite altered volcanic(clastic)**	1					3	2	2			No magnetism
			Contacts at start and end are bound by quartz-carb vein.											Reaction w/qtz-carb veins and local calcite stringers
			Unit is weakly pyritiferous (finely disseminated and as blebs) with minor qtz-carb veining and unit does have spotty grains; could be remnant of porphyritic texture, volcanclastic clasts, or alteration spots?											
79.79	89.21		**Black graphitic argillite**	0.01							4			No reaction
			locally fractured, locally very siliceous where unit is very difficult to scratch											No reaction
			Zones of intensive fracture - 81.60-82.00m, 83.05-85.09m											
			87.00-87.38 and @ 88.25m - very fg white angular shards; tuffaceous input? Fossils?											
89.21	95.55		**Light grey-green muscovite-sericite volcanic(lastic)**	tr				tr	2	2	2			
			Contact with unit above and unit below is veined with fizzing qtz-carb											Rock matrix has predominantly weak-very weak fizzing
			Unit very weakly fizzes in matrix throughout. Unit has common qtz-carb veins											Qtz-carb veins and calcite stringers fizz strongly
			Sericite not as prevalent as prior unit and wanes at approx. 93.35m. Unit is fairly competent with only minor fracturing											Local and very weak magnetism with rare and v.fg disseminated pyrrhotite
			Trace cr-mica and trace pyrite.											
			Unit exhibits a general lamination/foliation direction at approximately 93.80m - 45 degrees to core axis											

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
95.55	106.71		**Black graphitic argillite (highly fractured)**	tr							3			
			Highly fractured, very graphitic, graphitic on fracture face. Writes on paper.											local on interbedded lgrey-green unit; both minor fizzing qtz-carb veins and trace pyrrhotite
			unit has localized gougen texture. Unit has weak qtz stringers and veining, local.											
			Band of cg pyrite with qtz 2cm thick @99.77m, stringers of py following local wavy lamination/foliation @ 100.15m. Reoccuring foliation angle between 40-50degrees to core axis											
			Unit has an interbed of foliated/laminated soft (easily scratched) light grey-green unit from 100.10-101.03m. Small local tr belbs of py and pyrrhotite and qtz carb breccia veins; white speckles.											
			Argillite unit is highly fractured from 96.92-98.20m(approx), 98.80-99.53(approx), 101.19-103.79m. Rock is fissile from 103.79-105.00m with fissility along plane @ 45degrees approx to core axis. Fractured until lower contact at 106.71.											
			Gougen texture @ 99.48-99.53, 101.80-101.90, 104.78-104.82, 105.22-102.26											
			Trace pyrite as blebs or as stringers along foliation plane.											
			silicification is moderate throughout and very strong from 105.35-105.88 (can see as water will bead on this area when wet); is weakly magnetic (pyrrhotite is finely dissem) has blebs of py, qtz vein breccia shards, bands of sericite.											
106.71	121.00		**Light-grey green qtz-ser-muscovite volcanic(lastic)**	tr					3	2	3			

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
			contact with above unit is fractured											Weak, rare, local magnetism from finely disseminated pyrrhotite
			Unit has foliation, appearing as laminations locally											fizzing found locally and on qtz-carb brecciated veins
			unit is locally fractured, 109-110.34 being the most fractured length											
			alteration within unit is not consistent/pervasive with areas of intense sericitization and silification. Areas of intense silification are noticeable as they bead water when wet.											
			Approximately 113.05-113.14, 113-end of box the matrix fizzes (abundant calcite stringers)											
			qtz-carb breccia veining prevalent throughout unit.											
			Pyrite is found as trace as blebs											
			At 108.29-108.66, unit appears to be cg, with sub-angular clasts up to a few mm's in size. Both white and dark grain. Perhaps these white 'grains' are alteration spots? Feldspar? Tuff? Also found elsewhere locally in unit (e.g. 111.53 and 113.36m)											
			Unit is interbedded with argillite (as above) at 112.34-112.89m and at 113.14-113.32m											
			Very large intensely silificed qtz-carb breccia w/sericite clasts(?) from 113.95-114.33m, fizzes											
			From 113 m - 121 m the greenish volcaniclastic component is more dominant, with little dark grey argillite. Minor local breccia is evident at 121.00 m.											
121.00	128.63		**Dark-grey and greenish rubble and gouge. Fault?**	tr					3	2				

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
			Very poor core recovery in very poor quality rock. Local intense shearing, as throughout the hole. This interval has more rubble and gouge than rock. Fractures, rubble and gouge become more intense below 122 m. From 128.0 m to EOH is whitish bleached gouge, sticky when damp. This bottom gouge likely represents a fault.											No reactions to magnets. Minor local fizzing at dirmembered carbonate veinlets and blebs.
			Lithologies here are as above, interbedded sericitized green volcaniclastic and dark grey graphitic argillite.											
			Patchy irreggular pervasive sericitic alteration occurs extensively though gouge here masks much. Minor irregularly disseminated fine pyrite.											
			End of Hole at 128.63 m.											

Lithology: DDH FC2013 - 10

Depth (metres)			Summary Description	%	%	%	%	Alteration Scale: 1 - 5					
From	To			Py	Cpy	Sph	Gal	Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl	
0.00	2.00		**Overburden**								2		
2.13	27.11		**Black graphitic argillite**	tr	tr						2		
27.11	57.94		**Light grey-green Qtz-Musc-Sericite altered felsic Volcaniclastic**	tr		tr	tr	2	3	2	3		
57.94	73.96		**Black - weakly pyritiferous - argillite**	0.05				tr			3		
73.96	75.39		**Altered light grey-green sericite-muscovite altered volcanic/clastic**	0.01					3	2	2		
75.39	78.49		**Black graphitic argillite**	0.01							3		
78.49	79.79		**Altered light grey-green sericite-muscovite altered volcanic(clastic)**	0.05					3	2	2		
79.79	89.21		**Black graphitic argillite**	0.01							4		
89.21	95.55		**Light grey-green muscovite-sericite volcanic(lastic)**	tr				tr	2	2	2		
95.55	106.71		**Black graphitic argillite (highly fractured)**	tr							3		
106.71	121.00		**Light-grey green qtz-ser-muscovite volcanic(lastic)**	tr					3	2	3		
121.00	128.63		**Dark-grey and greenish rubble and gouge. Fault?**	tr					3	2			
			EOH										

BARKER MINERALS LTD.

DRILL HOLE No. FC-2013-10

FC13-10					
Certificate Number	Sample Number	From (metres)	To (metres)	Description	Sample Width (m)
	88801			INSERT - PM451	
	88802	0.00	2.13	oxidized ovg, bleached, argillite, poor recovery.	2.13
	88803	2.13	3.66	oxidized ovg, argillite, poor recovery	1.53
	88804	3.66	5.18	fractured, oxidized argillite; some gouge	1.52
	88805	5.18	6.71	fractured, oxidized argillite; some gouge	1.53
	88806	6.71	8.23	fractured, oxidized argillite	1.52
	88807	8.23	9.75	black argillite; fractured, weakly oxidized	1.52
	88808	9.75	11.28	poor recovery, argillite, fractured, oxidized	1.53
	88809	11.28	12.80	fissile, fractured, oxidized arg, w/rusty qtz vein	1.52
	88810	12.80	14.33	fissile, fractured, weakly oxidized arg, w/rusty qtz vein	1.53
	88811	14.33	15.55	fissile graphitic arg	1.22
	88812	15.55	17.00	fissile argillite, weakly pyritiferous	1.45
	88813	17.00	18.50	fissile argilltie, weak qtz stringers, weak oxidized py	1.50
	88814	18.50	20.00	fractured argillite, some py	1.50
	88815	20.00	21.50	more massive arg, wavy foliation, some loss of recovery	1.50
	88816	21.50	23.00	lots of recovery (approx 30cm); massive, pyritic argillite	1.50
	88817	23.00	24.50	fractured, pyritiferous, massive argillite w/vein breccia, texture, and py	1.50
	88818	24.50	27.11	poor recovery, fractured, weakly pyritiferous argillite	2.61
	88819	27.11	28.04	new unit; light grey, bleached, massive silicified and oxidized	0.93
	88820	28.04	29.57	new unit; light grey, oxidized, fractured. Qtz carb veined, silicified	1.53
	88821			INSERT - PB115	
	88822	29.57	31.00	oxidized, fractured, silicified, veined, light grey unit	1.43
	88823	31.00	32.50	pale green/grey weakly oxidized less fractured, massive, silicified	1.50
	88824	32.50	34.00	lgrey-green unit, qtz-carb veining	1.50
	88825	34.00	35.50	massive, qtz carb veining; small oxidized alteration, ankerite?	1.50
	88826	35.50	36.08	oxidized alteration, ankerite on lgrey unit, qtz carb and fizzing	0.58
	88827	36.08	37.50	lgreen grey unit with qtz carb veins and pyrrhotite	1.42
	88828	37.50	39.00	lgrey green with qtz veins, pyrrhotite	1.50
	88829	39.00	40.50	same as above; lgrey unit with pyrhotite and qtz veins	1.50
	88830	40.50	42.00	as above, slight oxidation	1.50
	88831	42.00	43.50	as above, slight oxidation on lgrey-green unit	1.50
	88832	43.50	45.00	lgrey green unit; qtz-carb veined, minor oxidation	1.50
	88833	45.00	46.39	slightly oxidized, qtz-carb with pyrrhotite, lgrey-green unit	1.39
	88834	46.39	46.74	oxidized veins and clay minerals in veins, also oxidzed	0.35
	88835	46.74	47.45	small vein with oxidized clay, some clasts, lgreen-grey unit; small galena bleb	0.71
	88836	47.45	47.85	lgreen-grey w/qtz veins, w/galena blebs	0.40
	88837	47.85	48.90	green grey unit, sheared w/qtz carb tr sphalerite	1.05
	88838	48.90	49.59	vein breccia; w/sphalerite galena, fizzes. Oxidized ankerite	0.69
	88839	49.59	50.00	contains oxidized clay minerals in vein, some gouge, fizzing, vein breccia	0.41

	88840	50.00	51.50	lgrey-green unit with fizzing qtz carb veins and breccia	1.50
	88841			INSERT - PB114	
	88842	51.50	53.00	as above, fizzing qtz carb veins lgrey-green unit	1.50
	88843	53.00	54.50	lgreen-grey w/vbx clasts	1.50
	88844	54.50	56.00	qtz-carb veined green unit	1.50
	88845	56.00	57.00	green unit with qtz-carb veins	1.00
	88846	57.00	57.95	grey-green unit with qtz-carb veins	0.95
	88847	57.95	59.05	contact large qtz veins, black argillite with some laminations of green, some py	1.10
	88848	59.05	59.75	wavy-fractured black argillite	0.70
	88849	59.75	60.05	large pyrite and qtz blebs in arg	0.30
	88850	60.05	61.50	black argillite with small interbeds/lams of alt (green unit) weak py, 10cm qtz vein	1.45
	88851	61.50	62.58	as above, black argillite with small altered green interbed, weak py	1.08
	88852	62.58	63.47	leached altered rock with vbx qtz. Vuggy qtz, trace py	0.89
	88853	63.47	64.83	fractured, w/weak gouge, wavy black arg, weak py	1.36
	88854	64.83	65.35	black wavy argillite with few % py along wavy foliation	0.52
	88855	65.35	66.50	wavy black argillite, minor py	1.15
	88856	66.50	68.00	wavy argillite, minor py	1.50
	88857	68.00	69.50	wavy argillite with py, large py blebs	1.50
	88858	69.50	71.00	wavy argillite, minor py and qtz	1.50
	88859	71.00	72.50	wavy argillite, becoming more brecciated, silicified	1.50
	88860	72.50	74.00	brecciated, wavy black argillite	1.50
	88861			INSERT - PB113	
	88862	74.00	75.29	wavy green/grey unit leached, minor dissem py, strong fizz on veins	1.29
	88863	75.29	76.50	brecciated, silicified argillite, contact and fractured, gouged	1.21
	88864	76.50	77.50	wavy brecciated black argillite	1.00
	88865	77.50	77.80	green altered unit	0.30
	88866	77.80	78.48	wavy black argillite, with qtz vein, py	0.68
	88867	78.48	79.78	altered green unit, fizzes, wavy with py	1.30
	88868	79.78	81.00	wavy black argillite with py	1.22
	88869	81.00	82.50	highly fractured graphitic argillite with dissem py	1.50
	88870	82.50	85.10	highly fracutred argillite with recovery loss	2.60
	88871	85.10	86.50	black wavy graphitic argillite with minor py, siliceous	1.40
	88872	86.50	88.00	black graphitic argillite, wavy, white shards, minor/weak py	1.50
	88873	88.00	89.20	wavy silicified black argillite, trace py	1.20
	88874	89.20	90.50	green altered unit with py, fizzes; qtz carb\	1.30
	88875	90.50	92.00	as above, green altered, fizzing, disseminated py, qtz-carb veins	1.50
	88876	92.00	93.50	as above with 10cm ibd of black argillite in green altered unit	1.50
	88877	93.50	94.50	strongly fizzing qtz carb veins, altered foliated, lgrey green unit	1.00
	88878	94.50	95.52	as above, fizzing qtz-carb veins, and lgrey-green unit	1.02
	88879	95.52	96.92	black wavy argillite, weak py, silicified,	1.40
	88880	96.92	98.15	highly fractured very graphitic black argillite	1.23
	88881			INSERT - 'BLANK' BB12-09 95.20-95.62M CARBONACEOUS LIMESTONE/CALCAREOUS CARBONACEOUS SHALE	

	88882	98.15	99.50	black fractured argillite	1.35
	88883	99.50	100.10	black argillite with qtz vein and pyrite in tandem, qtz veins; wavy	0.60
	88884	100.10	101.04	green unit, weakly mag, fizzes, darker and less altered	0.94
	88885	101.04	102.72	fractured, gougen black argillite	1.68
	88886	102.72	104.24	highly fractured black argillite; weak gouge	1.52
	88887	104.24	105.77	highly fractured argillite, some gouge black argillite	1.53
	88888	105.77	106.59	fractured broken black argillite	0.82
	88889	106.59	108.00	green altered unit	1.41
	88890	108.00	109.50	silicified green altered unit	1.50
	88891	109.50	111.00	silicified green unit, qtz carb veins	1.50
	88892	111.00	112.30	green unit, qtz carb veins, silicified	1.30
	88893	112.30	112.90	small argillite interbed	0.60
	88894	112.90	113.73	green unit laminated with argillite	0.83
	88895	113.73	113.32	large vein breccia in green unit	-0.41
	88896	113.32	115.50	green unit, small 10cm ibd of argillite	2.18
	88897	115.50	117.00	green altered unit, qtz veins	1.50
	88898	117.00	118.50	green unit with qtz	1.50
	88899	118.50	120.00	green unit with qtz	1.50
	88900	120.00	121.25	green unit, midly fractured, with qtz veinlets	1.25
	88901			INSERT - 'BLANK' BB12-09 99.02-99.54 LGREY LIMEY SHALE/MUDSTONE WEAKLY LAMINATED	
	88902	121.25	122.53	black gouge, some qtz	1.28
	88903	122.53	124.05	highly fractured, black gouge, green unit + qtz	1.52
	88904	124.05	125.58	very fractured black argillite, gouge green unit	1.53
	88905	125.58	127.10	black argillite, very fractured, highly gouged	1.52
	88906	127.10	128.63	very fractured black argillite with green gouge, some qtz	1.53

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BARKER MINERALS LTD.

DRILL HOLE NO. FC2013 - 11

Dip & Azimuth Tests			DDH FC-2013-11	Easting (NAD 83): 0610630	Core Size: NQ	Started: July 18 , 2013
Depth	Dip	Azmth	Other tests	Northing (NAD 83): 5845889	Hole Azimuth: 250°	Finished: July 19 2013
				Grid Location: 10 U	Hole Angle: -60°	Logged by: R.Turna
				Elevation: 1048m	Total Depth: 26.85 m	Analysis by:
						Drilling by: Barker Minerals

Depth (m)								Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong)						
From	To		Description	% Py	% Cpy	% Sph	% Gal	Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
			Purpose of hole is to: verify the dip orientation of the stratigraphy.											
0.00	1.22		**Casing. No core recovered.**											
1.22	26.85		**Dark grey graphitic argillite.** Fairly intensely fractured. Foliation intensity varies and orientation is irregular, mainly at an acute angle to the core azis, is generally 20d-30d to core axis, locally less or almost parallel. Weak local compositional layering follows the foliation. Many small vugs throughout parallel the foliation, these may be rotted out calcite, though the rock is not calcareous. Graphitic throughout, writes poorly on paper. Very weak pervasive silicification, otherwise not altered. Rare quartz veinlets up to 1 cm. 1.22 m - 2.3 m is rubble. Trace, very fine irregularly disseminated pyrite. At 26.2 - 26.85 m is rubble, a 1 cm quartz vein and local black sticky gouge (possible fault).	tr							1			NO reaction to acid. NO magnetism.
			End of Hole.											

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BARKER MINERALS LTD.

DRILL HOLE NO. FC-2013 - 12

Dip & Azimuth Tests			DDH FC2013-12	Easting (NAD 83): 0610525	Core Size: NQ, BQ	Started: July 22 , 2013
Depth	Dip	Azmth	Other tests	Northing (NAD 83): 5845882	Hole Azimuth: 68°	Finished: August, 2013
				Grid Location: 10 U	Hole Angle: -60°	Logged by: R.Turna/J.Logan
				Elevation: 1029m	Total Depth: 128.73 m	Analysis by:
						Drilling by: Barker Minerals

Depth (m)								Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong)						
From	To		Description	% Py	% Cpy	% Sph	% Gal	Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
			Purpose of hole is to extend the drill fence westward from original target (FC-11-10); a low resistivity anomaly (conductor) to the east on Line 59											
0.00	2.13		Casing. No core or rock recovered.											
2.13	5.25		**Overburden**. 1.6 m of rounded stones - silicified quartz-muscovite schist, gabbro, rusty soil.											
5.25	6.70		**Silicified quartz- muscovite schist**. Strongly foliated perpendicular to core axis. Strong competent rock. 4 cm quartz vein at 6.60 m.								4			
6.70	25.20		**Dark grey argillite rubble**. Foliated approximately 20 d to core axix but not sheared. Weakly silicified dark siltstone and argillite. Pyrite occurs erratically with numerous small irregular quartz veinlets.	0.2							1			No reaction to magnet or acid.
25.20	43.28		Extremely poor core recovery. Possible fault. Approximately 70% well sorted dark grey sand. The sand , evidently intensively worked by the drill, derives from pulverized argillie, some probably fallen from above. The sand sparkles with pyrite. The upper and lower portion of the overall interval is black, somewhat graphitic argillite, very fragile, brecciated, sheared with many irregular quartz stringers. The middle portion, 33.8 - 36 m, is silicified siltstone. Overall, pyrite is very irregular, blebby, cubic and irregularly disseminated.	1							1			No reaction to magnet or acid, though the sand is locally weakly magnetic.

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
43.28	51.00		Similar to above. 20% well sorted sand, Last sand interval, 40 cm, ends at 51.0 m. Remainder is rubble with minor scattered gouge. Rock consists of very weak dark grey silicified siltstone and black graphitic argillite, all brecciated. Rock quality and core recovery are extremely poor.	0.2							1			No reaction to magnet or acid, though the sand is locally weakly magnetic.
51.00	52.60		**Black graphitic argillite**. A sheared breccia, typical of the hole. Shearing and compositional layering are 85d to core axis (tca) at 52.0 m, typical. Pyrite is irregularly blebby, cubic and irregularly disseminated. Lower contact, against silicified rock, is abrupt, 10d tca. Some Fe carbonate breccia fragments.	1										No reaction to magnet or acid.
52.60	58.00		**Grey silicified zone**. Core is more intact. Protolith appears to be the same brecciated sheared argillite as above. Compositional layering is less clear. Not graphitic here. There are several grey irregular quartz veins here, likely associated with the silicification. Scattered Fe carbonate vein fragments. Pyrite is the same as above. Lower contact, related to diminishing silicification, is gradational.	1							3			No reaction to magnet or acid.
58.00	79.33		**Black graphitic argillite**. Sheared breccia, typical. Same as at 52 m. Pyritic. A few qtz and carbonate vein fragments.	0.5							2			No reaction to magnet or acid.
			Unit is very graphitic, quite fractured and broken (predominantly along foliation planes).											
			Milky quartz veins of up to approx. 5cm in length are scattered throughout unit in weak-moderate abundance. These veins are occasionally associated with pyrite blebs.											
			Strong gouge texture (zero competency - black sludge) at 63.54-64.62m											

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
79.33	86.55		**L.Grey-Green unit (Volcaniclastic?)**	0.1				1	2		2			Fizzes locally on qtz-carb stringers, veins, and clasts
			This unit is similar in appearance to the 'silicified zone' and exhibits a sheared breccia texture typical to the hole											No magnetism
			Contact with above argillite unit is sharp; unit is moderately fractured.											
			Rock has a green-tinge (evident when wet) and rock is easily scratched (not overly silicified). Alteration spots are local as are elongate sheared clasts. has sericite (an alteration from feldspar), cr-mica, laminations of arg, carbonate that fizzes exists in this unit, unit is softer than argillite.											
			Interbed of black gougen-textured and fractured argillite @ 80.48-81.02m. Argillite also seems to appear as fine laminations intermittently.											
			Unit is weakly pyritiferous from 79.33-80.48m; pyrite is very fine and disseminated (.5%?)											
			Trace cr-mica and little pyrite in remainder of unit. Pyrite found is recrystallized in larger grains											
			Gougen texture @ 85.47-85.54m											
			Qtz-carbonate veins, stringers, and brecciated clasts exist in unit and fizz when exposed to acid.											
86.55	92.47		**Black graphitic argillite**	0.5							2			No fizz
			weakly pyritiferous, sheared and brecciated, and locally fractured/gouged											No magnetism
			Pyrite exists as disseminated mineralization and as larger elongate blebs parallel to shear stress. Pyrite found with blebs of qtz											
			fracture planes/shear planes @ 65-75 degrees to core axis. Laminations are locally wavey											
			Contact with above unit is gougen and contact below is gougen and fractured.											

								Alteration Scale: 1 - 5 v. weak/weak/moderate/strong/v.strong						
Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
			Gouge @ 94.98m (2cm); @88.00m (8cm), @upper contact (1cm)											
92.47	99.42		L.grey (very weak pale green-grey when wet) unit	tr			tr		2		2			No fizz
			Pyrite is very local and minimal, unit is laminated along similar shear plane as above unit											No magnetism
			brecciated qtz veins exist locally. Unit is laminated and interbeddedwith graphitic argillite											
			(possible altered/leached rock in circulation cell? Volcanic?)											
			unit is locally vuggy; brecciated qtz-ankerite(?) vein @ 98.67 - is vuggy and oxidized red											
			interbeds of highly fractured black argillite @ 95.10-96.02 with fractured qtz vein that contains blebs of GALENA											
			interbeds of black argillite also @97.70-98.02											
			gouge texture @ 93.08 (3cm); 93.81 (6cm); 94.51 (3cm); 96.31 (7cm); 96.79 (9cm)											
99.42	103.10		**Graphitic black argillite**	0.5					1		3			
			minorly interbedded/laminated with light-grey green altered unit @ 99.60-99.64; @100.76-101.25; @ 101.43-101.62											
			Unit is locally quartz veined and silicified; highly silicified and qtz veined btwn 101.70-102.79m, w/cloudy qtz veins. Vein between 102.00-12.14 is peppered with fg pyrite grains											
			unit has local and scattered blebs of pyrite.											
			unit is highly fractured from 99.42-100.72; 101.38-102.30m											
			gougen texture @ 99.51-99.56; @99.92-99.96; 102.90-103.00											
			upper/lower contact is fractured and gougen											
103.10	111.50		**L.green (when wet)-grey altered unit**	0.2					2		2			No fizz

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
			still has shear planes as above units											
			highly fractured and gougen @103.10-103.60											
			interbedded/laminated with black argillite; large interbeds @103.60-103.78; @104.50-104.68											weak magnetism from pyrrhotite vein
			pyrite is local and predominantly in trace amounts											
			alteration spots are common											
			qtz-(carb?) vein breccia @105.79-105.84											
			qtz veining is local up to 4cm width											
			weak magnetism from pyrrhotite grain											
			highly fractured @106.06-106.40; 108.81-109.61w/gouge											
			vein breccia of 5cm @ 106.95											
			small qtz veinlets along lamination/shear plane are common											
			unit is a pale green in colour; evident when wet, appearing l.grey when dry.											
			Unit is highly fractured at both contacts; lower contact highly fractured with gouge @ 110.52-112.20											
111.50	122.53		**Black argillite**	0.2			tr		2		4			No fizz
			Highly qtz veined and brecciated, sheared black argillite. Unit is fractured w/minor gougen texture											no mag
			pyrite is present as localized blebs											
			sercitization is localized as whisps along shear planes and vein selveges.											
			20cm milky qtz vein with whisps of galena @113.52M											
			weakly graphitic.											
			interbeds of a grey unit between 115.56-116.11 and 119.39-119.85											
			weak bands/ibd of sericitized rock amount <5cm											
			lower contact is HIGHLY fractured rock and gouge between 122.0-124.05M											

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BARKER MINERALS LTD.

DRILL HOLE NO. FC-2013 - 12

								Alteration Scale: 1 - 5 v. weak/weak/moderate/strong/v.strong						
Depth (m)				%	%	%	%	Cr	Seri-	2nd	2nd	2nd		**Reactions to**
From	**To**		**Description**	**Py**	**Cpy**	**Sph**	**Gal**	**Mica**	**cite**	**Carb**	**Sil**	**Chl**		**Magnet and Acid.**
122.53	128.73		Very black graphitic argillite											no fizz
			Unit is competent argillite at 124.05											no magnetism
			very minor pyrite											
			EOH											

Lithology: DDH FC2013 - 12

Depth (metres)			Summary Description	%	%	%	%	Alteration Scale: 1 - 5					
From	To			Py	Cpy	Sph	Gal	Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl	
2.13	5.25		**Overburden**.										
2.13	5.25		**Overburden**.										
5.25	6.70		**Silicified quartz- muscovite schist**.								4		
6.70	25.20		**Dark grey argillite rubble**.	0.2							1		
25.20	51.00		**Extremely poor core recovery. Possible fault.**	0.2							1		
51.00	52.60		**Black graphitic argillite.**	1									
52.60	58.00		**Grey silicified zone.**	1							3		
58.00	79.33		**Black graphitic argillite.**	0.5							2		
79.33	86.55		**L.Grey-Green unit (Volcaniclastic?)**	0.1				1	2		2		
86.55	92.47		**Black graphitic argillite**	0.5							2		
92.47	99.42		**L.grey (very weak pale green-grey when wet) unit**	tr			tr		2		2		
99.42	103.10		**Graphitic black argillite**	0.5					1		3		
103.10	111.50		**L.green (when wet)-grey altered unit**	0.2					2		2		
111.50	122.53		**Black argillite**	0.2			tr		2		4		
122.53	128.73		**Very black graphitic argillite**										
			EOH										

PROPERTY: FRANK CREEK

BARKER MINERALS LTD.

DRILL HOLE NO. FC-2013 - 13

Dip & Azimuth Tests			DDH FC-2013-13			
Depth	**Dip**	**Azmth**	**Other tests**	**Easting (NAD 83):** 0610540	**Core Size:** NQ, BQ	**Started:** October 7th, 2013
				Northing (NAD 83): 5845749	**Hole Azimuth**: 90	**Finished:** October 13th, 2013
				Grid Location: 10U	**Hole Angle:** -60°	**Logged by:** J.Logan
				Elevation: 1072m	**Total Depth:** 18.90m	**Analysis by:** N/A
						Drilling by: Barker Minerals

Depth (m)								Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong)						
From	**To**		**Description**	**% Py**	**% Cpy**	**% Sph**	**% Gal**	**Cr Mica**	**Seri-cite**	**2nd Carb**	**2nd Sil**	**2nd Chl**		**Reactions to Magnet and Acid.**
			Purpose of hole was to drill Pb anomaly from Enzyme Leach survey (Pb is immobile), perhaps intersecting Discovery mineralization. Hole was meant to be shallow and quick while waiting for permission to drill in FC13-09 area.											
			Initially, hole encountered difficulty due to lack of casing. Hole was ceased after a drill-rod broke down hole and rods were not recoverable. 18.90m, 2 boxes, were produced that contained only overburden.											
0.00	18.90		**Overburden**											
			Entire hole consists of overburden and till. Oxdized clasts, boulders, sand, and rounded cobbles. Lithologies encountered were qtz-muscovite schist (pyritiferous and non-pyriteferous), carbonaceous schist, and milky quartz.											
			Very poor recovery (<30%)											
			EOH											

PROPERTY: FRANK CREEK

BARKER MINERALS LTD.

DRILL HOLE NO. FC-2013 - 14

Dip & Azimuth Tests			DDH FC-2013-14	Easting (NAD 83): 0609798	Core Size: NQ, BQ	Started: Oct.13, 2013
Depth	Dip	Azmth	Other tests	Northing (NAD 83): 5845044	Hole Azimuth: 90°	Finished: Nov. 6th, 2013
				Grid Location: 10U	Hole Angle: 70°	Logged by: R.Turna, J.Logan
				Elevation: 1185 m	Total Depth: 67.56m	Analysis by:
						Drilling by: Barker Minerals

Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
			Purpose of hole is to test chargeability high on L51N, as suggested by the Quantec/Titan Report in Appendix F8.											
0.00	2.13		**Overburden**. Rounded stones ofgrey silicified schist and quartz. Minor rubble and mud.											
2.13	19.85		Light grey silicified qtz-muscovite schist with angular clasts, and quartz-eyes. Protolith is volcaniclastic greywacke. Irregular weak to moderate foliation averages 60d tca (degrees to core axis). Fairly strong pervasive silicification. Some irregular quartz veins at 7.35 - 8.3 m. Disseminated fine and cubic pyrite occurs irregularly. **At 3.10-3.24 m is vuggy, somewhat rotted 100% massive pyrite with some chalcopyrite (95% py, 5% cpy). At 6.33-6.88 m is 50% massive pyrite with some chalcopyrite (50% py, 2% cpy).** Both massive sulphides appear to be replacements, the upper one is adjacent to a 4 cm quartz vein.	5	0.1				2		4			No fizzing. The lower massive sulphide has local very weak magnetism apparently due to magnetite.

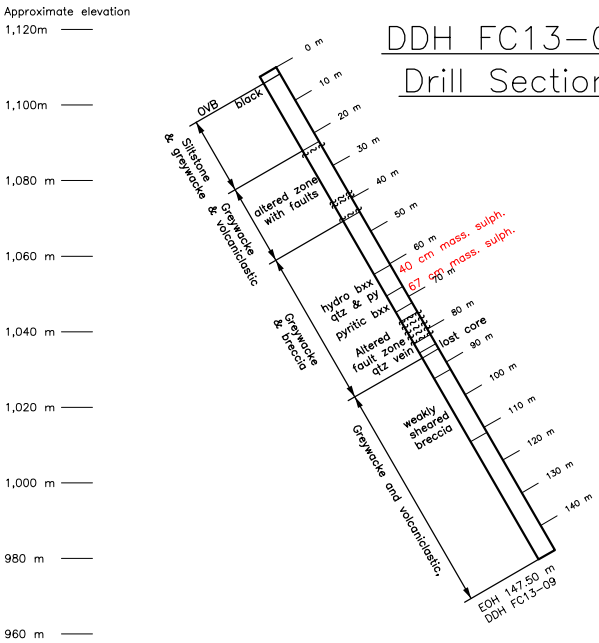
Depth (m) From	To		Description	% Py	% Cpy	% Sph	% Gal	Alteration Scale: 1 - 5 (v. weak/weak/moderate/strong/v.strong) Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl		Reactions to Magnet and Acid.
19.85	44.45		Darker grey greywacke. Irregular weak to moderate foliation averages 60d tca. Less altered and pyritic. Silicification is less and patchy. Sericite alteration isincreasing, occurs patchily. Coarser. Local plagioclase alteration spots and "flowers". These are somewhat sericitized. Disseminated pyrite is irregular, patchy. Minor veining, is more abundant below 40.25 m. Minor scattered ankerite veinlets. A 20 cm white quartz vein occurs at 27.5 m. At 41.05 m a 8 cm grey quartz vein.	0.5					2		2			No fizzing or magnetism.
44.45	59.48		Light grey uniformly sandy textured greywacke. Irregular weak to moderate foliation averages 60d tca. Pervasive sericite. Very minor quartz veinlets. Irregular weak to moderate foliation averages 60d tca. Gets gradually finer grained from 56 m to 59.48 m. The contact, 70d tca at 59.48 m, is abrupt against coarser grained rock below.	2					4					No fizzing or magnetism.
59.48	67.56		Light grey coarse grained quartz eye greywacke. Abundant rounded quartz eyes, up to 4 mm. Fairly strong pervasive sericite. Minor white quartz veins. The upper contact is evidently between overturned graded sequences. Above 59.48 m fining downward terminates at the contact. Below 59.48 m is coarse, a new sequence fining imperceptibly downward. **At 65.29 m is a 3 cm band of chalcopyrite** 65d tca parallel with weak to moderate foliation. appears to be a replacement.	0.2	0.1				4					No fizzing or magnetism.
			EOH											

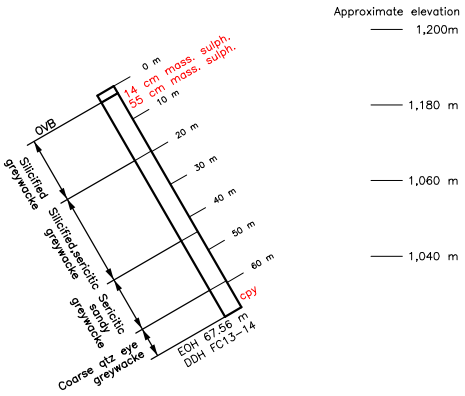
Lithology: DDH FC2013 - 14

Depth (metres)			Summary Description	%	%	%	%	Alteration Scale: 1 - 5					
From	To			Py	Cpy	Sph	Gal	Cr Mica	Seri-cite	2nd Carb	2nd Sil	2nd Chl	
0.00	2.13		**Overburden**. Rounded stones ofgrey silicified schist and quartz. Minor rubble and mud.										
2.13	19.85		**Light grey silicified qtz-muscovite schist** with angular clasts, and quartz-eyes. Protolith is volcaniclastic greywacke.	5	0.1				2		4		
19.85	44.45		**Darker grey greywacke.**	0.5					2		2		
44.45	59.48		**Light grey uniformly sandy textured greywacke**. Pervasive sericite.	2					4				
59.48	67.56		**Light grey coarse grained quartz eye greywacke**	0.2	0.1				4				

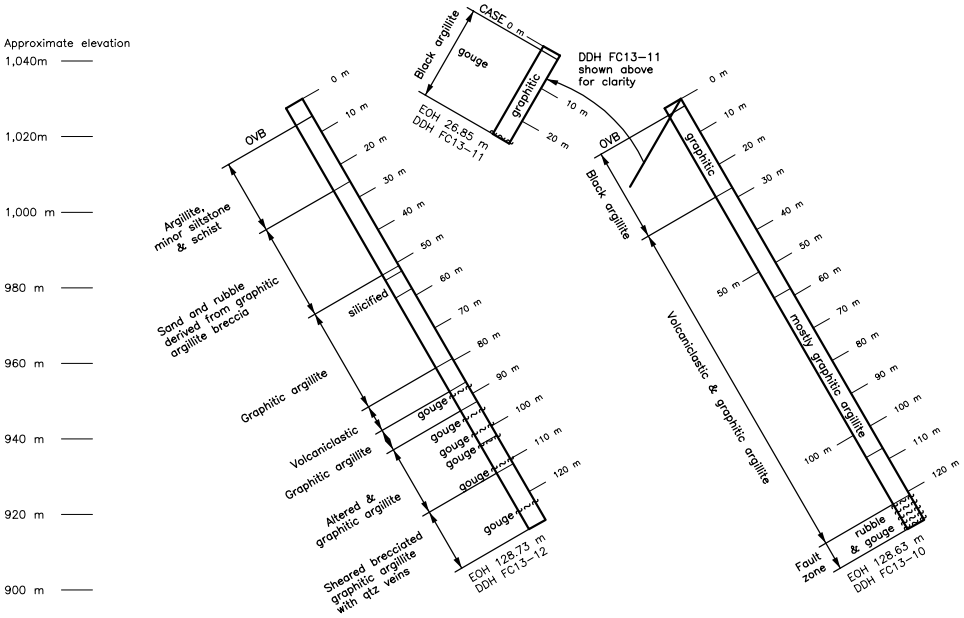
Appendix 7

Frank Creek – Drill Sections





DDH FC13-14
Drill Section



DDH FC13-10,11 and 12
Drill Sections

See Appendix for Analytical Data

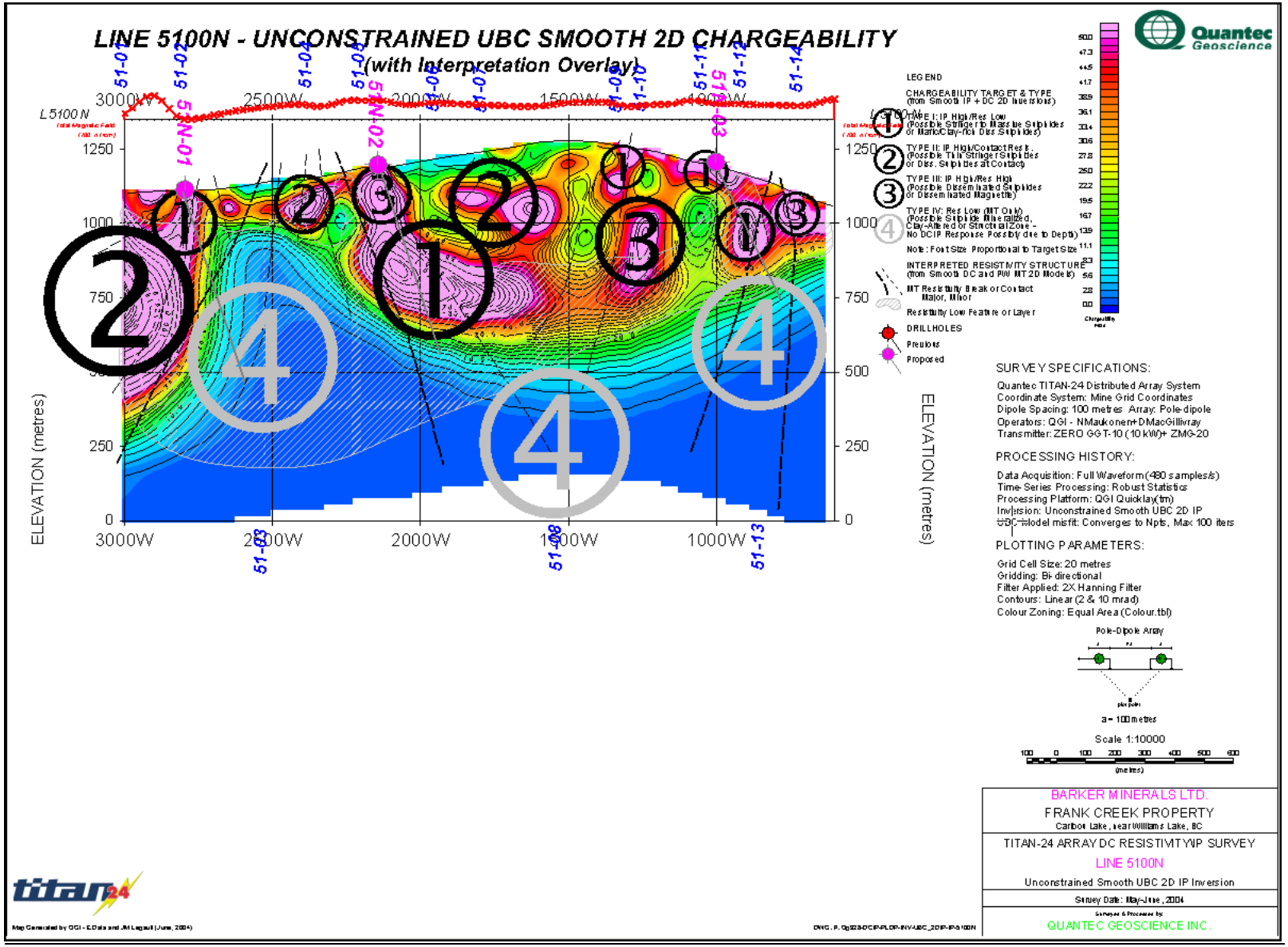
Scale 1:2,000
metres
0 20 40 60 80 100

BARKER MINERALS LTD.	
FRANK CREEK PROPERTY Drill Hole Profiles DDH FC13-09,10,11,12,14 . Cariboo Mining Division, B.C.	
	Date: Oct. 29, 2013
Drawn by: RT	Fig.No.

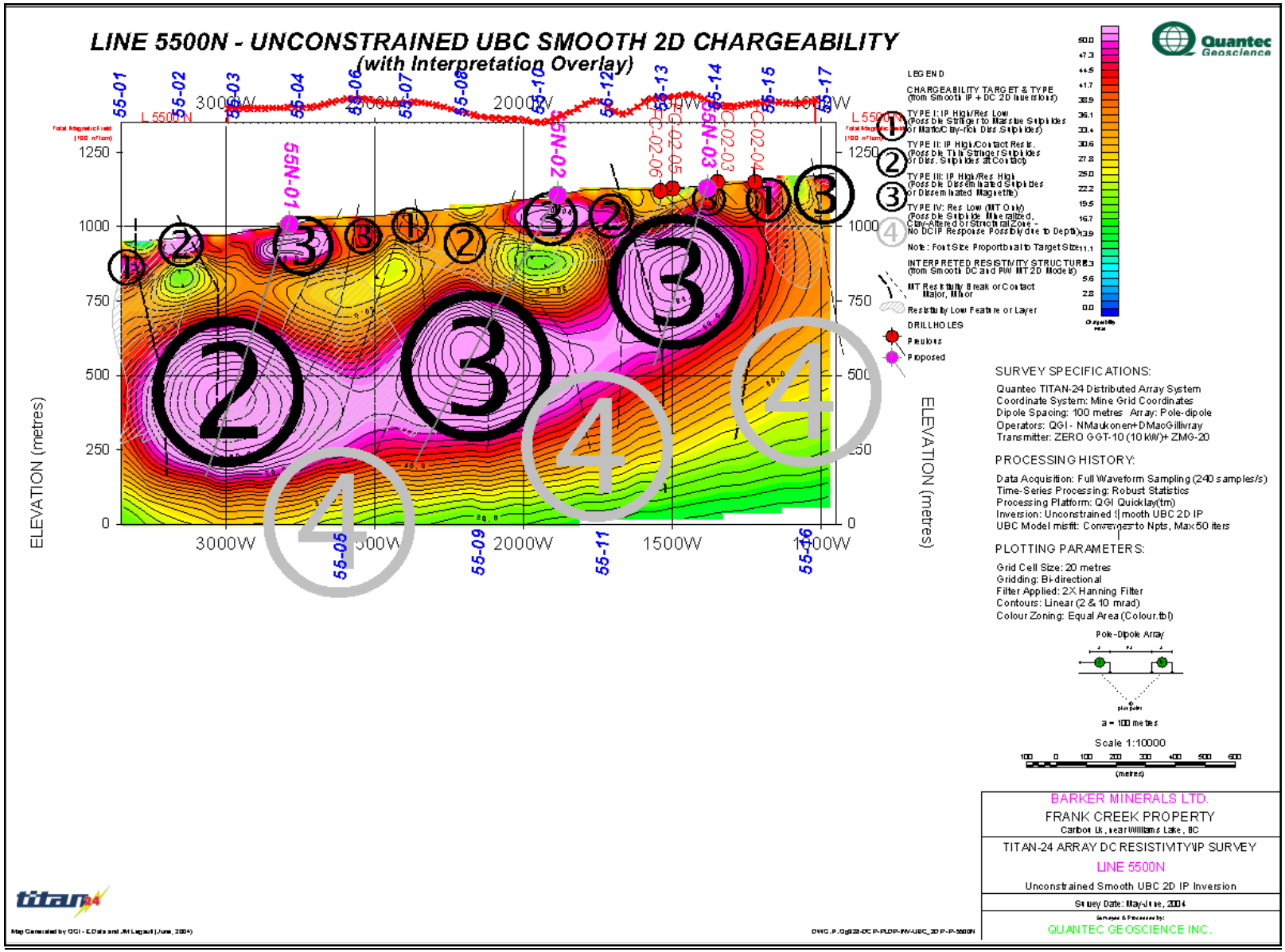
Appendix 8

Frank Creek – Relevant 2004 Quantec Sections to 2013 Drill Program

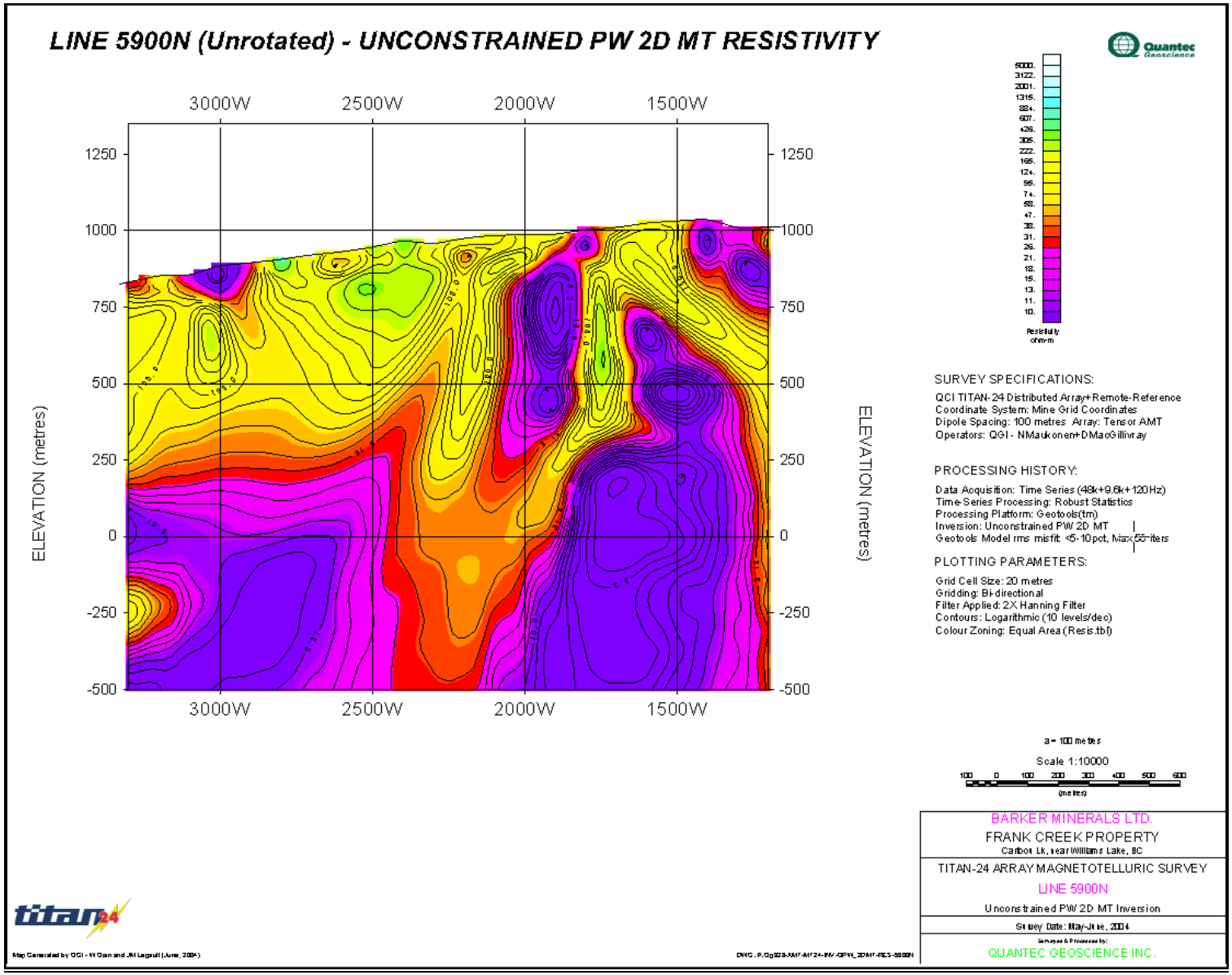
LINE 5100N - UNCONSTRAINED UBC SMOOTH 2D CHARGEABILITY (with Interpretation Overlay)



LINE 5500N - UNCONSTRAINED UBC SMOOTH 2D CHARGEABILITY (with Interpretation Overlay)



LINE 5900N (Unrotated) - UNCONSTRAINED PW-EVA 2D MT RESISTIVITY



Appendix 9

2004 Enzyme Leach Soil Survey – Lead

BARKER MINERALS LTD.

FRANK CREEK PROPERTY

0 500 m

UTM ZONE 10
TRANSVERSE MERCATOR PROJECTION
NORTH AMERICAN DATUM 1983

608500 609000 609500 610000 610500 611000

5846500 5846000 5845500 5845000 5844500

BL20W 62+50N
L61N 15+00W
L59N 12+00W
L57N 10+00W
L55N 9+50W0
L53N 8+50WF
BL20+00 49+00N

TR-FC-03-09
TR-FC-03-02
TR-FC-03-01
TR-FC-03-08A
TR-FC-03-08B
TR-FC-03-03
TR-FC-03-04
TR-FC-03-07
TR-FC-03-06

FC_02_01
FC_02_02
FC_02_03
FC_02_04
FC_02_05
FC_02_06

BW-10
BW-09

Pb in Soils
117 - 1320
80 - 117
51 - 80
37 - 51
29 - 37
20 - 29
14 - 20
9 - 14
2 - 9

N W E S

Appendix 10

XRF Data for DDH FC-2013-10, 11, and 12

XRF Test on Sulphide and Host-Rock Zonation

FC13-10

All Readings: 120sec, in ppm

Soils Mode

Reading No	Depth	Description	Photo #	Duration
1131	2.09	Silicified graphitic black argillite	1413	120
1132	6.65	graphitic black argillite	1414	120
1133	16.68	qtz vein w/large pyrite grains	1415	120
1134	20.07	graphitic black argillite	1416	120
1135	21.90	graphitic black argillite	none	120
1136	24.51	weakly pyritiferous graphitic black argillite	1417	120
1137	27.84	pyrite bleb on light grey rock close to contact	1418	120
1138	31.38	host rock, light grey qtz-musc-ser rock (volcanic/volcaniclastic?)	1419	120
1139	31.38	host rock, light grey qtz-musc-ser rock; same spot as above tested twice	1419	120
1140	32.51	host rock, light grey qtz-musc-ser rock	1420	120
1141	33.90	brecciated qtz-carb vein	1421	120
1142	36.30	host rock, light grey qtz-musc-ser rock	1422	120
1143	39.18	brecciated qtz-carb vein; no fizz	1423	120
1144	36.90	pyrrhotite bleb in brecciated qtz vein	1424	120
1145	40.62	host rock, light grey qtz-musc-ser rock	1425	120
1146	41.47	host rock, light grey qtz-musc-ser rock	1426	120
1147	42.60	intensely seriticized zone	1427	120
1148	43.00	intensely seriticized zone	1427	120
1149	49.00	quartz-carb vein breccia with galena and sphalerite bleb in FOV	1428	120
1150	49.00	same quartz carb vein breccia without galena/sphal in FOV	1428	120
1151	49.48	quartz-carb vein breccia	1429	120
1152	52.78	host rock, light grey qtz-musc-ser rock	1430	120
1155	54.10	qtz carb breccia in light grey musc-ser rock	1447	120
1156	56.57	light grey musc-ser rock	1448/1449	120
1157	59.02	pyrite blebs in black graphitic argillite	1450/1451	120
1158	59.14	black graphitic argillite	1452/1453	120
1159	59.86	large pyrite blebs with qtz in argillite	1454	120
1160	59.86	large pyrite blebs with qtz in argillite	1454	120
1161	60.35	black graphitic argillite	1455	120
1162	61.64	pyrite veinlet/stringer in argillite	1456	120
1163	62.95	intercalation of ser-altered unit	1457	120
1164	62.95	intercalation of ser-altered unit - adj pyrite bleb	1457	120
1165	63.39	rim of vuggy breccia w/pyrite	1458	120
1166	65.20	pyrite following wavy structure in argillite	1459	120
1167	65.20	pyrite following wavy structure in argillite	1459	120
1171	67.10	black graphitic argillite	1470	120
1172	69.97	pyrite bleb in qtz in argillite	1471	120
1173	69.97	pyrite bleb in qtz in argillite	1471	120
1174	70.32	pyrite bleb in qtz in argillite	1472	120
1175	72.95	brecciated/wavy argillite	1473	120
1176	72.34	sericite(?) and py stringer in qtz veined argillite	1474	120
1177	74.10	host rock, light grey musc-ser rock	1475	120
1178	74.35	qtz carb vein	1476	120
1179	74.67	host rock, light grey musc-ser rock	1477	120
1180	75.24	host rock, light grey musc-ser rock	1478	120
1181	76.10	argillite with wavy/brecciated texture	1479	120
1182	77.60	interbed of light grey musc-ser rock	1480	120
1183	78.10	pyrite bleb in quartz in argillite	1481	120
1184	78.10	argillite	1481	120
1185	78.75	host rock, light grey musc-ser rock	1482	120
1186	79.50	host rock, light grey musc-ser rock	1483	120
1187	80.25	pyrite bleb in qtz in argillite	1484	120
1188	80.40	spotty pyrite in qtz in argillite	1484	120
1189	82.05	black graphitic argillite	1485	120
1190	82.18	large pyrite blebs with qtz in argillite	1486	120
1191	82.60	black graphitic argillite	1487	120
1192	87.10	black siliceous argillite with white shards	1488	120
1193	85.35	black graphitic argillite	1489	120
1195	87.85	pyrite bleb in argillite	1490	120
1198	89.45	sericite-muscovite host rock	1507	120
1199	89.56	small cross-cutting py stringer not fully in FOV in ser-musc hostrock	1508	120
1200	90.70	ser-muscovite host rock	1509	120
1201	92.15	ser-muscovite host rock	1510	120
1202	93.72	qtz-carb vein	1511	120
1203	95.30	ser-muscovite [laminated]host rock	1512	120
1204	96.30	graphitic black argillite	1513	120
1205	98.85	graphitic black argillite	1514	120
1206	99.81	py band, cg, in qtz in black argillite	1515	120
1207	99.81	py band, cg, in qtz in black argillite	1516	120
1208	100.20	interbed of light grey musc-ser rock, w/py vein	1517	120
1209	100.20	interbed of light grey musc-ser rock, w/py vein	1517	120
1212	100.66	interbed of light grey musc-ser rock, w/ white specks	1532	120
1213	101.35	another interbed of ser-musc rock in argillitel; py stringers	1533	120
1214	104.16	black argillite, siliceous, fissile	1534	120
1215	105.64	black argillite, siliceous, fissile	1535	120
1216	105.52	very siliceous, brecciated, black argillite	1536	120
1217	105.52	very siliceous, brecciated, black argillite (15ppm+Au)	1536	120
1218	105.52	Purposefully targetting py bleb in argillite	1536	120
1219	107.41	very altered qtz; sericitic w/weak mag	1537	120
1222	107.90	can see dark clasts in matrix (ser-musc hostrock)	1538	120
1223	108.45	can see dark white in matrix (ser-musc hostrock)	1539	120
1224	109.72	light grey musc-ser rock	1540	120
1225	111.05	light grey-green musc-ser rock	1541	120
1226	111.18	fizzing qtz-carb vein	1542	120
1227	111.95	intensely seriticized zone w/qtz	1543	120
1228	112.25	not as sericitized as above host rock	1544	120
1229	112.58	interbed of argillite	1545	120
1230	113.52	fizzing host rock	1546	120
1231	114.00	fizzing large qtz-carb vein breccia very silicified with 'sericite clasts'?	1547	120
1232	114.00	fizzing large qtz-carb vein breccia very silicified with 'sericite clasts'?	1547	120
1233	114.00	fizzing large qtz-carb vein breccia very silicified with 'sericite clasts'?	1547	120

Reading No	Au	Ag	As	Fe	Hg	Sb	Bi	Se	Te	Cu	Zn	Pb	Cd	Sn	W	Mo	Ni	Co	V	Cr	S
1131	< LOD	130.52	3.49	1406.3	7.36	33.88		< LOD	133.24	< LOD	16.05	< LOD	14.69	35.37	< LOD	< LOD	72.07	< LOD	108.1	35.73	< LOD
1132	< LOD	112.26	< LOD	3131.33	< LOD	37.15		< LOD	132.34	26.86	24.81	< LOD	16.26	33.97	< LOD	< LOD	68.32	< LOD	61.83	< LOD	< LOD
1133	< LOD	112.91	57.47	117836	< LOD	< LOD		28.71	< LOD	337.05	41.97	128.5	< LOD	< LOD	42.22	7.77	89.03	< LOD	< LOD	< LOD	153055
1134	< LOD	115.8	6.87	6460.29	< LOD	29.08		< LOD	98.4	76.83	90.51	< LOD	14.21	36.01	< LOD	< LOD	71.39	< LOD	125.53	66.35	2741.9
1135	< LOD	136.33	< LOD	5999.29	< LOD	28.89		< LOD	126.32	23.04	37.72	< LOD	< LOD	35.56	< LOD	< LOD	54.96	< LOD	41.65	< LOD	2160.5
1136	< LOD	117.11	6.68	6413.66	< LOD	37.66		4.03	120.93	82.64	67.7	26.44	< LOD	27.31	< LOD	< LOD	95.76	< LOD	238.81	137.63	797.43
1137	< LOD	175.47	401.47	326368	18.63	< LOD		13.04	< LOD	51.66	84.94	< LOD	< LOD	34.2	< LOD	< LOD	337.09	< LOD	< LOD	337.15	293722
1138	12.9	165.46	62.89	48475.4	< LOD	39.12		< LOD	121.92	57.9	63.32	< LOD	< LOD	45.79	< LOD	< LOD	191.13	182.7	240.8	300.12	< LOD
1139	9.38	181.91	58.95	48471.6	< LOD	35.43		< LOD	107.15	50.07	61.19	< LOD	< LOD	47.49	< LOD	< LOD	199.39	< LOD	214.31	289.07	1083.3
1140	12.4	197.56	10.63	46908.9	10.23	19.67		< LOD	111.22	195.86	75.76	< LOD	< LOD	31.16	< LOD	< LOD	150.02	< LOD	115.55	57.31	1813.2
1141	9.39	129.96	< LOD	5785.87	< LOD	24.35		< LOD	76.9	< LOD	19.15	< LOD	< LOD	36.35	< LOD	< LOD	81.74	< LOD	< LOD	< LOD	< LOD
1142	< LOD	191.32	39	50072.1	< LOD	22.07		< LOD	111.19	< LOD	86.37	< LOD	< LOD	43.19	35.55	< LOD	240.94	< LOD	181.51	254.1	1672.2
1143	< LOD	200.94	9.63	65138.3	< LOD	27.1		< LOD	93.36	< LOD	90.95	25.02	< LOD	45.93	< LOD	< LOD	97.32	< LOD	< LOD	< LOD	< LOD
1144	< LOD	129.31	11.51	299955	< LOD	< LOD		< LOD	< LOD	2284.94	23.93	< LOD	< LOD	< LOD	90.56	5.42	2730.78	< LOD	< LOD	< LOD	185932
1145	< LOD	199.97	< LOD	53330.4	< LOD	28.61		< LOD	118.28	49.87	45.06	< LOD	< LOD	28.01	< LOD	< LOD	167.09	< LOD	216.01	315.93	1398
1146	9.5	201.83	30.36	49668.4	< LOD	31.08		< LOD	122.86	37.54	39.24	< LOD	15.65	45.28	< LOD	< LOD	172.16	< LOD	175.4	286.22	< LOD
1147	< LOD	187.08	47.26	50240.4	< LOD	30.02		< LOD	118.58	62.04	57.75	< LOD	< LOD	45.38	< LOD	< LOD	214.07	< LOD	212.05	341.34	3118.6
1148	< LOD	228.5	35.41	151588	11.31	34.53		< LOD	132.68	27.47	76.65	< LOD	< LOD	48.08	< LOD	< LOD	262.17	< LOD	202.38	409.58	< LOD
1149	< LOD	152.04	3976.41	6307.68	< LOD	49.42		90.88	133.12	< LOD	12965	46917.5	80.48	42.41	< LOD	< LOD	< LOD	< LOD	< LOD	< LOD	184653
1150	< LOD	189.04	27.12	68652.6	11.9	20.85		5.05	134.19	21.72	79.08	< LOD	< LOD	45.85	< LOD	< LOD	340	< LOD	292.38	766.7	1554.1
1151	< LOD	156.53	< LOD	14911.3	10.75	23.82		< LOD	81.16	< LOD	21.88	< LOD	< LOD	34.04	< LOD	< LOD	88.22	< LOD	< LOD	< LOD	< LOD
1152	< LOD	174.58	9.61	56772.3	< LOD	34.52		< LOD	102.61	< LOD	43.48	< LOD	< LOD	43.44	< LOD	< LOD	214.78	< LOD	135.43	267.86	< LOD
1155	8.67	205.39	8.34	50483.7	9.67	26.53		< LOD	144.94	< LOD	41.44	< LOD	< LOD	55.11	< LOD	< LOD	118.35	< LOD	40.04	< LOD	< LOD
1156	9.6	188.44	23.03	71571.8	10.94	33.39		< LOD	122.28	69.82	80.58	< LOD	< LOD	45.42	< LOD	< LOD	262.62	< LOD	165.16	524.7	< LOD
1157	< LOD	122.5	15.07	196426	< LOD	< LOD		37.25	< LOD	5724.91	17204.9	< LOD	21.45	< LOD	< LOD	9.54	451.43	< LOD	74.74	36.85	233692
1158	< LOD	145.89	< LOD	8243.99	< LOD	33.56		< LOD	127.23	49.05	42.31	< LOD	12.15	49.78	< LOD	< LOD	112.34	< LOD	119.65	77.48	< LOD
1159	< LOD	151.05	398.16	388783	< LOD	< LOD		56.77	< LOD	409.75	323.38	411.78	< LOD	< LOD	< LOD	9.85	346.03	< LOD	< LOD	< LOD	336973
1160	< LOD	131.1	163.9	254172	< LOD	< LOD		42.24	< LOD	68.18	3342.03	625.92	< LOD	26.69	< LOD	8.59	199.12	< LOD	< LOD	< LOD	295250
1161	< LOD	119.66	< LOD	7331.38	< LOD	34.79		< LOD	123.08	35	89.65	< LOD	14.95	29.32	< LOD	< LOD	81.43	61.81	85.69	60.8	623.91
1162	< LOD	313.83	436.52	570698	37.07	38.87		122.15	179.84	604.56	10692.6	2526.36	46.57	89.06	< LOD	11.23	191.82	1785.25	< LOD	< LOD	419780
1163	8.87	177.01	< LOD	35722.5	< LOD	29.52		4.82	116.06	29.37	103.96	< LOD	< LOD	36.17	< LOD	< LOD	143.1	< LOD	144.1	65.53	11701
1164	< LOD	295.01	101.36	610664	< LOD	< LOD		46.15	99.67	80.43	87.49	22.26	< LOD	64.46	< LOD	7.4	187.11	< LOD	< LOD	< LOD	369463
1165	< LOD	202.28	29.33	76741.2	< LOD	25.31		20.51	< LOD	345.69	1645.2	119.06	< LOD	46.65	< LOD	3.98	197.83	277.64	< LOD	< LOD	72727
1166	< LOD	148.28	286.52	257300	< LOD	< LOD		81.17	< LOD	715.75	146.5	460.24	< LOD	30.93	< LOD	71.47	245.16	542.22	111.59	58.57	253369
1167	18.15	156.76	124.37	84825.7	< LOD	< LOD		22.5	< LOD	96.15	400.4	156.44	< LOD	23.1	< LOD	24.15	176.54	304.06	391.31	101.65	78824
1171	< LOD	185.4	< LOD	30555.9	< LOD	36.09		5.07	155.7	18.57	79.22	< LOD	21.06	51.97	< LOD	4.95	115.8	< LOD	150.12	27.57	< LOD
1172	34.82	328.9	468.29	608417	< LOD	36.36		314.89	106.89	433.47	5373.54	5235.96	< LOD	50.26	< LOD	13.84	356.82	< LOD	< LOD	< LOD	472347
1173	< LOD	< LOD	111.18	116016	< LOD	< LOD		36.58	< LOD	310.21	2651.17	264.78	< LOD	< LOD	< LOD	12.72	129.47	< LOD	< LOD	< LOD	204609
1174	< LOD	143.39	37.2	334407	< LOD	< LOD		119.96	< LOD	2532.1	391.99	81.24	< LOD	< LOD	< LOD	6.71	274.63	< LOD	< LOD	< LOD	374426
1175	< LOD	173.24	5.18	17410.7	< LOD	37.45		3.81	166.19	96.83	50.11	< LOD	14.63	45.31	< LOD	< LOD	122.36	< LOD	218.15	63.02	5287.3
1176	< LOD	151.01	< LOD	40378.7	< LOD	29.33		10.92	98.11	70.31	64.3	316.38	24.79	33.58	< LOD	148.6	102.25	< LOD	< LOD	< LOD	2312.4
1177	11.75	143.25	< LOD	16865	9.14	26.22		4.74	119.24	169.77	46.05	< LOD	< LOD	33.31	< LOD	< LOD	126.51	< LOD	326.95	171.34	3411.5
1178	< LOD	115.62	< LOD	2553.84	< LOD	< LOD		< LOD	< LOD	19.54	11.8	< LOD	< LOD	20.04	41.67	< LOD	94.48	< LOD	< LOD	< LOD	< LOD
1179	8.81	120.44	11.13	16082.9	11.47	24.08		< LOD	103.42	31.38	40.05	< LOD	< LOD	41.53	< LOD	< LOD	122.35	124.56	289.1	129.2	10858
1180	10.1	107.73	< LOD	20720.4	9.73	< LOD		10.12	57.99	200.41	48.93	< LOD	< LOD	25.5	< LOD	3.82	105.62	134.08	337.98	63.67	32838
1181	< LOD	127.08	18.97	18425.7	< LOD	14.56		7.61	70.9	137.45	277.23	< LOD	< LOD	16.78	< LOD	10	130.12	< LOD	345.06	173.33	19855
1182	9.76	116.96	< LOD	7105.43	7.26	20.6		3.5	97.91	74.26	23.9	< LOD	< LOD	19.73	< LOD	< LOD	114.21	< LOD	209.05	60.31	6708.9
1183	< LOD	< LOD	121.21	93527.6	< LOD	< LOD		19.08	< LOD	82.27	1157.43	< LOD	< LOD	< LOD	< LOD	5.81	156.11	< LOD	136.16	< LOD	130625
1184	10.41	191.87	15.98	10368	< LOD	35.28		< LOD	136.14	29.15	795.19	< LOD	14.84	41.15	< LOD	10.54	141.64	< LOD	548.7	144.33	12859
1185	11.6	158.98	< LOD	22545.1	12.24	27.58		5.57	106.26	57.15	31.72	< LOD	< LOD	27.31	< LOD	< LOD	111.87	< LOD	290.08	80.81	9817.9
1186	13.1	111.18	6.24	13175.7	< LOD	21.46		4	75.47	138.19	33.32	< LOD	< LOD	28.85	< LOD	< LOD	96.3	< LOD	313.61	131.95	12450
1187	< LOD	< LOD	76.43	169326	14.6	< LOD		15.49	< LOD	404.31	64.15	< LOD	< LOD	< LOD	< LOD	7.79	64.59	< LOD	< LOD	< LOD	188701
1188	< LOD	111.39	20.42	23133.3	< LOD	< LOD		7.82	< LOD	110.05	102.05	< LOD	< LOD	24.03	< LOD	< LOD	72.04	127.1	95.32	52.2	47924
1189	8.65	137.87	< LOD	14180.6	< LOD	30.49		< LOD	99.11	118.54	220.45	< LOD	< LOD	43.14	< LOD	10.72	141.9	< LOD	474.55	37.68	2306.9
1190	< LOD	207.28	287.53	342842	34.52	< LOD		93.19	< LOD	11900.6	7066.39	349.32	42.24	30	< LOD	364.6	585.97	962.06	< LOD	< LOD	343459
1191	8.79	181.76	6.6	26868.6	< LOD	31.18		< LOD	124.17	40.83	247.35	< LOD	17.71	35.74	< LOD	10.86	151.15	< LOD	772.86	81.34	1450
1192	< LOD	117.23	< LOD	6315.22	< LOD	31.45		3.27	118.53	48.22	57.87	< LOD	< LOD	31.3	< LOD	< LOD	84.68	< LOD	129.85	114.35	593.99
1193	< LOD	177.64	< LOD	26332	< LOD	32.71		< LOD	125.33	< LOD	362.12	8.95	< LOD	41.03	< LOD	6.36	151.63	< LOD	239.28	105.91	< LOD
1195	< LOD	165.71	200.46	406850	< LOD	< LOD		123.41	< LOD	77.71	454.73	71.92	< LOD	40.03	< LOD	7.55	149.62	< LOD	< LOD	< LOD	377547
1198	12.18	207.77	7.02	48866.1	< LOD	38.26		< LOD	169.53	68.63	38.46	< LOD	16.51	61.49	< LOD	< LOD	170.36	< LOD	125.64	230.93	4931.5
1199	11.58	171.51	7.65	145036	13.28	24.46		7.63	75.21	103.21	49.25	< LOD	17.55	48.2	< LOD	4.41	201.26	< LOD	151.71	414.86	127841
1200	12.33	200.85	5.97	55968	10.76	27.9		< LOD	113.6	140.62	57.06	< LOD	< LOD	46.94	< LOD	< LOD	222.3	< LOD	132.16	260.15	9024.3
1201	11.75	201.16	< LOD	56721.8	12.3	32.64		< LOD	133.69	32.64	66.02	< LOD	< LOD	31.53	< LOD	< LOD	174.75	< LOD	214.2	667.02	1570.6
1202	< LOD	237.5	< LOD	7453.3	< LOD	32.08		< LOD	167.07	24.37	34.27	< LOD	18.22	70.42	< LOD	< LOD	131.76	< LOD	< LOD	21.47	< LOD
1203	10.46	176.87	< LOD	39543.1	< LOD	20.12		< LOD	88.39	57.14	39.17	< LOD	< LOD	38.19	< LOD	< LOD	150.55	< LOD	188.3	141.22	12353
1204	< LOD	137.29	< LOD	9125.6	< LOD	30.54		4.28	120.78	99.21	66.89	< LOD	11.93	32.46	< LOD	< LOD	105.3	< LOD	111.8	17.11	< LOD
1205	< LOD	113.87	< LOD	5055.17	< LOD	23.17		< LOD	106.01	107.28	18.56	< LOD	< LOD	35.14	< LOD	< LOD	60.64	< LOD	87.91	23.23	2791.1
1206	< LOD	118.92	69.01	200186	< LOD	< LOD		29.14	< LOD	767.6	200.96	64.87	< LOD	< LOD	< LOD	24.12	80.35	< LOD	< LOD	< LOD	264748
1207	< LOD	168.55	57.09	173425	< LOD	< LOD		24.33	< LOD	281.56	152.28	29.45	< LOD	42.95	< LOD	17.96	129.25	452.97	< LOD	< LOD	212863
1208	15.3	146.06	67.06	100253	< LOD	< LOD		26.27	< LOD	443.75	51.73	< LOD	< LOD	< LOD	< LOD	5.93	174.45	630.71	93.43	54.39	144435
1209	13.15	< LOD	54.61	102056	< LOD	< LOD		20.67	< LOD	461.48	72.79	10.41	< LOD	< LOD	43.3	7.27	111.11	500.5	72.41	19.74	135027
1212	11.66	159.35	< LOD	9067.34	11.02	40.3		< LOD	154.95	29.64	28.26	< LOD	18.93	39.56	< LOD	< LOD	150.35	< LOD	236.14	115.94	1114.2
1213	11.43	103.53	5.2	28729.1	< LOD	< LOD		9.18	59.39	179.51	109.06	< LOD	< LOD	26.05	< LOD	< LOD	153.96	194.71	365.57	137.24	48079
1214	8.33	181.4	< LOD	15227.8	< LOD	39.94		< LOD	155.73	52.8	59	< LOD	16.39	42.36	< LOD	< LOD	125.15	< LOD	56.11	< LOD	< LOD
1215	< LOD	146.72	< LOD	12544.3	< LOD	26.66		< LOD	124.91	< LOD	40.63	< LOD	< LOD	29.13	< LOD	< LOD	108.24	< LOD	186.32	52.57	< LOD
1216	14.59	175.55	6.3	50629.3	9.93	54.51		6.05	211.38	200.84	104.32	< LOD	19.94	59.12	< LOD	4.32	193.19	< LOD	246.64	629.62	8651.9
1217	16.83	127.12	< LOD	51822.7	< LOD	< LOD		< LOD	54.59	146.45	94.54	< LOD	< LOD	18.41	< LOD	6.54	146.42	< LOD	395.72	1116.35	6892.5
1218	14.16	210.2	< LOD	188217	< LOD	31.46		65.47	97.4	95.7	415.74	31.6	< LOD	32.84	< LOD	5.62	160.06	< LOD	117.59	62.37	241896
1219	12.75	195.97	9.16	43896.9	10.4	31.46		< LOD	92.93	42.22	58.96	< LOD	< LOD	41.13	< LOD	< LOD	141.28	< LOD	186.06	221.8	1625.8
1222	9.92	135.66	8.24	29669.4	10.45	22.06		4.93	83.53	26.27	46.2	< LOD	< LOD	29.94	< LOD	< LOD	117	< LOD	128.04	211.35	3138.4
1223	9.54	138.52	8.43	63537.8	9.86	< LOD		< LOD	65.97	80.77	88.51	< LOD	< LOD	35.77	< LOD	< LOD	253.82	< LOD	297.99	548.84	3114.7
1224	< LOD	107.41	4.88	11844.4	10.14	24.84		< LOD	121.88	148.62	21.97	< LOD	< LOD	26.88	< LOD	< LOD	109.98	87.45	313.18	135.78	7485
1225	10.66	178.38	5.86	40165	< LOD	25.49		< LOD	123.98	28.59	69.95	< LOD	< LOD	47.16	< LOD	< LOD	216.63	< LOD	198.67	298.62	2651.7
1226	< LOD	181.46	< LOD	8546.17	8.76	39.32		< LOD	131.41	< LOD	24.38	< LOD	17.45	48.41	< LOD	< LOD	87.86	< LOD	< LOD	< LOD	< LOD
1227	< LOD	176.41	13.32	107491	< LOD	33.55		< LOD	132.88	146.31	188.98	< LOD	< LOD	67.08	< LOD	< LOD	239.52	< LOD	286.5	582.11	9869.1
1228	11.66	123.58	< LOD	20447.1	< LOD	< LOD		4.77	61.55	27.31	48.55	< LOD	< LOD	< LOD	< LOD	5.15	160.61	< LOD	161.15	188.43	9952.8
1229	7.57	134.93	< LOD	5878.85	< LOD	43.58		< LOD	149.77	23.7	19.84	< LOD	16.46	38.78	< LOD	16.66	76.95	< LOD	388.49	21.9	528.46
1230	< LOD	180.93	< LOD	59131.4	< LOD	28.23		< LOD	116.25	< LOD	92.74	< LOD	< LOD	47.16	< LOD	< LOD	171.55	< LOD	163.66	221.9	< LOD
1231	11.91	178.23	7.71	58221.2	< LOD	26.2		< LOD	124.47	< LOD	79.14	< LOD	< LOD	52.07	< LOD	< LOD	185.56	< LOD	81.17	170.54	< LOD
1232	13.49	120.44	11.82	35451.5	9.88	< LOD		< LOD	84.36	28.14	67.1	< LOD	< LOD	37.42	< LOD	< LOD	178.84	< LOD	310.61	451.11	1641.4
1233	< LOD	206.02	7.16	25128.8	< LOD	39.47		< LOD	126.93	33.69	47.06	< LOD	16.2	56.99	< LOD	< LOD	145.18	< LOD	< LOD	< LOD	< LOD

Reading No	Ba	K	Ti	Th	Rb	Sr	Mn	Si	Zr	P	Al	Ca	U	Cl
1131	995.13	12375.8	1192.9	5.54	36.23	2.51	118.34		43.02			< LOD	< LOD	
1132	944.19	10424.2	1073.9	< LOD	30.99	3.32	106.36		37.91			< LOD	< LOD	
1133	195.69	3032.22	257.14	8.34	9.66	7.31	253.58		15.04			742.2	7.93	
1134	1023.89	21529.6	2091.4	6.89	57.43	9.31	155.37		68.52			180.42	< LOD	
1135	733.86	7840.75	752.14	3.26	23.65	31.86	183.01		30.44			11179	< LOD	
1136	1468.27	28146.7	2429.2	7.92	76.14	27.27	150.79		73.35			4346.9	17.13	
1137	1297.11	19379.5	8367.3	18.19	84.87	168.88	963.35		162.43			37414	20.21	
1138	3033.73	20656.4	8874.8	5.58	54.69	241.64	845.77		111.82			122498	< LOD	
1139	3066.33	20310.8	8793	5.65	56.09	240.39	869.01		111.98			122046	9.33	
1140	1470.54	12061.5	5965.1	6.65	34.23	232.13	813.71		68.01			108312	< LOD	
1141	492.12	872.86	171.67	< LOD	< LOD	455.09	513.72		< LOD			219660	< LOD	
1142	1384.81	13624.1	7677.1	< LOD	50.27	315.05	926.32		95.23			126819	< LOD	
1143	422.87	1007.48	149.43	< LOD	3.13	176.81	1562.42		< LOD			183277	< LOD	
1144	282.56	801.42	212.4	14.97	4.18	29.59	371.29		< LOD			8348.5	8.18	
1145	865.44	10674.9	6196.9	4.19	37.71	355.84	1041.46		70.93			140985	10.17	
1146	751.1	4448.99	5738.5	5.14	11.82	398.68	1254.37		70.73			152800	< LOD	
1147	1128.31	9388.18	6984.5	6.08	24.91	442	1325.62		83.57			127245	< LOD	
1148	1125.53	9691.49	9482.1	7.57	37.34	356.63	1462.84		99.8			75932	< LOD	
1149	335.93	1288.14	167.31	95.45	< LOD	< LOD	220.4		< LOD			17744	< LOD	
1150	2319.43	29041.4	11743	5.28	87.04	418.56	1228.29		135.11			171086	9.76	
1151	293.06	857.51	211.11	< LOD	< LOD	381.93	1702.6		5.6			353670	< LOD	
1152	808.9	7595.28	6329.2	5.96	20.37	363.17	1306.91		79.78			155286	< LOD	
1155	701.93	5198.15	1540.1	< LOD	9.6	295.45	2693.35		26.52			225648	< LOD	
1156	1914.26	14969.6	7635.4	5.2	34.51	280.54	1482.28		104.67			123472	< LOD	
1157	1594.33	16029.4	1356.7	12.72	61.65	82.17	469.14		73.99			17424	< LOD	
1158	1687.89	20350.9	1840.7	7.78	43.99	88.23	402.89		97.08			35709	6.16	
1159	597.42	6580.39	909.33	20.16	24.95	67.49	358.28		81.91			13458	24.09	
1160	261.38	5154.8	913.08	13.98	12.29	49.05	188.13		54.33			7316.8	9.57	
1161	1182.49	12781.3	1206.7	7.51	31.48	71.14	251.24		58.89			22914	< LOD	
1162	788	7178.63	1024.7	33.65	38.96	13.29	405.27		54.24			2733.4	17.79	
1163	2202.11	30876.6	6002.1	< LOD	81.31	209.75	818.89		73.95			88062	< LOD	
1164	1363.62	20107	4577.8	35.4	74.64	45.32	508.92		68.41			12851	22.26	
1165	434.6	5073.27	683.18	< LOD	9.85	220.09	932.09		7.84			97757	< LOD	
1166	800.5	10823.9	1020.6	10.29	21.79	66.94	287.88		47.33			13661	19.56	
1167	1460.01	25921.8	2499	15.07	69.97	281.07	256.33		183.39			52864	38.54	
1171	1666.49	28531.8	2142	7.91	49.24	331.38	972.47		138.92			165687	7.83	
1172	703.63	1841.51	478.54	35.09	7.1	11.38	< LOD		21.86			1671.3	21.93	
1173	248.58	1430.5	395.14	< LOD	< LOD	13.91	179.32		53.29			2640.7	203.91	
1174	264.09	5309.78	600.84	18.53	16.99	44.59	271.42		47.74			9327.8	24.28	
1175	2183.62	37736.9	2985.7	13.71	83.23	154.58	604.27		153.94			69215	7.92	
1176	834.83	13025.3	734.8	< LOD	20.48	224.8	650.98		111.46			76651	< LOD	
1177	3637.43	63544.4	16208	10.89	145.68	76.22	319.69		196.06			24790	31.81	
1178	329.64	3936.1	286.37	3.87	3.44	629.75	463.65		6.65			259653	< LOD	
1179	3877.75	58179.1	14417	10.81	144.95	52.04	279.28		203.52			18678	16.54	
1180	2858.75	61392.3	8640.1	5.69	147.29	13.45	179.61		172.57			1625.1	12.22	
1181	1932.09	41561.3	5120.4	20.57	108.95	117.24	312.81		297.59			40309	21.48	
1182	1855.26	38280.4	5252.7	< LOD	78.67	13.68	167.81		112.8			4077.6	8.85	
1183	305.4	11511.8	1066.7	4.97	14.72	56.86	230.23		22.57			25522	7.83	
1184	1744.94	25620.3	2021.8	11.31	66.82	430.52	241.44		162.77			153748	72.03	
1185	2862.56	44855.1	7868.4	< LOD	102.45	144.8	423.71		125.1			84039	13.27	
1186	2842.7	61436.2	13649	7.13	134.84	48.66	224.41		177.36			9832.5	24.92	
1187	< LOD	6488.6	679.66	8.02	3.83	33.3	< LOD		16.58			14723	10.29	
1188	884.46	11571.1	1751.6	10.15	34.6	24.6	212.41		134.49			8979.3	10.12	
1189	1202.45	14743.3	1256.3	9.25	33.68	203.93	321.72		102.65			84981	21.25	
1190	154.95	1284.52	< LOD	24.12	8.66	12.63	237.05		< LOD			8344.1	11.99	
1191	1594.4	30207.7	3018.9	9.68	50.66	323.26	657.16		172.94			132700	30.72	
1192	1565.82	18010.8	2462.7	7.1	46.35	18.7	148.06		101.18			7114.3	8.24	
1193	1880.4	27806.3	3002.1	12.24	49.38	258.89	968.88		155.56			132923	15.54	
1195	417.14	6974.95	1509.2	16.82	16.77	10.44	< LOD		87.07			2298.6	20.55	
1198	2304.82	22428.6	6632.7	6.41	48.95	283.33	1150.54		94.61			151181	13.64	
1199	2199.31	29091	9770.4	< LOD	83.08	249.36	1470.92		115.35			103783	10.04	
1200	2145.25	23997.5	6163.5	5.63	59.76	280.07	1290.2		87.68			123241	< LOD	
1201	3362.24	33068.3	8406.7	9.34	72.85	319.65	1879.78		115.29			140730	10.03	
1202	575.76	4451.14	602.27	5.08	3.91	594.81	2184.68		8.65			435895	< LOD	
1203	2100.89	31977.3	7757.3	< LOD	86.35	221.43	728.24		88.09			103484	< LOD	
1204	997.31	13378.5	1235.7	9.03	35.55	164.02	461.98		90.04			99387	9.23	
1205	621.82	11539.6	1115.9	4.19	29.45	70.79	206.16		57.09			36117	6.47	
1206	< LOD	1115.74	93.85	9.06	< LOD	40.62	410.45		< LOD			17537	15.05	
1207	272.92	1301.7	103.52	16.11	< LOD	35.79	336.98		4.23			12414	11.17	
1208	2019.94	20106.8	5541.4	8.78	66.65	28.69	383.92		84.77			6038.9	12.86	
1209	595.51	14369.5	2340.1	4.69	28.96	29.74	354.91		35.51			9579.5	10.4	
1212	3264.13	41055.7	11616	9.02	142.63	55.22	300.49		166.39			17797	< LOD	
1213	3379.22	51676.8	13840	9.61	182.37	33.55	214.89		230.16			5226.7	14.16	
1214	1552.59	23213.6	2270.7	10.82	82.53	143.02	429.35		176.39			56372	< LOD	
1215	1316.48	30315.3	2610.8	8.9	83.96	75.72	280.27		132.82			22850	11.88	
1216	1880.9	31676.1	9573.9	10.28	93.17	268.39	1126.18		127.39			119005	12.57	
1217	2446.41	45745.6	17835	9.32	133.89	228.76	1021.74		233.55			95526	18.16	
1218	1018.58	13039.8	1518.6	12.95	44.58	196.97	725.96		33.55			61387	14.62	
1219	2301.58	26499	11694	11.04	73.19	338.16	1848.57		172.89			151981	< LOD	
1222	2014.18	26389.5	10471	4.68	74.25	240.37	1246.18		169.27			122172	< LOD	
1223	2669.51	32041.5	22538	17.1	101.7	150.8	570.71		373.72			73386	< LOD	
1224	5253.33	45746	11896	4.59	129.49	45.29	269.79		128.09			8025.6	12.14	
1225	1440.95	8839.01	10983	7.53	29.62	177.4	753.11		145.37			68872	< LOD	
1226	410.01	934.73	504.27	< LOD	< LOD	790.27	977.18		5.97			431717	< LOD	
1227	1228.95	11471.7	11498	8.73	24.45	198.09	919.62		88.66			83151	7.18	
1228	5097.59	27996.6	7622.2	5.97	106.54	271.49	659.42		105.57			92979	< LOD	
1229	1774.28	9907.26	1061.7	7.26	36.5	129.21	476.3		58.44			46309	18.35	
1230	1339.82	8997.01	11308	7.43	26.61	457.69	1056.78		165.94			181810	< LOD	
1231	2119.37	11558.6	5938.5	6.09	41.03	529.36	2619.16		77.24			254381	< LOD	
1232	5121.64	35168.5	11443	< LOD	135.24	211.56	1146.12		139.98			77819	< LOD	
1233	1041.18	2812.58	1255.5	4.86	8.03	556.9	1643.64		13.76			314067	< LOD	

Reading No	Sc	Y	Nb	Cs	Nd	La	Pr	Ce	Pd
1131	< LOD			105.31					< LOD
1132	< LOD			98.43					< LOD
1133	< LOD			< LOD					< LOD
1134	< LOD			84.3					< LOD
1135	< LOD			91.76					< LOD
1136	< LOD			101.8					< LOD
1137	< LOD			45.5					< LOD
1138	123.59			125.64					< LOD
1139	99.62			127.49					< LOD
1140	73.76			115.24					< LOD
1141	< LOD			81.28					< LOD
1142	77.14			104.08					< LOD
1143	< LOD			93.92					< LOD
1144	< LOD			< LOD					< LOD
1145	87.34			102.97					< LOD
1146	< LOD			112.37					< LOD
1147	146.67			110.12					< LOD
1148	< LOD			126.25					16.04
1149	< LOD			88.99					17.01
1150	113.54			109.54					< LOD
1151	< LOD			78.69					< LOD
1152	144.13			86.68					< LOD
1155	< LOD			116.8					< LOD
1156	78.02			116.92					< LOD
1157	< LOD			< LOD					< LOD
1158	< LOD			123.14					< LOD
1159	< LOD			< LOD					< LOD
1160	< LOD			< LOD					< LOD
1161	< LOD			92.2					< LOD
1162	< LOD			122.18					29.86
1163	73.12			118.08					< LOD
1164	< LOD			122.27					< LOD
1165	< LOD			91.97					< LOD
1166	< LOD			24.88					< LOD
1167	78.06			50.86					< LOD
1171	144.81			137.09					< LOD
1172	< LOD			98.73					< LOD
1173	< LOD			< LOD					< LOD
1174	< LOD			< LOD					< LOD
1175	56.71			130.3					< LOD
1176	< LOD			90.96					< LOD
1177	< LOD			120.65					< LOD
1178	< LOD			52.61					< LOD
1179	< LOD			123.23					< LOD
1180	< LOD			76.94					< LOD
1181	< LOD			72.8					< LOD
1182	< LOD			84.18					< LOD
1183	< LOD			< LOD					< LOD
1184	114.7			112.74					< LOD
1185	< LOD			112.95					< LOD
1186	16.63			94.74					< LOD
1187	< LOD			< LOD					< LOD
1188	< LOD			41.53					< LOD
1189	75.65			94.93					< LOD
1190	< LOD			< LOD					< LOD
1191	180.02			117.99					< LOD
1192	< LOD			107.03					< LOD
1193	141.33			113.74					< LOD
1195	< LOD			< LOD					< LOD
1198	< LOD			137.57					< LOD
1199	< LOD			87.67					< LOD
1200	< LOD			116.45					< LOD
1201	130.71			123.97					< LOD
1202	< LOD			137.59					< LOD
1203	66.17			115.36					< LOD
1204	51.64			99.39					< LOD
1205	< LOD			80.71					< LOD
1206	< LOD			< LOD					< LOD
1207	< LOD			54.34					< LOD
1208	< LOD			53.37					< LOD
1209	< LOD			< LOD					< LOD
1212	19.58			148.62					< LOD
1213	< LOD			78.03					< LOD
1214	69.25			136.57					< LOD
1215	28.66			104.35					< LOD
1216	108.76			149.86					< LOD
1217	65.04			77.61					< LOD
1218	< LOD			89.71					< LOD
1219	178.64			116.75					< LOD
1222	< LOD			85.93					< LOD
1223	< LOD			83.48					< LOD
1224	15.73			141.19					< LOD
1225	< LOD			116.74					< LOD
1226	< LOD			96.56					< LOD
1227	< LOD			122.71					< LOD
1228	< LOD			123.92					< LOD
1229	< LOD			124.7					< LOD
1230	< LOD			100.42					< LOD
1231	130.03			112.31					< LOD
1232	77.43			99.8					< LOD
1233	124.39			119.78					15.22

XRF Test on Host-Rock Zonation

FC13-11

All Readings: 120sec, in ppm

Soils Mode

Reading No	Depth	Description	Photo #	Duration
1242	3.05	Entire host rock is dark-grey/black weakly siliceous argillite	1549	120
1243	3.95		1550	120
1244	4.75	rusty bleb targeted (weathered py cube)	1551	120
1245	4.75	same location as above, not on py cube	1551	120
1246	5.50		1552	120
1248	6.15		1553	120
1249	6.80		1554	120
1250	7.50		1555	120
1251	8.20		1556	120
1252	9.40		1557	120
1253	10.10	w/qtz stringers and trace rusty py cubes	1558	120
1254	11.10		1559	120
1255	11.38		1560	120
1256	11.54	qtz vein in hostrock, XRF on selvege of vein	1561	120
1257	12.10		1562	120
1258	12.90		1563	120
1259	13.40		1564	120
1260	13.80		1565	120
1261	14.35		1566	120
1262	15.15		1567	120
1269	15.70		1570	120
1270	16.10		1571	120
1271	16.50		1572	120
1272	17.15		1573	120
1273	17.67		1574	120
1274	18.40	pyrite bleb in qtz in hostrock	1575	120
1275	19.05		1576	120
1276	19.57		1577	120
1277	20.15		1578	120
1278	20.60		1579	120
1279	21.35		1580	120
1280	21.90		1581	120
1281	22.45		1582	120
1282	22.90		1583	120
1283	23.80		1584	120
1284	24.30		1585	120
1285	25.10	pyrite content increases - small blebs and weakly pyritiferous	1586	120
1286	25.50	pyrite content increases - small blebs and weakly pyritiferous	1587	120
1287	26.00	weakly pyritiferous and brecciated/foliated with qtz	1588	120

Au	Ag	As	Fe	Hg	Sb	Bi	Se	Te	Cu	Zn	Pb	Cd	Sn	W	Mo	Ni	Co	V	Cr	S
< LOD	119.33	5.8	8445.58	10.33	35.52		< LOD	112.09	73.82	56.58	< LOD	14.96	35.48	< LOD	< LOD	67.64	< LOD	63.44	< LOD	< LOD
< LOD	135.17	< LOD	3455.19	< LOD	38.27		< LOD	137.88	13.92	25.04	< LOD	15.8	46.51	< LOD	< LOD	77.15	< LOD	73.89	28.33	< LOD
11.04	238.34	13.65	96419.2	< LOD	40.54		< LOD	160.04	157.72	190.21	< LOD	< LOD	43.42	< LOD	< LOD	153.99	< LOD	80.64	44.48	< LOD
< LOD	< LOD	< LOD	5788.95	< LOD	12.7		< LOD	43.97	27.58	31.47	< LOD	< LOD	21.2	< LOD	< LOD	54.81	< LOD	50.66	< LOD	< LOD
< LOD	134.48	5.24	3983.38	< LOD	38.19		< LOD	113.48	< LOD	14.49	< LOD	< LOD	29.43	< LOD	< LOD	68.57	< LOD	62.23	12.64	1079.6
< LOD	115.85	< LOD	1289.71	6.02	27.26		< LOD	111.66	< LOD	13.58	< LOD	15.18	33.03	< LOD	< LOD	51.06	< LOD	44.66	< LOD	563.05
< LOD	135.44	6.78	7964.5	< LOD	31.52		< LOD	123.37	17	29.54	< LOD	10.99	38.88	< LOD	< LOD	70.32	< LOD	34.18	< LOD	< LOD
< LOD	135.64	5.55	8409.27	6.72	47.43		5.3	138.44	48.02	83.44	< LOD	11.79	44.98	< LOD	< LOD	79.05	< LOD	80.07	48.37	< LOD
< LOD	< LOD	11.46	12776.3	8.7	20.7		17.9	97.46	69.07	47.46	< LOD	< LOD	36.14	< LOD	< LOD	87.22	< LOD	150.15	57.22	4023.92
< LOD	< LOD	< LOD	5514.54	< LOD	14.26		3.82	55.96	36.84	35.37	< LOD	< LOD	16.37	< LOD	< LOD	60.89	< LOD	102.58	41.9	16907.8
< LOD	< LOD	11.18	18433.4	< LOD	15.59		4.73	55.13	167.28	70.98	< LOD	< LOD	19.02	< LOD	< LOD	76.44	< LOD	62.28	21.4	17199.9
< LOD	122.94	4.08	1679.44	< LOD	29.47		3.15	109.75	114.09	22.96	< LOD	11.45	24.72	< LOD	< LOD	64.9	< LOD	35.67	11.38	1577.67
< LOD	130.19	5.78	6384.47	< LOD	21.23		4.53	111.58	86.14	55.87	< LOD	< LOD	26.9	< LOD	< LOD	77.65	< LOD	64.96	38.05	14174.6
< LOD	111.17	< LOD	5557.43	< LOD	31.68		3.39	122.1	55.75	79.45	< LOD	< LOD	39.24	< LOD	< LOD	57.67	< LOD	56.9	11.45	6002.41
< LOD	125.58	< LOD	6914.8	< LOD	34.18		< LOD	125.75	528.91	28.76	< LOD	12.33	34.4	< LOD	< LOD	93.92	< LOD	91.06	59.72	15349.9
< LOD	113.18	5.15	3672.71	< LOD	25.13		< LOD	83.78	900.06	43.66	< LOD	12.3	30.39	< LOD	< LOD	94.34	46.01	68.52	51.17	15687.1
7.58	186.6	5.59	24579	< LOD	43.25		< LOD	159.55	100.83	36.27	< LOD	< LOD	49.49	< LOD	< LOD	103.91	< LOD	< LOD	< LOD	2009.31
< LOD	130.31	3.83	3131.17	< LOD	33.03		< LOD	114.65	415.63	74.11	< LOD	10.91	33.51	< LOD	< LOD	62.97	< LOD	78.5	30.91	7830.26
< LOD	149.71	4.19	15656.6	< LOD	35.12		< LOD	120.33	59.55	42.82	< LOD	14.48	37.44	< LOD	< LOD	83.51	< LOD	58.93	< LOD	3646.72
< LOD	123.67	< LOD	4053.44	7.21	31.69		< LOD	91.74	29.55	25.94	< LOD	< LOD	27.28	< LOD	< LOD	64.38	< LOD	26.93	28.53	3110.34
< LOD	142.09	9.24	4873.13	< LOD	38.54		< LOD	122.82	989.07	139.38	< LOD	14.15	37.57	< LOD	< LOD	105.61	71.88	108.33	64.8	10015.5
9.76	244.16	11.31	103380	< LOD	60.34		< LOD	224.27	177.44	790.43	< LOD	21.44	62.11	45.19	< LOD	178.09	< LOD	72.71	41.87	2455.91
< LOD	112.89	< LOD	2173.66	< LOD	25.35		< LOD	93.01	237.5	57.21	< LOD	< LOD	30.84	< LOD	< LOD	72.37	< LOD	102.26	73.61	2180.71
< LOD	103.46	9.45	6429.22	< LOD	25.34		< LOD	55.87	95.13	132.12	< LOD	< LOD	23.73	< LOD	4.26	106.99	< LOD	147.87	71.46	17976.5
< LOD	118.27	4.28	5123.45	6.96	31.55		< LOD	126.81	240.66	114.08	< LOD	16.68	31.38	< LOD	< LOD	97.32	60.4	179.15	172.53	5991.03
< LOD	163.6	68.68	124060	< LOD	24.56		35.03	44.47	193.36	410.35	68.95	< LOD	21.36	< LOD	11.24	177.47	< LOD	40.42	< LOD	191666
6.78	132.8	3.66	4247.84	< LOD	42.32		< LOD	122.15	33.01	41.6	< LOD	24.26	42.01	< LOD	< LOD	63.75	< LOD	55.83	25.66	4991.76
< LOD	129.73	3.67	4818.62	< LOD	27.3		< LOD	107.3	50.24	30.25	< LOD	12.23	32.33	< LOD	< LOD	76.91	< LOD	40.52	< LOD	4833.66
< LOD	133.13	< LOD	3837.4	< LOD	34.61		< LOD	132.39	51.85	93.78	< LOD	16.03	38.13	< LOD	< LOD	91.04	< LOD	115.38	64.15	5218.56
< LOD	129.72	< LOD	2182.42	< LOD	33.83		< LOD	123.91	151.5	79.78	< LOD	18.75	26.8	< LOD	< LOD	85.13	< LOD	64.16	12.89	9709.41
8.6	135.31	4.05	5539.07	< LOD	38.19		< LOD	114.32	93.88	47.18	< LOD	19.17	43.09	< LOD	< LOD	81.47	69.38	95.41	37.11	7052.1
< LOD	128.31	6.41	4752.08	< LOD	29.33		< LOD	114.41	143.63	50.78	< LOD	15.09	37.76	< LOD	< LOD	93.42	< LOD	81.06	49.21	4314.94
< LOD	172.18	10.02	17752	7.69	33.17		4.01	125.46	63.47	114.62	< LOD	15.48	39.68	< LOD	< LOD	139.25	< LOD	153.89	78.74	9406.7
< LOD	123.76	3.82	3920.15	< LOD	33.66		< LOD	137.34	114.34	61.46	< LOD	11.19	35.99	< LOD	< LOD	82.81	< LOD	64.4	43.05	5471.42
< LOD	128.56	< LOD	3284.87	< LOD	22.72		< LOD	100.95	132.65	44.27	< LOD	12.17	28.2	< LOD	< LOD	78.83	< LOD	59.23	23.45	6262.11
< LOD	133.32	9.4	6029.46	< LOD	24.48		< LOD	97.45	69.02	27.86	< LOD	< LOD	30.87	< LOD	< LOD	72.49	79	109.53	62.22	7903.32
8.74	158.79	< LOD	5710.13	< LOD	35.76		< LOD	127.86	16.93	14.9	21.4	13.04	44.16	< LOD	< LOD	72.54	66.41	19.18	< LOD	< LOD
7.36	110.34	< LOD	4436.99	< LOD	25.56		< LOD	94.41	27.61	53.37	< LOD	13.46	24.63	< LOD	< LOD	65.65	< LOD	83.45	74.16	1194
< LOD	< LOD	15.7	19899.6	< LOD	14.05		< LOD	54.1	243.35	149.44	< LOD	< LOD	28.03	< LOD	10.4	93.38	< LOD	200.45	204.82	27487.9

Ba	K	Ti	Th	Rb	Sr	Mn	Si	Zr	P	Al	Ca	U	Cl
702.82	11761	1072.4	4.58	28.47	2.89	108.91		31.5			< LOD	< LOD	
954.1	13402	1237.3	4.69	38.8	4.1	88.8		41.79			< LOD	< LOD	
1299.46	17761	2084.1	12.19	61.41	6.95	1341.59		95.49			309.12	< LOD	
463.8	8276.4	777.39	3.58	22.72	2.15	120.8		26.61			< LOD	< LOD	
792.14	9019	1191	4.17	29.43	3.11	127.93		49.33			272.42	6.38	
522.49	6249.8	695.75	< LOD	18.63	1.74	92.12		22.99			231.9	< LOD	
611.89	5528.4	793.84	3.8	18.46	3.3	141.5		30.47			< LOD	< LOD	
856.5	11333	1304.4	5.14	31.98	3.67	134.65		47.56			< LOD	7.16	
1533.78	24427	2228.3	8.46	80.19	5.66	194.52		84.99			871.35	9.53	
914.57	16849	1806.5	6.95	53.48	8.43	145.15		61.16			8919.74	8.22	
638.58	8485	784.8	4.29	26.57	4.69	142.93		33.89			2946.12	< LOD	
554.77	4266.4	436.6	< LOD	18.35	3.97	102.46		21.12			< LOD	< LOD	
718.81	8965.2	995.63	4.83	29.59	7.5	142.02		40.69			3380.91	7.52	
677.29	8012.9	776.06	3.76	23.58	4.77	86.01		25.03			1011.35	< LOD	
877.06	13554	1634.2	6.63	43.58	8.1	295.21		48.38			1715.22	6.03	
949.89	11508	1155.9	5.02	40.58	6.58	143.82		39.07			6113.62	< LOD	
787.49	2528.9	81.66	4.08	8.51	270.5	1186.78		10.52			134473	< LOD	
759.78	12277	1034.6	4.66	38.39	7.02	171.88		35.5			660.74	7.07	
895.84	9758.9	912.94	4.55	31.65	42.07	473.05		34.06			11587	< LOD	
484.06	3959.3	433.79	3.89	13.28	53.11	272.21		23.38			17173.6	< LOD	
1091.39	14693	1521.4	6.16	57.64	9.07	154.18		50.38			4025.1	7.39	
1288.23	9380.1	1494.1	11.18	38.2	21.88	1062.64		64.83			4251.5	8.09	
773.7	13921	1002	4.61	47.99	7.45	125.97		36.17			86.35	5.52	
1025.92	17371	1303.9	7.03	59.53	10.1	130.83		59.89			6908.61	7.08	
1163.18	25843	2836.5	6.87	66.95	17.75	135.04		49.92			3019.38	7.8	
577.63	2809.2	281.68	9.78	12.25	7.59	362.85		20.07			1948.1	10.24	
808.02	11445	1226.1	< LOD	20.16	22.3	187.63		31.55			7998.03	< LOD	
612.54	6420.3	546.84	< LOD	20.02	82.98	278.15		21.32			23864.6	< LOD	
992.57	19577	2059.2	6.45	57.47	12.53	129.4		53.97			1212.35	< LOD	
718.39	7720.3	734.55	< LOD	26.55	8.83	116.69		22.83			735.29	< LOD	
994.86	17498	1741.4	3.91	51.64	38.72	200.46		54.63			9153.4	5.7	
1001.7	13060	1529.3	4.7	46.97	16.93	125.94		50.11			2522.18	< LOD	
1370.03	24106	2354.3	6.79	73.08	117.7	521.57		67.28			30566.6	8.43	
863.97	11104	1178.4	4.21	35.77	5.07	106.67		41.29			< LOD	< LOD	
721.44	6794.3	639.67	< LOD	29.62	5.17	120.22		32.53			96.56	< LOD	
1083.9	17719	2256.9	4	60.59	10.22	108.25		79.36			< LOD	6.37	
529.62	2725.1	275.02	< LOD	11.24	97.33	279.7		16.16			21641.5	< LOD	
747.83	9775.2	1451	4.63	33.6	29.32	138.22		60.02			2309.4	7.03	
1432.4	37032	3633.9	13.53	111.73	128.26	448.08		190.09			28178.3	13.4	

Sc	Y	Nb	Cs	Nd	La	Pr	Ce	Pd
< LOD			98.15					< LOD
< LOD			117.52					< LOD
< LOD			154.96					< LOD
< LOD			53.98					< LOD
< LOD			104.07					< LOD
< LOD			86.43					< LOD
< LOD			101.55					< LOD
< LOD			108.29					< LOD
< LOD			86.58					< LOD
< LOD			61.12					< LOD
< LOD			55.46					< LOD
< LOD			82.81					< LOD
< LOD			97.39					< LOD
< LOD			91.4					< LOD
< LOD			96.44					< LOD
< LOD			90.94					< LOD
67.81			125.8					< LOD
< LOD			93.47					< LOD
< LOD			104.28					< LOD
< LOD			89.13					< LOD
< LOD			115.33					< LOD
< LOD			177.88					< LOD
< LOD			80.21					< LOD
< LOD			76.37					< LOD
< LOD			94.83					< LOD
< LOD			57.42					< LOD
< LOD			106.42					< LOD
< LOD			91.39					< LOD
< LOD			101.61					< LOD
< LOD			97.19					< LOD
< LOD			109.98					< LOD
< LOD			98.6					< LOD
< LOD			119.04					< LOD
< LOD			98.3					< LOD
< LOD			93.21					< LOD
< LOD			93.36					< LOD
25.63			115.59					< LOD
< LOD			85.45					< LOD
39.68			61.18					< LOD

XRF Test on Host-Rock Zonation

FC13-12

All Readings: 120sec, in ppm

Soils Mode

Note: Rock is VERY incompetent and fractured and depths are subsequently not precise

Reading No	Depth (m)	Description	Photo #	Duration
1292	3.63	silicified oxidized rock at top of hole	1598	120
1293	5.13	weakly pyritiferous phyllite rusty, qtz stringers, silicified	1599	120
1294	5.79	bleached phyllites? Silicifed, oxidized	1600	120
1295	6.60	quartz vein with oxidation	1601	120
1296	7.00	brecciated/foliated hostrock, oxidized, with muscovite and elongate clasts	1602	120
1297	7.00	brecciated/foliated hostrock, oxidized, with muscovite and elongate clasts	1602	120
1298	8.00	brecciated/foliated hostrock, oxidized, with muscovite and elongate clasts	1603	120
1299	8.00	brecciated/foliated hostrock, oxidized, with muscovite and elongate clasts	1603	120
1300	11.60	black argillite	1605	120
1301	14.00	brecciated argillite with clasts	1604	120
1302	15.00	brecciated argillite with clasts	1606	120
1303	15.00	brecciated argillite with clasts	1606	120
1304	16.50	brecciated and silicified argillite	1607	120
1305	17.00	brecciated and silicified argillite	1611	120
1306	19.50	brecciated and silicified argillite	1609	120
1307	20.00	brecciated and silicified argillite	1610	120
1310	23.32	brecciated and silicified argillite w/ small py blebs	1617	120
1311	23.32	brecciated and silicified argillite w/ small py blebs to repeat Au hit	1617	120
1312	24.05	qtz stringer zone with py in FOV	1618	120
1313	24.20	qtz stringer zone with py in FOV	1619	120
1314	24.25	pyrite vein in stringer zone	1620	120
1315	24.45	pyrite vein in stringer zone	1621	120
1317	29.39	dark pyritic sand	1622	120
1329	26.00	dark pyritic sand	1623	120
1330	26.55	gouge - grey	1624	120
1331	27.10	gouge - grey	1625	120
1332	27.50	dark pyritic sand	1626	120
1333	28.00	dark pyritic sand	1627	120
1334	28.50	dark pyritic sand	1628	120
1335	29.50	dark pyritic sand	1629	120
1336	30.00	schistose light grey brecciated rock	1630	120
1337	31.00	dark pyritic sand	1631	120
1338	31.50	schistose light grey brecciated rock	1632	120
1339	32.00	dark pyritic sand	1634	120
1340	32.70	schistose light grey brecciated rock	1635	120
1341	33.00	schistose light grey brecciated rock with green mineral (ni? Cr-mica?)	1637	120
1342	33.00	schistose light grey brecciated rock with green mineral (ni? Cr-mica?)	1637	120
1343	33.50	dark pyritic sand	1636	120
1344	34.00	schistose light grey brecciated rock	1641	120
1345	35.00	schistose light grey brecciated rock; has stringers and veins of qtz	1638	120
1346	35.15	schistose light grey brecciated rock; has stringers and veins of qtz	1639	120
1349	36.00	schistose light grey brecciated rock; has stringers and veins of qtz	1641	120
1350	37.00	dark pyritic sand	1642	120
1351	38.00	dark pyritic sand	1643	120
1352	38.50	grey gouge	1644	120
1353	39.25	brecciated gouged rock	1645	120
1354	40.00	dark pyritic sand	1646	120
1355	41.00	unsorted breccia, host rock - FOV on v.small stringer	1647	120
1356	41.35	unsorted breccia, host rock	1648	120
1357	42.00	unsorted breccia, host rock	1650	120
1358	43.00	black argillite	1651	120
1361	44.00	dark pyritic sand	1652	120
1362	45.00	brecciated gouged rock	1653	120
1363	45.90	brecciated hostrock	1654	120
1364	46.50	dark pyritic sand	1655	120
1365	47.35	brecciated hostrock	1656	120
1366	48.00	bleached brecciated gougen rock	1657	120
1367	49.00	dark pyritic sand	1658	120
1368	49.50	black gouge, graphitic/carbonaceous	1659	120
1369	50.00	black argillite	1660	120
1370	50.80	dark pyritic sand	1661	120
1371	51.50	black argillite	1662	120
1372	52.00	black argillite	1663	120
1373	52.10	black argillite; with py & qtz bleb	1664	120
1374	52.50	black argillite	1665	120
1375	53.00	light grey bleached rock; w/crystalline py	1666	120
1376	53.50	light grey bleached rock; w/crystalline py	1667	120
1377	54.00	light grey bleached rock; w/crystalline py	1668	120
1378	54.50	light grey bleached rock; w/crystalline py	1669	120
1379	55.00	light grey bleached rock; w/crystalline py	1670	120
1380	55.00	light grey bleached rock; w/crystalline py	1671	120
1381	56.00	light grey bleached rock; w/crystalline py	1672	120
1388	56.50	light grey bleached rock; w/crystalline py	1685	120
1389	56.95	light grey bleached rock; w/crystalline py	1686	120
1390	57.50	light grey bleached rock; w/crystalline py	1687	120
1391	58.00	black argillite	1688	120
1392	58.50	black argillite	1689	120
1393	59.00	black argillite	1690	120
1394	59.40	black argillite	1691	120
1395	60.00	black argillite	1692	120
1396	61.00	black argillite	1693	120
1397	61.50	qtz vein in black argillite	1694	120
1398	62.00	small qtz bleb with py	1700	120
1399	63.05	black argillite	1695	120
1400	63.50	black argillite	1696	120
1401	64.00	black sludge	1697	120
1402	65.00	black argillite	1698	120
1403	65.50	black argillite	1699	120
1404	66.50	black argillite	1701	120
1405	67.00	black argillite	1702	120
1406	67.50	qtz vein in black argillite	1703	120
1407	68.00	qtz vein in black argillite	1704	120
1408	68.50	black argillite	1705	120
1411	69.00	black argillite	1706	120
1412	69.95	brecciated qtz and argillite	1707	120
1413	70.50	black argillite	1708	120
1414	71.00	black argillite	1709	120
1415	71.50	black argillite	1710	120
1416	72.00	black argillite	1711	120
1417	72.50	black argillite w/slightly more py, foliated	1712	120
1418	73.00	black argillite w/slightly more py, foliated	1713	120
1419	73.50	black argillite	1714	120
1420	74.00	black argillite	1715	120
1421	74.50	black argillite	1716	120
1422	75.00	black argillite	1717	120
1423	75.05	py bleb in qtz in argillite	1718	120
1426	75.50	black argillite	1724	120
1427	76.50	black argillite	1725	120
1428	77.00	black argillite	1726	120
1429	77.50	black argillite	1728	120
1430	78.00	black argillite	1729	120
1431	78.50	black argillite; locally wavy with qtz blebs	1730	120
1432	79.00	black argillite	1731	120
1433	79.50	light -grey green altered rock	1732	120
1434	80.00	light -grey green altered rock	1733	120
1435	80.25	light -grey green altered rock	1734	120
1436	80.80	interbed of black argillite	1736	120
1437	81.50	light -grey green altered rock	1735	120
1438	82.00	light -grey green altered rock	1737	120
1440	82.50	light -grey green altered rock	1738	120
1441	83.00	light -grey green altered rock	1739	120
1442	83.35	light -grey green altered rock with alteration spots	1740	120
1443	84.00	light -grey green altered rock	1741	120
1444	84.50	light -grey green altered rock	1742	120
1445	85.00	light -grey green altered rock	1743	120
1446	85.00	light -grey green altered rock gouge	1744	120
1447	86.00	light -grey green altered rock	1745	120
1448	86.50	light -grey green altered rock	1746	120
1449	87.00	black gougen argillite with small py grains	1747	120
1452	87.50	black argillite w/brecciated elongate clasts	1754	120
1453	88.15	black argillite	1755	120
1454	88.50	black argillite	1757	120
1455	89.00	black argillite	1758	120
1456	89.50	black argillite	1759	120
1457	90.10	pyrite bleb on black argillite	1760	120
1458	90.50	black argillite	1761	120
1459	91.00	black argillite	1763	120
1462	91.50	black argillite	1764	120
1461	92.00	black argillite	1765	120
1463	92.50	altered l grey rock	1766	120
1464	93.00	altered l grey rock	1767	120
1465	93.50	altered l grey rock	1768	120
1466	94.00	altered l grey rock	1769	120
1467	94.50	altered l grey rock	1770	120
1468	95.00	altered l grey rock	1771	120
1469	95.45	qtz vein in fractured argilite w/galena blebs	1772	120
1470	96.00	black argillite interbed	1773	120
1471	96.50	altered l grey rock	1774	120
1472	97.00	altered l grey rock	1775	120
1473	97.50	altered l grey rock	1776	120
1474	98.50	altered l grey rock	1777	120
1475	98.50	qtz vuggy vein - qtz carb? Oxidized colour; ankerite? (see core photo)	1783	120
1482	99.00	altered l grey rock	1787	120
1483	99.50	black argillite	1789	120
1484	100.00	black argillite	1794	120
1485	101.00	altered l grey rock	1790	120
1486	101.50	altered l grey rock	1791	120
1487	102.05	pyrite in qtz vein; very fine grained (see core photo)	1792	120
1488	102.50	altered l grey rock	1793	120
1489	103.00	altered l grey rock	1795	120
1490	103.35	altered l grey rock w/gougen texture	1796	120
1491	104.00	altered l grey rock	1797	120
1492	104.50	black argillite interbed	1798	120
1493	105.00	altered l grey rock	1799	120
1494	105.50	altered l grey rock	1800	120
1495	106.00	altered l grey rock	1801	120

Reading No	Au	Ag	As	Fe	Hg	Sb	Bi	Se	Te	Cu	Zn	Pb	Cd	Sn	W	Mo	Ni	Co	V	Cr	S
1292	< LOD	139.21	< LOD	4196.63	< LOD	38.24		< LOD	133.36	< LOD	17.54	< LOD	14.07	40.49	< LOD	< LOD	64.7	< LOD	16.8	< LOD	< LOD
1293	< LOD	109.93	5.99	36190.3	< LOD	29.92		< LOD	108.38	< LOD	55.74	< LOD	< LOD	29.69	< LOD	< LOD	89.34	< LOD	62.26	46.46	< LOD
1294	< LOD	125.96	15.98	43907.4	9.44	19.7		< LOD	64.9	< LOD	40.28	< LOD	< LOD	26.77	< LOD	< LOD	125.98	< LOD	288.45	249.26	< LOD
1295	< LOD	128.56	< LOD	767.44	< LOD	43.68		< LOD	131.46	< LOD	< LOD	< LOD	11.07	37.85	< LOD	< LOD	47.53	< LOD	82.67	< LOD	< LOD
1296	11.51	135.51	< LOD	33914	8.98	29.57		< LOD	105.13	29.55	35.22	< LOD	< LOD	41.86	< LOD	< LOD	158.43	< LOD	< LOD	70.03	654.13
1297	8.89	119.73	5.19	17481.1	< LOD	28.57		< LOD	140.04	19.16	29.95	< LOD	< LOD	34.98	< LOD	< LOD	146.47	< LOD	50.57	93.02	< LOD
1298	12.34	104.66	7.29	33438.6	12.38	31.18		< LOD	99.81	< LOD	36.57	< LOD	< LOD	31.65	< LOD	< LOD	186.58	< LOD	74.02	97.29	1965.64
1299	14.49	135.62	7.13	35953.2	< LOD	22.96		< LOD	116.28	< LOD	44.14	< LOD	< LOD	33.23	< LOD	< LOD	174.46	< LOD	101.1	129.79	< LOD
1300	< LOD	106.52	10.33	4302.24	< LOD	34.39		4.86	130.35	22.2	212.5	< LOD	< LOD	25.26	< LOD	17.4	128.44	59.89	214.14	70.16	5022.26
1301	8.47	107.11	< LOD	4229.57	8.71	28.04		< LOD	126.86	20.43	34.13	< LOD	13.31	32.92	< LOD	< LOD	96.54	56.22	75.38	44.29	< LOD
1302	7.04	135.18	< LOD	16793.2	< LOD	21.83		< LOD	101.04	18.26	38.81	< LOD	< LOD	30.27	< LOD	< LOD	85.44	< LOD	< LOD	14.42	482.38
1303	< LOD	138.08	4.52	19305.7	< LOD	35.02		< LOD	102.17	30.3	49.88	< LOD	< LOD	31.84	42.97	< LOD	101.25	< LOD	50.71	18.52	< LOD
1304	9.8	151.52	< LOD	10748	< LOD	42.4		< LOD	151.71	< LOD	27.36	< LOD	17.05	41.55	< LOD	< LOD	106.26	< LOD	37.36	31.65	840.52
1305	< LOD	120.22	< LOD	10801.5	< LOD	23.95		< LOD	106.36	< LOD	19.04	< LOD	< LOD	29.61	< LOD	< LOD	71.15	82.13	18.93	< LOD	< LOD
1306	6.28	133.58	< LOD	4359.2	< LOD	31.15		< LOD	133.37	< LOD	11.8	< LOD	18.11	36.02	< LOD	< LOD	70.57	62.13	25.62	< LOD	< LOD
1307	< LOD	127.79	< LOD	5853.41	7.68	37.55		< LOD	130.6	16.57	11.57	< LOD	18.62	47.6	< LOD	< LOD	80.22	< LOD	< LOD	14.57	766.23
1310	7.88	149.15	< LOD	10447.2	< LOD	51.02		< LOD	154.87	< LOD	30.94	< LOD	11.85	48.03	< LOD	< LOD	93.02	< LOD	35.97	25.38	< LOD
1311	< LOD	109.33	< LOD	6490.45	< LOD	31.67		< LOD	107.42	26.6	20.81	< LOD	< LOD	29.76	< LOD	< LOD	99.56	< LOD	53.75	47.94	2030.86
1312	< LOD	105.79	65.22	48859.5	< LOD	16.81		9.27	< LOD	72.28	161.94	< LOD	< LOD	< LOD	27.72	< LOD	200.02	< LOD	57.87	< LOD	78069
1313	< LOD	115.48	< LOD	2534.49	6.54	31.91		< LOD	133.26	14.77	40.73	< LOD	15.44	27.92	< LOD	< LOD	61.2	< LOD	101.89	< LOD	918.94
1314	10.94	172.66	197.9	143578	< LOD	< LOD		23.44	83.78	173.19	173.75	112.05	< LOD	40.44	< LOD	4.95	297.07	531.54	39.42	< LOD	142882
1315	< LOD	103.72	< LOD	4882.34	< LOD	29.57		< LOD	89.8	29.57	76.91	< LOD	< LOD	26.74	< LOD	< LOD	88.04	< LOD	55.75	< LOD	2206.16
1317	8.76	< LOD	17.91	19914.7	< LOD	< LOD		< LOD	< LOD	154.03	152.18	95.57	< LOD	< LOD	204.6	37.44	41.65	< LOD	85.36	55.3	1496.65
1329	< LOD	< LOD	15.22	30428.2	< LOD	< LOD		4.16	< LOD	114.37	152.08	12.13	< LOD	< LOD	126.37	16.88	77	< LOD	41.67	113.89	730.45
1330	< LOD	116.44	5	19856.2	< LOD	21.09		< LOD	78.16	74.73	105.97	< LOD	< LOD	36.28	49.28	< LOD	84.14	131.09	95.92	71.18	10915.3
1331	12.22	208.87	62.47	21263.5	< LOD	49.65		< LOD	177.02	< LOD	64.28	< LOD	19.51	50.03	< LOD	< LOD	139.96	203.42	53.37	13.19	< LOD
1332	< LOD	< LOD	10.71	37942.9	< LOD	< LOD		< LOD	< LOD	67.71	96.24	12.94	< LOD	< LOD	67.31	9.77	36.45	< LOD	47.98	66.53	842
1333	< LOD	< LOD	10	28792.4	< LOD	16.67		5.27	< LOD	98.26	100.95	< LOD	< LOD	< LOD	61.75	6.71	42.25	172.41	59.64	60.25	1120.78
1334	< LOD	< LOD	12.09	18430.6	< LOD	< LOD		< LOD	< LOD	103.97	136.98	26.99	< LOD	< LOD	132.65	25.91	65.13	< LOD	129.75	63.66	445.88
1335	< LOD	< LOD	12.79	18310.4	< LOD	< LOD		6.17	< LOD	77.07	149.76	20.33	< LOD	< LOD	129.82	33.03	55.02	134.27	115.16	58.96	849.31
1336	10.88	107.91	37.19	24985.5	9.01	28.86		< LOD	91.73	< LOD	102.07	< LOD	< LOD	37.73	< LOD	< LOD	100.18	210.76	85.88	65.67	< LOD
1337	< LOD	< LOD	9.17	23888.5	< LOD	< LOD		< LOD	< LOD	74.72	96.6	< LOD	< LOD	< LOD	48.08	6.06	40.99	< LOD	74.49	90.26	< LOD
1338	10.4	141.44	17.61	50151	< LOD	18.23		< LOD	94.39	74.5	90.76	< LOD	< LOD	26.94	< LOD	< LOD	162.14	< LOD	75.12	142.62	1433.71
1339	< LOD	< LOD	28.36	34584.5	< LOD	< LOD		< LOD	< LOD	48.2	68.93	< LOD	< LOD	< LOD	< LOD	10.1	80.45	< LOD	58.92	67.09	< LOD
1340	< LOD	108.09	5.34	17902.4	8.04	14.42		< LOD	83.28	< LOD	41.84	< LOD	< LOD	< LOD	< LOD	< LOD	78.13	< LOD	45.89	36.42	< LOD
1341	< LOD	231.86	190.21	89809.2	11.07	51.2		< LOD	168.87	31.99	225.99	< LOD	17.79	61.87	< LOD	< LOD	465.81	< LOD	290.27	3727.5	< LOD
1342	< LOD	211.59	224.19	85454	< LOD	39.78		< LOD	126.09	57.46	177.61	< LOD	< LOD	46.13	< LOD	< LOD	400.5	< LOD	159.16	1579.5	< LOD
1343	< LOD	< LOD	18.95	35778.8	< LOD	< LOD		< LOD	39.97	58	91.91	< LOD	< LOD	< LOD	47.4	7.65	65.92	< LOD	71.46	117.31	< LOD
1344	8.25	132.26	7.33	30478.9	< LOD	25.38		< LOD	92.52	21.84	27.97	< LOD	< LOD	37.24	< LOD	< LOD	94.13	< LOD	< LOD	65.71	< LOD
1345	7.12	121.55	< LOD	8100.75	< LOD	37.85		< LOD	119.75	< LOD	7.53	< LOD	< LOD	48.08	< LOD	< LOD	74.69	< LOD	16.01	52.04	< LOD
1346	11.59	223.81	11.03	63499	< LOD	35.03		< LOD	137.84	< LOD	57.56	< LOD	17.38	46.73	< LOD	< LOD	132.04	< LOD	45.84	142.37	< LOD
1349	7.85	204.71	< LOD	63796.2	< LOD	66.23		< LOD	228.67	39	102.35	< LOD	32.27	62.89	< LOD	< LOD	147.6	< LOD	112.39	152.31	< LOD
1350	< LOD	< LOD	11.83	32676.8	< LOD	< LOD		< LOD	41.62	44.46	141.26	< LOD	< LOD	< LOD	29.78	6.04	47.99	< LOD	42.72	134.49	< LOD
1351	< LOD	< LOD	26.4	38192	< LOD	< LOD		< LOD	46.59	72.52	78.48	< LOD	< LOD	< LOD	51.98	< LOD	66.62	< LOD	43.52	137.69	521.34
1352	11.87	160.2	50.51	46895.8	10.92	35.72		4.57	127.31	270.42	251.59	< LOD	21.25	28.7	< LOD	< LOD	256.98	241.62	130.41	310.08	< LOD
1353	10.29	< LOD	8.33	34553.4	< LOD	26.66		< LOD	111.61	40.03	184.6	< LOD	< LOD	25.63	< LOD	< LOD	97.74	203.33	96.79	121.43	2101.29
1354	< LOD	< LOD	75.31	43123.3	< LOD	< LOD		< LOD	< LOD	79.32	89.94	< LOD	< LOD	< LOD	33.75	8.45	77.38	< LOD	57.7	222.62	< LOD
1355	< LOD	143.84	< LOD	21085.4	< LOD	31.63		< LOD	132.66	21.33	392.54	13	< LOD	44.59	39	< LOD	111.32	159.84	32.05	15.6	35127.1
1356	8.32	127.69	5.04	27850.4	8.63	37.35		3.9	130.35	57.13	52.09	< LOD	18.12	28.64	< LOD	< LOD	146.09	< LOD	102.07	176.13	< LOD
1357	7.17	142.66	< LOD	14683.4	< LOD	34.04		< LOD	103.48	16.46	32.64	< LOD	< LOD	28.07	< LOD	< LOD	80.98	< LOD	< LOD	< LOD	< LOD
1358	< LOD	105.4	< LOD	4418.71	< LOD	33.24		< LOD	119.29	87.59	17.99	< LOD	13.39	26.24	< LOD	4.83	70.32	< LOD	76.63	< LOD	611.9
1361	< LOD	< LOD	19.07	34549.4	< LOD	< LOD		< LOD	< LOD	57.67	80	< LOD	< LOD	< LOD	< LOD	8.59	44.64	144.96	54.67	83.51	571.53
1362	7.31	< LOD	< LOD	7656.04	< LOD	< LOD		< LOD	< LOD	< LOD	32.82	< LOD	< LOD	< LOD	< LOD	< LOD	87.88	78.38	138.22	95.98	< LOD
1363	10.88	154.61	6.03	76991.3	< LOD	18.5		< LOD	90.52	55.99	57.63	< LOD	< LOD	39.36	< LOD	< LOD	129.26	< LOD	105.64	78.66	< LOD
1364	< LOD	< LOD	14.09	40250.4	< LOD	< LOD		< LOD	63.61	70.17	130.57	< LOD	< LOD	18.15	39.46	7.74	62.15	< LOD	50.84	81.05	459.82
1365	7.13	108.43	< LOD	9188.89	< LOD	30.63		< LOD	139.37	40.27	39.98	< LOD	< LOD	30.01	< LOD	< LOD	108.63	< LOD	69.53	30.69	748.87
1366	< LOD	123.27	< LOD	5552.46	< LOD	36.42		< LOD	135.79	< LOD	18.89	< LOD	13.14	35.13	< LOD	< LOD	51.86	< LOD	28.44	< LOD	< LOD
1367	< LOD	< LOD	12.9	36757	< LOD	14.96		< LOD	68.32	62.76	144.06	< LOD	< LOD	< LOD	49.4	6.01	45.01	< LOD	33.38	51.93	< LOD
1368	< LOD	< LOD	4.9	8164.29	< LOD	23.37		< LOD	62.26	119.97	92.63	< LOD	< LOD	14.37	< LOD	< LOD	43.06	< LOD	125.06	49.31	2788.03
1369	< LOD	112.18	13.25	15632.6	< LOD	15.12		3.73	37.1	21.33	53.42	< LOD	< LOD	21.05	29.12	< LOD	99.38	98.91	79.91	93.42	18439.5
1370	< LOD	< LOD	7.31	48236	< LOD	16.56		< LOD	63.76	92.62	224.43	< LOD	< LOD	< LOD	< LOD	7.93	61.14	< LOD	65.67	64.83	1164.87
1371	< LOD	116.39	< LOD	1675.91	7.37	28.52		< LOD	138.18	45.72	25.18	< LOD	10.81	33.19	< LOD	< LOD	59.24	< LOD	91.03	60.5	< LOD
1372	11.65	158.11	4.47	24382.9	< LOD	41.3		< LOD	138.83	82.7	62.03	< LOD	17.64	39.19	< LOD	< LOD	115.12	< LOD	111.4	74.04	< LOD
1373	< LOD	153.96	169.91	400390	17.6	< LOD		70.86	< LOD	158.92	965.61	58.31	< LOD	36.51	< LOD	12.3	271.46	< LOD	61.78	151.33	334912
1374	7.57	147.19	< LOD	12105	< LOD	46.62		< LOD	152.12	38.87	88.48	< LOD	24.07	45.98	< LOD	< LOD	76.53	< LOD	148.61	111.62	< LOD
1375	< LOD	147.49	< LOD	59850.4	< LOD	20.94		5.25	99.58	65.82	1017.35	266.62	< LOD	32.74	< LOD	< LOD	146.96	< LOD	< LOD	< LOD	24523
1376	14.62	172.24	8.9	34979.6	14.95	35.06		< LOD	131.71	54.55	68.3	< LOD	15.3	39.77	< LOD	< LOD	165.54	< LOD	341.84	229.23	6785.92
1377	11.71	159.96	< LOD	56208	15.33	33.76		< LOD	103.99	230.87	91.7	< LOD	< LOD	36.47	< LOD	< LOD	171.72	< LOD	221.95	129.27	1511.58
1378	12.38	216.6	9.76	51377.8	12.81	44.36		< LOD	147.15	38.13	76.43	< LOD	17.92	46.76	< LOD	< LOD	158.31	< LOD	157.57	93.03	< LOD
1379	11.63	140.16	< LOD	34778.8	10.78	21.85		< LOD	124.02	51.5	82.23	< LOD	< LOD	29.35	< LOD	< LOD	122.26	< LOD	238.89	159.23	< LOD
1380	< LOD	157.41	44.93	92851.1	13.47	20.92		< LOD	63.24	46.93	133.83	< LOD	< LOD	45.1	< LOD	< LOD	335.96	< LOD	123.49	549.17	63110.1
1381	12.73	175.95	6.19	57782.9	< LOD	37.05		< LOD	143.06	26.53	84.02	< LOD	< LOD	44.99	< LOD	< LOD	147.71	< LOD	230.28	110.47	< LOD
1388	9.15	103.83	< LOD	4839.37	< LOD	23.35		< LOD	118.27	< LOD	15.9	525.09	12.84	23.73	< LOD	< LOD	47.64	< LOD	41.39	< LOD	1265.75
1389	10.63	163.63	72.24	43390.5	< LOD	29.31		< LOD	130.25	< LOD	71.52	< LOD	< LOD	38.87	< LOD	5.34	148.64	< LOD	241.6	110.49	< LOD
1390	10	174.21	6.25	51412.7	< LOD	46.92		< LOD	109.99	118.73	76.42	< LOD	< LOD	35.95	< LOD	< LOD	233.24	< LOD	220.8	89.71	1334.49
1391	< LOD	152.21	< LOD	10428.3	< LOD	43.63		4.05	147.17	23.67	86.54	10.02	< LOD	46	< LOD	4.22	97.16	< LOD	193.91	36.37	1195.06
1392	< LOD	< LOD	< LOD	5456.52	< LOD	17.81		< LOD	57.96	154.8	123.41	< LOD	< LOD	26.04	< LOD	3.96	156.16	< LOD	206.6	388.29	838.36
1393	< LOD	127.82	3.63	1924.37	< LOD	40.3		< LOD	124.09	32.18	28.45	< LOD	< LOD	38.83	< LOD	< LOD	71.27	< LOD	41.68	< LOD	1470.42
1394	< LOD	144.07	5.14	3709.76	< LOD	26.82		< LOD	135.17	125.69	37.28	< LOD	19.86	26.05	< LOD	< LOD	80.95	< LOD	62.9	79.48	3775.55
1395	10.93	139.23	11.57	8570.89	9.11	25.58		5.05	99.49	145.37	71.56	< LOD	< LOD	36.66	< LOD	< LOD	119.24	73.02	48.84	79.65	8948.53
1396	< LOD	116.8	5.3	2900.59	< LOD	34.05		< LOD	125.54	49.73	65.71	< LOD	17.09	47.01	< LOD	< LOD	79.38	< LOD	51.82	42.04	2887.62
1397	< LOD	120.99	< LOD	327.56	< LOD	32.79		< LOD	131.44	< LOD	6.73	< LOD	11.49	39.83	< LOD	< LOD	55.45	< LOD	< LOD	17.92	262.44
1398	15.04	293.71	141.26	233013	15.32	81.75		21.89	172.79	400.14	1299.08	207.43	< LOD	66.42	< LOD	< LOD	295.6	< LOD	< LOD	< LOD	320225
1399	< LOD	118.34	5.34	3949.13	< LOD	31.87		< LOD	107.5	58.24	43.42	< LOD	15.76	37.98	< LOD	< LOD	74.9	< LOD	52.53	60.69	2761.36
1400	< LOD	111.04	7.5	7849.56	< LOD	14.5		3.89	62.37	107.67	78.59	< LOD	< LOD	28.47	< LOD	< LOD	86.43	< LOD	61.96	64.79	7396.19
1401	< LOD	< LOD	15.87	15358.7	< LOD	< LOD		< LOD	< LOD	122.89	161.65	7.51	< LOD	< LOD	52.17	7.96	< LOD	89.94	50.33	104.55	683.69
1402	< LOD	153.56	9.48	10793	< LOD	36.88		5.64	118.72	142.67	243.23	< LOD	15.44	33.23	< LOD	3.87	115.17	85.55	240.11	72.64	2846.42
1403	< LOD	116.96	5.66	4668.52	< LOD	24.23		< LOD	89.72	43.92	23.83	< LOD	11.53	20.32	< LOD	< LOD	75.19	54.94	245.84	46.47	4077.64
1404	< LOD	115.42	< LOD	4222.57	< LOD	28		< LOD	102.99	40.84	47.64	< LOD	< LOD	33.69	< LOD	< LOD	79.82	< LOD	70.93	58.32	4230
1405	8.26	162.07	7.35	44897.7	< LOD	31.05		< LOD	133.09	187.42	85.34	< LOD	< LOD	47.1	< LOD	< LOD	153.08	< LOD	65.64	75.45	4334.29
1406	< LOD	132.98	8.63	2279.77	< LOD	32.81		< LOD	138.79	25.48	17.37	< LOD	< LOD	35.76	< LOD	< LOD	67.19	< LOD	24.04	< LOD	4376.61
1407	< LOD	113.28	< LOD	513.27	< LOD	29.21		< LOD	122.98	< LOD	10.65	< LOD	14.57	31.14	< LOD	< LOD	59.6	< LOD	< LOD	60.83	722.12
1408	7.88	151.99	13.21	9140.73	< LOD	30.89		3.64	145.05	138.05	84.34	< LOD	13.65	29.15	< LOD	< LOD	113.25	< LOD	106.97	87.35	9006.84
1411	< LOD	147.02	19.24	4655.4	< LOD	36.48		< LOD	120.98	113.66	53.75	13.36	< LOD	34.1	< LOD	< LOD	92.71	< LOD	64.46	57.53	5281.25
1412	< LOD	157.39	< LOD	12292.1	< LOD	32.94		< LOD	126.02	16.4	44.31	26.55	< LOD	37.03	< LOD	< LOD	96.93	< LOD	47.03	< LOD	1660.14
1413	< LOD	118.38	4.23	3198.89	< LOD	28.92		4.33	99.77	29.33	24.98	< LOD	< LOD	30.56	< LOD	< LOD	70.88	65.58	77.72	67.35	3104.73
1414	< LOD	113.35	6.74	4744.05	< LOD	29.83		2.96	90.92	52.17	148.82	6.54	11.6	24.83	< LOD	< LOD	73.71	< LOD	76.92	87.66	6984.57
1415	8.4	138.44	9.73	10213	< LOD	37.29		< LOD	137.74	59.94	85.94	< LOD	16.73	34.58	< LOD	< LOD	97.11	78.47	96.15	84.24	9380.27
1416	< LOD	129.7	9.03	6980.64	10.98	25.28		3.5	121.23	73.97	62.36	< LOD	16.24	39.06	< LOD	< LOD	84.19	< LOD	65.62	64.92	7891.79
1417	< LOD	151.99	< LOD	11583.7	< LOD	25.52		< LOD	110.89	304.79	428.58	< LOD	< LOD	34.82	< LOD	10.01	166.52	< LOD	412.34	114.74	2205.76
1418	7.5	148.39	8.18	11736.4	< LOD	23.49		< LOD	124.02	103.6	257.94	< LOD	< LOD	34.08	28.11	< LOD	113.83	< LOD	400.27	108	5687.32
1419	< LOD	128.91	< LOD	3521.2	< LOD	35.58		< LOD	110.61	37.34	753.1	< LOD	13.14	37.77	34.76	47.2	96.32	< LOD	544.91	241.65	1802.28
1420	< LOD	137.42	7.71	12185	< LOD	49.23		< LOD	186.34	57.65	107.56	< LOD	20.1	42.65	< LOD	< LOD	47.76	< LOD	168.81	88.03	5247.38
1421	9.37	172.28	< LOD	11388.3	< LOD	37.26		< LOD	123.27	71.92	76.24	< LOD	< LOD	39.53	< LOD	< LOD	91.53	< LOD	94.71	60.53	6395.52
1422	< LOD	124.48	6.69	8127.97	< LOD	32.74		< LOD	97.11	129.75	39.52	< LOD	< LOD	32.8	< LOD	< LOD	100.28	70.22	55.95	49.08	12244.9
1423	16.39	214.82	148.9	419213	< LOD	36.74		40.88	< LOD	384.97	289.86	171.19	< LOD	37.11	< LOD	8.16	253.12	< LOD	< LOD	< LOD	376523
1426	< LOD	114.44	< LOD	3528.09	< LOD	29.67		< LOD	119.42	20.04	11.31	< LOD	24.4	30.03	< LOD	< LOD	23.17	< LOD	< LOD	< LOD	1400.29
1427	< LOD	115.25	7	4271.7	< LOD	25.08		4.07	91.76	140.42	57.53	< LOD	12.47	22.99	< LOD	< LOD	81.05	69.07	80.65	78.69	5422.46
1428	< LOD	138.95	10.19	5738.56	< LOD	32.37		3.7	109.88	127.7	218.02	< LOD	< LOD	37.79	27.68	< LOD	90.9	76.73	73.41	58.6	10715.3
1429	< LOD	107.68	< LOD	1762.53	< LOD	28.84		< LOD	91.86	76.2	55.61	< LOD	10.61	23.37	< LOD	< LOD	53.09	< LOD	69.58	33.05	1561.9
1430	< LOD	150.46	15.77	21583.5	< LOD	< LOD		5.6	111.53	199.02	35.38	< LOD	< LOD	35.66	< LOD	< LOD	132.46	< LOD	114.35	86.6	9341.26
1431	< LOD	132.92	13.67	16725	10.86	20.78		6.06	92.36	191.98	92.2	< LOD	< LOD	21.08	< LOD	< LOD	119.22	125.34	299.88	100.24	12896.6
1432	7.99	137.12	4.82	5279.9	< LOD	37.11		< LOD	126.49	20.27	90.93	< LOD	15.35	37.23	< LOD	< LOD	85.18	< LOD	192.86	60.57	2829.94
1433	8.41	122.77	16.76	21046.7	10.68	< LOD		5.02	54.9	49.98	32.7	< LOD	< LOD	21.93	< LOD	< LOD	104.83	240.85	331.45	141.03	16269.8
1434	10.97	119.6	9.41	17373.7	< LOD	< LOD		< LOD	47.11	41.59	40.05	< LOD	< LOD	24.46	< LOD	< LOD	105.5	143.51	298.62	117.59	6501.64
1435	16.53	111.96	33.63	41496.8	< LOD	< LOD		7.22	< LOD	80.69	197.63	25.17	< LOD	< LOD	40.64	5.45	125.58	266.38	346.35	165.53	42833.5
1436	10.37	135.53	< LOD	16298.5	< LOD	25.94		18.21	83.9	128.8	103.3	327.81	15.05	28.2	< LOD	28.44	101.97	< LOD	259.56	59.03	7783.67
1437	< LOD	150.69	60.31	29481.9	< LOD	29.97		4.11	104.7	52.97	95.8	< LOD	< LOD	41.24	< LOD	< LOD	270.25	162.95	231.64	504.38	< LOD
1438	11.32	111.79	390.98	8202.49	< LOD	23.62		4.01	72.44	156.27	43.22	46.35	< LOD	30.2	< LOD	< LOD	528.43	347.61	370.99	754.02	1140.74
1440	< LOD	175.28	32.29	62391.5	< LOD	22.66		< LOD	90.14	< LOD	52.81	< LOD	< LOD	43.17	< LOD	< LOD	152.17	< LOD	98.62	219.9	< LOD
1441	< LOD	154.04	10.57	34732.3	< LOD	19.33		4.64	123.89	34.42	50.38	< LOD	< LOD	29.98	29.6	< LOD	269.77	< LOD	277.69	484.83	< LOD
1442	12.49	142.3	102.1	50310	10.06	21.77		< LOD	87.91	53.88	48.81	< LOD	< LOD	41.09	< LOD	< LOD	368.14	< LOD	316.41	514.34	< LOD
1443	8.07	141.5	70.78	23028.8	< LOD	15.37		< LOD	76.44	133.3	39.63	< LOD	< LOD	34.95	< LOD	< LOD	366.47	< LOD	188.17	437.63	< LOD
1444	7.63	148.17	91.3	34349.6	< LOD	22.13		< LOD	92.5	262.73	54.04	< LOD	< LOD	32.47	< LOD	< LOD	205.43	< LOD	209.19	177.45	< LOD
1445	< LOD	116.67	25.59	42189	< LOD	< LOD		< LOD	55.33	40.52	43.52	< LOD	< LOD	< LOD	33.55	< LOD	203.3	< LOD	216.34	93.06	< LOD
1446	< LOD	134.22	20.16	36770.5	< LOD	18.25		< LOD	75.72	37.57	51.31	< LOD	< LOD	33.31	< LOD	< LOD	259.61	161.05	218.14	508.48	773.1
1447	< LOD	151.18	239	24958.2	11.23	24.48		< LOD	82.92	197.14	40.88	< LOD	< LOD	35.15	< LOD	< LOD	566.5	170.71	417.42	959.48	< LOD
1448	9.66	136.3	8.96	38745.3	< LOD	< LOD		< LOD	50.55	19.18	66.41	< LOD	< LOD	37.38	< LOD	< LOD	173.51	< LOD	136.77	263	< LOD
1449	18.49	233.05	38.14	63705.6	< LOD	49.64		12.08	200.09	48.5	79.22	< LOD	15.88	61.58	< LOD	< LOD	174.52	863.45	110.64	127.94	19400.7

Reading No	Ba	K	Ti	Th	Rb	Sr	Mn	Si	Zr	P	Al	Ca	U	Cl
1292	607.53	8175.07	1087.2	8.29	26.54	23.42	147.72		157.75			< LOD	< LOD	
1293	2144.67	40660.03	3182.8	19.58	162.77	91.67	685.04		136.11			1122.81	8.68	
1294	2869.01	28230.48	15720	4.95	122.81	332.7	1179.4		186.07			45687.01	< LOD	
1295	336.08	3271.98	183.11	< LOD	< LOD	< LOD	109.88		< LOD			< LOD	< LOD	
1296	4295.63	29096.35	3551	18.69	125.51	231.58	1165.32		158.62			40018.23	11.92	
1297	4543.29	30135.67	3984.2	18.76	146.66	191.77	868.75		166.62			30562.37	15.84	
1298	6871.63	33911.5	4223.4	21.47	183.12	151.86	502.03		204.32			6085.5	14.44	
1299	7382.98	50698.41	6435.2	26.59	222.63	179.36	1149.9		216.06			22342.96	19.74	
1300	3659.95	9649.49	1204.1	4.32	36.51	240.73	185.26		34.19			19969.2	15.71	
1301	2853.64	35824.81	2708.4	14.47	143.78	44.27	180.82		153.25			1857.45	13.05	
1302	1385.06	12548.58	1298.5	6.83	30.64	115.67	869.87		127.45			14165.88	< LOD	
1303	1440.79	11542.62	1671.8	14.17	39.36	125.01	998.41		170.68			24131.4	9.35	
1304	1627.36	12054.36	1827.9	12.7	42.68	46.54	196.11		235.12			8312.25	5.74	
1305	1228.36	2650.49	682.86	7.42	3.56	78.49	443.41		81.1			35358.54	8.52	
1306	972.99	3886.27	1011.2	6.31	13.37	46.49	284.7		149.28			17081.61	< LOD	
1307	1052.06	3421.36	970.26	6.32	12.9	42.89	300.26		105.56			12741.5	< LOD	
1310	2696.7	17765.58	2721.7	17.45	62.91	74.79	495.92		297.95			22730.83	< LOD	
1311	2140.61	15187.21	3957.9	21.85	38.27	89.29	353.02		318.31			14890.21	8.24	
1312	1250.23	11926.72	2113.2	7.58	20.46	27.32	350.3		41.68			4063.51	< LOD	
1313	1410.84	7685.59	806.71	< LOD	25.51	52.85	275.01		24.79			6960.98	< LOD	
1314	1880.96	9323.33	1033.1	10.1	30.95	55.54	721.05		34.76			4186.82	< LOD	
1315	1264.35	5885.12	640.67	< LOD	15.24	40.76	320.53		16.05			8697.59	< LOD	
1317	2863.33	9056.19	1336.3	13.24	53.97	111.1	358.16		96.96			8203.85	8.02	
1329	2783.26	10475.75	1723	8.26	70.29	112.26	611.76		145.06			10473.87	7.9	
1330	1131.84	35480.06	4081.9	15.39	117.81	82.22	385.59		156.48			11931.36	< LOD	
1331	2520.74	25560.71	2595.7	23.57	163.59	75.62	351.06		142.05			890.06	16.15	
1332	1610.42	11141.15	2208.9	14.74	66.72	86.37	625.46		186.06			10524.99	8.61	
1333	1579.04	11419.33	1974.3	15.71	71.04	89.03	478.65		162.43			8190.58	7.79	
1334	2839.46	12189.46	1634.5	10.95	65.61	114.71	438.55		147.75			7708.05	8.83	
1335	3066.84	10318.91	1569.9	14.21	60.91	119.71	343.55		107.13			9320.52	7.54	
1336	4061.8	45592.57	3723.3	6.32	172.8	101.94	313.6		105.95			4483.68	10.89	
1337	1352.74	14271.92	2580.1	13.31	79.71	77.16	371.69		151.09			9865.65	6.67	
1338	3485.33	34733.43	4561.8	17.34	156.9	185.48	1338.04		174.41			50616.33	13.25	
1339	1271.07	10062.96	2262.8	11.94	62.61	114.07	611.62		137.69			19362.43	7.72	
1340	1337.05	17952.7	2205	9.03	63.1	75.13	696.39		42.27			30483.58	< LOD	
1341	1806.33	22619.16	7394.6	8.27	91.55	203.15	1165.25		86.06			57749.12	< LOD	
1342	1310.57	11799.09	6426.5	4.92	41.26	288.95	1735.22		108.22			91715.88	< LOD	
1343	1336.77	12422.55	2426.6	12.2	75.88	88.52	584.12		134.69			13934.38	< LOD	
1344	1289.84	19525.48	2424.7	12.99	56.58	132.18	1046.04		135.52			74239	< LOD	
1345	524.97	4332.9	1208.1	3.44	7.46	76.23	303.93		134.74			31478.4	< LOD	
1346	1231.07	10137.41	1727.4	5.07	26.18	473.16	2462.6		111.26			233196.2	< LOD	
1349	1156.85	19518.03	4184.5	4.72	56.25	41.92	402.01		301.44			3713.89	< LOD	
1350	1017.6	9650.01	2583	12.33	62.86	84.52	575.44		140.36			13396.68	< LOD	
1351	1317.35	10830.15	2194.1	9.52	61.78	114.14	712.12		119.18			27050.1	< LOD	
1352	3316.4	28308.64	6472.6	15.02	95.78	254.34	1623.83		162.74			68619.95	< LOD	
1353	3820.05	38964.89	4638	20.35	146.11	98.42	519.94		190.41			13077.9	8.97	
1354	1571.21	13940.75	2908.6	13.46	83.07	129.91	946.48		133.53			26743.47	< LOD	
1355	1154.68	12524.73	1532.6	10.4	38.19	27.78	206.67		135.28			3884.15	6.56	
1356	3863.42	41432.95	5642.1	16.58	153.78	87.6	489.42		159.44			16356.69	10.66	
1357	1079.14	12423.5	886.91	8.3	27.43	89.25	585.76		69.69			32822.91	< LOD	
1358	925.89	7044.29	514.51	< LOD	24.99	22.16	191.97		15.68			9604.45	< LOD	
1361	1656.15	14052.17	2146.4	15.3	91.62	88.57	544.31		182.15			12852.14	8.14	
1362	3058.15	57815.39	3323.4	32.34	238.91	70.91	174.21		218.42			662.09	11.46	
1363	2960.07	42385.64	6132.5	17.41	171.56	75.85	1871.51		181.36			9546.7	10.79	
1364	1806.89	12669.19	2734.6	15.15	79.34	74.68	656.87		156.98			12234.53	14.83	
1365	1764.46	30142.47	4272.4	10.06	92.02	36.25	192.51		146.24			2168.19	10.75	
1366	1038.41	11471.25	1419.4	10.26	32.53	30.29	204.4		286.54			4910.87	5.15	
1367	1601.91	8703.8	1933	13.82	65.41	69.38	585.46		159.58			10500.29	< LOD	
1368	637.73	16770.25	2010.3	4.34	42.04	49.07	195.33		79.91			17246	5.46	
1369	828.18	18456.56	2298	7.29	51.37	33.28	250.78		99.97			9152.59	11.46	
1370	1269.05	9520.9	2002.9	9.66	48.95	102.17	781.5		134.23			19809.43	< LOD	
1371	935.03	14468.54	1594.3	5.06	41.37	9.66	94.04		57.31			668.75	5.21	
1372	1353.95	21247.04	2343.2	9.72	64.5	58.36	438.48		82.25			28730.53	8.12	
1373	614.27	17167.01	2992.6	25.11	96.3	26.76	429.62		184.68			4603.59	28.14	
1374	1461.28	23680.96	2121.1	6.13	59.8	79.18	447.9		62.62			32863.55	11.6	
1375	2556.06	3463.52	524.73	9.23	12.06	181.01	3674.78		15.72			118430.3	19.73	
1376	5030.87	64819.76	18654	5.3	176.24	172.06	592.46		225.67			65441.84	21.1	
1377	2980.51	47022.84	10302	< LOD	125.62	349.89	1393.94		123.61			115891.2	< LOD	
1378	2906.49	31716.27	7045.7	6.57	89.9	319.93	2413.07		101.12			100427.6	< LOD	
1379	3801.09	49071.39	10200	5.93	127.8	148.61	1186.11		135.18			62736.3	10.9	
1380	2149.83	28803.06	6142.9	5.85	99.3	276.54	2788.52		84.17			113898.8	12.02	
1381	3356.98	42928.86	10684	5.39	111.52	301.63	1895.17		126.73			133648.4	< LOD	
1388	872.85	10082.44	1034.5	6.03	14.95	24.3	184.09		6.53			14757.25	< LOD	
1389	2776.9	44116.01	11368	6.07	110.88	258.64	2241.38		138.77			120986.4	< LOD	
1390	4009.96	40919.29	8664.7	6.04	128.65	126.18	2473.55		126.78			44122.17	< LOD	
1391	1500.39	26142.21	1808.9	4.9	47.76	155.6	795.93		52.03			64879.5	9.17	
1392	1067.61	54552.29	8658.7	10.36	86.05	13.09	167.11		223.06			4089.82	14.78	
1393	732.81	7117.48	710.41	< LOD	24.07	14.27	190.11		38.21			3990.25	< LOD	
1394	890.43	13884.18	1653	5.8	44.21	7.94	154.46		68.59			< LOD	< LOD	
1395	516.66	13302.76	1217.9	10.58	22.3	311.78	256.96		61.94			59562.36	13.87	
1396	824.49	11996.2	1114.9	5.42	31.01	20.45	110.4		42.82			4386.47	6.16	
1397	302.39	1751.9	153.5	< LOD	< LOD	2.22	79.74		< LOD			< LOD	< LOD	
1398	1028.3	5280.67	605.27	15.8	17.77	17.76	376.07		29.3			2229.69	13.82	
1399	706.14	11628.21	1527.2	3.12	31.29	30.93	196.98		54.3			10580.24	8.28	
1400	684.81	11697.84	1477.6	6.97	34.04	50.17	295.11		72.74			22661.61	7.98	
1401	667.27	8247.62	1636.7	5.98	38.42	43.57	229.46		81.75			5640.84	7.06	
1402	1420.86	22015.37	2211.2	13.67	86.49	218.15	383.2		157.42			36954.31	22.12	
1403	824.42	16570.44	1957.5	6.1	46.65	32.77	184		66.15			9345.88	7.5	
1404	927.54	15890.14	1461.2	4.7	46.28	19.68	174.79		50.1			4253.84	< LOD	
1405	1352.88	15678.75	2057.6	9.62	55.21	21.99	638.29		109.35			3850.59	8.68	
1406	466.02	6616.44	748.07	3.2	8.49	10.97	112.6		12.98			2552.87	< LOD	
1407	330.96	2198.09	248.65	< LOD	< LOD	19.01	84.59		< LOD			3177.74	< LOD	
1408	1112.08	17960.16	2088.8	8.14	47.73	196.84	241.76		117.16			36468.56	11.99	
1411	1050.02	13028.27	1443.7	4.27	40.81	43.44	139.97		68.45			4582.54	8.78	
1412	1810.45	7182.67	879.71	< LOD	11.39	605.59	1077.79		38.8			230148.1	9.7	
1413	930.52	15732.6	1708.2	6.82	47.09	27.47	149.36		54.5			5818.61	8.97	
1414	750.94	20267.71	2409.5	3.48	35.51	28.43	125.88		36.93			4063.08	< LOD	
1415	973.21	20238.48	2279.9	8.13	45.79	71.97	300.44		72.29			24177.21	7.88	
1416	862.43	14769.27	1901.5	< LOD	36.8	62.6	196.92		68.15			13266.79	< LOD	
1417	1434.39	35076.29	3406.1	8.26	88.92	186.87	350.26		166.33			61676.21	14.15	
1418	1344.2	37586.41	5342.3	19.71	100.12	167.37	366.34		325.33			45016.58	17.85	
1419	1176.63	36262.34	2666.4	6.76	83.09	85.79	144.01		66.93			13817.07	19.34	
1420	832.41	19755.77	2723.9	6.89	39.44	17.95	137.32		51.37			445.25	6.12	
1421	791.89	14717.01	2062.9	8.54	25.94	184.39	450.56		57.97			27781.96	< LOD	
1422	1009.66	13767.46	1633.8	4.5	41	16.86	152.09		80.77			2817.11	< LOD	
1423	450.92	3671.22	389.62	23.52	7.07	13.72	433.2		14.84			5599.62	12.56	
1426	421.32	4905.81	489.49	< LOD	8.98	43.97	211.69		18.61			14353.5	5.48	
1427	711.24	13691.96	1760.7	6.68	33.94	14.38	100.72		66.5			3197.04	6.79	
1428	673.58	10414.05	1138.5	4.08	29.41	9.06	104.18		48.19			576.25	5.85	
1429	545.21	10024.12	960	< LOD	24.87	8.41	75.57		38.25			894.06	< LOD	
1430	881.88	17928.43	2181.4	9.31	40.69	179.38	752.57		104.5			70409.92	7.26	
1431	1813.03	45468.8	5191.5	18.53	116.97	76.08	339.2		268.58			21258.61	17.4	
1432	1037.84	24299.95	1849.3	4.4	56.09	37.34	156.16		61.12			14229.44	6.48	
1433	2402.07	54860.81	10708	6.49	154.25	30.56	205.16		142.91			6887.67	25.14	
1434	2300.82	58789.04	12556	10.7	142.52	73.02	240.06		168.98			27132.23	15.68	
1435	1947.48	54181.58	13668	10.74	143.92	95.29	246.23		175.01			26058.77	74.7	
1436	942.57	24150.8	2261.6	10.47	41.51	203.82	410.5		108.1			123987.9	27.46	
1437	1983.08	38988.85	8839.6	< LOD	76.76	130.46	1076.26		101.58			122823.1	12.95	
1438	2874.86	58928.55	15924	5.11	131.82	29.22	204.52		184.24			4383.06	15.01	
1440	1314.41	22164.19	5244.3	6.36	38.16	307.69	1649.54		60.39			178994.3	< LOD	
1441	2666.09	45030.52	10784	6.03	97.45	167.49	678.79		125.99			81896.08	9.78	
1442	2632.17	43808.12	11785	6.07	119.77	172.25	690.97		137.8			73385.65	15.21	
1443	1904.87	36802.54	9304.5	5.57	81.33	177.06	692.74		85.52			77862.6	8.26	
1444	1317.07	27268.33	8822.8	4.14	55.03	155.05	600.17		90.45			89506.93	< LOD	
1445	1584.49	28674.68	8144.9	< LOD	70.22	102.88	713.09		82.15			106475.9	10.82	
1446	1137.4	29337.25	10108	< LOD	58.78	201.19	995.23		102.21			50563.44	< LOD	
1447	2301.44	50327.29	18031	5.19	119.5	186.27	625.19		198.52			65396.17	11.68	
1448	624.73	12767.91	7765	5.44	27.15	218.02	1207.65		112.11			153506.2	< LOD	
1449	2615.12	41488.72	5051.5	22.67	102.13	49.64	542.64		180.69			4209.56	12.62	

Reading No	Sc	Y	Nb	Cs	Nd	La	Pr	Ce	Pd
1292	< LOD			112.92					< LOD
1293	< LOD			98.74					< LOD
1294	< LOD			82.65					< LOD
1295	< LOD			102.87					< LOD
1296	< LOD			129.89					< LOD
1297	< LOD			135.7					< LOD
1298	20.2			143.96					< LOD
1299	35.15			151.62					< LOD
1300	23.71			118.85					< LOD
1301	< LOD			122.38					< LOD
1302	< LOD			97.14					< LOD
1303	< LOD			107.81					< LOD
1304	< LOD			119.25					< LOD
1305	< LOD			90.08					< LOD
1306	< LOD			104.17					< LOD
1307	< LOD			114.48					< LOD
1310	< LOD			136.39					< LOD
1311	16.97			109.13					< LOD
1312	< LOD			61.57					< LOD
1313	< LOD			97.52					< LOD
1314	< LOD			91.58					< LOD
1315	< LOD			94.16					< LOD
1317	21.8			46.44					< LOD
1329	32.25			32.62					< LOD
1330	< LOD			82.66					< LOD
1331	6.19			166.16					< LOD
1332	23.65			30.08					< LOD
1333	18.27			41.82					< LOD
1334	22.44			23.02					< LOD
1335	24.09			45.22					< LOD
1336	< LOD			93.15					< LOD
1337	29.52			33.8					< LOD
1338	44.52			113.42					< LOD
1339	44.24			31.62					< LOD
1340	< LOD			74.06					< LOD
1341	83.14			155.56					< LOD
1342	136.19			122.11					< LOD
1343	53.74			39.63					< LOD
1344	< LOD			92.76					< LOD
1345	< LOD			105.73					11.13
1346	144.59			136.67					< LOD
1349	< LOD			181.13					< LOD
1350	39.18			36.86					< LOD
1351	62.43			41.99					< LOD
1352	179.13			133.21					< LOD
1353	36.07			114.06					< LOD
1354	59.71			32.72					< LOD
1355	< LOD			118.54					< LOD
1356	< LOD			122.37					< LOD
1357	38.91			109.88					< LOD
1358	< LOD			92.57					< LOD
1361	37.25			27.88					< LOD
1362	10.84			56.72					< LOD
1363	< LOD			114.71					< LOD
1364	38.22			50.97					< LOD
1365	< LOD			101.21					< LOD
1366	10.79			106.37					< LOD
1367	30.43			54.32					< LOD
1368	24.68			57.68					< LOD
1369	< LOD			65.06					< LOD
1370	47.46			60.58					< LOD
1371	< LOD			94.12					< LOD
1372	< LOD			113.72					< LOD
1373	< LOD			< LOD					< LOD
1374	< LOD			130.83					< LOD
1375	< LOD			105.54					< LOD
1376	56.24			152.93					< LOD
1377	< LOD			113.31					< LOD
1378	115.74			136.13					< LOD
1379	< LOD			112.45					< LOD
1380	90.1			89.97					< LOD
1381	109.7			138.25					< LOD
1388	< LOD			81.97					< LOD
1389	< LOD			119.99					< LOD
1390	53.93			140.62					< LOD
1391	68.29			117.34					< LOD
1392	< LOD			52.99					< LOD
1393	< LOD			102.05					< LOD
1394	< LOD			106.06					< LOD
1395	80.94			90.91					< LOD
1396	< LOD			98.43					< LOD
1397	< LOD			94.45					< LOD
1398	< LOD			148.15					< LOD
1399	< LOD			90.37					< LOD
1400	< LOD			74.06					< LOD
1401	28.49			< LOD					< LOD
1402	81.77			119.91					< LOD
1403	< LOD			82.87					< LOD
1404	< LOD			88.91					< LOD
1405	< LOD			125.74					< LOD
1406	< LOD			100.32					< LOD
1407	< LOD			90.89					< LOD
1408	54.65			107.04					< LOD
1411	< LOD			119.84					< LOD
1412	127.26			127.35					< LOD
1413	< LOD			91.92					< LOD
1414	< LOD			82.41					< LOD
1415	24.69			103.95					< LOD
1416	< LOD			111.36					< LOD
1417	71.16			113					< LOD
1418	66.31			98.17					< LOD
1419	28.75			95.01					< LOD
1420	< LOD			116.69					< LOD
1421	83.54			104.11					< LOD
1422	< LOD			94.97					< LOD
1423	< LOD			60.41					< LOD
1426	< LOD			79.71					< LOD
1427	< LOD			86.41					< LOD
1428	< LOD			105.62					< LOD
1429	< LOD			80.73					< LOD
1430	64.8			99.55					< LOD
1431	39.56			92.94					< LOD
1432	17.19			112.67					< LOD
1433	< LOD			76.64					< LOD
1434	< LOD			83.48					< LOD
1435	< LOD			44.2					< LOD
1436	99.46			85.63					< LOD
1437	81.68			113.54					< LOD
1438	17.31			102.98					< LOD
1440	111.37			99.63					< LOD
1441	88.7			110.68					< LOD
1442	75.43			96.57					< LOD
1443	57.52			104.15					< LOD
1444	84.92			88.3					< LOD
1445	68.52			63.12					< LOD
1446	152.21			68.65					< LOD
1447	92.88			106.58					< LOD
1448	119.8			68.44					< LOD
1449	< LOD			170.13					< LOD

Appendix 11

Frank Creek 2013 Field Notes

Frank Creek Field Notes; Orientations for October 2013

Jack Logan

Goals: to get an idea of structure on the eastern and western side of the soils/quantec grid; to constrain a general location of the mineralized horizons at the Frank Creek property.

Discovery Trench

A very siliceous unit with cr-mica bound by black argillite is found exposed in the discovery trench. It weathers a different colour than the unit it is hosted within (an orange-brown). The contact with the adjacent black argillite unit is strong and sharp. It has a thickness of approximate 60cm and trends 116^{o} - 296^{o}. Adjacent quartz stringers trend in the same direction. See photo#'s 2035-2039.

Two massive sulphide lenses are outcropping higher in the discovery trench. They appear to trend 320^{o}-140^{o} dipping SW.

Flanking a massive sulphide lens in outcrop appeared to be carbonaceous qtz-muscovite schist.

Foliation/bedding measurements taken in the discovery trench were 134^{o}/64^{o}, 140^{o}/32^{o}, and 128-130^{o} strike dipping to the SW.

Location of mineralized outcrop: 610630E, 5845390N +/- 4m; Elevation 1154m.

DDH FC13-13 Area

Location of DDH FC13-13 collar is 610540E. 5845749N +/- 6m; 1072m elevation. Dip is 60^{o}, azimuth is 90^{o}.

Bedrock proximal to DDH FC13-13 at 0610647E, 5845833N +/- 3m; elevation 1060m appears to be a qtz-muscovite schist. Outcrop is locally oxidizing bn-orange, grains not visible (aphanitic), easily scratched with hammer. Surface has muscovite sheen and is hard and difficult to break. Foliation appears to strike approximately 130^{o}. Foliation measurement of 129^{o}/67^{o}. See photo# 2040-2043.

Further N-NW from qtz-muscovite outcrop is a foliated argillite/carbonaceous schist at 610644E, 5845851N +/- 4m; elevation 1055m. Foliation or bedding measurements measured at 162^{o}/70^{o}. See photo# 2044, 2045. Average strike is 140^{o} but outcrop-scale/local folding ranges from 122-164^{o}.

DDH FC13-09/FC11-03 Area (before second switchback)

Outcrop proximal to DDH FC13-09, further west down road. Unit is oxidized and contains stringers and semi-massive lenses of sulphides. Unit is schistose with foliation/bedding measurements of 162^{o}/52^{o} and 162^{o} /62^{o}. Oxidized qtz-muscovite schist? Location is 610511E, 5845538N +/- 5m; elevation is 1120m. Photo# 2046.

Outcrop adjacent to DDH FC13-09; similar to above unit – schistose and oxidized with evidence of outcrop-scale localized folding. See photo# 2047. More shallow-dipping; measurements are 220/12, 210/17, 226/20, 200/19. Location is 610494E, 5845538N +/- 5m; elevation is 119m.

Drill collar location of FC13-09/FC11-03 is 610488E, 5845541N +/- 5m

Determined coordinates of furthest points on L55-57:

L59: 6610700E, 5845870N

L57: 610920E, 5845670N

L55: 610960E, 5845510N

Eastern end of L59

Traverse from L59 and down steeply dipping slope into Frank Creek, outcrop was extremely limited. Of rock encountered, was difficult to surmise as outcrop or large colluvial boulders. Traverse was extremely slippery, would recommend doing traverse in drier conditions. Large patches of devils club and the steep slope angle also make the traverse difficult.

Soil/till sample from 75cm test pit was collected on the slope at 610737E, 5845881N +/-6m; elevation 1013m. (labelled L59 Soil 1).

Made it down into Frank Creek but did not cross outcrop on traverse downwards. Location at Frank Creek was 610804E, 5845950N +/- 8m; elevation 970m. Again, tried digging a pit to find bedrock but till cover is thick in this area.

Sample of grey clay and two different rock types were collected (green quartzite? And muscovite schist) at 610828E, 5845938N +/- 20m; elevation 1004m.

Came across a very large boulder, could not get a GPS location due to valley wall height and location of satellites. Schist had a foliation of 148^{o}/38-48^{o}. Photo #'s 2053-2054

Eastern end of L57 (traverse down spur road w/limestone outcrop)

Lots of exposure but is discontinuous over span of spur road.

The first encountered outcrop on the spur road is 1.5x1.5m wide, rounded carbonaceous limestone (fizzes with exposure to acid). It exhibits a foliation or bedding structure striking 150^{o}. It's location is at 610768E, 5845650N +/-8m; elevation 1096m. Bedding measurements of 148/75, 138/69, 149/72, 149/69 all steeply dipping SW-W.

See photo# 2055-2057; 2058 – fresh face.

2m further along spur road from previous outcrop is another outcrop with quartz veins, limestone, oxidized quartz-muscovite schist, and a similar siliceous cr-mica bearing unit as seen at the discovery

trench. This outcrop also steeply dips to the SW but outcrop-scale localized folding gives a dip in the opposite direction as well. See photo# 2060-2062. Limestone bedding measurements collected are 144/72, 152/70, 142/66Photo# 2064: left orange tape = cr-mica siliceous unit; middle orange tape = muscovite schist; right orange tape = limestone.

Photo# 2065 shows a synclinal fold(?) where the dip direction changes. Oxidized quartz-muscovite schist measurements are 146/79, 294/68, 328/80, 340/84, 125/74, 120/76.

Photo# 2067 and 2068 show the resistant siliceous cr-mica bearing unit.

Further along spur road heading easterly, there are vertically dipping dark grey units (dip direction SW); perhaps a carbonaceous qtz-muscovite schist? Photo# 2069. Measurements are 152/72, 160/62, 143/84, 139/77.

Again, further east on spur road brings another outcrop of limestone with measurements of 138/63, 148/72, 140/80. Contact on right of limestone is a weak and very fissile muscovite schist.

Vertically dipping limestone outcrops again at 610789E, 5845657N +/- 6m, elevation 1097m, 610810E, 5845657N +/- 6m, elevation 1097, and at 610819E, 5845650N +/-7m, elevation 1097m with bedding measurements at 156/72 and 154/70.

Past the end of L57 there is an undetermined contact between limestone and quartz muscovite schist. Beyond the spur road there is abundant outcrop of a light-grey quartz muscovite schist. It is weakly oxidized with milky and mildly oxidized quartz veins that are parallel and cross cutting the foliation.

Coordinates of some outcrops are 610955E, 5845592N +/-5m, elevation 1116m. See photo# 2070.

Foliation and bedding measurements are 180/50.

Another outcrop at 610970E, 5845576N +/-5m; elevation 1119m - See photo# 2071 – unit has conglomerate looking texture.

Another outcrop at 610962E, 5845629N +/-6m, elevation 1097m. Foliation measurements are 170/68, 196/80, 162/64, 150/66, 170/63 – local steepening and shallowing (localized outcrop-scale folding) in folation.

Cross cutting quartz vein orientation of 060/63.

Samples collected of quartz veins and qtz-muscovite schist.

Western Side of L53; D2 Area

In trench at 0609767E, 5845085N; elevation 1169m. Foliation/schistosity measurements of 156/58 and 144/51. Quartz veined muscovite schist and quartz muscovite schist with disseminated oxidized sulphides present in vicinity.

609772E, 5845098N green-grey quartz muscovite (chlorite?) schist with stringers and veinlets of pyrite and quartz. foliation strikes 136 degrees but is difficult to find a good dip surface.

Location 609774E, 5845100N; elevation 1162m. Measurements of foliation at 160/40, 132/39, 151/48, 164/48, 176/50, 166/49, 164/50; 1m below 166/46.

Location 609783E, 5845111N; elevation 1157m foliation measurement at 154/37. Massive sulphide lenses 40cm above, same orientation. 2m below = 160/32, 133/42, 120/57.

Lower trench

609770E, 5845210N; elevation 1136m. Foliation measurements of 132/35, 115/54, 136/34, 166/32, 132/34. Photo# 2075 is a 1.18m massive sulphide horizon that trends 118 <-> 298.

Down in lowest (bottom) trench; general location is 609738E, 5845255N +/-6m; elevation 1116m. Foliation readings are 178/40, 148/58, 145/62, 154/62.

Rusty massive sulphide lens or horizon at 609726, 5845247 elevation 1121m, strike between 154-180. Dip of 32-48.

Appendix 12

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Appendix 13

Statement of Qualifications

Jack Logan, of the City of Victoria, British Columbia:

1. Is an employee of Barker Minerals Ltd.

2. Is a graduate of the University of Victoria with a B.Sc. in Earth Sciences granted in 2012.

3. Is a registered member of the Professional Engineers and Geoscientists of British Columbia (APEGBC) as a Geoscientist-in-Training (GIT).

4. Has worked as a geologist in British Columbia, Ontario, and the Yukon since 2011.

5. Is the primary author of this report and has carried out or supervised work described in this report.

Rein Turna, of the City of West Vancouver, British Columbia:

1. Is an employee of Barker Minerals Ltd.

2. Is a graduate of the University of British Columbia with a B.Sc. in Geological Sciences granted in 1975.

3. Is a registered member of the Professional Engineers and Geoscientists of British Columbia (APEGBC) as a Professional Geologist (P.Geo).

4. Has worked as a geologist in British Columbia, Saskatchewan, Ontario, Yukon and Northwest Territories in Canada since 1975.

5. Is a contributing author of this report and has carried out or supervised work described in this report.

Louis E. Doyle, of the City of Prince George, British Columbia:

1. Is the President and CEO of Barker Minerals Ltd.

2. Has over 19 years of experience prospecting and managing exploration programs in the Cariboo Mining District of British Columbia, Canada.

3. Is a contributing author of this report and has supervised work described in this report.

Appendix 14

Statement of Expenditures

Barker Minerals Ltd.

Work was completed between December 15, 2012 to December 15, 2013

Diamond Drilling & Physical Work
on the Frank Creek, BB East and Black Bear Projects

Geological

Planning, managing all exploration related work in 2013 including XRF analysis and report writing

Louis Doyle -

165 days @ $500.00/day wages	$	82,500.00
165 days @ $125.00/day room & board	$	20,625.00
107 days @ $125.00/day vehicle	$	13,375.00
	$	**116,500.00**

Sampling, mapping, drilling, XRF analysis, core teching, core splitting, interpretation & report writing

Rein Turna - Geologist

80 days @ $400.00/day wages	$	32,000.00
80 days @ $125.00/day room & board	$	10,000.00
40 days @ $125.00/day vehicle	$	5,000.00

Jack Logan - Geologist

144 days @ $400.00/day wages	$	57,600.00
144 days @ $125.00/day room & board	$	18,000.00
100 days @ $125.00/day vehicle	$	12,500.00
	$	**135,100.00**

Drilling

Curtis Best - Head Driller

88.5 days @ $125.00/day room & board	$	11,062.50
88.5 days @ $125.00/day vehicle	$	11,062.50

Dean Best - Drill helper

88.5 days @ $125.00/day room & board	$	11,062.50

Aaron Doyle - ACD Contracting Ltd. - Drill Foreman

95 days @ $600.00/day wages	$	57,000.00
95 days @ $125.00/day room & board	$	11,875.00
95 days @ $125.00/day vehicle	$	11,875.00

Kyle McGhee - Camp Manager & First aid attendant

83.5 days @ $250.00/day wages		$	23,750.00
83.5 days @ $125.00/day room & board		$	11,875.00
83.5 days @ $250.00/day ETV		$	23,750.00

Drill Charges

Machine hours (includes driller & helper)	88.5 days x $2,400.00	$	212,400.00
Metre charge	512 x $35.00/m	$	17,920.00
		$	**403,632.50**

Physical

Drill moves, drill pad preparation, road maintenance and upgrades, trenching and test holes

JD 850B	130 hours x $200/hour	$	26,000.00
CAT 320	300 hours x $125.00/hour	$	37,500.00
Operator	430 hours x $50.00/hour	$	21,500.00
	86 days @ $125.00/day room & board	$	10,750.00
	43 days @ $125.00/day vehicle	$	5,375.00

Snow clearing

JD 850B	69 hours x $200/hour	$	13,800.00
Operator	69 hours x $50/hour	$	3,450.00
	14 days @ $125.00/day room & board	$	1,750.00
	7 days @ $125.00/day vehicle	$	875.00
		$	**121,000.00**

Exploration expenditures

Misc. expenses - (ie: Low-bedding, shipping, bulk fuel, mobe & demobe)		$	22,785.00
Supplies- Drilling, camp, exploration related		$	7,646.00
Repairs & Maintenance		$	2,068.00
Gas & food expenses		$	9,802.00
XRF Rental			
7 months @ $5,000/month		$	35,000.00
Quad rental 95 days @ $100.00/day			
6 x 6 rental 88.5 days @ $125.00/day		$	9,500.00
Communications			
Hand held radios	2 x 88.5 days @ $25.00/day	$	4,425.00

Satelite phone	3 x 88.5 days @ $25.00/day	$	6,637.50
Truck mounted 2 way radios	4 x 88.5 days @ $15.00/day	$	5,310.00
	Total misc. expenditures	**$**	**103,173.50**
Geochemical			
	Assays (Frank Creek, BB East and Black Bear Projects)	$	41,565.00
	Total geochemical expenditures	**$**	**41,565.00**
Total Expenditures		**$**	**920,971.00**