Geochemical, Geological
and
Diamond Drilling

of the

Frank Creek

Likely Area
Cariboo Mining Division, British Columbia

Work was done on the following claims: Big Gulp 7 (Old tenure #382064, new MTO # 514343), Jess 1 (Old tenure #347964, new MTO #504425), Jess 2 (Old tenure #347966, new MTO #514373), & Frank (Old tenure #369406, new MTO #514364)

Owned by

Report prepared by Louis E. Doyle

February 28, 2007

Figures

Appendices

1.0 Introduction

Work on the property to date includes geological mapping and studies, stream-sediment and soil surveys, ground magnetometer and EM studies (VLF-EM, HLEM), airborne magnetometer and EM studies, prospecting, and in some areas of potential economic interest, trenching and diamond drilling.

Rein Turna, B.Sc., P.Geo. has been engaged as a geological consultant to Barker Minerals Ltd. and has provided technical guidance on the various company claim groups in the area, in particular on the Frank Creek property. He was thus directly involved in various aspects of implementing, supervising and interpreting the 2005/2006 Frank Creek drilling.

Portions of this report have been taken from previous technical reports filed on the Frank Creek property. In particular, the three most recent reports on the claim group by Perry (2002) and by McKinley (2004) and Anderson (2006) have been used extensively.

This report covers exploration work from 2005/2006, which consisted of 4 drillholes in late 2005/early 2006 (Appendix I – 2005/2006 Drillhole Parameters), which consisted of 1566 metres, and 5 drillholes later in the spring of 2006 (Appendix II – 2005/2006 Drill Results) of diamond drilling which consisted of 2037.10 metres and included ongoing interpretation of the exploration to date. The report covers drillholes completed in the ongoing overall program of systematically and methodically testing geological, geochemical and geophysical targets defined in previous programs on the Frank Creek Project.

1.1 Other Projects

The Ace Prospect mineralization and Frank Creek and SCR mineral showings are of the Besshi VMS or SEDEX type. The Ace property and Kangaroo properties have potential for gold and/or gold-copper deposits. The Cariboo Prospect hosts a replacement style Zn-Pb deposit in carbonate rocks of the Cariboo terrane. Scattered stream-sediment anomalies situated within the claims have not been followed up in detail, which provide future target areas to be explored. The Quesnel Platinum Project areas may contain some of the source mafic and ultramafic rocks for PGE minerals occurring in numerous placer platinum occurrences associated with the Quesnel River and its tributaries. These claims also host mafic volcanic rocks that in one area contain anomalous concentrations of copper.

1.2 Property

The mineral exploration property is approximately 290,000 acres in size. The mineral claims comprising the property are owned by and registered in the name of Barker Minerals Ltd. The property contains 19 mineral exploration project areas, some of which are currently under active exploration, including the Frank Creek, Kangaroo and Sellers Creek Road (SCR) project areas. (**Figure 1 - Location Map**).

1.3 Location and Access

The center of the property is situated 95 km northeast of the city of Williams Lake, British Columbia, the nearest supply center, and 34 km northeast of Likely, British Columbia, the nearest settlement.

Exploration work conducted by Barker Minerals Ltd. to the present date has been conducted under the authority of Mineral Exploration and Reclamation Permit MX-10-155. The local B.C. Inspector of Mines has indicated to Barker his satisfaction with Barker's progressive reclamation of trench and drill sites, and has also indicated his satisfaction with the amount of the current reclamation bond Barker has supplied, without need for any further increase in the bond in respect to additional work planned.

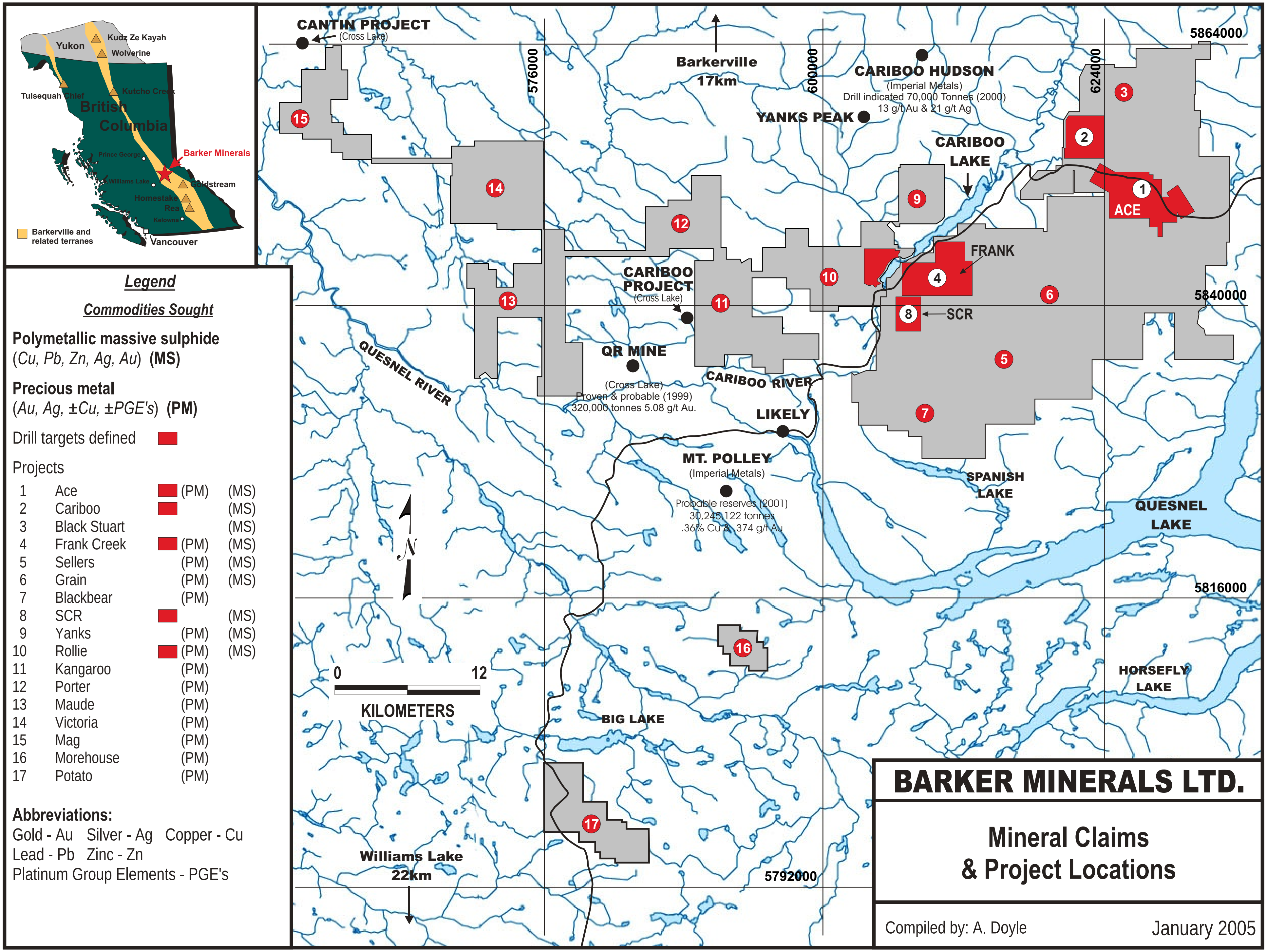

Figure 1 - Location Map

2.0 Regional Economic History

Gold was discovered in the Barkerville-Wells area in 1858. Historical production totaled 3.7 million troy ounces, as 1.9 million ounces from placers and 1.8 million ounces from 2.7 million short tons of underground ore. The historic Bullion Pit near Likely produced 175,700 ounces of gold from 200 million tons of gravel and about 1/100th as much platinum.

Much of the lode and placer gold production from the Wells and Barkerville areas occurred in the eastern part of the Barkerville terrane, where most of the important present day lode gold prospects also occur. At the historic mines, the strata trend 315°, dip 45°NE and are cut by north to northeast-trending normal faults dipping 60°E. The zones of economically important quartz veins are contained in graphite-bearing layers near a contact with carbonate-bearing layers. Two sets of quartz veins contain pyrite and gold: transverse veins striking 030° and diagonal veins striking 070°; these contained 15-25% pyrite and 0.3-0.5 oz/t Au. Two other sets of quartz veins do not contain pyrite or gold. Pyrite in altered wall rock contained proportionally less gold. Replacement bodies of auriferous pyrite in carbonate rocks (mainly in the Island Mountain Mine north of Jack of Clubs Lake) accounted for nearly 1/3 of the lode gold mined. Other common sulphides in the mines are arsenopyrite, galena, sphalerite, cosalite (PbBiS), scheelite and bismuthinite (BiS_2). Free gold commonly occurs with nests of cosalite. Gangue minerals are quartz and ankerite/siderite. Wallrock alteration minerals are ankerite and sericite.

2.1 Frank Creek Area History

The first recorded hard rock claims in the immediate vicinity of Frank Creek were staked by Canadian Nickel Company Ltd (Jones, 1981) looking for Barkerville-style gold in 1981. Their claims were south of the Frank Creek showing and just east of the Sellers Creek showing, and are now covered by Barker's ground. E & B Explorations Ltd (Christie et al, 1982) explored ground southwest of Frank Creek for gold that is also now part of Barker's properties.

The Frank Creek property was also staked by Silver Standard Mines Ltd (Beaton, 1983) as the Thunder claims. They note that there was no previous known work on their ground, although they did find several old claim posts. Silver Standard had optioned the ground from two prospectors, who had found pyrite-chalcopyrite mineralization in a ditch while prospecting logging roads. The company did soil geochemical surveys and cat trenching, over what is now the Frank Creek showing and further to the southwest. They noted clots, veinlets and disseminations of pyrite and much less chalcopyrite in small, siliceous, gneissic fingers intruding variegated schists. The grid extended towards the large gneissic body to the southwest, now called the Quesnel Lake Gneiss, in the search for larger mineralized bodies (Beaton, 1983).

One trench along a switchback road immediately downslope from one of the showings uncovered rusty soils, lenses of ferricrete and heavily pyritized float containing minor copper. This trenching has been incorrectly attributed to Rio Algom's later work, in previous reports written for Barker Minerals. A 2 metres wide pyrite-silica zone was uncovered on the lower switchback. The company speculated that a number of these lenses, of roughly 1 metre by 4 metres dimensions, occur in a belt following schistocity (Beaton, 1983).

Esso Minerals Canada (Marr, 1984) held ground adjoining the Thunder claims to the south in 1984, as did Casamiro Resource Corp (Scmidt, 1986). Both conducted soil geochemical surveys and some trenching and were exploring for gold. Their claims are now part of Barker's regional holdings.

In 1988, Golden Eye Minerals Ltd (Assessment Report # 17696; title page with the author is missing) staked the present Frank Creek showing, calling it the Mass property. They noted that at the point where

Frank Creek entered the Cariboo Lake valley, hundreds of boulders containing massive sulphides, pyrite-limy schist and pyrite-silica-chlorite schists had been uncovered by placer miners. The boulders occur at the base of the till directly overlying bedrock. When large massive sulphide boulders were found at the base of the placer gravels on the east side of the creek, the Home Run hardrock claim was staked by the placer miners, but no work was ever filed. Golden Eye Minerals Ltd staked the same area and prospected the creek looking for the source of the massive sulphide boulders. The also ran VLF surveys, but failed to locate the source of the boulders.

Formosa Resources Corp (Martin, 1989) optioned the property from Golden Eye and did soil geochemical surveys, and trenched some of the better anomalies. Some trenches revealed windows in the clay-rich till allowing groundwater to surface, with the metals being carried from further upslope. This may help to explain some of the soil geochemical anomalies defined by Barker Minerals that have no associated geophysical conductor.

In 1991, Rio Algom Exploration Inc (McClintock, 1991) optioned the Mass claims from Formosa, and an adjacent claim group to the northeast from the Annex Group, again trying to locate the source of the boulders. They did prospecting, geological mapping, stream silt sampling and 388 km of helicopter-borne EM and Magnetics. This work identified groups of conductors in 7 separate locations (named the F-1 to F-7 target areas), all within 3 km of the boulders, plus 2 creeks anomalous in Zn-Pb-Ag. No conductors or geochemical anomalies were found on the Annex claims, and this part of the option was terminated.

Follow-up mapping in 1992 on the Mass claims by Rio Algom (Donaldson, 1992) found that most conductors were due to graphitic schist. The four that weren’t were subjected to VLF-EM, HLEM and soil geochemical surveys, and then trenched. Once again, all conductors were found to be due to graphitic argillite and schist. The geochemical anomalies were attributed either to high background values in the metasediments, localized quartz veining carrying mineralization or remobilization along faults and shears. No massive sulphides were found, meaning the source is up ice and off of the claims, or too small to be detected. Rio elected to terminate the option.

During 1995, R. Yorston (Assessment Report #24662) staked claims to cover the center of the F-1 target area. In 1996, two, vertical percussion holes (60.9 metres total) were drilled along the D-Road switchback. They yielded poor recovery, mainly of very fine particles and minor amounts of rock chips of black and green phyllite. Both holes returned anomalous Cu, Pb, Zn, Ag and Au concentrations in the upper 18.3 m, with the best interval being 3.04 m averaging 1770 ppm Cu, 750 ppm Pb, 2970 ppm Zn, 4.8 ppm Ag and 790 ppb Au.

In late 1993, Barker Minerals Ltd. staked two claims at Ace northeast of Frank Creek and then added to the claim group in 1994. By 1995, the company’s claims totaled 12 placer and 155 hard rock (Lammle, 1995).

During 1996, Barker staked an additional 2,590 claim units and conducted regional stream sediment sampling and magnetometer surveys. This led to the discovery of the Big Gulp showing (Lammle, 1997). The Big Gulp showing (BC MinFile 093A 151) is located within the F-4 target area from the Rio Algom airborne survey, and occurs southwest of the Frank Creek showing. It is comprised of sulphide-rich lenses in metamorphosed, altered, now ankeritic, fine-grained tuffaceous sedimentary rocks of original andesitic basalt composition. Chemical analysis of a composite grab sample collected during 1999 yielded results as 4.7% Zn, 600 ppm Cu, 1,520 ppb Hg, 435 ppb Ag, 205 ppm Cd and 29 ppm Pb (Payne, 2000; BC Assessment Report).

2.2 Work Undertaken at Frank Creek by Barker Minerals Prior to 2004

In 1999, Barker staked the immediate Frank Creek area and conducted a program of prospecting and limited mapping. This led to the discovery (or re-discovery) of numerous pyrite-rich float samples in the area of Rio Algom's F-1 series of airborne conductors. A concentration of weathered massive sulphide boulders was also located above a culvert situated 150 metres east of the Silver Standard Minerals Ltd. trench described in the section above, and 2.2 km up the "D" road. This area was trenched, resulting in the discovery of a thin strataform massive sulphide layer. The massive sulphide occurs at a sediment-sediment contact over a strike length of 10 meters and is 1.2 m thick. The zone strikes 167˚ and dips 32˚ W, sub-parallel to the regional foliation (McKinley, 2004).

This trench is now known as the Frank Creek showing, and has been described in BC MinFile 093A 152 as a new discovery (see Figures 3 and 4). The Barker Minerals website indicates metal values of 4.2% Cu, 1.3% Pb and 8.2% Zn, presumably from grab samples. It should be noted that these values differ from chip sample results obtained by other mineral exploration companies, which include 0.82% Cu, 0.25% Zn and 0.21% Pb over 5.77 m, 2.1% Cu over 0.77 m, 2.1% Cu, 0.28% Pb and 0.22% Zn over 0.4 m and 1.7% Cu, 0.13% Pb and 0.57% Zn over 0.6 m (McKinley, 2004).

Reconnaissance VLF and magnetometer surveys conducted over the discovery trench indicated the presence of a 40 metre wide conductor under the D road. Additional boulders containing massive sulphide and stringer-style sulphide mineralization were found along strike as far as 150 metres away from the showing (Payne and Perry, 2001) although the author doesn't indicate in which direction.

During 2000, prospecting resulted in the discovery of the SCR or Sellers Creek showing (BC MinFile 093A 131) located 4 km west of the Frank Creek showing. SCR consists of pyrite, pyrrhotite, chalcopyrite, sphalerite and galena occuring as semi-massive and stringer mineralization in float and bedrock of altered intermediate to mafic metamorphosed volcanic rocks. The rest of the year was devoted to geological mapping and geophysical surveys undertaken over both Frank Creek and SCR (Payne, 2001).

Also in 2000, new grids were cut on Frank Creek and SCR and ground HLEM and magnetometer surveys were conducted. Grid lines totaled 88 km at Frank Creek and 17.9 km at SCR. Magnetometer readings over both grids were recorded at 25 metre intervals on lines spaced 100 metres apart. On the Frank Creek grid, 39.5 km of HLEM geophysical surveying were completed and 19.9 km were completed on the SCR grid. The HLEM survey was conducted on the Frank Creek grid by using a dipole separation of 100 metres, with local areas of detailed surveying conducted at 50 metre spacing on lines spaced 100 metres apart. The HLEM survey on the SCR project was conducted using a dipole separation of 200 metres (Walcott, 2000).

The magnetic contrast on the Frank Creek grid was found to be low. Despite this, the magnetic patterns mimic the bedrock geology in some areas. Intermediate to volcanic rocks have moderately higher magnetic susceptibilities than the black argillite and siliceous siltstone unit (Walcott, 2000).

The HLEM survey defined several poor to moderate HLEM conductors in the Frank Creek area. Most are shallow and dip steeply. Conductors A and B trend northwesterly east of the massive sulphide outcrop and are located stratigraphically just above the prominent quartzite-limestone marker that is exposed in Frank Creek canyon. Conductor C is broad, trends northwesterly and appears to dip shallowly to the east. Conductor D dips steeply. Conductors E, F, G, J and K are associated with the black argillite-siliceous siltstone unit below the intermediate volcanic rocks, while Conductors A, B, C, D, E, F, G, J and K are associated with intense, coincident Cu-Pb-Zn soil anomalies. Conductors H and I are anomalies that occur near the Big Gulp showing, in the F-4 target area defined by Rio Algom (Walcott, 2000).

Surface geological mapping of an area of about 9 square km encompassing the Frank Creek and SCR project areas was also undertaken in 2000. The centre of the Frank Creek project area had been mapped during 1999, with the 2000 mapping conducted outwards from the initially mapped area. Thirty-five rock samples were collected and analyzed from the Frank Creek and SCR properties. Petrographic examination was performed on 27 rock samples and 7 massive sulphide samples collected from outcrops, most of which were collected within the Frank Creek project area (Payne, 2001).

During 2001 and 2002, Barker Minerals continued to prospect and sample the Frank Creek area, to excavate trenches and to conduct geophysical surveys. EM surveys extended previously located conductor axes. While the Frank Creek discovery outcrop was found to be unresponsive to both EM and IP geophysical techniques, an area of IP chargeability was observed just east of the showing. Preliminary gravity profiling was also done over the showing and the nearby EM conductors, but failed to detect any excess mass. The geophysical contractor expressed concern over the terrain corrections applied to the gravity data (Walcott, 2002), but the survey was never repeated.

A series of excavator trenches tested targets in the F-1 area defined by Rio Algom's airborne survey. Five trenches, totaling 289 metres were dug within 70 metres of the discovery outcrop. These uncovered several very small lenses of massive sulphides, plus stringer copper mineralization. Along with the results of several previous trenches, the mineralized zone was now defined over a strike length of 375 metres northwest and 50 metres southeast of the discovery outcrop (Payne, 2002).

Six diamond drill holes (813 metres) were drilled at Frank Creek in 2002. Drill holes FC-02-01, FC-02-05 and FC-02-06 were all drilled northwest of the discovery outcrop. They intersected disseminated to semi-massive sulphides, mostly pyrite, near the projected strike extension of the mineralized zone. The best assays were 1.1% Zn over 2.6m in FC-02-01, 0.14% Cu and 0.13% Zn over 10.7m in FC-02-05 and 0.15% Cu, 0.1% Pb and 0.23% Zn over 2.7m (including 2.08% Cu, 0.54% Pb and 0.98% Zn over 0.45 metres) in FC-02-06 (Payne, 2002).

Drill hole FC-02-03 was collared under the showing, and it intersected 0.5 metres of 0.52% Cu, 0.28% Pb and 0.33% Zn. Holes FC-02-02 and FC-02-04 tested a strong geophysical conductor just to the northeast of the discovery outcrop. Both drill holes hit strongly graphitic sediments, which explained the conductors (Payne, 2002).

Further trenching and sampling was completed in 2003, on geophysical conductors and soil geochemical anomalies close to the D road and to the discovery outcrop. A total of 530 metres were excavated in 10 trenches, and 15 rock and 7 till samples were taken. Some trenches did not reach bedrock, and at least one that did, failed to explain the targeted soil geochemical anomaly. An EM conductor immediately southwest of the discovery was trenched and found to be explained by disseminated sulphides which assayed 3.15% Zn and 0.95% Pb (no widths were given, presumably a grab sample was taken). Three additional trenches, one each on the A and B conductors, hit graphitic argillite (McKinley, 2004). Note that conductors A and B had already been tested by drill holes FC-02-02 and FC-02-04, and both had intersected graphite, explaining the conductors.

In addition in 2003, Barker contracted the services of a consultant to conduct a lithogeochemical sampling program on both the Ace and Frank Creek properties, in order to better define the stratigraphy (Barrett and MacLean, 2003). Several drill holes were logged and sampled, as were surficial outcrops, as part of this study. Results pertinent to Frank Creek will be reported on in the drilling section below.

In 2004, Quantec Geoscience Ltd. completed a Titan Distributed Array survey over 15.8 line km's, centered on the discovery outcrop. The survey included tensor magnetotelluric resistivity (MT) and DC resistivity and Induced Polarization (DCIP). The system is thought to be able to measure subsurface resistivities to depths in excess of 1 km, and chargeabilities to depths of 500 to 750 metres. Six 2.4 km long east-west lines spaced 200 metres apart were surveyed, plus one north-south baseline, covering an area of 1.5 by 2.4 km. The survey identified 90 separate DCIP and MT anomalies, or which 18 were considered significant (Donohue et al, 2004).

2.3 Geography and Physiography

Williams Lake is an intermediate-sized city, which is served by Highway 97, the B.C. Railway, a major hydroelectric power grid and a modern airport. By road, Likely is 65 km northeast of 150 Mile House on Highway 97. Access to the Ace, Frank Creek and SCR exploration areas is *via* gravel logging roads bearing northeast from Likely. The distances from Likely to the main showings are as follows: Ace, 45 km; Frank Creek, 25 km; SCR, 22 km. Driving time to the Ace prospect from Likely is forty-five minutes. Access to the Quesnel Platinum project is mainly *via* gravel logging roads southeast from Quesnel, a distance of 25 km. In Likely, Barker Minerals maintains a property that includes a house, a bunkhouse, a workshop and a few tents. The house serves as a field office.

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 to 1650 metres. (**Figure 2 - Topography**)

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 metres 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 metres elevation). Weldwood has been actively logging fir, spruce and pine in the area principally during winters, and has provided outlines of existing and planned roads and cut-blocks in and near the project areas.

2.4 Previous Regional Work and Summary

The property is located 95 km northeast of Williams Lake in Central British Columbia. The property contains the idle Providence Mine, classified as a 'Past Producer' (BC MinFile 093A 003) of silver, lead, zinc and gold. The property also contains the Cariboo (a.k.a. Maybe) Prospect, which is classified as a 'Developed Prospect' (BC MinFile 093A 110). This is reported to be a lead-zinc (Zn-Pb) replacement-style deposit estimated to contain approximately 400,000 tonnes at an estimated grade of 4% Zn+Pb, using a 1% Zn+Pb cutoff. The property contains the Ace VMS Prospect, which was discovered during 1993 by Louis Doyle, President and CEO of Barker Minerals and is host to what has been described by BC Geological Survey geologists as Besshi-type volcanogenic massive sulphide (VMS) mineralization and auriferous (gold-bearing) quartz veins (BC MinFile 093A 142). The property contains several known bedrock mineral occurrences, classified as 'showings' by the BC Geological Survey, including the Frank Creek VMS showing (BC MinFile 093A 152), the Sellers VMS showing (BC MinFile 093A 131), the Big silver-lead-gold showing (BC MinFile 093A 151), the Comin Throu Bear lead-zinc-silver showing (BC

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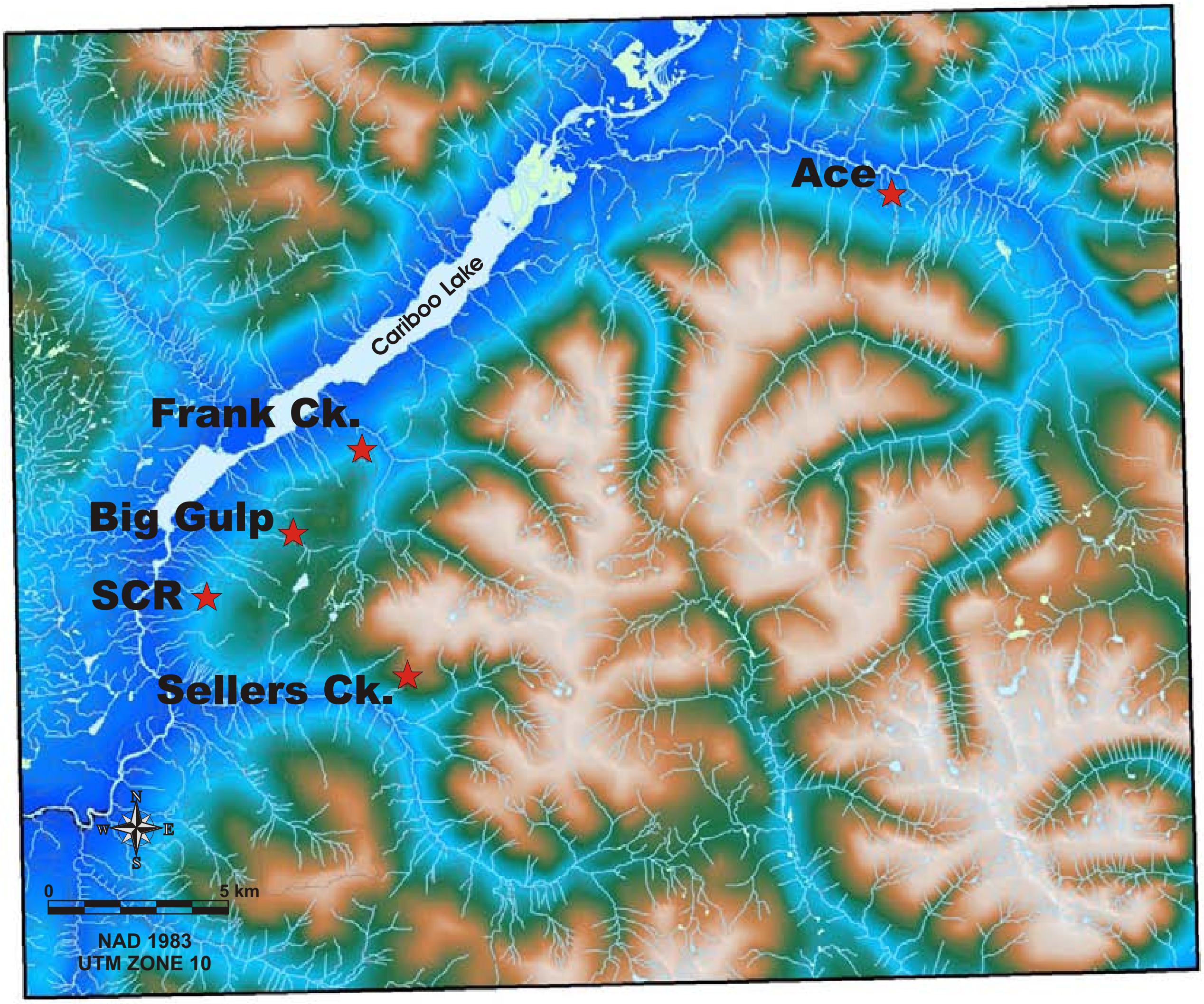


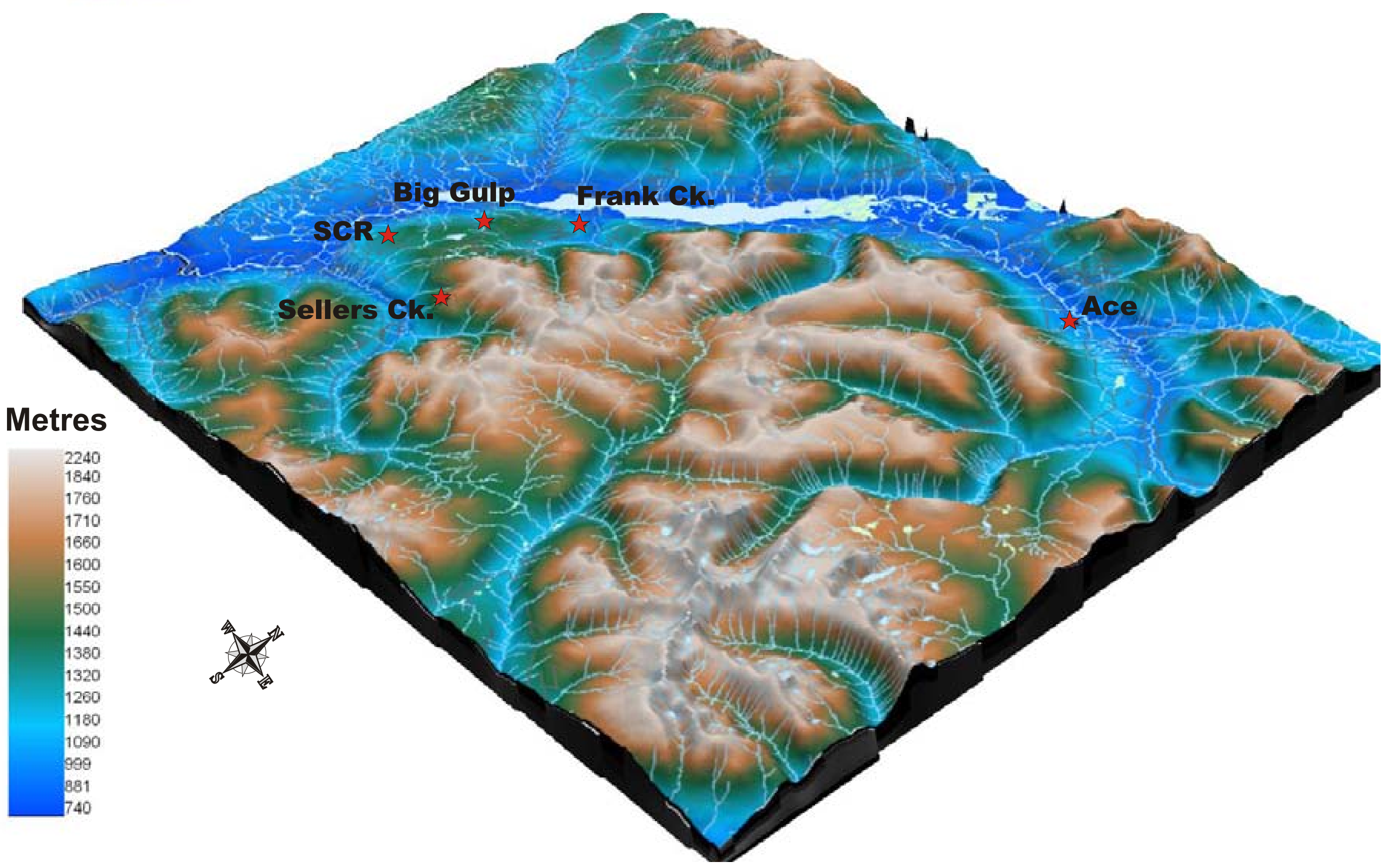


Figure 2 Topography

MinFile 093A 148), the Peacock gold-bearing quartz vein showing (BC MinFile 093A 133), the Maud alkalic porphyry copper-gold showing (BC MinFile 093A 119) and the Trump silver-lead showing (BC MinFile 093A 154). Both the Frank Creek VMS showing and Sellers Creek Road (SCR) VMS showing were discovered by Louis Doyle, President of Barker Minerals Ltd.

The eastern half of the property contains four VMS exploration project areas, the Ace, Frank Creek, Rollie and SCR areas, each of which contain multiple exploration targets as indicated by geochemical, geophysical and geological data and which have been the focuses of Barker Minerals' exploration programs during the period 1993 to the present. The western half of the property contains the mineral claims hosting Barker Minerals' Quesnel Platinum Project.

Within the Frank Creek project area a massive sulphide layer 1.2 m thick outcrops in a zone of overturned volcanic and sedimentary rocks. During 2002 a series of trenches were excavated in order to test several targets in and adjacent to the F-1 Target Area at the Frank Creek VMS project. Five exploratory trenches were excavated over a total distance of 289 metres up to 70 metres southeast of the discovery outcrop. Trench TR-BW-05 exposed the dark quartz eye phyllite host unit within which were found several small massive sulphide lenses within the projected strike extension of the mineralized zone exposed at the discovery outcrop. TR-BW-04 exposed copper stringer mineralization 60 metres southwest of the F-1 occurrence. Along with the mineralized exposure in TR-BW-10 excavated some 375 metres to the NW of the discovery outcrop, this exposure extends the known strike length of the mineralized zone to approximately 425 metres. The zone is open to potential extensions in both directions to the north and south and at depth. According to Wild (2002), former Chief Geologist of Goldstream Mine, near Revelstoke, B. C., the geological setting, mineralization and host rocks 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.

Drill core from the initial exploratory drilling program [6 ddh (813 metres)] at the Frank Creek project area contains intervals of Cu-Zn-Pb (+/- Au, Ag) massive sulphide mineralization that are significant examples of ore formation processes having occurred on the property. The mineralizations encountered in the drill core are similar to that exposed at the discovery outcrop where the discovery outcrop massive sulphide layer has been further exposed (3.5m in length and 1.5 metres wide) by trenching, and the local area mapped in detail (Wild, 2002). The concentrations of metals from grab samples of the outcrop massive sulphides ranged up to 4.4% Cu, 8.2% Zn, 1.1% Pb, 14.8oz/t Ag and 854 ppb Au. A chip sample across 5.77 metres exposed width assayed 0.82% Cu, 0.25 % Zn, 0.21% Pb and 44.3 g/t Ag including a .77 metre exposed width which assayed 2.1% Cu, .34% Zn, .11% Pb and 69 ppm Ag.

This Besshi-type VMS polymetallic mineralization also occurs in drill core in significant intervals (up to 0.4 metres) and contains significant concentrations of zinc, copper, silver, lead and gold (up to 3.4% Zn, 2.1% Cu, 2.8 oz/t Ag, 0.53% Pb and 746 ppb Au) within larger weakly mineralized units up to 52 metres wide in drill core intercepts that contain widespread disseminations of these metals. Several significant, combined geophysical and geochemical anomalies are present, one of which is situated within the area in which the massive sulphide outcrop occurs. Further exploratory trenching and drilling are recommended in order to test these specific targets for economic mineralization and in order to further define the extent of the mineralized zone.

The SCR project area contains semi-massive sulphide mineralization in altered volcanic rocks. This project area also contains coincident base-metal soil anomalies and HLEM geophysical anomalies in an area of sparse outcrop. A Maxmin geophysical survey comprised of 4.2 line kilometers was completed during the 2002 field season. In areas of geophysical and geochemical anomalies, prospecting was successful in discovering float boulders which assayed as high as 17.3% Zn and 6.4% Pb. Further surface exploration including trenching and bedrock sampling in this area is recommended, to be followed by initial exploratory drilling.

The Cariboo Zn-Pb deposits reported to be comprised of replacement style Zn-Pb mineralization hosted in carbonate rocks of the lower strata of the Cariboo terrane. Diamond drilling conducted during the1980's outlined a 400,000 tonne deposit grading 4.0% Zn+Pb (BC MinFile 093A 110). Further surface mapping should be conducted in this area in order to help gain an understanding of the deformation history of the deposit and the potential for extensions of the known zone. Compilation of all relevant data and limited diamond drilling is recommended in order to confirm the previous operator’s drilling and in order to further define and investigate the size and economic potential of this deposit, which is open in both directions along strike and at depth.

The western part of the property (Quesnel Platinum Project area) was staked for its platinum group element (PGE) potential. It contains zones of anomalous and intense copper concentrations in mafic volcanic rocks and may contain some of the mafic to ultramafic source rocks for some of the platinum group minerals (PGE’s) recovered from the predominantly gold-bearing placers associated with the Quesnel River and its tributaries. Further geochemical and geological surveys are recommended in order to explore for bedrock PGE mineralization and in order to explore the zone of mafic volcanic rocks containing anomalous concentrations of copper.

Exploration work conducted by Barker Minerals Ltd. to the present date has been conducted under the authority of Mineral Exploration and Reclamation Permit MX-10-155, which may be modified by amendments in order to facilitate future work such as that recommended within this report.

3.0 Regional Geology

The regional geology was described by L.C. Struik (1988) and has been updated by F. Ferri, (2001-2003). **(Figure 3 - Regional Geology)** 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 kilometers 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.

3.1 Barkerville Terrane

Most of the property area is underlain by marine strata 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.

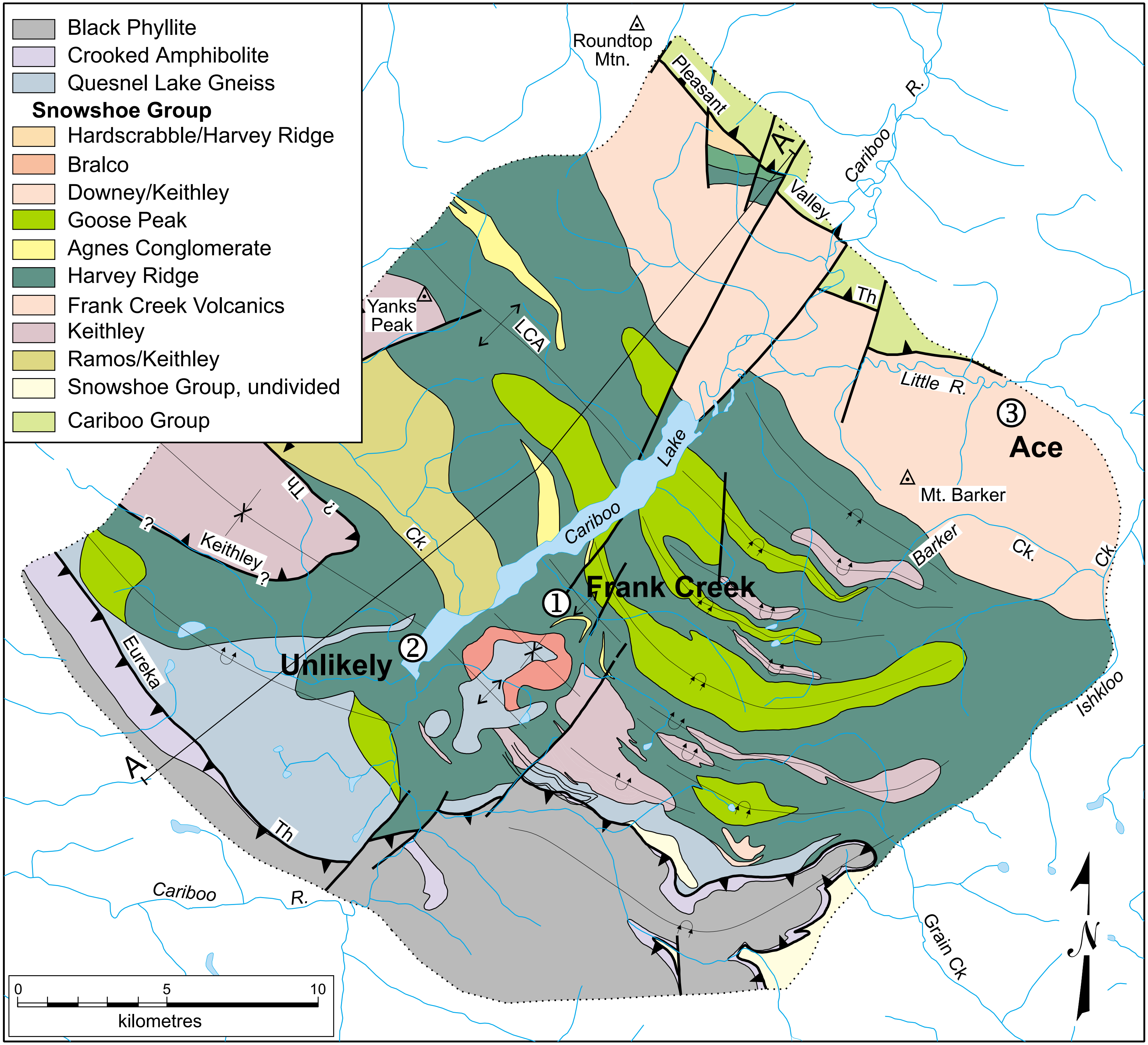


Figure 3 Regional Geology (Ferri 2002)

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. These descriptions are compatible with the rock types on the Ace project area, although the latter contains more metamorphosed felsic/intermediate volcanic rocks. Stratigraphic tops are unknown. The Barkerville terrane is cut by the Mid-Devonian 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 metres 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.

3.2 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.

3.3 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 ounces of placer gold were produced, is near Likely just on the west side of the boundary between the Barkerville and Quesnel terranes.

3.4 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.

4.0 Drilling Work Summary of 2005-2006:

4.1 2005 Exploration on Frank Creek Project

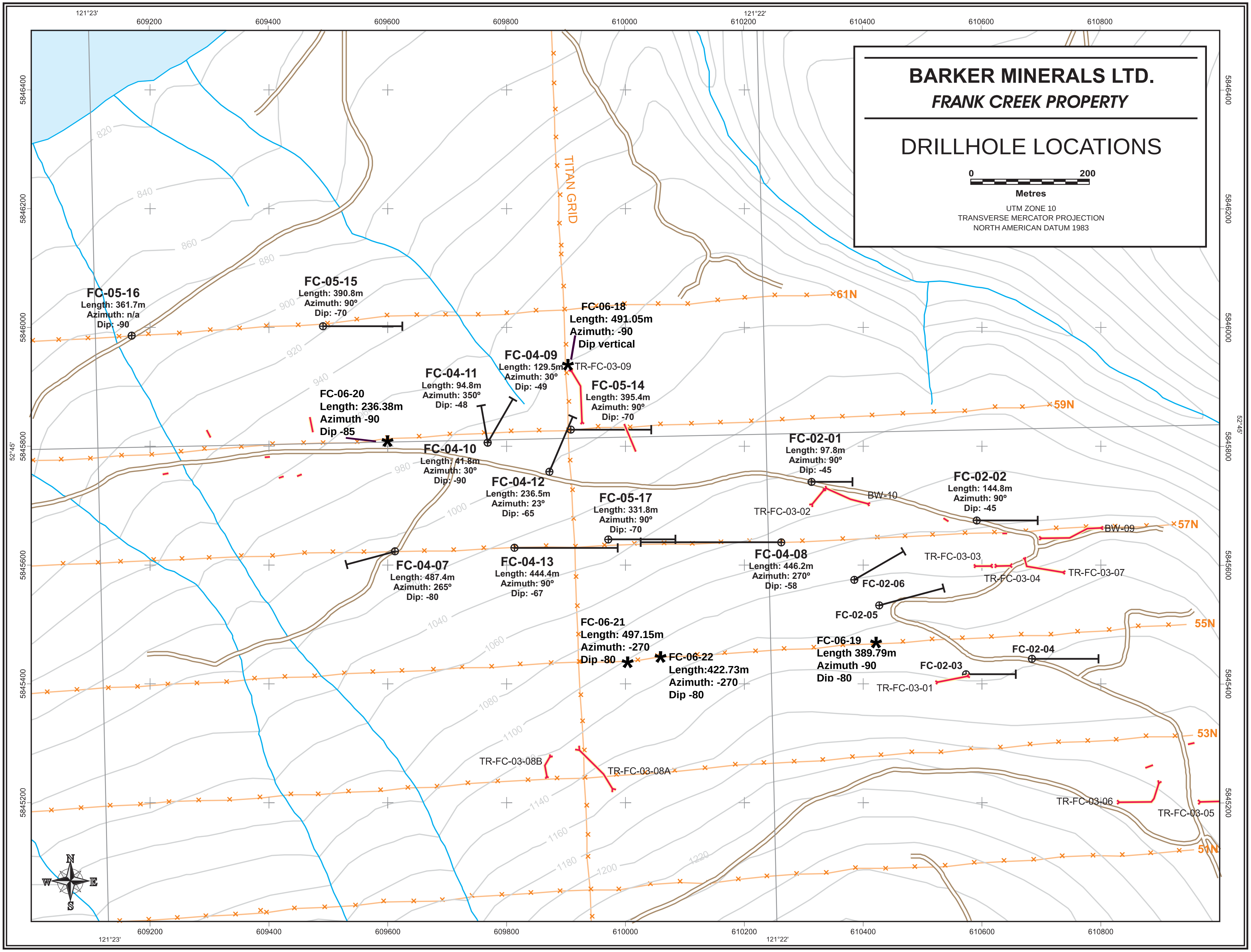
During the period covered by this report and the previous report, the Company conducted geological exploration work, including diamond drilling, assaying and detailed geological studies on the Frank Creek Project. **(Figure 4 Drillhole Locations)**

Four drill holes were completed in November and December 2005, on the continuing exploration program on the Frank Creek massive sulphide project. Besides testing the extent of poly-metallic stringer mineralization at the specific hole locations, the Company drilled the four holes to assist in designing further exploration to vector into a potential massive sulphide deposit on the property. All of the four holes intersected multiple horizons of massive sulphide style alteration and anomalous base and precious metal mineralization associated with stringer zones, which is consistent with a massive sulphide environment.

The Company drilled four holes for a total of 1566 metres. All holes were started within the area of the poly-metallic massive and stringer sulphide mineralization discovered in outcrop and in initial drilling in 2004. The drill-holes intersected wide intervals, some in excess of 70 metres thickness in drill core, of disseminated and stringer sulphide mineralization hosted by locally strongly altered host rock comprising phyllites and quartz-rich sandstones. Sulphides present are pyrite, pyrrhotite, chalcopyrite, sphalerite and minor galena.

The results will greatly assist the Company as it matches-up its most compelling targets with coincident soil and large Titan geophysical anomalies, which are associated as well with the original massive sulphide discovery trench on Titan grid line 55N 200 metres to the south. The drilling also intercepted a possible new zone of alteration and mineralization, which is interpreted to extend to the north.

Most of the rocks in the Frank Creek area belong to a sequence of sandstones, siltstones and argillites that locally have been tectonically disrupted by folding and faulting. The sedimentary rocks host disseminated to vein sulphides, and local beds of massive sulphides. The sediments range from shales with intermediate compositions to sandstones with >90 % quartz. Alteration minerals include sericite, quartz, chlorite, ankerite, albite and pyrite.


BARKER MINERALS LTD.
FRANK CREEK PROPERTY
DRILLHOLE LOCATIONS
0 200
Metres
UTM ZONE 10
TRANSVERSE MERCATOR PROJECTION
NORTH AMERICAN DATUM 1983
TITAN GRID
61N
59N
57N
55N
53N
51N
FC-05-16
Length: 361.7m
Azimuth: n/a
Dip: -90
FC-05-15
Length: 390.8m
Azimuth: 90º
Dip: -70
FC-06-18
Length: 491.05m
Azimuth: -90
Dip vertical
FC-04-09
Length: 129.5m
Azimuth: 30º
Dip: -49
TR-FC-03-09
FC-04-11
Length: 94.8m
Azimuth: 350º
Dip: -48
FC-05-14
Length: 395.4m
Azimuth: 90º
Dip: -70
FC-06-20
Length: 236.38m
Azimuth -90
Dip -85
FC-04-10
Length: 41.8m
Azimuth: 30º
Dip: -90
FC-04-12
Length: 236.5m
Azimuth: 23º
Dip: -65
FC-02-01
Length: 97.8m
Azimuth: 90º
Dip: -45
BW-10
TR-FC-03-02
FC-02-02
Length: 144.8m
Azimuth: 90º
Dip: -45
FC-05-17
Length: 331.8m
Azimuth: 90º
Dip: -70
BW-09
FC-04-07
Length: 487.4m
Azimuth: 265º
Dip: -80
FC-04-13
Length: 444.4m
Azimuth: 90º
Dip: -67
FC-04-08
Length: 446.2m
Azimuth: 270º
Dip: -58
TR-FC-03-03
TR-FC-03-04
TR-FC-03-07
FC-02-06
FC-02-05
FC-06-21
Length: 497.15m
Azimuth: -270
Dip -80
FC-06-22
Length:422.73m
Azimuth: -270
Dip -80
FC-06-19
Length 389.79m
Azimuth -90
Dip -80
FC-02-04
FC-02-03
TR-FC-03-01
TR-FC-03-08B
TR-FC-03-08A
TR-FC-03-06
TR-FC-03-05
121°23'
121°22'
52°45'
609200
609400
609600
609800
610000
610200
610400
610600
610800
5846400
5846200
5846000
5845800
5845600
5845400
5845200
820
840
860
880
900
920
940
980
1000
1040
1060
1080
1100
1140
1160
1180
1200
1220
N
E
S
W

Mafic rocks occur throughout the sedimentary sequence mainly as dykes or sills that are typically 1-5 metres thick. In some cases, they have sharp and possibly chilled contacts with the host rocks, and could be late dykes, but in other cases, they have probable peperitic contacts and thus are likely synsedimentary. Mafic rocks also occur as pillow lavas at an important locality on top of the Frank Creek hillside, several hundred metres upslope from the Discovery Trench, where massive sulphide beds are present within dark shales and sandstones.

Drill hole FC-05-14 is located 100 metres grid-east of the 2004 discovery on line 59N and 2100W. The main target is a Titan tensor magnetotelluric (MT) resistivity-low anomaly at 200-250 metres depth, with a secondary target a shallow coincident conductive IP-high chargeability and DC-low resistivity in the upper 30 metres.

The hole started in graphitic argillite, which can explain the shallow geophysical anomaly. At the MT resistivity low target depth of 200 to 300 metres numerous beds of sandstones to siltstones were intercepted with a number of variably altered zones up to 30 metres thick comprised of combinations of sericite, albite, chlorite, silica and ankerite alteration. Anomalous copper, zinc, and lead stringer mineralization occurs sporadically throughout the altered zones. Downhole geophysics are required to determine if any off-hole conductors occur, and if the sulphides in the altered zone were sufficient to cause the Titan-low resistivity anomaly or if deeper drilling is required.

Drill hole FC-05-15 is located at line 61N and 2400W, which tests a Titan target with chargeability high underlain and overlapped by a resistivity low that was interpreted to represent stringer to thin semi-massive to massive sulphide contact type mineralization in the upper 250 metres. It also targeted a large coincident MT resistivity-low anomaly, which extends down to depth.

FC-05-15 intersected 5 separate zones of combinations of sericite, albite, ankerite, silica and chlorite alteration and associated anomalous copper, zinc and lead mineralization. From 166 to 244 metres a number of altered horizons were intersected and a semi-massive to massive pyrite/pyrrhotite layer was intersected at 196 metres depth. This mineralization correlates with the southern edge of the Titan anomaly and also correlates with the southern edge of a magnetic high. Both the magnetic high and Titan anomaly are interpreted to strengthen and plunge to the north. This anomaly can be further tested to the north by drilling anomalies defined along line 2000W that crosses the centre of the Titan survey in a north/south direction. Further east/west survey lines are recommended to the north to determine the orientation of the geophysical anomalies and mineralization and alteration for follow-up drilling. The drillhole was not drilled deep enough to explain the deeper MT low resistivity target. Downhole geophysics will be completed to determine the location of this strong deeper target.

Drill hole FC-05-16 is located on line 61N and 2725W. It tested a Titan resistivity low anomaly from 150 to 350 metres depth and also targeted a large MT resistivity-low anomaly at 450 metres, which extends to depth.

A number of altered zones similar to the previous holes were intercepted in FC-0516 with the most significant from 240 metres to 296 metres. This zone of alteration was followed by an intercept of "felsite" from 296 to 307 metres, which in turn was followed by further alteration from 307 to 328 metres. The "felsite" is interpreted to be a crystal tuff, or proximal sediments.

The sulphide mineralization in this hole has a little higher concentration of lead associated with the copper and zinc. A narrow 19 cm high grade intercept of copper/zinc/lead was intercepted at a depth of 242.8 metres which assayed 1.49% copper, 6.5%, zinc and 2.6% lead and >100 grams per ton silver.

FC-05-16 was not drilled deep enough to test the deeper MT anomaly. FC-05-16 is on the most northerly line of the Titan grid and is interpreted to be overlying a geophysical anomaly, which begins on line 61 and extends and plunges to the north. Further work is recommended and will consist of further geophysical surveys to the north to test the northerly extension of the Titan anomaly crossing line 61 and to identify further drill targets.

Drill hole FC-05-17 is located on line 57N and 1875W, which is a follow-up to stringer mineralization in drill holes 2004 FC-04-13 and FC-04-08 on the same line. It targets a shallow IP chargeability-high/ DC resistivity-low anomaly from 150 to 250 metres depth. The anomaly is associated with low MT resistivity at depth.

Five significant zones of alteration were intercepted in FC-05-17 which makes it one of the overall thickest zones of alteration and associated copper, zinc and lead stringer mineralization identified on the property to date. The zone appears to be thickening to the south towards the original bedrock discovery trench and associated large, strong Titan anomalies. The anomalies to the south are also closer to the volcanic pillows on the ridge above the discovery trench and are near two large conductors of Trend “A” which reach surface coincident with strong copper, zinc and lead soil anomalies and massive sulphide float in the till.

Stringers with copper, zinc and lead start at 81 to 98 metres, with two thin chalcopyrite semi-massive stringers within the altered zone. Mineralization then reoccurs intermittently at 143 to 239 metres, the start of which corresponds to the top of the IP bulls-eye chargeability high. The stringer and alteration zone is somewhat more extensive than that seen in FC04-13. Downhole geophysics will be completed on this hole to determine whether a massive sulphide deposit and conductors underly the drilled stringer zone in the overturned rock strata.

The association of sulphide mineralization with albitic alteration is interesting, and will be further explored, as such alteration is known to occur near certain Sediment-Hosted massive sulphide deposits, in particular the Sullivan deposit in southern British Columbia.

4.2 2006 Drilling Summary

The five diamond drill holes totaling 2037.10 metres tested the extensions of massive sulphide style alteration and copper/zinc/lead/silver/gold stringer mineralization discovered in previous exploration work. The alteration and mineralization revealed in the drill program are consistent with a feeder system to a massive sulphide system.

FC06-18 is a vertical hole located on line 60N and 20W and was drilled to a depth of 491.05 metres. This hole targeted both chargeability highs and resistivity lows near surface and deeper stronger anomalies, starting around a 500 metre depth. This hole is also on the southern edge of the broad large magnetic high, which extends to the north and east.

FC06-18 intercepted variable amounts and combinations of sericite, chlorite, silica, ankerite, pyrite and chrome mica alteration. Within, and near the alteration, minor zinc (Zn) and lead (Pb) stringer mineralization was intercepted 100 metres downhole. A more significant 2.21 metre interval of semi massive banded sphalerite, galena and lesser chalcopyrite mineralization was intercepted at a depth of 188.19 to 190.4 metres, which returned values of .07% Cu, 1.96% Pb, and 1.08% Zn. Within this zone, narrow highergrade bands were intercepted from which assayed up to 4.9% Pb and 2.3% Zn. The mineralization is associated with moderate sericite, chlorite, ankerite, chrome mica and strong silica alteration. FC06-18 intercepted strong silica and ankerite (iron carbonate) alteration near the bottom of the hole, which is consistent with the alteration zone above some massive sulphide deposits.

The mineralization is slightly magnetic and is located on the southern end of a geophysical anomaly identified by the Titan survey, which is interpreted to thicken and strengthen moving to the north. To the north the Titan anomaly is centered within a broad magnetic anomaly. FC04-09 (line 59N and 21W stringer to massive sulphide zone) and FC06-18 are approximately 150 metres apart. If the mineralization is related, as it appears in the Titan survey, the zinc mineralization is thickening as the sulphide zone moves northerly going from .5 metres in FC0409 to 2.21 metres thick in FC06-18. This also corresponds with the Titan interpretation of the geophysical anomaly thickening and strengthening to the north.

This intercept can explain the conductor and chargeability anomaly near surface. Due to bad ground conditions the hole was lost and abandoned before reaching the deeper stronger target. The deeper target is closer to surface 200 metres to the north on line 2000W and will be tested in a follow up drill program while testing the shallow conductors and magnetic high anomalies identified on line 2000W to the north in the previous Titan survey.

FC06-19 is located on line 55N and 16W and was drilled to a 389.79 metre depth with a dip of 80°, and a 90° azimuth. The hole tested a weak shallow conductor and a large strong chargeability high around 175 to 200 metres depth, which overlies a deeper strong, large Titan MT anomaly.

FC06-19 intercepted weak to strong zones of alteration comprised of variable amounts and combinations of sericite, chlorite, silica, pyrite, and chrome mica. A significant wide zone of disseminated sulphides with stringer to semi massive bands with anomalous to highly anomalous copper/lead/zinc was intercepted at 127.95 metres to 192 metres (64.05 metres) which is associated with moderate to strong sericite, silica and ankerite alteration.

Within this section narrow intercepts of highergrade mineralization were encountered. Anomalous base metal values associated with pyrite, pyrrhotite, chalcopyrite, galena and sphalerite stringers were also intercepted near the bottom of the hole.

The wide anomalous sulphide zone can explain the large, strong chargeability anomaly downhole at 175 metres. The large strong MT conductor at depth, (Trend “A”) which trends across most of line 55N, was not tested in this hole. The Trend “A” anomaly is closer to surface (less than 100 metres depth) on the western end of line 55N and will be tested in a follow up program. Trend “A” on the western end of line 55N is also coincident with a near surface large strong chargeability high anomaly.

FC06-20 is a 236.36 metre hole located on line 59N and 23W which tested a near surface chargeability high and an underlying resistivity low which are layer like and seem to terminate around a depth of 250 metres. This hole has a dip of 85° and an azimuth of 90°. The hole is 200 metres west of the stringer to massive sulphide mineralization previously discovered on surface and in drill holes at line 59N and 21W. It is also along a 450 metre area of massive sulphide float in the till along line 59N.

A thin band of pyritic semi-massive sulphides with lead/zinc/silver was intercepted at a depth of 185.44 metres to 186.05 metres (.61 metres). The sulphide layer returned assay values of .60% Pb, 1.60% zinc and 15.3 gpt silver. The mineralization is associated with sericite, chlorite, ankerite and silica alteration. The hole was drilled to a depth of 236 metres and ended in sericite, chlorite, silica and ankerite alteration.

Slightly anomalous zinc was present from surface to a depth of 80 metres and is hosted in black argillite.

FC06-21 is a 497.15 metre hole with a dip of 80° and azimuth of 270°. This hole is located on line 55N and 19W and tested a shallow layer like moderate conductor and a deeper stronger chargeability high, which overlies the same deeper, large strong Trend "A" conductor as under FC06-19.

FC06-21 intersected 3 zones of highly anomalous base metals. The first zone was 22.24 metres wide from a depth of 175.99 metres to 198.25 metres and is associated with moderate to strong sericite and ankerite, and weaker chlorite alteration. The mineralization consists of disseminations, stringer, and thin bands of semi-massive to massive sulphides consisting of Cu/Pb/Zn/Ag. A 7.32 metre interval assayed .08% Cu, .70% Pb and 1.46% Zn including a thin .15 metre band of massive sulphides at 176.4 metres that assayed .25% Cu, 4.4% Pb, 9.36% Zn and 131 g/p/t Ag.

The second 33.85 metre anomalous to highly anomalous zone was intercepted at 224.18 to 258.03 metres and consisted of disseminations, clots and red sphalerite stringers associated with strong sericite, silica, ankerite and chrome mica. The third zone of anomalous base metals was a 10.06 metre intercept from 288.23 metres to 298.29 metres and is associated with moderate sericite and ankerite alteration.

A 3.05 metre interval of .83 gpt (830 ppb) gold was also intercepted at a depth of 216.55 metres. This section of the drill hole will be studied to determine the cause of the gold mineralization and what follow up is required.

FC06-21 is the most westerly hole drilled on line 55N and is closest to the deep Trend "A" conductor. The wide zone of alteration and anomalous metals in close proximity to the conductor make this a high priority follow up drill target that has a geophysical signature similar to massive sulphide mineralization.

FC06-22 is a 422.73 metre hole, which is located on line 55N and 18W with a dip of 80° and azimuth of 270°. The target was a shallow MT conductor located around a 200 metre depth which is joined with the Trend "A" conductor at depth that extends across most of line 55N and which surfaces on the western end of line 55N.

Variable amounts of weak to moderate alteration were intercepted in FC06-22 with sporadic traces of sulphides. Strong sericite and ankerite alteration were intercepted near the bottom of the hole. Three zones of slightly anomalous Cu/Pb/Zn were intercepted at 186.05 to 195.90 metres (8.85 metres), 211.06 to 229.17 metres (18.11 metres) and 247.05 to 295.85 metres (48.80 metres)

The Titan MT conductor was not explained by the drilling. Follow up down hole geophysics indicate the drillhole went through the edge of a possible off hole conductor at a depth of 80 to 90 metres and a possible building off hole conductor was detected at a depth of 210 metres.

All Frank Creek drill core is stored at the company's exploration camp at Likely, British Columbia.

4.3 Sample Preparation and Analysis

Drillcore samples were sent to Activation Laboratories Ltd. at 1336 Sandhill Drive Ancaster, Ontario L9G 4V5. Samples were analyzed by Code 1G – Hg-CV as an add-on; Code 4B – Whole Rock ICP; and Code 4Litho. A description for each method is included below:

Code 1G – Hg-CV Add-on
A 0.5 g sample is digested with aqua regia at 95ºC. The Hg in the resulting solution is oxidized to the stable divalent form. Since the concentration of Hg is determined via the absorption of light at 253.7 nm by Hg vapour, Hg (II) is reduced to the volatile free atomic state using stannous chloride. Argon is bubbled through the mixture of sample and reductant solutions to liberate and to transport the Hg atoms into an absorption cell. The cell is placed in the light path of an Atomic Absorption Spectrophotometer. The maximum amount absorbed (peak height) is directly proportional to the concentration of mercury atoms in the light path. Measurement can be performed manually or automatically using a flow injection technique (FIMS). Hg analysis is performed on a Perkin Elmer FIMS 100 cold vapour Hg analyzer.

Code 4B - Whole Rock ICP
Samples are prepared and analyzed in a batch system. Each batch contains a method reagent blank, certified reference material and 17% replicates. Samples are mixed with a flux of lithium metaborate and lithium tetraborate and fused in an induction furnace. The molten melt is immediately poured into a solution of 5% nitric acid containing an internal standard, and mixed continuously until completely dissolved (~30 minutes). The samples are run for major oxides and selected trace elements (Code 4B) on a combination simultaneous/sequential Thermo Jarrell-Ash ENVIRO II ICP or a Spectro Cirros ICP. Calibration is performed using 7 prepared USGS and CANMET certified reference materials. One of the 7 standards is used during the analysis for every group of ten samples.

Totals should be between 98.5% and 101%. If results come out lower, samples are scanned for base metals. Low reported totals may indicate sulphate being present or other elements like Li which won't normally be scanned for. Samples with low totals however are automatically refused and reanalyzed. Advantages of using the Spectro Cirros new generation ICP allows for the simultaneous determination of Cl.

For accurate levels of base metals (Cu, Pb, Zn, Ni and Ag), option 4B1 (see below) is recommended. Option 4B-INAA (see below) is recommended for As, Sb, high W >100 ppm and Cr > 1,000 ppm.

The preparation and analysis was done under the supervision of Douglas Read B.Sc., Laboratory Manager of Actlabs. A copy of the certificate of analysis is included in Appendix.

Code 4Litho
A combination of packages Code 4B (lithium metaborate/tetraborate fusion ICP whole rock) and Code 4B2 (trace element ICP).

For accurate levels of base metals (Cu, Pb, Zn and Ni) option 4B1 (see below) is recommended. Option 4B-INAA (see below) is recommended for As, Sb, high W >100 ppm and Cr > 1,000 ppm. Code 5D is recommended for Sn >50 ppm. Mineralized samples should have the "Quant" option (see below) selected or request assays for values which exceed the range of option 4B1.

5.0 Conclusions and Recommendations

5.1 Conclusions

The alteration and mineralization encountered in the 2006 drill program at Frank Creek is consistent with a stringer or feeder system to a massive sulphide system. The presence of these altered rocks with stringer and locally semi-massive and massive sulphides is very encouraging and demonstrates the highly prospective nature of the Frank Creek area to host polymetallic massive sulphide deposits.

The Company is encouraged by the discovery and extension of these anomalously altered and mineralized intervals, which it intends to further explore in the future. The 2005 drill program was successful at validating the Company's exploration model for Sediment Hosted style massive sulphides in this area and in providing valuable geological and stratigraphic information, which will help to focus future drilling at Frank Creek.

5.2 Quantec Geoscienc Inc. - Recommendations

The Titan-24 approach has had two valuable applications at *Frank Creek:* A) Evaluation and Guiding drill targets, and B) Accountable and Scientific Analysis of geological concepts and ideas, geophysical results during and post-drilling to minimize follow-up holes. We recommend the following follow-up drill holes to test the *18* most geologically unexplained features identified in the Titan results at *Frank Creek*.

In addition, we recommend that:

- The present Titan results should be reconciled with the existing geoscientific database, including the known drill evidence, to confirm that the Titan anomalies are centred over the correct source material. Specifically, compare geologic sections from the known areas against the Titan 2D cross-sectional results with regards to explaining the three main contrasting anomaly types (*Types I to III*) encountered, in order to confirm the source material and to focus drilling onto other favourable targets of a similar type/physical property mix.

- The drill-testing of the Titan anomalies should be conducted in a systematic fashion, by: i) working from known geology to lesser known, ii) from the shallow to deeper targets, iii) from the center of coverage, where the geoelectric structure is best defined in the 2D inversions, to the outside of coverage, where it more poorly defined, due to 2D aperture, and iii) from the multi-parameter anomalies (IP+DC+MT) Titan-defined targets to the more poorly-correlated (or deep MT) single-parameter anomalies.

- Any drilling should focus in on the center of the anomalies that we've described in our anomaly table and cross-sections. The overall dimensions and depths are added to facilitate the drilling effort.

- The Titan coverage should be extended along strike, to the north and south, in order to better define the variations observed at *Frank Creek*.

- Titan targets that are drilled should be logged using borehole Petrophysics, in order to determine the true geologic source of anomalies, and also surveyed with borehole transient EM (BHTEM) to detect off-hole conductors and to identify the nature and extent of in-hole sulphide mineralization.

A 3D Gocad model of the property should be built and queried for fully integrated drill targets. Other elements for the query may include geochemistry, assays, depth, etc. Following this, consideration should be given to perform additional geologically-constrained inversions, in order to further refine the interpretation, if there is sufficiently good geological control and petrophysical database for the property. If so, unknown and potentially important targets can be more easily discriminated from the known geology, particularly at depth.

5.3 Recommendations (McKinley 2004-2005)

The author of this report did not visit all of Barker Minerals' project areas and as such has not been able to independently assess areas including the Cariboo Prospect, the Blackbear Prospect and the Quesnel Platinum Project. However, the author has reviewed the existing information for these projects and agrees with the recommendations as laid out in the most recent technical report of Perry (2002). For completeness, these recommendations are included herein and attributed to Perry, but no exploration budgets have been proposed.

Ace Massive Sulphide and Vein Gold Project

Prospecting should be continued throughout the Ace property in an effort to discover more occurrences of mineralized boulders as well as "coticule" rocks, such as those recently discovered in the Jim Road area. An attempt should be made to assess if the mineralized boulder train extends further "up-ice" to the east. If so, additional claims should be staked over the area if necessary.

Further exploration trenching should continue to test geophysical conductors and geochemical anomalies. Priority should be given to coincident anomalies, particularly the areas in the vicinity of F Road, which have east-west resistivity lows and chargeability highs and coincident soil geochemical anomalies. The "E-Scan" resistivity low in the eastern part of the property should be drill-tested.

Geological mapping should continue in order to improve understanding of the regional structure and the local geology of areas of "felsite" rocks that have not yet been examined in detail. This additional mapping should be integrated with that done between the Ace and Frank Creek areas by Ferri and others of the B.C. Geological Survey. The OSC report has clearly demonstrated the value of high quality lithogeochemical sampling and interpretation; this type of work is strongly recommended as a component of future exploration. The body of rock identified on the geological map by Ferri and O'Brien (2003) as Downey succession meta-volcanics/amphibolite in the vicinity of Mount Barker and Barker Creek should be examined. This unit may be prospective for massive sulphide deposits. An initial program of reconnaissance geological mapping and lithogeochemical sampling as well as prospecting is recommended. The lithogeochemical characteristics of these metavolcanic rocks should be compared with those of the Frank Creek volcanics.

Soil geochemical surveys should be carried out in the following locations:

- the central portion of the Ace grid between the two existing survey areas;
- northwest of Colleen Road, in an unsampled area from 8400 Road to the Little River adjacent to areas of anomalous Pb and Zn soil geochemical values;
- to the west of the existing surveys;
- in the area around the eastern end of J Road where there are areas of anomalous copper values.

However, an attempt to address the glacial history of the area and, thus, the validity of soil sampling should be made. An orientation survey to test the applicability of MMI/enzyme leach geochemical techniques is also recommended as these may be more effective techniques to "see through" the glacial cover.

Geophysical surveys, particularly IP and HLEM, have proven most effective at identifying potential bedrock targets. IP surveys should be extended to the east in the areas overlapping 8400, Jim and F Roads. The 2004 Frank Creek geophysical survey by Quantec was successful at identifying numerous potential sulphide targets. A similar such survey is justified and recommended on the Ace property. The area over the "E-Scan" anomaly should be one of the targets of such a survey.

Trenching should be conducted on anomalous zones where the thickness of the glacial overburden allows.

Diamond drilling should test targets identified by the existing geological, geophysical, geochemical and trenching results and by additional work that will be conducted in the first part of the 2004 field season. The linear northwest-southeast trending chargeability high that crosses the F Road and continues south of 8400 Road has coincident lead and zinc soil anomalies with additional copper soil anomalies to the south and southwest and should be drill tested, perhaps following a program of trenching. The east-west HLEM which overlies the "E-Scan" resistivity low provides a second high-priority drill target. Additional targets identified by the recommended geochemical and geophysical surveys above should be drill-tested as required.

The second phase of the program will be contingent on obtaining sufficient positive results from the first phase of the proposed program.

Frank Creek Polymetallic Massive Sulphide Project

Geological mapping should continue in order to help determine the stratigraphic and structural setting of the mineralization. This should be integrated with that being done by Ferri of the B.C. Geological Survey between the Ace and Frank Creek areas.

The Quantec Titan geophysical survey was successful at identifying 18 anomalies consistent with massive sulphide mineralization in the vicinity of D Road and the F-1 showing. The results of this survey will be integrated with existing geological information from previous mapping, trenching and diamond drilling. These targets should be systematically drilled-tested with priority given to those close to previously identified bedrock or float mineralization and/or soil geochemical anomalies. Downhole geophysical surveying, particularly EM, is recommended as a part of future drill programs.

Geochemical soil surveys should be conducted over the strike extensions of known mineralized trends and also over specific target areas in order to identify base and/or precious metal soil anomalies, which may be indicative of economic massive sulphide mineralization targets in the local bedrock. Lithogeochemical studies should be continued in future exploration programs and integrated with the results of the recent OSC report.

The second phase of the program will be contingent on obtaining sufficient positive results from the first phase of the proposed program.

SCR Project

Geological mapping should continue in order to help determine the stratigraphic and structural setting of the mineralization. This should be integrated with that being done by Ferri of the B.C. Geological Survey between the Ace and Frank Creek areas.

Lithogeochemistry studies should be continued in order to determine the stratigraphic and alteration relations of the rock sequences hosting the known mineralization, using advanced lithogeochemical methods, combined with new core and outcrop sampling and petrography.

Given the success of the Titan geophysical survey on the Frank Creek property, such a survey is considered to be just as applicable on the SCR property. Linecutting and a DCIP-MT survey is recommended.

Soil geochemistry should be conducted over the grid and should be extended to the east to cover the possible extensions of the anomalous zone as defined by geology and coincident magnetic and HLEM anomalies. As on the Ace Property, an attempt to address the glacial history of the area and, thus, the validity of soil sampling should be made. An orientation survey to test the applicability of MMI/enzyme leach geochemical techniques is also recommended at SCR where glacial cover is locally quite thick. If such techniques appear to be applicable, then the survey should be expanded with priority being given to areas of ‘conventional’ soil anomalies and areas containing mineralized boulders.

Diamond drilling should test the most prospective anomalies as defined by the geology, geophysics, geochemistry and trenching. Coincident geophysical and geochemical anomalies should be given higher priority.

The second phase of the program will be contingent on obtaining sufficient positive results from the first phase of the proposed program.

Kangaroo Project

IP geophysical surveys have proven useful in this area. The 2003 geophysical survey should be extended northward and eastward across Barker claims PG 9 and PG 7 along the established northwest-southeast anomalous trend. Peter Walcott, P.Eng., geophysical consultant to Barker Minerals, recommended that the survey be extended an additional 500 metres to the north and 1 km to the east (summary report to Barker Minerals). A broader soil geochemical survey is recommended in the same area. Detailed geological mapping accompanied by lithogeochemical sampling should be carried out to better define the geological setting and to detect and quantify alteration effects. Trenching should be used to expose bedrock over the best geochemical and geophysical targets. If the results of this work prove promising then a first phase of diamond drilling should test the best targets.

A second phase of exploration is contingent on the success of this first phase.

Unlikely Prospect/Rollie Creek Area

The area along Keithley Creek Road on the western side of Cariboo Lake (roughly from UTM 5844530N to 5844650N) contains anomalous Cu±Pb-Zn mineralization hosted by sedimentary rocks of the Harveys Ridge Formation. The geological setting here appears to be similar to that around the F-1 showing in the Frank Creek area to the east. This area warrants further exploration work. Poor outcrop exposure and steep terrain above the road outcrops likely precludes extensive useful geological mapping although the area should still be examined. IP and EM geophysical surveys will likely be more useful tools for outlining potentially mineralized targets here, although care should be taken with such work to take into account possible ‘cultural’ effects such as the presence of telephone lines along the road. The steepness of the terrain and the position of the mineralization above the main Unlikely showing may render drilling difficult, but not impossible. The southern mineralized exposure would likely be an easier target for drilling. These exposures should be assessed for the possibility of doing some limited blasting to better expose the mineralization. This would have to be done with great care, however, given the proximity of the road and the telephone lines. If geophysical survey(s) return promising results then a small diamond drill program is recommended to follow up these targets.

Prospecting up the Rollie Creek drainage is recommended in an attempt to determine the source of the mineralized sandstone boulder near the Rollie Creek bridge.

Blackbear Project Area (from Perry, 2002)

Since it appears that interest in gold is increasing as its price has risen substantially during the previous year, the Company should begin to investigate this project area, which hosts the former Providence Mine, from which a previous operator's shipment of selected ore from the No. 2 zone assayed 3343 grams of silver per tonne, 45.7% lead, 0.11% zinc and 4.9 grams of gold per tonne (all the above from BC MinFile 093A 003). One grab sample (# 11-07-98-59; Barker Minerals) of outcropping mineralization contained 52% Pb, 0.03% Zn, 142 oz/ton Ag and 0.081oz/ton Au. (Payne, 1999; BC Assessment Report). All previous exploration results available should be compiled, interpreted and, if then warranted, be followed up with an initial program designed to identify and develop drill targets having economic massive sulphide and/or gold/silver potential.

Cariboo Prospect and Other Areas (from Perry, 2002)

Detailed geological mapping should be continued in the Cariboo prospect area in order to help determine the extent of deformation and in order to explore for targets of Zn+Pb replacement deposits along strike of the known zones. Compilation of all relevant data and limited diamond drilling is recommended in order to confirm the previous operator's drilling and in order to further define and investigate the size and economic potential of this deposit, which is open in both directions along strike and at depth. Despite low gold concentrations found there to date, further prospecting in the near vicinity and exploratory investigation of the Foster zone for its gold potential is recommended in light of its position within the Pleasant Valley Thrust and the intensity of sulphides in the zone and their localization at a junction of two large scale structures.

Elsewhere in the eastern half of the property, detailed mapping and follow-up geochemical sampling and geophysical surveys should be performed in areas of significant, multi-element stream-sediment anomalies. Areas of particular interest are the upper reaches of the Sellers Creek and Grain Creek drainage basins.

The second phase of the program will be contingent on obtaining sufficient positive results from the first phase of the proposed program.

Quesnel Platinum Project (from Perry, 2002)

Stream and soil sampling programs should be conducted in drainages associated with known placer occurrences of PGE minerals, especially in areas of mafic and ultramafic rocks that may be sources of such minerals. Studies should be done in order to characterize the assemblages of PGE's, which could help determine the environment of their origin. Geological mapping should be conducted in areas of mafic and ultramafic rocks in order to better understand the nature of these rocks and their possible association with PGE minerals. Prospecting should continue in drainages that contain known placer Pt deposits or anomalous concentrations of PGE's.

The zone of large copper concentrations in the Mag claims should be studied in more detail geologically, geochemically and geophysically. Other zones of coincident geochemical and geophysical anomalies should be examined once data from previous reports are compiled and interpreted. Some of these areas will require new grids for geophysical and geochemical surveys.

The second phase of the program will be contingent on obtaining sufficient positive results from the first phase of the proposed program.

Regional Generative Exploration

Large portions of the Barker Minerals' properties remain largely unexplored. For example, the areas between the Ace and Frank Creek prospects east of Cariboo Lake and in the vicinity of Grain and Ishkloo Creeks in the central and eastern parts of the claim block have received only limited exploration by Barker staff. Since these areas appear to contain similar geology to the Ace and Frank areas, they warrant exploration.

A reconnaissance-scale exploration program is recommended for these relatively unknown areas. A first phase of work should comprise general prospecting and geological mapping and sampling to identify new prospective areas and to establish the geological setting. This work can be accompanied by stream sediment geochemical sampling and possibly geophysical surveys. If this first phase is successful at identifying some areas of interest then a second phase of geological mapping and geochemical and geophysical surveys is recommended. Diamond drilling would not likely be warranted at this early stage unless the results of the first phase were particularly good. Some areas have already been identified by Barker Minerals that are considered to be of interest based on preliminary prospecting, but that have not been given "project area" status as yet (L. Doyle, Barker president, pers. comm.). These areas warrant further work including linecutting, sampling and possibly trenching.

6.0 Certificate or Qualifications

Report was prepared by Louis E. Doyle, Prospector and President of Barker Minerals Ltd. Mr. Doyle has been responsible for the oversight of all exploration on Barkers properties for the last 13 years. Data within this report was compiled from the following independent company technical reports or their authors;

"Geophysical Interpretation Report Regarding the Quantec TITAN-24 Distributed Array System Tensor-Magnetotelluric and DC Resistivity and IP Surveys over a portion of the Frank Creek Project by *Quantec Geoscience Inc.,"*

"Technical Report on The Cariboo Properties Of Barker Minerals Ltd. *by S.D. McKinley*, M.Sc., P. Geo.**"**

"Lithological and Lithogeochemical Features Of Rocks on The Frank Creek and Ace Properties, Cariboo Lake Area, East Central B.C. *by Dr. T.J. Barrett and Dr. W.H. McLean*"

"Report on Two Separate Diamond Drilling Programs Conducted On the Frank Creek Property,
Paul G. Anderson, M.Sc., P. Geo. Anderson Geological Consultants Ltd. Mission, B.C.**"**

Barker Minerals Ltd.

Work was completed on the following claims:

Big Gulp 7	(Old tenure 382064, new MTO # 514343)
Jess 1	(Old tenure 347964, new MTO # 504425)
Jess 2	(Old tenure 382065, new MTO # 514373)
Frank	(Old tenure 369406, new MTO # 514364)

Expenditures for December 16, 2005 - October 23, 2006

Geological - Drilling

Louis Doyle - Planning, supervising and report preparation		
20 days @ $350.00/day wages	$	7,000.00
20 days @ $100.00/day room & board	$	2,000.00
20 days @ $125.00/day vehicle & gas	$	2,500.00
Aaron Doyle - Camp manager, drill swamper & expiditor etc….		
28 days @ $250.00/day wages	$	7,000.00
28 days @ $100.00/day room & board	$	2,800.00
28 days @ $125.00/day vehicle & gas	$	3,500.00
James Doyle - Camp cook & expiditor etc….		
6 days @ $250.00/day wages	$	1,500.00
6 days @ $100.00/day room & board	$	600.00
6 days @ $125.00/day vehicle & gas	$	750.00
Chris Stevens - Camp manager, drill swamper & expiditor etc….		
30 days @ $300.00/day wages	$	9,000.00
30 days @ $100.00/day room & board	$	3,000.00
15 days @ $125.00/day vehicle & gas	$	1,875.00
Geocon Exploration Management Ltd. - Consulting Geologist ($450/day)	$	5,457.56
6 days @ $100.00/day room & board	$	600.00
6 days @ $125.00/day vehicle & gas	$	750.00
Anderson Geological Consultants Ltd. - Geologist ($400/day)	$	17,585.77
8 days @ $100.00/day room & board	$	800.00
8 days @ $125.00/day vehicle & gas	$	1,000.00
Ursala Mowat - Core logging ($400/day)	$	16,800.00
41 days @ $100.00/day room & board	$	4,100.00

Barker Minerals Ltd.

Work was completed on the following claims:

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Jess 1	(Old tenure 347964, new MTO # 504425)
Jess 2	(Old tenure 382065, new MTO # 514373)
Frank	(Old tenure 369406, new MTO # 514364)

Expenditures for December 16, 2005 - October 23, 2006

Geological - Drilling

Richard Ney - Core splitter ($250/day)	$ 8,480.51
42 days @ $100.00/day room & board	$ 4,200.00
Marco Zatta - Core teching	$ 8,480.00
42 days @ $100.00/day room & board	$ 4,200.00
Jack Heinemann - Camp logistics	$ 5,683.13
30 days @ $100.00/day room & board	$ 3,000.00
Wayne Jackaman - Map drafting	$ 2,141.40
Pothier Enterprises Ltd.	$ 109.14
Radius Drilling Corporation	$ 231,929.03
168 days @ $100.00/day room & board	$ 16,800.00
Hardrock Drilling	$ 118,000.00
60 days @ $100.00/day room & board	$ 6,000.00
Westcoast Drilling Supplies	$ 4,646.75
Cariboo Hyab Services Ltd.	$ 495.55
S & F Construction Ltd.	$ 1,065.15
Interior Roads Cariboo	$ 154.30
Robertson Mfg Ltd.	$ 15,009.82
Crooked Lake Forest Products Ltd.	$ 250.00
Vancouver Petrographics Ltd. (Rock saw blades)	$ 642.00

Barker Minerals Ltd.

Work was completed on the following claims:

Big Gulp 7	(Old tenure 382064, new MTO # 514343)
Jess 1	(Old tenure 347964, new MTO # 504425)
Jess 2	(Old tenure 382065, new MTO # 514373)
Frank	(Old tenure 369406, new MTO # 514364)

Expenditures for December 16, 2005 - October 23, 2006

Geological - Drilling		
Larry's Heavy Hauling Ltd.	$	1,362.90
Quad rental		
42 days @ $100.00/day	$	4,200.00
Satelite phone		
42 days @ $25.00/day	$	1,050.00
Geochemical		
Activation Laboratories Ltd.	$	26,591.36
General Expenses		
Repairs & maintenance	$	5,192.60
Supplies	$	13,441.38
Gas & diesel	$	21,793.97
Travel expenses (food & gas)	$	11,015.30
Total Geological Expenditures	**$**	**604,552.62**

Barker Minerals Ltd. Frank Creek 2002 - 2006 DDH Parameters

Hole ID	Grid Location	UTM East	UTM North	Az.(˚)	Dip (˚)	Length(m)	Elev. (m)	Sample ID	Total	Target
FC-02-01	57+95N/16+00W	610307	5845745	90	-45	97.84	1042	8235-8246;2LF01-31-32, 2L01-44	8	F-1 Target area ; testing for the FC mineralized horizon
FC-02-02	57+20N/12+80W	610606	5845673	90	-45	144.78	1077	8247-8253	7	F-1 Target are;testing strong max-min conductors
FC-02-03	54+30N/13+47W	610565	5845434	90	-45	118.87	1140	8254-8259	5	F-1; Target area; testing under the FC massive sulfide showing
FC-02-04	54+50N/12+20W	610699	5845454	90	-45	158.19	1140	8260-8265	6	F-1 Target area; testing strong max-min conductors
FC-02-05	55+60N/15+00W	610410	5845532	75	-45	158.50	1115	8266-8285, 1LF05-12 to 3LF05-43	42	F-1 Target area ; testing for the FC mineralized horizon
FC-02-06	56+11N/15+41W	could not locate		70	-45	135.03	1103	8286-8304,1LF06-22 to 3LF06-41	32	F-1 Target area ; testing for the FC mineralized horizon
FC-04-07	57+00N/23+00W	609610	5845618	265	-80	487.10	1008	212304-313, 212316-323,212327-329,212341-343, 212350,9135,9137,9150-159	37	Two shallow to mid-depth high chargeability-low resistivity anomalies and a deeper 'layered' geophysical anomaly indicated by Titan survey
FC-04-08	57+00N/16+00W	610303	5845653	270	-50	446.20	1070	212356-359, 212361-370, 212373-376, 9138-142	21	Large coincident chargeability-high/resistivity-low at approx.17+50W and 850m elev and a smaller IP near surface anomaly
FC-04-09	58+70N/21+30W	609777	5845786	30	-49	130.50	990	212386-212394, 9143-9146,9178	14	Testing down-dip extent of mineralization encountered in trenching immediately to the north of the DDH collar
FC-04-10	58+70N/21+30W	609777	5845786		-90	41.80	990	212399	1	Potential down-dip extension of 0.5 m wide massive sulfide mineralization in FC-04-09
FC-04-11	58+70N/21+30W	609777	5845786	350	-48	94.80	990	212402-212411, 9147-9149	13	Possible western strike extension of the massive sulfide mineralization intersected in FC-04-09
FC-04-12	58+20N/20+40W	609862	5845748	23	-65	236.50	1000	212415-212425, 212433, 9160-9163, 187325-187369	61	Testing the area below mineralized boulders as reported from trenching immediately to the north of DDH collar
FC-04-13	57+00N/21+10W	609897	5845630	90	-67	444.40	1025	212438-439, 447, 212450-471,187808-812,9124-26, 9128, 9131,9133-9134, 9164-9176, SMck9178, 20922-950, 39701-31	110	Targeting a large chargeability-high/resistivity-low as indicated by Titan geophysical survey
FC-05-14	59+05N/20+08W	609908	5845829	90	-70	395.40	995	A39326-A39355,187282-187324	73	Testing a MT resistivity-low at 200-250 m depth from the Quantec Survey; also shallow conductive IP high (in upper 30 m) and DC-low
FC-05-15	61+00N/24+00W	609491	5846002	90	-70	413.72	920	A39356-A39369	14	IP chargeability-high in upper 250 m, underlain (with overlap) by a DC resistivity-low flat anomaly at 200-250 m depth; also MT resistivity-low

Barker Minerals Ltd. Frank Creek 2002 - 2006 DDH Parameters

Hole ID	Grid Location	UTM East	UTM North	Az.(˚)	Dip (˚)	Length(m)	Elev. (m)	Sample ID	Total	Target
FC-05-16	61+00N/27+25W	609147	5845984		-90	401.52	885	A39370-A39382, 34026-34125 39251-39301	164	Shallow chargeability-high (50-175 m depth), underlain (overlap) by a DC resistivity-low (150-350 m depth); also MT resistivity-low at ~50 m, increasing with depth
FC-05-17	57+00N/18+50W	610067	5845631	90	-70	355.80	1050	A39383-A39453, 39302-39375, 28801-28843	188	Follow-up on FC-04-08 and 04-13 targeting IP chargeability-high/DC resistivity-low at 150-250 m depth associated with low MT resistivity
FC-06-18	60+00N/20+00W	609902	5845912		-90	491.05	985	20844-20900, 20951-20985	93	
FC-06-19	55+00N/16+00W	610319	5845466	90	-80	389.79	1130	20986-21000, 34226-250, 39151-193	83	
FC-06-20	59+00N/23+00W	609604	5845835	270	-85	236.38	970	187201-176281	81	
FC-06-21	55+00N/19+00W	610036	5845442	270	-80	497.50	1100	39194-39250, 39476-39577	159	
FC-06-22	55+00N/18+00W	610124	5845454	270	-80	422.73	1120	39578-36669	91	
					Total	**6298.40 m**		**Total**	**1303**	

2005 - 2006 Frank Drill Results

					Cu	Pb	Zn	Ag	Au
					ppm	ppm	ppm	ppm	ppb
					1	5	1	0.3	2
					TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA
FC-05-14	39326	111.23	111.54	0.31	57	15	56	0.4	< 5
FC-05-14	39327	111.23	111.54	0.31	55	13	64	0.5	< 5
FC-05-14	39328	148.06	148.69	0.63	17	13	22	0.5	< 5
FC-05-14	39329	148.69	148.89	0.20	2600	139	1060	9.5	137
FC-05-14	39330	148.89	149.89	1.00	99	80	229	1.0	< 5
FC-05-14	39331	149.89	150.08	0.19	54	3380	7640	5.8	9
FC-05-14	39332	150.08	151.08	1.00	45	29	155	0.5	< 5
FC-05-14	187282	18.30	20.74	2.44	33	26	148	0.6	< 2
FC-05-14	187283	40.87	42.40	1.53	20	23	141	< 0.3	< 2
FC-05-14	187284	50.94	53.99	3.05	33	29	145	< 0.3	< 2
FC-05-14	187285	100.65	104.01	3.36	23	25	96	0.5	< 2
FC-05-14	187286	105.84	107.97	2.13	37	36	101	0.9	< 2
FC-05-14	187287	107.97	111.02	3.05	36	67	144	< 0.3	< 2
FC-05-14	187288	111.63	114.68	3.05	25	11	56	< 0.3	< 2
FC-05-14	187289	114.68	117.73	3.05	67	202	222	1.3	< 2
FC-05-14	187290	117.73	118.80	1.07	53	450	1120	2	< 2
FC-05-14	187291	118.80	121.70	2.90	24	11	46	0.3	2
FC-05-14	187292	121.70	124.75	3.05	30	22	73	0.5	< 2
FC-05-14	187293	124.75	127.49	2.74	34	37	74	< 0.3	< 2
FC-05-14	187294	127.49	130.85	3.36	50	53	91	0.5	< 2
FC-05-14	187295	130.85	131.76	0.91	21	25	62	< 0.3	< 2
FC-05-14	187296	131.76	133.29	1.53	35	45	154	< 0.3	< 2
FC-05-14	187297	133.29	135.12	1.83	26	14	75	0.4	< 2
FC-05-14	187298	135.12	136.64	1.52	24	14	59	< 0.3	< 2
FC-05-14	187299	138.01	138.78	0.77	42	25	47	0.5	< 2
FC-05-14	187300	157.38	160.43	3.05	39	11	69	< 0.3	< 2
FC-05-14	187301	160.43	163.48	3.05	37	8	81	< 0.3	< 2
FC-05-14	187302	163.48	166.38	2.90	43	8	57	< 0.3	< 2
FC-05-14	39333	166.50	167.50	1.00	35	< 5	87	0.4	< 5
FC-05-14	39334	167.50	167.70	0.20	1560	< 5	117	1.9	< 5
FC-05-14	39335	167.70	167.90	0.20	3390	10	397	5.2	24
FC-05-14	39336	167.90	168.14	0.24	1690	< 5	335	2.4	6
FC-05-14	39337	168.14	168.97	0.83	220	< 5	193	0.6	< 5
FC-05-14	39338	168.97	169.27	0.30	5390	9	637	7.8	31
FC-05-14	39339	169.27	169.47	0.20	13900	9	982	17.8	52
FC-05-14	39340	169.47	170.47	1.00	115	< 5	5	< 0.3	< 5
FC-05-14	39341	170.47	171.87	1.40	874	18	117	1.7	< 5
FC-05-14	187303	171.56	172.63	1.07	23	18	117	< 0.3	< 2
FC-05-14	39342	172.49	172.87	0.38	10	8	32	0.4	< 5
FC-05-14	187304	172.94	174.16	1.22	32	12	62	< 0.3	< 2
FC-05-14	187305	174.16	175.53	1.37	22	11	84	< 0.3	< 2
FC-05-14	187306	175.53	177.51	1.98	35	16	67	< 0.3	< 2
FC-05-14	187307	188.49	190.02	1.53	32	10	64	< 0.3	< 2
FC-05-14	39343	194.67	194.90	0.23	54	< 5	35	< 0.3	< 5
FC-05-14	187308	200.39	202.52	2.13	341	166	450	0.8	< 2
FC-05-14	39344	202.53	202.71	0.18	97	< 5	27	0.4	13
FC-05-14	39345	202.71	203.35	0.64	2960	5	571	1.6	<5
FC-05-14	187309	203.44	204.35	0.91	78	127	628	1.1	< 2

2005 - 2006 Frank Drill Results

					Cu ppm 1 TD-ICP	Pb ppm 5 TD-ICP	Zn ppm 1 TD-ICP	Ag ppm 0.3 TD-ICP	Au ppb 2 INAA
FC-05-14	187310	204.35	207.55	3.20	115	28	132	0.7	< 2
FC-05-14	187311	207.55	210.60	3.05	59	94	138	0.7	< 2
FC-05-14	187312	210.60	213.65	3.05	26	19	86	< 0.3	< 2
FC-05-14	187313	213.65	215.94	2.29	32	22	114	< 0.3	< 2
FC-05-14	187314	215.94	218.38	2.44	25	7	79	< 0.3	< 2
FC-05-14	187315	218.38	221.43	3.05	70	10	89	< 0.3	< 2
FC-05-14	187316	221.43	225.09	3.66	111	12	102	< 0.3	< 2
FC-05-14	187317	225.09	227.23	2.14	86	9	96	< 0.3	< 2
FC-05-14	39347	248.51	248.66	0.15	806	6	230	0.9	< 5
FC-05-14	39346	248.51	248.66	0.15	271	< 5	217	0.4	13
FC-05-14	39348	249.27	249.42	0.15	815	6	215	1.2	12
FC-05-14	39349	249.97	250.16	0.19	169	183	108	1.8	< 5
FC-05-14	39350	250.16	250.31	0.15	231	46	179	0.8	9
FC-05-14	187318	252.24	255.29	3.05	47	12	126	< 0.3	< 2
FC-05-14	187319	255.49	257.42	1.93	54	16	157	< 0.3	< 2
FC-05-14	39351	268.10	268.25	0.15	9	57	67	0.4	< 5
FC-05-14	39352	305.45	305.60	0.15	51	2130	132	1.9	< 5
FC-05-14	39353	305.60	305.82	0.22	72	22	85	0.6	< 5
FC-05-14	187320	315.07	318.12	3.05	30	12	79	0.3	< 2
FC-05-14	187321	318.12	321.17	3.05	30	25	79	< 0.3	< 2
FC-05-14	187322	328.18	331.23	3.05	21	16	68	< 0.3	< 2
FC-05-14	187323	331.23	332.76	1.53	25	17	75	< 0.3	< 2
FC-05-14	39354	337.50	337.78	0.28	93	53	233	0.8	< 5
FC-05-14	39355	337.78	337.96	0.18	304	160	1030	1.3	1
FC-05-14	187324	338.25	339.16	0.91	57	30	154	< 0.3	< 2
FC-05-15	39356	158.05	158.20	0.15	281	7130	8780	8.3	< 5
FC-05-15	39357	158.20	158.47	0.27	56	179	186	0.7	< 5
FC-05-15	39362	169.79	197.48	0.69	38	< 5	106	0.5	< 5
FC-05-15	39358	195.86	196.20	0.34	61	24	223	0.7	< 5
FC-05-15	39359	196.20	196.49	0.29	162	18	90	0.7	< 5
FC-05-15	39360	196.49	196.64	0.15	2250	47	653	1.7	10
FC-05-15	39361	196.64	169.79	0.15	152	346	1390	3.3	< 5
FC-05-15	39363	207.15	207.30	0.15	386	14	106	< 0.3	< 5
FC-05-15	39364	220.03	220.39	0.36	136	25	106	0.8	< 5
FC-05-15	39365	220.39	220.54	0.15	7170	145	274	5.6	23
FC-05-15	39366	237.87	238.02	0.15	1250	50	164	1.3	8
FC-05-15	39367	237.87	238.02	0.15	598	71	162	1.3	< 5
FC-05-15	39368	256.41	256.62	0.21	35	6	50	< 0.3	< 5
FC-05-15	39369	256.62	256.88	0.26	84	< 5	36	0.5	< 5
FC-05-16	34026	17.38	18.91	1.53	36	< 5	78	< 0.3	< 2
FC-05-16	34027	18.91	20.28	1.37	23	7	40	0.4	< 2
FC-05-16	34028	20.28	21.35	1.07	62	10	142	< 0.3	< 2
FC-05-16	34029	21.35	23.18	1.83	38	41	95	0.4	< 2
FC-05-16	34030	23.18	23.94	0.76	15	10	63	< 0.3	< 2
FC-05-16	34031	23.94	26.84	2.90	26	18	67	0.7	7
FC-05-16	34032	26.84	27.76	0.92	43	34	83	< 0.3	< 2

2005 - 2006 Frank Drill Results

					Cu ppm 1 TD-ICP	Pb ppm 5 TD-ICP	Zn ppm 1 TD-ICP	Ag ppm 0.3 TD-ICP	Au ppb 2 INAA
FC-05-16	34033	27.76	29.28	1.52	25	27	72	< 0.3	< 2
FC-05-16	34034	29.28	30.81	1.53	30	113	85	0.7	< 2
FC-05-16	34035	30.81	33.86	3.05	29	20	75	0.3	< 2
FC-05-16	34036	33.86	36.91	3.05	13	13	58	< 0.3	< 2
FC-05-16	34037	36.91	39.35	2.44	19	19	58	< 0.3	< 2
FC-05-16	34038	39.35	42.40	3.05	34	30	86	< 0.3	< 2
FC-05-16	34039	42.40	45.45	3.05	26	41	78	0.5	< 2
FC-05-16	34040	45.45	47.89	2.44	32	22	96	0.3	7
FC-05-16	34041	47.89	49.41	1.52	17	14	49	0.4	< 2
FC-05-16	34042	49.41	52.46	3.05	18	14	71	0.7	< 2
FC-05-16	34043	52.46	53.68	1.22	14	18	69	0.4	< 2
FC-05-16	34044	53.68	56.73	3.05	29	33	76	0.7	5
FC-05-16	34045	56.73	59.17	2.44	39	13	91	0.9	< 2
FC-05-16	34046	59.17	60.39	1.22	26	141	68	0.7	< 2
FC-05-16	34047	60.39	63.14	2.75	43	28	92	0.4	< 2
FC-05-16	34048	63.14	66.64	3.50	37	28	87	0.4	< 2
FC-05-16	34049	66.64	69.69	3.05	17	12	43	< 0.3	< 2
FC-05-16	34050	69.69	72.74	3.05	12	< 5	38	0.5	< 2
FC-05-16	34051	72.74	75.95	3.21	23	12	54	< 0.3	< 2
FC-05-16	34052	75.95	79.00	3.05	29	14	73	< 0.3	< 2
FC-05-16	34053	79.00	82.05	3.05	35	17	64	< 0.3	< 2
FC-05-16	34054	82.05	85.10	3.05	42	29	95	0.5	6
FC-05-16	34055	85.10	86.32	1.22	47	32	120	0.6	< 2
FC-05-16	34056	86.32	89.37	3.05	18	10	56	0.3	< 2
FC-05-16	34057	89.37	92.42	3.05	31	19	77	0.7	< 2
FC-05-16	34058	92.42	95.47	3.05	17	11	54	0.6	< 2
FC-05-16	34059	95.47	100.00	4.53	26	17	60	0.5	< 2
FC-05-16	34060	100.00	103.09	3.09	73	36	104	1	< 2
FC-05-16	34061	103.09	106.45	3.36	21	5	50	0.6	< 2
FC-05-16	34062	106.45	109.50	3.05	21	16	59	< 0.3	< 2
FC-05-16	34063	109.50	112.55	3.05	11	26	97	0.4	< 2
FC-05-16	34064	112.55	114.07	1.52	40	39	135	1	< 2
FC-05-16	34065	114.07	117.73	3.66	52	47	903	1.6	12
FC-05-16	34066	117.73	120.78	3.05	20	21	67	0.5	4
FC-05-16	34067	120.78	123.83	3.05	35	28	951	1.3	7
FC-05-16	34068	123.83	127.19	3.36	43	33	1340	1.8	< 2
FC-05-16	34069	127.19	130.24	3.05	49	27	1250	2.7	< 2
FC-05-16	34070	130.24	133.29	3.05	83	22	924	1.1	< 2
FC-05-16	34071	133.29	138.17	4.88	37	23	493	1.7	< 2
FC-05-16	34072	138.17	139.69	1.52	15	26	92	0.6	11
FC-05-16	34073	139.69	142.74	3.05	32	36	165	0.6	< 2
FC-05-16	34074	142.74	144.57	1.83	50	36	453	1.6	< 2
FC-05-16	34075	144.57	147.62	3.05	24	37	122	1.4	< 2
FC-05-16	34076	147.62	150.67	3.05	32	21	150	0.6	< 2
FC-05-16	34077	150.67	153.72	3.05	28	15	89	< 0.3	< 2
FC-05-16	34078	153.72	156.77	3.05	25	14	53	< 0.3	< 2
FC-05-16	34079	156.77	159.82	3.05	30	14	35	< 0.3	< 2
FC-05-16	34080	159.82	162.87	3.05	23	9	38	< 0.3	7

2005 - 2006 Frank Drill Results					Cu	Pb	Zn	Ag	Au
					ppm	ppm	ppm	ppm	ppb
					1	5	1	0.3	2
					TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA
FC-05-16	34081	162.87	165.92	3.05	28	18	67	< 0.3	< 2
FC-05-16	34082	165.92	168.97	3.05	12	11	28	< 0.3	< 2
FC-05-16	34083	168.97	172.02	3.05	21	13	32	< 0.3	< 2
FC-05-16	34084	172.02	175.99	3.97	17	14	32	< 0.3	< 2
FC-05-16	34085	175.99	176.90	0.91	11	28	56	0.6	< 2
FC-05-16	34086	176.90	178.43	1.53	50	11	134	< 0.3	< 2
FC-05-16	34087	178.43	181.48	3.05	32	17	69	< 0.3	< 2
FC-05-16	34088	181.48	184.53	3.05	11	20	56	0.4	< 2
FC-05-16	34089	184.53	187.58	3.05	46	12	72	< 0.3	< 2
FC-05-16	34090	187.58	189.10	1.52	11	15	54	0.5	< 2
FC-05-16	34091	189.10	192.15	3.05	29	22	77	0.5	< 2
FC-05-16	34092	192.15	194.29	2.14	35	20	78	< 0.3	< 2
FC-05-16	34093	194.29	195.66	1.37	32	18	84	0.4	< 2
FC-05-16	34094	195.66	198.86	3.20	44	18	86	0.3	< 2
FC-05-16	34095	198.86	201.45	2.59	31	15	45	0.6	< 2
FC-05-16	34096	201.45	202.22	0.77	30	15	95	< 0.3	< 2
FC-05-16	34097	202.22	205.57	3.35	12	12	39	0.5	< 2
FC-05-16	34098	205.57	207.40	1.83	21	61	49	0.5	< 2
FC-05-16	34099	207.40	209.23	1.83	42	14	89	0.5	< 2
FC-05-16	34100	209.23	212.28	3.05	20	16	56	< 0.3	< 2
FC-05-16	34101	212.28	215.33	3.05	32	39	87	0.6	< 2
FC-05-16	34102	215.33	216.86	1.53	32	16	96	< 0.3	< 2
FC-05-16	34103	216.86	219.91	3.05	22	17	82	< 0.3	< 2
FC-05-16	34104	219.91	222.96	3.05	24	14	59	< 0.3	< 2
FC-05-16	34105	222.96	226.01	3.05	23	15	64	< 0.3	< 2
FC-05-16	34106	226.01	226.92	0.91	26	9	74	< 0.3	< 2
FC-05-16	34107	226.92	228.45	1.53	19	22	42	< 0.3	< 2
FC-05-16	34108	228.45	231.50	3.05	11	14	19	< 0.3	< 2
FC-05-16	34109	231.50	233.02	1.52	10	11	13	< 0.3	3
FC-05-16	34110	233.02	234.85	1.83	43	20	71	0.4	< 2
FC-05-16	34111	234.85	236.99	2.14	15	26	56	< 0.3	< 2
FC-05-16	34112	236.99	240.04	3.05	26	12	40	0.8	< 2
FC-05-16	34113	240.04	243.09	3.05	15	20	34	0.4	< 2
FC-05-16	39370	240.80	240.95	0.15	71	267	340	2	< 5
FC-05-16	39371	242.80	242.99	0.19	14900	26100	64200	100	41
FC-05-16	39372	242.99	243.85	0.86	41	87	205	1.5	< 5
FC-05-16	39373	243.85	244.00	0.15	962	73	175	2.1	< 5
FC-05-16	39374	244.00	245.00	1.00	54	11	184	0.9	< 5
FC-05-16	34114	245.22	247.66	2.44	65	56	1570	0.4	< 2
FC-05-16	34115	247.66	249.19	1.53	17	22	43	< 0.3	< 2
FC-05-16	34116	249.19	252.54	3.35	15	15	113	0.4	< 2
FC-05-16	39375	250.18	250.33	0.15	166	3130	2060	18.4	< 5
FC-05-16	34117	252.54	255.59	3.05	22	20	52	< 0.3	< 2
FC-05-16	34118	255.59	258.03	2.44	20	22	33	< 0.3	< 2
FC-05-16	34119	258.03	261.08	3.05	25	21	85	< 0.3	< 2
FC-05-16	34120	261.08	264.13	3.05	32	10	77	< 0.3	< 2
FC-05-16	34121	264.13	267.64	3.51	26	15	79	< 0.3	< 2
FC-05-16	34122	267.64	271.15	3.51	8	15	30	< 0.3	< 2

2005 - 2006 Frank Drill Results					**Cu**	**Pb**	**Zn**	**Ag**	**Au**
					ppm	**ppm**	**ppm**	**ppm**	**ppb**
					1	**5**	**1**	**0.3**	**2**
					TD-ICP	**TD-ICP**	**TD-ICP**	**TD-ICP**	**INAA**
FC-05-16	34123	271.15	272.18	1.03	3	18	<1	< 0.3	< 2
FC-05-16	34124	272.18	275.72	3.54	39	< 5	124	0.7	< 2
FC-05-16	34125	275.72	278.16	2.44	29	< 5	85	0.3	< 2
FC-05-16	39251	278.16	279.38	1.22	34	39	79	< 0.3	< 2
FC-05-16	39252	279.38	282.13	2.75	22	< 5	41	< 0.3	< 2
FC-05-16	39253	282.13	284.57	2.44	3	8	<1	< 0.3	< 2
FC-05-16	39254	284.57	288.23	3.66	89	< 5	84	< 0.3	< 2
FC-05-16	39255	288.23	290.67	2.44	30	10	66	< 0.3	< 2
FC-05-16	39256	290.67	291.89	1.22	24	11	78	0.4	< 2
FC-05-16	39257	291.89	294.78	2.89	16	15	56	< 0.3	< 2
FC-05-16	39258	294.78	296.46	1.68	11	11	28	< 0.3	7
FC-05-16	39259	296.46	299.51	3.05	34	< 5	103	< 0.3	< 2
FC-05-16	39260	299.51	302.56	3.05	32	< 5	103	< 0.3	< 2
FC-05-16	39261	302.56	305.61	3.05	36	< 5	94	< 0.3	< 2
FC-05-16	39262	305.61	306.83	1.22	39	< 5	98	< 0.3	< 2
FC-05-16	39263	306.83	308.66	1.83	35	< 5	78	< 0.3	< 2
FC-05-16	39264	308.66	311.71	3.05	18	12	32	< 0.3	< 2
FC-05-16	39265	311.71	312.78	1.07	11	20	33	< 0.3	< 2
FC-05-16	39376	312.73	312.88	0.15	52	488	2860	2.8	< 5
FC-05-16	39266	312.78	318.12	5.34	8	11	13	< 0.3	< 2
FC-05-16	39377	312.88	313.72	0.84	24	<5	83	1.1	< 5
FC-05-16	39378	313.72	314.55	0.83	35	<5	80	0.9	< 5
FC-05-16	39379	314.55	314.70	0.15	8	145	2030	0.9	< 5
FC-05-16	39380	314.70	315.20	0.50	26	5	80	1	< 5
FC-05-16	39267	318.12	320.40	2.28	8	16	12	< 0.3	< 2
FC-05-16	39268	320.40	321.78	1.38	29	16	87	< 0.3	< 2
FC-05-16	39381	321.45	321.60	0.15	253	20	109	0.7	< 5
FC-05-16	39269	321.78	324.83	3.05	55	23	80	< 0.3	< 2
FC-05-16	39270	324.83	328.49	3.66	69	22	71	< 0.3	< 2
FC-05-16	39271	328.49	329.40	0.91	53	72	83	0.8	< 2
FC-05-16	39272	329.40	332.45	3.05	17	< 5	37	0.4	< 2
FC-05-16	39273	332.45	333.67	1.22	19	28	45	0.6	9
FC-05-16	39274	333.67	335.20	1.53	40	17	91	0.6	< 2
FC-05-16	39382	333.76	334.16	0.40	30	325	10	0.8	< 5
FC-05-16	39275	335.20	338.25	3.05	31	19	83	0.5	< 2
FC-05-16	39276	338.25	339.47	1.22	44	53	104	0.7	< 2
FC-05-16	39277	339.47	342.52	3.05	28	10	106	< 0.3	< 2
FC-05-16	39278	342.52	343.43	0.91	15	12	48	0.5	< 2
FC-05-16	39279	343.43	346.48	3.05	38	19	96	< 0.3	< 2
FC-05-16	39280	346.48	347.40	0.92	20	46	65	< 0.3	< 2
FC-05-16	39281	347.40	349.84	2.44	25	16	125	< 0.3	< 2
FC-05-16	39282	349.84	351.97	2.13	15	39	38	< 0.3	< 2
FC-05-16	39283	351.97	355.33	3.36	24	18	83	< 0.3	< 2
FC-05-16	39284	355.33	358.38	3.05	40	27	83	< 0.3	10
FC-05-16	39285	358.38	360.51	2.13	23	22	62	< 0.3	< 2
FC-05-16	39286	360.51	362.34	1.83	28	18	61	< 0.3	< 2
FC-05-16	39287	362.34	363.56	1.22	40	23	102	< 0.3	< 2
FC-05-16	39288	363.56	366.61	3.05	37	17	67	< 0.3	< 2

2005 - 2006 Frank Drill Results

					Cu ppm 1 TD-ICP	Pb ppm 5 TD-ICP	Zn ppm 1 TD-ICP	Ag ppm 0.3 TD-ICP	Au ppb 2 INAA
FC-05-16	39289	366.61	369.66	3.05	20	13	63	< 0.3	4
FC-05-16	39290	369.66	372.41	2.75	16	15	74	< 0.3	< 2
FC-05-16	39291	372.41	375.15	2.74	28	41	118	< 0.3	< 2
FC-05-16	39292	375.15	378.20	3.05	27	19	68	< 0.3	< 2
FC-05-16	39293	378.20	378.81	0.61	17	12	53	< 0.3	< 2
FC-05-16	39294	378.81	380.95	2.14	13	44	68	< 0.3	< 2
FC-05-16	39295	380.95	384.00	3.05	38	28	54	0.4	< 2
FC-05-16	39296	384.00	387.05	3.05	15	24	47	< 0.3	< 2
FC-05-16	39297	387.05	389.79	2.74	37	32	72	0.5	< 2
FC-05-16	39298	389.79	392.84	3.05	30	39	86	< 0.3	< 2
FC-05-16	39299	392.84	394.98	2.14	20	28	84	< 0.3	< 2
FC-05-16	39300	394.98	398.33	3.35	16	16	41	< 0.3	5
FC-05-16	39301	398.33	401.67	3.34	21	15	52	< 0.3	< 2
FC-05-17	39383	6.53	7.07	0.54	108	< 5	92	< 0.3	< 5
FC-05-17	39384	7.07	7.22	0.15	281	< 5	78	< 0.3	< 5
FC-05-17	39385	7.22	8.22	1.00	123	< 5	73	< 0.3	< 5
FC-05-17	39386	8.22	9.30	1.08	104	< 5	78	0.3	< 5
FC-05-17	39387	8.22	9.30	1.08	100	< 5	75	< 0.3	< 5
FC-05-17	39388	9.30	10.40	1.10	76	< 5	65	0.5	7
FC-05-17	39389	10.40	11.40	1.00	102	< 5	75	< 0.3	6
FC-05-17	39390	11.40	11.55	0.15	243	< 5	85	0.3	< 5
FC-05-17	39391	11.55	11.75	0.20	156	< 5	87	< 0.3	< 5
FC-05-17	39302	12.51	15.25	2.74	46	17	90	< 0.3	< 2
FC-05-17	39303	15.25	17.69	2.44	24	15	36	< 0.3	< 2
FC-05-17	39304	17.69	21.05	3.36	36	32	101	< 0.3	< 2
FC-05-17	39305	21.05	23.33	2.28	28	24	53	< 0.3	< 2
FC-05-17	39306	23.33	24.25	0.92	22	23	72	< 0.3	< 2
FC-05-17	39307	24.25	28.06	3.81	21	22	63	< 0.3	< 2
FC-05-17	39308	28.06	29.59	1.53	36	39	87	< 0.3	14
FC-05-17	39309	29.59	30.65	1.06	39	18	68	< 0.3	< 2
FC-05-17	39310	30.65	34.47	3.82	38	26	90	< 0.3	< 2
FC-05-17	39311	34.47	35.38	0.91	56	21	77	< 0.3	< 2
FC-05-17	39312	35.38	38.43	3.05	17	28	54	< 0.3	7
FC-05-17	39313	38.43	41.48	3.05	17	32	44	< 0.3	< 2
FC-05-17	39314	41.48	44.53	3.05	19	20	49	< 0.3	< 2
FC-05-17	39315	44.53	47.58	3.05	14	16	48	< 0.3	< 2
FC-05-17	39316	47.58	49.41	1.83	10	16	31	< 0.3	< 2
FC-05-17	39317	49.41	51.55	2.14	24	26	81	< 0.3	< 2
FC-05-17	39318	51.55	54.60	3.05	15	14	36	0.4	< 2
FC-05-17	39319	54.60	57.04	2.44	15	29	52	< 0.3	< 2
FC-05-17	39320	57.04	60.70	3.66	42	42	84	< 0.3	< 2
FC-05-17	39321	60.70	63.75	3.05	14	21	46	< 0.3	< 2
FC-05-17	39322	63.75	66.80	3.05	19	31	55	< 0.3	< 2
FC-05-17	39323	66.80	69.85	3.05	25	27	47	< 0.3	< 2
FC-05-17	39324	69.85	71.37	1.52	15	20	35	0.3	< 2
FC-05-17	39325	71.37	74.42	3.05	41	74	187	< 0.3	< 2
FC-05-17	34326	74.42	77.47	3.05	72	206	296	0.9	< 2

2005 - 2006 Frank Drill Results

					Cu	Pb	Zn	Ag	Au
					ppm	**ppm**	**ppm**	**ppm**	**ppb**
					1	**5**	**1**	**0.3**	**2**
					TD-ICP	**TD-ICP**	**TD-ICP**	**TD-ICP**	**INAA**
FC-05-17	34327	77.47	81.28	3.81	54	56	168	< 0.3	< 2
FC-05-17	39392	81.12	82.62	1.50	94	57	189	0.6	< 5
FC-05-17	34328	81.28	101.11	19.83	57	511	572	< 0.3	< 2
FC-05-17	39393	82.62	83.43	0.81	260	304	1370	2.0	< 5
FC-05-17	39394	83.43	84.02	0.59	864	305	4510	3.3	5
FC-05-17	39395	84.02	84.19	0.17	3800	229	2340	5.9	13
FC-05-17	39396	84.19	84.54	0.35	4760	22	339	5.6	23
FC-05-17	39397	84.54	84.82	0.28	3140	51	173	4.9	54
FC-05-17	39398	84.82	85.37	0.55	74	< 5	163	0.4	< 5
FC-05-17	39399	85.37	86.37	1.00	327	63	295	1.1	< 5
FC-05-17	39400	86.37	87.37	1.00	502	92	439	2.3	5
FC-05-17	39401	87.37	88.37	1.00	138	155	381	2.6	< 5
FC-05-17	39402	88.37	89.37	1.00	24	58	201	0.5	< 5
FC-05-17	39403	89.37	90.37	1.00	18	194	296	1.3	< 5
FC-05-17	39404	90.37	91.37	1.00	116	695	1770	2.7	< 5
FC-05-17	39405	91.37	92.37	1.00	105	635	1370	1.7	< 5
FC-05-17	39406	92.37	93.44	1.07	46	238	338	1.0	< 5
FC-05-17	39407	92.37	93.44	1.07	48	232	325	0.8	< 5
FC-05-17	39408	93.44	94.51	1.07	59	90	492	0.9	< 5
FC-05-17	39409	94.51	94.66	0.15	1300	103	239	2.6	10
FC-05-17	39410	94.66	95.42	0.76	386	123	1020	1.0	< 5
FC-05-17	39411	95.42	95.57	0.15	2760	1380	2430	3.9	14
FC-05-17	39412	95.57	96.17	0.60	253	1120	2020	1.6	11
FC-05-17	39413	96.17	97.05	0.88	89	85	291	0.4	< 5
FC-05-17	39414	97.05	98.05	1.00	38	121	261	0.9	< 5
FC-05-17	34329	101.11	104.16	3.05	76	65	468	< 0.3	4
FC-05-17	34330	104.16	107.09	2.93	89	16	139	< 0.3	3
FC-05-17	34331	107.09	110.26	3.17	44	264	351	< 0.3	8
FC-05-17	34332	110.26	113.31	3.05	61	19	347	< 0.3	< 2
FC-05-17	34333	113.31	116.36	3.05	29	52	164	< 0.3	< 2
FC-05-17	34334	116.36	119.41	3.05	17	31	122	< 0.3	< 2
FC-05-17	34335	119.41	122.46	3.05	17	33	150	< 0.3	< 2
FC-05-17	34336	122.46	125.51	3.05	35	36	162	< 0.3	< 2
FC-05-17	34337	125.51	128.56	3.05	50	29	162	< 0.3	< 2
FC-05-17	34338	128.56	131.61	3.05	36	42	181	< 0.3	< 2
FC-05-17	34339	131.61	134.66	3.05	24	22	167	< 0.3	2
FC-05-17	34340	134.66	137.71	3.05	36	81	152	< 0.3	< 2
FC-05-17	34341	137.71	143.81	6.10	37	127	206	< 0.3	< 2
FC-05-17	34342	143.81	144.57	0.76	36	230	534	< 0.3	< 2
FC-05-17	34343	144.57	146.71	2.14	135	457	1040	1.3	< 2
FC-05-17	34344	146.71	147.93	1.22	20	94	300	< 0.3	< 2
FC-05-17	39415	147.57	147.87	0.30	264	2250	4220	6.3	28
FC-05-17	39416	147.87	149.02	1.15	83	377	1070	2.3	< 5
FC-05-17	34345	148.54	151.59	3.05	486	1980	3940	4.2	< 2
FC-05-17	39417	149.02	150.02	1.00	163	603	959	2.6	< 5
FC-05-17	39418	150.02	151.02	1.00	321	1760	3730	3.2	< 5
FC-05-17	34346	151.59	153.72	2.13	268	800	1570	2.2	< 2
FC-05-17	39419	153.23	154.23	1.00	647	1130	5940	5.6	< 5

2005 - 2006 Frank Drill Results					**Cu**	**Pb**	**Zn**	**Ag**	**Au**
					ppm	**ppm**	**ppm**	**ppm**	**ppb**
					1	**5**	**1**	**0.3**	**2**
					TD-ICP	**TD-ICP**	**TD-ICP**	**TD-ICP**	**INAA**
FC-05-17	39420	154.23	155.29	1.06	290	550	827	3.1	< 5
FC-05-17	39421	155.29	156.12	0.83	3110	402	2650	8.9	22
FC-05-17	39422	156.12	157.62	1.50	1300	150	1110	3.2	9
FC-05-17	39423	157.62	158.20	0.58	2080	502	833	5.5	16
FC-05-17	39424	158.20	159.46	1.26	1100	270	512	3.1	13
FC-05-17	34347	159.21	162.26	3.05	28	156	385	0.3	< 2
FC-05-17	34348	162.26	165.31	3.05	24	72	97	< 0.3	< 2
FC-05-17	34349	165.31	168.67	3.36	29	56	86	< 0.3	< 2
FC-05-17	34350	168.67	171.72	3.05	60	74	147	< 0.3	< 2
FC-05-17	34351	171.72	174.77	3.05	80	226	609	< 0.3	5
FC-05-17	39425	173.35	173.82	0.47	261	4160	11400	10.5	13
FC-05-17	39426	173.82	174.26	0.44	72	806	1860	2.2	< 5
FC-05-17	39427	173.82	174.26	0.44	125	1180	2670	0.5	< 5
FC-05-17	34352	174.77	177.82	3.05	594	228	762	1.5	13
FC-05-17	34353	177.82	180.87	3.05	110	128	321	< 0.3	< 2
FC-05-17	34354	180.87	182.39	1.52	724	735	1570	3.3	< 2
FC-05-17	34355	182.39	183.61	1.22	412	134	233	0.8	< 2
FC-05-17	34356	183.61	186.05	2.44	107	16	155	< 0.3	2
FC-05-17	39452	183.77	184.20	0.43	72	37	1690	3.5	<5
FC-05-17	39453	184.20	184.66	0.46	1280	35	177	2.1	2.1
FC-05-17	34357	186.05	189.10	3.05	312	24	208	< 0.3	< 2
FC-05-17	34358	189.10	192.15	3.05	69	45	258	< 0.3	< 2
FC-05-17	34359	192.15	193.07	0.92	316	89	321	< 0.3	9
FC-05-17	34360	193.07	195.51	2.44	75	27	99	< 0.3	< 2
FC-05-17	34361	195.51	197.18	1.67	64	59	2310	< 0.3	< 2
FC-05-17	34362	197.18	198.86	1.68	17	40	383	< 0.3	< 2
FC-05-17	39428	198.47	199.37	0.90	4880	247	2950	6.5	20
FC-05-17	39429	199.37	199.94	0.57	1480	72	367	0.6	9
FC-05-17	34363	199.93	202.67	2.74	131	27	284	< 0.3	< 2
FC-05-17	39430	202.15	202.30	0.15	9150	239	794	11.1	93
FC-05-17	39431	202.30	203.30	1.00	1030	71	303	< 0.3	< 5
FC-05-17	34364	203.94	205.88	1.94	624	145	472	< 0.3	< 2
FC-05-17	39432	205.97	206.17	0.20	7930	35	729	10.2	172
FC-05-17	34365	206.18	209.54	3.36	329	86	329	0.6	< 2
FC-05-17	39433	207.88	208.12	0.24	7480	4480	9550	22.5	489
FC-05-17	39434	208.12	209.45	1.33	1760	115	428	1.8	30
FC-05-17	34366	209.54	212.59	3.05	102	19	301	< 0.3	< 2
FC-05-17	34367	212.59	214.42	1.83	46	29	153	< 0.3	< 2
FC-05-17	34368	214.42	215.64	1.22	12	14	112	< 0.3	< 2
FC-05-17	34369	215.64	218.69	3.05	11	30	69	< 0.3	< 2
FC-05-17	34370	218.69	221.74	3.05	9	11	53	< 0.3	< 2
FC-05-17	34371	221.74	224.79	3.05	26	32	132	< 0.3	< 2
FC-05-17	39435	222.65	222.82	0.17	111	37	65	< 0.3	< 5
FC-05-17	34372	224.79	226.31	1.52	16	61	217	< 0.3	< 2
FC-05-17	34373	226.31	228.75	2.44	53	26	190	< 0.3	< 2
FC-05-17	39436	228.71	229.07	0.36	61	12	197	< 0.3	< 5
FC-05-17	39437	229.07	229.22	0.15	295	1600	8270	21.9	27
FC-05-17	39438	229.22	229.93	0.71	333	291	1720	1.7	< 5

2005 - 2006 Frank Drill Results

					Cu	**Pb**	**Zn**	**Ag**	**Au**
					ppm	**ppm**	**ppm**	**ppm**	**ppb**
					1	**5**	**1**	**0.3**	**2**
					TD-ICP	**TD-ICP**	**TD-ICP**	**TD-ICP**	**INAA**
FC-05-17	39439	229.93	230.14	0.21	82	250	1010	1.4	5
FC-05-17	39440	230.14	231.47	1.33	47	59	187	< 0.3	< 5
FC-05-17	39441	231.47	231.62	0.15	2190	313	913	2.9	8
FC-05-17	39442	231.62	231.95	0.33	72	37	1690	3.5	<5
FC-05-17	39443	231.95	233.15	1.20	213	61	435	<0.3	<5
FC-05-17	39444	233.15	234.35	1.20	60	8400	1550	8.2	6
FC-05-17	39445	234.35	235.55	1.20	1230	68	1490	< 0.3	17
FC-05-17	34374	235.46	239.12	3.66	82	38	143	< 0.3	< 2
FC-05-17	34375	239.12	242.12	3.00	85	31	142	< 0.3	< 2
FC-05-17	20801	242.12	243.70	1.58	99	150	393	0.7	< 2
FC-05-17	39447	242.70	242.85	0.15	199	7	141	<0.3	< 5
FC-05-17	39446	242.70	242.85	0.15	82	1470	8260	0.7	< 5
FC-05-17	20802	243.70	245.83	2.13	80	87	185	< 0.3	< 2
FC-05-17	39448	243.95	244.10	0.15	184	322	450	<0.3	6
FC-05-17	39449	244.60	244.75	0.15	60	8400	1550	8.2	6
FC-05-17	20803	245.83	246.75	0.92	53	13	91	< 0.3	< 2
FC-05-17	20804	246.75	249.80	3.05	22	22	53	< 0.3	< 2
FC-05-17	20805	249.80	252.85	3.05	41	19	74	< 0.3	< 2
FC-05-17	20806	252.85	256.51	3.66	61	180	61	< 0.3	7
FC-05-17	20807	256.51	258.64	2.13	36	18	54	< 0.3	< 2
FC-05-17	20808	258.64	261.69	3.05	103	64	142	< 0.3	< 2
FC-05-17	20809	261.69	264.74	3.05	31	13	104	< 0.3	< 2
FC-05-17	20810	264.74	267.49	2.75	69	20	136	< 0.3	< 2
FC-05-17	39450	266.26	266.56	0.30	1230	68	1490	<0.3	17
FC-05-17	20811	267.49	270.54	3.05	86	82	178	< 0.3	< 2
FC-05-17	20812	270.54	272.06	1.52	57	22	74	< 0.3	< 2
FC-05-17	20813	272.06	274.50	2.44	18	23	73	< 0.3	< 2
FC-05-17	20814	274.50	277.55	3.05	29	22	63	< 0.3	3
FC-05-17	20815	277.55	278.47	0.92	37	17	85	< 0.3	< 2
FC-05-17	20816	278.47	281.82	3.35	52	28	106	< 0.3	7
FC-05-17	20817	281.82	284.87	3.05	18	16	47	< 0.3	< 2
FC-05-17	20818	284.87	287.92	3.05	28	21	89	< 0.3	< 2
FC-05-17	20819	287.92	290.97	3.05	23	26	75	< 0.3	< 2
FC-05-17	20820	290.97	294.02	3.05	20	19	69	< 0.3	18
FC-05-17	20821	294.02	297.38	3.36	26	27	102	< 0.3	< 2
FC-05-17	20822	297.38	300.43	3.05	14	18	51	< 0.3	< 2
FC-05-17	20823	300.43	301.04	0.61	12	14	19	< 0.3	3
FC-05-17	20824	301.04	304.08	3.04	25	26	85	< 0.3	< 2
FC-05-17	20825	304.08	307.14	3.06	37	26	109	< 0.3	< 2
FC-05-17	20826	307.14	308.05	0.91	28	19	93	< 0.3	< 2
FC-05-17	20827	308.05	311.10	3.05	29	36	85	< 0.3	< 2
FC-05-17	20828	311.10	314.15	3.05	31	21	79	< 0.3	4
FC-05-17	20829	314.15	317.51	3.36	24	17	75	< 0.3	< 2
FC-05-17	20830	317.51	320.56	3.05	34	23	77	< 0.3	3
FC-05-17	20831	320.56	322.39	1.83	49	28	98	< 0.3	4
FC-05-17	20832	322.39	325.44	3.05	26	46	72	< 0.3	< 2
FC-05-17	20833	325.44	328.49	3.05	41	18	95	< 0.3	< 2
FC-05-17	20834	328.49	331.54	3.05	57	49	90	< 0.3	< 2

2005 - 2006 Frank Drill Results

					Cu	Pb	Zn	Ag	Au
					ppm	ppm	ppm	ppm	ppb
					1	5	1	0.3	2
					TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA
FC-05-17	20835	331.54	334.59	3.05	27	14	64	< 0.3	< 2
FC-05-17	20836	334.59	336.72	2.13	24	16	71	< 0.3	< 2
FC-05-17	20837	336.72	339.77	3.05	27	16	88	< 0.3	2
FC-05-17	20838	339.77	341.14	1.37	64	21	101	< 0.3	< 2
FC-05-17	20839	341.14	344.19	3.05	39	70	246	< 0.3	< 2
FC-05-17	20840	344.19	347.24	3.05	33	108	204	< 0.3	< 2
FC-05-17	20841	347.24	348.92	1.68	25	43	87	< 0.3	< 2
FC-05-17	39451	347.35	347.50	0.15	82	1470	8260	0.7	< 5
FC-05-17	20842	348.92	352.58	3.66	42	74	108	< 0.3	< 2
FC-05-17	20843	352.58	355.94	3.36	35	16	76	< 0.3	< 2
FC-06-18	20844	27.15	29.28	2.13	85	80	94	1.5	18
FC-06-18	20845	29.28	32.94	3.66	35	23	60	0.6	< 2
FC-06-18	20846	32.94	35.08	2.14	47	17	94	0.4	< 2
FC-06-18	20847	35.08	39.35	4.27	19	16	54	0.4	< 2
FC-06-18	20848	39.35	47.89	8.54	29	23	100	0.3	< 2
FC-06-18	20849	47.89	50.94	3.05	35	26	102	0.6	< 2
FC-06-18	20850	50.94	53.99	3.05	24	22	79	0.4	5
FC-06-18	20851	79.30	82.35	3.05	14	75	189	0.8	8
FC-06-18	20852	82.35	83.57	1.22	14	21	83	0.7	< 2
FC-06-18	20853	83.57	86.62	3.05	32	32	270	0.7	< 2
FC-06-18	20854	86.62	89.67	3.05	33	28	179	0.7	< 2
FC-06-18	20855	89.67	92.72	3.05	47	24	186	0.5	4
FC-06-18	20856	92.72	95.77	3.05	41	30	176	0.5	9
FC-06-18	20857	95.77	99.43	3.66	44	33	204	0.7	14
FC-06-18	20858	99.43	102.48	3.05	40	28	101	0.3	< 2
FC-06-18	20859	102.48	103.70	1.22	20	23	65	0.8	< 2
FC-06-18	20860	103.70	106.14	2.44	13	9	25	0.4	< 2
FC-06-18	20861	106.14	107.36	1.22	11	31	71	< 0.3	< 2
FC-06-18	20862	107.36	111.17	3.81	27	21	75	0.4	10
FC-06-18	20863	111.17	113.77	2.60	62	20	95	< 0.3	< 2
FC-06-18	20864	125.05	128.10	3.05	25	14	66	< 0.3	< 2
FC-06-18	20865	128.10	131.15	3.05	45	19	66	< 0.3	< 2
FC-06-18	20866	131.15	132.98	1.83	24	31	86	0.4	< 2
FC-06-18	20867	132.98	136.03	3.05	32	26	86	< 0.3	< 2
FC-06-18	20868	136.03	139.08	3.05	29	33	82	0.3	< 2
FC-06-18	20869	139.08	141.22	2.14	26	26	76	< 0.3	< 2
FC-06-18	20870	141.22	144.27	3.05	35	37	183	< 0.3	2
FC-06-18	20871	144.27	147.32	3.05	28	21	54	0.3	< 2
FC-06-18	20872	147.32	150.37	3.05	30	32	64	0.4	< 2
FC-06-18	20873	150.37	153.42	3.05	22	25	71	0.4	< 2
FC-06-18	20874	153.42	156.47	3.05	25	19	75	0.4	< 2
FC-06-18	20875	156.47	159.52	3.05	27	27	66	< 0.3	< 2
FC-06-18	20876	159.52	162.57	3.05	27	23	65	0.3	< 2
FC-06-18	20877	162.57	165.62	3.05	18	29	86	< 0.3	< 2
FC-06-18	20878	165.62	166.84	1.22	21	21	40	< 0.3	< 2
FC-06-18	20879	166.84	169.89	3.05	15	29	36	< 0.3	3
FC-06-18	20880	169.89	172.33	2.44	19	22	39	< 0.3	< 2

2005 - 2006 Frank Drill Results

					Cu ppm 1 TD-ICP	**Pb ppm 5 TD-ICP**	**Zn ppm 1 TD-ICP**	**Ag ppm 0.3 TD-ICP**	**Au ppb 2 INAA**
FC-06-18	20881	172.33	175.38	3.05	28	24	29	< 0.3	< 2
FC-06-18	20882	175.38	176.90	1.52	10	23	16	< 0.3	4
FC-06-18	20883	176.90	179.65	2.75	22	30	33	< 0.3	< 2
FC-06-18	20884	179.65	182.70	3.05	56	39	96	0.9	8
FC-06-18	20885	182.70	184.53	1.83	40	82	115	0.5	< 2
FC-06-18	20886	184.53	187.58	3.05	34	23	96	0.6	12
FC-06-18	20887	187.58	188.19	0.61	37	35	112	0.8	< 2
FC-06-18	20887A	188.19	188.89	0.70	114	1590	789	1.4	<2
FC-06-18	20888	188.89	189.03	0.14	1680	> 5000	>10000	25.8	32
FC-06-18	20888A	189.03	189.75	0.72	103	398	541	0.7	<2
FC-06-18	20888B	189.75	190.40	0.65	847	>5000	>10000	11.8	21
FC-06-18	20889	190.40	193.68	3.28	55	67	149	0.4	< 2
FC-06-18	20890	193.68	197.03	3.35	20	31	93	< 0.3	< 2
FC-06-18	20891	197.03	200.08	3.05	95	19	167	< 0.3	< 2
FC-06-18	20892	227.53	230.58	3.05	96	27	76	0.6	< 2
FC-06-18	20893	230.58	232.11	1.53	29	16	89	0.5	8
FC-06-18	20894	232.11	235.16	3.05	224	15	71	0.6	5
FC-06-18	20895	235.16	237.29	2.13	12	11	37	0.4	< 2
FC-06-18	20896	237.29	239.12	1.83	766	271	614	2.4	18
FC-06-18	20897	239.12	240.34	1.22	11	7	58	0.4	< 2
FC-06-18	20898	265.05	266.57	1.52	107	35	279	0.5	5
FC-06-18	20899	266.57	268.10	1.53	53	64	171	0.5	< 2
FC-06-18	20900	298.29	300.43	2.14	32	16	76	< 0.3	< 2
FC-06-18	20951	300.43	301.95	1.52	24	37	49	< 0.3	< 2
FC-06-18	20952	306.22	308.36	2.14	32	18	71	< 0.3	< 2
FC-06-18	20953	365.70	369.05	3.35	51	18	58	< 0.3	< 2
FC-06-18	20954	369.05	369.97	0.92	24	18	101	0.4	< 2
FC-06-18	20955	369.97	370.88	0.91	53	15	78	0.8	< 2
FC-06-18	20956	370.88	372.71	1.83	81	37	123	0.6	< 2
FC-06-18	20957	372.71	375.15	2.44	25	22	60	0.8	< 2
FC-06-18	20958	375.15	377.90	2.75	44	27	78	0.6	3
FC-06-18	20959	383.08	386.13	3.05	69	15	82	0.3	< 2
FC-06-18	20960	386.13	387.96	1.83	35	28	90	< 0.3	< 2
FC-06-18	20961	387.96	388.88	0.92	39	28	95	0.9	< 2
FC-06-18	20962	388.88	391.01	2.13	24	19	99	0.6	< 2
FC-06-18	20963	391.01	394.37	3.36	30	23	90	0.7	< 2
FC-06-18	20964	403.67	405.65	1.98	29	16	100	0.5	< 2
FC-06-18	20965	405.65	406.87	1.22	36	23	114	0.9	< 2
FC-06-18	20966	406.87	407.79	0.92	22	16	112	0.5	< 2
FC-06-18	20967	407.79	409.31	1.52	41	21	69	1	< 2
FC-06-18	20968	409.31	413.28	3.97	31	20	83	0.6	< 2
FC-06-18	20969	434.63	437.68	3.05	33	29	120	0.5	< 2
FC-06-18	20970	437.68	440.72	3.04	31	27	113	0.4	< 2
FC-06-18	20971	440.72	441.95	1.23	44	32	118	0.6	< 2
FC-06-18	20972	443.17	445.30	2.13	38	34	92	0.6	< 2
FC-06-18	20973	445.30	447.44	2.14	41	27	67	0.6	< 2
FC-06-18	20974	447.44	449.88	2.44	41	21	45	< 0.3	< 2
FC-06-18	20975	449.88	451.40	1.52	22	28	63	0.4	< 2

2005 - 2006 Frank Drill Results					Cu	Pb	Zn	Ag	Au
					ppm	ppm	ppm	ppm	ppb
					1	5	1	0.3	2
					TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA
FC-06-18	20976	451.40	454.45	3.05	24	57	68	0.7	< 2
FC-06-18	20977	454.45	455.98	1.53	31	40	82	< 0.3	< 2
FC-06-18	20978	455.98	459.03	3.05	11	17	33	0.6	< 2
FC-06-18	20979	459.03	460.86	1.83	10	26	33	0.4	< 2
FC-06-18	20980	460.86	463.91	3.05	24	19	84	0.5	< 2
FC-06-18	20981	463.91	466.04	2.13	32	19	71	< 0.3	< 2
FC-06-18	20982	466.04	467.87	1.83	27	20	64	0.4	< 2
FC-06-18	20983	479.77	481.60	1.83	35	58	109	< 0.3	< 2
FC-06-18	20984	481.60	483.88	2.28	4	< 5	16	< 0.3	7
FC-06-18	20985	488.61	491.05	2.44	57	18	85	0.5	< 2
FC-06-19	20986	7.32	9.15	1.83	81	14	73	< 0.3	< 2
FC-06-19	20987	10.68	11.13	0.45	7	> 5000	5540	11.6	302
FC-06-19	20988	13.42	16.47	3.05	53	29	109	< 0.3	< 2
FC-06-19	20989	52.16	53.68	1.52	17	19	61	< 0.3	< 2
FC-06-19	20990	66.49	69.54	3.05	85	12	111	< 0.3	< 2
FC-06-19	20991	73.81	74.42	0.60	1	7	10	< 0.3	14
FC-06-19	20992	84.18	87.23	3.05	32	206	95	0.7	< 2
FC-06-19	20993	87.23	90.28	3.05	11	93	81	< 0.3	< 2
FC-06-19	20994	90.28	93.33	3.05	32	19	100	< 0.3	17
FC-06-19	20995	93.33	95.92	2.59	41	23	127	< 0.3	< 2
FC-06-19	20996	95.92	98.97	3.05	21	61	64	< 0.3	< 2
FC-06-19	20997	98.97	102.02	3.05	31	23	72	< 0.3	< 2
FC-06-19	20998	102.02	103.09	1.07	23	51	134	< 0.3	< 2
FC-06-19	20999	103.09	106.14	3.05	74	9	167	< 0.3	< 2
FC-06-19	21000	106.14	107.67	1.53	22	28	131	0.4	3
FC-06-19	34226	107.67	110.72	3.05	61	17	99	0.4	< 2
FC-06-19	34227	110.72	113.16	2.44	84	69	130	0.6	< 2
FC-06-19	34228	113.16	116.21	3.05	34	68	173	0.7	< 2
FC-06-19	34229	116.21	119.26	3.05	67	28	112	< 0.3	< 2
FC-06-19	34230	119.26	122.31	3.05	48	33	106	0.5	3
FC-06-19	34231	122.31	124.44	2.13	50	24	132	< 0.3	< 2
FC-06-19	34232	124.44	127.95	3.51	32	22	127	0.4	< 2
FC-06-19	34233	127.95	130.54	2.58	70	352	277	0.8	< 2
FC-06-19	34234	130.54	132.68	2.14	37	172	224	0.8	< 2
FC-06-19	34235	132.68	134.05	1.37	30	190	227	0.9	< 2
FC-06-19	34236	134.05	137.25	3.19	49	81	150	0.4	< 2
FC-06-19	34237	137.25	139.08	1.83	21	690	1170	2.6	< 2
FC-06-19	34238	139.08	141.67	2.58	18	138	186	0.4	< 2
FC-06-19	34239	141.67	142.89	1.22	304	314	614	1.5	< 2
FC-06-19	34240	142.89	143.20	0.31	189	359	835	3.1	< 2
FC-06-19	34241	143.20	143.50	0.30	309	> 5000	5260	17.2	22
FC-06-19	34242	143.50	145.79	2.28	211	236	673	2	< 2
FC-06-19	34243	145.79	148.84	3.05	174	519	687	2	< 2
FC-06-19	34244	148.84	150.37	1.53	279	949	419	6.5	< 2
FC-06-19	34245	150.37	153.42	3.04	53	113	296	0.6	60
FC-06-19	34246	153.42	156.47	3.05	42	23	80	0.5	18
FC-06-19	34247	156.47	159.52	3.05	33	30	84	0.5	14

2005 - 2006 Frank Drill Results					Cu	Pb	Zn	Ag	Au
					ppm	ppm	ppm	ppm	ppb
					1	5	1	0.3	2
					TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA
FC-06-19	34248	159.52	161.65	2.13	40	65	105	0.4	< 2
FC-06-19	34249	161.65	163.79	2.13	151	50	334	0.7	< 2
FC-06-19	34250	163.79	164.40	0.61	5120	292	701	8.9	67
FC-06-19	39151	164.40	165.62	1.22	241	34	136	0.5	8
FC-06-19	39152	165.62	166.68	1.06	105	76	128	0.9	< 2
FC-06-19	39153	166.68	167.29	0.60	70	73	116	0.5	< 2
FC-06-19	39154	167.29	168.06	0.77	1020	1110	2100	7.6	7
FC-06-19	39155	168.06	171.11	3.05	269	130	249	1.4	< 2
FC-06-19	39156	171.11	172.33	1.22	268	158	219	0.9	< 2
FC-06-19	39157	172.33	175.38	3.04	23	40	101	< 0.3	< 2
FC-06-19	39158	177.21	179.04	1.82	528	418	151	1.7	10
FC-06-19	39159	183.46	183.61	0.15		> 5000	1100	28.1	129
FC-06-19	39160	186.97	187.42	0.44	422	73	634	0.7	< 2
FC-06-19	39161	188.80	192.00	3.19	955	216	711	2.2	10
FC-06-19	39162	192.00	195.05	3.05	43	13	103	0.4	< 2
FC-06-19	39163	195.05	195.81	0.75	22	11	92	0.4	< 2
FC-06-19	39164	195.81	198.86	3.05	15	8	78	< 0.3	< 2
FC-06-19	39165	198.86	201.91	3.04	11	12	77	< 0.3	< 2
FC-06-19	39166	201.91	203.44	1.53	7	12	95	< 0.3	< 2
FC-06-19	39167	203.44	206.49	3.05	26	81	143	0.4	< 2
FC-06-19	39168	206.49	209.54	3.04	5	15	94	< 0.3	< 2
FC-06-19	39169	218.69	221.74	3.05	83	16	153	< 0.3	< 2
FC-06-19	39170	221.74	224.79	3.04	15	8	89	< 0.3	< 2
FC-06-19	39171	224.79	227.68	2.89	11	54	99	< 0.3	< 2
FC-06-19	39172	227.68	229.06	1.38	577	243	485	0.7	68
FC-06-19	39173	229.06	229.97	0.90	95	30	207	< 0.3	< 2
FC-06-19	39174	229.97	232.11	2.14	42	25	92	< 0.3	< 2
FC-06-19	39175	234.24	237.29	3.04	56	24	106	< 0.3	12
FC-06-19	39176	237.29	240.34	3.05	62	13	110	0.5	11
FC-06-19	39177	240.34	242.78	2.44	57	22	104	< 0.3	< 2
FC-06-19	39178	245.22	248.27	3.05	24	30	59	0.3	4
FC-06-19	39179	248.27	250.71	2.44	18	< 5	56	< 0.3	< 2
FC-06-19	39180	250.71	253.76	3.04	63	5	92	< 0.3	< 2
FC-06-19	39181	253.76	254.98	1.22	75	9	96	0.4	< 2
FC-06-19	39182	254.98	255.59	0.61	44	18	98	< 0.3	< 2
FC-06-19	39183	255.59	257.73	2.14	30	19	57	< 0.3	< 2
FC-06-19	39184	257.73	259.56	1.82	20	20	63	< 0.3	< 2
FC-06-19	39185	279.08	280.60	1.52	61	57	81	< 0.3	< 2
FC-06-19	39186	280.60	282.43	1.82	38	34	120	0.3	< 2
FC-06-19	39187	282.43	286.09	3.65	60	17	88	< 0.3	< 2
FC-06-19	39188	286.09	287.92	1.83	45	23	79	< 0.3	< 2
FC-06-19	39189	287.92	289.75	1.82	34	26	65	< 0.3	< 2
FC-06-19	39190	296.77	297.68	0.91	60	19	117	< 0.3	< 2
FC-06-19	39191	316.13	316.90	0.76	39	22	102	< 0.3	< 2
FC-06-19	39192	344.35	346.18	1.82	64	52	98	< 0.3	8
FC-06-19	39193	374.69	375.15	0.45	643	224	3100	2	12
FC-06-20	187201	5.19	10.37	5.18	16	31	121	< 0.3	< 2

2005 - 2006 Frank Drill Results					**Cu**	**Pb**	**Zn**	**Ag**	**Au**
					ppm	**ppm**	**ppm**	**ppm**	**ppb**
					1	**5**	**1**	**0.3**	**2**
					TD-ICP	**TD-ICP**	**TD-ICP**	**TD-ICP**	**INAA**
FC-06-20	187202	10.37	12.20	1.83	43	41	149	< 0.3	< 2
FC-06-20	187203	12.20	14.03	1.83	26	63	184	< 0.3	2
FC-06-20	187204	14.03	16.78	2.75	11	69	200	< 0.3	< 2
FC-06-20	187205	16.78	19.83	3.05	52	23	467	< 0.3	< 2
FC-06-20	187206	19.83	23.79	3.96	50	17	356	< 0.3	< 2
FC-06-20	187207	23.79	30.50	6.71	52	21	179	1.1	4
FC-06-20	187208	32.03	35.08	3.05	27	18	190	< 0.3	< 2
FC-06-20	187209	35.08	38.13	3.05	39	16	150	< 0.3	8
FC-06-20	187210	38.13	41.18	3.05	32	19	142	< 0.3	8
FC-06-20	187211	41.18	44.23	3.05	27	20	168	< 0.3	10
FC-06-20	187212	44.23	47.28	3.05	22	21	160	< 0.3	< 2
FC-06-20	187213	47.28	50.33	3.05	24	31	171	< 0.3	8
FC-06-20	187214	50.33	53.38	3.05	24	18	156	< 0.3	< 2
FC-06-20	187215	53.38	56.43	3.05	30	23	185	< 0.3	< 2
FC-06-20	187216	56.43	59.48	3.05	44	20	151	< 0.3	6
FC-06-20	187217	59.48	62.53	3.05	36	49	152	< 0.3	< 2
FC-06-20	187218	62.53	65.58	3.05	34	20	193	< 0.3	9
FC-06-20	187219	65.58	68.63	3.05	19	16	164	< 0.3	< 2
FC-06-20	187220	68.63	71.68	3.05	38	130	351	0.9	< 2
FC-06-20	187221	71.68	74.73	3.05	30	28	171	< 0.3	< 2
FC-06-20	187222	74.73	77.78	3.05	29	23	133	< 0.3	< 2
FC-06-20	187223	77.78	80.83	3.05	51	24	229	< 0.3	9
FC-06-20	187224	80.83	83.27	2.44	35	28	170	< 0.3	< 2
FC-06-20	187225	83.27	86.93	3.66	40	47	203	< 0.3	< 2
FC-06-20	187226	86.93	89.67	2.74	42	41	168	< 0.3	7
FC-06-20	187227	89.67	91.50	1.83	22	11	76	< 0.3	< 2
FC-06-20	187228	91.50	94.55	3.05	31	< 5	91	< 0.3	< 2
FC-06-20	187229	94.55	96.38	1.83	43	17	173	< 0.3	< 2
FC-06-20	187230	96.38	99.43	3.05	25	8	99	< 0.3	< 2
FC-06-20	187231	99.43	102.48	3.05	20	15	84	< 0.3	< 2
FC-06-20	187232	102.48	105.53	3.05	22	13	65	< 0.3	< 2
FC-06-20	187233	105.53	107.36	1.83	11	27	65	< 0.3	< 2
FC-06-20	187234	107.36	110.41	3.05	10	29	51	< 0.3	< 2
FC-06-20	187235	110.41	113.46	3.05	30	86	204	< 0.3	< 2
FC-06-20	187236	113.46	116.51	3.05	17	46	131	< 0.3	< 2
FC-06-20	187237	116.51	119.56	3.05	25	29	65	< 0.3	< 2
FC-06-20	187238	119.56	125.05	5.49	33	14	67	< 0.3	< 2
FC-06-20	187239	125.05	129.63	4.58	24	7	35	< 0.3	< 2
FC-06-20	187240	129.63	133.29	3.66	49	17	61	< 0.3	< 2
FC-06-20	187241	133.29	136.34	3.05	85	11	79	< 0.3	< 2
FC-06-20	187242	136.34	137.86	1.52	45	11	53	< 0.3	< 2
FC-06-20	187243	137.86	141.52	3.66	49	21	99	< 0.3	< 2
FC-06-20	187244	141.52	145.03	3.51	33	30	81	< 0.3	< 2
FC-06-20	187245	145.03	146.40	1.37	61	20	104	< 0.3	< 2
FC-06-20	187246	146.40	149.45	3.05	25	26	85	< 0.3	< 2
FC-06-20	187247	149.45	152.50	3.05	12	18	61	< 0.3	< 2
FC-06-20	187248	152.50	153.72	1.22	54	35	109	< 0.3	< 2
FC-06-20	187249	153.72	156.77	3.05	31	31	81	< 0.3	< 2

2005 - 2006 Frank Drill Results

					Cu	Pb	Zn	Ag	Au
					ppm	ppm	ppm	ppm	ppb
					1	5	1	0.3	2
					TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA
FC-06-20	187250	156.77	159.82	3.05	19	26	59	< 0.3	< 2
FC-06-20	187251	159.82	163.18	3.36	26	23	74	< 0.3	< 2
FC-06-20	187252	163.18	165.31	2.13	12	15	45	< 0.3	< 2
FC-06-20	187253	165.31	168.36	3.05	79	32	100	< 0.3	< 2
FC-06-20	187254	168.36	171.41	3.05	48	32	93	< 0.3	< 2
FC-06-20	187255	171.41	175.07	3.66	12	22	56	< 0.3	< 2
FC-06-20	187256	175.07	178.12	3.05	30	23	80	< 0.3	< 2
FC-06-20	187257	178.12	181.48	3.36	65	46	113	1	13
FC-06-20	187258	181.48	184.53	3.05	19	26	29	< 0.3	< 2
FC-06-20	187259	184.53	185.44	0.91	23	172	72	< 0.3	8
FC-06-20	187260	185.44	186.05	0.61	193	> 5000		15.3	20
FC-06-20	187261	186.05	189.10	3.05	41	64	125	0.6	< 2
FC-06-20	187262	189.10	190.02	0.92	56	78	89	0.6	5
FC-06-20	187263	190.02	190.63	0.61	31	11	65	< 0.3	7
FC-06-20	187264	190.63	192.15	1.52	33	13	67	< 0.3	6
FC-06-20	187265	192.15	195.20	3.05	16	176	257	< 0.3	< 2
FC-06-20	187266	195.20	197.34	2.14	32	84	216	< 0.3	< 2
FC-06-20	187267	197.34	200.39	3.05	31	20	55	< 0.3	7
FC-06-20	187268	200.39	203.44	3.05	19	37	43	< 0.3	< 2
FC-06-20	187269	203.44	204.35	0.91	64	17	71	< 0.3	< 2
FC-06-20	187270	204.35	207.40	3.05	27	25	69	< 0.3	2
FC-06-20	187271	207.40	210.45	3.05	25	16	57	< 0.3	< 2
FC-06-20	187272	210.45	213.50	3.05	33	33	84	< 0.3	< 2
FC-06-20	187273	213.50	215.94	2.44	28	14	60	< 0.3	< 2
FC-06-20	187274	215.94	218.99	3.05	17	26	71	< 0.3	2
FC-06-20	187275	218.99	222.04	3.05	26	18	88	< 0.3	< 2
FC-06-20	187276	222.04	224.48	2.44		< 5		< 0.3	< 2
FC-06-20	187277	224.48	225.70	1.22	23	21	95	< 0.3	< 2
FC-06-20	187278	225.70	228.75	3.05	26	14	23	< 0.3	< 2
FC-06-20	187279	228.75	231.80	3.05	12	58	301	< 0.3	< 2
FC-06-20	187280	231.80	234.85	3.05	5	74	16	< 0.3	< 2
FC-06-20	187281	234.85	236.38	1.53	201	14	51	< 0.3	< 2
FC-06-21	39194	10.37	12.20	1.83	27	44	66	0.3	< 2
FC-06-21	39195	14.34	15.86	1.52	7	22	20	< 0.3	< 2
FC-06-21	39196	31.11	32.64	1.53	30	38	85	0.4	9
FC-06-21	39197	32.64	33.55	0.91	24	81	56	0.4	< 2
FC-06-21	39198	33.55	34.01	0.46	10	20	33	< 0.3	< 2
FC-06-21	39199	34.01	37.06	3.05	31	26	83	< 0.3	4
FC-06-21	39200	37.06	39.50	2.44	42	28	102	< 0.3	7
FC-06-21	39201	39.50	40.57	1.07	27	31	84	< 0.3	< 2
FC-06-21	39202	40.57	43.62	3.05	19	26	52	0.4	5
FC-06-21	39203	43.62	45.75	2.13	25	19	79	0.4	< 2
FC-06-21	39204	45.75	46.67	0.92	42	36	49	< 0.3	< 2
FC-06-21	39205	46.67	48.50	1.83	23	16	67	< 0.3	< 2
FC-06-21	39206	48.50	51.55	3.05	37	21	85	< 0.3	< 2
FC-06-21	39207	51.55	54.60	3.05	28	20	71	< 0.3	< 2
FC-06-21	39208	54.60	57.95	3.35	28	51	71	< 0.3	< 2

2005 - 2006 Frank Drill Results					Cu	Pb	Zn	Ag	Au
					ppm	**ppm**	**ppm**	**ppm**	**ppb**
					1	**5**	**1**	**0.3**	**2**
					TD-ICP	**TD-ICP**	**TD-ICP**	**TD-ICP**	**INAA**
FC-06-21	39209	57.95	60.09	2.14	21	18	64	0.4	4
FC-06-21	39210	60.09	61.00	0.91	40	27	86	< 0.3	< 2
FC-06-21	39211	61.00	63.75	2.75	55	33	95	< 0.3	5
FC-06-21	39212	63.75	66.80	3.05	46	32	106	< 0.3	< 2
FC-06-21	39213	66.80	68.93	2.13	47	33	120	0.4	4
FC-06-21	39214	74.42	76.25	1.83	29	21	98	0.3	8
FC-06-21	39215	76.25	78.08	1.83	41	28	95	< 0.3	< 2
FC-06-21	39216	78.08	79.00	0.92	29	90	57	< 0.3	< 2
FC-06-21	39217	79.00	79.91	0.91	21	30	53	< 0.3	3
FC-06-21	39218	79.91	82.96	3.05	41	47	105	0.4	6
FC-06-21	39219	82.96	86.01	3.05	44	30	105	< 0.3	< 2
FC-06-21	39220	86.01	88.45	2.44	46	32	92	< 0.3	< 2
FC-06-21	39221	88.45	91.50	3.05	48	45	100	< 0.3	7
FC-06-21	39222	105.84	107.36	1.52	80	26	81	< 0.3	< 2
FC-06-21	39223	107.36	108.58	1.22	25	21	53	0.3	< 2
FC-06-21	39224	108.58	111.63	3.05	27	30	76	< 0.3	< 2
FC-06-21	39225	157.53	158.30	0.77	87	17	83	< 0.3	5
FC-06-21	39226	173.24	173.85	0.61	15	17	78	< 0.3	3
FC-06-21	39227	173.85	175.99	2.14	82	38	99	0.3	< 2
FC-06-21	39228	175.99	176.14	0.15	422	1540	3460	7.1	19
FC-06-21	39229	176.14	176.29	0.15	2530	> 5000		> 100	170
FC-06-21	39230	176.29	176.60	0.31	1130	1300	2250	8.8	7
FC-06-21	39231	176.60	179.04	2.44	36	68	153	0.4	< 2
FC-06-21	39232	179.04	181.02	1.98	253	535	818	3.1	13
FC-06-21	39233	181.02	181.78	0.76	624	1080	1430	6.9	27
FC-06-21	39234	181.78	183.31	1.53	302	439	705	3.1	10
FC-06-21	39235	183.31	185.75	2.44	38	46	115	0.5	< 2
FC-06-21	39236	185.75	187.88	2.13	35	68	113	0.5	< 2
FC-06-21	39237	187.88	190.32	2.44	254	461	764	3.1	13
FC-06-21	39238	190.32	191.08	0.76	71	154	231	0.8	< 2
FC-06-21	39239	191.08	193.98	2.90	70	147	273	0.6	4
FC-06-21	39240	193.98	195.35	1.37	59	62	155	0.7	5
FC-06-21	39241	195.35	198.25	2.90	227	167	332	1.5	7
FC-06-21	39242	198.25	201.30	3.05	69	47	108	0.3	< 2
FC-06-21	39243	201.30	203.28	1.98	43	27	107	< 0.3	< 2
FC-06-21	39244	203.28	205.88	2.60	42	26	89	< 0.3	5
FC-06-21	39245	205.88	207.40	1.52	42	31	102	< 0.3	11
FC-06-21	39246	207.40	210.45	3.05	31	35	86	0.4	7
FC-06-21	39247	210.45	213.35	2.90	45	35	94	< 0.3	6
FC-06-21	39248	213.35	216.55	3.20	50	19	91	< 0.3	< 2
FC-06-21	39249	216.55	219.60	3.05	23	19	76	< 0.3	830
FC-06-21	39250	219.60	221.43	1.83	32	22	116	< 0.3	< 2
FC-06-21	39476	221.43	223.41	1.98	47	20	113	< 0.3	5
FC-06-21	39477	223.41	224.18	0.77	82	28	109	0.3	< 2
FC-06-21	39478	224.18	227.23	3.05	50	68	200	0.5	< 2
FC-06-21	39479	227.23	227.53	0.30	105	69	514	0.5	18
FC-06-21	39480	227.53	228.14	0.61	42	29	126	< 0.3	< 2
FC-06-21	39481	228.14	230.12	1.98	39	206	609	< 0.3	20

2005 - 2006 Frank Drill Results

					Cu	Pb	Zn	Ag	Au
					ppm	**ppm**	**ppm**	**ppm**	**ppb**
					1	**5**	**1**	**0.3**	**2**
					TD-ICP	**TD-ICP**	**TD-ICP**	**TD-ICP**	**INAA**
FC-06-21	39482	230.12	233.33	3.21	26	54	141	0.4	< 2
FC-06-21	39483	233.33	235.77	2.44	25	108	248	0.5	2
FC-06-21	39484	235.77	237.29	1.52	182	814	3130	1.8	7
FC-06-21	39485	237.29	237.90	0.61	56	180	1390	0.7	< 2
FC-06-21	39486	237.90	240.34	2.44	57	232	604	0.6	< 2
FC-06-21	39487	240.34	243.39	3.05	237	1380	3770	4.3	< 2
FC-06-21	39488	243.39	244.61	1.22	92	717	2030	2.1	< 2
FC-06-21	39489	244.61	246.44	1.83	331	497	3110	2.6	7
FC-06-21	39490	246.44	247.36	0.92	683	1420	2530	8.8	< 2
FC-06-21	39491	247.36	250.41	3.05	165	327	1410	2.5	< 2
FC-06-21	39492	250.41	253.46	3.05	184	186	627	1.2	5
FC-06-21	39493	253.46	254.98	1.52	155	43	140	0.7	< 2
FC-06-21	39494	254.98	258.03	3.05	672	28	200	0.7	< 2
FC-06-21	39495	258.03	259.86	1.83	24	7	84	< 0.3	< 2
FC-06-21	39496	259.86	262.91	3.05	67	40	178	< 0.3	< 2
FC-06-21	39497	262.91	265.35	2.44	28	22	167	< 0.3	< 2
FC-06-21	39498	265.35	266.27	0.92	142	28	91	0.7	< 2
FC-06-21	39499	266.27	267.18	0.91	74	8	75	< 0.3	< 2
FC-06-21	39500	267.18	269.77	2.59	46	10	71	< 0.3	8
FC-06-21	39501	269.77	272.82	3.05	50	9	66	< 0.3	< 2
FC-06-21	39502	272.82	275.87	3.05	78	12	70	< 0.3	< 2
FC-06-21	39503	275.87	278.92	3.05	50	11	80	< 0.3	< 2
FC-06-21	39504	278.92	280.30	1.38	40	12	67	< 0.3	< 2
FC-06-21	39505	280.30	283.55	3.25	56	10	69	< 0.3	< 2
FC-06-21	39506	283.55	286.40	2.85	48	9	71	< 0.3	< 2
FC-06-21	39507	286.40	288.23	1.83	46	6	77	< 0.3	4
FC-06-21	39508	288.23	291.12	2.89	42	216	362	0.7	< 2
FC-06-21	39509	291.12	291.73	0.61	77	717	2080	2	8
FC-06-21	39510	291.73	293.11	1.38	34	79	314	0.4	3
FC-06-21	39511	293.11	295.09	1.98	24	18	90	< 0.3	< 2
FC-06-21	39512	295.09	295.24	0.15	943	1130	9090	6.9	29
FC-06-21	39513	295.24	297.07	1.83	29	34	149	0.4	3
FC-06-21	39514	297.07	297.68	0.61	70	538	671	2.8	9
FC-06-21	39515	297.68	298.29	0.61	135	2020	4430	4.2	6
FC-06-21	39516	298.29	301.34	3.05	37	56	197	< 0.3	3
FC-06-21	39517	301.34	302.56	1.22	32	24	119	< 0.3	4
FC-06-21	39518	302.56	305.00	2.44	19	21	65	< 0.3	7
FC-06-21	39519	305.00	307.90	2.90	46	34	209	0.5	4
FC-06-21	39520	307.90	310.49	2.59	51	13	89	< 0.3	< 2
FC-06-21	39521	310.49	312.02	1.53	36	34	197	0.5	10
FC-06-21	39522	312.02	315.07	3.05	50	67	108	1	< 2
FC-06-21	39523	315.07	316.59	1.52	56	26	161	0.4	4
FC-06-21	39524	316.59	318.12	1.53	66	24	109	< 0.3	< 2
FC-06-21	39525	318.12	321.17	3.05	26	36	109	< 0.3	3
FC-06-21	39526	321.17	324.22	3.05	51	20	100	0.3	7
FC-06-21	39527	324.22	325.74	1.52	42	8	80	< 0.3	3
FC-06-21	39528	325.74	326.35	0.61	21	75	61	0.8	< 2
FC-06-21	39529	326.35	329.10	2.75	35	22	70	< 0.3	< 2

2005 - 2006 Frank Drill Results

					Cu ppm 1 TD-ICP	Pb ppm 5 TD-ICP	Zn ppm 1 TD-ICP	Ag ppm 0.3 TD-ICP	Au ppb 2 INAA
FC-06-21	39530	329.10	332.45	3.35	18	15	90	< 0.3	6
FC-06-21	39531	332.45	334.28	1.83	19	38	97	0.3	< 2
FC-06-21	39532	334.28	337.33	3.05	26	20	85	< 0.3	< 2
FC-06-21	39533	337.33	340.38	3.05	49	12	76	< 0.3	9
FC-06-21	39534	340.38	341.60	1.22	74	17	115	0.4	< 2
FC-06-21	39535	341.60	343.74	2.14	50	8	64	0.4	7
FC-06-21	39536	343.74	346.71	2.97	35	8	58	< 0.3	< 2
FC-06-21	39537	346.71	349.84	3.13	51	9	73	< 0.3	< 2
FC-06-21	39538	349.84	352.89	3.05	49	11	68	< 0.3	< 2
FC-06-21	39539	352.89	355.94	3.05	53	11	70	< 0.3	< 2
FC-06-21	39540	355.94	357.16	1.22	33	22	113	< 0.3	2
FC-06-21	39541	357.16	359.90	2.74	71	17	83	< 0.3	< 2
FC-06-21	39542	359.90	362.95	3.05	51	13	84	< 0.3	< 2
FC-06-21	39543	362.95	364.78	1.83	62	9	87	< 0.3	< 2
FC-06-21	39544	364.78	367.83	3.05	57	13	76	< 0.3	< 2
FC-06-21	39545	367.83	370.12	2.29	47	23	94	< 0.3	< 2
FC-06-21	39546	371.49	374.24	2.75	51	33	110	< 0.3	6
FC-06-21	39547	374.24	377.29	3.05	58	34	96	< 0.3	8
FC-06-21	39548	393.60	395.13	1.53	41	31	92	< 0.3	6
FC-06-21	39549	395.13	397.42	2.29	33	18	80	< 0.3	3
FC-06-21	39550	397.42	398.18	0.76	11	12	56	< 0.3	< 2
FC-06-21	39551	398.18	399.55	1.37	24	29	60	0.3	< 2
FC-06-21	39552	399.55	402.30	2.75	11	22	51	< 0.3	< 2
FC-06-21	39553	402.30	405.35	3.05	68	11	107	< 0.3	< 2
FC-06-21	39554	405.35	407.79	2.44	64	9	106	< 0.3	< 2
FC-06-21	39555	407.79	408.70	0.91	56	12	111	< 0.3	< 2
FC-06-21	39556	429.75	432.80	3.05	20	12	70	< 0.3	< 2
FC-06-21	39557	432.80	435.85	3.05	12	13	52	0.4	< 2
FC-06-21	39558	435.85	437.68	1.83	29	33	69	0.3	< 2
FC-06-21	39559	437.68	439.20	1.52	69	21	95	< 0.3	5
FC-06-21	39560	439.20	441.03	1.83	26	18	73	< 0.3	< 2
FC-06-21	39561	441.03	442.25	1.22	27	6	50	< 0.3	3
FC-06-21	39562	442.25	443.47	1.22	70	30	89	< 0.3	< 2
FC-06-21	39563	443.47	445.30	1.83	30	10	86	< 0.3	3
FC-06-21	39564	445.30	448.25	2.95	30	25	174	< 0.3	< 2
FC-06-21	39565	448.25	449.27	1.02	93	10	57	< 0.3	< 2
FC-06-21	39566	449.27	451.10	1.83	42	11	40	< 0.3	2
FC-06-21	39567	451.10	453.23	2.13	53	10	98	0.5	5
FC-06-21	39568	453.23	454.25	1.02	53	34	84	< 0.3	4
FC-06-21	39569	454.25	457.50	3.25	39	17	108	0.4	< 2
FC-06-21	39570	457.50	460.25	2.75	38	36	89	0.4	4
FC-06-21	39571	460.25	463.60	3.35	35	27	83	0.6	6
FC-06-21	39572	463.60	464.67	1.07	9	15	60	< 0.3	< 2
FC-06-21	39573	485.56	488.61	3.05	89	16	105	< 0.3	6
FC-06-21	39574	488.61	491.36	2.75	51	64	171	0.3	< 2
FC-06-21	39575	491.36	493.75	2.39	34	49	258	0.4	4
FC-06-21	39576	493.95	495.63	1.68	72	34	148	< 0.3	< 2
FC-06-21	39577	495.63	497.15	1.52	19	18	75	< 0.3	< 2

2005 - 2006 Frank Drill Results

					Cu ppm 1 TD-ICP	Pb ppm 5 TD-ICP	Zn ppm 1 TD-ICP	Ag ppm 0.3 TD-ICP	Au ppb 2 INAA
FC-06-22	39578	6.10	7.32	1.22	16	20	47	< 0.3	< 2
FC-06-22	39579	7.32	10.68	3.36	11	22	28	< 0.3	< 2
FC-06-22	39580	10.68	11.90	1.22	14	30	34	< 0.3	< 2
FC-06-22	39581	11.90	12.81	0.91	15	25	29	< 0.3	4
FC-06-22	39582	12.81	15.86	3.05	95	29	105	0.3	< 2
FC-06-22	39583	15.86	18.91	3.05	45	25	125	< 0.3	< 2
FC-06-22	39584	40.72	43.01	2.29	47	7	96	0.4	< 2
FC-06-22	39585	43.01	44.23	1.22	65	< 5	60	< 0.3	< 2
FC-06-22	39586	44.23	47.28	3.05	51	< 5	70	< 0.3	< 2
FC-06-22	39587	47.28	50.48	3.20	80	< 5	62	< 0.3	< 2
FC-06-22	39588	50.48	52.92	2.44	65	41	81	< 0.3	< 2
FC-06-22	39589	52.92	54.90	1.98	38	13	105	0.4	< 2
FC-06-22	39590	54.90	57.04	2.14	11	18	45	0.5	< 2
FC-06-22	39591	72.29	74.12	1.83	80	6	76	< 0.3	< 2
FC-06-22	39592	74.12	75.64	1.52	38	39	52	< 0.3	< 2
FC-06-22	39593	89.98	90.89	0.91	3	6	10	< 0.3	< 2
FC-06-22	39594	90.89	92.72	1.83	14	13	36	0.3	4
FC-06-22	39595	92.72	95.01	2.29	24	46	36	0.4	< 2
FC-06-22	39596	95.01	96.84	1.83	20	15	32	< 0.3	< 2
FC-06-22	39597	127.49	129.93	2.44	50	< 5	72	< 0.3	< 2
FC-06-22	39598	157.69	159.52	1.83	9	35	36	0.3	< 2
FC-06-22	39599	159.52	161.19	1.67	38	9	89	< 0.3	< 2
FC-06-22	39600	176.60	179.49	2.89	53	16	106	< 0.3	< 2
FC-06-22	39601	186.05	188.19	2.14	78	266	415	1.2	8
FC-06-22	39602	188.19	190.02	1.83	86	273	856	1.4	17
FC-06-22	39603	190.02	192.46	2.44	74	107	316	0.7	19
FC-06-22	39604	192.46	194.90	2.44	130	209	534	1.3	6
FC-06-22	39605	194.90	196.73	1.83	26	19	86	< 0.3	< 2
FC-06-22	39606	202.22	205.27	3.05	37	24	144	0.5	4
FC-06-22	39607	205.27	208.32	3.05	56	35	137	0.5	< 2
FC-06-22	39608	208.32	209.84	1.52	42	10	76	0.5	< 2
FC-06-22	39609	209.84	211.06	1.22	50	83	166	1	< 2
FC-06-22	39610	211.06	212.28	1.22	55	96	235	0.9	11
FC-06-22	39611	212.28	212.89	0.61	80	184	271	1.7	5
FC-06-22	39612	212.89	215.94	3.05	146	276	494	1.8	7
FC-06-22	39613	215.94	217.16	1.22	32	127	259	< 0.3	5
FC-06-22	39614	217.16	219.30	2.14	63	22	104	< 0.3	7
FC-06-22	39615	219.30	222.35	3.05	69	40	129	0.4	< 2
FC-06-22	39616	222.35	225.40	3.05	103	17	173	< 0.3	< 2
FC-06-22	39617	225.40	226.62	1.22	69	< 5	39	< 0.3	< 2
FC-06-22	39618	226.62	229.06	2.44	83	65	243	0.6	6
FC-06-22	39619	229.06	229.97	0.91	299	31	72	0.7	< 2
FC-06-22	39620	229.97	232.41	2.44	198	44	65	0.8	4
FC-06-22	39621	236.38	238.82	2.44	34	15	136	< 0.3	< 2
FC-06-22	39622	238.82	241.56	2.74	78	15	181	< 0.3	5
FC-06-22	39623	247.05	248.58	1.53	185	29	223	0.8	< 2
FC-06-22	39624	248.58	251.63	3.05	212	38	197	0.7	4
FC-06-22	39625	251.63	254.68	3.05	157	171	538	0.9	< 2

2005 - 2006 Frank Drill Results

					Cu	Pb	Zn	Ag	Au
					ppm	**ppm**	**ppm**	**ppm**	**ppb**
					1	**5**	**1**	**0.3**	**2**
					TD-ICP	**TD-ICP**	**TD-ICP**	**TD-ICP**	**INAA**
FC-06-22	39626	254.68	255.29	0.61	156	201	317	0.8	6
FC-06-22	39627	255.29	258.34	3.05	88	233	439	0.9	3
FC-06-22	39628	262.30	265.35	3.05	38	230	105	1.3	< 2
FC-06-22	39629	265.35	267.18	1.83	36	138	235	0.6	< 2
FC-06-22	39630	267.18	268.40	1.22	398	279	190	1.6	5
FC-06-22	39631	268.40	271.45	3.05	63	164	231	0.8	4
FC-06-22	39632	276.33	279.38	3.05	35	45	315	0.5	< 2
FC-06-22	39633	288.23	291.58	3.35	43	149	165	0.6	< 2
FC-06-22	39634	293.11	295.85	2.74	121	22	177	< 0.3	< 2
FC-06-22	39635	295.85	298.29	2.44	29	26	170	0.4	< 2
FC-06-22	39636	298.29	299.82	1.53	53	9	122	0.5	< 2
FC-06-22	39637	299.82	302.56	2.74	43	16	109	0.3	8
FC-06-22	39638	302.56	305.61	3.05	53	10	78	< 0.3	< 2
FC-06-22	39639	305.61	309.12	3.51	40	10	82	< 0.3	< 2
FC-06-22	39640	315.68	318.73	3.05	47	9	141	0.4	4
FC-06-22	39641	318.73	321.32	2.59	41	5	72	< 0.3	< 2
FC-06-22	39642	321.32	322.39	1.07	88	9	155	< 0.3	4
FC-06-22	39643	322.39	325.44	3.05	113	27	150	0.6	< 2
FC-06-22	39644	325.44	328.49	3.05	53	13	114	< 0.3	4
FC-06-22	39645	328.49	330.62	2.13	27	20	144	< 0.3	< 2
FC-06-22	39646	330.62	334.28	3.66	44	18	110	< 0.3	< 2
FC-06-22	39647	334.28	335.81	1.53	34	19	275	< 0.3	< 2
FC-06-22	39648	338.86	341.91	3.05	52	68	223	0.4	< 2
FC-06-22	39649	365.39	368.44	3.05	62	18	112	< 0.3	< 2
FC-06-22	39650	368.44	371.19	2.75	79	13	134	< 0.3	6
FC-06-22	39651	371.19	374.24	3.05	38	8	103	< 0.3	< 2
FC-06-22	39652	374.24	375.15	0.91	33	8	94	< 0.3	< 2
FC-06-22	39653	382.47	385.52	3.05	61	7	83	< 0.3	< 2
FC-06-22	39654	385.52	388.57	3.05	51	< 5	81	< 0.3	3
FC-06-22	39655	388.57	391.62	3.05	48	< 5	96	< 0.3	3
FC-06-22	39656	391.62	392.84	1.22	28	15	93	< 0.3	< 2
FC-06-22	39657	392.84	395.28	2.44	74	5	101	< 0.3	3
FC-06-22	39658	395.28	398.33	3.05	49	20	102	< 0.3	< 2
FC-06-22	39659	398.33	401.38	3.05	74	60	96	< 0.3	< 2
FC-06-22	39660	401.38	404.43	3.05	72	11	111	< 0.3	< 2
FC-06-22	39661	404.43	407.48	3.05	84	6	103	0.4	4
FC-06-22	39662	407.48	410.53	3.05	35	13	69	< 0.3	6
FC-06-22	39663	410.53	411.45	0.92	35	14	107	< 0.3	3
FC-06-22	39664	411.45	413.28	1.83	51	< 5	118	< 0.3	3
FC-06-22	39665	413.28	415.41	2.13	89	26	84	0.4	10
FC-06-22	39666	415.41	415.87	0.46	3	> 5000	23	12.3	24
FC-06-22	39667	415.87	418.92	3.05	62	42	154	0.5	< 2
FC-06-22	39668	418.92	421.97	3.05	61	32	102	0.4	< 2
FC-06-22	39669	421.97	422.73	0.76	47	12	111	< 0.3	< 2

Quality Analysis ... Actlabs *Innovative Technologies*

Date Submitted:	12/28/2005 1:21:21 PM
Invoice No.:	A05-4577
Invoice Date:	2/17/2006
Your Reference:	

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

ATTN: Louis Doyle

CERTIFICATE OF ANALYSIS

149 Rock samples were submitted for analysis.

The following analytical packages were requested:

Code 1G Hg-Cold Vapour FIMS(HGFIMS)
Code 4B1 Total Digestion ICP (TOTAL)
Code 4LITHO (11+) Major Elements Fusion ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

REPORT **A05-4577**

Notes:
Unaltered silicates and resistate minerals may not be dissolved. Values which exceed upper limit should be assayed.
Values which exceed the upper limit should be assayed for accurate numbers.
We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag.
Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D.
Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information. Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1. Total includes all elements in % oxide to the left of total.

CERTIFIED BY :

C. Douglas Read, B.Sc.
Laboratory Manager

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613
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Final Report
Activation Laboratories

Element:	Hg	Cd	Cu	Ni	Zn	S	Ag	Pb	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI
Units:	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%
Detection Limit:	5	0.5	1	1	1	0.001	0.3	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01
Reference Method:	Hg-FIMS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
Client I.D.																			
A39326	5	< 0.5	57	52	56	1.56	0.4	15	64.79	13.52	5.24	0.088	1.34	2.94	0.29	3.73	0.606	0.17	4.71
A39327	6	< 0.5	55	51	64	1.54	0.5	13	64.33	13.75	5.16	0.086	1.28	2.75	0.28	3.89	0.62	0.13	4.86
A39328	6	< 0.5	17	5	22	0.31	0.5	13	14.89	3.53	3.25	0.14	1.75	40.33	0.19	0.79	0.129	0.07	32.12
A39329	193	2.1	2600	24	1060	18.5	9.5	139	5.62	2.48	33.17	0.145	4.66	14.15	0.05	0.61	0.099	0.05	16.39
A39330	38	0.6	99	12	229	0.703	1	80	24.81	6.92	5.47	0.193	5.44	25.77	0.24	1.68	0.248	0.08	27.22
A39331	1220	21.6	54	24	7640	1.84	5.8	3380	20.78	2.33	5.53	0.211	4.44	36.35	< 0.01	0.44	0.082	0.09	30.35
A39332	22	< 0.5	45	30	155	0.749	0.5	29	48.38	17.98	5.46	0.13	2.72	6.71	0.57	4.62	0.644	0.06	11.86
A39333	10	< 0.5	35	40	87	0.119	0.4	< 5	57.37	17.59	5.57	0.094	1.86	2.83	0.48	4.17	0.58	0.08	8.48
A39334	17	0.8	1560	25	117	0.907	1.9	< 5	30.3	9.68	9.58	0.314	6.96	14.52	0.4	2	0.784	0.15	22.06
A39335	37	1.6	3390	59	397	5.06	5.2	10	23.72	12.91	22.17	0.293	6.08	8.17	0.16	1.08	2.486	0.38	15.21
A39336	31	1.1	1690	49	335	2.92	2.4	< 5	27.06	14.16	22.41	0.292	6.3	6.69	0.24	1	3.377	0.47	13.45
A39337	13	0.5	220	28	193	0.939	0.6	< 5	33.32	17.26	17.07	0.2	5.14	5.59	0.67	1.37	3.737	0.53	12.25
A39338	137	3.4	5390	120	637	7.95	7.8	9	21.31	9.56	16.24	0.299	5.85	13.6	0.53	1.87	0.98	0.15	16
A39339	184	5	> 10000	27	982	3.27	17.8	9	15.54	5.49	16.03	0.302	8.53	20.92	0.41	0.87	0.275	0.02	23.77
A39340	19	< 0.5	115	< 1	5	0.019	< 0.3	< 5	17.56	5	4.82	0.223	6.3	30.42	1.14	0.51	0.19	0.07	32.32
A39341	< 5	0.6	874	7	117	0.147	1.7	18	23.34	6.74	4.2	0.229	6.26	26.21	0.85	1.24	0.298	0.1	29.18
A39342	10	< 0.5	10	13	32	0.031	0.4	8	57.3	16.86	5.91	0.095	1.84	3.86	0.42	4.54	0.567	0.05	7.98
A39343	14	< 0.5	54	31	35	1.02	< 0.3	< 5	47.91	17.64	6.76	0.137	2.64	6	0.39	4.9	1.872	0.3	9.87
A39344	32	< 0.5	97	113	27	1.11	0.4	< 5	36	15.3	24.85	0.542	7.32	0.17	0.13	1.73	0.764	0.07	12.32
A39345	9	1.3	2960	74	571	2.36	1.6	5	53.16	18.12	12.96	0.201	4.31	0.16	0.26	3.6	0.77	0.11	6.74
A39346	24	0.6	271	44	217	0.959	0.4	< 5	52.49	20.29	11.26	0.172	2.98	0.37	0.47	5.08	1.248	0.27	5.67
A39347	21	0.7	806	80	230	0.32	0.9	6	52.97	19.63	10.59	0.161	2.83	0.52	0.49	4.83	1.204	0.38	5.56
A39348	10	0.5	815	80	215	0.308	1.2	6	72.45	9.61	8.93	0.107	1.67	0.08	0.36	2.34	0.568	0.03	4.73
A39349	27	< 0.5	169	59	108	2.12	1.8	183	47.8	19.6	16.21	0.232	3.79	0.24	0.51	4.14	0.889	0.17	6.55
A39350	13	< 0.5	231	41	179	0.62	0.8	46	70.9	10.16	10.33	0.111	2.34	0.15	0.82	1.54	0.487	0.06	3.54
A39351	< 5	< 0.5	9	15	67	0.028	0.4	57	81.94	5.84	2.86	0.065	1.34	2.06	0.36	1.55	0.226	0.05	3.7
A39352	< 5	< 0.5	51	46	132	0.792	1.9	2130	64.6	15.31	6.43	0.084	2.52	0.61	0.2	3.97	0.543	0.12	4.9
A39353	< 5	< 0.5	72	79	85	2.53	0.6	22	50.02	24.78	8.52	0.028	2.74	0.12	0.33	6.58	0.872	0.08	6.25
A39354	6	0.6	93	577	233	0.426	0.8	53	43.18	7.35	9.68	0.37	10.52	9.53	0.04	0.41	0.871	0.12	16.54
A39355	52	4.5	304	461	1030	1.01	1.3	160	49.5	8.95	12.65	0.294	10	5.28	0.03	0.07	1.226	0.15	9.85
A39356	1420	15.2	281	70	8780	1.58	8.3	> 5000	68.08	11.98	5.1	0.057	1.86	1.37	0.31	3.21	0.57	0.08	5.35
A39357	29	< 0.5	56	264	186	0.398	0.7	179	50.28	12.33	5.83	0.217	4.35	7.76	0.14	3.65	0.734	0.1	13.63
A39358	42	0.7	61	12	223	0.304	0.7	24	20.62	8.49	6.46	0.257	7.28	24.45	0.5	2.29	0.39	0.08	28.82
A39359	17	< 0.5	162	9	90	1.05	0.7	18	20.85	5.98	5.5	0.155	1.96	32.78	2.36	0.52	0.233	0.07	26.49
A39360	102	3.3	2250	46	653	18	1.7	47	17.23	1.89	52.98	0.198	0.82	1.28	0.56	0.11	0.093	0.04	25.69
A39361	200	4.6	152	32	1390	1.26	3.3	346	42.53	11.53	7.53	0.206	4.11	12.52	0.19	3.41	0.513	0.11	15.35
A39362	7	< 0.5	38	70	106	0.355	0.5	< 5	56.38	15.48	6.64	0.15	3.46	4.69	0.31	3.94	0.77	0.14	8.84
A39363	< 5	< 0.5	386	574	106	0.062	< 0.3	14	40.87	6.49	9.89	0.36	11.31	10.62	< 0.01	< 0.01	1.095	0.13	18.5
A39364	< 5	< 0.5	136	410	106	0.039	0.8	25	43.93	8.93	11.81	0.423	9.03	8.44	0.04	0.78	1.269	0.16	15.18
A39365	31	3.2	7170	437	274	1.14	5.6	145	44.13	10.61	17.61	0.43	8.05	5.23	0.04	0.44	1.499	0.18	9.52
A39366	< 5	0.6	1250	610	164	0.18	1.3	50	46.33	10.95	15.51	0.27	9.52	4.46	< 0.01	0.15	1.652	0.2	10.27

Final Report
Activation Laboratories

Element:	Hg	Cd	Cu	Ni	Zn	S	Ag	Pb	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI
Units:	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%
Detection Limit:	5	0.5	1	1	1	0.001	0.3	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01
Reference Method:	Hg-FIMS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
Client I.D.																			
A39367	< 5	0.6	598	600	162	0.103	1.3	71	48.37	10.79	15.84	0.254	9.3	4.12	< 0.01	0.08	1.666	0.21	9.37
A39368	< 5	< 0.5	35	79	50	0.259	< 0.3	6	56.12	16.57	8.09	0.172	2.44	1.77	0.77	3.81	0.874	0.13	8.94
A39369	9	< 0.5	84	41	36	0.676	0.5	< 5	68.58	12.02	6.22	0.067	1.56	0.61	0.53	2.89	0.601	0.09	6.06
A39370	54	1.2	71	8	340	0.054	2	267	83.06	6.32	3.51	0.066	0.92	0.83	0.16	1.69	0.316	0.03	3.57
A39371	11000	210	> 10000	92	64200	5.91	> 100	> 5000	50.92	4.15	13.43	0.227	2.37	0.6	0.08	1.06	0.171	0.02	12.05
A39372	26	0.8	41	40	205	0.03	1.5	87	57.99	17.53	8.36	0.145	2.17	0.48	0.41	4.41	0.79	0.09	7.28
A39373	21	0.8	962	30	175	0.321	2.1	73	61.76	12.4	10.51	0.207	2.42	0.55	0.31	2.98	0.464	0.06	8.76
A39374	16	< 0.5	54	171	184	0.027	0.9	11	50.54	12.48	9.42	0.247	4.7	5.61	0.31	2.22	1.625	0.21	12.1
A39375	323	16	166	37	2060	0.422	18.4	3130	66.4	11.23	10.06	0.233	2.8	0.33	1.42	1.69	0.48	0.12	5.72
A39376	331	5.2	52	7	2860	0.397	2.8	488	25.88	5.53	3.35	0.174	2.6	31.5	1.14	1.09	0.254	0.08	27.11
A39377	< 5	< 0.5	24	44	83	0.337	1.1	< 5	28.92	11.16	7.59	0.216	3.84	21.59	0.61	2.5	1.621	0.52	20.59
A39378	< 5	< 0.5	35	45	80	0.196	0.9	< 5	27.46	10.11	8.08	0.448	3.8	23.59	1.05	1.55	1.591	0.52	21.26
A39379	194	4.3	8	10	2030	0.153	0.9	145	31.1	5.49	3.59	0.268	2.12	28.8	1.28	0.87	0.405	0.14	25.03
A39380	6	< 0.5	26	22	80	0.191	1	5	38.74	7.88	4.6	0.136	2.11	22.98	0.75	1.47	0.831	0.23	20.15
A39381	< 5	< 0.5	253	86	109	0.869	0.7	20	61.21	16.02	7.74	0.044	3.12	1.8	0.56	3.83	0.725	0.11	4.89
A39382	< 5	< 0.5	30	11	10	0.589	0.8	325	91.33	0.89	2.14	0.07	0.77	1.74	0.02	0.25	0.043	0.02	2.79
A39383	< 5	< 0.5	108	154	92	0.598	< 0.3	< 5	40.28	14.04	12	0.177	7.76	6.9	1.82	1.57	2.212	0.28	12.37
A39384	< 5	< 0.5	281	176	78	0.487	< 0.3	< 5	43.63	13.82	11.33	0.15	6.75	6.05	3.81	0.59	2.304	0.32	10.23
A39385	< 5	< 0.5	123	127	73	0.185	< 0.3	< 5	42.25	12.99	9.98	0.147	7.84	7	2.76	0.77	2.042	0.22	12.41
A39386	< 5	< 0.5	104	178	78	0.06	0.3	< 5	39.65	12.82	10.92	0.17	9.26	7.66	2.86	0.22	2.039	0.23	13.48
A39387	< 5	< 0.5	100	155	75	0.066	< 0.3	< 5	41.59	12.85	10.68	0.157	8.7	7.51	2.93	0.35	2.082	0.25	13.15
A39388	< 5	< 0.5	76	226	65	0.066	0.5	< 5	39.86	11.56	10.09	0.169	9.06	9.3	1.91	0.92	1.776	0.21	15.42
A39389	< 5	< 0.5	102	272	75	0.144	< 0.3	< 5	39.61	11.7	9.71	0.185	8.94	8.57	1.36	1.2	1.741	0.18	14.78
A39390	< 5	< 0.5	243	169	85	0.541	0.3	< 5	43.12	13.14	10.71	0.187	6.52	7.11	1.93	1.77	2.028	0.28	11.75
A39391	< 5	< 0.5	156	137	87	0.401	< 0.3	< 5	43.82	12.76	10.66	0.202	6.2	6.98	1.16	2.2	2.048	0.27	12.07
A39392	36	0.5	94	38	189	0.508	0.6	57	69.35	11.62	6.5	0.103	2.4	1.14	0.38	2.56	0.636	0.13	4.67
A39393	312	4.8	260	29	1370	1.9	2	304	66.41	11.52	8.31	0.128	2.26	1.1	0.21	2.69	0.558	0.18	5.57
A39394	1260	17.9	864	27	4510	4.1	3.3	305	61.59	7.01	16.65	0.345	2.93	0.21	0.25	1.29	0.365	0.1	9.6
A39395	712	9.7	3800	55	2340	9.95	5.9	229	54.61	2.35	27.17	0.322	1.57	0.29	0.19	0.34	0.097	0.17	14.01
A39396	150	1.8	4760	24	339	2.43	5.6	22	58.95	2.49	25.8	0.336	1.67	0.3	0.28	0.35	0.106	0.1	8.68
A39397	89	1.5	3140	33	173	8.86	4.9	51	51.68	4.47	26.89	0.307	1.78	0.3	1.24	0.23	0.225	0.16	13.52
A39398	22	0.5	74	30	163	0.47	0.4	< 5	65.04	9.84	13.56	0.215	3.09	0.16	0.67	0.99	0.476	0.1	5.27
A39399	66	1	327	31	295	1.11	1.1	63	62.42	8.75	15.3	0.334	3.55	0.22	0.4	0.88	0.435	0.14	6.94
A39400	79	1.7	502	34	439	1.14	2.3	92	60.91	10.24	15.97	0.27	4.75	0.22	0.11	0.83	0.504	0.12	6.4
A39401	67	1.3	138	39	381	1.24	2.6	155	61.68	12.51	12.51	0.264	3.53	0.25	0.25	2.2	0.56	0.17	6.24
A39402	32	< 0.5	24	39	201	0.547	0.5	58	66.02	12.27	10.66	0.225	2.74	0.17	0.18	2.44	0.586	0.12	5.31
A39403	48	1	18	43	296	1.27	1.3	194	66.69	12.84	8.65	0.174	1.89	0.18	0.31	3.02	0.663	0.13	5.5
A39404	344	5.5	116	41	1770	2.08	2.7	695	58.86	13.06	13.01	0.252	2.69	0.26	1.61	2.2	0.661	0.15	7.12
A39405	257	4.4	105	40	1370	1.14	1.7	635	66.25	11.97	9.72	0.191	2.23	0.25	0.44	2.66	0.571	0.12	5.5
A39406	54	1	46	48	338	0.204	1	238	53.67	16.91	12.41	0.277	3.35	0.64	0.27	3.93	0.891	0.18	7.58
A39407	54	0.8	48	50	325	0.267	0.8	232	54.79	16.27	12.17	0.246	3.23	0.57	0.25	3.78	0.893	0.18	7.29

Final Report
Activation Laboratories

Element:	Hg	Cd	Cu	Ni	Zn	S	Ag	Pb	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI
Units:	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%
Detection Limit:	5	0.5	1	1	1	0.001	0.3	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01
Reference Method:	Hg-FIMS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
Client I.D.																			
A39408	82	1.9	59	46	492	0.119	0.9	90	56.58	16.19	11.62	0.228	3.07	0.31	0.26	3.77	0.913	0.19	7.31
A39409	30	1.1	1300	55	239	1.24	2.6	103	50.42	10.02	20.38	0.362	3.99	0.33	0.15	2.09	0.665	0.16	12.05
A39410	207	3.7	386	42	1020	0.588	1	123	54.41	16.18	12.84	0.229	3.37	0.29	0.25	3.74	0.854	0.17	7.79
A39411	480	8.5	2760	27	2430	1.67	3.9	1380	66.82	7.93	11.01	0.209	2.8	0.44	0.1	1.61	0.329	0.14	6.46
A39412	375	6.7	253	41	2020	0.822	1.6	1120	54.57	16.5	12.25	0.189	4.18	0.41	0.21	3.43	0.835	0.15	7.18
A39413	42	0.9	89	40	291	0.245	0.4	85	56.33	15.15	6.5	0.252	3.86	3.31	0.25	3.91	0.777	0.29	8.66
A39414	35	0.6	38	40	261	0.464	0.9	121	43.13	14.08	6.24	0.282	6.19	8.42	0.24	3.56	1.055	0.26	15.19
A39415	489	15.5	264	30	4220	2.58	6.3	2250	62.43	9.17	12.56	0.217	3.23	0.27	0.09	1.36	0.443	0.09	9.02
A39416	135	3.3	83	32	1070	0.949	2.3	377	60.77	10.61	11.98	0.207	3.57	0.43	0.13	1.55	0.576	0.13	8.96
A39417	179	3.2	163	36	959	0.512	2.6	603	58.03	12.46	12.47	0.227	4.14	0.41	0.18	2.24	0.822	0.17	8.75
A39418	489	13.1	321	45	3730	1.25	3.2	1760	51	14.96	15.06	0.31	4.29	0.26	0.24	2.49	0.835	0.13	9.91
A39419	753	22.8	647	39	5940	1.37	5.6	1130	54.8	11.89	14.57	0.307	3.64	0.44	0.27	1.63	0.732	0.12	11.37
A39420	102	2.2	290	51	827	0.915	3.1	550	55.29	13.19	12.52	0.22	3.74	0.35	0.33	2.01	0.914	0.22	10.79
A39421	308	8.7	3110	37	2650	9.05	8.9	402	55.16	8.02	16.36	0.149	1.79	0.41	0.43	1	0.454	0.27	11.8
A39422	136	3.5	1300	30	1110	4.17	3.2	150	62.19	10.61	11.05	0.18	2.01	0.54	0.61	1.57	0.577	0.2	9.2
A39423	97	3	2080	31	833	3.03	5.5	502	69.29	8.68	8.8	0.129	1.69	0.28	0.32	1.55	0.467	0.13	7.51
A39424	81	2.3	1100	40	512	9.3	3.1	270	38.32	6.31	27.58	0.713	4.26	1.55	0.41	0.57	0.378	0.23	18.55
A39425	687	40.4	261	38	11800	5.27	10.5	4160	48.48	11.17	19.91	0.187	4.69	0.18	0.38	1.5	0.439	0.07	11.71
A39426	115	6.5	72	33	1860	1.61	2.2	806	58.99	13.5	11.61	0.124	3.69	0.13	0.31	2.48	0.573	0.05	7.15
A39427	178	10.4	125	36	2670	2.14	0.5	1180	55.2	13.21	14.52	0.171	4.37	0.11	0.32	2.2	0.522	0.05	8.42
A39428	99	11.5	4880	134	2950	2.4	6.5	247	40.29	11.02	23.51	0.24	7.55	0.77	0.51	0.25	2.043	0.29	13.09
A39429	11	1.3	1480	378	367	0.685	0.6	72	50.97	9.66	17.94	0.186	8.25	0.73	0.03	< 0.01	1.911	0.26	9.07
A39430	29	6.8	9150	144	794	3.39	11.1	239	33.25	11.61	27.37	0.308	8.52	0.49	0.39	0.24	2.28	0.33	14.42
A39431	5	0.9	1030	134	303	0.884	< 0.3	71	43.97	10.94	21.59	0.246	7.84	0.56	0.3	0.09	2.188	0.3	11.24
A39432	37	4.9	7930	74	729	5	10.2	35	38.99	12.67	23.42	0.226	5.89	0.26	0.79	1.7	0.994	0.16	15.09
A39433	240	33.9	7480	106	9550	5.89	22.5	4480	36.57	9.02	26.23	0.298	6.14	0.28	0.97	0.96	0.992	0.14	19.01
A39434	14	1.5	1760	252	428	2.21	1.8	115	44.9	10.67	18.76	0.215	8.05	0.51	0.43	0.31	1.614	0.24	13.81
A39435	< 5	< 0.5	111	47	65	0.313	< 0.3	37	62.64	11.05	9.58	0.167	3.42	0.21	0.68	2.36	0.688	0.12	9.3
A39436	14	0.7	61	38	197	0.316	< 0.3	12	57.45	13.66	12.66	0.203	3.76	0.1	0.54	2.68	0.64	0.05	8.82
A39437	227	32.3	295	55	8270	1.53	21.9	1600	48.91	11.04	17.92	0.279	4.8	0.41	0.55	1.59	0.838	0.27	12.04
A39438	55	8.1	333	51	1720	0.774	1.7	291	57.12	15.48	11.4	0.141	3.29	0.3	0.39	3.37	0.761	0.21	7.33
A39439	33	3.9	82	38	1010	0.565	1.4	250	52.1	14.61	16.8	0.192	5.06	0.11	0.22	2.21	0.61	0.06	8.28
A39440	9	0.5	47	46	187	0.334	< 0.3	59	61.4	14.89	10.04	0.128	3.05	0.1	0.32	3.36	0.573	0.06	6.42
A39441	24	3.4	2190	43	913	1.67	2.9	313	63.43	9.2	13.45	0.099	3.86	0.75	0.08	1.12	0.354	0.56	6.29
A39442	29	3.9	1770	41	1010	1.45	7.1	863	57.03	10.6	17	0.218	4.83	0.2	0.12	1.39	0.397	0.13	8.23
A39443	10	1.4	213	39	435	0.464	< 0.3	61	59.91	13.74	11.25	0.164	3.55	0.33	0.26	3.11	0.543	0.23	7.21
A39444	8	0.8	221	79	302	0.667	< 0.3	236	57.3	12.9	12.98	0.221	5.57	0.27	0.19	2.04	1.158	0.17	8.05
A39445	< 5	< 0.5	152	35	133	0.44	< 0.3	35	61.98	15.04	8.76	0.135	3.44	0.11	0.27	3.53	0.629	0.08	6.23
A39446	< 5	< 0.5	43	21	127	0.128	< 0.3	13	78.71	8.76	4.24	0.061	1.63	0.18	0.88	1.67	0.423	0.05	3.14
A39447	< 5	< 0.5	199	20	141	0.136	< 0.3	7	79.14	8.88	4.68	0.066	1.77	0.16	0.86	1.67	0.414	0.05	3.25
A39448	15	1.6	184	47	450	1.03	< 0.3	322	58.91	17.63	8.86	0.066	3.02	0.16	0.41	4.07	0.874	0.07	6.48

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Element:	Hg	Cd	Cu	Ni	Zn	S	Ag	Pb	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI
Units:	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%
Detection Limit:	5	0.5	1	1	1	0.001	0.3	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	0.01
Reference Method:	Hg-FIMS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
Client I.D.																			
A39449	47	6.8	60	18	1550	0.385	8.2	> 5000	75.85	8.49	4.16	0.106	1.7	1.3	0.23	2.19	0.233	0.05	4.77
A39450	56	7.5	1230	33	1490	1.51	< 0.3	68	74.84	5.55	9.49	0.114	2	0.26	0.68	0.88	0.29	0.03	6.54
A39451	181	22.9	82	47	8260	2.83	0.7	1470	62.33	14.1	7.24	0.093	1.81	1.08	0.26	4.03	0.485	0.1	6.76
A20901	24	1	53	96	148	0.054	< 0.3	12	74.44	8.47	2.24	0.015	0.92	0.42	0.07	2.24	0.392	0.12	6.36
A20902	< 5	< 0.5	9	22	10	0.349	< 0.3	35	36.52	2.28	2.09	0.25	1.38	30.42	0.05	0.65	0.119	0.1	25.41
A20903	< 5	< 0.5	42	43	21	0.036	< 0.3	< 5	55.64	23.16	2.97	0.053	1.47	2.56	0.58	6.09	0.73	0.1	7.14
A20904	< 5	< 0.5	11	73	106	0.024	0.5	< 5	44.33	13.22	13.93	0.297	6.52	4.81	1.22	1.16	2.404	0.3	11.05
A20905	< 5	< 0.5	10	239	102	0.024	0.3	< 5	34.51	9.48	9.94	0.181	10.27	12.28	0.21	1.29	1.458	0.16	20.29
A20906	6	< 0.5	13	27	66	0.065	< 0.3	6	74.54	11.57	4.38	0.051	1.69	0.57	1.71	2.11	0.497	0.07	3.1
A20907	6	< 0.5	30	82	94	0.119	0.5	< 5	49.14	14.38	7.35	0.232	4.5	7.05	0.23	3.78	0.765	0.12	12.29
A20908	< 5	< 0.5	96	479	98	0.019	0.6	< 5	38.77	8.51	11.13	0.307	11.04	10.2	0.08	0.58	1.264	0.17	17.75
A20909	< 5	< 0.5	27	57	56	0.227	0.6	< 5	56.22	19.28	8.08	0.048	1.98	0.32	0.68	4.67	1.038	0.13	7.06
A20910	72	0.7	19	20	80	1.03	0.9	25	71.17	13.1	2.33	0.025	1.32	1.42	2.66	2.38	0.401	0.16	4.62
A20911	14	< 0.5	4	7	< 1	0.328	0.8	< 5	3.9	1.08	1.15	0.036	0.6	52.74	0.13	0.2	0.071	0.12	40.35
A20912	< 5	< 0.5	60	41	20	1.31	< 0.3	< 5	63.44	17.98	3.72	0.034	1.08	1.94	0.35	4.99	0.739	0.16	5.44
A20913	< 5	< 0.5	28	39	98	0.154	0.5	< 5	59.59	18.49	8.53	0.021	3.08	1.14	0.61	3.82	0.627	0.07	4.27
A20914	< 5	< 0.5	33	54	101	0.409	0.5	< 5	45.54	16.21	13.25	0.138	4.02	5.23	4.54	0.14	3.3	0.47	5.88
A20915	< 5	< 0.5	45	230	41	0.03	0.6	< 5	33.66	7.43	8.13	0.226	11.23	14.28	0.09	1.13	1.12	0.13	22.82
A20916	< 5	< 0.5	85	146	64	0.015	< 0.3	< 5	41.21	12.1	10.04	0.176	8.75	8.29	2.63	0.49	1.916	0.23	14.43
A20917	110	< 0.5	853	32	193	0.711	0.7	< 5	66.13	8.86	13.46	0.181	3.76	0.15	0.12	0.55	0.45	0.09	5.18
A20918	24	0.6	83	43	258	0.99	0.4	< 5	53.94	13.66	14.93	0.204	4.17	0.25	0.13	2.02	0.564	0.15	10.22
A20919	< 5	0.9	1280	505	177	0.371	2.1	35	48.19	9.54	17.49	0.218	9.74	1.14	< 0.01	< 0.01	2.055	0.31	10.3
A20920	< 5	0.5	68	47	154	0.116	< 0.3	10	57.47	14.23	10.64	0.166	3.38	0.22	0.48	3.21	0.633	0.15	8.24
A20921	< 5	< 0.5	86	51	134	0.563	0.4	< 5	61.35	16.24	8.72	0.111	3.37	0.14	0.72	3.32	0.812	0.09	5.72
A39452	99	6	723	27	1690	7.23	3.5	370	36.46	5.47	29.76	0.434	5.08	0.29	0.42	1.09	0.316	0.02	21.11
A39453	11	1	351	46	247	2.53	2.2	229	55.9	10.89	13.45	0.231	3.42	0.3	0.86	1.85	0.555	0.13	11.12

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Element:	Total	Sc	Be	V	Ba	Sr	Y	Zr	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Nb
Units:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.01	1	1	5	3	2	2	4	20	1	20	10	30	1	1	5	2	1
Reference Method:	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
A39326	97.43	12	2	83	1219	105	21	106	< 20	18	30	40	< 30	18	1	< 5	141	14
A39327	97.14	12	2	80	1257	101	19	105	< 20	17	30	40	60	19	2	< 5	152	16
A39328	97.17	4	< 1	16	444	981	10	41	< 20	< 1	< 20	20	< 30	5	< 1	20	30	4
A39329	77.42	3	< 1	13	388	234	4	34	< 20	519	40	4540	890	7	< 1	> 2000	38	4
A39330	98.08	6	1	27	1333	530	11	60	< 20	9	< 20	60	190	9	< 1	89	89	8
A39331	100.6	2	< 1	10	335	654	11	22	< 20	11	20	50	7330	3	< 1	15	14	2
A39332	99.13	14	2	69	2118	208	27	145	30	14	20	20	70	25	1	39	189	24
A39333	99.11	15	3	64	2517	172	25	118	< 20	16	30	20	70	22	2	12	165	18
A39334	96.76	11	2	85	1523	421	16	118	< 20	18	< 20	990	110	14	< 1	< 5	79	16
A39335	92.65	21	1	247	861	261	25	177	< 20	50	< 20	1790	340	20	< 1	36	41	34
A39336	95.44	26	2	336	916	248	29	214	< 20	39	40	970	450	24	2	24	39	44
A39337	97.14	29	2	374	1462	234	29	247	< 20	22	30	150	190	26	1	< 5	57	51
A39338	86.38	11	2	91	2303	445	18	128	< 20	103	70	2630	540	17	< 1	36	72	20
A39339	92.16	7	1	30	971	519	15	68	20	86	< 20	7180	1040	8	< 1	13	31	8
A39340	98.54	5	< 1	24	538	805	16	48	< 20	7	< 20	670	80	7	< 1	11	19	6
A39341	98.64	7	1	26	1117	725	16	71	< 20	4	< 20	< 10	< 30	8	< 1	< 5	38	8
A39342	99.41	16	3	71	2494	187	21	109	20	19	< 20	30	< 30	22	1	< 5	188	17
A39343	98.43	25	3	171	2278	190	29	189	210	30	40	60	< 30	25	1	< 5	199	37
A39344	99.2	12	1	90	466	24	17	151	30	40	< 20	1200	520	24	2	< 5	74	16
A39345	100.4	14	2	97	981	45	28	204	40	21	< 20	120	180	26	2	< 5	148	16
A39346	100.3	20	3	148	1447	48	25	225	120	32	40	480	200	31	2	13	192	20
A39347	99.17	19	3	146	1399	58	30	234	110	31	40	450	160	29	1	13	184	19
A39348	100.9	8	1	60	739	19	15	234	< 20	37	< 20	120	100	14	< 1	< 5	88	9
A39349	100.1	19	2	120	1495	38	31	158	70	22	30	110	160	28	2	< 5	152	16
A39350	100.4	9	1	60	519	26	17	197	< 20	21	< 20	130	130	14	2	< 5	57	8
A39351	99.97	6	1	33	371	91	10	89	< 20	6	< 20	< 10	50	8	1	< 5	61	4
A39352	99.29	14	3	107	1001	50	23	89	30	11	20	30	120	21	2	< 5	162	10
A39353	100.3	23	4	169	1735	50	38	131	80	21	30	20	60	33	2	< 5	250	15
A39354	98.6	23	1	128	178	237	12	65	1010	56	360	70	180	10	1	79	16	10
A39355	98.01	26	< 1	167	45	137	16	86	860	40	250	190	600	12	1	< 5	4	15
A39356	97.96	11	2	70	858	84	19	182	90	12	30	160	5530	16	1	13	126	12
A39357	99.02	17	2	98	943	224	16	142	470	35	190	40	110	18	1	116	151	12
A39358	99.65	7	2	46	834	615	15	91	< 20	8	20	60	210	12	< 1	< 5	88	12
A39359	96.9	5	< 1	29	189	986	11	75	< 20	6	< 20	120	80	9	< 1	< 5	32	8
A39360	100.9	3	< 1	15	38	40	5	17	60	212	70	3930	120	5	2	< 5	10	3
A39361	97.99	11	2	57	1057	322	19	121	40	13	< 20	110	1090	15	< 1	< 5	129	13
A39362	100.8	15	3	94	1252	147	26	185	150	29	80	30	90	21	1	< 5	157	13
A39363	99.25	21	< 1	140	9	456	11	68	920	57	420	290	70	9	2	137	< 2	11
A39364	100	24	1	183	251	399	18	101	840	58	310	120	100	13	2	59	33	12
A39365	97.74	24	1	205	144	234	17	103	1010	90	190	2540	260	16	2	36	17	15
A39366	99.32	33	1	240	59	286	18	105	1280	64	400	790	120	15	2	171	7	17

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Element:	Total	Sc	Be	V	Ba	Sr	Y	Zr	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Nb
Units:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.01	1	1	5	3	2	2	4	20	1	20	10	30	1	1	5	2	1
Reference Method:	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
A39367	99.99	32	< 1	228	39	268	18	114	1260	74	430	400	160	15	2	182	4	17
A39368	99.7	16	2	98	1859	112	30	203	150	33	50	30	50	24	2	32	153	15
A39369	99.23	10	2	64	1349	59	20	303	50	14	< 20	50	< 30	16	1	< 5	110	11
A39370	100.5	4	< 1	23	634	52	11	263	40	3	< 20	60	300	7	1	< 5	62	5
A39371	85.06	3	< 1	18	370	27	11	120	< 20	61	< 20	6630	> 10000	7	< 1	< 5	39	3
A39372	99.65	15	2	89	1510	80	29	298	40	14	< 20	30	160	24	2	6	152	15
A39373	100.4	9	2	59	996	83	22	234	40	18	< 20	570	170	18	2	< 5	102	9
A39374	99.48	22	2	196	705	160	25	177	260	33	110	40	140	17	1	46	81	22
A39375	100.5	7	1	53	440	48	27	252	70	12	< 20	130	1380	16	1	25	68	11
A39376	98.7	4	< 1	23	467	805	11	105	50	9	40	40	1550	8	< 1	< 5	41	7
A39377	99.15	10	2	96	1526	582	19	254	50	20	20	20	80	15	1	8	97	71
A39378	99.46	9	1	86	1084	588	22	228	50	19	20	30	70	13	1	10	61	69
A39379	99.09	5	< 1	29	634	842	17	115	< 20	6	< 20	20	1510	6	< 1	5	32	16
A39380	99.87	6	1	49	903	693	18	156	50	12	< 20	30	60	12	1	8	57	38
A39381	100.1	15	3	102	1718	77	25	171	90	25	50	160	110	22	2	< 5	162	16
A39382	100.1	< 1	< 1	7	62	58	3	13	80	5	< 20	20	< 30	1	< 1	< 5	10	< 1
A39383	99.41	32	2	274	1108	357	21	148	450	38	100	70	90	19	1	12	67	26
A39384	98.98	29	2	257	430	339	22	155	350	46	120	180	80	17	1	< 5	24	27
A39385	98.41	29	2	249	568	314	19	126	360	35	110	100	70	16	1	< 5	34	23
A39386	99.31	32	1	260	199	324	19	127	490	40	160	100	90	16	1	12	12	22
A39387	100.3	32	1	260	238	313	20	132	470	38	140	100	90	17	2	9	18	24
A39388	100.3	30	1	231	366	363	16	114	760	50	210	80	80	17	1	84	38	21
A39389	97.97	32	2	219	861	361	17	104	840	39	220	80	60	15	1	67	51	19
A39390	98.54	28	2	247	1171	329	21	156	410	40	110	210	100	18	1	15	77	28
A39391	98.38	29	2	252	1257	282	22	148	410	42	100	120	130	17	1	39	91	26
A39392	99.48	11	2	74	957	70	18	201	110	14	< 20	80	220	17	1	19	101	12
A39393	98.94	9	1	68	902	66	22	179	130	10	< 20	170	1500	18	1	34	111	12
A39394	100.3	8	< 1	46	392	22	19	72	50	20	< 20	630	4330	12	< 1	37	56	10
A39395	> 101.0	4	< 1	14	109	17	9	23	70	16	40	3530	2650	5	1	37	16	3
A39396	99.06	3	< 1	26	113	17	10	24	70	10	30	220	2710	4	< 1	67	15	4
A39397	100.8	6	< 1	28	70	46	11	57	60	118	30	2840	170	7	< 1	11	9	6
A39398	99.41	9	< 1	72	306	31	17	88	60	14	< 20	50	170	16	1	146	44	12
A39399	99.38	7	< 1	55	283	27	19	84	60	16	< 20	220	300	14	2	1010	42	14
A39400	100.3	9	< 1	56	269	20	20	95	50	23	< 20	330	510	16	2	497	40	16
A39401	100.1	12	1	66	637	36	26	103	70	19	< 20	110	300	18	1	266	103	17
A39402	100.7	11	1	77	695	31	22	127	60	15	< 20	20	210	18	2	260	114	18
A39403	100	10	1	66	821	40	24	179	70	16	< 20	< 10	290	19	1	130	140	39
A39404	99.87	11	1	68	614	67	22	133	60	13	< 20	60	2130	20	2	516	99	25
A39405	99.9	11	1	65	642	39	22	127	80	18	< 20	80	1470	18	2	160	119	19
A39406	100.1	14	1	96	1033	55	29	181	80	20	30	40	360	24	2	458	160	31
A39407	99.65	13	1	93	974	53	28	189	120	21	30	40	370	23	2	362	154	32

Final Report
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Element:	Total	Sc	Be	V	Ba	Sr	Y	Zr	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Nb
Units:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.01	1	1	5	3	2	2	4	20	1	20	10	30	1	1	5	2	1
Reference Method:	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
A39408	100.4	13	1	92	988	47	29	205	90	18	20	50	570	23	2	227	160	34
A39409	100.6	9	1	62	518	28	29	195	60	42	< 20	570	290	15	2	473	89	22
A39410	100.1	12	1	85	889	46	28	198	90	19	< 20	220	1060	22	2	703	146	28
A39411	97.85	6	< 1	44	350	34	10	92	40	19	< 20	1070	2380	12	2	> 2000	64	10
A39412	99.9	13	2	91	797	45	26	199	100	19	< 20	170	1790	24	2	> 2000	142	28
A39413	99.27	13	2	84	942	134	34	192	70	18	20	80	290	21	2	798	161	26
A39414	98.66	12	2	83	891	272	25	191	90	17	< 20	30	300	20	1	81	144	40
A39415	98.87	9	< 1	65	323	25	16	85	40	12	< 20	120	4370	14	1	> 2000	56	13
A39416	98.89	10	1	66	518	49	24	116	70	16	< 20	60	670	15	< 1	48	65	19
A39417	99.89	11	1	83	965	65	26	173	90	19	< 20	140	1040	17	1	592	83	24
A39418	99.49	12	2	93	1000	84	22	167	80	20	< 20	180	3610	21	1	222	100	27
A39419	99.78	10	< 1	75	508	70	22	147	70	16	< 20	320	6850	17	1	210	68	24
A39420	99.56	12	1	94	579	71	27	177	70	13	< 20	170	470	19	1	168	85	27
A39421	95.85	8	< 1	54	287	86	16	91	80	44	< 20	1100	2220	13	< 1	26	42	13
A39422	98.75	11	1	84	460	111	35	123	90	19	< 20	660	920	18	1	77	64	16
A39423	98.85	9	< 1	79	511	64	16	87	30	11	< 20	830	610	15	1	114	62	12
A39424	98.87	8	< 1	61	178	66	14	70	80	60	40	930	500	10	2	101	23	11
A39425	98.74	12	1	65	334	58	30	139	40	45	30	260	> 10000	17	3	66	61	18
A39426	98.62	12	2	87	620	49	35	146	30	16	< 20	50	1160	20	2	48	105	20
A39427	99.08	13	1	80	530	45	33	132	80	21	< 20	80	2450	20	2	53	93	16
A39428	99.57	19	< 1	217	64	54	19	143	140	35	< 20	1690	2620	22	2	132	10	30
A39429	99.02	27	< 1	235	6	25	19	137	490	61	280	1020	240	22	2	97	< 2	28
A39430	99.19	25	1	262	50	44	23	154	140	72	200	8170	910	25	3	44	7	30
A39431	99.27	22	< 1	241	33	40	19	153	130	28	40	500	260	23	2	75	5	31
A39432	100.2	16	1	124	522	99	25	139	100	87	60	7250	570	22	2	91	62	18
A39433	100.6	14	1	119	252	124	19	159	70	104	90	6640	7680	17	1	120	35	14
A39434	99.52	21	< 1	195	70	62	17	130	290	55	60	810	330	18	2	158	16	22
A39435	100.2	10	1	77	511	88	18	185	60	11	< 20	70	50	15	1	31	93	12
A39436	100.6	12	2	73	514	68	18	180	90	20	30	70	150	21	1	< 5	110	14
A39437	98.66	8	1	67	299	77	19	255	30	38	< 20	220	5650	17	2	105	63	47
A39438	99.8	13	2	85	702	59	21	156	50	22	< 20	200	1090	22	2	45	134	25
A39439	100.3	11	1	81	476	31	18	144	40	22	20	60	740	22	2	535	86	13
A39440	100.3	13	2	103	786	41	32	110	70	21	40	50	70	21	2	55	143	12
A39441	99.2	8	< 1	68	248	39	29	54	< 20	24	< 20	870	730	13	2	739	46	7
A39442	100.2	11	< 1	69	309	22	20	65	50	42	40	1920	1150	16	2	207	59	8
A39443	100.3	13	2	88	695	47	23	105	40	14	20	130	260	18	2	83	124	11
A39444	100.9	15	1	132	413	38	20	198	110	28	70	220	300	20	2	9	88	19
A39445	100.2	11	< 1	79	715	44	21	213	60	15	20	100	100	21	2	20	141	13
A39446	99.75	6	1	44	385	34	14	245	< 20	6	< 20	30	90	12	1	7	69	6
A39447	100.9	6	1	47	371	34	14	239	40	8	< 20	180	120	12	1	< 5	69	6
A39448	100.6	16	3	105	995	60	23	345	70	17	20	150	270	24	1	35	153	16

Final Report
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Element:	Total	Sc	Be	V	Ba	Sr	Y	Zr	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Nb
Units:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.01	1	1	5	3	2	2	4	20	1	20	10	30	1	1	5	2	1
Reference Method:	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
A39449	99.07	5	1	32	517	74	11	86	< 20	4	< 20	60	1160	11	1	10	82	4
A39450	100.7	4	< 1	30	229	32	14	222	< 20	19	< 20	780	1010	8	< 1	< 5	33	5
A39451	98.29	10	2	61	906	55	22	143	30	13	< 20	40	4680	18	1	5	150	11
A20901	95.69	8	3	444	1586	68	19	73	50	5	80	50	< 30	12	1	< 5	94	7
A20902	99.25	1	< 1	13	199	724	9	51	50	5	40	10	< 30	3	< 1	9	24	4
A20903	100.5	19	3	82	3146	223	32	141	90	18	20	40	< 30	29	2	7	239	22
A20904	99.25	27	2	286	304	180	25	161	100	32	< 20	< 10	90	19	2	12	43	29
A20905	100.1	28	1	212	282	412	16	89	870	42	210	10	80	13	1	99	49	16
A20906	100.3	9	2	59	606	62	16	217	70	10	< 20	10	50	16	1	< 5	81	10
A20907	99.84	14	3	95	1145	191	26	171	160	18	70	20	60	19	1	9	144	13
A20908	100.4	25	2	177	227	418	16	87	1160	46	330	60	100	11	1	41	22	12
A20909	99.49	18	3	112	1042	127	32	191	100	18	< 20	20	< 30	25	3	< 5	179	25
A20910	99.59	5	2	76	2210	157	19	139	20	5	< 20	10	40	16	< 1	< 5	97	12
A20911	100.4	1	< 1	11	123	890	5	22	< 20	< 1	30	20	< 30	2	< 1	< 5	8	3
A20912	99.87	14	3	80	1974	116	21	129	70	24	40	40	< 30	24	2	< 5	179	23
A20913	100.2	16	3	77	1509	97	27	128	90	13	< 20	20	80	24	3	< 5	147	21
A20914	98.71	26	2	342	100	404	26	208	70	41	< 20	20	90	24	1	< 5	6	43
A20915	100.2	32	2	185	369	483	13	70	950	45	230	50	40	11	1	44	47	13
A20916	100.3	32	2	247	253	331	18	122	540	39	110	80	60	16	1	10	20	22
A20917	98.94	8	< 1	68	156	15	18	84	40	14	30	780	170	13	2	23	24	14
A20918	100.2	11	1	71	561	31	17	101	60	20	50	80	180	20	1	25	85	25
A20919	98.99	28	< 1	233	6	35	20	169	580	80	340	680	230	16	2	333	< 2	32
A20920	98.82	11	2	77	659	71	18	194	30	17	30	50	130	20	2	28	132	13
A20921	100.6	15	2	89	745	47	21	239	60	22	30	60	110	21	2	34	138	15
A39452	100.4	6	< 1	46	320	52	13	68	< 20	13	20	50	2250	8	< 1	26	43	8
A39453	98.7	10	< 1	79	471	100	23	112	50	23	30	240	230	16	2	62	78	16

Element:	Mo	Ag	In	Sn	Sb	Cs	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	2	0.5	0.2	1	0.5	0.5	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
A39326	< 2	< 0.5	< 0.2	< 1	2	3	52.6	107	11.1	40.5	7.1	1.33	5.9	0.8	4.4	0.8	2.3	0.33
A39327	< 2	< 0.5	< 0.2	< 1	2.3	3.2	55.2	111	11.5	41.1	6.8	1.35	5.6	0.7	3.9	0.7	2.1	0.32
A39328	< 2	< 0.5	0.2	13	0.7	0.6	14.3	26	3.04	11.5	2.1	0.67	2	0.3	1.6	0.3	0.9	0.12
A39329	< 2	1.3	6.7	45	9.9	0.8	7.3	13.8	1.47	5.7	1	0.47	1	0.1	0.7	0.1	0.4	< 0.05
A39330	< 2	< 0.5	0.3	13	3.1	1.4	23.7	43.8	4.86	18	3.1	0.86	2.8	0.4	2.1	0.4	1.2	0.17
A39331	< 2	2.1	< 0.2	4	1.2	< 0.5	9.7	18.5	2.02	7.8	1.6	0.76	1.8	0.3	1.6	0.3	0.8	0.12
A39332	< 2	< 0.5	< 0.2	< 1	3.1	3.8	56.2	109	12	43.9	7.5	1.47	6.8	0.9	5	1	2.7	0.4
A39333	< 2	< 0.5	< 0.2	3	5.6	3.9	59.3	114	12.2	44.9	7.4	1.41	6.6	0.9	4.8	0.9	2.6	0.38
A39334	< 2	< 0.5	2.6	29	2	1.9	33.9	63	7.19	27.3	5.2	1.36	4.7	0.6	3.3	0.6	1.7	0.25
A39335	3	< 0.5	6.8	37	1.7	1	45.2	89.3	10.4	41.3	8.2	1.89	7.6	1.1	5.3	1	2.7	0.37
A39336	< 2	< 0.5	3.2	109	2.5	1.1	30.7	65.3	7.86	32.4	6.9	1.66	7.4	1.1	6	1.1	2.9	0.41
A39337	< 2	< 0.5	0.8	98	2.9	1.6	42.1	87.9	10.3	41.3	8.6	1.92	8.5	1.3	6.4	1.2	3.1	0.41
A39338	< 2	< 0.5	12.5	41	1.3	1.7	41.8	78.5	9.09	35.1	6.2	1.6	5.2	0.7	3.6	0.7	1.8	0.26
A39339	< 2	1.8	16.9	97	0.7	0.7	31.6	58.5	6.44	24.2	4.2	1.25	3.9	0.5	2.8	0.5	1.4	0.2
A39340	< 2	< 0.5	2.2	12	4.3	3.3	24.6	46.6	5.16	19.7	3.5	1.07	3.5	0.5	2.8	0.5	1.5	0.22
A39341	< 2	< 0.5	< 0.2	< 1	1.1	0.7	27.9	52.5	5.96	22.1	4	1.18	3.6	0.5	2.9	0.6	1.6	0.23
A39342	< 2	< 0.5	< 0.2	< 1	2.7	4	53.8	104	11.2	40.1	6.6	1.21	5	0.8	4.2	0.8	2.3	0.35
A39343	< 2	< 0.5	< 0.2	< 1	3.8	3.6	54.8	105	11.8	44.5	8.1	1.9	7	1	5.6	1	2.9	0.42
A39344	< 2	< 0.5	3.4	30	2.7	1.5	33.3	70.8	7.43	28.3	5.1	0.81	4.3	0.6	3.5	0.6	1.9	0.28
A39345	< 2	< 0.5	0.5	40	3.3	2.9	56.5	115	12.1	44.8	7.8	1.32	6.6	1	5.4	1	2.8	0.43
A39346	< 2	< 0.5	1.3	26	3.3	3.9	47.9	104	10.5	40.6	7.6	1.92	6.8	1	5	0.9	2.5	0.36
A39347	< 2	< 0.5	1.1	23	3.2	3.8	46.7	100	10.3	40.3	7.8	2.04	7.6	1.1	6.1	1.1	2.9	0.42
A39348	< 2	< 0.5	0.4	< 1	1.4	1.8	28.4	56.5	5.88	21.2	3.7	0.86	3.1	0.5	2.7	0.5	1.5	0.23
A39349	< 2	< 0.5	0.4	25	2.6	2.9	78	153	16.7	61.7	10.7	2.73	8.9	1.3	6.4	1.1	3.1	0.44
A39350	< 2	< 0.5	0.2	9	3.2	1.2	34.9	71.7	7.42	27.6	4.7	1.21	3.9	0.6	3.2	0.6	1.7	0.25
A39351	< 2	< 0.5	< 0.2	< 1	4	1.2	18.2	37.2	3.87	14.4	2.5	0.54	2.3	0.4	2.1	0.4	1.1	0.17
A39352	< 2	0.7	< 0.2	< 1	3.8	3.6	42.5	81.8	8.87	32.8	6.1	1.31	5.6	0.8	4.5	0.8	2.4	0.35
A39353	< 2	< 0.5	< 0.2	< 1	1.9	5.2	80.5	154	16.8	61.9	10.9	2.19	9.5	1.4	7.1	1.3	3.8	0.56
A39354	< 2	< 0.5	< 0.2	2	4.6	< 0.5	11.9	24.5	2.77	11.4	2.4	0.79	2.7	0.4	2.5	0.5	1.3	0.17
A39355	< 2	< 0.5	0.5	7	3	< 0.5	21.3	43.4	5.24	20.6	4.2	0.93	3.8	0.6	3.3	0.6	1.6	0.23
A39356	< 2	2.6	< 0.2	6	6.9	3.1	34.6	69.7	7.2	26.7	4.7	0.99	4	0.6	3.4	0.7	2	0.3
A39357	< 2	< 0.5	< 0.2	1	4.9	3.7	37.2	76.8	7.86	29.3	5	1.28	4.2	0.6	3.3	0.6	1.7	0.25
A39358	< 2	< 0.5	< 0.2	8	3.7	2.1	32.9	63.4	6.69	24.4	4.2	1.1	3.8	0.5	2.9	0.5	1.5	0.21
A39359	< 2	< 0.5	0.3	9	1.9	1.4	24.3	48.8	5.24	19.2	3.5	0.72	2.8	0.4	2	0.4	1	0.15
A39360	< 2	< 0.5	0.8	29	4.2	0.6	6.9	14.1	1.49	5.9	1.1	0.32	1.1	0.2	0.9	0.2	0.5	0.07
A39361	< 2	1.1	< 0.2	6	2.1	3	37.8	72.3	8.01	29.1	5.2	1.12	4.5	0.6	3.4	0.6	1.8	0.27
A39362	< 2	< 0.5	< 0.2	2	2.7	3.9	44.6	87.6	9.78	36.1	6.6	1.38	5.7	0.8	4.6	0.9	2.5	0.38
A39363	< 2	< 0.5	0.2	8	4.9	< 0.5	10.3	21.9	2.62	11.4	2.5	1.05	2.8	0.4	2.4	0.4	1.1	0.15
A39364	< 2	< 0.5	< 0.2	10	4.5	0.9	13.5	29.1	3.48	14.8	3.3	0.94	3.5	0.6	3.4	0.6	1.8	0.27
A39365	< 2	< 0.5	4.8	24	3.2	0.5	17.4	37.2	4.45	18	3.8	0.91	3.8	0.6	3.5	0.7	1.8	0.26
A39366	< 2	< 0.5	0.9	21	5.9	< 0.5	14.9	32.9	3.87	16.7	3.7	1.12	4	0.6	3.4	0.6	1.7	0.23

Final Report
Activation Laboratories

Element:	Mo	Ag	In	Sn	Sb	Cs	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	2	0.5	0.2	1	0.5	0.5	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
A39367	< 2	< 0.5	0.5	26	5.6	< 0.5	16.4	35.4	4.19	17.6	3.8	1.16	4.1	0.6	3.5	0.6	1.7	0.25
A39368	< 2	< 0.5	< 0.2	11	5.2	4.1	45.8	93.8	10.2	38.6	6.9	1.55	6.4	1	5.4	1	2.9	0.43
A39369	< 2	< 0.5	< 0.2	2	3.4	2.8	36.3	76.9	8.02	30.4	5.5	1.15	4.7	0.7	3.7	0.7	2.1	0.32
A39370	< 2	0.8	< 0.2	21	2.7	1.4	28.4	60.4	6.24	22.3	3.9	0.65	3	0.4	2	0.4	1	0.16
A39371	< 2	1.1	9.3	43	3	0.9	16	32	3.38	12.5	2.3	0.45	2.2	0.4	2	0.4	1	0.15
A39372	< 2	< 0.5	0.2	25	7	9.4	56.8	114	12.2	45	7.8	1.53	6.7	1	5.3	1	3	0.45
A39373	< 2	0.8	1	17	5	2.8	44.6	89.1	9.41	34.1	5.7	1.23	4.8	0.7	3.8	0.7	2.1	0.32
A39374	< 2	< 0.5	< 0.2	11	0.7	2.1	28.9	60.7	6.79	27.8	5.5	1.54	5.3	0.9	4.8	0.9	2.4	0.34
A39375	< 2	6.1	0.4	9	0.9	1.7	36.1	76	8.04	30.4	5.4	1.09	4.4	0.8	4.8	0.9	2.7	0.4
A39376	< 2	< 0.5	0.2	< 1	< 0.5	1.1	18	37	3.95	15.3	2.7	0.64	2.2	0.4	1.9	0.4	1.1	0.16
A39377	2	< 0.5	< 0.2	1	0.6	2.9	56.8	104	10.8	41.1	6.8	1.7	4.9	0.8	4	0.7	1.8	0.26
A39378	2	< 0.5	< 0.2	2	0.8	1.6	59.1	106	11.1	41.5	7.1	2.19	5.3	0.9	4.5	0.8	2	0.28
A39379	< 2	< 0.5	< 0.2	< 1	0.7	0.9	26.9	50.7	5.28	20	3.6	1.27	2.9	0.5	2.9	0.5	1.4	0.19
A39380	< 2	< 0.5	< 0.2	1	1.2	2	43.6	82.3	8.69	33.1	5.7	1.44	4.3	0.7	4	0.7	2	0.31
A39381	< 2	< 0.5	< 0.2	5	0.9	5.7	51.3	99.4	11	41.2	7.2	1.53	5.4	0.9	4.8	0.9	2.5	0.4
A39382	< 2	< 0.5	< 0.2	< 1	0.6	< 0.5	2.3	4.8	0.53	2.1	0.5	0.15	0.6	0.1	0.7	0.1	0.4	0.06
A39383	< 2	< 0.5	< 0.2	< 1	0.9	1.2	23.5	49.8	5.86	25.5	5.5	1.85	5.3	0.9	4.6	0.8	2.2	0.3
A39384	< 2	< 0.5	< 0.2	< 1	1	< 0.5	24.3	52.4	6.19	27.1	5.6	1.92	5.4	0.9	4.8	0.8	2.2	0.31
A39385	< 2	< 0.5	< 0.2	< 1	1.8	0.7	20.6	44.2	5.36	22.5	5	1.67	4.9	0.8	4.1	0.7	2	0.27
A39386	< 2	< 0.5	< 0.2	< 1	2.6	< 0.5	19.6	41.6	5	21.6	4.6	1.57	4.6	0.7	3.9	0.7	1.9	0.26
A39387	< 2	< 0.5	< 0.2	< 1	1.2	< 0.5	20.1	43	5.1	21.9	4.7	1.64	4.8	0.8	4.2	0.7	2	0.27
A39388	< 2	< 0.5	< 0.2	< 1	0.8	0.6	17.3	37.3	4.38	19	4.2	1.5	4.5	0.7	3.6	0.7	1.8	0.24
A39389	< 2	< 0.5	< 0.2	< 1	0.8	0.9	16.3	34.5	4.13	17.6	4	1.35	4	0.6	3.4	0.6	1.6	0.22
A39390	< 2	< 0.5	< 0.2	< 1	0.8	1.3	21	45	5.25	22.8	5	1.65	5.2	0.8	4.3	0.8	2.1	0.29
A39391	< 2	< 0.5	< 0.2	1	1.6	1.7	23	48	5.75	24.1	5.4	1.66	5.5	0.9	4.3	0.8	2.1	0.29
A39392	< 2	< 0.5	< 0.2	6	0.6	1.8	35.5	73.2	7.39	28	5	1.07	4	0.7	3.6	0.7	2	0.3
A39393	< 2	< 0.5	0.3	19	0.7	2	39.8	80.8	8.41	31.3	5.8	1.08	4.7	0.8	4.1	0.8	2.3	0.33
A39394	< 2	1.6	2.1	48	0.6	1.3	32	67.5	6.79	25.1	4.6	0.43	3.9	0.7	3.5	0.7	1.9	0.28
A39395	< 2	4.2	4.8	52	0.8	< 0.5	6.7	15	1.65	6.5	1.6	0.19	1.7	0.3	1.5	0.3	0.8	0.12
A39396	< 2	< 0.5	3.2	7	< 0.5	< 0.5	6.8	15.6	1.63	6.8	1.5	0.21	1.8	0.3	1.6	0.3	0.9	0.12
A39397	< 2	2.5	1.7	30	0.6	< 0.5	19.5	45.5	4.72	18.5	3.7	0.35	3.1	0.5	2.3	0.4	1.1	0.16
A39398	< 2	< 0.5	0.2	21	< 0.5	1.2	41.1	85.5	8.61	31.9	5.4	0.5	4.1	0.6	3.2	0.6	1.7	0.26
A39399	< 2	< 0.5	0.6	18	0.6	1	33.8	68.2	6.73	24.9	4.4	0.46	3.6	0.6	3.4	0.7	1.9	0.28
A39400	< 2	< 0.5	0.7	25	0.7	0.9	44.5	89.9	9.06	33.3	5.6	0.56	4.1	0.7	3.9	0.7	2	0.31
A39401	< 2	1.2	0.3	24	0.5	2.3	53.6	105	11.2	41.7	7.3	0.81	5.9	0.9	5	0.9	2.5	0.38
A39402	< 2	< 0.5	< 0.2	28	0.8	2.4	45.7	93.2	9.39	35.1	6	0.73	4.5	0.8	4.2	0.8	2.3	0.36
A39403	< 2	< 0.5	< 0.2	21	< 0.5	3.2	54.9	110	11.1	39.7	6.6	0.9	5	0.8	4.6	0.9	2.6	0.4
A39404	< 2	< 0.5	0.3	34	0.9	2.3	55.3	105	11	40.6	6.7	1.13	4.8	0.8	4.3	0.8	2.3	0.34
A39405	< 2	< 0.5	0.3	35	1.1	2.9	48.4	99.6	10.1	38.3	6.8	1.1	5.1	0.8	4.3	0.8	2.3	0.34
A39406	< 2	< 0.5	0.4	64	0.8	3.1	66.3	124	13.8	50.9	8.7	1.65	7.1	1.1	5.6	1	2.9	0.44
A39407	< 2	< 0.5	0.4	74	1.2	3.2	64.3	121	13.3	49.4	8.3	1.61	6.8	1	5.4	1	2.9	0.43

Final Report
Activation Laboratories

Element:	Mo	Ag	In	Sn	Sb	Cs	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	2	0.5	0.2	1	0.5	0.5	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
A39408	< 2	< 0.5	0.6	65	1	3.1	64.8	121	13.1	48.7	8.2	1.53	6.6	1.1	5.6	1	3	0.45
A39409	< 2	< 0.5	1.9	46	0.6	1.8	44.2	86.5	9.43	36.6	6.8	1.29	6.4	1.1	5.5	1	2.7	0.4
A39410	< 2	< 0.5	0.8	36	0.6	2.8	63.7	117	13.1	47.5	8.2	1.05	6.6	1	5.3	1	2.9	0.43
A39411	< 2	< 0.5	3.4	42	2.5	1.4	31.7	59.7	6.83	24.4	4.2	0.5	3.3	0.4	2.2	0.4	1.1	0.16
A39412	< 2	< 0.5	0.8	58	1	2.7	65	120	13.2	48.3	7.9	0.99	6.2	0.9	4.8	0.9	2.7	0.41
A39413	< 2	< 0.5	< 0.2	20	0.9	3	62.2	118	13.3	51.2	9.3	1.67	8.3	1.3	6.5	1.2	3.4	0.5
A39414	< 2	< 0.5	< 0.2	4	0.5	2.7	61.8	115	12.4	46.2	7.9	1.82	5.9	1	5	0.9	2.6	0.37
A39415	< 2	1.5	0.5	26	1.8	1.7	32.8	66.6	6.76	25.1	4.4	0.73	3.4	0.6	3	0.6	1.6	0.25
A39416	< 2	< 0.5	0.2	21	0.6	2.8	46	92.2	9.58	35.9	6.4	1.18	5.3	0.9	4.7	0.9	2.4	0.36
A39417	< 2	0.7	0.3	27	0.8	2.8	48.4	92.6	9.93	37.8	6.8	1.3	5.7	0.9	4.8	0.9	2.6	0.37
A39418	< 2	1.1	0.7	45	0.8	2.9	57.3	108	11.5	42.2	6.9	1.22	5	0.8	4.3	0.8	2.3	0.35
A39419	< 2	1.9	1.5	40	0.7	2.1	50.2	95.7	10.4	38.5	6.4	0.93	4.9	0.8	4.2	0.8	2.3	0.35
A39420	< 2	< 0.5	0.4	21	0.6	2.3	57.7	113	12.2	46.1	7.8	1.28	6.2	1	5.3	0.9	2.8	0.41
A39421	< 2	0.8	2.5	13	0.6	1.2	32.3	65.8	7.11	27.3	5.5	0.78	4.5	0.7	3.5	0.6	1.6	0.24
A39422	< 2	< 0.5	1.3	20	1.1	1.9	38.4	83.5	8.61	33.2	6.5	0.97	6.4	1.2	7.1	1.3	3.7	0.51
A39423	< 2	0.5	1.1	25	0.7	1.6	32.4	73	6.91	25.9	4.6	0.78	3.5	0.6	3.2	0.6	1.8	0.27
A39424	< 2	2.8	1.4	85	1.3	0.8	31.2	67.2	7.14	27.3	5.1	1.09	4	0.6	2.9	0.5	1.4	0.19
A39425	< 2	13.1	1	25	1.7	1.4	54.5	111	12.2	46.3	8.4	1	6.5	1.1	5.6	1	3.1	0.47
A39426	< 2	< 0.5	0.4	21	0.5	2.4	57.7	119	12.9	48.6	8.7	1.05	7	1.2	6.8	1.3	3.9	0.57
A39427	< 2	< 0.5	0.7	20	0.8	2.2	58.8	124	13.4	51.1	9.4	1.11	7.6	1.2	6.7	1.2	3.7	0.56
A39428	< 2	< 0.5	3.6	123	0.6	< 0.5	24	53.1	6.15	25.5	5.2	1.01	5.2	0.9	4.5	0.8	2.2	0.31
A39429	< 2	< 0.5	1.7	104	1.1	< 0.5	19.8	44.3	5.22	22.2	4.7	1.07	4.8	0.8	4	0.7	1.9	0.27
A39430	< 2	9.7	8	329	1.7	< 0.5	18.8	44.7	5.42	23.3	5	0.96	5.2	0.9	4.6	0.8	2.3	0.32
A39431	< 2	< 0.5	1	88	0.6	< 0.5	20.6	46.2	5.47	23.6	5	0.96	4.9	0.8	4	0.7	2	0.29
A39432	3	10.9	8.8	126	1.9	1.5	39.1	77.1	8.55	32.3	6	1.03	4.9	0.8	4.3	0.8	2.3	0.36
A39433	< 2	13.7	10	217	1.7	0.9	20.1	42.3	4.72	19.1	3.8	0.72	3.6	0.6	3.2	0.6	1.6	0.24
A39434	< 2	< 0.5	1.4	51	0.6	< 0.5	24.3	50.8	5.77	23.6	4.9	1.03	4.7	0.7	3.7	0.6	1.7	0.25
A39435	< 2	< 0.5	0.2	28	< 0.5	1.8	32.8	70	7.24	27.5	4.8	0.7	3.9	0.7	3.5	0.6	1.9	0.29
A39436	< 2	0.6	< 0.2	26	< 0.5	2.1	34.8	71.6	7.42	27.4	4.7	0.63	3.3	0.6	3.2	0.6	1.8	0.29
A39437	2	15.4	2.7	13	0.7	1.2	33.6	67.7	6.89	26.1	4.7	0.8	3.7	0.7	3.6	0.7	2	0.31
A39438	< 2	0.8	0.6	22	0.6	2.4	52.1	101	10.6	40	7	1	5.3	0.9	4.2	0.8	2.2	0.33
A39439	< 2	1.1	0.3	18	0.6	1.7	36.4	75.3	7.76	29.2	5.1	0.69	4.2	0.7	3.5	0.6	2	0.31
A39440	< 2	< 0.5	0.2	25	0.9	2.7	65.2	124	13.5	50	8.5	1.09	6.9	1.1	5.9	1.1	3.2	0.48
A39441	< 2	0.8	1.7	12	0.8	1	26.7	57.6	6.09	24	5.2	0.84	6.1	1	5.2	0.9	2.7	0.39
A39442	< 2	6	2.3	27	1.3	2	28.7	60.2	6.28	23.9	4.5	0.64	4.4	0.7	3.8	0.7	2	0.3
A39443	< 2	< 0.5	0.4	26	0.6	2.6	40.6	80.9	8.74	32.8	6	0.81	5.2	0.8	4.3	0.8	2.4	0.36
A39444	< 2	0.7	0.5	83	< 0.5	1.9	34.5	70	7.58	29.3	5.3	0.78	4.7	0.7	3.9	0.7	2.1	0.31
A39445	< 2	< 0.5	0.3	30	0.6	3	40.2	81.4	8.64	32.3	5.6	0.89	4.8	0.7	3.8	0.7	2.1	0.33
A39446	< 2	< 0.5	< 0.2	10	0.8	1.5	26.2	53.6	5.43	19.7	3.3	0.64	2.6	0.5	2.4	0.4	1.4	0.23
A39447	< 2	0.5	< 0.2	9	0.9	1.4	28.2	58.6	6.06	21.8	3.7	0.68	3	0.5	2.4	0.5	1.5	0.23
A39448	< 2	< 0.5	< 0.2	9	0.6	2.9	45.9	95.8	9.95	37.2	6.1	1.27	4.6	0.8	4.1	0.8	2.5	0.43

Element:	Mo	Ag	In	Sn	Sb	Cs	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	2	0.5	0.2	1	0.5	0.5	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
A39449	< 2	8.7	0.6	6	0.9	1.6	21.6	41.5	4.45	16.4	2.9	0.63	2.5	0.4	2.1	0.4	1.1	0.17
A39450	< 2	< 0.5	1.4	4	< 0.5	0.7	22.8	47.8	5	19.1	3.7	0.57	3.2	0.5	2.5	0.5	1.3	0.21
A39451	< 2	0.8	< 0.2	4	0.5	3.7	42.8	82.9	8.93	33.4	5.7	1.16	4.8	0.8	3.9	0.7	2.1	0.32
A20901	21	< 0.5	< 0.2	1	0.8	3.7	25.8	46.8	5.47	20.7	3.8	0.81	3.5	0.5	2.9	0.6	1.7	0.26
A20902	2	< 0.5	< 0.2	< 1	0.7	< 0.5	10.9	24.4	2.22	8.7	1.8	0.95	1.5	0.3	1.5	0.3	0.8	0.12
A20903	< 2	< 0.5	< 0.2	6	0.8	5.4	71.8	140	14.9	55.1	9.3	1.45	5.3	1	6.2	1.2	3.3	0.5
A20904	< 2	< 0.5	< 0.2	28	0.6	1.1	24.5	53.4	6.22	26.8	5.9	1.67	5	0.9	5.2	1	2.5	0.35
A20905	< 2	< 0.5	< 0.2	2	0.9	1.1	15	32	3.7	16.1	3.5	1.27	3.1	0.6	3.3	0.6	1.6	0.22
A20906	< 2	< 0.5	< 0.2	1	0.8	2.2	32.6	70.7	7.14	27.1	4.8	0.89	2.8	0.5	3.2	0.6	1.7	0.27
A20907	< 2	< 0.5	< 0.2	3	0.8	3.3	45.4	90.6	9.69	36.7	6.7	1.39	4.5	0.8	5	0.9	2.6	0.41
A20908	< 2	< 0.5	< 0.2	4	1.3	0.6	12.7	27.6	3.32	14	3.3	1.07	3.3	0.6	3.1	0.6	1.5	0.21
A20909	< 2	< 0.5	< 0.2	2	0.9	4	57.5	115	12.2	45.9	8.3	1.65	5.3	1	6.1	1.1	3.2	0.5
A20910	< 2	< 0.5	< 0.2	< 1	< 0.5	3.7	39	78.8	8.24	30.7	5.7	1.05	3.6	0.7	3.7	0.7	1.7	0.25
A20911	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	7.7	15.2	1.55	6	1.1	0.42	0.7	0.1	0.8	0.1	0.4	< 0.05
A20912	< 2	< 0.5	< 0.2	1	0.7	4.2	75.4	147	15.7	56.7	9.2	1.6	6.1	0.9	4.5	0.8	2.3	0.34
A20913	< 2	< 0.5	< 0.2	2	0.9	4.4	57.2	113	11.9	44.7	7.8	1.52	4.9	0.9	5.4	1	2.8	0.45
A20914	< 2	< 0.5	< 0.2	1	0.6	< 0.5	33	70.1	7.92	34	7.2	2.38	5.7	1	5.5	1	2.5	0.35
A20915	< 2	< 0.5	< 0.2	1	0.8	1.4	8.7	18.9	2.29	10.4	2.6	0.97	2.8	0.5	2.9	0.5	1.4	0.2
A20916	< 2	< 0.5	< 0.2	< 1	0.7	< 0.5	17.7	38.4	4.47	19.6	4.4	1.49	3.9	0.7	3.8	0.7	1.8	0.25
A20917	< 2	< 0.5	< 0.2	22	1.4	0.5	41.4	80	7.74	27.2	4.6	0.52	4.2	0.7	3.9	0.8	2.1	0.31
A20918	< 2	< 0.5	< 0.2	32	0.6	2.3	59	115	11.7	41.6	6.7	1.08	5.3	0.7	3.7	0.7	1.9	0.29
A20919	< 2	< 0.5	1.4	70	2.5	< 0.5	29.2	60.7	6.81	28	5.4	1.45	5.1	0.8	4	0.8	2.1	0.28
A20920	< 2	< 0.5	< 0.2	21	2	2.4	46.9	93.8	9.64	36	6.3	0.89	5.6	0.8	3.8	0.7	2	0.31
A20921	< 2	< 0.5	< 0.2	4	2	2.6	43.8	90	9.01	33	5.6	1.24	4.9	0.7	3.8	0.7	2.2	0.34
A39452	< 2	< 0.5	1.5	3	< 0.5	1	25.6	53.4	5.24	20.1	3.5	0.43	3	0.4	2.3	0.4	1.2	0.18
A39453	< 2	0.8	0.5	21	1.5	2.2	45.8	96.2	9.76	36.4	6.6	1.01	5.7	0.9	4.6	0.9	2.4	0.37

Element:	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.										
A39326	2.1	0.31	2.8	1.1	5	0.6	13	< 0.4	14.5	2.3
A39327	2	0.29	2.9	1.1	2	0.8	16	0.5	14.7	2.1
A39328	0.8	0.11	1	0.3	1	0.1	12	< 0.4	6.2	2.1
A39329	0.3	0.04	1.6	0.4	5	< 0.1	< 5	1.2	3.9	2
A39330	1.1	0.16	1.6	0.7	2	0.3	89	0.7	6.4	1.7
A39331	0.8	0.1	0.6	0.2	1	< 0.1	2350	12.4	2.4	1.4
A39332	2.7	0.39	3.8	1.6	3	0.6	13	< 0.4	16.8	2.8
A39333	2.4	0.33	3.1	1.3	2	1.1	5	< 0.4	17.2	2.2
A39334	1.7	0.24	3.2	1.1	6	0.3	< 5	0.6	11.2	2.3
A39335	2.4	0.33	4.5	2.3	24	0.2	< 5	1.2	6.9	1.9
A39336	2.4	0.34	5.5	2.9	25	0.2	9	1.4	4.6	1.8
A39337	2.5	0.34	6.3	3.5	21	0.3	< 5	0.7	5	1.9
A39338	1.7	0.24	3.4	1.4	11	0.2	7	1.3	10.8	2.2
A39339	1.3	0.18	1.8	0.6	3	0.1	10	4	7.4	1.5
A39340	1.4	0.19	1.4	0.4	1	< 0.1	16	< 0.4	5.5	1.2
A39341	1.5	0.21	2	0.6	1	< 0.1	< 5	0.7	7.6	1.9
A39342	2.3	0.31	3.1	1.3	3	0.7	< 5	< 0.4	12.9	1.9
A39343	2.6	0.37	4.7	2.5	4	0.8	< 5	< 0.4	11.4	3
A39344	1.8	0.27	4.4	1.2	8	0.3	< 5	0.5	11.3	1.9
A39345	2.7	0.38	5.7	1.3	8	0.7	< 5	< 0.4	15.3	3.6
A39346	2.4	0.34	5.8	1.6	6	1.9	8	< 0.4	11.7	3.7
A39347	2.7	0.38	6.1	1.6	6	1.6	6	< 0.4	11.2	3.7
A39348	1.5	0.22	5.7	0.7	4	0.8	54	2.8	9.3	2.1
A39349	3	0.41	4.3	1.2	7	1.1	< 5	< 0.4	15.5	3.7
A39350	1.6	0.23	5	0.7	2	0.6	34	2.9	10.1	2.4
A39351	1.1	0.15	2.3	0.4	< 1	0.5	60	< 0.4	4.9	1.4
A39352	2.3	0.32	2.5	0.8	2	1.1	1280	0.6	9.6	2.9
A39353	3.6	0.5	3.8	1.3	5	0.7	7	< 0.4	17.4	4.5
A39354	1.1	0.15	1.7	0.7	6	< 0.1	29	< 0.4	2.9	0.9
A39355	1.4	0.18	2.3	1	12	< 0.1	69	0.5	3.1	0.9
A39356	2	0.28	4.7	0.9	1	0.6	2110	< 0.4	10.8	2.6
A39357	1.7	0.23	3.9	0.9	3	0.8	134	< 0.4	9.8	2.2
A39358	1.4	0.19	2.5	0.8	3	0.5	22	< 0.4	7.5	2.5
A39359	1	0.14	2	0.6	2	0.2	16	1.3	6.1	1.9
A39360	0.4	0.06	1.2	0.4	3	< 0.1	< 5	0.6	3.3	1.5
A39361	1.8	0.25	3.3	1	4	0.6	151	7.6	11.5	3.2
A39362	2.4	0.34	4.8	1.1	3	0.9	< 5	0.8	14	3.4
A39363	0.9	0.12	1.8	0.8	5	< 0.1	12	< 0.4	1.1	0.4
A39364	1.7	0.23	2.8	0.9	11	0.2	28	1.4	2.7	1
A39365	1.6	0.23	2.9	1.1	11	0.2	125	8.8	3	1.1
A39366	1.4	0.21	2.8	1.1	14	< 0.1	42	1.6	2	0.8

Element:	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.										
A39367	1.5	0.21	2.9	1.2	16	< 0.1	82	3.1	2.5	0.9
A39368	2.8	0.39	5.4	1.2	4	1.5	11	0.7	13.7	4
A39369	2.1	0.31	7.8	1	3	0.9	6	< 0.4	15.5	3.5
A39370	1.1	0.16	7	0.5	3	0.4	281	11.1	14	2
A39371	0.9	0.13	3.5	0.3	4	0.6	> 10000	382	6.1	1.3
A39372	3	0.43	7.6	1.2	6	1	80	3.8	17.8	3.6
A39373	2.1	0.29	6	0.8	4	0.7	66	10.2	13.7	2.9
A39374	2.1	0.28	4.5	1.6	6	0.4	20	0.4	5.4	2.5
A39375	2.5	0.34	6.6	0.9	5	0.3	1550	56.4	13.4	3.5
A39376	1	0.13	2.6	0.5	1	< 0.1	219	0.6	4.9	1.5
A39377	1.6	0.23	5.6	4.7	5	0.4	9	< 0.4	8.6	2.4
A39378	1.8	0.24	5.1	4.7	6	0.3	10	< 0.4	7.8	2.4
A39379	1.2	0.15	2.9	1.1	2	0.1	150	0.5	5.1	1.4
A39380	1.9	0.25	4.1	2.6	3	0.2	14	< 0.4	7.9	2.1
A39381	2.5	0.35	4.4	1.3	3	0.9	23	0.4	13.7	3.7
A39382	0.4	0.05	0.3	< 0.1	< 1	< 0.1	264	0.9	0.8	0.2
A39383	1.9	0.24	3.9	1.8	2	0.4	< 5	< 0.4	2.4	0.8
A39384	1.9	0.25	4.1	1.9	1	0.2	5	< 0.4	2.4	0.8
A39385	1.7	0.22	3.4	1.7	< 1	0.2	< 5	< 0.4	2.1	0.6
A39386	1.6	0.21	3.3	1.5	< 1	< 0.1	< 5	< 0.4	1.9	0.8
A39387	1.7	0.22	3.5	1.6	1	0.1	6	< 0.4	2	0.8
A39388	1.4	0.2	3.1	1.3	1	0.3	12	< 0.4	2.1	0.9
A39389	1.3	0.18	2.8	1.3	1	0.3	9	< 0.4	2.1	0.7
A39390	1.7	0.24	4	1.8	2	0.7	6	< 0.4	2.7	0.9
A39391	1.7	0.24	3.7	1.8	2	0.8	9	< 0.4	2.5	0.9
A39392	1.9	0.27	5.2	0.9	2	1.8	67	0.9	11.5	2.8
A39393	2	0.29	4.7	0.9	6	1.5	257	4.5	12.4	3.3
A39394	1.7	0.23	2	0.7	13	0.7	154	3.8	7.9	2.3
A39395	0.7	0.1	0.6	0.2	6	0.2	324	13.1	2.3	1.8
A39396	0.7	0.1	0.6	0.2	6	< 0.1	99	1.1	2	1.7
A39397	1	0.13	1.5	0.4	9	< 0.1	45	12.1	4.7	2
A39398	1.6	0.24	2.4	0.9	8	0.6	17	< 0.4	9.8	1.9
A39399	1.7	0.24	2.3	0.9	10	0.6	59	2.3	8.9	2.3
A39400	1.9	0.26	2.5	1.1	10	0.5	96	5.7	10.4	2
A39401	2.3	0.31	2.8	1.2	9	0.9	105	9.7	12.5	2.6
A39402	2.2	0.32	3.5	1.3	9	1.5	71	1	13	2.1
A39403	2.5	0.35	4.6	2.5	9	1.1	124	0.9	12.9	2.3
A39404	2.1	0.3	3.5	1.7	11	1.2	779	3.9	14.4	2.6
A39405	2.1	0.3	3.5	1.4	8	1.1	577	1.4	12.2	1.9
A39406	2.7	0.37	4.9	2	7	1.7	328	1.3	18.2	3.6
A39407	2.6	0.36	5.2	2.1	7	2	416	1.9	17.1	3.3

Final Report
Activation Laboratories

Element:	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.										
A39408	2.8	0.39	5.4	2.1	8	2	175	4.2	17.3	3.7
A39409	2.4	0.33	5.1	1.4	5	1.1	109	11.7	11.6	2.7
A39410	2.6	0.38	5.2	2	7	1.6	145	2.7	17.4	3.7
A39411	1	0.15	2.4	0.8	4	0.6	1130	1.6	8.2	1.6
A39412	2.6	0.36	5.4	1.9	8	1.4	1150	1.8	18.7	5
A39413	3.1	0.43	4.9	1.7	4	1.8	143	1.4	17.6	3.6
A39414	2.4	0.34	5	2.6	3	1.5	148	< 0.4	14.5	3.6
A39415	1.5	0.21	2.2	0.9	9	0.6	1270	10.7	9.2	1.6
A39416	2.2	0.29	3.1	1.3	9	0.4	58	1.6	10.7	4.1
A39417	2.3	0.32	4.4	1.6	9	0.8	756	7	13.4	3
A39418	2.2	0.32	4.5	1.8	11	0.9	1060	5.4	16.3	2.6
A39419	2.2	0.3	4	1.6	7	0.7	1240	14.5	13.5	2.2
A39420	2.5	0.35	4.5	1.9	9	0.3	342	3.8	13.5	2.9
A39421	1.4	0.19	2.4	0.7	16	0.2	256	3.3	8.3	2.9
A39422	2.9	0.38	3.4	1	16	0.4	135	5.4	10.3	3.2
A39423	1.7	0.25	2.2	0.8	9	0.4	265	7.8	8.7	2.7
A39424	1.2	0.17	2	0.7	13	< 0.1	555	37.9	7.2	2.8
A39425	2.8	0.41	4.5	2	5	0.3	8420	105	13.7	2
A39426	3.5	0.49	4.7	1.8	6	0.4	526	2.5	15.9	3.5
A39427	3.4	0.48	5.1	2.2	6	0.5	776	2.7	15.2	3.6
A39428	1.8	0.23	3.7	2	31	< 0.1	161	1.3	3.4	0.9
A39429	1.6	0.22	3.7	1.9	26	< 0.1	53	0.5	3.1	0.7
A39430	1.8	0.25	4.1	2.1	57	< 0.1	507	1.7	3	0.8
A39431	1.7	0.24	4	2.1	47	< 0.1	76	< 0.4	3.5	1
A39432	2.2	0.3	4	1.3	21	0.3	101	4.3	10.2	2.2
A39433	1.4	0.19	4.1	1	16	0.2	2690	7.9	5.1	1.1
A39434	1.5	0.21	3.5	1.5	19	0.1	85	2	4.3	1.3
A39435	1.7	0.24	4.9	0.9	7	0.5	35	0.8	11	2.3
A39436	1.8	0.26	5	1.1	6	0.7	10	< 0.4	11.3	2.2
A39437	2	0.28	6.3	3.3	8	0.4	997	59.8	11.4	2.9
A39438	2.1	0.3	4.2	1.8	7	0.6	271	7.8	14.5	3.2
A39439	1.9	0.26	3.8	1	7	0.4	200	8.5	13	2.6
A39440	2.8	0.4	3.4	1.5	5	0.9	28	1.8	15.1	2.6
A39441	2.3	0.32	1.5	0.6	4	0.3	262	4	10.2	2.7
A39442	1.9	0.27	1.8	0.7	4	0.4	910	14	10.3	2
A39443	2.2	0.33	2.7	0.8	6	0.7	59	1.1	13.4	2.3
A39444	1.9	0.28	4.9	1.4	25	0.5	228	1.1	10.6	2.3
A39445	2.1	0.29	5.2	1	5	0.9	41	2	13.4	2.6
A39446	1.5	0.22	6.6	0.6	3	0.5	18	< 0.4	12.6	2.5
A39447	1.5	0.22	6.1	0.7	3	0.4	15	< 0.4	12.8	2.4
A39448	2.7	0.4	8.9	1.3	5	0.8	225	2.4	20	4.7

Element:	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.										
A39449	1.1	0.16	2.4	0.4	1	0.6	3650	19.7	7.7	1.8
A39450	1.3	0.18	5.7	0.5	2	0.2	27	2	10.6	1.8
A39451	2	0.29	3.8	0.8	2	0.7	846	3.4	15.4	3.7
A20901	1.7	0.24	1.9	0.7	1	0.6	< 5	< 0.4	7.5	6.9
A20902	0.7	0.1	1.4	0.2	< 1	0.2	33	< 0.4	2.5	1.6
A20903	3.1	0.45	4	1.6	3	1.6	6	< 0.4	19.6	3.2
A20904	2.1	0.29	4.3	1.9	11	0.3	7	1.1	2.9	0.8
A20905	1.3	0.18	2.4	1	10	0.3	6	< 0.4	1.9	0.7
A20906	1.7	0.25	5.8	0.9	1	0.8	12	< 0.4	13.3	2.5
A20907	2.5	0.36	4.7	1	3	0.8	6	< 0.4	13.3	3.2
A20908	1.3	0.18	2.3	0.9	3	0.1	< 5	< 0.4	2.2	0.8
A20909	3.1	0.45	5.3	1.8	4	0.8	7	< 0.4	16	3.1
A20910	1.6	0.21	3.8	1	< 1	1	< 5	< 0.4	14.8	2.4
A20911	0.3	< 0.04	0.5	0.2	< 1	< 0.1	< 5	< 0.4	1.4	1
A20912	2.3	0.33	3.5	1.8	2	0.9	7	0.4	20.1	2.6
A20913	2.9	0.4	3.5	1.5	1	1	< 5	< 0.4	16	2.3
A20914	2.2	0.3	5.4	2.9	1	< 0.1	< 5	< 0.4	4.5	1.1
A20915	1.2	0.16	2	0.8	2	0.3	7	< 0.4	1.3	0.4
A20916	1.6	0.21	3.2	1.4	< 1	0.2	6	< 0.4	2.2	0.9
A20917	1.9	0.26	2.3	1	9	0.2	< 5	< 0.4	10.1	2.9
A20918	1.9	0.28	2.8	2	6	0.6	19	< 0.4	14.4	2.5
A20919	1.7	0.24	4.3	2.1	14	< 0.1	38	< 0.4	3.9	1.2
A20920	2	0.29	5.2	1	6	0.7	10	0.4	14.7	2.3
A20921	2.3	0.34	6.6	1.3	5	0.9	6	< 0.4	16.1	4
A39452	1.1	0.16	1.8	0.6	15	< 0.1	159	< 0.4	6.3	2.3
A39453	2.2	0.32	3.1	1.1	13	0.4	173	6	12.1	2.4

Element:	Ag	Cu	Zn	Pb	Au
Units:	%	%	%	%	ppb
Detection Limit:	0.001	0.001	0.001	0.003	5
Reference Method:	ICP-OES	ICP-OES	ICP-OES	ICP-OES	FA-AA
Client I.D.					
A39326	--	--	--	--	< 5
A39327	--	--	--	--	< 5
A39328	--	--	--	--	< 5
A39329	--	--	--	--	137
A39330	--	--	--	--	< 5
A39331	--	--	--	--	9
A39332	--	--	--	--	< 5
A39333	--	--	--	--	< 5
A39334	--	--	--	--	< 5
A39335	--	--	--	--	24
A39336	--	--	--	--	6
A39337	--	--	--	--	< 5
A39338	--	--	--	--	31
A39339	--	1.39	--	--	52
A39340	--	--	--	--	< 5
A39341	--	--	--	--	< 5
A39342	--	--	--	--	< 5
A39343	--	--	--	--	< 5
A39344	--	--	--	--	13
A39345	--	--	--	--	< 5
A39346	--	--	--	--	13
A39347	--	--	--	--	< 5
A39348	--	--	--	--	12
A39349	--	--	--	--	< 5
A39350	--	--	--	--	9
A39351	--	--	--	--	< 5
A39352	--	--	--	--	< 5
A39353	--	--	--	--	< 5
A39354	--	--	--	--	< 5
A39355	--	--	--	--	< 5
A39356	--	--	--	0.713	< 5
A39357	--	--	--	--	< 5
A39358	--	--	--	--	< 5
A39359	--	--	--	--	< 5
A39360	--	--	--	--	10
A39361	--	--	--	--	< 5
A39362	--	--	--	--	< 5
A39363	--	--	--	--	< 5
A39364	--	--	--	--	< 5
A39365	--	--	--	--	23
A39366	--	--	--	--	8
A39367	--	--	--	--	< 5
A39368	--	--	--	--	< 5
A39369	--	--	--	--	< 5
A39370	--	--	--	--	< 5
A39371	0.01	1.49	6.5	2.61	41
A39372	--	--	--	--	< 5
A39373	--	--	--	--	< 5
A39374	--	--	--	--	< 5
A39375	--	--	--	--	< 5
A39376	--	--	--	--	< 5
A39377	--	--	--	--	< 5
A39378	--	--	--	--	< 5
A39379	--	--	--	--	< 5
A39380	--	--	--	--	< 5
A39381	--	--	--	--	< 5
A39382	--	--	--	--	< 5
A39383	--	--	--	--	< 5
A39384	--	--	--	--	< 5
A39385	--	--	--	--	< 5
A39386	--	--	--	--	< 5
A39387	--	--	--	--	< 5
A39388	--	--	--	--	7
A39389	--	--	--	--	6
A39390	--	--	--	--	< 5
A39391	--	--	--	--	< 5
A39392	--	--	--	--	< 5
A39393	--	--	--	--	< 5
A39394	--	--	--	--	5
A39395	--	--	--	--	13
A39396	--	--	--	--	23
A39397	--	--	--	--	54
A39398	--	--	--	--	< 5
A39399	--	--	--	--	< 5
A39400	--	--	--	--	5
A39401	--	--	--	--	< 5
A39402	--	--	--	--	< 5
A39403	--	--	--	--	< 5
A39404	--	--	--	--	< 5
A39405	--	--	--	--	< 5
A39406	--	--	--	--	< 5
A39407	--	--	--	--	< 5
A39408	--	--	--	--	< 5
A39409	--	--	--	--	10
A39410	--	--	--	--	< 5
A39411	--	--	--	--	14
A39412	--	--	--	--	11
A39413	--	--	--	--	< 5
A39414	--	--	--	--	< 5
A39415	--	--	--	--	28
A39416	--	--	--	--	< 5
A39417	--	--	--	--	< 5
A39418	--	--	--	--	< 5

Element:	Ag	Cu	Zn	Pb	Au
Units:	%	%	%	%	ppb
Detection Limit:	0.001	0.001	0.001	0.003	5
Reference Method:	ICP-OES	ICP-OES	ICP-OES	ICP-OES	FA-AA
Client I.D.					
A39419	--	--	--	--	< 5
A39420	--	--	--	--	< 5
A39421	--	--	--	--	22
A39422	--	--	--	--	9
A39423	--	--	--	--	16
A39424	--	--	--	--	13
A39425	--	--	1.14	--	13
A39426	--	--	--	--	< 5
A39427	--	--	--	--	< 5
A39428	--	--	--	--	20
A39429	--	--	--	--	9
A39430	--	--	--	--	93
A39431	--	--	--	--	< 5
A39432	--	--	--	--	172
A39433	--	--	--	--	489
A39434	--	--	--	--	30
A39435	--	--	--	--	< 5
A39436	--	--	--	--	< 5
A39437	--	--	--	--	27
A39438	--	--	--	--	< 5
A39439	--	--	--	--	5
A39440	--	--	--	--	< 5
A39441	--	--	--	--	8
A39442	--	--	--	--	36
A39443	--	--	--	--	< 5
A39444	--	--	--	--	< 5
A39445	--	--	--	--	< 5
A39446	--	--	--	--	< 5
A39447	--	--	--	--	< 5
A39448	--	--	--	--	6
A39449	--	--	--	0.84	6
A39450	--	--	--	--	17
A39451	--	--	--	--	< 5
A20901	--	--	--	--	< 5
A20902	--	--	--	--	< 5
A20903	--	--	--	--	< 5
A20904	--	--	--	--	< 5
A20905	--	--	--	--	12
A20906	--	--	--	--	< 5
A20907	--	--	--	--	< 5
A20908	--	--	--	--	< 5
A20909	--	--	--	--	< 5
A20910	--	--	--	--	< 5
A20911	--	--	--	--	< 5
A20912	--	--	--	--	< 5
A20913	--	--	--	--	< 5
A20914	--	--	--	--	< 5
A20915	--	--	--	--	< 5
A20916	--	--	--	--	< 5
A20917	--	--	--	--	43
A20918	--	--	--	--	39
A20919	--	--	--	--	7
A20920	--	--	--	--	< 5
A20921	--	--	--	--	< 5
A39452	--	--	--	--	28
A39453	--	--	--	--	5

Quality Analysis ... **Actlabs** *Innovative Technologies*

Date Submitted:	6/5/2006 1:26:14 PM
Invoice No.:	A06-1754
Invoice Date:	6/30/2006
Your Reference:	FRANK CREEK

Barker Minerals
22117 37A Ave.
Langley British Columbia V2Z 1N9
Canada

ATTN: Louis Doyle

CERTIFICATE OF ANALYSIS

175 Rock samples were submitted for analysis.

The following analytical packages were requested:

REPORT **A06-1754**

Code 1G Hg-Cold Vapour FIMS(HGFIMS)
Code 4B1 Total Digestion ICP (TOTAL)
Code 4LITHO (11+) Major Elements Fusion ICP(WRA)/Trace Elements Fusion ICP/MS(WRA4B2)

Notes:
Unaltered silicates and resistate minerals may not be dissolved. Values which exceed upper limit should be assayed.
Values which exceed the upper limit should be assayed for accurate numbers.
We recommend using option 4B1 for accurate levels of the base metals Cu, Pb, Zn, Ni and Ag.
Option 4B-INAA for As, Sb, high W >100ppm, Cr >1000ppm and Sn >50ppm by Code 5D.
Values for these elements provided by Fusion ICP/MS, are order of magnitude only and are provided for general information. Mineralized samples should have the Quant option selected or request assays for values which exceed the range of option 4B1. Total includes all elements in % oxide to the left of total.

CERTIFIED BY :

C. Douglas Read, B.Sc.
Laboratory Manager

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL ancaster@actlabsint.com ACTLABS GROUP WEBSITE http://www.actlabsint.com

Report: A06-1754

Final Report
Activation Laboratories

Element:	Hg	Cd	Cu	Ni	Zn	S	Ag	Pb	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI
Units:	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%
Detection Limit:	5	0.5	1	1	1	0.001	0.3	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	
Reference Method:	Hg-FIMS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
Client I.D.																			
34026	8	< 0.5	36	46	78	0.087	< 0.3	< 5	78.07	6.57	5.22	0.074	1.79	1.73	0.49	1.05	0.74	0.17	4.203
34027	< 5	< 0.5	23	19	40	0.058	0.4	7	83.86	5.72	3.18	0.049	0.8	0.82	0.27	1.21	0.399	0.07	2.52
34028	23	< 0.5	62	127	142	0.357	< 0.3	10	50.45	12.87	12.37	0.195	4.09	4.57	0.9	1.89	1.583	0.34	9.575
34029	8	< 0.5	38	47	95	0.306	0.4	41	57.89	21.57	6.35	0.062	1.35	0.27	0.64	5.23	0.882	0.15	4.745
34030	17	< 0.5	15	28	63	0.102	< 0.3	10	79.8	8.35	4.75	0.056	1.25	0.39	0.21	1.95	0.438	0.08	3.492
34031	9	< 0.5	26	28	67	0.134	0.7	18	74.7	9.48	5.37	0.06	1.4	0.4	0.44	2.25	0.472	0.09	4.269
34032	21	< 0.5	43	39	83	1.27	< 0.3	34	63.94	16.71	6.04	0.056	1.35	0.29	0.44	4.29	0.741	0.11	5.461
34033	8	< 0.5	25	37	72	0.215	< 0.3	27	70.94	12.45	5.72	0.062	1.58	0.37	0.32	3.02	0.584	0.11	4.52
34034	18	< 0.5	30	45	85	1.38	0.7	113	70.97	12.28	6.39	0.049	1.55	0.71	0.3	2.95	0.552	0.09	5.063
34035	9	< 0.5	29	38	75	0.223	0.3	20	69.79	12.96	5	0.046	1.47	0.44	0.32	3.23	0.608	0.12	4.626
34036	13	< 0.5	13	21	58	0.075	< 0.3	13	81.01	6.69	3.82	0.048	1.18	0.94	0.18	1.58	0.378	0.07	3.911
34037	7	< 0.5	19	30	58	0.084	< 0.3	19	78.37	8.29	4.7	0.06	1.36	0.76	0.29	1.92	0.387	0.07	4.168
34038	13	< 0.5	34	46	86	0.114	< 0.3	30	65.61	15.24	6.53	0.067	1.77	0.56	0.41	3.73	0.608	0.12	5.777
34039	15	< 0.5	26	29	78	0.011	0.5	41	66.24	14.99	5.03	0.05	1.56	0.83	0.36	4.11	0.517	0.1	5.485
34040	17	< 0.5	32	41	96	0.007	0.3	22	54.1	22.03	6.58	0.054	2	0.46	0.43	6.04	0.743	0.12	6.613
34041	8	< 0.5	17	18	49	0.02	0.4	14	78.74	9.84	3.28	0.034	1.01	0.67	0.22	2.75	0.352	0.07	3.731
34042	10	< 0.5	18	31	71	0.017	0.7	14	61.17	18.42	5.17	0.05	1.63	0.55	0.46	5.01	0.674	0.11	5.551
34043	9	< 0.5	14	32	69	0.041	0.4	18	69.53	14.67	4.61	0.04	1.49	0.65	0.34	3.8	0.56	0.1	4.548
34044	20	< 0.5	29	38	76	0.24	0.7	33	70.57	13.71	4.75	0.041	1.27	0.37	0.35	3.75	0.601	0.1	4.591
34045	15	< 0.5	39	48	91	0.383	0.9	13	58.79	17.14	7.71	0.082	2.03	0.41	0.49	4.52	0.773	0.1	6.892
34046	9	< 0.5	26	42	68	0.18	0.7	141	65.29	14.88	5.83	0.059	1.67	0.62	0.37	4.06	0.565	0.1	5.502
34047	17	< 0.5	43	45	92	0.253	0.4	28	65.57	15.41	6.37	0.052	1.79	0.35	0.37	4.11	0.649	0.11	5.476
34048	16	< 0.5	37	51	87	0.051	0.4	28	58	18.75	6.84	0.047	2.08	0.43	0.35	5.09	0.72	0.14	6.088
34049	7	< 0.5	17	22	43	0.025	< 0.3	12	83.47	6.16	3.17	0.03	0.89	0.34	0.19	1.46	0.331	0.07	2.779
34050	8	< 0.5	12	18	38	0.014	0.5	< 5	85.74	5.3	2.91	0.034	0.83	0.44	0.33	1.18	0.289	0.06	2.588
34051	10	< 0.5	23	33	54	0.086	< 0.3	12	75.73	10.05	3.85	0.042	1.15	0.54	0.59	2.57	0.512	0.09	3.882
34052	11	< 0.5	29	82	73	0.106	< 0.3	14	67.81	10.96	5.87	0.065	2.33	1.73	1.02	2.18	0.79	0.11	5.851
34053	9	< 0.5	35	67	64	0.231	< 0.3	17	61.92	13.38	6.06	0.077	2.39	2.4	1	3.18	0.857	0.17	7.248
34054	19	< 0.5	42	89	95	0.534	0.5	29	54.67	15.67	7.58	0.086	3.41	3.42	1.21	3.52	1.008	0.16	8.659
34055	30	< 0.5	47	52	120	1.17	0.6	32	60.21	17.02	7.55	0.051	2.21	0.52	1.24	4.04	0.813	0.12	6.207
34056	9	< 0.5	18	24	56	0.317	0.3	10	78.05	8.06	4.23	0.043	1.55	1.29	1.17	1.45	0.478	0.08	3.921
34057	9	< 0.5	31	41	77	0.578	0.7	19	68.61	13.75	5.33	0.032	1.82	0.74	0.97	3.13	0.667	0.11	3.88
34058	12	< 0.5	17	25	54	0.368	0.6	11	77.16	8.22	3.7	0.043	1.42	1.34	1.34	1.47	0.428	0.09	3.577
34059	14	< 0.5	26	33	60	0.994	0.5	17	73.72	9.49	4.75	0.051	1.65	1.57	1.01	1.92	0.483	0.08	4.826
34060	36	< 0.5	73	72	104	3.13	1	36	54.33	17.84	8.93	0.047	2.18	1.13	0.23	4.76	0.824	0.12	8.574
34061	15	< 0.5	21	25	50	0.496	0.6	5	74.74	11.26	3.58	0.03	1.23	1.11	0.25	2.63	0.583	0.09	4.828
34062	11	< 0.5	21	23	59	1.02	< 0.3	16	62.25	13.23	4.5	0.078	2.26	4.23	0.17	3.72	0.446	0.34	8.973
34063	38	1	11	18	97	1.13	0.4	26	69.43	12.65	2.6	0.041	1.86	2.32	0.24	3.45	0.373	0.24	6.866
34064	56	1.6	40	20	135	1.29	1	39	68.46	13.76	2.2	0.028	1.73	1.76	0.21	3.95	0.388	0.23	6.253
34065	220	13.6	52	91	903	1.72	1.6	47	79.42	6.9	2.77	0.018	0.86	1.33	0.11	2.13	0.3	0.44	5.991
34066	38	0.7	20	11	67	0.562	0.5	21	72.55	12.8	2.04	0.026	1.5	1.69	0.18	3.43	0.345	0.24	5.632
34067	236	12.2	35	79	951	1.42	1.3	28	79.15	8.05	2.24	0.018	0.95	0.98	0.09	2.42	0.292	0.19	6.017
34068	392	20.3	43	89	1340	1.37	1.8	33	82.19	6.45	2.14	0.015	0.83	0.88	0.07	1.89	0.247	0.14	5.606
34069	519	18.4	49	82	1250	1.02	2.7	27	76.89	5.16	1.84	0.038	1.77	3.26	0.09	1.6	0.235	0.51	8.222
34070	382	14.3	83	91	924	0.968	1.1	22	79.45	5.06	1.65	0.03	1.57	2.44	0.09	1.54	0.238	0.39	7.046
34071	263	5.4	37	95	493	1.42	1.7	23	82.25	5.85	2.05	0.013	0.85	0.84	0.07	1.78	0.265	0.13	6.005
34072	63	0.7	15	13	92	1.19	0.6	26	70.94	13.14	2.37	0.022	1.24	1.44	1.47	2.99	0.379	0.16	4.677
34073	53	1.3	32	73	165	1.6	0.6	36	75.19	9.45	3.27	0.02	1.32	1.03	0.21	2.37	0.407	0.15	6.297
34074	278	6.2	50	110	453	2.11	1.6	36	74.91	9.19	3.36	0.016	1.22	1	0.08	2.42	0.388	0.17	7.269

Report: A06-1754

Final Report
Activation Laboratories

Element:	Hg	Cd	Cu	Ni	Zn	S	Ag	Pb	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI
Units:	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%
Detection Limit:	5	0.5	1	1	1	0.001	0.3	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	
Reference Method:	Hg-FIMS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
Client I.D.																			
34075	100	1.2	24	24	122	1.15	1.4	37	72.18	12.29	2.56	0.022	1.39	1.58	1.59	2.66	0.414	0.29	5.229
34076	77	1.2	32	71	150	1.49	0.6	21	74.34	8.47	2.73	0.022	1.17	3.1	0.09	2.34	0.407	0.16	7.503
34077	38	< 0.5	28	47	89	1.12	< 0.3	15	62.68	8.77	3.49	0.072	3.8	6.06	0.71	2.11	0.383	0.14	11.79
34078	30	< 0.5	25	25	53	1.08	< 0.3	14	55.33	9.23	3.95	0.049	1.83	12.91	0.36	1.91	0.438	0.1	13.37
34079	19	< 0.5	30	19	35	0.982	< 0.3	14	44.28	7.32	2.85	0.052	1.63	21.24	0.43	1.68	0.338	0.13	19.39
34080	28	< 0.5	23	45	38	1.1	< 0.3	9	28.88	7.23	2.79	0.042	0.89	30.56	0.16	2.04	0.517	0.18	25.39
34081	27	< 0.5	28	48	67	2.06	< 0.3	18	56.18	10.22	3.9	0.028	1.04	12.7	0.22	2.72	0.611	0.17	11.92
34082	21	< 0.5	12	24	28	1.04	< 0.3	11	24.72	5.92	2.36	0.043	1.04	34.08	0.32	1.49	0.33	0.16	28.32
34083	20	< 0.5	21	24	32	1.44	< 0.3	13	32.03	5.15	2.68	0.041	0.79	30.64	0.12	1.43	0.291	0.12	25.26
34084	19	< 0.5	17	22	32	0.908	< 0.3	14	22.48	5.17	2.44	0.057	1.7	35.08	0.21	1.42	0.3	0.2	29.59
34085	21	< 0.5	11	4	56	0.78	0.6	28	70.08	13.5	2.54	0.033	1.55	2.26	0.21	4.01	0.263	0.11	5.58
34086	37	< 0.5	50	55	134	1.04	< 0.3	11	63.11	17.45	5.7	0.057	2.11	2.16	0.54	4.72	0.751	0.15	2.401
34087	< 5	< 0.5	32	66	69	0.133	< 0.3	17	65.98	11.39	5.07	0.079	2.75	3.31	1.61	2.14	0.706	0.14	6.536
34088	< 5	< 0.5	11	30	56	0.008	0.4	20	68.15	10.79	4.11	0.059	2.56	3.49	2.06	2.12	0.481	0.14	6.617
34089	< 5	< 0.5	46	132	72	0.048	< 0.3	12	57.51	11.64	7.05	0.093	4.18	4.9	1.83	2	1.197	0.22	9.143
34090	< 5	< 0.5	11	30	54	0.009	0.5	15	69.92	14.12	4.03	0.028	1.88	1.19	2.1	2.98	0.647	0.17	3.651
34091	7	< 0.5	29	81	77	0.176	0.5	22	61.17	12.66	6.53	0.123	3.46	3.6	0.87	2.92	0.932	0.15	7.731
34092	5	< 0.5	35	90	78	0.59	< 0.3	20	64.49	13.6	6.42	0.119	2.96	2.18	0.79	3.24	0.624	0.12	6.034
34093	< 5	< 0.5	32	45	84	0.962	0.4	18	66.04	15.58	6.47	0.046	2.24	0.41	0.92	3.79	0.738	0.08	4.017
34094	8	< 0.5	44	52	86	0.43	0.3	18	61.89	17.8	6.48	0.059	2.34	0.57	0.68	4.64	0.75	0.08	5.334
34095	< 5	< 0.5	31	19	45	0.067	0.6	15	78.33	9.22	3.2	0.062	1.22	1.22	1.4	1.85	0.405	0.06	3.714
34096	9	< 0.5	30	42	95	0.159	< 0.3	15	57.45	17.96	6.99	0.076	2.45	1.57	0.77	4.62	0.814	0.52	7.433
34097	< 5	< 0.5	12	19	39	0.056	0.5	12	74.52	8.71	3.5	0.082	1.63	2.24	1.21	2.05	0.395	0.06	5.427
34098	5	< 0.5	21	25	49	0.089	0.5	61	74.51	10.1	3.43	0.061	1.5	1.81	0.65	2.71	0.45	0.06	5.024
34099	7	< 0.5	42	44	89	0.334	0.5	14	64.31	14.35	6.65	0.071	2.19	1.27	1.32	3.37	0.768	0.25	5.933
34100	< 5	< 0.5	20	27	56	0.061	< 0.3	16	72.33	10.78	4.23	0.074	1.72	1.81	1.56	2.39	0.539	0.11	4.886
34101	6	< 0.5	32	41	87	0.16	0.6	39	66	15.2	6.33	0.053	2.23	0.59	1.3	3.5	0.735	0.11	4.32
34102	7	< 0.5	32	42	96	0.108	< 0.3	16	66.04	14.3	6.6	0.049	2.17	0.56	1.35	3.17	0.711	0.3	5.272
34103	6	< 0.5	22	49	82	0.11	< 0.3	17	57.59	14.79	6.35	0.097	2.44	4.39	0.88	3.44	0.849	0.19	8.986
34104	6	< 0.5	24	42	59	0.38	< 0.3	14	54.47	12.38	5.05	0.15	2.13	8.85	0.39	3.35	0.67	0.16	11.77
34105	< 5	< 0.5	23	46	64	0.064	< 0.3	15	46.81	13.85	6.03	0.113	2.26	11.98	0.83	3.04	0.966	0.2	13.92
34106	8	< 0.5	26	50	74	0.364	< 0.3	9	50.54	13.58	5.91	0.126	2.26	9.75	0.56	3.38	0.968	0.19	12.37
34107	7	< 0.5	19	28	42	0.938	< 0.3	22	44.11	7.97	3.23	0.091	1.57	20.14	0.39	2.19	0.376	0.14	18.48
34108	12	< 0.5	11	20	19	0.934	< 0.3	14	24.24	5.16	2.38	0.065	1.59	34.03	0.37	1.37	0.279	0.12	28.94
34109	13	< 0.5	10	20	13	0.961	< 0.3	11	19.07	4.38	2.21	0.071	1.45	37.98	0.41	1.14	0.261	0.12	31.52
34110	32	< 0.5	43	43	71	2.45	0.4	20	74.27	9.32	4.22	0.036	1.06	1.84	0.55	2.64	0.519	0.11	5.912
34111	< 5	< 0.5	15	35	56	0.197	< 0.3	26	62.78	13.03	5.22	0.13	2.17	3.82	1.57	2.73	0.627	0.08	8.097
34112	< 5	< 0.5	26	18	40	0.048	0.8	12	73.79	10.18	4.54	0.097	1.65	1.3	0.2	2.96	0.42	0.07	5.487
34113	< 5	< 0.5	15	14	34	0.018	0.4	20	78.63	9.02	3.25	0.062	1.02	0.93	0.27	2.45	0.411	0.05	4.185
34114	328	5.5	65	39	1570	0.371	0.4	56	62.13	13.79	6.39	0.146	2.38	2.75	0.24	3.86	0.493	0.1	8.149
34115	5	< 0.5	17	42	43	0.248	< 0.3	22	44.05	10.31	5	0.151	2.68	15.16	0.53	2.8	0.729	0.16	17.64
34116	6	< 0.5	15	37	113	0.032	0.4	15	64.23	16.26	6.4	0.102	2.33	1.06	1.06	3.36	0.643	0.15	4.787
34117	< 5	< 0.5	22	25	52	0.166	< 0.3	20	37.89	12.38	4.41	0.116	2.4	18.28	0.64	3.31	0.483	0.17	19.24
34118	< 5	< 0.5	20	22	33	0.34	< 0.3	22	32.34	8.78	3.63	0.091	2.06	25.08	0.29	2.49	0.361	0.1	23.51
34119	< 5	< 0.5	25	44	85	0.166	< 0.3	21	55.06	17.18	6.41	0.097	2.3	4.71	0.77	3.99	0.866	0.17	7.863
34120	< 5	< 0.5	32	45	77	0.107	< 0.3	10	53.9	17.35	6.82	0.119	2.44	5.21	0.76	3.93	0.936	0.2	7.866
34121	< 5	< 0.5	26	42	79	0.113	< 0.3	15	47.79	15.78	6.89	0.149	2.99	8.41	0.75	3.51	1.067	0.27	11.41
34122	6	< 0.5	8	13	30	0.399	< 0.3	15	26.82	6.95	2.45	0.07	1.48	31.33	0.32	1.9	0.328	0.08	27.04
34123	< 5	< 0.5	3	8	< 1	0.119	< 0.3	18	18.29	3.99	1.81	0.201	1.35	39.44	1.61	0.31	0.174	0.06	32.71

Report: A06-1754

Final Report
Activation Laboratories

Element:	Hg	Cd	Cu	Ni	Zn	S	Ag	Pb	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI
Units:	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%
Detection Limit:	5	0.5	1	1	1	0.001	0.3	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	
Reference Method:	Hg-FIMS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
Client I.D.																			
34124	6	< 0.5	39	68	124	0.36	0.7	< 5	43.48	14.43	10.74	0.158	3.96	8.29	0.36	2.7	2.055	0.7	11.78
34125	< 5	< 0.5	29	42	85	0.25	0.3	< 5	61.44	18.44	6.9	0.057	2.18	1.21	0.73	3.98	0.646	0.1	4.539
39251	6	< 0.5	34	34	79	0.482	< 0.3	39	44.76	14.35	5.86	0.12	3.05	11.89	0.35	3.7	0.554	0.08	14.48
39252	< 5	< 0.5	22	34	41	0.564	< 0.3	< 5	49.38	16.47	5.36	0.092	2.32	8.55	0.39	4.46	0.648	0.09	12.13
39253	< 5	< 0.5	3	3	< 1	0.194	< 0.3	8	7.4	1.84	1.3	0.073	1.27	48.77	0.44	0.25	0.076	0.05	38.92
39254	< 5	< 0.5	89	84	84	0.333	< 0.3	< 5	39.49	15.29	9.24	0.175	4.73	9.64	2.92	1.51	1.939	0.29	13.29
39255	< 5	< 0.5	30	37	66	0.14	< 0.3	10	49.65	14.95	5.97	0.105	2.48	10.28	0.46	3.3	0.572	0.09	11.72
39256	< 5	< 0.5	24	46	78	0.176	0.4	11	58.16	18.71	6.86	0.042	2.98	1.91	0.64	4.28	0.686	0.1	6.038
39257	< 5	< 0.5	16	30	56	0.477	< 0.3	15	43.87	13.59	5.5	0.105	2.23	14.44	0.41	3.22	0.497	0.07	14.88
39258	< 5	< 0.5	11	17	28	0.303	< 0.3	11	27.54	8.6	3.36	0.07	1.88	29.23	0.22	2.13	0.353	0.06	25.26
39259	< 5	< 0.5	34	64	103	0.496	< 0.3	< 5	42.03	15.71	13.01	0.159	4.6	7.02	3.33	0.57	3.32	0.49	8.952
39260	< 5	< 0.5	32	30	103	0.561	< 0.3	< 5	42.56	16.99	13.33	0.222	3.91	5.19	4.68	0.75	3.351	0.51	7.677
39261	< 5	< 0.5	36	46	94	0.556	< 0.3	< 5	43.8	16.96	12.51	0.176	3.74	5.6	4.65	0.75	3.174	0.47	7.079
39262	< 5	< 0.5	39	72	98	0.539	< 0.3	< 5	41.18	14.75	13.02	0.227	4.38	8.31	4.09	0.21	3.107	0.45	9.223
39263	< 5	< 0.5	35	51	78	0.622	< 0.3	< 5	41.79	15.29	8.23	0.109	3.27	12.16	1.59	2.48	1.708	0.26	12.19
39264	< 5	< 0.5	18	20	32	0.382	< 0.3	12	29.96	9.16	3.98	0.092	2.33	26.74	0.68	2.13	0.448	0.09	23.3
39265	< 5	< 0.5	11	14	33	0.263	< 0.3	20	27.72	8.1	3.48	0.149	2.99	27.96	0.38	2.25	0.365	0.11	25.66
39266	< 5	< 0.5	8	36	13	0.405	< 0.3	11	26.01	5.88	1.98	0.056	1.05	33.43	0.65	1.38	0.272	0.07	27.85
39267	< 5	< 0.5	8	21	12	0.251	< 0.3	16	23.34	5.73	2.2	0.092	1.15	35.01	0.76	1.39	0.312	0.09	29.02
39268	< 5	< 0.5	29	81	87	0.146	< 0.3	16	48.74	12.51	6.84	0.144	3.08	10.09	0.96	2.85	0.853	0.19	13.13
39269	< 5	< 0.5	55	294	80	0.179	< 0.3	23	50.51	8.01	7.82	0.159	8.84	7.89	0.21	0.62	1.051	0.16	14.53
39270	< 5	< 0.5	69	213	71	0.25	< 0.3	22	62.19	6.91	5.33	0.109	6.35	5.84	0.47	1.04	0.503	0.08	10.52
39271	< 5	< 0.5	53	68	83	1.71	0.8	72	57.83	20.27	7.08	0.025	2.96	0.25	0.49	5.06	0.812	0.12	5.279
39272	< 5	< 0.5	17	37	37	0.239	0.4	< 5	81.68	7.76	3.24	0.04	1.44	0.79	1.09	1.45	0.42	0.08	2.491
39273	< 5	< 0.5	19	34	45	0.571	0.6	28	81.16	7.24	3.81	0.046	1.68	0.93	0.84	1.29	0.376	0.08	2.842
39274	< 5	< 0.5	40	61	91	2.63	0.6	17	59.85	17.29	7.83	0.03	2.7	0.38	0.3	4.47	0.719	0.11	5.21
39275	< 5	< 0.5	31	45	83	0.465	0.5	19	70.82	13.42	5.02	0.051	2.44	0.6	0.39	3.22	0.649	0.11	3.665
39276	< 5	< 0.5	44	52	104	0.67	0.7	53	71.06	12.86	5.61	0.053	2.37	0.55	0.25	3.21	0.527	0.11	3.649
39277	< 5	< 0.5	28	128	106	0.263	< 0.3	10	61.24	14.85	6.61	0.077	4.28	2.18	0.13	3.72	0.669	0.1	6.702
39278	< 5	< 0.5	15	24	48	0.181	0.5	12	77.88	8.69	3.68	0.056	1.49	0.84	1.71	1.45	0.36	0.07	2.569
39279	< 5	< 0.5	38	59	96	0.11	< 0.3	19	73.09	11.4	4.91	0.067	2.41	1.06	0.82	2.6	0.614	0.07	3.636
39280	< 5	< 0.5	20	32	65	0.18	< 0.3	46	73.38	10.84	4.83	0.102	1.8	1.13	1.68	2.05	0.45	0.08	3.306
39281	6	< 0.5	25	71	125	0.253	< 0.3	16	65	14.71	6.05	0.091	2.5	1.43	0.72	3.57	0.683	0.11	5.139
39282	< 5	< 0.5	15	30	38	0.102	< 0.3	39	80.72	7.28	2.74	0.042	1.11	1.85	0.85	1.35	0.307	0.51	3.543
39283	< 5	< 0.5	24	38	83	0.193	< 0.3	18	69.61	13.38	5.83	0.085	2.12	0.95	1.98	2.54	0.608	0.1	3.587
39284	< 5	< 0.5	40	48	83	0.391	< 0.3	27	59.52	19.58	6.45	0.074	2.37	0.84	1.28	5.05	0.672	0.16	4.512
39285	< 5	< 0.5	23	31	62	0.107	< 0.3	22	68.97	13.31	4.84	0.096	1.85	2.27	1.44	3.08	0.463	0.1	4.414
39286	< 5	< 0.5	28	36	61	0.545	< 0.3	18	76.21	9.35	3.49	0.037	1.2	1.01	0.6	2.59	0.398	0.12	3.938
39287	6	< 0.5	40	44	102	0.472	< 0.3	23	61.83	12.93	6.68	0.099	2.39	4.21	1.76	2.5	1.074	0.17	6.922
39288	11	< 0.5	37	59	67	0.791	< 0.3	17	79.03	6.18	3.3	0.054	1.21	2.6	0.49	1.72	0.276	0.09	5.296
39289	6	< 0.5	20	47	63	0.224	< 0.3	13	50.37	8.38	5.18	0.114	2.33	14.36	0.79	1.86	0.664	0.13	15.33
39290	9	< 0.5	16	37	74	0.346	< 0.3	15	67.89	9.23	4	0.062	1.54	4.48	2	1.66	0.582	0.13	7.114
39291	14	0.7	28	38	118	0.888	< 0.3	41	71.02	11.54	4.38	0.031	1.45	1.48	0.96	2.62	0.526	0.15	6.113
39292	8	< 0.5	27	44	68	0.116	< 0.3	19	57.95	11.06	6.67	0.13	2.94	5.08	2.08	2.09	0.827	0.13	10.81
39293	11	< 0.5	17	36	53	0.138	< 0.3	12	64.87	11.59	4.85	0.082	1.99	2.91	1.77	2.64	0.46	0.08	7.388
39294	9	< 0.5	13	19	68	0.153	< 0.3	44	71.52	9.05	3.19	0.054	1.62	3.02	2.05	1.82	0.286	0.13	5.993
39295	11	< 0.5	38	31	54	0.366	0.4	28	74.41	8.4	4.07	0.052	1.73	2.37	0.95	1.99	0.31	0.13	6.082
39296	< 5	< 0.5	15	51	47	0.149	< 0.3	24	67.61	10.34	5.22	0.067	2.66	1.94	0.82	2.61	0.409	0.09	7.267
39297	< 5	< 0.5	37	63	72	0.229	0.5	32	62.05	13.51	6.19	0.069	3.51	1.89	0.97	2.91	0.701	0.12	7.701

Final Report
Activation Laboratories

Element:	Hg	Cd	Cu	Ni	Zn	S	Ag	Pb	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI
Units:	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%
Detection Limit:	5	0.5	1	1	1	0.001	0.3	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01	0.001	0.01	
Reference Method:	Hg-FIMS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
Client I.D.																			
39298	< 5	< 0.5	30	97	86	0.092	< 0.3	39	53.34	12.85	7.42	0.121	4.33	4.91	1.02	2.72	0.96	0.2	11.39
39299	9	< 0.5	20	56	84	0.177	< 0.3	28	57.43	16.23	6.24	0.075	2.54	2.4	1.83	3.42	0.791	0.15	8.292
39300	< 5	< 0.5	16	24	41	0.127	< 0.3	16	75.71	8.46	3.31	0.066	1.64	2.11	1.62	1.48	0.35	0.08	5.488
39301	8	< 0.5	21	33	52	0.214	< 0.3	15	45.91	13.6	4.83	0.069	2.11	12.65	0.98	3.48	0.7	0.16	15.02
39302	6	< 0.5	46	53	90	0.261	< 0.3	17	54.89	19.32	7.92	0.099	2.78	0.75	0.61	5.51	0.796	0.29	6.813
39303	< 5	< 0.5	24	39	36	0.177	< 0.3	15	72.37	9.92	4.43	0.073	2.22	1.99	0.59	2.27	0.541	0.11	5.572
39304	5	< 0.5	36	54	101	0.178	< 0.3	32	56.3	19.87	8.54	0.065	2.65	0.27	1.02	4.76	0.865	0.18	5.57
39305	< 5	< 0.5	28	33	53	0.062	< 0.3	24	66.96	16.29	4.46	0.034	1.48	0.3	1.37	4	0.478	0.13	5.193
39306	5	< 0.5	22	55	72	0.038	< 0.3	23	54.3	24.32	6.09	0.032	2.27	0.22	0.59	6.64	0.783	0.09	3.684
39307	< 5	< 0.5	21	34	63	0.037	< 0.3	22	70.24	13.05	4.96	0.066	1.85	0.93	1.4	2.94	0.595	0.08	4.461
39308	9	< 0.5	36	50	87	0.389	< 0.3	39	54.64	21.68	6.59	0.041	2.15	0.4	0.79	5.86	0.741	0.15	5.624
39309	7	< 0.5	39	36	68	0.205	< 0.3	18	72.73	11.76	5.58	0.039	1.52	0.13	1.01	2.87	0.474	0.07	4.146
39310	< 5	< 0.5	38	48	90	0.063	< 0.3	26	56.04	18.06	8.34	0.063	2.47	0.19	0.55	5.12	0.718	0.1	7.226
39311	< 5	< 0.5	56	154	77	0.02	< 0.3	21	54.52	12.4	8.45	0.113	5.26	3.96	1	2.32	1.472	0.19	10.01
39312	6	< 0.5	17	31	54	0.042	< 0.3	28	69.37	13.41	4.66	0.054	1.69	0.37	1.05	3.72	0.577	0.07	5.271
39313	< 5	< 0.5	17	23	44	0.063	< 0.3	32	74.59	10.2	3.81	0.065	1.58	0.97	0.68	2.9	0.461	0.05	4.983
39314	< 5	< 0.5	19	37	49	0.027	< 0.3	20	70.12	10.49	4.68	0.085	2.01	1.72	1.01	2.8	0.605	0.08	6.286
39315	6	< 0.5	14	24	48	0.028	< 0.3	16	73.39	10.01	3.89	0.065	1.66	1.41	0.79	2.7	0.476	0.05	5.217
39316	< 5	< 0.5	10	18	31	0.008	< 0.3	16	77.04	7.76	3.44	0.073	1.6	1.9	1.24	1.74	0.351	0.05	5.144
39317	12	< 0.5	24	40	81	0.158	< 0.3	26	63.08	14.9	5.84	0.073	2.12	0.96	0.68	4.52	0.727	0.12	5.874
39318	< 5	< 0.5	15	19	36	0.02	0.4	14	76.71	8.15	3.08	0.08	1.53	2.17	1.35	1.89	0.383	0.04	5.21
39319	7	< 0.5	15	26	52	0.034	< 0.3	29	72.07	10.74	4.53	0.069	1.71	1.18	1.41	2.77	0.516	0.06	5.451
39320	13	< 0.5	42	44	84	0.133	< 0.3	42	62.87	14.58	5.92	0.08	2.37	1.21	0.76	4.19	0.675	0.13	7.156
39321	< 5	< 0.5	14	20	46	0.029	< 0.3	21	72.87	9.65	3.95	0.072	1.89	1.72	0.99	2.56	0.447	0.15	5.684
39322	10	< 0.5	19	28	55	0.071	< 0.3	31	69.91	11.57	4.62	0.061	1.8	0.67	0.97	3.13	0.517	0.07	5.42
39323	8	< 0.5	25	34	47	0.142	< 0.3	27	67.97	13.12	4.2	0.07	1.99	1.34	1.34	3.38	0.544	0.09	5.895
39324	7	< 0.5	15	17	35	0.039	0.3	20	75.31	9.18	2.97	0.068	1.75	1.75	1.27	2.16	0.398	0.06	5.102
39325	35	< 0.5	41	231	187	0.686	< 0.3	74	56.68	12.33	6.81	0.113	4.58	4.32	0.64	2.91	0.828	0.13	10.52

Final Report
Activation Laboratories

Element:	Total	Sc	Be	V	Ba	Sr	Y	Zr	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Nb
Units:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.01	1	1	5	3	2	2	4	20	1	20	10	30	1	1	5	2	1
Reference Method:	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
34026	100.1	8	< 1	64	191	64	19	221	90	13	30	30	70	8	1	9	41	16
34027	98.89	5	< 1	35	221	40	19	254	60	5	< 20	20	40	7	1	< 5	48	6
34028	98.84	19	2	151	357	125	31	199	150	32	100	50	130	18	1	22	71	36
34029	99.13	20	3	124	1016	98	39	206	140	15	40	30	90	29	1	6	207	16
34030	100.8	7	1	47	362	44	20	246	40	8	20	30	60	11	1	< 5	78	7
34031	98.94	8	< 1	53	455	48	27	230	60	9	20	20	60	13	1	< 5	91	8
34032	99.42	16	3	95	827	80	41	201	70	16	20	20	70	23	1	7	166	14
34033	99.68	11	2	69	581	58	26	228	80	11	30	20	70	17	2	< 5	117	10
34034	100.9	11	2	74	550	62	21	175	60	14	30	20	60	16	< 1	5	111	9
34035	98.59	12	2	75	583	55	27	217	80	11	30	30	60	17	1	< 5	120	10
34036	99.82	6	1	38	296	51	16	199	40	6	< 20	< 10	50	8	1	< 5	60	6
34037	100.4	7	1	46	377	51	17	168	60	9	20	20	50	10	1	< 5	75	6
34038	100.4	13	3	82	756	76	27	199	70	13	40	30	70	21	1	< 5	148	11
34039	99.28	12	3	65	836	88	22	178	60	9	30	20	70	20	1	< 5	163	11
34040	99.18	18	4	98	1249	95	32	159	70	13	30	30	90	29	1	8	238	16
34041	100.7	7	2	39	560	59	18	171	70	9	< 20	20	50	15	1	< 5	120	8
34042	98.79	15	3	78	1000	85	27	202	80	13	30	20	70	27	2	9	207	15
34043	100.4	11	2	63	774	77	30	273	90	11	30	20	70	21	1	< 5	154	12
34044	100.1	12	2	78	674	63	24	181	80	13	30	30	70	19	1	< 5	146	11
34045	98.93	15	3	97	821	78	37	252	110	16	30	40	90	25	1	< 5	175	14
34046	98.96	14	2	82	740	75	26	136	90	17	40	30	70	22	1	8	162	10
34047	100.3	14	2	84	736	59	32	183	100	18	40	40	80	23	1	6	164	12
34048	98.52	17	3	99	900	72	33	158	100	19	40	30	100	27	2	16	197	12
34049	98.89	5	< 1	31	269	33	13	191	80	6	< 20	20	40	9	1	< 5	60	5
34050	99.7	4	< 1	26	228	37	11	157	40	6	< 20	10	40	8	1	< 5	51	5
34051	99.01	9	1	57	495	67	19	189	90	12	30	20	60	15	1	7	99	8
34052	98.72	13	2	92	467	122	22	213	180	18	80	30	80	17	1	10	96	12
34053	98.69	14	2	98	646	163	26	157	140	18	60	40	60	19	1	8	124	16
34054	99.4	18	3	124	717	246	33	166	140	22	70	40	90	22	1	16	136	17
34055	99.97	16	3	109	846	91	40	217	100	19	30	30	120	24	1	< 5	157	14
34056	100.3	7	1	54	308	96	23	258	30	6	30	10	50	10	< 1	< 5	54	7
34057	99.04	12	2	86	634	81	28	222	70	11	20	20	60	16	< 1	< 5	110	10
34058	98.79	6	< 1	46	303	92	16	217	30	6	< 20	10	50	9	< 1	< 5	52	6
34059	99.55	8	1	62	447	107	21	211	50	9	< 20	10	50	11	< 1	< 5	70	8
34060	98.96	18	3	156	1274	106	39	191	60	20	40	50	90	22	1	< 5	172	15
34061	100.3	9	2	69	920	79	29	280	70	9	30	20	40	13	< 1	< 5	100	10
34062	100.2	8	3	118	2739	254	40	185	30	6	30	20	60	17	< 1	6	150	11
34063	100.1	5	2	105	3857	111	29	162	40	3	< 20	10	80	15	< 1	7	134	10
34064	98.98	5	3	151	3595	88	32	164	20	3	< 20	10	110	18	2	17	169	12
34065	100.3	6	2	804	1554	90	20	66	100	5	60	40	750	9	< 1	15	87	5
34066	100.4	4	2	54	2574	79	31	156	< 20	2	< 20	20	60	17	1	< 5	147	12
34067	100.4	5	3	875	1588	61	20	84	70	4	50	30	720	11	< 1	12	100	6
34068	100.5	5	2	985	1177	71	16	62	40	4	60	40	1240	8	1	21	77	5
34069	99.62	6	2	878	1148	194	19	47	80	4	50	50	1040	7	< 1	10	66	4
34070	99.5	5	2	817	1179	159	18	46	60	4	70	70	890	7	1	27	74	4
34071	100.1	6	2	713	1478	62	15	48	40	5	70	30	370	8	< 1	9	76	5
34072	98.83	4	2	59	3322	124	28	155	30	3	< 20	10	80	16	1	8	117	11
34073	99.72	8	2	351	1666	81	19	91	40	7	50	30	140	11	< 1	< 5	94	6
34074	100	8	3	616	1763	93	20	93	90	9	80	50	420	15	< 1	14	110	8

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Element:	Total	Sc	Be	V	Ba	Sr	Y	Zr	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Nb
Units:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.01	1	1	5	3	2	2	4	20	1	20	10	30	1	1	5	2	1
Reference Method:	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
34075	100.2	6	2	124	2440	143	25	150	40	6	20	30	130	19	1	7	113	12
34076	100.3	8	2	368	1462	155	18	78	90	10	50	30	150	13	< 1	12	104	10
34077	100	9	2	221	1518	288	21	78	80	12	40	30	90	13	< 1	< 5	88	8
34078	99.47	9	1	60	863	535	21	113	90	9	50	20	60	15	1	6	84	12
34079	99.34	8	1	47	679	614	17	91	50	7	20	20	40	12	< 1	< 5	72	9
34080	98.67	8	1	65	667	876	17	74	110	8	50	30	50	11	< 1	11	87	13
34081	99.71	10	2	121	904	433	31	108	120	13	40	20	80	16	1	12	118	17
34082	98.78	6	1	45	583	978	12	60	60	6	30	20	50	9	< 1	8	64	10
34083	98.55	6	< 1	53	597	857	17	55	60	8	30	30	40	8	< 1	7	61	9
34084	98.66	5	1	51	558	987	13	63	60	5	30	30	50	8	< 1	11	60	9
34085	100.1	6	2	21	1567	93	30	167	< 20	2	< 20	10	50	21	1	19	159	12
34086	99.15	15	3	157	1489	106	34	190	110	17	50	40	140	28	1	< 5	186	17
34087	99.71	12	2	79	751	171	19	264	180	16	60	30	80	17	1	20	86	12
34088	100.6	8	1	45	858	213	19	282	30	7	20	10	50	14	1	6	77	9
34089	99.75	18	2	138	864	275	23	231	200	22	100	40	70	15	1	23	73	15
34090	100.7	11	2	68	1061	97	24	329	40	9	< 20	10	50	19	1	8	114	13
34091	100.2	15	2	108	813	178	19	177	90	16	60	30	70	16	< 1	16	107	13
34092	100.6	14	2	75	777	116	21	179	140	16	60	30	70	18	1	33	125	10
34093	100.3	13	2	75	884	46	21	202	70	15	40	20	80	21	1	< 5	149	12
34094	100.6	15	3	82	1056	53	25	201	60	13	30	30	70	21	1	10	171	12
34095	100.7	7	1	42	420	78	14	232	30	6	< 20	10	40	11	1	< 5	68	7
34096	100.7	16	3	86	1075	128	39	217	60	11	30	20	80	21	1	8	166	12
34097	99.82	7	1	45	453	107	13	221	30	6	< 20	10	50	11	1	6	71	7
34098	100.3	8	2	57	608	95	15	187	30	7	< 20	20	40	12	< 1	8	93	8
34099	100.5	13	2	84	762	81	25	258	60	12	30	30	70	18	1	7	119	13
34100	100.4	9	1	56	563	104	18	273	40	7	< 20	10	50	12	< 1	9	81	9
34101	100.4	14	2	82	878	57	22	245	60	12	30	30	80	20	1	8	129	13
34102	100.5	13	2	79	770	66	31	242	50	10	20	30	80	16	1	8	107	11
34103	100	14	2	87	953	145	23	235	70	12	30	20	70	18	< 1	20	117	18
34104	99.38	11	2	69	1239	254	22	151	60	15	30	20	50	14	< 1	7	116	19
34105	100	13	2	91	1132	340	26	204	100	12	40	20	50	15	1	9	96	24
34106	99.65	14	2	89	1299	270	26	211	120	18	50	20	70	16	1	8	112	26
34107	98.68	7	1	47	858	545	18	72	40	9	30	30	50	9	< 1	< 5	71	9
34108	98.56	5	< 1	35	595	806	11	59	40	5	30	20	< 30	6	< 1	11	50	8
34109	98.62	5	< 1	33	441	897	10	56	40	4	30	20	< 30	5	< 1	10	41	7
34110	100.5	11	2	140	903	94	37	107	70	12	30	30	60	11	< 1	11	87	12
34111	100.3	11	2	75	831	153	19	235	60	11	30	10	40	14	1	10	91	11
34112	100.7	7	1	38	982	81	16	295	40	6	< 20	< 10	30	11	1	< 5	102	8
34113	100.3	5	1	35	879	65	13	288	40	5	< 20	< 10	40	11	1	< 5	88	7
34114	100.4	11	2	62	978	121	23	160	50	14	30	50	1360	16	< 1	6	130	9
34115	99.2	12	2	76	799	377	20	104	90	16	40	20	40	13	< 1	26	96	15
34116	100.4	12	2	70	905	92	28	232	70	14	40	20	110	22	1	9	134	13
34117	99.31	10	2	53	881	568	25	133	50	11	30	30	60	16	< 1	9	121	12
34118	98.72	8	2	35	742	716	18	107	40	9	20	20	40	10	< 1	6	86	11
34119	99.41	15	3	87	1363	180	28	192	80	14	40	20	70	19	1	9	137	24
34120	99.54	14	3	92	1340	203	30	208	90	17	50	40	90	23	1	6	136	27
34121	99.02	13	2	89	1241	257	27	206	80	17	40	30	80	21	1	8	124	35
34122	98.77	6	1	28	627	820	16	118	30	5	20	20	50	10	< 1	< 5	69	9
34123	99.94	4	< 1	20	201	986	9	86	< 20	2	< 20	20	< 30	4	< 1	7	12	4

Final Report
Activation Laboratories

Element:	Total	Sc	Be	V	Ba	Sr	Y	Zr	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Nb
Units:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.01	1	1	5	3	2	2	4	20	1	20	10	30	1	1	5	2	1
Reference Method:	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
34124	98.66	13	2	114	1733	266	25	325	80	34	70	40	130	21	1	16	93	92
34125	100.2	15	3	68	1612	113	29	146	70	21	30	30	100	25	2	11	151	21
39251	99.19	12	2	58	1183	350	27	141	60	20	40	30	90	20	1	7	137	20
39252	99.9	14	3	67	1294	274	26	155	70	15	30	30	50	22	1	< 5	162	21
39253	100.4	3	< 1	11	92	1268	7	31	< 20	< 1	< 20	30	< 30	3	< 1	5	10	3
39254	98.51	26	1	235	630	392	16	151	170	34	80	80	100	19	1	26	59	27
39255	99.59	14	2	67	1524	376	25	145	70	20	40	40	80	21	1	14	123	15
39256	100.4	17	3	79	1730	112	33	147	90	28	40	20	80	25	2	25	162	20
39257	98.81	12	2	55	1183	471	25	105	60	13	30	30	70	18	1	9	118	14
39258	98.7	8	1	38	727	953	14	71	40	8	30	30	50	12	< 1	< 5	75	9
39259	99.18	27	2	351	403	417	27	214	100	52	70	40	130	27	< 1	< 5	25	42
39260	99.17	27	2	350	419	415	27	235	60	49	< 20	50	150	31	< 1	17	27	45
39261	98.91	27	2	342	399	446	24	207	90	53	< 20	50	140	29	1	7	27	41
39262	98.96	28	1	333	105	451	27	204	110	62	50	50	120	27	< 1	< 5	7	41
39263	99.08	20	2	186	845	548	27	167	100	32	60	40	100	25	1	6	103	29
39264	98.9	8	2	45	585	872	17	91	60	11	30	30	50	14	< 1	8	86	12
39265	99.17	7	2	34	796	714	18	102	50	9	20	20	50	12	< 1	9	94	13
39266	98.62	5	< 1	23	671	913	15	106	30	4	50	30	30	9	< 1	< 5	53	8
39267	99.1	5	< 1	26	597	934	14	104	40	5	30	30	40	9	< 1	< 5	56	10
39268	99.38	12	2	76	1101	266	25	151	180	22	90	40	120	20	1	7	118	26
39269	99.79	18	1	136	232	258	17	94	530	39	320	70	110	13	1	136	26	13
39270	99.35	15	1	75	289	184	15	119	530	27	200	80	80	10	1	62	43	7
39271	100.2	19	4	143	1171	48	35	156	130	25	70	50	80	30	1	< 5	210	14
39272	100.5	6	< 1	43	368	44	14	210	40	5	20	20	100	10	1	< 5	53	6
39273	100.3	6	< 1	46	282	46	14	159	30	5	< 20	10	40	9	< 1	< 5	46	5
39274	98.89	15	3	111	1038	44	27	184	60	15	30	20	80	21	1	< 5	157	11
39275	100.4	12	2	85	818	42	24	243	50	8	30	20	70	16	< 1	< 5	114	10
39276	100.3	11	2	83	857	41	23	141	40	9	30	20	90	15	1	< 5	115	8
39277	100.6	16	2	111	1052	112	25	149	120	13	70	20	90	18	1	35	140	10
39278	98.8	6	1	40	393	58	13	192	30	6	20	20	40	10	1	< 5	56	6
39279	100.7	11	2	74	698	63	16	220	70	10	40	30	90	14	1	7	100	10
39280	99.64	8	1	56	564	80	14	133	30	7	< 20	10	60	12	< 1	< 5	73	8
39281	100	13	2	90	1074	83	21	220	80	12	40	30	100	18	1	10	134	12
39282	100.3	6	< 1	37	456	157	20	170	30	6	< 20	10	30	9	1	< 5	52	7
39283	100.8	11	2	69	699	80	15	189	40	8	< 20	20	80	15	1	< 5	88	11
39284	100.5	15	3	89	1142	85	30	146	50	10	30	30	70	21	1	< 5	180	12
39285	100.8	10	2	91	785	125	22	166	30	7	< 20	20	60	15	1	< 5	114	10
39286	98.94	10	2	98	789	60	25	93	50	8	40	20	60	13	1	< 5	101	8
39287	100.6	14	2	122	698	193	23	220	50	12	30	30	100	16	1	< 5	91	16
39288	100.2	6	1	81	593	96	24	64	50	8	40	30	70	9	< 1	< 5	68	5
39289	99.5	9	1	69	718	410	18	146	70	9	30	30	80	11	1	7	73	12
39290	98.7	8	1	76	456	179	17	213	50	7	20	10	80	11	< 1	< 5	61	10
39291	100.3	9	2	103	1149	122	20	175	60	9	30	30	120	16	1	< 5	108	9
39292	99.76	12	1	103	715	232	18	188	40	9	20	20	60	12	< 1	7	74	12
39293	98.62	9	2	58	928	147	17	158	60	11	30	20	60	17	1	5	108	9
39294	98.74	5	1	77	1092	145	18	145	30	5	< 20	20	70	13	< 1	< 5	68	9
39295	100.5	7	2	77	847	109	16	119	40	9	30	40	60	12	1	< 5	81	7
39296	99.04	8	2	50	542	113	15	163	60	11	40	10	50	14	1	16	96	7
39297	99.62	13	2	80	740	115	20	164	100	17	50	40	80	21	1	8	128	14

Final Report
Activation Laboratories

Element:	Total	Sc	Be	V	Ba	Sr	Y	Zr	Cr	Co	Ni	Cu	Zn	Ga	Ge	As	Rb	Nb
Units:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.01	1	1	5	3	2	2	4	20	1	20	10	30	1	1	5	2	1
Reference Method:	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
39298	99.26	13	2	97	619	225	22	167	200	25	70	30	90	18	1	23	103	16
39299	99.4	15	2	86	750	135	23	234	110	14	50	20	90	23	1	6	133	17
39300	100.3	6	< 1	35	343	114	13	183	50	7	20	20	50	12	1	< 5	63	7
39301	99.51	11	2	72	965	391	21	149	80	13	30	30	70	20	1	< 5	135	20
39302	99.77	18	3	99	1439	56	35	187	110	20	40	50	110	31	1	< 5	223	15
39303	100.1	9	2	60	590	104	16	184	110	16	30	30	50	16	1	10	98	10
39304	100.1	18	3	101	1029	43	33	252	90	16	40	40	90	26	1	< 5	169	15
39305	100.7	12	2	58	847	48	19	134	60	10	30	30	50	21	1	< 5	146	9
39306	99.03	21	4	98	1442	49	43	151	90	23	50	20	80	31	2	11	245	14
39307	100.6	11	2	67	667	62	18	260	60	11	20	30	60	18	1	< 5	107	11
39308	98.67	18	3	93	1279	56	32	177	90	16	40	30	100	29	2	< 5	216	13
39309	100.3	9	2	52	599	30	20	190	50	10	30	40	70	15	1	< 5	102	9
39310	98.89	16	3	88	1102	43	26	173	70	13	40	30	90	23	1	< 5	170	12
39311	99.7	22	2	174	656	166	20	222	310	27	120	50	80	16	1	23	78	18
39312	100.2	10	2	66	749	42	20	264	70	10	30	20	60	19	1	7	136	10
39313	100.3	8	1	53	607	52	18	314	40	8	< 20	10	40	13	< 1	< 5	97	8
39314	99.89	10	1	73	617	79	15	233	70	10	30	20	50	13	< 1	9	96	9
39315	99.66	8	1	56	692	73	16	296	50	8	20	10	40	13	< 1	< 5	90	8
39316	100.3	5	1	32	481	98	13	227	40	5	< 20	10	40	9	< 1	< 5	61	6
39317	98.9	14	2	84	1122	65	22	263	80	14	30	30	90	21	1	9	155	12
39318	100.6	7	< 1	40	485	102	16	278	40	5	< 20	10	30	9	< 1	< 5	58	6
39319	100.5	9	1	55	720	70	17	260	50	8	20	10	50	13	< 1	< 5	89	9
39320	99.94	13	2	81	1150	76	24	227	80	13	40	20	80	19	1	8	146	10
39321	99.98	8	1	49	581	82	16	272	40	8	< 20	10	40	12	< 1	5	81	7
39322	98.73	10	2	59	659	53	16	203	50	8	20	20	50	15	< 1	6	102	8
39323	99.94	10	2	61	757	86	22	278	50	16	30	20	40	16	< 1	17	130	9
39324	100	7	1	41	539	92	18	234	40	7	< 20	20	50	12	< 1	9	79	7
39325	99.85	15	2	103	812	181	20	188	370	25	140	30	180	16	1	221	105	11

Final Report
Activation Laboratories

Element:	Mo	Ag	In	Sn	Sb	Cs	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	2	0.5	0.2	1	0.5	0.5	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
34026	< 2	< 0.5	< 0.2	< 1	< 0.5	0.9	22.6	47.6	5.21	20.2	4.6	1.13	4.5	0.7	3.6	0.7	2	0.29
34027	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	18.3	39.1	4.33	16.7	3.8	0.81	3.6	0.6	3.5	0.7	2.2	0.33
34028	< 2	< 0.5	< 0.2	< 1	< 0.5	1.6	49.3	98.3	10.8	41.1	8.1	2.24	7.9	1.1	6.2	1.1	3.1	0.43
34029	< 2	< 0.5	< 0.2	2	< 0.5	4.2	69.6	141	15.3	55.2	10	1.99	8.6	1.3	7.2	1.4	3.9	0.59
34030	< 2	< 0.5	< 0.2	1	< 0.5	1.7	28.8	58.6	6.31	23.4	4.7	1.02	4.1	0.6	3.6	0.7	2.2	0.33
34031	< 2	< 0.5	< 0.2	< 1	< 0.5	1.9	29.9	61.5	6.9	25.9	5.2	1.02	4.9	0.8	4.4	0.9	2.7	0.41
34032	< 2	< 0.5	< 0.2	1	< 0.5	3.6	53.6	113	12.8	47	9	1.69	8.2	1.3	7.3	1.4	4.3	0.65
34033	< 2	< 0.5	< 0.2	1	< 0.5	2.6	34.6	70.3	7.7	28.1	5.8	1.16	5.3	0.8	4.7	0.9	2.8	0.43
34034	< 2	< 0.5	< 0.2	< 1	< 0.5	2.2	35.2	70	7.62	27.7	5.4	1.09	4.7	0.7	3.9	0.8	2.4	0.35
34035	< 2	< 0.5	< 0.2	1	< 0.5	2.3	37	74.8	8.22	30.4	6.3	1.28	5.9	0.9	4.9	1	2.9	0.45
34036	< 2	< 0.5	< 0.2	< 1	< 0.5	1.5	20.6	41.4	4.36	16.5	3.9	0.79	3.4	0.5	2.9	0.6	1.8	0.26
34037	< 2	< 0.5	< 0.2	1	< 0.5	1.6	25	49.5	5.42	20.2	4	0.86	3.6	0.5	3	0.6	1.7	0.26
34038	< 2	< 0.5	< 0.2	2	< 0.5	3.2	44.3	88.5	9.86	35.9	6.6	1.31	5.9	0.9	5	1	2.9	0.43
34039	< 2	< 0.5	< 0.2	2	< 0.5	3.6	48.6	98.9	10.8	39.8	7.3	1.27	5.9	0.8	4.3	0.8	2.4	0.36
34040	< 2	< 0.5	< 0.2	2	< 0.5	5.2	77	153	17	60.4	11	1.9	9.1	1.2	6.6	1.2	3.5	0.52
34041	< 2	< 0.5	< 0.2	2	< 0.5	2.5	33.5	69	7.44	26.6	5	0.98	4.3	0.6	3.5	0.7	2	0.3
34042	< 2	< 0.5	< 0.2	2	< 0.5	4.3	56.4	115	12.6	45.7	8.4	1.57	7.3	1	5.5	1	3.1	0.46
34043	< 2	< 0.5	< 0.2	2	< 0.5	3.5	52.2	106	11.6	41.1	7.5	1.31	6.2	0.9	5.2	1	3	0.44
34044	< 2	< 0.5	< 0.2	2	< 0.5	3.4	41.7	82.8	9.06	32.7	6.1	1.27	5.4	0.8	4.5	0.9	2.6	0.4
34045	< 2	< 0.5	< 0.2	1	< 0.5	3.8	50.2	104	11.6	42.9	8.7	1.72	7.8	1.2	6.9	1.4	4.1	0.62
34046	< 2	< 0.5	< 0.2	1	< 0.5	3.4	45.2	90.2	9.85	35.5	6.2	1.32	5.8	0.9	5.2	1	3	0.44
34047	< 2	< 0.5	< 0.2	2	< 0.5	3.4	46.7	96	10.5	38.5	8.1	1.58	7.5	1.1	6.1	1.2	3.6	0.54
34048	< 2	< 0.5	< 0.2	2	< 0.5	4.1	57.9	117	13	47.8	9.2	1.77	8.2	1.2	6.8	1.3	3.8	0.56
34049	< 2	< 0.5	< 0.2	< 1	< 0.5	1.4	19.9	41.7	4.54	17.5	3.8	0.82	3.2	0.5	2.6	0.5	1.5	0.23
34050	< 2	< 0.5	< 0.2	< 1	< 0.5	1.2	17.8	36.5	3.82	14.2	3	0.66	2.8	0.4	2.3	0.4	1.3	0.2
34051	< 2	< 0.5	< 0.2	< 1	< 0.5	2.3	32.5	67	7.18	26.1	5.1	1.08	4.6	0.7	3.7	0.7	2.1	0.31
34052	< 2	< 0.5	< 0.2	< 1	< 0.5	2.5	30.9	65.3	7.31	26.5	5.6	1.27	5.2	0.8	4.4	0.8	2.6	0.39
34053	< 2	< 0.5	< 0.2	< 1	< 0.5	3.2	43.8	89.3	10.1	37	7.3	1.53	6.7	1	5.2	1	2.9	0.43
34054	< 2	< 0.5	< 0.2	1	< 0.5	3.5	45.7	93.3	10.5	38.9	7.8	1.85	7.5	1.1	6.4	1.2	3.6	0.53
34055	< 2	< 0.5	< 0.2	1	< 0.5	4.1	48.8	102	11.6	42.9	8.8	1.75	8.1	1.3	7.3	1.4	4.3	0.66
34056	< 2	< 0.5	< 0.2	< 1	< 0.5	1.6	20.8	44.1	4.96	18.6	3.8	0.85	3.9	0.7	3.8	0.8	2.3	0.36
34057	< 2	< 0.5	< 0.2	< 1	< 0.5	3.5	38.3	79.7	8.77	32.9	6.8	1.35	6.1	1	5.3	1	3.2	0.49
34058	< 2	< 0.5	< 0.2	< 1	< 0.5	1.6	25	51.8	5.49	20	4.1	0.82	3.7	0.6	3.1	0.6	1.8	0.28
34059	< 2	< 0.5	< 0.2	< 1	< 0.5	2.3	25.3	53	5.85	21.7	4.5	0.87	4.3	0.7	3.8	0.8	2.3	0.35
34060	13	< 0.5	< 0.2	2	< 0.5	5.7	52.2	107	12.1	45.2	9.3	1.74	8.7	1.3	7.4	1.4	4.3	0.65
34061	< 2	< 0.5	< 0.2	2	< 0.5	3	33.2	67.7	7.74	29	5.8	1.12	5.3	0.9	5	1	3	0.47
34062	3	< 0.5	< 0.2	2	< 0.5	5	37.8	77.9	8.8	32.7	7.2	1.36	6.9	1.2	7.1	1.3	4	0.59
34063	2	< 0.5	< 0.2	2	< 0.5	3.6	37.3	75	8.35	30.2	6.3	1.22	5.8	1	5.3	1	2.8	0.39
34064	3	0.8	< 0.2	3	0.6	5	38.5	78.9	8.8	31.9	6.5	1.15	6.2	1	5.7	1.1	3.1	0.42
34065	19	1.3	< 0.2	2	< 0.5	4.2	19	33.8	4.17	15.7	3.1	0.72	3.2	0.5	2.8	0.5	1.6	0.23
34066	4	< 0.5	< 0.2	3	< 0.5	5.3	35.6	73.3	8.24	29.7	6.3	1.1	5.9	1	5.7	1.1	3	0.41
34067	19	1	< 0.2	2	< 0.5	3.7	22.1	41.1	4.83	18	3.6	0.67	3.4	0.5	3	0.6	1.7	0.25
34068	20	1.8	< 0.2	2	0.7	4.2	15.8	28.6	3.51	12.8	2.6	0.52	2.4	0.4	2.1	0.4	1.2	0.18
34069	20	2.3	< 0.2	< 1	< 0.5	2.2	14.3	23.8	3.14	12.3	2.6	0.72	2.8	0.4	2.2	0.4	1.2	0.18
34070	21	1.8	< 0.2	1	1.5	2.6	14.8	25.1	3.29	12.5	2.6	0.74	2.7	0.4	2.4	0.5	1.4	0.2
34071	24	1.4	< 0.2	< 1	< 0.5	2.9	16.8	28.1	3.54	13.2	2.5	0.6	2.5	0.4	2.1	0.4	1.2	0.18
34072	< 2	0.7	< 0.2	2	< 0.5	4.4	37.6	76	8.47	30.8	6.5	1.32	6	1	5.4	1	2.8	0.38
34073	12	0.6	< 0.2	1	< 0.5	3.6	21.5	40.8	4.7	17.5	3.4	0.67	3	0.5	2.5	0.5	1.4	0.21
34074	28	0.6	< 0.2	< 1	< 0.5	7.3	28.9	54.7	6.29	23.3	4.6	0.93	4.3	0.6	3.4	0.7	2	0.29

Final Report
Activation Laboratories

Element:	Mo	Ag	In	Sn	Sb	Cs	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	2	0.5	0.2	1	0.5	0.5	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
34075	3	0.8	< 0.2	2	0.6	4.1	39.7	80	8.61	31.6	6.3	1.27	5.9	0.9	4.9	0.9	2.5	0.35
34076	15	< 0.5	< 0.2	< 1	< 0.5	3.9	28.9	54.6	6.17	22.5	4.2	0.88	3.8	0.5	3	0.6	1.7	0.25
34077	8	< 0.5	< 0.2	< 1	< 0.5	3.2	30.1	60.7	6.61	24.1	4.7	1.02	4.4	0.7	3.7	0.7	2	0.3
34078	< 2	< 0.5	< 0.2	< 1	0.5	2.9	36	72.8	8.02	29.3	5.6	1.19	5.3	0.8	4.2	0.8	2.2	0.31
34079	< 2	< 0.5	< 0.2	< 1	< 0.5	2.6	27	57.5	6.25	23.7	4.5	0.93	4.2	0.6	3.4	0.6	1.9	0.28
34080	< 2	< 0.5	< 0.2	< 1	< 0.5	3.2	31.5	65.6	7.01	26.2	5	0.97	4.7	0.6	3.3	0.6	1.7	0.24
34081	< 2	< 0.5	< 0.2	< 1	< 0.5	4.1	45	93	10	37.3	7.1	1.52	6.7	1	5.6	1	3	0.44
34082	< 2	< 0.5	< 0.2	< 1	< 0.5	2.2	25.9	54	5.75	20.4	3.8	0.88	3.2	0.5	2.5	0.4	1.2	0.17
34083	< 2	< 0.5	< 0.2	< 1	< 0.5	1.9	25.9	52.9	5.59	20.8	4	0.97	3.8	0.6	3.1	0.6	1.6	0.23
34084	< 2	< 0.5	< 0.2	< 1	< 0.5	1.8	26.4	53.4	5.71	21	3.9	1.01	3.4	0.5	2.5	0.5	1.3	0.18
34085	< 2	< 0.5	< 0.2	2	< 0.5	4.1	46.7	97.9	10.8	40.9	8.3	1.1	7.6	1.1	6.1	1.1	3.3	0.48
34086	< 2	< 0.5	< 0.2	1	< 0.5	4.9	62.6	120	13.6	50	8.9	1.72	7.4	1.1	5.9	1.1	3.2	0.47
34087	< 2	< 0.5	< 0.2	< 1	< 0.5	2.3	34.9	75.3	7.94	29.1	5.7	1.12	4.8	0.7	3.8	0.7	2	0.3
34088	< 2	< 0.5	< 0.2	2	< 0.5	2.4	36.6	79.7	8.37	31.4	5.9	1.1	5	0.7	3.8	0.7	2.2	0.32
34089	< 2	< 0.5	< 0.2	< 1	< 0.5	2.3	29.6	64	6.92	26.7	5.6	1.41	5.4	0.8	4.3	0.8	2.4	0.35
34090	< 2	< 0.5	< 0.2	1	< 0.5	3.4	44.6	96.1	10.2	37.5	6.7	1.29	5.8	0.8	4.5	0.8	2.5	0.37
34091	< 2	< 0.5	< 0.2	< 1	< 0.5	3	37	74.7	8.14	29.7	5.7	1.33	5.2	0.7	3.8	0.7	2	0.29
34092	< 2	< 0.5	< 0.2	1	< 0.5	3.3	40.7	82.2	8.85	32.9	6.2	1.24	5.4	0.8	3.9	0.7	2.2	0.32
34093	< 2	< 0.5	< 0.2	1	< 0.5	3.5	42.2	83.5	8.92	31.8	5.6	1.28	4.7	0.7	3.8	0.7	2.1	0.32
34094	< 2	< 0.5	< 0.2	1	< 0.5	4.3	54.9	109	11.8	42.4	7.7	1.55	6.4	0.9	5	1	3	0.44
34095	< 2	< 0.5	< 0.2	< 1	0.7	1.8	30	62.6	6.6	24	4.4	0.85	3.7	0.5	2.7	0.5	1.6	0.23
34096	< 2	< 0.5	< 0.2	2	0.6	4.5	63.6	130	14.3	54.3	11.1	2.22	10.8	1.5	7.7	1.3	3.8	0.53
34097	< 2	< 0.5	< 0.2	< 1	0.5	2.1	25.2	55	5.59	20.5	4	0.79	3.3	0.5	2.6	0.5	1.5	0.22
34098	< 2	< 0.5	< 0.2	< 1	0.8	2.7	27.8	58.3	6.03	22.3	4.2	0.85	3.7	0.6	3.1	0.6	1.7	0.26
34099	< 2	< 0.5	< 0.2	1	< 0.5	3	39.1	86.7	8.93	32.8	6.8	1.41	6.1	0.9	4.8	0.9	2.4	0.36
34100	< 2	< 0.5	< 0.2	< 1	0.6	2.1	34	72.4	7.58	28.4	5.5	1.07	4.6	0.7	3.5	0.7	2	0.29
34101	< 2	< 0.5	< 0.2	1	0.5	3.3	41.3	86.5	9.2	33.3	6.2	1.27	5.4	0.8	4.3	0.8	2.4	0.36
34102	< 2	< 0.5	< 0.2	1	< 0.5	2.7	41.3	90.3	9.59	38.4	8.3	1.45	7.8	1.1	5.9	1.1	3.2	0.45
34103	< 2	< 0.5	< 0.2	1	0.6	4.1	47.9	97.8	10.5	38.5	6.9	1.5	6.1	0.8	4.6	0.8	2.5	0.36
34104	< 2	< 0.5	< 0.2	< 1	< 0.5	2.9	49.9	96.2	10.7	39.3	6.8	1.42	6.1	0.9	4.5	0.8	2.4	0.34
34105	< 2	< 0.5	< 0.2	< 1	< 0.5	2.6	58.4	112	12.6	46.8	8.3	1.75	7.1	1	5.4	1	2.8	0.41
34106	< 2	< 0.5	< 0.2	< 1	< 0.5	2.8	56.6	110	12.2	45	8	1.62	7.1	1	5.3	1	2.7	0.39
34107	< 2	< 0.5	< 0.2	< 1	< 0.5	2	33.9	72.6	7.57	27.7	5.1	1.05	4.5	0.7	3.6	0.7	2	0.29
34108	< 2	< 0.5	< 0.2	< 1	< 0.5	1.5	23.2	47.5	5.16	18.5	3.4	0.76	3.1	0.4	2.3	0.4	1.2	0.18
34109	< 2	< 0.5	< 0.2	< 1	< 0.5	1.2	23.4	47.8	5.05	18.6	3.4	0.82	2.9	0.4	2.1	0.4	1.1	0.16
34110	< 2	< 0.5	< 0.2	< 1	< 0.5	2.6	42.6	88.8	9.57	36.8	7.2	1.5	7.2	1.1	6.2	1.2	3.5	0.52
34111	< 2	< 0.5	< 0.2	2	< 0.5	3	41.5	83	8.97	33.7	5.9	1.18	5.1	0.7	4	0.7	2.1	0.31
34112	< 2	< 0.5	< 0.2	17	< 0.5	2.6	38.3	77.9	8.4	31.1	5.6	0.91	4.5	0.6	3.4	0.6	1.8	0.27
34113	< 2	< 0.5	< 0.2	21	0.6	2.2	30.8	64.5	6.8	24.5	4.2	0.74	3.4	0.5	2.5	0.5	1.4	0.21
34114	< 2	< 0.5	0.5	9	< 0.5	4.4	47	90.1	10.2	37.7	6.6	1.3	5.9	0.8	4.5	0.8	2.4	0.36
34115	< 2	< 0.5	< 0.2	3	1.1	3.1	31.8	61.2	7.19	27.3	5.1	1.16	4.7	0.7	3.9	0.7	2.1	0.29
34116	< 2	< 0.5	< 0.2	11	< 0.5	4.2	54.4	108	11.9	43.2	7.9	1.5	6.4	0.9	5.1	0.9	2.8	0.41
34117	< 2	< 0.5	< 0.2	3	< 0.5	2.9	48.9	93.6	10.8	38.9	6.8	1.37	6.2	0.9	4.8	0.9	2.6	0.38
34118	< 2	< 0.5	< 0.2	< 1	3.1	2.7	38.4	71.1	8.04	29.7	5.4	1.08	4.8	0.7	3.8	0.7	2	0.29
34119	< 2	< 0.5	< 0.2	< 1	< 0.5	3.8	71.6	131	14.6	52.9	9.1	1.82	7.5	1	5.6	1	2.9	0.43
34120	< 2	< 0.5	< 0.2	1	< 0.5	3.6	71.6	130	15	53.4	9.5	1.89	7.5	1.1	5.6	1	2.8	0.4
34121	< 2	< 0.5	< 0.2	1	< 0.5	3.3	67.2	124	14	50.4	8.8	1.83	6.7	1	5.3	0.9	2.6	0.37
34122	< 2	< 0.5	< 0.2	< 1	< 0.5	1.8	30.8	58.2	6.57	23.7	4.3	0.87	3.6	0.6	3	0.6	1.7	0.25
34123	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	15	30.9	3.22	11.7	2.3	0.7	1.8	0.3	1.6	0.3	0.8	0.12

Final Report
Activation Laboratories

Element:	Mo	Ag	In	Sn	Sb	Cs	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	2	0.5	0.2	1	0.5	0.5	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
34124	4	< 0.5	< 0.2	< 1	< 0.5	2.2	80.8	141	14.9	53.5	9.3	2.59	7.2	1.1	5.3	0.9	2.4	0.32
34125	< 2	< 0.5	< 0.2	1	< 0.5	3.8	76.4	141	16	55.4	9.7	1.64	7.2	1.1	5.9	1.1	3.1	0.46
39251	< 2	< 0.5	< 0.2	2	< 0.5	3.4	63.6	118	13.1	46.2	8	1.22	6.2	0.9	5.2	1	2.8	0.41
39252	< 2	< 0.5	< 0.2	1	< 0.5	3.9	61.8	115	12.8	44	7.6	1.29	5.9	0.9	5	0.9	2.9	0.42
39253	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	10.6	20.5	2.25	8.2	1.6	0.53	1.4	0.2	1.3	0.2	0.7	0.1
39254	< 2	< 0.5	< 0.2	< 1	< 0.5	1.6	23.7	49.4	5.88	23.3	5.1	1.48	4.6	0.7	3.8	0.7	1.7	0.24
39255	< 2	< 0.5	< 0.2	1	< 0.5	3.6	47.3	89.4	10.1	36	6.6	1.14	5.2	0.8	4.5	0.9	2.5	0.37
39256	< 2	< 0.5	< 0.2	1	< 0.5	4.4	65.5	122	14.1	50.4	9.1	1.53	7.3	1.1	6.4	1.2	3.5	0.51
39257	< 2	< 0.5	< 0.2	1	< 0.5	3.4	45.8	86.6	9.69	35.1	6.6	1.3	5.4	0.9	4.9	0.9	2.6	0.39
39258	< 2	< 0.5	< 0.2	< 1	< 0.5	2.1	29.9	56.4	6.35	22.8	4.2	0.81	3.4	0.5	2.9	0.5	1.5	0.22
39259	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	34.3	71.3	8.53	34.5	7.6	2.38	7.4	1.1	5.6	1	2.7	0.36
39260	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	37.6	79.4	9.52	38	8.3	2.55	8.2	1.2	5.9	1.1	2.8	0.37
39261	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	33.6	71.3	8.54	33.9	7.6	2.46	7.5	1.1	5.5	1	2.7	0.35
39262	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	33.3	70.4	8.64	35.4	7.8	2.73	7.8	1.1	5.7	1	2.8	0.36
39263	< 2	< 0.5	< 0.2	2	1.6	2.6	48.5	95	11.1	41.9	8.3	1.87	7.5	1	5.4	1	2.7	0.39
39264	< 2	< 0.5	< 0.2	1	0.5	2.2	31.1	59.2	6.75	24.7	4.5	0.91	4	0.6	3.2	0.6	1.8	0.27
39265	< 2	< 0.5	< 0.2	1	0.6	2.4	35	67.5	7.49	27	4.8	1.01	4.2	0.6	3.3	0.6	1.8	0.25
39266	< 2	< 0.5	< 0.2	< 1	< 0.5	1.8	22.6	45.1	5.06	18.5	3.7	0.75	3.4	0.5	2.9	0.6	1.7	0.25
39267	< 2	< 0.5	< 0.2	< 1	< 0.5	1.3	23.1	46.1	5.11	18.5	3.5	0.86	3.3	0.5	2.8	0.5	1.5	0.22
39268	< 2	< 0.5	< 0.2	1	< 0.5	2.5	49.3	94.9	10.9	38.2	7.2	1.58	6.3	0.9	4.9	0.9	2.8	0.39
39269	< 2	< 0.5	< 0.2	< 1	< 0.5	0.9	18.6	39.5	4.72	18.6	4.1	1.09	4.1	0.6	3.4	0.6	1.8	0.25
39270	< 2	< 0.5	< 0.2	< 1	< 0.5	1	16.7	32.9	3.72	14.1	2.9	0.75	2.8	0.5	2.8	0.5	1.5	0.22
39271	< 2	< 0.5	< 0.2	2	< 0.5	4.9	59.5	113	12.9	47.1	9.1	1.83	7.9	1.2	6.4	1.2	3.6	0.54
39272	< 2	< 0.5	< 0.2	< 1	< 0.5	1.3	24.2	49.1	5.32	19	3.8	0.78	3.3	0.5	2.6	0.5	1.6	0.24
39273	< 2	< 0.5	< 0.2	< 1	< 0.5	1.2	20.4	41.1	4.46	16.3	3.2	0.7	3.1	0.5	2.6	0.5	1.6	0.24
39274	< 2	< 0.5	< 0.2	< 1	< 0.5	3.8	46.6	90.8	10.1	37.1	7.3	1.4	6.2	0.9	5	1	3	0.45
39275	< 2	< 0.5	< 0.2	1	< 0.5	3	38.1	76.4	8.46	31	6.1	1.21	5.5	0.8	4.5	0.9	2.7	0.4
39276	< 2	< 0.5	< 0.2	< 1	< 0.5	2.8	37.6	74.4	8.31	30	5.9	1.23	5.4	0.8	4.3	0.9	2.6	0.38
39277	< 2	< 0.5	< 0.2	3	< 0.5	3.7	39.2	78.9	8.84	31.9	6.4	1.27	5.7	0.8	4.7	0.9	2.6	0.38
39278	< 2	< 0.5	< 0.2	1	1.2	1.4	25.6	52.2	5.55	20	3.7	0.75	3	0.4	2.4	0.5	1.4	0.21
39279	< 2	< 0.5	< 0.2	2	< 0.5	2.8	26.4	57.2	6.25	22.3	4.1	0.88	3.7	0.5	2.8	0.6	1.8	0.27
39280	< 2	< 0.5	< 0.2	< 1	< 0.5	2.1	23.1	49.5	5.28	19.1	3.7	0.77	3.2	0.5	2.6	0.5	1.5	0.23
39281	< 2	< 0.5	< 0.2	2	< 0.5	5.2	43.2	89	9.87	35.3	6.4	1.28	5.4	0.7	4.1	0.8	2.3	0.34
39282	< 2	< 0.5	< 0.2	< 1	< 0.5	2.5	24	49.5	5.65	20.9	4.5	1.14	4.9	0.7	3.7	0.7	1.8	0.24
39283	< 2	< 0.5	< 0.2	< 1	< 0.5	2.5	28.3	61	6.43	23.1	4.5	0.91	3.7	0.5	2.9	0.6	1.7	0.25
39284	< 2	< 0.5	< 0.2	1	< 0.5	4.8	65.2	124	14.4	50	9.1	1.8	7.6	1.1	5.7	1.1	3.2	0.46
39285	< 2	< 0.5	< 0.2	1	< 0.5	3.1	39.2	79.4	8.84	31.2	5.8	1.12	5.2	0.7	4	0.8	2.3	0.32
39286	< 2	< 0.5	< 0.2	1	< 0.5	2.9	32.1	66.7	7.51	27.7	5.3	1.03	4.9	0.8	4.2	0.8	2.4	0.35
39287	< 2	< 0.5	< 0.2	< 1	< 0.5	2.7	36.2	77	8.52	31.8	6.5	1.41	6.1	0.9	4.5	0.8	2.4	0.35
39288	< 2	< 0.5	< 0.2	< 1	< 0.5	2	21.7	46.5	5.08	18.8	3.8	0.8	3.9	0.6	3.6	0.7	2.1	0.3
39289	< 2	< 0.5	< 0.2	< 1	< 0.5	2.2	26.5	55.1	6.23	22.7	4.5	1.03	4.2	0.6	3.5	0.7	1.9	0.27
39290	< 2	< 0.5	< 0.2	< 1	< 0.5	1.7	28.3	59.4	6.58	24.3	4.7	0.96	4.2	0.6	3.2	0.6	1.8	0.27
39291	< 2	< 0.5	< 0.2	1	< 0.5	5.4	34.2	67.5	7.46	26.9	5	1	4.3	0.6	3.5	0.7	2	0.29
39292	< 2	< 0.5	< 0.2	< 1	< 0.5	2.1	26.4	55.5	6.15	22.8	4.6	1.07	4.2	0.6	3.5	0.6	1.8	0.27
39293	< 2	< 0.5	< 0.2	< 1	< 0.5	2.9	29.2	59	6.96	23.7	4.3	0.92	4	0.6	3.3	0.6	1.8	0.27
39294	< 2	< 0.5	< 0.2	1	< 0.5	1.8	22.7	48.1	5.54	19.2	4	0.68	3.6	0.6	3.4	0.6	1.8	0.26
39295	< 2	< 0.5	< 0.2	2	< 0.5	1.9	22	42.6	4.94	17.8	3.4	0.7	3.2	0.5	2.7	0.5	1.5	0.23
39296	< 2	< 0.5	< 0.2	< 1	< 0.5	2	27.7	56.7	6.44	22.4	4.3	0.87	3.5	0.5	3	0.6	1.7	0.25
39297	< 2	< 0.5	< 0.2	< 1	< 0.5	3.3	36.6	74.4	8.7	29.7	5.7	1.22	5	0.7	4	0.8	2.2	0.32

Report: A06-1754

Final Report
Activation Laboratories

Element:	Mo	Ag	In	Sn	Sb	Cs	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	2	0.5	0.2	1	0.5	0.5	0.1	0.1	0.05	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.																		
39298	< 2	< 0.5	< 0.2	< 1	< 0.5	2.6	36.7	75.5	8.95	32.2	6.3	1.32	5.5	0.8	4.4	0.8	2.4	0.34
39299	< 2	< 0.5	< 0.2	1	< 0.5	3.3	55.2	113	12.8	44.5	7.7	1.63	6.1	0.9	4.7	0.9	2.5	0.36
39300	< 2	< 0.5	< 0.2	< 1	< 0.5	1.7	26	54.7	6.29	21.5	4.1	0.73	3.4	0.5	2.6	0.5	1.4	0.21
39301	< 2	< 0.5	< 0.2	< 1	< 0.5	3.4	50.3	98.3	11.3	39.2	7	1.42	5.7	0.8	4.3	0.8	2.3	0.33
39302	< 2	< 0.5	< 0.2	1	< 0.5	3.5	57.2	117	14.1	49.4	9.5	1.8	8.7	1.2	6.6	1.3	3.6	0.51
39303	< 2	< 0.5	< 0.2	1	< 0.5	1.8	33.2	68.1	7.95	27	5	1.02	4.2	0.6	3.3	0.6	1.8	0.27
39304	< 2	< 0.5	< 0.2	1	< 0.5	2.9	58.7	117	13.5	47.3	8.9	1.7	7.9	1.1	6.1	1.2	3.5	0.51
39305	< 2	< 0.5	< 0.2	1	< 0.5	2.5	46.6	89.6	10.6	36.3	6.2	1.29	5	0.7	3.7	0.7	2.1	0.31
39306	< 2	< 0.5	< 0.2	2	< 0.5	3.9	77.6	153	18.3	62.3	11.3	2.06	9	1.5	8.3	1.6	4.5	0.64
39307	< 2	< 0.5	< 0.2	1	< 0.5	1.9	38.4	80.5	9.04	31	5.5	1.1	4.7	0.6	3.4	0.7	2.1	0.31
39308	< 2	< 0.5	< 0.2	2	< 0.5	3.8	66.3	132	15.8	53	9.9	1.78	8.5	1.1	6.2	1.2	3.5	0.51
39309	< 2	< 0.5	< 0.2	< 1	< 0.5	2	36.2	75	8.63	28.7	5	1.08	4.6	0.7	3.8	0.7	2.2	0.33
39310	< 2	< 0.5	< 0.2	2	< 0.5	3.1	47	95.5	11.3	38.5	7	1.33	6	0.9	4.9	1	2.9	0.42
39311	< 2	< 0.5	< 0.2	1	< 0.5	1.5	29.6	62.4	7.31	27	5.6	1.4	5.1	0.7	4.2	0.8	2.1	0.3
39312	< 2	< 0.5	< 0.2	2	0.7	2.6	40.4	82.1	9.2	32.5	5.7	1.02	4.6	0.6	3.6	0.7	2.1	0.32
39313	< 2	< 0.5	< 0.2	< 1	< 0.5	1.9	30.8	64.9	7.3	25.8	4.6	0.86	4.1	0.6	3.4	0.7	2	0.3
39314	< 2	< 0.5	< 0.2	< 1	< 0.5	2	25.4	54.3	6.19	21.6	4.2	0.87	3.5	0.5	2.9	0.6	1.7	0.25
39315	< 2	< 0.5	< 0.2	< 1	< 0.5	2.1	32.1	67.1	7.72	26.5	4.8	0.85	4	0.6	3.1	0.6	1.8	0.26
39316	< 2	< 0.5	< 0.2	1	< 0.5	1.2	27	55	5.99	21	3.8	0.72	3.1	0.4	2.4	0.5	1.4	0.21
39317	< 2	< 0.5	< 0.2	2	0.8	2.9	42.5	86.9	9.77	35.1	6.4	1.21	5.4	0.8	4.3	0.8	2.4	0.36
39318	< 2	< 0.5	< 0.2	< 1	< 0.5	1.2	30	62.4	6.92	23.6	4.4	0.79	3.8	0.5	3	0.6	1.7	0.26
39319	< 2	< 0.5	< 0.2	< 1	< 0.5	1.9	37.5	78.4	8.83	30.8	5.6	1	4.6	0.6	3.2	0.6	1.9	0.28
39320	< 2	< 0.5	< 0.2	2	< 0.5	2.9	43.2	86.7	9.83	35.2	6.6	1.27	5.5	0.8	4.4	0.8	2.4	0.36
39321	< 2	< 0.5	< 0.2	< 1	< 0.5	2	29.6	63.3	7.07	24.5	4.6	0.89	3.8	0.5	2.8	0.5	1.6	0.24
39322	< 2	< 0.5	< 0.2	1	< 0.5	2.6	34	70.7	8.09	27.8	5.1	0.95	4.2	0.6	3	0.6	1.8	0.27
39323	< 2	< 0.5	< 0.2	1	< 0.5	2.3	39.2	83.2	9.41	32.5	5.6	1.08	4.7	0.6	3.4	0.7	1.9	0.29
39324	< 2	< 0.5	< 0.2	1	1.1	1.6	27.3	55.7	6.1	21.6	4	0.78	3.4	0.5	2.8	0.6	1.7	0.25
39325	< 2	< 0.5	< 0.2	2	< 0.5	2.1	34	69.4	7.99	29	5.5	1.16	4.6	0.7	3.7	0.7	2.1	0.3

Element:	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.										
34026	1.9	0.28	5.3	1.3	2	0.2	6	< 0.4	6.2	1.8
34027	2.1	0.33	6.3	0.6	2	0.3	10	< 0.4	7.2	1.9
34028	2.6	0.39	5.1	2.7	4	0.4	13	< 0.4	9.6	3
34029	3.8	0.56	5.6	1.5	2	1.1	39	0.6	22.3	4
34030	2.1	0.32	6.2	0.7	2	0.4	11	< 0.4	12.1	2.5
34031	2.7	0.41	5.4	0.8	1	0.5	20	0.5	10.3	2.8
34032	4.2	0.62	5.6	1.3	2	0.6	19	< 0.4	17.1	4.1
34033	2.8	0.41	6.1	1	2	0.7	24	< 0.4	12.7	3.2
34034	2.2	0.34	4.6	0.9	1	0.4	51	0.4	13.5	2.9
34035	2.9	0.43	5.7	1	3	0.7	16	< 0.4	15.1	3.2
34036	1.7	0.26	5.1	0.6	1	0.3	14	< 0.4	9.8	1.9
34037	1.6	0.25	4.1	0.6	< 1	0.5	30	0.9	10.3	2.3
34038	2.8	0.41	5.1	1.1	1	0.8	18	0.7	16.2	3.6
34039	2.4	0.34	4.8	1.2	2	0.9	50	1.6	19.3	3.5
34040	3.4	0.5	4.5	1.7	2	1.4	20	0.8	28.2	5.4
34041	1.9	0.28	4.5	0.8	1	0.6	16	0.6	13.8	2.9
34042	3	0.44	5.3	1.6	2	1.2	18	0.7	21.9	4.9
34043	2.8	0.42	7	1.3	1	0.9	12	0.5	20.6	4.4
34044	2.5	0.38	4.5	1	1	0.8	32	0.6	13.4	3.3
34045	4	0.6	6.5	1.3	2	0.8	9	< 0.4	16.9	4.5
34046	2.8	0.4	3.6	0.9	2	0.8	159	1.6	15.4	3.8
34047	3.4	0.51	5	1.1	2	0.8	21	< 0.4	15.6	3.9
34048	3.6	0.53	4.3	1.3	2	1.1	37	0.9	18.3	4.1
34049	1.5	0.24	4.6	0.5	1	0.4	12	< 0.4	8.6	1.8
34050	1.3	0.21	4	0.4	< 1	0.3	8	< 0.4	7.5	1.8
34051	2	0.32	4.9	0.8	1	0.5	12	< 0.4	11.4	2.6
34052	2.6	0.39	5.5	1	1	0.5	11	< 0.4	10.2	2.7
34053	2.7	0.41	4	1.5	1	0.6	7	< 0.4	12.9	3.1
34054	3.3	0.48	4.3	1.6	2	0.8	31	0.7	13.9	3.6
34055	4.2	0.63	5.5	1.3	1	0.8	17	< 0.4	15.7	4.2
34056	2.4	0.37	6.5	0.6	< 1	0.3	10	< 0.4	7.6	2.2
34057	3.1	0.45	5.7	1.1	2	0.6	8	< 0.4	13.5	3.5
34058	1.8	0.28	5.4	0.7	< 1	0.4	12	< 0.4	10.9	2.5
34059	2.3	0.36	5.2	0.8	2	0.4	8	< 0.4	9.8	3.2
34060	4.2	0.63	5.2	1.6	3	0.8	19	< 0.4	17.2	5.4
34061	3	0.46	6.6	0.9	2	1.1	< 5	< 0.4	11.5	3.5
34062	3.6	0.49	4.8	1.2	2	1.2	10	< 0.4	16	7.3
34063	2.4	0.34	4	1.1	1	1.2	15	< 0.4	16.3	4.7
34064	2.5	0.34	4.1	1.3	1	1.8	33	0.7	17.7	5.5
34065	1.4	0.22	1.6	0.5	3	0.9	19	< 0.4	5.8	8.4
34066	2.5	0.34	4.1	1.3	2	1.5	19	< 0.4	17.2	4.9
34067	1.5	0.22	2.1	0.7	2	1.2	10	< 0.4	8.2	7
34068	1.2	0.18	1.4	0.4	2	1.2	22	< 0.4	5.5	7.1
34069	1.1	0.18	1	0.3	1	1	9	< 0.4	4	7.8
34070	1.3	0.21	1.1	0.4	< 1	1.3	27	< 0.4	4.3	8.3
34071	1.1	0.17	1.2	0.4	< 1	1.2	7	< 0.4	4.7	7.1
34072	2.3	0.32	4	1.1	< 1	1.6	20	< 0.4	16.8	4.1
34073	1.4	0.24	1.7	0.5	< 1	1.3	24	< 0.4	7.1	5
34074	1.8	0.27	2.5	0.8	3	1.3	13	< 0.4	9.4	8.6

Element:	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.										
34075	2.1	0.3	4	1.1	3	1.3	30	< 0.4	14.7	4.1
34076	1.6	0.25	2.1	0.8	2	1.1	11	< 0.4	8	6.2
34077	1.9	0.29	2.1	0.7	1	0.8	7	< 0.4	8.8	4.5
34078	2	0.31	3	1	2	0.7	11	< 0.4	11.9	2.7
34079	1.7	0.26	2.4	0.7	1	0.5	9	< 0.4	8.9	2
34080	1.5	0.22	2	1	1	0.5	8	< 0.4	7.7	3.2
34081	2.7	0.39	2.8	1.3	2	0.5	8	< 0.4	10.9	3.9
34082	1.1	0.16	1.6	0.7	< 1	0.4	8	< 0.4	6.7	2.7
34083	1.5	0.21	1.5	0.6	2	0.3	7	< 0.4	6	3.1
34084	1.1	0.17	1.6	0.7	1	0.4	13	< 0.4	6.2	2.7
34085	2.9	0.41	5	1.5	< 1	1.1	18	< 0.4	20.2	6.1
34086	3	0.46	5	1.4	2	1	5	< 0.4	17.9	5.1
34087	2	0.3	6.6	1	1	0.5	19	< 0.4	14.4	3
34088	2	0.31	7.3	0.9	1	0.5	31	< 0.4	16.4	3.6
34089	2.3	0.34	5.7	1.3	< 1	0.4	12	< 0.4	10.2	2.4
34090	2.4	0.38	8.2	1.2	8	0.7	18	< 0.4	19.1	3.9
34091	1.9	0.28	4.5	1.2	2	0.6	26	< 0.4	11.6	2.6
34092	2	0.31	4.4	1	1	0.7	16	< 0.4	13.4	3
34093	2.1	0.32	5.3	1.1	2	0.7	14	0.4	13.4	3.2
34094	2.8	0.4	5.1	1.2	3	1.1	21	< 0.4	16.8	3.9
34095	1.5	0.23	5.7	0.7	2	0.4	15	< 0.4	13	2.6
34096	3.3	0.49	5.7	1.3	5	1	16	< 0.4	19.6	4.5
34097	1.4	0.22	5.5	0.7	4	0.4	16	< 0.4	10.6	2.3
34098	1.7	0.25	4.7	0.8	2	0.6	76	< 0.4	10.7	2.3
34099	2.3	0.34	6.5	1.3	2	0.6	10	< 0.4	14	3.4
34100	1.8	0.29	6.7	0.9	3	0.5	20	< 0.4	13.9	2.9
34101	2.4	0.37	6	1.2	2	0.7	39	< 0.4	15.2	3.6
34102	2.7	0.4	6.4	1.2	9	0.7	26	< 0.4	14.4	3.5
34103	2.3	0.34	5.9	1.6	2	0.7	23	< 0.4	15.4	3.4
34104	2.2	0.32	3.9	1.6	< 1	0.6	14	< 0.4	13.5	2.3
34105	2.5	0.36	5.2	2.1	< 1	0.6	23	< 0.4	14.9	3
34106	2.5	0.37	5.4	2.1	2	0.5	8	< 0.4	15.3	2.8
34107	1.8	0.26	2	0.8	3	0.3	18	< 0.4	9	2.7
34108	1.1	0.16	1.5	0.6	< 1	0.2	7	< 0.4	6	2.5
34109	1	0.14	1.4	0.5	< 1	0.2	7	< 0.4	5.4	2.3
34110	3.1	0.44	2.7	1	2	0.4	8	< 0.4	10.3	4.8
34111	2	0.3	5.8	1	2	0.6	29	0.5	13.5	2.8
34112	1.7	0.26	7.5	0.7	3	0.6	12	< 0.4	15.9	2.8
34113	1.4	0.21	7.4	0.7	3	0.5	26	1.3	14.1	2.4
34114	2.2	0.32	4.3	0.9	3	0.8	47	0.5	15	3.4
34115	1.8	0.27	2.8	1.2	2	0.5	23	< 0.4	8.2	1.6
34116	2.7	0.38	6.1	1.3	3	0.7	17	0.8	19.7	4.6
34117	2.4	0.36	3.8	1.1	5	0.6	17	< 0.4	14.4	3.2
34118	1.8	0.27	2.9	0.9	< 1	0.4	24	< 0.4	10.3	2
34119	2.7	0.41	4.9	2.1	1	0.7	23	< 0.4	18.3	3.3
34120	2.6	0.39	5	2.2	1	0.6	16	< 0.4	17.8	3.4
34121	2.4	0.35	4.8	2.8	2	0.6	17	< 0.4	16	3
34122	1.6	0.24	3	0.7	< 1	0.3	14	< 0.4	8.4	2
34123	0.8	0.12	2.1	0.3	< 1	< 0.1	18	< 0.4	4.2	1.2

Final Report
Activation Laboratories

Element:	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.										
34124	2	0.29	6.8	6.9	3	0.4	< 5	< 0.4	12.6	2.8
34125	2.9	0.43	3.8	1.6	2	0.7	7	< 0.4	19.8	2.7
39251	2.6	0.38	3.7	1.6	2	0.5	31	< 0.4	15.9	2.5
39252	2.8	0.4	3.9	1.7	2	0.7	5	< 0.4	16.1	2.7
39253	0.6	0.09	0.8	0.2	< 1	< 0.1	6	< 0.4	2.1	1
39254	1.5	0.22	3.5	2	2	0.2	< 5	< 0.4	3.5	0.9
39255	2.4	0.36	3.5	1.3	1	0.5	7	< 0.4	12.5	2
39256	3.3	0.48	3.9	1.6	1	0.8	12	1	17.9	4
39257	2.5	0.36	2.8	1.2	< 1	0.5	14	< 0.4	12.6	2.2
39258	1.4	0.21	2	0.8	< 1	0.4	12	< 0.4	8.2	1.7
39259	2.2	0.31	5.2	3	2	0.1	< 5	< 0.4	4.3	1.1
39260	2.3	0.32	5.8	3.3	6	0.1	< 5	< 0.4	5	1.1
39261	2.1	0.29	5.1	2.9	2	0.1	< 5	< 0.4	4.3	1
39262	2.2	0.31	5.1	2.9	2	< 0.1	< 5	< 0.4	4.3	1
39263	2.5	0.36	4.4	2.1	1	0.5	8	1	11.8	2.3
39264	1.7	0.24	2.5	0.9	2	0.4	8	< 0.4	9.8	2.3
39265	1.6	0.24	2.7	1	2	0.4	22	< 0.4	9.7	2.4
39266	1.6	0.24	2.9	0.6	1	0.2	8	< 0.4	7.1	1.8
39267	1.4	0.21	2.8	0.7	2	0.3	17	< 0.4	6.6	1.7
39268	2.4	0.36	4	1.9	3	0.5	18	< 0.4	13.2	2.9
39269	1.5	0.23	2.5	0.9	3	0.1	26	< 0.4	3.8	1
39270	1.5	0.21	3.2	0.5	2	0.2	24	0.4	6	1.6
39271	3.4	0.5	4.4	1.3	2	0.9	38	0.9	17.9	4.5
39272	1.6	0.24	5.3	0.6	1	0.3	6	< 0.4	10.9	2.4
39273	1.5	0.23	4.1	0.6	2	0.2	21	< 0.4	9	2
39274	2.8	0.41	5.1	1.1	2	0.6	9	< 0.4	16.5	4
39275	2.6	0.39	6.4	1	2	0.6	17	< 0.4	16.1	3.6
39276	2.4	0.36	3.9	0.8	3	0.6	33	< 0.4	12.5	3
39277	2.5	0.38	4	1	3	0.8	11	< 0.4	13.7	3.3
39278	1.4	0.21	4.8	0.7	1	0.4	9	0.4	11.7	2.4
39279	1.8	0.29	5.6	1	3	0.5	15	< 0.4	12.3	2.7
39280	1.4	0.21	3.4	0.8	< 1	0.5	46	< 0.4	9.6	2
39281	2.2	0.32	5.6	1.1	2	0.8	10	< 0.4	16.3	3.2
39282	1.5	0.21	4.1	0.6	1	0.3	35	< 0.4	10	9.1
39283	1.6	0.24	4.6	1	1	0.6	15	< 0.4	11.6	2.5
39284	2.9	0.42	3.9	1.3	2	1	15	< 0.4	20.5	4.1
39285	2.1	0.32	4.3	1	2	0.7	18	< 0.4	15.7	3.2
39286	2.2	0.32	2.3	0.7	1	0.6	14	< 0.4	10	4.1
39287	2.2	0.31	5.4	1.4	2	0.8	12	< 0.4	12	2.5
39288	1.9	0.28	1.5	0.5	2	0.4	12	< 0.4	6.3	4.2
39289	1.7	0.26	3.6	0.9	1	0.5	8	< 0.4	8.2	2
39290	1.8	0.28	5.2	0.9	1	0.4	7	< 0.4	11.4	2.5
39291	1.9	0.27	4.3	0.9	2	0.7	24	< 0.4	12.2	3.2
39292	1.7	0.25	4.7	1.1	2	0.5	18	< 0.4	9.8	2
39293	1.7	0.27	3.7	0.7	2	1	12	< 0.4	10.7	2.4
39294	1.6	0.21	3.6	0.9	1	0.4	43	< 0.4	10	3.3
39295	1.5	0.23	2.8	0.7	< 1	0.5	26	< 0.4	8.7	2.4
39296	1.7	0.25	4.1	0.8	2	0.6	19	< 0.4	10.9	2.5
39297	2.1	0.3	4.3	1.2	1	0.6	22	< 0.4	13.3	3.1

Element:	Yb	Lu	Hf	Ta	W	Tl	Pb	Bi	Th	U
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.1	0.04	0.2	0.1	1	0.1	5	0.4	0.1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.										
39298	2.1	0.31	4.2	1.4	2	0.6	40	0.7	11.3	2.6
39299	2.3	0.34	5.8	1.4	1	0.7	16	< 0.4	16.5	3
39300	1.3	0.22	4.6	0.6	< 1	0.3	20	< 0.4	10.4	2.2
39301	2.1	0.31	3.8	1.6	2	0.7	9	< 0.4	13.6	3.1
39302	3.2	0.47	4.7	1.3	2	1	11	< 0.4	18.1	4.7
39303	1.7	0.25	4.7	0.8	1	0.5	15	0.4	12.5	2.3
39304	3.2	0.47	6.2	1.5	1	0.9	13	< 0.4	20.2	4.5
39305	2	0.3	3.5	0.8	1	0.8	22	< 0.4	14.6	3.5
39306	4.1	0.6	4.2	1.4	2	1.3	24	< 0.4	22.6	3.9
39307	2.1	0.32	6.6	1.1	1	0.6	18	< 0.4	16.1	3.5
39308	3.2	0.47	4.5	1.3	2	1.2	40	0.6	20.9	4.2
39309	2	0.3	4.7	0.8	< 1	0.6	16	< 0.4	14.2	3.1
39310	2.7	0.42	4.4	1.2	2	1.1	23	0.6	16.5	3.8
39311	1.9	0.29	5.6	1.6	2	0.5	13	< 0.4	9.4	2.1
39312	2.1	0.32	6.5	1	1	0.9	35	0.9	16.4	3.4
39313	1.9	0.3	7.6	0.9	< 1	0.6	29	< 0.4	15.7	3.2
39314	1.6	0.25	5.6	0.9	1	0.7	18	< 0.4	12	2.5
39315	1.7	0.27	7.1	0.9	1	0.6	16	< 0.4	15.9	2.7
39316	1.4	0.21	5.8	0.7	< 1	0.4	16	0.4	12.8	2.1
39317	2.4	0.36	6.7	1.2	1	1.1	19	0.5	17.7	3.6
39318	1.7	0.26	6.9	0.8	< 1	0.4	18	< 0.4	14.9	2.6
39319	1.8	0.28	6.5	1	1	0.6	24	< 0.4	18.4	3.1
39320	2.3	0.34	5.6	1.1	1	1	26	0.4	16	3.4
39321	1.7	0.25	6.5	0.9	< 1	0.6	21	< 0.4	14.5	2.3
39322	1.7	0.26	5	0.9	1	0.9	24	< 0.4	14.9	2.7
39323	1.9	0.3	6.1	0.9	< 1	1.2	23	< 0.4	17.2	3.5
39324	1.6	0.24	6	0.7	2	1.5	17	< 0.4	12.9	2.7
39325	1.9	0.28	4.6	1.1	2	1.7	72	0.4	12	2.9

Element:	Au	As	Br	Cr	Ir	Sb	Sc	Se	Mass
Units:	ppb	ppm	ppm	ppm	ppb	ppm	ppm	ppm	g
Detection Limit:	2	0.5	0.5	5	5	0.2	0.1	3	
Reference Method:	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
Client I.D.									
34026	< 2	11.7	< 0.5	105	< 5	0.3	7.5	< 3	27
34027	< 2	3.1	< 0.5	65	< 5	< 0.2	4.4	< 3	25.4
34028	< 2	31.7	< 0.5	169	< 5	0.8	16.6	< 3	27.3
34029	< 2	7.4	< 0.5	123	< 5	0.5	16.6	< 3	19.5
34030	< 2	6.8	< 0.5	44	< 5	0.5	6.3	< 3	27.1
34031	7	4	< 0.5	69	< 5	0.4	7.9	< 3	24.8
34032	< 2	13.9	< 0.5	61	< 5	0.5	13.1	< 3	22.3
34033	< 2	5.4	< 0.5	86	< 5	0.4	9.4	< 3	22.4
34034	< 2	11.3	< 0.5	73	< 5	0.5	9.7	< 3	24.6
34035	< 2	6.7	< 0.5	99	< 5	0.4	10.4	< 3	22.9
34036	< 2	3.7	< 0.5	42	< 5	0.4	5.2	< 3	25.5
34037	< 2	3.6	< 0.5	72	< 5	0.3	6.6	< 3	25.5
34038	< 2	2.1	< 0.5	86	< 5	0.5	12.4	< 3	22.1
34039	< 2	6.7	< 0.5	69	< 5	0.3	10.5	< 3	22.4
34040	7	11.2	< 0.5	78	< 5	0.4	14.9	< 3	22.1
34041	< 2	5.2	< 0.5	67	< 5	0.4	6.4	< 3	24.8
34042	< 2	9.6	< 0.5	74	< 5	0.6	13.2	< 3	22.5
34043	< 2	6.2	< 0.5	75	< 5	0.4	9.5	< 3	22.2
34044	5	2.8	< 0.5	71	< 5	0.4	10.8	< 3	23.3
34045	< 2	3.3	< 0.5	103	< 5	0.9	15.2	< 3	23.9
34046	< 2	12.1	< 0.5	89	< 5	0.7	13.3	< 3	23.4
34047	< 2	9.9	< 0.5	90	< 5	0.6	12.2	< 3	21.1
34048	< 2	14.2	< 0.5	101	< 5	0.7	15.9	< 3	21.9
34049	< 2	3.9	< 0.5	87	< 5	0.5	4.8	< 3	26.9
34050	< 2	3.1	< 0.5	35	< 5	0.5	3.9	< 3	27.5
34051	< 2	8.1	< 0.5	93	< 5	0.6	8.2	< 3	24.6
34052	< 2	14.8	< 0.5	170	< 5	0.7	12.5	< 3	24.7
34053	< 2	11.4	< 0.5	143	< 5	1	13.9	< 3	23.4
34054	6	19.1	< 0.5	131	< 5	2.1	15.5	< 3	24
34055	< 2	4.6	< 0.5	100	< 5	1.7	15.1	< 3	22.7
34056	< 2	3.3	< 0.5	41	< 5	0.8	6.7	< 3	26.1
34057	< 2	4	< 0.5	109	< 5	1.6	12.4	< 3	20.3
34058	< 2	3.2	< 0.5	48	< 5	1.1	5.9	< 3	26.5
34059	< 2	1.9	< 0.5	68	< 5	1.4	8	< 3	24
34060	< 2	5.9	< 0.5	82	< 5	5.1	17.6	< 3	20.9
34061	< 2	1.1	< 0.5	101	< 5	1.5	10.8	< 3	24.9
34062	< 2	11.2	< 0.5	39	< 5	1.3	7.2	< 3	21.2
34063	< 2	15.9	< 0.5	45	< 5	2.6	4.7	< 3	22.9
34064	< 2	17.6	< 0.5	22	< 5	3.4	5.3	< 3	23.3
34065	12	38.3	< 0.5	113	< 5	8.7	5.9	9	23.6
34066	4	4.7	< 0.5	12	< 5	1.6	4.1	< 3	25
34067	7	33.4	< 0.5	85	< 5	9.8	5.3	< 3	23.4
34068	< 2	43.4	< 0.5	52	< 5	13.1	5.4	12	24.9
34069	< 2	26.7	< 0.5	92	< 5	12.3	5.1	8	25.7
34070	< 2	27.4	< 0.5	70	< 5	10	5.1	< 3	22.8
34071	< 2	31.9	< 0.5	53	< 5	11.7	5.4	7	24
34072	11	11.9	< 0.5	41	< 5	3.7	4.3	< 3	24
34073	< 2	13.4	< 0.5	58	< 5	3.2	7.8	< 3	22.1
34074	< 2	37.1	< 0.5	82	< 5	8.6	6.8	8	26.1
34075	< 2	9.8	< 0.5	28	< 5	3.4	5.6	< 3	23.5
34076	< 2	20.8	< 0.5	79	< 5	5.3	7.5	< 3	24.3
34077	< 2	6.4	< 0.5	79	< 5	2.5	7.6	< 3	24.5
34078	< 2	7.5	< 0.5	55	< 5	4.1	8.5	< 3	25.6
34079	< 2	6.3	< 0.5	50	< 5	2.8	7.3	< 3	26.1
34080	7	14.4	< 0.5	100	< 5	4.7	6.9	< 3	26.1
34081	< 2	18.4	< 0.5	115	< 5	5.4	9.7	< 3	22.6
34082	< 2	12.2	< 0.5	63	< 5	3.4	5.4	< 3	24.2
34083	< 2	12.1	< 0.5	51	< 5	2.9	5.1	< 3	25.9
34084	< 2	10	< 0.5	50	< 5	2	4.8	< 3	27.6
34085	< 2	24.7	< 0.5	< 5	< 5	0.8	5.8	< 3	21.7
34086	< 2	3.3	< 0.5	101	< 5	1.4	14.7	< 3	20.8
34087	< 2	23.9	< 0.5	169	< 5	0.5	10.5	< 3	24.3
34088	< 2	11	< 0.5	48	< 5	0.4	7.1	< 3	27.3
34089	< 2	33.6	< 0.5	314	< 5	0.6	17.2	< 3	26.6
34090	< 2	11.6	< 0.5	72	< 5	0.4	10.3	< 3	23.5
34091	< 2	28.3	< 0.5	125	< 5	0.8	13.5	< 3	24.1
34092	< 2	47.6	< 0.5	214	< 5	0.4	13	< 3	24.2
34093	< 2	5.8	< 0.5	83	< 5	0.6	13	< 3	22.9
34094	< 2	13.6	< 0.5	80	< 5	0.9	14.6	< 3	22.4

Element:	Au	As	Br	Cr	Ir	Sb	Sc	Se	Mass
Units:	ppb	ppm	ppm	ppm	ppb	ppm	ppm	ppm	g
Detection Limit:	2	0.5	0.5	5	5	0.2	0.1	3	
Reference Method:	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
Client I.D.									
34095	< 2	9.1	< 0.5	43	< 5	0.5	6.1	< 3	25.7
34096	< 2	10.6	< 0.5	95	< 5	< 0.2	15.2	< 3	21
34097	< 2	12.5	< 0.5	49	< 5	0.3	6.8	< 3	26.3
34098	< 2	13.6	< 0.5	51	< 5	0.5	7.7	< 3	25.2
34099	< 2	16.1	< 0.5	97	< 5	0.3	12.7	< 3	24
34100	< 2	13.1	< 0.5	67	< 5	< 0.2	8.9	< 3	24.4
34101	< 2	14.7	< 0.5	90	< 5	0.6	13.9	< 3	23
34102	< 2	13.5	< 0.5	87	< 5	< 0.2	12.4	< 3	24.2
34103	< 2	25.1	< 0.5	104	< 5	0.5	12.2	< 3	24.3
34104	< 2	12.2	< 0.5	72	< 5	0.3	10.1	< 3	22.7
34105	< 2	13	< 0.5	117	< 5	< 0.2	11.8	< 3	23.4
34106	< 2	13.3	< 0.5	118	< 5	< 0.2	11.9	< 3	22.2
34107	< 2	5.1	< 0.5	46	< 5	0.5	6.8	< 3	22.3
34108	< 2	17.3	< 0.5	48	< 5	2.4	4.8	< 3	25.1
34109	3	16.9	< 0.5	47	< 5	2.5	4.1	< 3	23.2
34110	< 2	30.7	< 0.5	75	< 5	5	8.8	< 3	23.6
34111	< 2	13.3	< 0.5	61	< 5	0.4	9.2	< 3	24.2
34112	< 2	6.7	< 0.5	48	< 5	0.3	6.3	< 3	24.4
34113	< 2	6.7	< 0.5	32	< 5	0.3	4.9	< 3	24.8
34114	< 2	10.9	< 0.5	68	< 5	1	9.3	< 3	23
34115	< 2	31.2	< 0.5	104	< 5	0.7	10.6	< 3	24.1
34116	< 2	8.9	< 0.5	80	< 5	< 0.2	11.1	< 3	22.1
34117	< 2	13.7	< 0.5	58	< 5	0.3	9	< 3	22.1
34118	< 2	10.2	< 0.5	44	< 5	0.5	6.8	< 3	25.3
34119	< 2	12.1	< 0.5	101	< 5	1	12.9	< 3	23.1
34120	< 2	8.8	< 0.5	105	< 5	0.6	12.2	< 3	22.3
34121	< 2	12.6	< 0.5	88	< 5	< 0.2	11.2	< 3	24
34122	< 2	1.6	0.8	34	< 5	0.2	5.1	< 3	25.6
34123	< 2	9.9	< 0.5	23	< 5	0.2	2.9	< 3	27.4
34124	< 2	26.9	< 0.5	79	< 5	< 0.2	11.6	< 3	24.2
34125	< 2	14.2	< 0.5	80	< 5	0.6	13.4	< 3	21.6
39251	< 2	10.5	< 0.5	63	< 5	0.4	10.9	< 3	21.8
39252	< 2	3.1	< 0.5	71	< 5	0.5	11.8	< 3	23.4
39253	< 2	5.1	< 0.5	13	< 5	1.4	2	< 3	25.1
39254	< 2	35.2	< 0.5	160	< 5	0.7	21.9	< 3	25.5
39255	< 2	17.5	< 0.5	81	< 5	< 0.2	12.4	< 3	21.4
39256	< 2	30.1	< 0.5	102	< 5	0.6	13.9	< 3	22.1
39257	< 2	10	< 0.5	74	< 5	0.6	10.2	< 3	20.8
39258	7	3	< 0.5	49	< 5	< 0.2	6.6	< 3	25.1
39259	< 2	3.7	< 0.5	71	< 5	1.2	23.7	< 3	24.5
39260	< 2	15.1	< 0.5	32	< 5	1.3	23.1	< 3	26
39261	< 2	4.4	< 0.5	46	< 5	0.8	21.6	< 3	30.1
39262	< 2	< 0.5	< 0.5	62	< 5	0.4	22.7	< 3	27.7
39263	< 2	4.4	< 0.5	75	< 5	0.4	17.8	< 3	25.4
39264	< 2	9.2	< 0.5	56	< 5	< 0.2	7.2	< 3	25.7
39265	< 2	12.4	< 0.5	44	< 5	0.2	5.7	< 3	26.3
39266	< 2	< 0.5	< 0.5	25	< 5	0.3	4.6	< 3	28.4
39267	< 2	2.6	< 0.5	31	< 5	< 0.2	4.2	< 3	27.7
39268	< 2	8.2	< 0.5	136	< 5	0.4	10	< 3	26.4
39269	< 2	126	< 0.5	417	< 5	0.6	15.1	< 3	29.5
39270	< 2	71	< 0.5	522	< 5	< 0.2	14.4	< 3	26.3
39271	< 2	5.4	< 0.5	125	< 5	0.7	16.1	< 3	20.2
39272	< 2	< 0.5	< 0.5	49	< 5	< 0.2	5.4	< 3	28.5
39273	9	1.5	< 0.5	41	< 5	0.4	5.3	< 3	29.3
39274	< 2	2.8	< 0.5	100	< 5	0.9	13	< 3	22.8
39275	< 2	< 0.5	< 0.5	68	< 5	0.5	9.5	< 3	23.8
39276	< 2	< 0.5	< 0.5	66	< 5	< 0.2	9.3	< 3	24
39277	< 2	49.6	< 0.5	162	< 5	0.5	12.4	< 3	25.2
39278	< 2	1.3	< 0.5	32	< 5	< 0.2	5.1	< 3	28.6
39279	< 2	12.3	< 0.5	95	< 5	0.3	8.7	< 3	28.2
39280	< 2	1	< 0.5	46	< 5	0.3	7.3	< 3	27.3
39281	< 2	13.5	< 0.5	119	< 5	< 0.2	10.8	< 3	24.3
39282	< 2	7.1	< 0.5	52	< 5	0.6	5.4	< 3	27.3
39283	< 2	< 0.5	< 0.5	64	< 5	< 0.2	10.1	< 3	28.1
39284	10	4.4	< 0.5	81	< 5	1.1	14.3	< 3	24.8
39285	< 2	6.5	< 0.5	58	< 5	0.3	9.1	< 3	25.8
39286	< 2	1.2	< 0.5	68	< 5	1	8.2	< 3	25.1
39287	< 2	2.9	< 0.5	67	< 5	0.4	12.5	< 3	27.9
39288	< 2	2	< 0.5	60	< 5	0.7	6.4	< 3	27.9

Element:	Au	As	Br	Cr	Ir	Sb	Sc	Se	Mass
Units:	ppb	ppm	ppm	ppm	ppb	ppm	ppm	ppm	g
Detection Limit:	2	0.5	0.5	5	5	0.2	0.1	3	
Reference Method:	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
Client I.D.									
39289	4	8.7	< 0.5	80	< 5	0.5	8.1	< 3	30.2
39290	< 2	2.7	< 0.5	66	< 5	0.4	6.9	< 3	31.1
39291	< 2	4.3	< 0.5	68	< 5	0.4	8.6	< 3	26
39292	< 2	11.6	< 0.5	70	< 5	< 0.2	11.8	< 3	26.7
39293	< 2	8.7	< 0.5	59	< 5	0.3	8.3	< 3	28
39294	< 2	< 0.5	< 0.5	27	< 5	< 0.2	4.2	< 3	28.6
39295	< 2	4.2	< 0.5	48	< 5	0.4	6.2	< 3	27.5
39296	< 2	23.6	< 0.5	69	< 5	0.4	7.1	< 3	29.5
39297	< 2	11.4	< 0.5	98	< 5	< 0.2	10.7	< 3	27.4
39298	< 2	30	< 0.5	218	< 5	< 0.2	12.5	< 3	27.1
39299	< 2	6.7	< 0.5	113	< 5	< 0.2	13.5	< 3	24.6
39300	5	1.9	< 0.5	41	< 5	< 0.2	5.2	< 3	26.6
39301	< 2	4.8	< 0.5	77	< 5	< 0.2	10	< 3	27.7
39302	< 2	3.6	< 0.5	94	< 5	0.5	15.7	< 3	26.4
39303	< 2	12.3	< 0.5	97	< 5	0.7	8.2	< 3	26.9
39304	< 2	2.3	< 0.5	110	< 5	0.5	16.2	< 3	22.5
39305	< 2	2.8	< 0.5	72	< 5	< 0.2	10.7	< 3	21
39306	< 2	18	< 0.5	120	< 5	0.5	19	< 3	19
39307	< 2	6.3	< 0.5	79	< 5	< 0.2	9.9	< 3	24.5
39308	14	4.6	< 0.5	103	< 5	0.5	15.5	< 3	23.5
39309	< 2	0.8	< 0.5	78	< 5	0.6	8.3	< 3	27.6
39310	< 2	6	< 0.5	102	< 5	0.7	14.1	< 3	23.9
39311	< 2	35.1	< 0.5	375	< 5	0.7	18.6	< 3	26.3
39312	7	7.2	< 0.5	74	< 5	0.4	9.2	< 3	24.2
39313	< 2	9.2	< 0.5	66	< 5	0.4	6.9	< 3	27.6
39314	< 2	9.1	< 0.5	103	< 5	0.2	9	< 3	27.5
39315	< 2	7.8	< 0.5	66	< 5	0.3	7.3	< 3	24.5
39316	< 2	2.6	< 0.5	42	< 5	0.4	5.4	< 3	27
39317	< 2	13.4	< 0.5	107	< 5	0.5	12.4	< 3	23.9
39318	< 2	5.5	< 0.5	56	< 5	0.4	5.7	< 3	26.5
39319	< 2	7.8	< 0.5	64	< 5	< 0.2	8	< 3	25.1
39320	< 2	11.7	< 0.5	107	< 5	0.4	11.7	< 3	22.7
39321	< 2	9.9	< 0.5	64	< 5	0.5	7.1	< 3	27.3
39322	< 2	12.7	< 0.5	71	< 5	0.6	8.3	< 3	26.4
39323	< 2	24.3	< 0.5	72	< 5	0.7	9	< 3	24.6
39324	< 2	10.4	< 0.5	64	< 5	0.7	6.5	< 3	24.4
39325	< 2	225	< 0.5	402	< 5	2.4	12.2	< 3	26.8

Element:	Hg	Cd	Cu	Ni	Zn	S	Ag	Pb	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O
Units:	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	%	%	%
Detection Limit:	5	0.5	1	1	1	0.001	0.3	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01
Reference Method:	Hg-FIMS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
Client I.D.																
34026	8	< 0.5	36	46	78	0.087	< 0.3	< 5	78.07	6.57	5.22	0.074	1.79	1.73	0.49	1.05
34027	< 5	< 0.5	23	19	40	0.058	0.4	7	83.86	5.72	3.18	0.049	0.8	0.82	0.27	1.21
34028	23	< 0.5	62	127	142	0.357	< 0.3	10	50.45	12.87	12.37	0.195	4.09	4.57	0.9	1.89
34029	8	< 0.5	38	47	95	0.306	0.4	41	57.89	21.57	6.35	0.062	1.35	0.27	0.64	5.23
34030	17	< 0.5	15	28	63	0.102	< 0.3	10	79.8	8.35	4.75	0.056	1.25	0.39	0.21	1.95
34031	9	< 0.5	26	28	67	0.134	0.7	18	74.7	9.48	5.37	0.06	1.4	0.4	0.44	2.25
34032	21	< 0.5	43	39	83	1.27	< 0.3	34	63.94	16.71	6.04	0.056	1.35	0.29	0.44	4.29
34033	8	< 0.5	25	37	72	0.215	< 0.3	27	70.94	12.45	5.72	0.062	1.58	0.37	0.32	3.02
34034	18	< 0.5	30	45	85	1.38	0.7	113	70.97	12.28	6.39	0.049	1.55	0.71	0.3	2.95
34035	9	< 0.5	29	38	75	0.223	0.3	20	69.79	12.96	5	0.046	1.47	0.44	0.32	3.23
34036	13	< 0.5	13	21	58	0.075	< 0.3	13	81.01	6.69	3.82	0.048	1.18	0.94	0.18	1.58
34037	7	< 0.5	19	30	58	0.084	< 0.3	19	78.37	8.29	4.7	0.06	1.36	0.76	0.29	1.92
34038	13	< 0.5	34	46	86	0.114	< 0.3	30	65.61	15.24	6.53	0.067	1.77	0.56	0.41	3.73
34039	15	< 0.5	26	29	78	0.011	0.5	41	66.24	14.99	5.03	0.05	1.56	0.83	0.36	4.11
34040	17	< 0.5	32	41	96	0.007	0.3	22	54.1	22.03	6.58	0.054	2	0.46	0.43	6.04
34041	8	< 0.5	17	18	49	0.02	0.4	14	78.74	9.84	3.28	0.034	1.01	0.67	0.22	2.75
34042	10	< 0.5	18	31	71	0.017	0.7	14	61.17	18.42	5.17	0.05	1.63	0.55	0.46	5.01
34043	9	< 0.5	14	32	69	0.041	0.4	18	69.53	14.67	4.61	0.04	1.49	0.65	0.34	3.8
34044	20	< 0.5	29	38	76	0.24	0.7	33	70.57	13.71	4.75	0.041	1.27	0.37	0.35	3.75
34045	15	< 0.5	39	48	91	0.383	0.9	13	58.79	17.14	7.71	0.082	2.03	0.41	0.49	4.52
34046	9	< 0.5	26	42	68	0.18	0.7	141	65.29	14.88	5.83	0.059	1.67	0.62	0.37	4.06
34047	17	< 0.5	43	45	92	0.253	0.4	28	65.57	15.41	6.37	0.052	1.79	0.35	0.37	4.11
34048	16	< 0.5	37	51	87	0.051	0.4	28	58	18.75	6.84	0.047	2.08	0.43	0.35	5.09
34049	7	< 0.5	17	22	43	0.025	< 0.3	12	83.47	6.16	3.17	0.03	0.89	0.34	0.19	1.46
34050	8	< 0.5	12	18	38	0.014	0.5	< 5	85.74	5.3	2.91	0.034	0.83	0.44	0.33	1.18
34051	10	< 0.5	23	33	54	0.086	< 0.3	12	75.73	10.05	3.85	0.042	1.15	0.54	0.59	2.57
34052	11	< 0.5	29	82	73	0.106	< 0.3	14	67.81	10.96	5.87	0.065	2.33	1.73	1.02	2.18
34053	9	< 0.5	35	67	64	0.231	< 0.3	17	61.92	13.38	6.06	0.077	2.39	2.4	1	3.18
34054	19	< 0.5	42	89	95	0.534	0.5	29	54.67	15.67	7.58	0.086	3.41	3.42	1.21	3.52
34055	30	< 0.5	47	52	120	1.17	0.6	32	60.21	17.02	7.55	0.051	2.21	0.52	1.24	4.04

Element:	Hg	Cd	Cu	Ni	Zn	S	Ag	Pb	SiO_2	Al_2O_3	Fe_2O_3(T)	MnO	MgO	CaO	Na_2O	K_2O
Units:	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	%	%	%
Detection Limit:	5	0.5	1	1	1	0.001	0.3	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01
Reference Method:	Hg-FIMS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
Client I.D.																
34056	9	< 0.5	18	24	56	0.317	0.3	10	78.05	8.06	4.23	0.043	1.55	1.29	1.17	1.45
34057	9	< 0.5	31	41	77	0.578	0.7	19	68.61	13.75	5.33	0.032	1.82	0.74	0.97	3.13
34058	12	< 0.5	17	25	54	0.368	0.6	11	77.16	8.22	3.7	0.043	1.42	1.34	1.34	1.47
34059	14	< 0.5	26	33	60	0.994	0.5	17	73.72	9.49	4.75	0.051	1.65	1.57	1.01	1.92
34060	36	< 0.5	73	72	104	3.13	1	36	54.33	17.84	8.93	0.047	2.18	1.13	0.23	4.76
34061	15	< 0.5	21	25	50	0.496	0.6	5	74.74	11.26	3.58	0.03	1.23	1.11	0.25	2.63
34062	11	< 0.5	21	23	59	1.02	< 0.3	16	62.25	13.23	4.5	0.078	2.26	4.23	0.17	3.72
34063	38	1	11	18	97	1.13	0.4	26	69.43	12.65	2.6	0.041	1.86	2.32	0.24	3.45
34064	56	1.6	40	20	135	1.29	1	39	68.46	13.76	2.2	0.028	1.73	1.76	0.21	3.95
34065	220	13.6	52	91	903	1.72	1.6	47	79.42	6.9	2.77	0.018	0.86	1.33	0.11	2.13
34066	38	0.7	20	11	67	0.562	0.5	21	72.55	12.8	2.04	0.026	1.5	1.69	0.18	3.43
34067	236	12.2	35	79	951	1.42	1.3	28	79.15	8.05	2.24	0.018	0.95	0.98	0.09	2.42
34068	392	20.3	43	89	1340	1.37	1.8	33	82.19	6.45	2.14	0.015	0.83	0.88	0.07	1.89
34069	519	18.4	49	82	1250	1.02	2.7	27	76.89	5.16	1.84	0.038	1.77	3.26	0.09	1.6
34070	382	14.3	83	91	924	0.968	1.1	22	79.45	5.06	1.65	0.03	1.57	2.44	0.09	1.54
34071	263	5.4	37	95	493	1.42	1.7	23	82.25	5.85	2.05	0.013	0.85	0.84	0.07	1.78
34072	63	0.7	15	13	92	1.19	0.6	26	70.94	13.14	2.37	0.022	1.24	1.44	1.47	2.99
34073	53	1.3	32	73	165	1.6	0.6	36	75.19	9.45	3.27	0.02	1.32	1.03	0.21	2.37
34074	278	6.2	50	110	453	2.11	1.6	36	74.91	9.19	3.36	0.016	1.22	1	0.08	2.42
34075	100	1.2	24	24	122	1.15	1.4	37	72.18	12.29	2.56	0.022	1.39	1.58	1.59	2.66
34076	77	1.2	32	71	150	1.49	0.6	21	74.34	8.47	2.73	0.022	1.17	3.1	0.09	2.34
34077	38	< 0.5	28	47	89	1.12	< 0.3	15	62.68	8.77	3.49	0.072	3.8	6.06	0.71	2.11
34078	30	< 0.5	25	25	53	1.08	< 0.3	14	55.33	9.23	3.95	0.049	1.83	12.91	0.36	1.91
34079	19	< 0.5	30	19	35	0.982	< 0.3	14	44.28	7.32	2.85	0.052	1.63	21.24	0.43	1.68
34080	28	< 0.5	23	45	38	1.1	< 0.3	9	28.88	7.23	2.79	0.042	0.89	30.56	0.16	2.04
34081	27	< 0.5	28	48	67	2.06	< 0.3	18	56.18	10.22	3.9	0.028	1.04	12.7	0.22	2.72
34082	21	< 0.5	12	24	28	1.04	< 0.3	11	24.72	5.92	2.36	0.043	1.04	34.08	0.32	1.49
34083	20	< 0.5	21	24	32	1.44	< 0.3	13	32.03	5.15	2.68	0.041	0.79	30.64	0.12	1.43
34084	19	< 0.5	17	22	32	0.908	< 0.3	14	22.48	5.17	2.44	0.057	1.7	35.08	0.21	1.42
34085	21	< 0.5	11	4	56	0.78	0.6	28	70.08	13.5	2.54	0.033	1.55	2.26	0.21	4.01

Element:	Hg	Cd	Cu	Ni	Zn	S	Ag	Pb	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O
Units:	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	%	%	%
Detection Limit:	5	0.5	1	1	1	0.001	0.3	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01
Reference Method:	Hg-FIMS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
Client I.D.																
34086	37	< 0.5	50	55	134	1.04	< 0.3	11	63.11	17.45	5.7	0.057	2.11	2.16	0.54	4.72
34087	< 5	< 0.5	32	66	69	0.133	< 0.3	17	65.98	11.39	5.07	0.079	2.75	3.31	1.61	2.14
34088	< 5	< 0.5	11	30	56	0.008	0.4	20	68.15	10.79	4.11	0.059	2.56	3.49	2.06	2.12
34089	< 5	< 0.5	46	132	72	0.048	< 0.3	12	57.51	11.64	7.05	0.093	4.18	4.9	1.83	2
34090	< 5	< 0.5	11	30	54	0.009	0.5	15	69.92	14.12	4.03	0.028	1.88	1.19	2.1	2.98
34091	7	< 0.5	29	81	77	0.176	0.5	22	61.17	12.66	6.53	0.123	3.46	3.6	0.87	2.92
34092	5	< 0.5	35	90	78	0.59	< 0.3	20	64.49	13.6	6.42	0.119	2.96	2.18	0.79	3.24
34093	< 5	< 0.5	32	45	84	0.962	0.4	18	66.04	15.58	6.47	0.046	2.24	0.41	0.92	3.79
34094	8	< 0.5	44	52	86	0.43	0.3	18	61.89	17.8	6.48	0.059	2.34	0.57	0.68	4.64
34095	< 5	< 0.5	31	19	45	0.067	0.6	15	78.33	9.22	3.2	0.062	1.22	1.22	1.4	1.85
34096	9	< 0.5	30	42	95	0.159	< 0.3	15	57.45	17.96	6.99	0.076	2.45	1.57	0.77	4.62
34097	< 5	< 0.5	12	19	39	0.056	0.5	12	74.52	8.71	3.5	0.082	1.63	2.24	1.21	2.05
34098	5	< 0.5	21	25	49	0.089	0.5	61	74.51	10.1	3.43	0.061	1.5	1.81	0.65	2.71
34099	7	< 0.5	42	44	89	0.334	0.5	14	64.31	14.35	6.65	0.071	2.19	1.27	1.32	3.37
34100	< 5	< 0.5	20	27	56	0.061	< 0.3	16	72.33	10.78	4.23	0.074	1.72	1.81	1.56	2.39
34101	6	< 0.5	32	41	87	0.16	0.6	39	66	15.2	6.33	0.053	2.23	0.59	1.3	3.5
34102	7	< 0.5	32	42	96	0.108	< 0.3	16	66.04	14.3	6.6	0.049	2.17	0.56	1.35	3.17
34103	6	< 0.5	22	49	82	0.11	< 0.3	17	57.59	14.79	6.35	0.097	2.44	4.39	0.88	3.44
34104	6	< 0.5	24	42	59	0.38	< 0.3	14	54.47	12.38	5.05	0.15	2.13	8.85	0.39	3.35
34105	< 5	< 0.5	23	46	64	0.064	< 0.3	15	46.81	13.85	6.03	0.113	2.26	11.98	0.83	3.04
34106	8	< 0.5	26	50	74	0.364	< 0.3	9	50.54	13.58	5.91	0.126	2.26	9.75	0.56	3.38
34107	7	< 0.5	19	28	42	0.938	< 0.3	22	44.11	7.97	3.23	0.091	1.57	20.14	0.39	2.19
34108	12	< 0.5	11	20	19	0.934	< 0.3	14	24.24	5.16	2.38	0.065	1.59	34.03	0.37	1.37
34109	13	< 0.5	10	20	13	0.961	< 0.3	11	19.07	4.38	2.21	0.071	1.45	37.98	0.41	1.14
34110	32	< 0.5	43	43	71	2.45	0.4	20	74.27	9.32	4.22	0.036	1.06	1.84	0.55	2.64
34111	< 5	< 0.5	15	35	56	0.197	< 0.3	26	62.78	13.03	5.22	0.13	2.17	3.82	1.57	2.73
34112	< 5	< 0.5	26	18	40	0.048	0.8	12	73.79	10.18	4.54	0.097	1.65	1.3	0.2	2.96
34113	< 5	< 0.5	15	14	34	0.018	0.4	20	78.63	9.02	3.25	0.062	1.02	0.93	0.27	2.45
34114	328	5.5	65	39	1570	0.371	0.4	56	62.13	13.79	6.39	0.146	2.38	2.75	0.24	3.86
34115	5	< 0.5	17	42	43	0.248	< 0.3	22	44.05	10.31	5	0.151	2.68	15.16	0.53	2.8

Element:	Hg	Cd	Cu	Ni	Zn	S	Ag	Pb	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O
Units:	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	%	%	%
Detection Limit:	5	0.5	1	1	1	0.001	0.3	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01
Reference Method:	Hg-FIMS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
Client I.D.																
34116	6	< 0.5	15	37	113	0.032	0.4	15	64.23	16.26	6.4	0.102	2.33	1.06	1.06	3.36
34117	< 5	< 0.5	22	25	52	0.166	< 0.3	20	37.89	12.38	4.41	0.116	2.4	18.28	0.64	3.31
34118	< 5	< 0.5	20	22	33	0.34	< 0.3	22	32.34	8.78	3.63	0.091	2.06	25.08	0.29	2.49
34119	< 5	< 0.5	25	44	85	0.166	< 0.3	21	55.06	17.18	6.41	0.097	2.3	4.71	0.77	3.99
34120	< 5	< 0.5	32	45	77	0.107	< 0.3	10	53.9	17.35	6.82	0.119	2.44	5.21	0.76	3.93
34121	< 5	< 0.5	26	42	79	0.113	< 0.3	15	47.79	15.78	6.89	0.149	2.99	8.41	0.75	3.51
34122	6	< 0.5	8	13	30	0.399	< 0.3	15	26.82	6.95	2.45	0.07	1.48	31.33	0.32	1.9
34123	< 5	< 0.5	3	8	< 1	0.119	< 0.3	18	18.29	3.99	1.81	0.201	1.35	39.44	1.61	0.31
34124	6	< 0.5	39	68	124	0.36	0.7	< 5	43.48	14.43	10.74	0.158	3.96	8.29	0.36	2.7
34125	< 5	< 0.5	29	42	85	0.25	0.3	< 5	61.44	18.44	6.9	0.057	2.18	1.21	0.73	3.98
39251	6	< 0.5	34	34	79	0.482	< 0.3	39	44.76	14.35	5.86	0.12	3.05	11.89	0.35	3.7
39252	< 5	< 0.5	22	34	41	0.564	< 0.3	< 5	49.38	16.47	5.36	0.092	2.32	8.55	0.39	4.46
39253	< 5	< 0.5	3	3	< 1	0.194	< 0.3	8	7.4	1.84	1.3	0.073	1.27	48.77	0.44	0.25
39254	< 5	< 0.5	89	84	84	0.333	< 0.3	< 5	39.49	15.29	9.24	0.175	4.73	9.64	2.92	1.51
39255	< 5	< 0.5	30	37	66	0.14	< 0.3	10	49.65	14.95	5.97	0.105	2.48	10.28	0.46	3.3
39256	< 5	< 0.5	24	46	78	0.176	0.4	11	58.16	18.71	6.86	0.042	2.98	1.91	0.64	4.28
39257	< 5	< 0.5	16	30	56	0.477	< 0.3	15	43.87	13.59	5.5	0.105	2.23	14.44	0.41	3.22
39258	< 5	< 0.5	11	17	28	0.303	< 0.3	11	27.54	8.6	3.36	0.07	1.88	29.23	0.22	2.13
39259	< 5	< 0.5	34	64	103	0.496	< 0.3	< 5	42.03	15.71	13.01	0.159	4.6	7.02	3.33	0.57
39260	< 5	< 0.5	32	30	103	0.561	< 0.3	< 5	42.56	16.99	13.33	0.222	3.91	5.19	4.68	0.75
39261	< 5	< 0.5	36	46	94	0.556	< 0.3	< 5	43.8	16.96	12.51	0.176	3.74	5.6	4.65	0.75
39262	< 5	< 0.5	39	72	98	0.539	< 0.3	< 5	41.18	14.75	13.02	0.227	4.38	8.31	4.09	0.21
39263	< 5	< 0.5	35	51	78	0.622	< 0.3	< 5	41.79	15.29	8.23	0.109	3.27	12.16	1.59	2.48
39264	< 5	< 0.5	18	20	32	0.382	< 0.3	12	29.96	9.16	3.98	0.092	2.33	26.74	0.68	2.13
39265	< 5	< 0.5	11	14	33	0.263	< 0.3	20	27.72	8.1	3.48	0.149	2.99	27.96	0.38	2.25
39266	< 5	< 0.5	8	36	13	0.405	< 0.3	11	26.01	5.88	1.98	0.056	1.05	33.43	0.65	1.38
39267	< 5	< 0.5	8	21	12	0.251	< 0.3	16	23.34	5.73	2.2	0.092	1.15	35.01	0.76	1.39
39268	< 5	< 0.5	29	81	87	0.146	< 0.3	16	48.74	12.51	6.84	0.144	3.08	10.09	0.96	2.85
39269	< 5	< 0.5	55	294	80	0.179	< 0.3	23	50.51	8.01	7.82	0.159	8.84	7.89	0.21	0.62
39270	< 5	< 0.5	69	213	71	0.25	< 0.3	22	62.19	6.91	5.33	0.109	6.35	5.84	0.47	1.04

Element:	Hg	Cd	Cu	Ni	Zn	S	Ag	Pb	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O
Units:	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	%	%	%
Detection Limit:	5	0.5	1	1	1	0.001	0.3	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01
Reference Method:	Hg-FIMS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
Client I.D.																
39271	< 5	< 0.5	53	68	83	1.71	0.8	72	57.83	20.27	7.08	0.025	2.96	0.25	0.49	5.06
39272	< 5	< 0.5	17	37	37	0.239	0.4	< 5	81.68	7.76	3.24	0.04	1.44	0.79	1.09	1.45
39273	< 5	< 0.5	19	34	45	0.571	0.6	28	81.16	7.24	3.81	0.046	1.68	0.93	0.84	1.29
39274	< 5	< 0.5	40	61	91	2.63	0.6	17	59.85	17.29	7.83	0.03	2.7	0.38	0.3	4.47
39275	< 5	< 0.5	31	45	83	0.465	0.5	19	70.82	13.42	5.02	0.051	2.44	0.6	0.39	3.22
39276	< 5	< 0.5	44	52	104	0.67	0.7	53	71.06	12.86	5.61	0.053	2.37	0.55	0.25	3.21
39277	< 5	< 0.5	28	128	106	0.263	< 0.3	10	61.24	14.85	6.61	0.077	4.28	2.18	0.13	3.72
39278	< 5	< 0.5	15	24	48	0.181	0.5	12	77.88	8.69	3.68	0.056	1.49	0.84	1.71	1.45
39279	< 5	< 0.5	38	59	96	0.11	< 0.3	19	73.09	11.4	4.91	0.067	2.41	1.06	0.82	2.6
39280	< 5	< 0.5	20	32	65	0.18	< 0.3	46	73.38	10.84	4.83	0.102	1.8	1.13	1.68	2.05
39281	6	< 0.5	25	71	125	0.253	< 0.3	16	65	14.71	6.05	0.091	2.5	1.43	0.72	3.57
39282	< 5	< 0.5	15	30	38	0.102	< 0.3	39	80.72	7.28	2.74	0.042	1.11	1.85	0.85	1.35
39283	< 5	< 0.5	24	38	83	0.193	< 0.3	18	69.61	13.38	5.83	0.085	2.12	0.95	1.98	2.54
39284	< 5	< 0.5	40	48	83	0.391	< 0.3	27	59.52	19.58	6.45	0.074	2.37	0.84	1.28	5.05
39285	< 5	< 0.5	23	31	62	0.107	< 0.3	22	68.97	13.31	4.84	0.096	1.85	2.27	1.44	3.08
39286	< 5	< 0.5	28	36	61	0.545	< 0.3	18	76.21	9.35	3.49	0.037	1.2	1.01	0.6	2.59
39287	6	< 0.5	40	44	102	0.472	< 0.3	23	61.83	12.93	6.68	0.099	2.39	4.21	1.76	2.5
39288	11	< 0.5	37	59	67	0.791	< 0.3	17	79.03	6.18	3.3	0.054	1.21	2.6	0.49	1.72
39289	6	< 0.5	20	47	63	0.224	< 0.3	13	50.37	8.38	5.18	0.114	2.33	14.36	0.79	1.86
39290	9	< 0.5	16	37	74	0.346	< 0.3	15	67.89	9.23	4	0.062	1.54	4.48	2	1.66
39291	14	0.7	28	38	118	0.888	< 0.3	41	71.02	11.54	4.38	0.031	1.45	1.48	0.96	2.62
39292	8	< 0.5	27	44	68	0.116	< 0.3	19	57.95	11.06	6.67	0.13	2.94	5.08	2.08	2.09
39293	11	< 0.5	17	36	53	0.138	< 0.3	12	64.87	11.59	4.85	0.082	1.99	2.91	1.77	2.64
39294	9	< 0.5	13	19	68	0.153	< 0.3	44	71.52	9.05	3.19	0.054	1.62	3.02	2.05	1.82
39295	11	< 0.5	38	31	54	0.366	0.4	28	74.41	8.4	4.07	0.052	1.73	2.37	0.95	1.99
39296	< 5	< 0.5	15	51	47	0.149	< 0.3	24	67.61	10.34	5.22	0.067	2.66	1.94	0.82	2.61
39297	< 5	< 0.5	37	63	72	0.229	0.5	32	62.05	13.51	6.19	0.069	3.51	1.89	0.97	2.91
39298	< 5	< 0.5	30	97	86	0.092	< 0.3	39	53.34	12.85	7.42	0.121	4.33	4.91	1.02	2.72
39299	9	< 0.5	20	56	84	0.177	< 0.3	28	57.43	16.23	6.24	0.075	2.54	2.4	1.83	3.42
39300	< 5	< 0.5	16	24	41	0.127	< 0.3	16	75.71	8.46	3.31	0.066	1.64	2.11	1.62	1.48

Element:	Hg	Cd	Cu	Ni	Zn	S	Ag	Pb	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O
Units:	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	%	%	%	%	%	%
Detection Limit:	5	0.5	1	1	1	0.001	0.3	5	0.01	0.01	0.01	0.001	0.01	0.01	0.01	0.01
Reference Method:	Hg-FIMS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
Client I.D.																
39301	8	< 0.5	21	33	52	0.214	< 0.3	15	45.91	13.6	4.83	0.069	2.11	12.65	0.98	3.48
39302	6	< 0.5	46	53	90	0.261	< 0.3	17	54.89	19.32	7.92	0.099	2.78	0.75	0.61	5.51
39303	< 5	< 0.5	24	39	36	0.177	< 0.3	15	72.37	9.92	4.43	0.073	2.22	1.99	0.59	2.27
39304	5	< 0.5	36	54	101	0.178	< 0.3	32	56.3	19.87	8.54	0.065	2.65	0.27	1.02	4.76
39305	< 5	< 0.5	28	33	53	0.062	< 0.3	24	66.96	16.29	4.46	0.034	1.48	0.3	1.37	4
39306	5	< 0.5	22	55	72	0.038	< 0.3	23	54.3	24.32	6.09	0.032	2.27	0.22	0.59	6.64
39307	< 5	< 0.5	21	34	63	0.037	< 0.3	22	70.24	13.05	4.96	0.066	1.85	0.93	1.4	2.94
39308	9	< 0.5	36	50	87	0.389	< 0.3	39	54.64	21.68	6.59	0.041	2.15	0.4	0.79	5.86
39309	7	< 0.5	39	36	68	0.205	< 0.3	18	72.73	11.76	5.58	0.039	1.52	0.13	1.01	2.87
39310	< 5	< 0.5	38	48	90	0.063	< 0.3	26	56.04	18.06	8.34	0.063	2.47	0.19	0.55	5.12
39311	< 5	< 0.5	56	154	77	0.02	< 0.3	21	54.52	12.4	8.45	0.113	5.26	3.96	1	2.32
39312	6	< 0.5	17	31	54	0.042	< 0.3	28	69.37	13.41	4.66	0.054	1.69	0.37	1.05	3.72
39313	< 5	< 0.5	17	23	44	0.063	< 0.3	32	74.59	10.2	3.81	0.065	1.58	0.97	0.68	2.9
39314	< 5	< 0.5	19	37	49	0.027	< 0.3	20	70.12	10.49	4.68	0.085	2.01	1.72	1.01	2.8
39315	6	< 0.5	14	24	48	0.028	< 0.3	16	73.39	10.01	3.89	0.065	1.66	1.41	0.79	2.7
39316	< 5	< 0.5	10	18	31	0.008	< 0.3	16	77.04	7.76	3.44	0.073	1.6	1.9	1.24	1.74
39317	12	< 0.5	24	40	81	0.158	< 0.3	26	63.08	14.9	5.84	0.073	2.12	0.96	0.68	4.52
39318	< 5	< 0.5	15	19	36	0.02	0.4	14	76.71	8.15	3.08	0.08	1.53	2.17	1.35	1.89
39319	7	< 0.5	15	26	52	0.034	< 0.3	29	72.07	10.74	4.53	0.069	1.71	1.18	1.41	2.77
39320	13	< 0.5	42	44	84	0.133	< 0.3	42	62.87	14.58	5.92	0.08	2.37	1.21	0.76	4.19
39321	< 5	< 0.5	14	20	46	0.029	< 0.3	21	72.87	9.65	3.95	0.072	1.89	1.72	0.99	2.56
39322	10	< 0.5	19	28	55	0.071	< 0.3	31	69.91	11.57	4.62	0.061	1.8	0.67	0.97	3.13
39323	8	< 0.5	25	34	47	0.142	< 0.3	27	67.97	13.12	4.2	0.07	1.99	1.34	1.34	3.38
39324	7	< 0.5	15	17	35	0.039	0.3	20	75.31	9.18	2.97	0.068	1.75	1.75	1.27	2.16
39325	35	< 0.5	41	231	187	0.686	< 0.3	74	56.68	12.33	6.81	0.113	4.58	4.32	0.64	2.91

Element:	TiO2	P2O5	LOI	Total	Sc	Be	V	Ba	Sr	Y	Zr	Cr	Co	Ni	Cu
Units:	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.001	0.01		0.01	1	1	5	3	2	2	4	20	1	20	10
Reference Method:	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
34026	0.74	0.17	4.203	100.1	8	< 1	64	191	64	19	221	90	13	30	30
34027	0.399	0.07	2.52	98.89	5	< 1	35	221	40	19	254	60	5	< 20	20
34028	1.583	0.34	9.575	98.84	19	2	151	357	125	31	199	150	32	100	50
34029	0.882	0.15	4.745	99.13	20	3	124	1016	98	39	206	140	15	40	30
34030	0.438	0.08	3.492	100.8	7	1	47	362	44	20	246	40	8	20	30
34031	0.472	0.09	4.269	98.94	8	< 1	53	455	48	27	230	60	9	20	20
34032	0.741	0.11	5.461	99.42	16	3	95	827	80	41	201	70	16	20	20
34033	0.584	0.11	4.52	99.68	11	2	69	581	58	26	228	80	11	30	20
34034	0.552	0.09	5.063	100.9	11	2	74	550	62	21	175	60	14	30	20
34035	0.608	0.12	4.626	98.59	12	2	75	583	55	27	217	80	11	30	30
34036	0.378	0.07	3.911	99.82	6	1	38	296	51	16	199	40	6	< 20	< 10
34037	0.387	0.07	4.168	100.4	7	1	46	377	51	17	168	60	9	20	20
34038	0.608	0.12	5.777	100.4	13	3	82	756	76	27	199	70	13	40	30
34039	0.517	0.1	5.485	99.28	12	3	65	836	88	22	178	60	9	30	20
34040	0.743	0.12	6.613	99.18	18	4	98	1249	95	32	159	70	13	30	30
34041	0.352	0.07	3.731	100.7	7	2	39	560	59	18	171	70	9	< 20	20
34042	0.674	0.11	5.551	98.79	15	3	78	1000	85	27	202	80	13	30	20
34043	0.56	0.1	4.548	100.4	11	2	63	774	77	30	273	90	11	30	20
34044	0.601	0.1	4.591	100.1	12	2	78	674	63	24	181	80	13	30	30
34045	0.773	0.1	6.892	98.93	15	3	97	821	78	37	252	110	16	30	40
34046	0.565	0.1	5.502	98.96	14	2	82	740	75	26	136	90	17	40	30
34047	0.649	0.11	5.476	100.3	14	2	84	736	59	32	183	100	18	40	40
34048	0.72	0.14	6.088	98.52	17	3	99	900	72	33	158	100	19	40	30
34049	0.331	0.07	2.779	98.89	5	< 1	31	269	33	13	191	80	6	< 20	20
34050	0.289	0.06	2.588	99.7	4	< 1	26	228	37	11	157	40	6	< 20	10
34051	0.512	0.09	3.882	99.01	9	1	57	495	67	19	189	90	12	30	20
34052	0.79	0.11	5.851	98.72	13	2	92	467	122	22	213	180	18	80	30
34053	0.857	0.17	7.248	98.69	14	2	98	646	163	26	157	140	18	60	40
34054	1.008	0.16	8.659	99.4	18	3	124	717	246	33	166	140	22	70	40
34055	0.813	0.12	6.207	99.97	16	3	109	846	91	40	217	100	19	30	30

Element:	TiO2	P2O5	LOI	Total	Sc	Be	V	Ba	Sr	Y	Zr	Cr	Co	Ni	Cu
Units:	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.001	0.01		0.01	1	1	5	3	2	2	4	20	1	20	10
Reference Method:	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
34056	0.478	0.08	3.921	100.3	7	1	54	308	96	23	258	30	6	30	10
34057	0.667	0.11	3.88	99.04	12	2	86	634	81	28	222	70	11	20	20
34058	0.428	0.09	3.577	98.79	6	< 1	46	303	92	16	217	30	6	< 20	10
34059	0.483	0.08	4.826	99.55	8	1	62	447	107	21	211	50	9	< 20	10
34060	0.824	0.12	8.574	98.96	18	3	156	1274	106	39	191	60	20	40	50
34061	0.583	0.09	4.828	100.3	9	2	69	920	79	29	280	70	9	30	20
34062	0.446	0.34	8.973	100.2	8	3	118	2739	254	40	185	30	6	30	20
34063	0.373	0.24	6.866	100.1	5	2	105	3857	111	29	162	40	3	< 20	10
34064	0.388	0.23	6.253	98.98	5	3	151	3595	88	32	164	20	3	< 20	10
34065	0.3	0.44	5.991	100.3	6	2	804	1554	90	20	66	100	5	60	40
34066	0.345	0.24	5.632	100.4	4	2	54	2574	79	31	156	< 20	2	< 20	20
34067	0.292	0.19	6.017	100.4	5	3	875	1588	61	20	84	70	4	50	30
34068	0.247	0.14	5.606	100.5	5	2	985	1177	71	16	62	40	4	60	40
34069	0.235	0.51	8.222	99.62	6	2	878	1148	194	19	47	80	4	50	50
34070	0.238	0.39	7.046	99.5	5	2	817	1179	159	18	46	60	4	70	70
34071	0.265	0.13	6.005	100.1	6	2	713	1478	62	15	48	40	5	70	30
34072	0.379	0.16	4.677	98.83	4	2	59	3322	124	28	155	30	3	< 20	10
34073	0.407	0.15	6.297	99.72	8	2	351	1666	81	19	91	40	7	50	30
34074	0.388	0.17	7.269	100	8	3	616	1763	93	20	93	90	9	80	50
34075	0.414	0.29	5.229	100.2	6	2	124	2440	143	25	150	40	6	20	30
34076	0.407	0.16	7.503	100.3	8	2	368	1462	155	18	78	90	10	50	30
34077	0.383	0.14	11.79	100	9	2	221	1518	288	21	78	80	12	40	30
34078	0.438	0.1	13.37	99.47	9	1	60	863	535	21	113	90	9	50	20
34079	0.338	0.13	19.39	99.34	8	1	47	679	614	17	91	50	7	20	20
34080	0.517	0.18	25.39	98.67	8	1	65	667	876	17	74	110	8	50	30
34081	0.611	0.17	11.92	99.71	10	2	121	904	433	31	108	120	13	40	20
34082	0.33	0.16	28.32	98.78	6	1	45	583	978	12	60	60	6	30	20
34083	0.291	0.12	25.26	98.55	6	< 1	53	597	857	17	55	60	8	30	30
34084	0.3	0.2	29.59	98.66	5	1	51	558	987	13	63	60	5	30	30
34085	0.263	0.11	5.58	100.1	6	2	21	1567	93	30	167	< 20	2	< 20	10

Element:	TiO2	P2O5	LOI	Total	Sc	Be	V	Ba	Sr	Y	Zr	Cr	Co	Ni	Cu
Units:	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.001	0.01		0.01	1	1	5	3	2	2	4	20	1	20	10
Reference Method:	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
34086	0.751	0.15	2.401	99.15	15	3	157	1489	106	34	190	110	17	50	40
34087	0.706	0.14	6.536	99.71	12	2	79	751	171	19	264	180	16	60	30
34088	0.481	0.14	6.617	100.6	8	1	45	858	213	19	282	30	7	20	10
34089	1.197	0.22	9.143	99.75	18	2	138	864	275	23	231	200	22	100	40
34090	0.647	0.17	3.651	100.7	11	2	68	1061	97	24	329	40	9	< 20	10
34091	0.932	0.15	7.731	100.2	15	2	108	813	178	19	177	90	16	60	30
34092	0.624	0.12	6.034	100.6	14	2	75	777	116	21	179	140	16	60	30
34093	0.738	0.08	4.017	100.3	13	2	75	884	46	21	202	70	15	40	20
34094	0.75	0.08	5.334	100.6	15	3	82	1056	53	25	201	60	13	30	30
34095	0.405	0.06	3.714	100.7	7	1	42	420	78	14	232	30	6	< 20	10
34096	0.814	0.52	7.433	100.7	16	3	86	1075	128	39	217	60	11	30	20
34097	0.395	0.06	5.427	99.82	7	1	45	453	107	13	221	30	6	< 20	10
34098	0.45	0.06	5.024	100.3	8	2	57	608	95	15	187	30	7	< 20	20
34099	0.768	0.25	5.933	100.5	13	2	84	762	81	25	258	60	12	30	30
34100	0.539	0.11	4.886	100.4	9	1	56	563	104	18	273	40	7	< 20	10
34101	0.735	0.11	4.32	100.4	14	2	82	878	57	22	245	60	12	30	30
34102	0.711	0.3	5.272	100.5	13	2	79	770	66	31	242	50	10	20	30
34103	0.849	0.19	8.986	100	14	2	87	953	145	23	235	70	12	30	20
34104	0.67	0.16	11.77	99.38	11	2	69	1239	254	22	151	60	15	30	20
34105	0.966	0.2	13.92	100	13	2	91	1132	340	26	204	100	12	40	20
34106	0.968	0.19	12.37	99.65	14	2	89	1299	270	26	211	120	18	50	20
34107	0.376	0.14	18.48	98.68	7	1	47	858	545	18	72	40	9	30	30
34108	0.279	0.12	28.94	98.56	5	< 1	35	595	806	11	59	40	5	30	20
34109	0.261	0.12	31.52	98.62	5	< 1	33	441	897	10	56	40	4	30	20
34110	0.519	0.11	5.912	100.5	11	2	140	903	94	37	107	70	12	30	30
34111	0.627	0.08	8.097	100.3	11	2	75	831	153	19	235	60	11	30	10
34112	0.42	0.07	5.487	100.7	7	1	38	982	81	16	295	40	6	< 20	< 10
34113	0.411	0.05	4.185	100.3	5	1	35	879	65	13	288	40	5	< 20	< 10
34114	0.493	0.1	8.149	100.4	11	2	62	978	121	23	160	50	14	30	50
34115	0.729	0.16	17.64	99.2	12	2	76	799	377	20	104	90	16	40	20

Element:	TiO2	P2O5	LOI	Total	Sc	Be	V	Ba	Sr	Y	Zr	Cr	Co	Ni	Cu
Units:	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.001	0.01		0.01	1	1	5	3	2	2	4	20	1	20	10
Reference Method:	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
34116	0.643	0.15	4.787	100.4	12	2	70	905	92	28	232	70	14	40	20
34117	0.483	0.17	19.24	99.31	10	2	53	881	568	25	133	50	11	30	30
34118	0.361	0.1	23.51	98.72	8	2	35	742	716	18	107	40	9	20	20
34119	0.866	0.17	7.863	99.41	15	3	87	1363	180	28	192	80	14	40	20
34120	0.936	0.2	7.866	99.54	14	3	92	1340	203	30	208	90	17	50	40
34121	1.067	0.27	11.41	99.02	13	2	89	1241	257	27	206	80	17	40	30
34122	0.328	0.08	27.04	98.77	6	1	28	627	820	16	118	30	5	20	20
34123	0.174	0.06	32.71	99.94	4	< 1	20	201	986	9	86	< 20	2	< 20	20
34124	2.055	0.7	11.78	98.66	13	2	114	1733	266	25	325	80	34	70	40
34125	0.646	0.1	4.539	100.2	15	3	68	1612	113	29	146	70	21	30	30
39251	0.554	0.08	14.48	99.19	12	2	58	1183	350	27	141	60	20	40	30
39252	0.648	0.09	12.13	99.9	14	3	67	1294	274	26	155	70	15	30	30
39253	0.076	0.05	38.92	100.4	3	< 1	11	92	1268	7	31	< 20	< 1	< 20	30
39254	1.939	0.29	13.29	98.51	26	1	235	630	392	16	151	170	34	80	80
39255	0.572	0.09	11.72	99.59	14	2	67	1524	376	25	145	70	20	40	40
39256	0.686	0.1	6.038	100.4	17	3	79	1730	112	33	147	90	28	40	20
39257	0.497	0.07	14.88	98.81	12	2	55	1183	471	25	105	60	13	30	30
39258	0.353	0.06	25.26	98.7	8	1	38	727	953	14	71	40	8	30	30
39259	3.32	0.49	8.952	99.18	27	2	351	403	417	27	214	100	52	70	40
39260	3.351	0.51	7.677	99.17	27	2	350	419	415	27	235	60	49	< 20	50
39261	3.174	0.47	7.079	98.91	27	2	342	399	446	24	207	90	53	< 20	50
39262	3.107	0.45	9.223	98.96	28	1	333	105	451	27	204	110	62	50	50
39263	1.708	0.26	12.19	99.08	20	2	186	845	548	27	167	100	32	60	40
39264	0.448	0.09	23.3	98.9	8	2	45	585	872	17	91	60	11	30	30
39265	0.365	0.11	25.66	99.17	7	2	34	796	714	18	102	50	9	20	20
39266	0.272	0.07	27.85	98.62	5	< 1	23	671	913	15	106	30	4	50	30
39267	0.312	0.09	29.02	99.1	5	< 1	26	597	934	14	104	40	5	30	30
39268	0.853	0.19	13.13	99.38	12	2	76	1101	266	25	151	180	22	90	40
39269	1.051	0.16	14.53	99.79	18	1	136	232	258	17	94	530	39	320	70
39270	0.503	0.08	10.52	99.35	15	1	75	289	184	15	119	530	27	200	80

Element:	TiO2	P2O5	LOI	Total	Sc	Be	V	Ba	Sr	Y	Zr	Cr	Co	Ni	Cu
Units:	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.001	0.01		0.01	1	1	5	3	2	2	4	20	1	20	10
Reference Method:	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
39271	0.812	0.12	5.279	100.2	19	4	143	1171	48	35	156	130	25	70	50
39272	0.42	0.08	2.491	100.5	6	< 1	43	368	44	14	210	40	5	20	20
39273	0.376	0.08	2.842	100.3	6	< 1	46	282	46	14	159	30	5	< 20	10
39274	0.719	0.11	5.21	98.89	15	3	111	1038	44	27	184	60	15	30	20
39275	0.649	0.11	3.665	100.4	12	2	85	818	42	24	243	50	8	30	20
39276	0.527	0.11	3.649	100.3	11	2	83	857	41	23	141	40	9	30	20
39277	0.669	0.1	6.702	100.6	16	2	111	1052	112	25	149	120	13	70	20
39278	0.36	0.07	2.569	98.8	6	1	40	393	58	13	192	30	6	20	20
39279	0.614	0.07	3.636	100.7	11	2	74	698	63	16	220	70	10	40	30
39280	0.45	0.08	3.306	99.64	8	1	56	564	80	14	133	30	7	< 20	10
39281	0.683	0.11	5.139	100	13	2	90	1074	83	21	220	80	12	40	30
39282	0.307	0.51	3.543	100.3	6	< 1	37	456	157	20	170	30	6	< 20	10
39283	0.608	0.1	3.587	100.8	11	2	69	699	80	15	189	40	8	< 20	20
39284	0.672	0.16	4.512	100.5	15	3	89	1142	85	30	146	50	10	30	30
39285	0.463	0.1	4.414	100.8	10	2	91	785	125	22	166	30	7	< 20	20
39286	0.398	0.12	3.938	98.94	10	2	98	789	60	25	93	50	8	40	20
39287	1.074	0.17	6.922	100.6	14	2	122	698	193	23	220	50	12	30	30
39288	0.276	0.09	5.296	100.2	6	1	81	593	96	24	64	50	8	40	30
39289	0.664	0.13	15.33	99.5	9	1	69	718	410	18	146	70	9	30	30
39290	0.582	0.13	7.114	98.7	8	1	76	456	179	17	213	50	7	20	10
39291	0.526	0.15	6.113	100.3	9	2	103	1149	122	20	175	60	9	30	30
39292	0.827	0.13	10.81	99.76	12	1	103	715	232	18	188	40	9	20	20
39293	0.46	0.08	7.388	98.62	9	2	58	928	147	17	158	60	11	30	20
39294	0.286	0.13	5.993	98.74	5	1	77	1092	145	18	145	30	5	< 20	20
39295	0.31	0.13	6.082	100.5	7	2	77	847	109	16	119	40	9	30	40
39296	0.409	0.09	7.267	99.04	8	2	50	542	113	15	163	60	11	40	10
39297	0.701	0.12	7.701	99.62	13	2	80	740	115	20	164	100	17	50	40
39298	0.96	0.2	11.39	99.26	13	2	97	619	225	22	167	200	25	70	30
39299	0.791	0.15	8.292	99.4	15	2	86	750	135	23	234	110	14	50	20
39300	0.35	0.08	5.488	100.3	6	< 1	35	343	114	13	183	50	7	20	20

Element:	TiO2	P2O5	LOI	Total	Sc	Be	V	Ba	Sr	Y	Zr	Cr	Co	Ni	Cu
Units:	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.001	0.01		0.01	1	1	5	3	2	2	4	20	1	20	10
Reference Method:	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
39301	0.7	0.16	15.02	99.51	11	2	72	965	391	21	149	80	13	30	30
39302	0.796	0.29	6.813	99.77	18	3	99	1439	56	35	187	110	20	40	50
39303	0.541	0.11	5.572	100.1	9	2	60	590	104	16	184	110	16	30	30
39304	0.865	0.18	5.57	100.1	18	3	101	1029	43	33	252	90	16	40	40
39305	0.478	0.13	5.193	100.7	12	2	58	847	48	19	134	60	10	30	30
39306	0.783	0.09	3.684	99.03	21	4	98	1442	49	43	151	90	23	50	20
39307	0.595	0.08	4.461	100.6	11	2	67	667	62	18	260	60	11	20	30
39308	0.741	0.15	5.624	98.67	18	3	93	1279	56	32	177	90	16	40	30
39309	0.474	0.07	4.146	100.3	9	2	52	599	30	20	190	50	10	30	40
39310	0.718	0.1	7.226	98.89	16	3	88	1102	43	26	173	70	13	40	30
39311	1.472	0.19	10.01	99.7	22	2	174	656	166	20	222	310	27	120	50
39312	0.577	0.07	5.271	100.2	10	2	66	749	42	20	264	70	10	30	20
39313	0.461	0.05	4.983	100.3	8	1	53	607	52	18	314	40	8	< 20	10
39314	0.605	0.08	6.286	99.89	10	1	73	617	79	15	233	70	10	30	20
39315	0.476	0.05	5.217	99.66	8	1	56	692	73	16	296	50	8	20	10
39316	0.351	0.05	5.144	100.3	5	1	32	481	98	13	227	40	5	< 20	10
39317	0.727	0.12	5.874	98.9	14	2	84	1122	65	22	263	80	14	30	30
39318	0.383	0.04	5.21	100.6	7	< 1	40	485	102	16	278	40	5	< 20	10
39319	0.516	0.06	5.451	100.5	9	1	55	720	70	17	260	50	8	20	10
39320	0.675	0.13	7.156	99.94	13	2	81	1150	76	24	227	80	13	40	20
39321	0.447	0.15	5.684	99.98	8	1	49	581	82	16	272	40	8	< 20	10
39322	0.517	0.07	5.42	98.73	10	2	59	659	53	16	203	50	8	20	20
39323	0.544	0.09	5.895	99.94	10	2	61	757	86	22	278	50	16	30	20
39324	0.398	0.06	5.102	100	7	1	41	539	92	18	234	40	7	< 20	20
39325	0.828	0.13	10.52	99.85	15	2	103	812	181	20	188	370	25	140	30

Element:	Zn	Ga	Ge	As	Rb	Nb	Mo	Ag	In	Sn	Sb	Cs	La	Ce	Pr
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	30	1	1	5	2	1	2	0.5	0.2	1	0.5	0.5	0.1	0.1	0.05
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
34026	70	8	1	9	41	16	< 2	< 0.5	< 0.2	< 1	< 0.5	0.9	22.6	47.6	5.21
34027	40	7	1	< 5	48	6	< 2	< 0.5	< 0.2	< 1	< 0.5	1.1	18.3	39.1	4.33
34028	130	18	1	22	71	36	< 2	< 0.5	< 0.2	< 1	< 0.5	1.6	49.3	98.3	10.8
34029	90	29	1	6	207	16	< 2	< 0.5	< 0.2	2	< 0.5	4.2	69.6	141	15.3
34030	60	11	1	< 5	78	7	< 2	< 0.5	< 0.2	1	< 0.5	1.7	28.8	58.6	6.31
34031	60	13	1	< 5	91	8	< 2	< 0.5	< 0.2	< 1	< 0.5	1.9	29.9	61.5	6.9
34032	70	23	1	7	166	14	< 2	< 0.5	< 0.2	1	< 0.5	3.6	53.6	113	12.8
34033	70	17	2	< 5	117	10	< 2	< 0.5	< 0.2	1	< 0.5	2.6	34.6	70.3	7.7
34034	60	16	< 1	5	111	9	< 2	< 0.5	< 0.2	< 1	< 0.5	2.2	35.2	70	7.62
34035	60	17	1	< 5	120	10	< 2	< 0.5	< 0.2	1	< 0.5	2.3	37	74.8	8.22
34036	50	8	1	< 5	60	6	< 2	< 0.5	< 0.2	< 1	< 0.5	1.5	20.6	41.4	4.36
34037	50	10	1	< 5	75	6	< 2	< 0.5	< 0.2	1	< 0.5	1.6	25	49.5	5.42
34038	70	21	1	< 5	148	11	< 2	< 0.5	< 0.2	2	< 0.5	3.2	44.3	88.5	9.86
34039	70	20	1	< 5	163	11	< 2	< 0.5	< 0.2	2	< 0.5	3.6	48.6	98.9	10.8
34040	90	29	1	8	238	16	< 2	< 0.5	< 0.2	2	< 0.5	5.2	77	153	17
34041	50	15	1	< 5	120	8	< 2	< 0.5	< 0.2	2	< 0.5	2.5	33.5	69	7.44
34042	70	27	2	9	207	15	< 2	< 0.5	< 0.2	2	< 0.5	4.3	56.4	115	12.6
34043	70	21	1	< 5	154	12	< 2	< 0.5	< 0.2	2	< 0.5	3.5	52.2	106	11.6
34044	70	19	1	< 5	146	11	< 2	< 0.5	< 0.2	2	< 0.5	3.4	41.7	82.8	9.06
34045	90	25	1	< 5	175	14	< 2	< 0.5	< 0.2	1	< 0.5	3.8	50.2	104	11.6
34046	70	22	1	8	162	10	< 2	< 0.5	< 0.2	1	< 0.5	3.4	45.2	90.2	9.85
34047	80	23	1	6	164	12	< 2	< 0.5	< 0.2	2	< 0.5	3.4	46.7	96	10.5
34048	100	27	2	16	197	12	< 2	< 0.5	< 0.2	2	< 0.5	4.1	57.9	117	13
34049	40	9	1	< 5	60	5	< 2	< 0.5	< 0.2	< 1	< 0.5	1.4	19.9	41.7	4.54
34050	40	8	1	< 5	51	5	< 2	< 0.5	< 0.2	< 1	< 0.5	1.2	17.8	36.5	3.82
34051	60	15	1	7	99	8	< 2	< 0.5	< 0.2	< 1	< 0.5	2.3	32.5	67	7.18
34052	80	17	1	10	96	12	< 2	< 0.5	< 0.2	< 1	< 0.5	2.5	30.9	65.3	7.31
34053	60	19	1	8	124	16	< 2	< 0.5	< 0.2	< 1	< 0.5	3.2	43.8	89.3	10.1
34054	90	22	1	16	136	17	< 2	< 0.5	< 0.2	1	< 0.5	3.5	45.7	93.3	10.5
34055	120	24	1	< 5	157	14	< 2	< 0.5	< 0.2	1	< 0.5	4.1	48.8	102	11.6

Element:	Zn	Ga	Ge	As	Rb	Nb	Mo	Ag	In	Sn	Sb	Cs	La	Ce	Pr
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	30	1	1	5	2	1	2	0.5	0.2	1	0.5	0.5	0.1	0.1	0.05
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
34056	50	10	< 1	< 5	54	7	< 2	< 0.5	< 0.2	< 1	< 0.5	1.6	20.8	44.1	4.96
34057	60	16	< 1	< 5	110	10	< 2	< 0.5	< 0.2	< 1	< 0.5	3.5	38.3	79.7	8.77
34058	50	9	< 1	< 5	52	6	< 2	< 0.5	< 0.2	< 1	< 0.5	1.6	25	51.8	5.49
34059	50	11	< 1	< 5	70	8	< 2	< 0.5	< 0.2	< 1	< 0.5	2.3	25.3	53	5.85
34060	90	22	1	< 5	172	15	13	< 0.5	< 0.2	2	< 0.5	5.7	52.2	107	12.1
34061	40	13	< 1	< 5	100	10	< 2	< 0.5	< 0.2	2	< 0.5	3	33.2	67.7	7.74
34062	60	17	< 1	6	150	11	3	< 0.5	< 0.2	2	< 0.5	5	37.8	77.9	8.8
34063	80	15	< 1	7	134	10	2	< 0.5	< 0.2	2	< 0.5	3.6	37.3	75	8.35
34064	110	18	2	17	169	12	3	0.8	< 0.2	3	0.6	5	38.5	78.9	8.8
34065	750	9	< 1	15	87	5	19	1.3	< 0.2	2	< 0.5	4.2	19	33.8	4.17
34066	60	17	1	< 5	147	12	4	< 0.5	< 0.2	3	< 0.5	5.3	35.6	73.3	8.24
34067	720	11	< 1	12	100	6	19	1	< 0.2	2	< 0.5	3.7	22.1	41.1	4.83
34068	1240	8	1	21	77	5	20	1.8	< 0.2	2	0.7	4.2	15.8	28.6	3.51
34069	1040	7	< 1	10	66	4	20	2.3	< 0.2	< 1	< 0.5	2.2	14.3	23.8	3.14
34070	890	7	1	27	74	4	21	1.8	< 0.2	1	1.5	2.6	14.8	25.1	3.29
34071	370	8	< 1	9	76	5	24	1.4	< 0.2	< 1	< 0.5	2.9	16.8	28.1	3.54
34072	80	16	1	8	117	11	< 2	0.7	< 0.2	2	< 0.5	4.4	37.6	76	8.47
34073	140	11	< 1	< 5	94	6	12	0.6	< 0.2	1	< 0.5	3.6	21.5	40.8	4.7
34074	420	15	< 1	14	110	8	28	0.6	< 0.2	< 1	< 0.5	7.3	28.9	54.7	6.29
34075	130	19	1	7	113	12	3	0.8	< 0.2	2	0.6	4.1	39.7	80	8.61
34076	150	13	< 1	12	104	10	15	< 0.5	< 0.2	< 1	< 0.5	3.9	28.9	54.6	6.17
34077	90	13	< 1	< 5	88	8	8	< 0.5	< 0.2	< 1	< 0.5	3.2	30.1	60.7	6.61
34078	60	15	1	6	84	12	< 2	< 0.5	< 0.2	< 1	0.5	2.9	36	72.8	8.02
34079	40	12	< 1	< 5	72	9	< 2	< 0.5	< 0.2	< 1	< 0.5	2.6	27	57.5	6.25
34080	50	11	< 1	11	87	13	< 2	< 0.5	< 0.2	< 1	< 0.5	3.2	31.5	65.6	7.01
34081	80	16	1	12	118	17	< 2	< 0.5	< 0.2	< 1	< 0.5	4.1	45	93	10
34082	50	9	< 1	8	64	10	< 2	< 0.5	< 0.2	< 1	< 0.5	2.2	25.9	54	5.75
34083	40	8	< 1	7	61	9	< 2	< 0.5	< 0.2	< 1	< 0.5	1.9	25.9	52.9	5.59
34084	50	8	< 1	11	60	9	< 2	< 0.5	< 0.2	< 1	< 0.5	1.8	26.4	53.4	5.71
34085	50	21	1	19	159	12	< 2	< 0.5	< 0.2	2	< 0.5	4.1	46.7	97.9	10.8

Element:	Zn	Ga	Ge	As	Rb	Nb	Mo	Ag	In	Sn	Sb	Cs	La	Ce	Pr
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	30	1	1	5	2	1	2	0.5	0.2	1	0.5	0.5	0.1	0.1	0.05
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
34086	140	28	1	< 5	186	17	< 2	< 0.5	< 0.2	1	< 0.5	4.9	62.6	120	13.6
34087	80	17	1	20	86	12	< 2	< 0.5	< 0.2	< 1	< 0.5	2.3	34.9	75.3	7.94
34088	50	14	1	6	77	9	< 2	< 0.5	< 0.2	2	< 0.5	2.4	36.6	79.7	8.37
34089	70	15	1	23	73	15	< 2	< 0.5	< 0.2	< 1	< 0.5	2.3	29.6	64	6.92
34090	50	19	1	8	114	13	< 2	< 0.5	< 0.2	1	< 0.5	3.4	44.6	96.1	10.2
34091	70	16	< 1	16	107	13	< 2	< 0.5	< 0.2	< 1	< 0.5	3	37	74.7	8.14
34092	70	18	1	33	125	10	< 2	< 0.5	< 0.2	1	< 0.5	3.3	40.7	82.2	8.85
34093	80	21	1	< 5	149	12	< 2	< 0.5	< 0.2	1	< 0.5	3.5	42.2	83.5	8.92
34094	70	21	1	10	171	12	< 2	< 0.5	< 0.2	1	< 0.5	4.3	54.9	109	11.8
34095	40	11	1	< 5	68	7	< 2	< 0.5	< 0.2	< 1	0.7	1.8	30	62.6	6.6
34096	80	21	1	8	166	12	< 2	< 0.5	< 0.2	2	0.6	4.5	63.6	130	14.3
34097	50	11	1	6	71	7	< 2	< 0.5	< 0.2	< 1	0.5	2.1	25.2	55	5.59
34098	40	12	< 1	8	93	8	< 2	< 0.5	< 0.2	< 1	0.8	2.7	27.8	58.3	6.03
34099	70	18	1	7	119	13	< 2	< 0.5	< 0.2	1	< 0.5	3	39.1	86.7	8.93
34100	50	12	< 1	9	81	9	< 2	< 0.5	< 0.2	< 1	0.6	2.1	34	72.4	7.58
34101	80	20	1	8	129	13	< 2	< 0.5	< 0.2	1	0.5	3.3	41.3	86.5	9.2
34102	80	16	1	8	107	11	< 2	< 0.5	< 0.2	1	< 0.5	2.7	41.3	90.3	9.59
34103	70	18	< 1	20	117	18	< 2	< 0.5	< 0.2	1	0.6	4.1	47.9	97.8	10.5
34104	50	14	< 1	7	116	19	< 2	< 0.5	< 0.2	< 1	< 0.5	2.9	49.9	96.2	10.7
34105	50	15	1	9	96	24	< 2	< 0.5	< 0.2	< 1	< 0.5	2.6	58.4	112	12.6
34106	70	16	1	8	112	26	< 2	< 0.5	< 0.2	< 1	< 0.5	2.8	56.6	110	12.2
34107	50	9	< 1	< 5	71	9	< 2	< 0.5	< 0.2	< 1	< 0.5	2	33.9	72.6	7.57
34108	< 30	6	< 1	11	50	8	< 2	< 0.5	< 0.2	< 1	< 0.5	1.5	23.2	47.5	5.16
34109	< 30	5	< 1	10	41	7	< 2	< 0.5	< 0.2	< 1	< 0.5	1.2	23.4	47.8	5.05
34110	60	11	< 1	11	87	12	< 2	< 0.5	< 0.2	< 1	< 0.5	2.6	42.6	88.8	9.57
34111	40	14	1	10	91	11	< 2	< 0.5	< 0.2	2	< 0.5	3	41.5	83	8.97
34112	30	11	1	< 5	102	8	< 2	< 0.5	< 0.2	17	< 0.5	2.6	38.3	77.9	8.4
34113	40	11	1	< 5	88	7	< 2	< 0.5	< 0.2	21	0.6	2.2	30.8	64.5	6.8
34114	1360	16	< 1	6	130	9	< 2	< 0.5	0.5	9	< 0.5	4.4	47	90.1	10.2
34115	40	13	< 1	26	96	15	< 2	< 0.5	< 0.2	3	1.1	3.1	31.8	61.2	7.19

Element:	Zn	Ga	Ge	As	Rb	Nb	Mo	Ag	In	Sn	Sb	Cs	La	Ce	Pr
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	30	1	1	5	2	1	2	0.5	0.2	1	0.5	0.5	0.1	0.1	0.05
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
34116	110	22	1	9	134	13	< 2	< 0.5	< 0.2	11	< 0.5	4.2	54.4	108	11.9
34117	60	16	< 1	9	121	12	< 2	< 0.5	< 0.2	3	< 0.5	2.9	48.9	93.6	10.8
34118	40	10	< 1	6	86	11	< 2	< 0.5	< 0.2	< 1	3.1	2.7	38.4	71.1	8.04
34119	70	19	1	9	137	24	< 2	< 0.5	< 0.2	< 1	< 0.5	3.8	71.6	131	14.6
34120	90	23	1	6	136	27	< 2	< 0.5	< 0.2	1	< 0.5	3.6	71.6	130	15
34121	80	21	1	8	124	35	< 2	< 0.5	< 0.2	1	< 0.5	3.3	67.2	124	14
34122	50	10	< 1	< 5	69	9	< 2	< 0.5	< 0.2	< 1	< 0.5	1.8	30.8	58.2	6.57
34123	< 30	4	< 1	7	12	4	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	15	30.9	3.23
34124	130	21	1	16	93	92	4	< 0.5	< 0.2	< 1	< 0.5	2.2	80.8	141	14.9
34125	100	25	2	11	151	21	< 2	< 0.5	< 0.2	1	< 0.5	3.8	76.4	141	16
39251	90	20	1	7	137	20	< 2	< 0.5	< 0.2	2	< 0.5	3.4	63.6	118	13.1
39252	50	22	1	< 5	162	21	< 2	< 0.5	< 0.2	1	< 0.5	3.9	61.8	115	12.8
39253	< 30	3	< 1	5	10	3	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	10.6	20.5	2.25
39254	100	19	1	26	59	27	< 2	< 0.5	< 0.2	< 1	< 0.5	1.6	23.7	49.4	5.88
39255	80	21	1	14	123	15	< 2	< 0.5	< 0.2	1	< 0.5	3.6	47.3	89.4	10.1
39256	80	25	2	25	162	20	< 2	< 0.5	< 0.2	1	< 0.5	4.4	65.5	122	14.1
39257	70	18	1	9	118	14	< 2	< 0.5	< 0.2	1	< 0.5	3.4	45.8	86.6	9.69
39258	50	12	< 1	< 5	75	9	< 2	< 0.5	< 0.2	< 1	< 0.5	2.1	29.9	56.4	6.35
39259	130	27	< 1	< 5	25	42	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	34.3	71.3	8.53
39260	150	31	< 1	17	27	45	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	37.6	79.4	9.52
39261	140	29	1	7	27	41	< 2	< 0.5	< 0.2	< 1	< 0.5	0.7	33.6	71.3	8.54
39262	120	27	< 1	< 5	7	41	< 2	< 0.5	< 0.2	< 1	< 0.5	< 0.5	33.3	70.4	8.64
39263	100	25	1	6	103	29	< 2	< 0.5	< 0.2	2	1.6	2.6	48.5	95	11.1
39264	50	14	< 1	8	86	12	< 2	< 0.5	< 0.2	1	0.5	2.2	31.1	59.2	6.75
39265	50	12	< 1	9	94	13	< 2	< 0.5	< 0.2	1	0.6	2.4	35	67.5	7.49
39266	30	9	< 1	< 5	53	8	< 2	< 0.5	< 0.2	< 1	< 0.5	1.8	22.6	45.1	5.06
39267	40	9	< 1	< 5	56	10	< 2	< 0.5	< 0.2	< 1	< 0.5	1.3	23.1	46.1	5.11
39268	120	20	1	7	118	26	< 2	< 0.5	< 0.2	1	< 0.5	2.5	49.3	94.9	10.9
39269	110	13	1	136	26	13	< 2	< 0.5	< 0.2	< 1	< 0.5	0.9	18.6	39.5	4.72
39270	80	10	1	62	43	7	< 2	< 0.5	< 0.2	< 1	< 0.5	1	16.7	32.9	3.72

Element:	Zn	Ga	Ge	As	Rb	Nb	Mo	Ag	In	Sn	Sb	Cs	La	Ce	Pr
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	30	1	1	5	2	1	2	0.5	0.2	1	0.5	0.5	0.1	0.1	0.05
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
39271	80	30	1	< 5	210	14	< 2	< 0.5	< 0.2	2	< 0.5	4.9	59.5	113	12.9
39272	100	10	1	< 5	53	6	< 2	< 0.5	< 0.2	< 1	< 0.5	1.3	24.2	49.1	5.32
39273	40	9	< 1	< 5	46	5	< 2	< 0.5	< 0.2	< 1	< 0.5	1.2	20.4	41.1	4.46
39274	80	21	1	< 5	157	11	< 2	< 0.5	< 0.2	< 1	< 0.5	3.8	46.6	90.8	10.1
39275	70	16	< 1	< 5	114	10	< 2	< 0.5	< 0.2	1	< 0.5	3	38.1	76.4	8.46
39276	90	15	1	< 5	115	8	< 2	< 0.5	< 0.2	< 1	< 0.5	2.8	37.6	74.4	8.31
39277	90	18	1	35	140	10	< 2	< 0.5	< 0.2	3	< 0.5	3.7	39.2	78.9	8.84
39278	40	10	1	< 5	56	6	< 2	< 0.5	< 0.2	1	1.2	1.4	25.6	52.2	5.55
39279	90	14	1	7	100	10	< 2	< 0.5	< 0.2	2	< 0.5	2.8	26.4	57.2	6.25
39280	60	12	< 1	< 5	73	8	< 2	< 0.5	< 0.2	< 1	< 0.5	2.1	23.1	49.5	5.28
39281	100	18	1	10	134	12	< 2	< 0.5	< 0.2	2	< 0.5	5.2	43.2	89	9.87
39282	30	9	1	< 5	52	7	< 2	< 0.5	< 0.2	< 1	< 0.5	2.5	24	49.5	5.65
39283	80	15	1	< 5	88	11	< 2	< 0.5	< 0.2	< 1	< 0.5	2.5	28.3	61	6.43
39284	70	21	1	< 5	180	12	< 2	< 0.5	< 0.2	1	< 0.5	4.8	65.2	124	14.4
39285	60	15	1	< 5	114	10	< 2	< 0.5	< 0.2	1	< 0.5	3.1	39.2	79.4	8.84
39286	60	13	1	< 5	101	8	< 2	< 0.5	< 0.2	1	< 0.5	2.9	32.1	66.7	7.51
39287	100	16	1	< 5	91	16	< 2	< 0.5	< 0.2	< 1	< 0.5	2.7	36.2	77	8.52
39288	70	9	< 1	< 5	68	5	< 2	< 0.5	< 0.2	< 1	< 0.5	2	21.7	46.5	5.08
39289	80	11	1	7	73	12	< 2	< 0.5	< 0.2	< 1	< 0.5	2.2	26.5	55.1	6.23
39290	80	11	< 1	< 5	61	10	< 2	< 0.5	< 0.2	< 1	< 0.5	1.7	28.3	59.4	6.58
39291	120	16	1	< 5	108	9	< 2	< 0.5	< 0.2	1	< 0.5	5.4	34.2	67.5	7.46
39292	60	12	< 1	7	74	12	< 2	< 0.5	< 0.2	< 1	< 0.5	2.1	26.4	55.5	6.15
39293	60	17	1	5	108	9	< 2	< 0.5	< 0.2	< 1	< 0.5	2.9	29.2	59	6.96
39294	70	13	< 1	< 5	68	9	< 2	< 0.5	< 0.2	1	< 0.5	1.8	22.7	48.1	5.54
39295	60	12	1	< 5	81	7	< 2	< 0.5	< 0.2	2	< 0.5	1.9	22	42.6	4.94
39296	50	14	1	16	96	7	< 2	< 0.5	< 0.2	< 1	< 0.5	2	27.7	56.7	6.44
39297	80	21	1	8	128	14	< 2	< 0.5	< 0.2	< 1	< 0.5	3.3	36.6	74.4	8.7
39298	90	18	1	23	103	16	< 2	< 0.5	< 0.2	< 1	< 0.5	2.6	36.7	75.5	8.95
39299	90	23	1	6	133	17	< 2	< 0.5	< 0.2	1	< 0.5	3.3	55.2	113	12.8
39300	50	12	1	< 5	63	7	< 2	< 0.5	< 0.2	< 1	< 0.5	1.7	26	54.7	6.29

Element:	Zn	Ga	Ge	As	Rb	Nb	Mo	Ag	In	Sn	Sb	Cs	La	Ce	Pr
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	30	1	1	5	2	1	2	0.5	0.2	1	0.5	0.5	0.1	0.1	0.05
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
39301	70	20	1	< 5	135	20	< 2	< 0.5	< 0.2	< 1	< 0.5	3.4	50.3	98.3	11.3
39302	110	31	1	< 5	223	15	< 2	< 0.5	< 0.2	1	< 0.5	3.5	57.2	117	14.1
39303	50	16	1	10	98	10	< 2	< 0.5	< 0.2	1	< 0.5	1.8	33.2	68.1	7.95
39304	90	26	1	< 5	169	15	< 2	< 0.5	< 0.2	1	< 0.5	2.9	58.7	117	13.5
39305	50	21	1	< 5	146	9	< 2	< 0.5	< 0.2	1	< 0.5	2.5	46.6	89.6	10.6
39306	80	31	2	11	245	14	< 2	< 0.5	< 0.2	2	< 0.5	3.9	77.6	153	18.3
39307	60	18	1	< 5	107	11	< 2	< 0.5	< 0.2	1	< 0.5	1.9	38.4	80.5	9.04
39308	100	29	2	< 5	216	13	< 2	< 0.5	< 0.2	2	< 0.5	3.8	66.3	132	15.8
39309	70	15	1	< 5	102	9	< 2	< 0.5	< 0.2	< 1	< 0.5	2	36.2	75	8.63
39310	90	23	1	< 5	170	12	< 2	< 0.5	< 0.2	2	< 0.5	3.1	47	95.5	11.3
39311	80	16	1	23	78	18	< 2	< 0.5	< 0.2	1	< 0.5	1.5	29.6	62.4	7.31
39312	60	19	1	7	136	10	< 2	< 0.5	< 0.2	2	0.7	2.6	40.4	82.1	9.2
39313	40	13	< 1	< 5	97	8	< 2	< 0.5	< 0.2	< 1	< 0.5	1.9	30.8	64.9	7.3
39314	50	13	< 1	9	96	9	< 2	< 0.5	< 0.2	< 1	< 0.5	2	25.4	54.3	6.19
39315	40	13	< 1	< 5	90	8	< 2	< 0.5	< 0.2	< 1	< 0.5	2.1	32.1	67.1	7.72
39316	40	9	< 1	< 5	61	6	< 2	< 0.5	< 0.2	1	< 0.5	1.2	27	55	5.99
39317	90	21	1	9	155	12	< 2	< 0.5	< 0.2	2	0.8	2.9	42.5	86.9	9.77
39318	30	9	< 1	< 5	58	6	< 2	< 0.5	< 0.2	< 1	< 0.5	1.2	30	62.4	6.92
39319	50	13	< 1	< 5	89	9	< 2	< 0.5	< 0.2	< 1	< 0.5	1.9	37.5	78.4	8.83
39320	80	19	1	8	146	10	< 2	< 0.5	< 0.2	2	< 0.5	2.9	43.2	86.7	9.83
39321	40	12	< 1	5	81	7	< 2	< 0.5	< 0.2	< 1	< 0.5	2	29.6	63.3	7.07
39322	50	15	< 1	6	102	8	< 2	< 0.5	< 0.2	1	< 0.5	2.6	34	70.7	8.09
39323	40	16	< 1	17	130	9	< 2	< 0.5	< 0.2	1	< 0.5	2.3	39.2	83.2	9.41
39324	50	12	< 1	9	79	7	< 2	< 0.5	< 0.2	1	1.1	1.6	27.3	55.7	6.1
39325	180	16	1	221	105	11	< 2	< 0.5	< 0.2	2	< 0.5	2.1	34	69.4	7.99

Element:	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
34026	20.2	4.6	1.13	4.5	0.7	3.6	0.7	2	0.29	1.9	0.28	5.3	1.3	2	0.2
34027	16.7	3.8	0.81	3.6	0.6	3.5	0.7	2.2	0.33	2.1	0.33	6.3	0.6	2	0.3
34028	41.1	8.1	2.24	7.9	1.1	6.2	1.1	3.1	0.43	2.6	0.39	5.1	2.7	4	0.4
34029	55.2	10	1.99	8.6	1.3	7.2	1.4	3.9	0.59	3.8	0.56	5.6	1.5	2	1.1
34030	23.4	4.7	1.02	4.1	0.6	3.6	0.7	2.2	0.33	2.1	0.32	6.2	0.7	2	0.4
34031	25.9	5.2	1.02	4.9	0.8	4.4	0.9	2.7	0.41	2.7	0.41	5.4	0.8	1	0.5
34032	47	9	1.69	8.2	1.3	7.3	1.4	4.3	0.65	4.2	0.62	5.6	1.3	2	0.6
34033	28.1	5.8	1.16	5.3	0.8	4.7	0.9	2.8	0.43	2.8	0.41	6.1	1	2	0.7
34034	27.7	5.4	1.09	4.7	0.7	3.9	0.8	2.4	0.35	2.2	0.34	4.6	0.9	1	0.4
34035	30.4	6.3	1.28	5.9	0.9	4.9	1	2.9	0.45	2.9	0.43	5.7	1	3	0.7
34036	16.5	3.9	0.79	3.4	0.5	2.9	0.6	1.8	0.26	1.7	0.26	5.1	0.6	1	0.3
34037	20.2	4	0.86	3.6	0.5	3	0.6	1.7	0.26	1.6	0.25	4.1	0.6	< 1	0.5
34038	35.9	6.6	1.31	5.9	0.9	5	1	2.9	0.43	2.8	0.41	5.1	1.1	1	0.8
34039	39.8	7.3	1.27	5.9	0.8	4.3	0.8	2.4	0.36	2.4	0.34	4.8	1.2	2	0.9
34040	60.4	11	1.9	9.1	1.2	6.6	1.2	3.5	0.52	3.4	0.5	4.5	1.7	2	1.4
34041	26.6	5	0.98	4.3	0.6	3.5	0.7	2	0.3	1.9	0.28	4.5	0.8	1	0.6
34042	45.7	8.4	1.57	7.3	1	5.5	1	3.1	0.46	3	0.44	5.3	1.6	2	1.2
34043	41.1	7.5	1.31	6.2	0.9	5.2	1	3	0.44	2.8	0.42	7	1.3	1	0.9
34044	32.7	6.1	1.27	5.4	0.8	4.5	0.9	2.6	0.4	2.5	0.38	4.5	1	1	0.8
34045	42.9	8.7	1.72	7.8	1.2	6.9	1.4	4.1	0.62	4	0.6	6.5	1.3	2	0.8
34046	35.5	6.2	1.32	5.8	0.9	5.2	1	3	0.44	2.8	0.4	3.6	0.9	2	0.8
34047	38.5	8.1	1.58	7.5	1.1	6.1	1.2	3.6	0.54	3.4	0.51	5	1.1	2	0.8
34048	47.8	9.2	1.77	8.2	1.2	6.8	1.3	3.8	0.56	3.6	0.53	4.3	1.3	2	1.1
34049	17.5	3.8	0.82	3.2	0.5	2.6	0.5	1.5	0.23	1.5	0.24	4.6	0.5	1	0.4
34050	14.2	3	0.66	2.8	0.4	2.3	0.4	1.3	0.2	1.3	0.21	4	0.4	< 1	0.3
34051	26.1	5.1	1.08	4.6	0.7	3.7	0.7	2.1	0.31	2	0.32	4.9	0.8	1	0.5
34052	26.5	5.6	1.27	5.2	0.8	4.4	0.8	2.6	0.39	2.6	0.39	5.5	1	1	0.5
34053	37	7.3	1.53	6.7	1	5.2	1	2.9	0.43	2.7	0.41	4	1.5	1	0.6
34054	38.9	7.8	1.85	7.5	1.1	6.4	1.2	3.6	0.53	3.3	0.48	4.3	1.6	2	0.8
34055	42.9	8.8	1.75	8.1	1.3	7.3	1.4	4.3	0.66	4.2	0.63	5.5	1.3	1	0.8

Element:	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
34056	18.6	3.8	0.85	3.9	0.7	3.8	0.8	2.3	0.36	2.4	0.37	6.5	0.6	< 1	0.3
34057	32.9	6.8	1.35	6.1	1	5.3	1	3.2	0.49	3.1	0.45	5.7	1.1	2	0.6
34058	20	4.1	0.82	3.7	0.6	3.1	0.6	1.8	0.28	1.8	0.28	5.4	0.7	< 1	0.4
34059	21.7	4.5	0.87	4.3	0.7	3.8	0.8	2.3	0.35	2.3	0.36	5.2	0.8	2	0.4
34060	45.2	9.3	1.74	8.7	1.3	7.4	1.4	4.3	0.65	4.2	0.63	5.2	1.6	3	0.8
34061	29	5.8	1.12	5.3	0.9	5	1	3	0.47	3	0.46	6.6	0.9	2	1.1
34062	32.7	7.2	1.36	6.9	1.2	7.1	1.3	4	0.59	3.6	0.49	4.8	1.2	2	1.2
34063	30.2	6.3	1.22	5.8	1	5.3	1	2.8	0.39	2.4	0.34	4	1.1	1	1.2
34064	31.9	6.5	1.15	6.2	1	5.7	1.1	3.1	0.42	2.5	0.34	4.1	1.3	1	1.8
34065	15.7	3.1	0.72	3.2	0.5	2.8	0.5	1.6	0.23	1.4	0.22	1.6	0.5	3	0.9
34066	29.7	6.3	1.1	5.9	1	5.7	1.1	3	0.41	2.5	0.34	4.1	1.3	2	1.5
34067	18	3.6	0.67	3.4	0.5	3	0.6	1.7	0.25	1.5	0.22	2.1	0.7	2	1.2
34068	12.8	2.6	0.52	2.4	0.4	2.1	0.4	1.2	0.18	1.2	0.18	1.4	0.4	2	1.2
34069	12.3	2.6	0.72	2.8	0.4	2.2	0.4	1.2	0.18	1.1	0.18	1	0.3	1	1
34070	12.5	2.6	0.74	2.7	0.4	2.4	0.5	1.4	0.2	1.3	0.21	1.1	0.4	< 1	1.3
34071	13.2	2.5	0.6	2.5	0.4	2.1	0.4	1.2	0.18	1.1	0.17	1.2	0.4	< 1	1.2
34072	30.8	6.5	1.32	6	1	5.4	1	2.8	0.38	2.3	0.32	4	1.1	< 1	1.6
34073	17.5	3.4	0.67	3	0.5	2.5	0.5	1.4	0.21	1.4	0.24	1.7	0.5	< 1	1.3
34074	23.3	4.6	0.93	4.3	0.6	3.4	0.7	2	0.29	1.8	0.27	2.5	0.8	3	1.3
34075	31.6	6.3	1.27	5.9	0.9	4.9	0.9	2.5	0.35	2.1	0.3	4	1.1	3	1.3
34076	22.5	4.2	0.88	3.8	0.5	3	0.6	1.7	0.25	1.6	0.25	2.1	0.8	2	1.1
34077	24.1	4.7	1.02	4.4	0.7	3.7	0.7	2	0.3	1.9	0.29	2.1	0.7	1	0.8
34078	29.3	5.6	1.19	5.3	0.8	4.2	0.8	2.2	0.31	2	0.31	3	1	2	0.7
34079	23.7	4.5	0.93	4.2	0.6	3.4	0.6	1.9	0.28	1.7	0.26	2.4	0.7	1	0.5
34080	26.2	5	0.97	4.7	0.6	3.3	0.6	1.7	0.24	1.5	0.22	2	1	1	0.5
34081	37.3	7.1	1.52	6.7	1	5.6	1	3	0.44	2.7	0.39	2.8	1.3	2	0.5
34082	20.4	3.8	0.88	3.2	0.5	2.5	0.4	1.2	0.17	1.1	0.16	1.6	0.7	< 1	0.4
34083	20.8	4	0.97	3.8	0.6	3.1	0.6	1.6	0.23	1.5	0.21	1.5	0.6	2	0.3
34084	21	3.9	1.01	3.4	0.5	2.5	0.5	1.3	0.18	1.1	0.17	1.6	0.7	1	0.4
34085	40.9	8.3	1.1	7.6	1.1	6.1	1.1	3.3	0.48	2.9	0.41	5	1.5	< 1	1.1

Element:	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
34086	50	8.9	1.72	7.4	1.1	5.9	1.1	3.2	0.47	3	0.46	5	1.4	2	1
34087	29.1	5.7	1.12	4.8	0.7	3.8	0.7	2	0.3	2	0.3	6.6	1	1	0.5
34088	31.4	5.9	1.1	5	0.7	3.8	0.7	2.2	0.32	2	0.31	7.3	0.9	1	0.5
34089	26.7	5.6	1.41	5.4	0.8	4.3	0.8	2.4	0.35	2.3	0.34	5.7	1.3	< 1	0.4
34090	37.5	6.7	1.29	5.8	0.8	4.5	0.8	2.5	0.37	2.4	0.38	8.2	1.2	8	0.7
34091	29.7	5.7	1.33	5.2	0.7	3.8	0.7	2	0.29	1.9	0.28	4.5	1.2	2	0.6
34092	32.9	6.2	1.24	5.4	0.8	3.9	0.7	2.2	0.32	2	0.31	4.4	1	1	0.7
34093	31.8	5.6	1.28	4.7	0.7	3.8	0.7	2.1	0.32	2.1	0.32	5.3	1.1	2	0.7
34094	42.4	7.7	1.55	6.4	0.9	5	1	3	0.44	2.8	0.4	5.1	1.2	3	1.1
34095	24	4.4	0.85	3.7	0.5	2.7	0.5	1.6	0.23	1.5	0.23	5.7	0.7	2	0.4
34096	54.3	11.1	2.22	10.8	1.5	7.7	1.3	3.8	0.53	3.3	0.49	5.7	1.3	5	1
34097	20.5	4	0.79	3.3	0.5	2.6	0.5	1.5	0.22	1.4	0.22	5.5	0.7	4	0.4
34098	22.3	4.2	0.85	3.7	0.6	3.1	0.6	1.7	0.26	1.7	0.25	4.7	0.8	2	0.6
34099	32.8	6.8	1.41	6.1	0.9	4.8	0.9	2.4	0.36	2.3	0.34	6.5	1.3	2	0.6
34100	28.4	5.5	1.07	4.6	0.7	3.5	0.7	2	0.29	1.8	0.29	6.7	0.9	3	0.5
34101	33.3	6.2	1.27	5.4	0.8	4.3	0.8	2.4	0.36	2.4	0.37	6	1.2	2	0.7
34102	38.4	8.3	1.45	7.8	1.1	5.9	1.1	3.2	0.45	2.7	0.4	6.4	1.2	9	0.7
34103	38.5	6.9	1.5	6.1	0.8	4.6	0.8	2.5	0.36	2.3	0.34	5.9	1.6	2	0.7
34104	39.3	6.8	1.42	6.1	0.9	4.5	0.8	2.4	0.34	2.2	0.32	3.9	1.6	< 1	0.6
34105	46.8	8.3	1.75	7.1	1	5.4	1	2.8	0.41	2.5	0.36	5.2	2.1	< 1	0.6
34106	45	8	1.62	7.1	1	5.3	1	2.7	0.39	2.5	0.37	5.4	2.1	2	0.5
34107	27.7	5.1	1.05	4.5	0.7	3.6	0.7	2	0.29	1.8	0.26	2	0.8	3	0.3
34108	18.5	3.4	0.76	3.1	0.4	2.3	0.4	1.2	0.18	1.1	0.16	1.5	0.6	< 1	0.2
34109	18.6	3.4	0.82	2.9	0.4	2.1	0.4	1.1	0.16	1	0.14	1.4	0.5	< 1	0.2
34110	36.8	7.2	1.5	7.2	1.1	6.2	1.2	3.5	0.52	3.1	0.44	2.7	1	2	0.4
34111	33.7	5.9	1.18	5.1	0.7	4	0.7	2.1	0.31	2	0.3	5.8	1	2	0.6
34112	31.1	5.6	0.91	4.5	0.6	3.4	0.6	1.8	0.27	1.7	0.26	7.5	0.7	3	0.6
34113	24.5	4.2	0.74	3.4	0.5	2.5	0.5	1.4	0.21	1.4	0.21	7.4	0.7	3	0.5
34114	37.7	6.6	1.3	5.9	0.8	4.5	0.8	2.4	0.36	2.2	0.32	4.3	0.9	3	0.8
34115	27.3	5.1	1.16	4.7	0.7	3.9	0.7	2.1	0.29	1.8	0.27	2.8	1.2	2	0.5

Element:	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
34116	43.2	7.9	1.5	6.4	0.9	5.1	0.9	2.8	0.41	2.7	0.38	6.1	1.3	3	0.7
34117	38.9	6.8	1.37	6.2	0.9	4.8	0.9	2.6	0.38	2.4	0.36	3.8	1.1	5	0.6
34118	29.7	5.4	1.08	4.8	0.7	3.8	0.7	2	0.29	1.8	0.27	2.9	0.9	< 1	0.4
34119	52.9	9.1	1.82	7.5	1	5.6	1	2.9	0.43	2.7	0.41	4.9	2.1	1	0.7
34120	53.4	9.5	1.89	7.5	1.1	5.6	1	2.8	0.4	2.6	0.39	5	2.2	1	0.6
34121	50.4	8.8	1.83	6.7	1	5.3	0.9	2.6	0.37	2.4	0.35	4.8	2.8	2	0.6
34122	23.7	4.3	0.87	3.6	0.6	3	0.6	1.7	0.25	1.6	0.24	3	0.7	< 1	0.3
34123	11.7	2.3	0.7	1.8	0.3	1.6	0.3	0.8	0.12	0.8	0.12	2.1	0.3	< 1	< 0.1
34124	53.5	9.3	2.59	7.2	1.1	5.3	0.9	2.4	0.32	2	0.29	6.8	6.9	3	0.4
34125	55.4	9.7	1.64	7.2	1.1	5.9	1.1	3.1	0.46	2.9	0.43	3.8	1.6	2	0.7
39251	46.2	8	1.22	6.2	0.9	5.2	1	2.8	0.41	2.6	0.38	3.7	1.6	2	0.5
39252	44	7.6	1.29	5.9	0.9	5	0.9	2.9	0.42	2.8	0.4	3.9	1.7	2	0.7
39253	8.2	1.6	0.53	1.4	0.2	1.3	0.2	0.7	0.1	0.6	0.09	0.8	0.2	< 1	< 0.1
39254	23.3	5.1	1.48	4.6	0.7	3.8	0.7	1.7	0.24	1.5	0.22	3.5	2	2	0.2
39255	36	6.6	1.14	5.2	0.8	4.5	0.9	2.5	0.37	2.4	0.36	3.5	1.3	1	0.5
39256	50.4	9.1	1.53	7.3	1.1	6.4	1.2	3.5	0.51	3.3	0.48	3.9	1.6	1	0.8
39257	35.1	6.6	1.3	5.4	0.9	4.9	0.9	2.6	0.39	2.5	0.36	2.8	1.2	< 1	0.5
39258	22.8	4.2	0.81	3.4	0.5	2.9	0.5	1.5	0.22	1.4	0.21	2	0.8	< 1	0.4
39259	34.5	7.6	2.38	7.4	1.1	5.6	1	2.7	0.36	2.2	0.31	5.2	3	2	0.1
39260	38	8.3	2.55	8.2	1.2	5.9	1.1	2.8	0.37	2.3	0.32	5.8	3.3	6	0.1
39261	33.9	7.6	2.46	7.5	1.1	5.5	1	2.7	0.35	2.1	0.29	5.1	2.9	2	0.1
39262	35.4	7.8	2.73	7.8	1.1	5.7	1	2.8	0.36	2.2	0.31	5.1	2.9	2	< 0.1
39263	41.9	8.3	1.87	7.5	1	5.4	1	2.7	0.39	2.5	0.36	4.4	2.1	1	0.5
39264	24.7	4.5	0.91	4	0.6	3.2	0.6	1.8	0.27	1.7	0.24	2.5	0.9	2	0.4
39265	27	4.8	1.01	4.2	0.6	3.3	0.6	1.8	0.25	1.6	0.24	2.7	1	2	0.4
39266	18.5	3.7	0.75	3.4	0.5	2.9	0.6	1.7	0.25	1.6	0.24	2.9	0.6	1	0.2
39267	18.5	3.5	0.86	3.3	0.5	2.8	0.5	1.5	0.22	1.4	0.21	2.8	0.7	2	0.3
39268	38.2	7.2	1.58	6.3	0.9	4.9	0.9	2.8	0.39	2.4	0.36	4	1.9	3	0.5
39269	18.6	4.1	1.09	4.1	0.6	3.4	0.6	1.8	0.25	1.5	0.23	2.5	0.9	3	0.1
39270	14.1	2.9	0.75	2.8	0.5	2.8	0.5	1.5	0.22	1.5	0.21	3.2	0.5	2	0.2

Element:	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
39271	47.1	9.1	1.83	7.9	1.2	6.4	1.2	3.6	0.54	3.4	0.5	4.4	1.3	2	0.9
39272	19	3.8	0.78	3.3	0.5	2.6	0.5	1.6	0.24	1.6	0.24	5.3	0.6	1	0.3
39273	16.3	3.2	0.7	3.1	0.5	2.6	0.5	1.6	0.24	1.5	0.23	4.1	0.6	2	0.2
39274	37.1	7.3	1.4	6.2	0.9	5	1	3	0.45	2.8	0.41	5.1	1.1	2	0.6
39275	31	6.1	1.21	5.5	0.8	4.5	0.9	2.7	0.4	2.6	0.39	6.4	1	2	0.6
39276	30	5.9	1.23	5.4	0.8	4.3	0.9	2.6	0.38	2.4	0.36	3.9	0.8	3	0.6
39277	31.9	6.4	1.27	5.7	0.8	4.7	0.9	2.6	0.38	2.5	0.38	4	1	3	0.8
39278	20	3.7	0.75	3	0.4	2.4	0.5	1.4	0.21	1.4	0.21	4.8	0.7	1	0.4
39279	22.3	4.1	0.88	3.7	0.5	2.8	0.6	1.8	0.27	1.8	0.29	5.6	1	3	0.5
39280	19.1	3.7	0.77	3.2	0.5	2.6	0.5	1.5	0.23	1.4	0.21	3.4	0.8	< 1	0.5
39281	35.3	6.4	1.28	5.4	0.7	4.1	0.8	2.3	0.34	2.2	0.32	5.6	1.1	2	0.8
39282	20.9	4.5	1.14	4.9	0.7	3.7	0.7	1.8	0.24	1.5	0.21	4.1	0.6	1	0.3
39283	23.1	4.5	0.91	3.7	0.5	2.9	0.6	1.7	0.25	1.6	0.24	4.6	1	1	0.6
39284	50	9.1	1.8	7.6	1.1	5.7	1.1	3.2	0.46	2.9	0.42	3.9	1.3	2	1
39285	31.2	5.8	1.12	5.2	0.7	4	0.8	2.3	0.32	2.1	0.32	4.3	1	2	0.7
39286	27.7	5.3	1.03	4.9	0.8	4.2	0.8	2.4	0.35	2.2	0.32	2.3	0.7	1	0.6
39287	31.8	6.5	1.41	6.1	0.9	4.5	0.8	2.4	0.35	2.2	0.31	5.4	1.4	2	0.8
39288	18.8	3.8	0.8	3.9	0.6	3.6	0.7	2.1	0.3	1.9	0.28	1.5	0.5	2	0.4
39289	22.7	4.5	1.03	4.2	0.6	3.5	0.7	1.9	0.27	1.7	0.26	3.6	0.9	1	0.5
39290	24.3	4.7	0.96	4.2	0.6	3.2	0.6	1.8	0.27	1.8	0.28	5.2	0.9	1	0.4
39291	26.9	5	1	4.3	0.6	3.5	0.7	2	0.29	1.9	0.27	4.3	0.9	2	0.7
39292	22.8	4.6	1.07	4.2	0.6	3.5	0.6	1.8	0.27	1.7	0.25	4.7	1.1	2	0.5
39293	23.7	4.3	0.92	4	0.6	3.3	0.6	1.8	0.27	1.7	0.27	3.7	0.7	2	1
39294	19.2	4	0.68	3.6	0.6	3.4	0.6	1.8	0.26	1.6	0.21	3.6	0.9	1	0.4
39295	17.8	3.4	0.7	3.2	0.5	2.7	0.5	1.5	0.23	1.5	0.23	2.8	0.7	< 1	0.5
39296	22.4	4.3	0.87	3.5	0.5	3	0.6	1.7	0.25	1.7	0.25	4.1	0.8	2	0.6
39297	29.7	5.7	1.22	5	0.7	4	0.8	2.2	0.32	2.1	0.3	4.3	1.2	1	0.6
39298	32.2	6.3	1.32	5.5	0.8	4.4	0.8	2.4	0.34	2.1	0.31	4.2	1.4	2	0.6
39299	44.5	7.7	1.63	6.1	0.9	4.7	0.9	2.5	0.36	2.3	0.34	5.8	1.4	1	0.7
39300	21.5	4.1	0.73	3.4	0.5	2.6	0.5	1.4	0.21	1.3	0.22	4.6	0.6	< 1	0.3

Element:	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Tl
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:	0.1	0.1	0.05	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.04	0.2	0.1	1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.															
39301	39.2	7	1.42	5.7	0.8	4.3	0.8	2.3	0.33	2.1	0.31	3.8	1.6	2	0.7
39302	49.4	9.5	1.8	8.7	1.2	6.6	1.3	3.6	0.51	3.2	0.47	4.7	1.3	2	1
39303	27	5	1.02	4.2	0.6	3.3	0.6	1.8	0.27	1.7	0.25	4.7	0.8	1	0.5
39304	47.3	8.9	1.7	7.9	1.1	6.1	1.2	3.5	0.51	3.2	0.47	6.2	1.5	1	0.9
39305	36.3	6.2	1.29	5	0.7	3.7	0.7	2.1	0.31	2	0.3	3.5	0.8	1	0.8
39306	62.3	11.3	2.06	9	1.5	8.3	1.6	4.5	0.64	4.1	0.6	4.2	1.4	2	1.3
39307	31	5.5	1.1	4.7	0.6	3.4	0.7	2.1	0.31	2.1	0.32	6.6	1.1	1	0.6
39308	53	9.9	1.78	8.5	1.1	6.2	1.2	3.5	0.51	3.2	0.47	4.5	1.3	2	1.2
39309	28.7	5	1.08	4.6	0.7	3.8	0.7	2.2	0.33	2	0.3	4.7	0.8	< 1	0.6
39310	38.5	7	1.33	6	0.9	4.9	1	2.9	0.42	2.7	0.42	4.4	1.2	2	1.1
39311	27	5.6	1.4	5.1	0.7	4.2	0.8	2.1	0.3	1.9	0.29	5.6	1.6	2	0.5
39312	32.5	5.7	1.02	4.6	0.6	3.6	0.7	2.1	0.32	2.1	0.32	6.5	1	1	0.9
39313	25.8	4.6	0.86	4.1	0.6	3.4	0.7	2	0.3	1.9	0.3	7.6	0.9	< 1	0.6
39314	21.6	4.2	0.87	3.5	0.5	2.9	0.6	1.7	0.25	1.6	0.25	5.6	0.9	1	0.7
39315	26.5	4.8	0.85	4	0.6	3.1	0.6	1.8	0.26	1.7	0.27	7.1	0.9	1	0.6
39316	21	3.8	0.72	3.1	0.4	2.4	0.5	1.4	0.21	1.4	0.21	5.8	0.7	< 1	0.4
39317	35.1	6.4	1.21	5.4	0.8	4.3	0.8	2.4	0.36	2.4	0.36	6.7	1.2	1	1.1
39318	23.6	4.4	0.79	3.8	0.5	3	0.6	1.7	0.26	1.7	0.26	6.9	0.8	< 1	0.4
39319	30.8	5.6	1	4.6	0.6	3.2	0.6	1.9	0.28	1.8	0.28	6.5	1	1	0.6
39320	35.2	6.6	1.27	5.5	0.8	4.4	0.8	2.4	0.36	2.3	0.34	5.6	1.1	1	1
39321	24.5	4.6	0.89	3.8	0.5	2.8	0.5	1.6	0.24	1.7	0.25	6.5	0.9	< 1	0.6
39322	27.8	5.1	0.95	4.2	0.6	3	0.6	1.8	0.27	1.7	0.26	5	0.9	1	0.9
39323	32.5	5.6	1.08	4.7	0.6	3.4	0.7	1.9	0.29	1.9	0.3	6.1	0.9	< 1	1.2
39324	21.6	4	0.78	3.4	0.5	2.8	0.6	1.7	0.25	1.6	0.24	6	0.7	2	1.5
39325	29	5.5	1.16	4.6	0.7	3.7	0.7	2.1	0.3	1.9	0.28	4.6	1.1	2	1.7

Element:	Pb	Bi	Th	U
Units:	ppm	ppm	ppm	ppm
Detection Limit:	5	0.4	0.1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.				
34026	6	< 0.4	6.2	1.8
34027	10	< 0.4	7.2	1.9
34028	13	< 0.4	9.6	3
34029	39	0.6	22.3	4
34030	11	< 0.4	12.1	2.5
34031	20	0.5	10.3	2.8
34032	19	< 0.4	17.1	4.1
34033	24	< 0.4	12.7	3.2
34034	51	0.4	13.5	2.9
34035	16	< 0.4	15.1	3.2
34036	14	< 0.4	9.8	1.9
34037	30	0.9	10.3	2.3
34038	18	0.7	16.2	3.6
34039	50	1.6	19.3	3.5
34040	20	0.8	28.2	5.4
34041	16	0.6	13.8	2.9
34042	18	0.7	21.9	4.9
34043	12	0.5	20.6	4.4
34044	32	0.6	13.4	3.3
34045	9	< 0.4	16.9	4.5
34046	159	1.6	15.4	3.8
34047	21	< 0.4	15.6	3.9
34048	37	0.9	18.3	4.1
34049	12	< 0.4	8.6	1.8
34050	8	< 0.4	7.5	1.8
34051	12	< 0.4	11.4	2.6
34052	11	< 0.4	10.2	2.7
34053	7	< 0.4	12.9	3.1
34054	31	0.7	13.9	3.6
34055	17	< 0.4	15.7	4.2

Element:	Pb	Bi	Th	U
Units:	ppm	ppm	ppm	ppm
Detection Limit:	5	0.4	0.1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.				
34056	10	< 0.4	7.6	2.2
34057	8	< 0.4	13.5	3.5
34058	12	< 0.4	10.9	2.5
34059	8	< 0.4	9.8	3.2
34060	19	< 0.4	17.2	5.4
34061	< 5	< 0.4	11.5	3.5
34062	10	< 0.4	16	7.3
34063	15	< 0.4	16.3	4.7
34064	33	0.7	17.7	5.5
34065	19	< 0.4	5.8	8.4
34066	19	< 0.4	17.2	4.9
34067	10	< 0.4	8.2	7
34068	22	< 0.4	5.5	7.1
34069	9	< 0.4	4	7.8
34070	27	< 0.4	4.3	8.3
34071	7	< 0.4	4.7	7.1
34072	20	< 0.4	16.8	4.1
34073	24	< 0.4	7.1	5
34074	13	< 0.4	9.4	8.6
34075	30	< 0.4	14.7	4.1
34076	11	< 0.4	8	6.2
34077	7	< 0.4	8.8	4.5
34078	11	< 0.4	11.9	2.7
34079	9	< 0.4	8.9	2
34080	8	< 0.4	7.7	3.2
34081	8	< 0.4	10.9	3.9
34082	8	< 0.4	6.7	2.7
34083	7	< 0.4	6	3.1
34084	13	< 0.4	6.2	2.7
34085	18	< 0.4	20.2	6.1

Element:	Pb	Bi	Th	U
Units:	ppm	ppm	ppm	ppm
Detection Limit:	5	0.4	0.1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.				
34086	5	< 0.4	17.9	5.1
34087	19	< 0.4	14.4	3
34088	31	< 0.4	16.4	3.6
34089	12	< 0.4	10.2	2.4
34090	18	< 0.4	19.1	3.9
34091	26	< 0.4	11.6	2.6
34092	16	< 0.4	13.4	3
34093	14	0.4	13.4	3.2
34094	21	< 0.4	16.8	3.9
34095	15	< 0.4	13	2.6
34096	16	< 0.4	19.6	4.5
34097	16	< 0.4	10.6	2.3
34098	76	< 0.4	10.7	2.3
34099	10	< 0.4	14	3.4
34100	20	< 0.4	13.9	2.9
34101	39	< 0.4	15.2	3.6
34102	26	< 0.4	14.4	3.5
34103	23	< 0.4	15.4	3.4
34104	14	< 0.4	13.5	2.3
34105	23	< 0.4	14.9	3
34106	8	< 0.4	15.3	2.8
34107	18	< 0.4	9	2.7
34108	7	< 0.4	6	2.5
34109	7	< 0.4	5.4	2.3
34110	8	< 0.4	10.3	4.8
34111	29	0.5	13.5	2.8
34112	12	< 0.4	15.9	2.8
34113	26	1.3	14.1	2.4
34114	47	0.5	15	3.4
34115	23	< 0.4	8.2	1.6

Element:	Pb	Bi	Th	U
Units:	ppm	ppm	ppm	ppm
Detection Limit:	5	0.4	0.1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.				
34116	17	0.8	19.7	4.6
34117	17	< 0.4	14.4	3.2
34118	24	< 0.4	10.3	2
34119	23	< 0.4	18.3	3.3
34120	16	< 0.4	17.8	3.4
34121	17	< 0.4	16	3
34122	14	< 0.4	8.4	2
34123	18	< 0.4	4.2	1.2
34124	< 5	< 0.4	12.6	2.8
34125	7	< 0.4	19.8	2.7
39251	31	< 0.4	15.9	2.5
39252	5	< 0.4	16.1	2.7
39253	6	< 0.4	2.1	1
39254	< 5	< 0.4	3.5	0.9
39255	7	< 0.4	12.5	2
39256	12	1	17.9	4
39257	14	< 0.4	12.6	2.2
39258	12	< 0.4	8.2	1.7
39259	< 5	< 0.4	4.3	1.1
39260	< 5	< 0.4	5	1.1
39261	< 5	< 0.4	4.3	1
39262	< 5	< 0.4	4.3	1
39263	8	1	11.8	2.3
39264	8	< 0.4	9.8	2.3
39265	22	< 0.4	9.7	2.4
39266	8	< 0.4	7.1	1.8
39267	17	< 0.4	6.6	1.7
39268	18	< 0.4	13.2	2.9
39269	26	< 0.4	3.8	1
39270	24	0.4	6	1.6

Element:	Pb	Bi	Th	U
Units:	ppm	ppm	ppm	ppm
Detection Limit:	5	0.4	0.1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.				
39271	38	0.9	17.9	4.5
39272	6	< 0.4	10.9	2.4
39273	21	< 0.4	9	2
39274	9	< 0.4	16.5	4
39275	17	< 0.4	16.1	3.6
39276	33	< 0.4	12.5	3
39277	11	< 0.4	13.7	3.3
39278	9	0.4	11.7	2.4
39279	15	< 0.4	12.3	2.7
39280	46	< 0.4	9.6	2
39281	10	< 0.4	16.3	3.2
39282	35	< 0.4	10	9.1
39283	15	< 0.4	11.6	2.5
39284	15	< 0.4	20.5	4.1
39285	18	< 0.4	15.7	3.2
39286	14	< 0.4	10	4.1
39287	12	< 0.4	12	2.5
39288	12	< 0.4	6.3	4.2
39289	8	< 0.4	8.2	2
39290	7	< 0.4	11.4	2.5
39291	24	< 0.4	12.2	3.2
39292	18	< 0.4	9.8	2
39293	12	< 0.4	10.7	2.4
39294	43	< 0.4	10	3.3
39295	26	< 0.4	8.7	2.4
39296	19	< 0.4	10.9	2.5
39297	22	< 0.4	13.3	3.1
39298	40	0.7	11.3	2.6
39299	16	< 0.4	16.5	3
39300	20	< 0.4	10.4	2.2

Element:	Pb	Bi	Th	U
Units:	ppm	ppm	ppm	ppm
Detection Limit:	5	0.4	0.1	0.1
Reference Method:	FUS-MS	FUS-MS	FUS-MS	FUS-MS
Client I.D.				
39301	9	< 0.4	13.6	3.1
39302	11	< 0.4	18.1	4.7
39303	15	0.4	12.5	2.3
39304	13	< 0.4	20.2	4.5
39305	22	< 0.4	14.6	3.5
39306	24	< 0.4	22.6	3.9
39307	18	< 0.4	16.1	3.5
39308	40	0.6	20.9	4.2
39309	16	< 0.4	14.2	3.1
39310	23	0.6	16.5	3.8
39311	13	< 0.4	9.4	2.1
39312	35	0.9	16.4	3.4
39313	29	< 0.4	15.7	3.2
39314	18	< 0.4	12	2.5
39315	16	< 0.4	15.9	2.7
39316	16	0.4	12.8	2.1
39317	19	0.5	17.7	3.6
39318	18	< 0.4	14.9	2.6
39319	24	< 0.4	18.4	3.1
39320	26	0.4	16	3.4
39321	21	< 0.4	14.5	2.3
39322	24	< 0.4	14.9	2.7
39323	23	< 0.4	17.2	3.5
39324	17	< 0.4	12.9	2.7
39325	72	0.4	12	2.9

Grid Name: Frank Creek
Location: 80 m North of D road
Collar Grid Co-ordinates: 59+05N / 20+08W
Collar UTM Co-ordinates: 609908 / 5845828
Logged By: J. Laberge

Collar Azimuth: 090°
Collar Dip: -70°
Start Date: 11-21-2005
Finish Date: 11-25-2005
Drill Contractor: Hardrock Diamond Drilling Ltd.

Drill Hole Summary:

Targets a MT resistivity-low anomaly at 200-250 m depth from the Quantec Survey. Also test a shallow conductive IP-high in upper 30 m and shallow DC-low. Follows Quantec's (2004) proposed drill hole DDH 59N-03. Target selected by L. Doyle and P. Anderson. Drill hole spotted by J. Laberge.

From (m)	To (m)	Interval		From (m)	To (m)	Interval	
3.66	56.15	52.5	Carbonaceous Argillite	177.53	187.99	10.5	Sandstone
56.15	75.38	19.2	Interbedded Siltstone and Argillite	187.99	190.00	2.0	Altered Sandstone
75.38	94.55	19.2	Sandstone	190.00	191.94	1.9	Sandstone
94.55	100.63	6.1	Laminated Siltstone	191.94	194.04	2.1	Altered Sandstone
100.63	107.48	6.9	Mixed Siltstone and Sandstone	194.04	195.23	1.2	Sandstone
107.48	115.43	8.0	Sandstone	195.23	200.39	5.2	Laminated Siltstone
115.43	117.85	2.4	Carbonaceous Argillite	200.39	217.88	17.5	Sandstone
117.85	124.84	7.0	Silicified Sandstone	217.88	225.32	7.4	Coarse Sandstone
124.84	125.02	0.2	Carbonaceous Argillite	225.32	227.23	1.9	Altered Sandstone
125.02	127.26	2.2	Brittle Fault Zone	227.23	273.33	46.1	Coarse Sandstone
127.26	133.16	5.9	Sandstone to Siltstone	273.33	310.50	37.2	Siltstone to Sandstone
133.16	136.65	3.5	Muscovite Schist	310.50	354.35	43.9	Sandstone to Siltstone
136.65	137.77	1.1	Siltstone	354.35	376.95	22.6	Coarse Sandstone
137.77	141.53	3.8	Siltstone to Argillite	376.95	380.46	3.5	Fault Zone
141.53	142.02	0.5	Siltstone	380.46	392.60	12.1	Sandstone to Siltstone
142.02	148.06	6.0	Siltstone and Sandstone	392.60	395.07	2.5	Altered Sandstone
148.06	177.53	29.5	Alteration Zone in Sandstone	395.07	395.43	0.4	Sandstone

Down Hole Tests: none

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
0	3.66	CASING											
3.66	56.15	**Carbonaceous Argillite**	none										
		Black to dk grey, FG graphitic argillite. Massive to laminated with 2-5% white Qtz-rich laminae ≤1mm and 1-100 mm thick dark argillite beds. Laminae and bedding are locally crenulated. 5-10% lt grey siltstone beds 2-10 mm thick with recrystallized Qtz and 10-15% FG graphitic material. Py occurs as disseminated CG cubes up to 10 mm, generally rimmed by Qtz. Rare beds 1-2 cm thick enriched with Py concretions 1-2 mm in size (up to 30% Py in these beds). Py also occurs in a few bedding-parallel Qtz veins 1-5 mm thick, as irregular aggregates and cubes.			2-3					0	5.00	S1	58
											13.10	S1	52
											20.10	S1	42
											20.10	S2	02
											49.82	S1	53
		S1 is a bedding parallel mineral foliation best defined in the coarser horizons of siltstone. In the argillite, some graphitic planes are along S1, but dominant graphite orientation is at strong angle to S1, along S2, which is axial planar to crenulation of S1. Micro-shears and fractures are also developed along S2.									49.82	S2	03
		< 9.28 - 13.66 > dominantly grey siltstone to dirty sandstone (greywacke) in 75-100 cm beds and 25% black argillite in 20-200 cm beds.											
		< 23.70 - 29.65 > fault zone defined by black graphitic gouge and minor lt grey blocky siltstone fragments.											
		< 32.62 - 32.93 > competent argillite breccia with 40% argillite fragments 2-5 mm in size, in a white Qtz matrix. Lower 5 cm is foliated alonf S1, with 5% Py cubes up to 8 mm.											
		< 34.02 - 37.40 > fault zone with 15% black graphitic gouge and 85% blocky fragments of massive graphitic argillite.											
		< 50.57 - 50.86 > lt green, Qtz-rich sandstone with 15% chlorite.											
		< 55.20 – 56.15 > laminated argillite and siltstone. 60% black argillite beds 2-10 mm interbedded with 40% lt grey siltstone beds 1-20 mm thick.											
56.15	75.38	**Interbedded Siltstone and Argillite**	none										
		50% Black carbonaceous argillite (as above) generally in metric beds. 40% Grey siltstone in metric beds containing minor graphitic material. Local beds up to 50 cm thick of laminated argillite and siltstone with interbedded 1-5 mm laminae. 10% CG massive to weakly foliated sandstone beds 3-40 cm thick. The 40 cm bed appears to be fining downhole.			1-2					0	62.90	S1	83

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		Py occurs as disseminated cubes 3-10 mm (up to 20 mm) in the argillite and rarely in coarser beds. S1 surfaces are micaceous (muscovite).											
		< 69.48 – 75.38 > Shear zone defined by seven 10-15 cm thick gouge zones in black argillite. Gouge zone contain up to 15% pervasive Qtz veining and some preserved graphitic shear planes.									72.26	shear plane	37
75.38	94.55	**Sandstone**											
		Lt grey to grey sandstone (85%) to siltstone (10%) with minor CG quartzite (5%) (recrystallized sds). Some beds appear to be fining downhole. Sandstone is weakly foliated with muscovite along S1 and minor late Bt (post-S1). ~40% of unit is brecciated (syn-sedimentary? tectonic?) as lens-shaped fragments of sandstone 0.5-4 cm long often flattened along S1. Silty matrix between fragments contains muscovite which wraps around the fragments (S1 is post-brecciation). Smooth edges and relationship with foliation suggest syn-sedimentary deformation and later flattening.	Sericite	3	≤1								
		< 73.38 – 79.71 > Section with seven gouge zones 1-16 cm thick in siltstone with no notable Qtz-veining nor consistent shear orientation. Between gouge zones are competent lt grey to grey sandstone and siltstone.											
94.55	100.63	**Laminated Siltstone**											
		Lt grey to grey laminated Qtz-rich siltstone with 70% grey beds 1-20 mm thick interbedded with 30% white to lt grey laminae 1-3 mm thick. Although very siliceous, core can be scratched easily with a knife due to sericite alteration. Lots of small shear zones within the unit, as a dozen greenish (Chl-rich) 2-10 cm thick gouge zones and unconsolidated breccia. S2 locally observed as microveins displacing S0-S1.	Sericite	10	0-1					0	97.30	S1	88
											97.30	S2	26
100.63	107.48	**Mixed Siltstone and Sandstone**											
		70% grey siltstone as massive beds up to 30 cm thick. 30% massive white sandstone as irregular fragments and lenses 2-20 mm thick, suggesting soft-sediment deformation in most of the unit. Undisturbed thin beds very locally. Silty portions contain Ms.	Sericite	5									
107.48	115.43	**Sandstone**											
		White to lt grey sandstone, some siltstone and rare CG sandstone. Some horizons of brecciated sds in grey silty matrix. Sds fragments are sub-rounded, lens-shaped. A few Bt porphyroblasts ≤1mm, in sds. Ms along S1. First appearance of Po, disseminated in sds. Po, occurring locally, forms	Ms	5	1-2	1				0-2	111.65	S1	64

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		small aggregates elongated along S1. Py occurs as cubes up to 8 mm in size, not spatially associated with Po. Alteration: ~5% Ms along S1; silicification as 5-50 mm thick of fine (massive?) Qtz that doesn't appear to be detrital. These zones are spatially associated with occurrences of Po. Crenulation lineation on Ms-defined S1 planes, but no S2 visible.											
115.43	117.85	**Carbonaceous Argillite**											
		Massive bed with 5-10% irregularly folded Qtz-veins ≤2mm thick. Most veins along S1 but a few are cross-cutting. Most are folded with S1?. Py occurs as MG-CG in Qtz-veins or as disseminated aggregates (lenses) folded with S1. Lower 30 cm of unit contains 30% sandy material complexly mixed and reworked within the argillite (soft-sediment deformation?).	none		2-3					0			
117.85	124.84	**Silicified Sandstone**											
		Lt grey to grey Qtz-rich FG clastics, with a smooth massive appearance? Much of the Qtz appears to be secondary rather than detrital, with a pale yellowish hue due to muscovite alteration. The unit locally displays an overprinted brecciated appearance. Py occurs as disseminated large cubes 2-10 mm in size, which is uncommon in clean sandstone so far, supporting the secondary (hydrothermal) nature of the Qtz. The unit is less siliceous downward as lower 1 m contains 30% black argillaceous material in thin bands defining S1.	Ms	5	2					0			
		< 118.20 – 118.43 > traces of disseminated Grt (Sph?) within irregular Py aggregates.	Qtz								118.23	shear plane	46
124.84	125.02	**Carbonaceous Argillite**											
		Black graphitic argillite. Py in Qtz-rich lenses along S1.			2					0	124.82	S1	65
125.02	127.26	**Brittle Fault Zone**											
		90% unconsolidated breccias (matrix dominated) with 35% fragments ≥0.5 cm. 10% broken up blocky fragments of lt grey, highly siliceous sandstone/siltstone. Upper 40 cm is crushed argillite, the rest is crushed sandstone/siltstone. Breccia locally greenish from minor chlorite.	Chl	2						0	126.00	shear plane	50
127.26	133.16	**Sandstone to Siltstone**											
		Grey to lt grey sandstone to siltstone, complexly inter-layered (inter-bedded?) with ~20% FG black graphitic argillite. Some flattening of			2	<1						S1	55-90

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		sandstone fragments as lenses along S1 in silty matrix. The siltstone is locally brittly brecciated with Qtz filling between fragments (competent breccia). S1 is wavy and quite variable. Po is observed in one location, disseminated within a 35 cm horizon with ~1% Po as irregular grain aggregates up to 2 mm along S1. Py occurs in thin veins parallel to S1.											
133.16	136.65	**Muscovite Schist**											
		70% siliceous Ms-schist likely derived from a greywacke. 20% laminated siltstone with minor black argillaceous material. 10% Qtz-veins 10-18 cm thick. Strong parting along wavy S1, defined by the alignment of Ms. Py occurs as disseminated cubes up to 5 mm and thin aggregates along S1. Po occurs as disseminated irregular grains 1-3 mm, in schist and locally in Qtz-veins, close to the contact with the schist.	Ms	20	1	0.5				1	135.50	S1	60
136.65	137.77	**Siltstone**											
		Massive grey siltstone, brecciated in centimetre-size sub-angular fragments within an irregular network of Qtz-veins (10%) and Py.	none		1					0			
137.77	141.53	**Siltstone to Argillite**											
		Massive grey Qtz-rich siltstone grading downward to a laminated dk grey argillite. 2 such graded beds, repeated at 140.62. Py occurs as disseminated cubes upp to 5 mm and aggregates along S1.			1-2					0		S1	50-90
141.53	142.02	**Siltstone**											
		Massive grey siltstone with an irregular network of Qtz-veins (10%) up to 3 cm thick. One red garnet crystal 4 mm across in Qtz-vein.	Qtz		tr.					0			
142.02	148.06	**Siltstone and Sandstone**											
		Lt grey, thinly-bedded Qtz-rich siltstone to sandstone, locally with up to 15% muscovite. Brecciated texture locally as sub-rounded sandstone fragments up to 3 cm in size in a dk grey FG silty matrix. Trace occurrences of garnet grains <1mm. 5% Qtz-veins up to 6 cm thick. Lower 1.5 m is brecciated by an irregular network of Qtz-veins. Py as disseminated cubes up to 6 mm. Some Po disseminated locally within discrete horizons a few centimeters thick.	Ms	5	<1	0-1							
148.06	177.53	**Alteration Zone in Sandstone**											
		White to lt grey sandstone with strong Ms-Qtz alteration. ~20% unaltered	Ms	10-35	1						161.80	S1	42

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		sandstone beds up to 5 cm thick are preserved. Muscovite is present throughout along S1 and locally concentrated in thin bands parallel to S1. 6 bands 2-10 cm thick occurring as unconsolidated pasty gouge with ~90% muscovite and 10% Qtz. Silicification is pervasive as intergranular replacement/filling within sandstone, occurring as white FG or smooth massive-looking Qtz with centimetre-size rounded patches of original grey sandstone, with gradual contacts. 1% actual cross-cutting Qtz-veins 1-15 cm thick, locally displaying void-filling texture (euhedral Qtz in voids).	Qtz	20							175.90	S1	24
		< 148.69 – 148.89 > Semi-massive pyrite-stringer. 30-35% MG Py in an interconnected network within clean Qtz-sandstone and recrystallized Qtz. No other sulfides observed.			30-35								
		< 148.89 – 149.98 > Highly-silicified sandstone, with 15% Ms and local Sph stringers (<<1%), and spatially-unassociated traces of disseminated Cpy.					tr.	<1					
		< 149.98 - 150.08 > as above but with rare Sph-Gal-Py veins (stringers) 1-2 mm thick, along S1.			2			1	0.5				
		< 167.50 – 167.90 > disseminated Cpy and Py in silicified sandstone, with no Ms.			1		1						
		< 167.90 – 168.97 > Massive sandstone with albitic alteration, as 1-3 mm white porphyroblastic crystals. No distinctive Ms or Qtz alteration. Traces of disseminated Cpy and Py.	Ab	5	tr.		tr.						
		< 168.97 – 169.47 > Silicified and brecciated sandstone. Small and local interconnected network of Py-Cpy.			4		1						
		< 170.10 – 170.14 > Small Cpy stringer within Ms-rich MG sandstone.					3						
		< 172.49 – 173.53 > thin, jagged Po stringers cross-cutting S1, within strongly Ms+Qtz-altered sandstone.				1				1			
177.53	187.99	**Sandstone**											
		Lt grey, clean sandstone with no more Ms-alteration. 15% Qtz-veins up to 5 cm thick ften as irregular network within brecciated sandstone. Py is disseminated as FG to MG.			1					0			
187.99	190.00	**Altered Sandstone**											
		Creamy-white Ms-Qtz alteration with a few remnant patches of grey	Ms	10	1								

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		sandstone. Alteration is pervasive with silicification concentrated almost entirely in top 40 cm and lower 20 cm (containing ~75% Qtz). Py as disseminated cubes up to 6 mm.											
190.00	191.94	**Sandstone**											
		Lt grey massive bed. Py in rare thin stringers.			tr.								
191.94	194.04	**Altered Sandstone**											
		Creamy-white alteration zone as above. Rare remnants of grey sandstone in white silicified rock with Ms-rich bands 1-20 cm thick. Disseminated Py is spatially associated with Ms-rich bands.	Ms Qtz	15	1					0			
194.04	195.23	**Sandstone**											
		Mostly clean grey sandstone.								0			
		< 194.04 – 194.67 > 10% Qtz-veining											
		< 194.67 – 194.90 > Ms-altered sds with 1% disseminated Po.	Ms	10		1				1			
		< 194.90 – 195.23 > Massive sandstone with disseminated Py as cubes up to 6 mm, and traces of Po.			2								
195.23	200.39	**Laminated Siltstone**											
		Grey to dk grey siltstone with 10-15% black carbonaceous argillic material in thin wavy bands defining S1. Strange texture locally, within rare coarse fragmental bands, where small rounded nodules occur, with a grey silty core <1mm rimmed by 1-2mm of Qtz. Traces of FG Po within rounded Qtz-nodules. Py as disseminated cubes 1-15 mm across.			1						197.00	S1	83
200.39	217.88	**Sandstone**											
		Massive MG beds 20-40 cm thick interbedded with 20% FG laminated beds 10-30 cm thick. Laminated beds contain lenses of sandstone flattened parallel to S1 in a foliated dk grey carbonaceous matrix. Py occurs as sisseminated cubes up to 6 mm in size. Traces of Po, disseminated locally within sandstone beds and in one 8 mm thick, cross-cutting Qtz-vein.			1					0.5	201.80	S1	75
		< 200.37 – 201.19 > 50% Qtz-veins, some Ms (5%) 0 and Py.	Ms	5									
		< 202.53 – 202.71 > Traces of Cpy in discontinuous stringers. Py as			2		0.5						

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		disseminated cubes and within thin cross-cutting veins.											
217.88	225.32	**Coarse Sandstone**											
		MG to very CG Qtz sandstone with grains up to 3 mm in size. 15% thin grey silty beds 2-10 mm thick. ~50% of unit is Ms-altered with up to 8% FG Ms to sericite. Uneven albitic alteration, strongest in the lower half of the section, where up to 10% post-S1 Ab “porphyroblasts” 1-3 mm in size give a dotted appearance to the rock. Some whitish horizons could reflect more pervasive intergranular albitization. Minor ankerite alteration in pale-orangish horizons. 3% Qtz-veins 1-10 cm thick throughout the unit. S1 is wavy and irregular.	Ms Ab Ank	0-5 0-10 0-5	<1								
225.32	227.23	**Altered Sandstone**											
		Bed of MG massive sandstone with pervasive Ab-Ank-Cr-alteration. No large Ab grains but light dull colour and smooth texture suggests intergranular albitization (sericite?). Orangish hue due to FG ankerite. Chromium-alteration occurs as Cr-green grains (Cr-mica?) <2mm.	Ab Ank Cr	10 5 1	0								
227.23	273.33	**Coarse Sandstone**											
		Thick sequence of coarse siliciclastics, unaltered, grey to lt grey. Thick massive metric beds with grains 1-2 mm in general, but up to 5 mm. Coarsest bed observed at the top of unit (uphole – stratigraphic base). Rare (1%) thin black argillite beds 5-20 mm thick. 2% Qtz-veins 1-10 cm thick in different orientation. 6-7 thin gouge bands 2-6 mm thick in upper 5.5 m.		tr.									
		< 250.16 – 273.33 > Minor Ab-alteration as 1-2 mm white “dots” in Qtz-sandstone.	Ab	2-5									
		< @ 248.59 > Cpy stringer 1-2 mm thick at ~85°.					tr.						
		< @ 249.34 > Po-Py(-Cpy)-stringer veins with 60% massive Qtz, 1-4 cm thick.			tr.	tr.	tr.						
		< @ 250.21 > Cpy-Py-Po discontinuous stringer 1-3 mm thick.			tr.	tr.	tr.						
		< @ 268.18 > small Gal grain ~ 1mm in size, in 10 cm Qtz-vein.							tr.				
		< 264.26 – 264.96 > Strong Ab-Ank-Cr alteration. Minor Cr-rich mica locally along S1.	Ab Ank Cr	25 5 2									

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
273.33	310.50	**Siltstone to Sandstone**											
		~75% siltstone, 20% sandstone, 5% Qtz-veins. Grey siltstone is laminated to thinly-bedded with 5-30% lt grey silty to sandy lenses flattened along S1. Lenses are 1-15 mm thick with a 3:1 to 10:1 aspect ratio. Siltstone contains ~5% black graphitic material. Sandstone occurs in lt grey massive beds 10-110 cm thick. Qtz-veins are 1-20 cm thick, locally displaying void-filling texture. In FG rock, the foliation wraps around bends in the veins suggesting that at least some are pre-S1. Generally unaltered. Minor Ab-alteration locally, down to 288.25 m. Py occurs as 2-22 mm cubes in siltstone and as disseminated FG in sandstone (with traces of Po).			1						285.00 305.75	S1 S0	85 86
		< 298.18 – 292.75 > Sheared, broken-up section with a few gouge zones ~5 cm thick within carbonaceous siltstone.										shear plane	25-45
		< 292.75 – 300.38 > sandstone-dominated section displaying a brecciated texture with 10-15% pervasive Qtz-veining, locally as network of veins.											
		< 300.38 – 302.33 > pervasive carbonate-alteration in sandstone, as FG lt orange intergranular ankerite.	Ank	5									
		< @ 307.01 > first appearance of Po in this unit; at the base of a 25 cm Qtz-vain containing minor Py.											
		< 307.53 – 307.55 > Qtz-vein with 8 mm by 1-2 mm aggregate of MG galena next to a larger aggregate of Py, + few disseminated grains 1-2 mm.											
310.50	354.35	**Sandstone to Siltstone**											
		Similar to above unit, but dominant sandstone. 65-70% Sandstone, 25-30% siltstone, 5% Qtz-veins. Massive sandstone beds up to 1.4 m thick. Massive to laminated siltstone (locally carbonaceous argillite) in beds up to 60 cm thick. S1 is wavy (openly folded).				<1							
		< 334.03 – 335.10 > Fault zone. 40% carbonaceous gouge and 60% consolidated breccia with pervasive silicification.											
		<337.50 – 337.96 > 5% ankerite alteration as fine intergranular grains in thin S1-parallel bands. @337.75: Small discontinuous Po-stringer with traces of Cpy within the stringer and as disseminated FG within 1 cm on each side of Po.	Ank	5		<1	tr.						
		<338.46 – 338.57 > Disseminated Po in Ank-Ser-altered zone with traces of Cr-mica.	Ms-Ank	10	<1	1							

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		< 335.10 – 344.45 > consolidated breccia with lens-shaped sandstone in dk grey silt.											
354.35	376.95	**Coarse Sandstone**											
		Lt grey CG sandstone beds start occurring in this unit, with Qtz-grains and rare black siltstone clasts up to 6 mm in size, locally. Up to 5% white feldspar clasts in some beds. ≤5% dk grey to black siltstone/argillite beds <5 cm thick. ~2% Qtz-veins 2-40 cm thick locally containing minor Py. Overall very little Py as FG disseminated cubes.			0-1					0			
		< 357.68 – 357.96 > Lt coloured altered bed with Ms-Ank-Cr alteration. Cr-mica 1-3 mm in size. Po+Py disseminated as FG.	Ms-Ank-Cr	3									
		< 365.85 – 367.03 > Shear zone with minor gouge and blocky core fragments.											
		< 367.64 – 368.22 > Lt coloured sericitic alteration in sandstone, no sulfides.	Ms-Ank	10									
376.95	380.46	**Fault Zone**											
		Unconsolidated carbonaceous gouge and breccia with 10% massive Qtz-veins in sub-angular fragments within the breccia. 10% blocky core fragments of graphitic siltstone/argillite. Py as large cubes in gouge.			1					0			
380.46	392.60	**Sandstone to Siltstone**											
		~75% grey sandstone in 2-50 cm beds inter-bedded with 23% siltstone and minor argillite, often containing up to 25% lens-shaped clasts (?) of sandstone. 2% Qtz-veins 2-4 cm thick. Py as disseminated cubes up to 10 mm.			<1								
392.60	395.07	**Altered Sandstone**											
		Discontinuous alteration with 3% Ms, 2% Ank, up to 1% Cr-mica (up to 3% over 30 cm), 2% Ab?, 5% Qtz-veins up to 10 cm.	Ms Ank Cr	3 2 1	<1								
395.07	395.43	**Sandstone**											
		Massive Qtz-sandstone.											

Grid Name: Frank Creek
Location: 200 m North of D road, 150 m SE of road 8400
Collar Grid Co-ordinates: 61+00N / 24+00W
Collar UTM Co-ordinates: 609491 / 5846002
Logged By: J. Laberge

Collar Azimuth: 090°
Collar Dip: -70°
Start Date: 11-26-2005
Finish Date: 11-30-2005
Drill Contractor: Hardrock Diamond Drilling Ltd.

Drill Hole Summary:

This hole tests a IP chargeability-high anomaly in upper 250 m, underlain (with overlap) by a DC resistivity-low flat anomaly at 200-250 m depth. It also targets a large MT resistivity-low anomaly starting at around 50 m, down to great depth. Target selected by L. Doyle and P. Anderson. Drill hole spotted by J. Laberge.

From (m)	To (m)	Interval		From (m)	To (m)	Interval	
13.78	38.75	25.0	Sandstone	257.14	263.14	6.0	Sandstone
38.75	45.78	7.0	Siltstone (deformed conglomerate?)	263.14	264.02	0.9	Fault Zone Breccia
45.78	97.42	51.6	Graded Siliciclastics	264.02	273.05	9.0	Mixed Clastics
97.42	119.20	21.8	Interbedded Conglomerate and Argillite	273.05	295.41	22.4	Conglomerate and Coarse Sandstone
119.20	133.00	13.8	Carbonaceous Argillite	295.41	308.44	13.0	Greywacke to Polymictic Conglomerate
133.00	157.13	24.1	Coarse Sandstone	308.44	315.23	6.8	Sandstone and Sandstone Conglomerate
157.13	158.68	1.6	Altered Sandstone	315.23	316.05	0.8	Greywacke Conglomerate
158.68	163.27	4.6	Siltstone	316.05	329.15	13.1	Sandstone Conglomerate and Sandstone
163.27	166.79	3.5	Argillite	329.15	344.18	15.0	Sandstone and Sandstone Conglomerate
166.79	244.77	78.0	Sandstone with altered horizons	344.18	346.33	2.1	Conglomerate
244.77	253.08	8.3	Quartz-Conglomerate	346.33	413.72	67.4	Interbedded Sandstone, Mudstone and Conglomerate
253.08	257.14	4.1	Altered Coarse Sandstone				

Down Hole Tests:

depth	*azimuth*	*dip*
106 m	093	-76
200 m	091	-76
316 m	090	-78
414 m	091	-79

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
0.00	13.78	CASING											
13.78	38.75	**Sandstone**											
		MG to CG lt grey sandstone in beds 10 cm to more than 2 m thick. A few beds display fining-downhole grading. 2-3% muscovite, defining weak S1 fabric. Ms appears black on S1 planes (but scrathes to white flakes). Some sericite (1%) from minor feldspar alteration. ~1% dk grey to black FG material in a few 2-10 mm thick beds. ~2% Qtz-veins 0.5-5 cm thick, some along S1 and deformed with it, some cross-cutting S1. Traces of FG disseminated Py.	Ser	1	<1					0	15.25	S1	72
										30.20	S1	63	
38.75	45.78	**Siltstone (deformed conglomerate?)**											
		Grey to dk grey, laminated to thinly bedded siltstone, with ~15% sandstone in massive 2-15 cm thick beds. Good S1 foliation defined by muscovite, parallel to bedding. S2 is expressed by a set of microfractures, slightly displacing S1. 1% Qtz-veins. The laminated structure could be compositional layering due to intense ductile deformation/flattening along S1. This interpretation comes from observation from the downhole unit, were conglomerate beds contain lt coloured sandstone in dk grey FG matrix, which, if deformed, could have the appearance of this laminanated unit. Supporting this is the observed flattening of detrital quartz grains in sandy beds. Up to 2% Po in some laminated horizons, as FG disseminated masses, slightly elongated along S1. Some FG Py remobilized along small S2 microfractures.	Ms	5	<1	1-2				0-2	40.25	S1	62
											40.25	S2	1-4
45.78	97.42	**Graded Siliciclastics**											
		Sandstone-dominated sequence of thick-bedded graded clastics. Graded beds are generally 1.5 to 3 m thick, although thickest bed observed is 3.8 m thick, and locally some beds a few cm-thick occur. All beds are fining downhole (upside-down), grading from lt grey conglomerate at the base (top in hole) to lt grey sandstone, grey siltstone and a thin argillaceous top. The thickest beds have a lot of conglomerate at their base, while thinnest beds have a silty base. In thick beds, monogenic conglomerate to very coarse (>2 mm) qtz-sandstone represent 65% of the beds, with 20% sandstone (<2 mm grains), 10% siltstone and 5% argillite. Counted ~40 graded beds in the unit. ≤1% Qtz-veins 0.5-3 cm thick, generally cross-cutting.			<1					0	93.36	S1	74

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
97.42	119.20	**Interbedded Conglomerate and Argillite**											
		No clear graded structure as above. Inter-bedded metric conglomerate and black carboneous argillite beds (conglomerate beds are generally slightly thicker). The change from conglomerate to argillite is generally abrupt, with interfingering within a few cm. Gradual increase of the proportion of argillite beds downhole. Along with its decreasing proportion downhole, the thickness of conglomerate beds also decreases downhole. Gravel conglomerate (minor pebble-size clasts locally) contain sub-rounded black argillaceous clasts and white MG Qtz+Fsp fragments. No large Qtz grains as in unit above. The matrix is generally quite dark and carbonaceous.			<1					0	117.83	S0	53
		Py as large disseminated cubes ≤12 mm, mostly in argillaceous beds.											
119.20	133.00	**Carbonaceous Argillite**											
		Massive to locally laminated with white <1mm thick Qtz-veins as (pseudo-beds) along and folded with S1. S1 has variable orientation due to folding. Some small Qtz-veins <3mm cross-cutting S1.			1						127.50	S1	80
		Py as MG disseminated cubes generally ~1 mm in size, in lens-shaped aggregates.											
		< 129.86 - 133.00 > 40% gouge and 60% blocky core fragments of black graphitic argillite.											
133.00	157.13	**Coarse Sandstone**											
		Lt grey CG sandstone (1-2 mm Qtz grains) with minor Qtz conglomerate (Qtz grains and quartzite clasts ≤8 mm) in metric beds. A few graded beds fining downhole to FG sandstone- dk grey siltstone. Some muscovite along S1 in sandy portion. Rare cm-size bands where Ms-concentration is higher, with up to 15% Ms locally. ~4% Qtz-veins ≤10 cm thick, along S1, which wraps around them.		3	<1						153.30	S0	67
		Py as irregular-shaped disseminated aggregates.											
157.13	158.68	**Altered Sandstone**											
		CG sandstone with quartz grains up to 2 mm, displaying strong Ms-alteration, locally up to 30%, and minor Cr-mica alteration. Stronger alteration in lower half.	Ms-Cr										

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		< @ 158.14 > Sph-Gal-Po-stringer within relatively unaltered sandstone, from less than 1 mm to 1 cm thick. Py occurs as cubes up to 2 mm disseminated (not connected) within the stringer vein.			10			3	2				
		< 158.20 – 158.47 > Sandstone with Ms and Cr-mica alteration. Cr-mica along S1 with Ms.	Ms Cr-mica	5 2									
		< 158.47 – 158.68 > Strong Ms-alteration. Rare discontinuous Py-veins up to 3 mm thick, cross-cutting S1.	Ms	25									
158.68	163.27	**Siltstone**											
		Siltstone inter-bedded with ~15% lt grey sandstone beds 5-10 cm thick. Siltstone is Ms-rich, thin-bedded, with 1-5 mm white Qtz-rich laminae between darker beds up to 3 cm thick.	Ms	20							160.50	S1	88
163.27	166.79	**Argillite**									160.50	S2	31
		70% black carbonaceous argillite with inter-bedded sandstone (20%) and siltstone (10%) in 3-30 cm beds, locally discontinuous and lenticular. Many siltstone to sandstone beds contain Ms.	Ms	1	<1								
166.79	244.77	**Sandstone with altered horizons**											
		This unit is composed of 50% lt grey sandstone in massive to graded beds ≤1 m thick, with little alteration. It is interlayered with decimetric to metric altered horizons. These are generally layered, with 1-10 mm thick lt coloured Qtz-rich bands alternating with 1-50 mm thick grey Ms-rich bands in which Ms is aligned along S2, at a strong angle to S1. ~2% Qtz-veins ≤3 cm thick, most along S1, some cross-cutting.	Ms		1	<1					188.25	S1	86
		< 167.30 – 172.87 > 20% Qtz-veins in a network within strongly altered sandstone.	Ms±Ank	10	1	tr.					188.25	S2	23
		< 193.75 – 196.20 > Ms-Qtz-Ab alteration, 5% creamy-white lenticular fragments of albitized sandstone (pseudo-porphyritic appearance). Lower 20 cm is completely replaced by Qtz.	Ms	15		1					204.50	S1	78
		< 196.20 – 196.40 > White “quartzite”, secondary massive Qtz replacement?	Qtz								234.40	S1	67
		< 196.40 – 196.50 > Ms-Qtz alteration, Chl at contact with upper Qtz-band. Small Po-stringer with disseminated Py cubes.	Ms	15	5	10					240.60	S1	73

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		< 196.50 – 196.64 > Semi-massive sulphides: Po-Py-stringer as network between sand grains. Upper 1 cm is all Po the rest is Py-dominated with minor Cpy. Locally Cpy is rimmed by Po, rimmed again by Py.			30	20	1				240.60	S2	15
		< 196.64 – 196.76 > Sandstone with Ms-rich bands 2-5 mm thick. Thin stringer of Py-Sph-Gal (traces of Po-Cpy) in Qtz-vein up to 3 cm thick.	Ms		1	tr.	tr.	1	tr.				
		< 196.76 – 197.48 > Ms-Qtz-Ab alterater conglomerate with 20% with albitized sandstone clasts as lenses flattened along S1, in a Ms-rich matrix.	Ms-Ab										
		< @ 207.24 > Small aggregate of Cpy (1% over 1 cm).					1						
		< 213.29 – 214.50 > Strongly altered horizon with Cr-mica and traces of disseminated Po.	Ms-Cr	5		tr.							
		< 220.41 – 220.53 > Altered horizon with a small Cpy-stringer (with minor Po), and a few disseminated Cpy grains elongated along S1.	Ms	5		tr.	1						
		< 229.38 – 229.60 > Ms+Cr-mica alteration with traces of FG disseminated Py-Po-Cpy.	Ms-Cr	5	<1	tr.	tr.						
		< @ 233.65 > Traces of Cpy in contact with Po which forms a 3 by 1 mm aggregate within a 1 cm Qtz –nodule.	Ms										
		< @ 237.92 > Small Cpy aggregate 4 by 1 mm, within Ms-rich sandstone with minor Ank-alteration. Traces of FG disseminated Cpy within 10 cm around the aggregate.	Ms-Ank										
244.77	253.08	**Quartz-Conglomerate**											
		85% conglomerate in metric beds, composed of 2-5 mm Qtz-grains in recrystallized Qtz matrix. Minor Ms and Bt in matrix. 12% dk grey siliceous siltstone in 2-30 cm thick beds. 3% Qtz-veins 1-6 cm thick, locally rimmed by Chl.	Ms	1		tr.							
253.08	257.14	**Altered Coarse Sandstone**											
		Lt grey Ms-altered sandstone with Qtz grains ≤2 mm. One 18 cm thick conglomerate bed with lt grey lens-shaped sandstone clasts up to 5 cm in dark silty matrix. 2% Qtz-veins 1-3 cm thick. Ma-alteration is intergranular, defining weak S1, and increases downhole to ~10%.	Ms	8		tr.					256.35	S1	67

From	**To**	**Description**	**Alteration**		**Mineralization (%)**					**Mag**	**Structure**		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		< 256.62 – 256.88 > Po is a 1-4 mm thick stringer and disseminated as thin FG aggregates up to 1 cm long along S1. Traces of FG Cpy in contact with Po in some aggregates. ~10 cm thick sulphide-free band in the middle of this interval.				1	tr.						
		< 256.88 – 257.14 > CG quartzite with minor Ms.											
257.14	263.14	**Sandstone**											
		Lt grey massive MG sandstone? Very homogeneous bed with a few thin Ms-rich bands 1-2mm thick, locally containing minor Py. Late brittle deformation expressed locally as 2-10 cm unconsolidated and consolidated breccias with angular fragments ≤2 cm in grey matrix. Very Qtz-rich overall, some of the Qtz might be secondary.	Qtz		<1								
263.14	264.02	**Fault Zone Breccia**											
		Tectonic breccia generally unconsolidated, locally consolidated, with sub-angular fragments of CG sandstone and QTz-veins 2-40 mm long, in a black graphitic matrix.											
264.02	273.05	**Mixed Clastics**											
		Heterogeneous unit with 50% grey siltstone in cm-size beds, 20% sandstone in 1-30 cm beds, and 30% black carbonaceous argillite in 1-10 cm beds. The proportion and thickness of argillite beds increases downhole. Siltstone is well foliated with black micaceous planes (Ms+graphite?). 4% Qtz-veins up to 12 cm thick, folded with S1.	Ms?		<1						267.30	S1	60
273.05	295.41	**Conglomerate and Coarse Sandstone**											
		Heterogeneius unit with: 30% conglomerate in 20-80 cm beds, 40% sandstone in 10-100 cm beds, 20% siltstone in 10-100 cm laminated beds, 10% black argillite in thin ≤2 cm beds often within siltstone. Matrix-supported conglomerate is composed of 50-80% lens-shaped sandstone clasts up to 10 cm, flattened along S1, in a dark grey to black foliated matrix. Lt grey sandstone is MG to CG (≤2 mm grains), Qtz-rich and locally quite Ms-rich (10% Ms); Cr-mica very locally within a 10 cm horizon. Siltstone is FG, dk grey, micaceous, laminated with thin black carbonaceous argillite.			<< 1						274.80 294.25 294.25	S1 S1 S2	62 67 9
295.41	308.44	**Greywacke to Polymictic Conglomerate**											

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		Grey wacke with Qtz-grains ≤1.5 mm, white feldspar grains ≤1 mm, white Qtz-rich sandstone clasts up to 1 cm long, black argillite clasts a few mm long, in a foliated graphitic matrix. 10% dk grey siltstone in mm- to cm-thick beds (up to 6 cm), often dismembered as lenses. Different than above due to variety of clasts, mixed FG material with CG material (unsorted).Grey wacke with Qtz-grains ≤1.5 mm, white feldspar grains ≤1 mm, white Qtz-rich sandstone clasts up to 1 cm long, black argillite clasts a few mm long, in a foliated graphitic matrix. The proportion of FG matrix material increases downhole. 10% dk grey siltstone in mm- to cm-thick beds (up to 6 cm), often dismembered as lenses. Different than above due to variety of clasts, mixed FG material with CG material (unsorted). Py occurs as disseminated cubes up to 1 cm. Grey wacke with Qtz-grains ≤1.5 mm, white feldspar grains ≤1 mm, white Qtz-rich sandstone clasts up to 1 cm long, black argillite clasts a few mm long, in a foliated graphitic matrix. The proportion of FG matrix material increases downhole. 10% dk grey siltstone in mm- to cm-thick beds (up to 6 cm), often dismembered as lenses. Different than above due to variety of clasts, mixed FG material with CG material (unsorted). Py occurs as disseminated cubes up to 1 cm.	.		<1						300.32	S1	74
308.44	315.23	**Sandstone and Sandstone Conglomerate**											
		Inter-bedded lt grey sandstone (75%) in 10-60 cm beds, and sandstone conglomerate (25%) in 3-15 cm beds. Clasts in conglomerate are of lt grey sandstone in a dk silty matrix (30-40% clasts ≤1 by 6 cm). Clasts are more or less deformed depending on bed (up to 9:1 aspect ratio).											
315.23	316.05	**Greywacke Conglomerate**											
		Greywacke as 2nd unit above but with 30% cm-size black argillite clasts, often flattened along S1.									315.23	S1	68
316.05	329.15	**Sandstone Conglomerate and Sandstone**											
		Similar to 2nd unit above but 62% conglomerate, 35% sandstone and 3% Qtz-veins up to 14 cm thick.			<1						322.30	S1	71
329.15	344.18	**Sandstone and Sandstone Conglomerate**											

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		Unit similar to that above by strongly ductilely deformed and altered. 35% conglomerate with lt grey sandstone clasts in dark graphitic matrix, with inter-bedded lt grey sandstone beds. Gradually more sandstone downhole. Strong deformation is expressed as intense flattening of clasts, having an aspect ratio of more than 20:1 locally, as the conglomerate takes a pseudo-laminated structure. 30% od sandstone beds are altered with 5% Ser with minor Cr-mica + Ank (1-2%), very locally. 2% Qtz-veins up to 10 cm thick, folded with S1.	Ser-Cr-Ank								332.15	S1	69
344.18	346.33	**Conglomerate**											
		Matrix-supported conglomerate with 35% lt grey sandstone-quartzite clasts up to 3 cm thick, generally flattened along S1, with a 4:1 to 12:1 aspect ratio. FG black matrix containing FG dark muscovite (+graphite). Py in cubes up to 8 mm.			<1								
346.33	413.72	**Interbedded Sandstone, Mudstone and Conglomerate**											
		50% sandstone, 40% conglomerate, 5% mudstone, 5 % Qtz-veins. Sandstone in massive 5-30 cm bds often altered with 5% pervasive sericite, and thin Ms-wisps along S1. Conglomerate, in beds up to 50 cm, contains 30-40% cm-size lt grey sandstone clasts generally flattened along S1. Dark grey FG matrix rich in dark Ms+graphite. Mudstone is that forming the conglomerate's matrix, with the absence of clasts. Some micaceous-graphitic surfaces along S1 and some defining a weak S2. 5% Qtz-veins 1-20 cm thick. Some veins contains up to 5% CG white Ab crystal.	Ser	2	<1	tr					347.00	S1	78
		Albite-alteration (leucoxene?) throughout, occurring as late lt coloured to almost colourless porphyroblasts, locally sericitized in part. Clearly a late feature as the crystals are undeformed and grew on top of S1 surfaces. Ab? Grains are typically 1-2 mm in size and range in concentration from 1-8%.	Ab	5							347.00	S2	20
		Traces of Po disseminated locally in sandstone.									360.00	S1	77
											367.85	S1	77
											380.10	S1	77
											395.40	S1	75
											410.50	S1	77

Grid Name: Frank Creek
Location: Road 8400, 460 m NE of D-road turnout
Collar Grid Co-ordinates: 61+00N / 27+25W
Collar UTM Co-ordinates: 608956 / 5846044
Logged By: J. Laberge

Collar Azimuth: N/A
Collar Dip: -90°
Start Date: 12-01-2005
Finish Date: 12-07-2005
Drill Contractor: Hardrock Diamond Drilling Ltd.

Drill Hole Summary:

This hole tests a shallow IP chargeability-high anomaly from 50-175 m depth, underlain (with overlap) by a DC resistivity-low anomaly from 150 to 350 m depth. It also targets a large MT resistivity-low anomaly starting at around 50 m, increasing to great depth. Target selected by L. Doyle and P. Anderson. Drill hole spotted by J. Laberge.

Drilling issues: overall very slow drilling, bit was changed a few times (3 or 4), significant reaming had to be done each time after pulling the rods because of caving within the hole.

From (m)	To (m)	Interval		From (m)	To (m)	Interval	
17.38	53.35	36.0	Siltstone and Fine-grained Sandstone	178.40	188.80	10.4	Sandstone
53.35	60.22	6.9	Quartz-veins in Siltstone	188.80	202.85	14.1	Mixed Clastics
60.22	83.93	23.7	Siltstone and Sandstone	202.85	219.30	16.5	Graded Siliciclastics
83.93	106.26	22.3	Interbedded Sandstone, Siltstone and Argillite	219.30	228.31	9.0	Altered Siltstone
106.26	108.26	2.0	Fault Zone?	228.31	237.84	9.5	Siltstone to Argillite
108.26	114.00	5.7	Greywacke	237.84	242.99	5.2	Coarse Quartz-Sandstone
114.00	117.60	3.6	Carbonaceous Argillite	242.99	245.00	2.0	Altered Siltstone and Sandstone
117.60	120.50	2.9	Greywacke	245.00	247.45	2.4	Sandstone to Siltstone
120.50	137.80	17.3	Carbonaceous Argillite	247.45	296.94	49.5	Alteration Zone in Sandstone/Siltstone
137.80	139.61	1.8	Greywacke	296.94	307.35	10.4	Felsite?
139.61	144.65	5.0	Carbonaceous Argillite	307.35	328.35	21.0	Alteration Zone in Sandstone/Siltstone
144.65	147.75	3.1	Greywacke	328.35	372.51	44.2	Mixed Clastics
147.75	153.89	6.1	Carbonaceous Argillite	372.51	393.20	20.7	Weakly Carbonaceous Mixed Clastics
153.89	176.85	23.0	Fine-grained Sandstone	393.20	401.52	8.3	Sandstone
176.85	178.40	1.6	Laminated Siltstone				

Down Hole Tests:

depth	*azimuth*	*dip*
390 m	090	-85

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
0.00	17.38	CASING											
17.38	53.35	**Siltstone and Fine-grained Sandstone**											
		Lt grey to dk grey Ms-rich siltstone in decimetre- to metre-thick beds, interbedded with 25% FG to MG sandstone in beds up to 35 cm thick. Siltstone occurs in massive sericite-rich FG lt grey beds and 50% is thinly-bedded with alternating dark- and light-grey beds ≤1 cm thick, often folded and slightly displaced by micro-fractures (micro-faults) along S2. Some weak mineral (Ms) foliation also along S2. S2 micro-fractures are locally filled with Qtz. Lt grey thin silty beds are locally dismembered as fragments within dk grey siltstone. Sandstone occurs in massive beds with Qtz-grains ≤1 mm, with minor Ms. 5% Qtz-veins. Rare Py as disseminated cubes up to 1 cm.			tr.						24.25 45.25 49.30	S0 S2 S0	40 0-3 50
53.35	60.22	**Quartz-veins in Siltstone**											
		55% Pervasive Qtz-veining with qrey to white massive Qtz in veins up to 10 cm thick, within Ms-rich dk grey siltstone and lt grey sandstone, as above. Minor Chl locally at the contact between Qtz-veins and siltstone.			<1	tr.					59.20	S1	54
60.22	83.93	**Siltstone and Sandstone**											
		Similar to 2nd unit above. Lt grey to dk grey Ms-rich siltstone (up to 15% Ms), and 35% lt grey sandstone in 20-40 cm thick massive beds. 5% qrey to white Qtz-veins up to 10 cm thick.									62.60	S0	53
		< 76.79 – 77.80 > Altered sandstone. 30% Ms in bands along S1. 10% Qtz-veins along and deformed with S1, often as dismembered fragments. Minor ankerite-alteration (1-2%).	Ms-Ank	30							78.80	S1	54
		< 81.50 – 83.93 > Altered horizon with 50% massive Qtz in veins up to 6 cm thick, along and cross-cutting S1; hosted by Ms-rich siltstone with minor Chl at contact with Qtz-veins. 1% Py as aggregates in or bordering Qtz-veins. Traces of Po within a Qtz-vein @ 82.96.	Ms-Chl	30	1	tr.							
83.93	106.26	**Interbedded Sandstone, Siltstone and Argillite**											
		65% Lt grey to grey sandstone in beds 10 cm to 2 m thick. 10% lt grey to dk grey siltstone in 2-15 cm beds. 25% black carbonaceous argillite in beds 2 cm to 1 m thick. Beds thicken downhole as argillite proportion increases. Black argillite beds are generally laminated with 10% grey silty laminae 1-20 mm thick. Py occurs as cubes up to 10 mm in argillite and as small			1						85.90 102.50	S0 S0	67 67

From (m)	To (m)	Description	Alteration Type	Alteration %	Py	Po	Cpy	Sph	Gal	Mag 1-5	Structure Depth	Structure Type	Structure Angle
		disseminated aggregates in sandstone. ~2% Qtz-veins up to 3 cm thick, main set parallel to S1 but some cross-cutting it. First appearance of graphite in this hole.											
106.26	108.26	**Fault Zone?**											
		75% dk grey gouge and 25% blocky core fragments of Qtz-veins and black argillite with significant Qtz-veining.											
108.26	114.00	**Greywacke**											
		Unsorted, rather coarse Qtz-rich sediment, with stretched small polygenetic clasts in a FG Qtz+Feldspar graphitic matrix. 3% black argillite clasts strongly flattened along S1 (6:1 to 10:1 aspect ratio) up to a few cm long. 5% white sandstone/quartzite clasts 2-10 mm in length. A few rare black argillite beds 2-5 cm thick are present within the unit. Py occurs as disseminated grains generally ≤1mm and locally as aggregates with Qtz along S1.			3-4								
114.00	117.60	**Carbonaceous Argillite**											
		Very graphitic FG black argillite. Core is quite broken up, locally gougy. Blocky fragments remaining contain 5% Qtz-veins.			1								
117.60	120.50	**Greywacke**											
		Dominated by white to lt grey MG Qtz and feldspars with 10-20% wavy graphitic flakes, defining the foliation. 1% 1-4 mm thick Qtz ± Cal-veins cross-cutting S1. 30 cm broken-up gougy horizon. 2% Py as mm-size FG aggregates, along S1.			2						119.45	S1	45
120.50	137.80	**Carbonaceous Argillite**											
		Black FG graphitic argillite. Core is broken-up in blocky fragments and a few gouge zones up to 80 cm thick. Poor recovery overall. Preserved fragments display a poorly laminated structure with 15% lighter coloured beds containing small white Qtz-crystals (concretions?) within 1-5 mm laminae. Some cross-cutting Qtz-veins locally. Minor Py cubes with Qtz-pressure shadows, along S1.			<1								
137.80	139.61	**Greywacke**											

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		Lt grey, Ms-rich, unsorted sediment. No graphite, unlike other greywacke above, instead Ms forms the micaceous matrix along with FG Qtz. Polygenetic clasts of black argillite and white sandstone, strongly stretched, generally <2mm thick and up to 1 cm in length. 3% black argillite clasts; 15% white sandstone (?) clasts, otherwise MG to FG Qtz, feldspars and Ms. Py is disseminated as FG aggregates.			2						139.50	S1	72
139.61	144.65	**Carbonaceous Argillite** Massive black graphitic argillite. 5% thin Qtz veins generally <1mm thick, as pseudo-beds along S0-S1, but some up to 5 mm thick cross-cutting S1. Most Py occurs as MG concretions rimmed by Qtz (diagenetic Py). One 50 cm thick gouge zone.			1								
144.65	147.75	**Greywacke** Grey unsorted sediment, locally with gravel-size clasts. 20% white sandstone clasts ≤1 cm long. A few argillite clasts up to a few cm n length are present locally, most in upper 60 cm. Clasts are strongly stretched along a lineation which also corresponds to the crenulation lineation on S1 Ms-planes. On the plane perpendicular to the stretching lineation, clasts appear almost undeformed. Matrix is composed of recrystallized Qtz, feldpars and Ms. Minor graphite flakes are present in the matrix in the upper part, but disappears lower in the unit. Py occurs as disseminated cubes up to 5 mm and as MG aggregates along S1.			2						147.00 147.00	S1 L2	79 87
147.75	153.89	**Carbonaceous Argillite** Massive to thinly-bedded black graphitic argillite, similar as above. 8% mm-size white laminae or Qtz-rich pseudo-beds. Some up to 7 mm thick enriched containing Py. Most Py is dessiminated as cubes <1mm and MG aggregates up to a few mm, rimmed by quartz. S0-S1 is locally crenulated. A few Qtz-veins up to 10 cm thick, cross-cutting S1.									150.00	S0	74
153.89	176.85	**Fine-grained Sandstone** Lt grey, massive, FG Qtz-sandstone to siliceous siltstone. Weak foliation defined by up to 5% dark Ms. 5% Qtz-veins 1-20 mm thick, generally cross-cutting S1. Secondary yellowish Ms in bands a few mm- to dm-thick, locally. Py occurs as aggregates in Qtz-veins and locally as disseminated cubes up to 3 mm in silty horizons.			1						157.00 164.30	S0 S1	67 45

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		< 163.27 – 164.85 > Ms-altered siltstone with 10% unaltered grey siltstone remaining as 3-10 mm thick lenses.	Ms	15							172.23	S1	58
		< 167.88 – 168.74 > Ms-altered siltstone as above.	Ms	20									
176.85	178.40	**Laminated Siltstone**											
		Dark grey siliceous siltstone with 20% FG carbonaceous material. 5% thin lt grey sandstone beds <1cm thick. Py as cubes up to 10 mm.			1								
178.40	188.80	**Sandstone**											
		Thick massive bed of homogeneous medium-grained lt grey Qtz-sandstone with Qtz-grains ≤1 mm. 2% Qtz-veins up to 5 cm thick.											
		< 184.67 – 185.98 > Altered horizon with muscovite, ankerite and Cr-mica, giving the sds a creamy colour and smooth texture. 5% Ms, 2% Ank, 1% Cr-mica.											
188.80	202.85	**Mixed Clastics**											
		Interbedded lt grey sandstone, lt grey coarse-grained Qtz-sandstone, lt grey siltstone and black carbonaceous argillite. Alternating beds are up to 70 cm thick with sharp contacts. 40% MG sandstone, 30% CG sandstone, 5% siltstone, 25% argillite. CG sandstone contains gravel-size Qtz-grains 2-4 mm. Massive beds except for argillite which is thinly-bedded with 2-20% lt-coloured silty laminae and the odd coarser lt grey bed ≤3 cm of sandstone.									194.15 196.35 200.40	S0 S0 S0	80 77 74
202.85	219.30	**Graded Siliciclastics**											
		0.45-1.60 m thick beds, most somewhat graded, fining downhole. MG lt grey sandstone is the dominant lithology. 15% very coarse Qtz-sandstone, 65% MG Qtz-sandstone, 10% siltstone, 5% argillite, 5% Qtz-veins. Beds have VCG to MG sandstone at their base (upper part), grading into FG sandstone to siltstone, and in some beds, to a few cm of dk grey to black argillite. Rare argillite clasts up to few cm lon locally occur within sandstone. Qtz-veins are 0.5-10 cm thick. 5% Ms in most litho. Minor FG disseminated Py.	Ms	5							210.85 212.40 218.85	S1 S0 S0	56 71 60
219.30	228.31	**Altered Siltstone**											
		Creamy-beige siltstone to FG sandstone with strong Ms (sericite?) alteration Laminated structure as 1-10 mm bands, grey to white with more or less Ms. 15% of the bands are of unaltered grey Qtz-sandstone, alternating with Ms-rich bands. Some thin mm-bands are almost entirely composed of Ms, with	Ms Ab	25 1	<1	<1					225.45	S1	76

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		minor recrystallized Qtz. Minor Py as irregular aggregates and vens a few mm in size, and minor locally disseminated Po.											
228.31	237.84	**Siltstone to Argillite**											
		Grey siltstone grading downhole to a dk to black carbonaceous argillite. Thinly-bedded to laminated. 10% Qtz-veins 1 mm – 12 cm thick, often networked, cross-cutting S0-S1. Py occurs as FG (<0.5mm) cubes disseminated in dk grey siltstone/argillite and as Py-rich beds 2-5 mm thick (with up to 60% Py) in the black argillite.			1						232.25	S0	79
237.84	242.99	**Coarse Quartz-Sandstone**											
		White coarse-grained QQtz-sandstone with 1-2 mm Qtz-grains (in contact), with intergranular recrystallized Qtz ±feldspars. Rare Sph-Cpy-Gal-stringer vein, locally. Core quite brittle, and is broken-up in mineralized area.									238.90	S0	73
		< @ 240.88 > small discontinuous stringer 1.5 cm long by 2 mm, with Sph-Cpy-Gal. After sampling, no stringer will be left in witness half.					tr.	tr.	tr.				
		< 242.80 – 242.99 > Cpy-Sph-Gal stringer. Crumbly core. Interconnected Cpy up to 5 mm thick, bordered by a mix of Sph + Gal. Stringer-vein up to 2 cm thick, locally.			1		3	3	1				
242.99	245.00	**Altered Siltstone and Sandstone**											
		Ms-altered massive sandstone and laminated siltstone with Ms-rich bands. 5% Qtz-veins up to a few cm thick. Rare small Cpy-Sph-Gal discontinuous stringer @ 243.08 and 243.26 (1 mm by 1 cm).	Ms	10			tr.	tr.	tr.				
		< 243.85 – 244.00 > Qtz-vein with disseminated Cpy ± Gal.					<1		tr.				
245.00	247.45	**Sandstone to Siltstone**											
		Lt grey sandstone locally grading into dk grey siltstone and minor black carbonaceous argillite (10%). Py occurs as cubes up to 8 mm.			1								
247.45	296.94	**Alteration Zone in Sandstone/Siltstone**											
		Very heterogeneous unit with variable intensity of Ms and/or Qtz-alteration, within horizons up to a few metres in thickness.											
		< 247.45 – 249.08 > White to yellowish altered sandstone, possibly albitized (FG Ab), with 15% yellowish Ms-veins to Ms-rich bands up to a few mm thick. Very rare traces of Cr-mica.											

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		< 249.08 – 253.36 > Grey MG to FG poorly sorted sandstone (a few grains >1mm), and 20% siltstone. Minor FG Ms in sandstone, and up to 15% Ms in silty horizons. 5% Qtz-veins, often dismembered, up to 3 cm thick, locally rimmed by Chl. Py is disseminated as FG in sandstone. @ 250.20: Sph-Gal-Cpy discontinuous aggregates near large Py-cubes up to 6 mm. Sph occurs in 3 aggregates up to 2 cm by 3 mm; Gal in one 6 by 4 mm aggregates not in contact with Sph. Minor Cpy within the Sph masses.	Ms	2	<1		tr.	tr.	tr.		249.70	S0	70
		< 253.36 – 255.75 > Lt grey sandstone with 10% Ms-rich yellowish bands 1-20 mm thick. Dissemintaed FG-MG Py and traces of Po.				tr.							
		< 255.75 – 257.42 > White albitized? and silicified? Sandstone with a few yellowish Ms-bands up to 3 mm thick.	Ab-Qtz Ms	 5	tr.	tr.							
		< 257.47 – 267.60 > Strong Ms-alteration with a few remaining grey lenses of unaltered sandstone up to a few cm thick. Sub-unit locally appears laminated to fragmental (lenses) which could be a secondary structure reflecting pathways for alteration fluid.	Ms	20		tr.							
		< 267.60 – 296.94 > Alternating horizons with more or less alteration. 70% Ms-rich sandstone to siltstone with disseminated Po in FG aggregates and veins. 15% lt grey apparently unaltered sandstone in beds generally 10 cm to 1 m thick. 10% white albitized? sandstone with minor thin Ms-bands, in 10-30 cm horizons. 5% Qtz-veins: grey Qtz-veins up to 10 cm thick, often dismembered; minor white Qtz-veins up to 2 cm thick, cross-cutting S1.	Ms	20	<1	1				1	269.10 281.75 293.15	S1 S1 S1	71 63 75
296.94	307.35	**Felsite?**											
		Previously unseen. Massive and homogeneous beigy-grey unit. Quite feldspar-rich compared to most clastics, but still very Qtz-rich (50% Qtz?). Generally MG quartz and white feldpars. Quartz does not look detrital (primary crystals? recrystallized?) and feldspars are often sericitized. Locally contains up to 5% poly-crystalline Qtz clasts up to 1 cm in length, displaying little deformation (if any), and a few rounded (embayed?) Qtz-crystals a few mm across. Some twinned plagioclase laths up to 5 mm long are locally observed. Unit is rather magnetic due to disseminated Po. A few 3-10 cm bands enriched with 2-5% Py. This unit could be a felsic crystal tuff or a very proximal sediment.	Ser		<1	1				2			
307.35	328.35	**Alteration Zone in Sandstone/Siltstone**											
		Heterogeneous altered horizons up to a few metres thick, within sandstone. 55% yellowish-grey Ms-altered sandstone with 10-30% Ms and 1% Po, making the sub-unit notably magnetic. Po occurs as disseminated FG	Ms Ms	20 5	<1	1				2			

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		aggregates and veins ≤1 mm thick. Note that even very thin Ms-rich bands often contains minor Po suggesting a strong correlation between occurrences of Ms and Po. Ms is irregularly distributed, often resulting in a banded appearance with varying Ms-content between bands. Very rare occurrences of Cr-mica, locally observed in Ms-rich horizons and associated with minor Ank-alteration.	Ab Qtz										
		25% lt grey unaltered Qtz-sandstone in thin to thick bands and beds up to 3 m thick, containing at least 5% yellowish Ms-rich veins 1-5 mm thick.											
		15% white albitized? sandstone in bands 2 cm – 1 m thick, with a few yellowish Ms-rich veins.											
		5% white Qtz-veins, up to 20 cm thick, some barren, but most containing a bit of Py as CG cubes or veins and a few chloritized silty fragments.											
		Very little Py, associated with Qtz-veins or as rare disseminated cubes in least the altered horizons. Traces of Sph and Cpy very locally in stringers.											
		< @ 312.77 > small discontinuous stringer of red Sph 1-2 mm thick. Traces of associated Po and Cpy within the stringer, present within a 3 cm band of dk grey siltstone with minor graphite.				tr.	tr.	1					
		< 314.62 – 314.67 > set of very thin (≤1 mm) discontinuous red Sph-stringers over a 4 cm interval, within mixed grey sandstone and Qtz-veins. Some FG Ms is locally associated with the stringer. Traces of Gal but not in direct contact with Sph, but as a discrete mm-size aggregate.						1	tr.				
		< @ 321.53 > small Po-Cpy discontinuous stringer ~1 mm thick. Po-dominated with Cpy over 1 cm along stringer. Po and Cpy are intergrown.				1	tr.						
		< 322.52 – 322.75 > unconsolidated breccia with 10% angular fragments ≤2 cm in Ms-rich gouge.											
328.35	372.51	**Mixed Clastics**											
		Heterogeneous unit with alternating dm- to m-size beds of sandstone, siltstone, argillite and minor conglomerate.			1						328.00 326.60	S0 S1	70 63
		65% lt grey sandstone, massive beds 10-200 cm thick, with Qtz-grains generally ≤1 mm. 5% of the sandstone is Ms-altered with 2-5% Ms and minor Cr-mica. Traces of Po, locally.											
		10% grey siltstone, generally laminated, in 5-50 cm beds.									357.50	S0	80
		15% black carbonaceous argillite in massive to laminated beds 2-100 cm thick.									361.00	S0	88
		5% Very coarse-grained Qtz-sandstone to conglomerate in rare 40-70 cm beds.									362.10	S1	73
		5% Qtz-veins 0.1-40 cm thick, often containing Py aggregates.											

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	1-5	Depth	Type	Angle
		Py occurs as disseminated FG to MG in sandstone and as large cubes up to 5 mm in argillite.									370.00	S0	77
		< 333.68 – 334.21 > Qtz-vein with 2% Py as FG aggregates, and associated traces of Gal. One very small Cpy grain was also observed with Py.			2		tr.		<1				
		< 349.80 – 352.07 > 70% white Qtz-veining, with individual veins up to 35 cm thick, hosted in micaceous siltstone, VCG sandstone and minor argillite. Cr-mica occurs within a 3 cm black argillite band (5% Cr-mica over 3 cm) with minor Ank.	Ms-Cr										
		< 370.70 – 371.00 > Yellowish Ms-altered sandstone with traces of Cr-mica locally.	Ms		2								
372.51	393.20	**Weakly Carbonaceous Mixed Clastics**											
		Heterogeneous unit of interbedded conglomerate, sandstone, siltstone and argillite.			<1						383.00	S1	86
		45% conglomerate with light grey sandstone lens-shaped clasts up to a few cm in length. Clasts are more or less deformed locally, with an aspect ratio ranging from 2:1 to 12:1. Matrix-supported to clasts-supported with 20-90% clasts in a black graphitic matrix. 10% greywacke, as Qtz-rich sand with minor graphitic matrix, in beds up to 1.4 m thick. 10% lt grey sandstone in 2-20 cm beds. 10% black carbonaceous argillite in massive beds 1-25 cm thick. 08% grey siltsone, locally laminated. 5% very coarse-grained Qtz-sandstone with grains up to 5 mm, in 10-30 cm beds. 2% Qtz-veins often lens-shaped, dismembered, up to 8 cm thick.									387.80	S1	75
		< 372.69 – 373.51 > Consolidated to poorly consolidated brecciawith angular fragments of sandstone, argillite and Qtz-veins, in dark carbonaceous matrix.											
		< 386.27 – 386.46 > Cr-mica + Ank alteration in a Qtz+feldspar-veined fragmental Qtz-rich horizon. Alteration occurs along a network of Cr-green micaceous veins up to 3 mm thick.	Cr-Ank										
393.20	401.52	**Sandstone**											
		Lt grey MG sandstone with minor very coarse-grained sandstone (Grains up to 4 mm) and 20% siltstone. Minor Ms-alteration locally, in dm-size bands. 3% Qtz-veins 2-20 mm thick.			<1								

Grid Name: Frank Creek
Location: 250 m west of FC-04-08; 260 m east of FC-04-13
Collar Grid Co-ordinates: 57+00N / 18+50W
Collar UTM Co-ordinates: 609971 / 5845643
Logged By: J. Laberge

Collar Azimuth: 090°
Collar Dip: -70°
Start Date: 12-07-2005
Finish Date: 12-06-2005
Drill Contractor: Hardrock Diamond Drilling Ltd.

Drill Hole Summary:

This hole is a follow-up to FC-04-13 and FC-04-08. It targets a shallow IP chargeability-high/ DC resistivity-low anomaly from 150-250 m depth. The anomaly is associated with low MT resistivity. Target selected by L. Doyle and P. Anderson. Drill hole spotted by J. Laberge.
Fault zone at 140 m depth which caused problems with the drilling: fault is associated with artesian water flow, which causes significant caving when rods are pulled out, and in turn makes the hole very tight (16 rods were damaged because of it).

From (m)	To (m)	Interval		From (m)	To (m)	Interval	
6.10	11.75	5.7	Altered Sandstone	168.74	182.38	13.6	Siltstone
11.75	72.00	60.3	Interbedded Coarse-grained Sandstone and Argillite	182.38	183.59	1.2	Carbonaceous Argillite
72.00	81.12	9.1	Carbonaceous Conglomerate	183.59	184.73	1.1	Silicified Pyritic Sandstone
81.12	98.05	16.9	Alteration and Stringer Zone in Siltstone	184.73	213.50	28.8	Stringer Zone in Siltstone
98.05	143.12	45.1	Carbonaceous Argillite	213.50	226.60	13.1	Sandstone
143.12	154.23	11.1	Alteration Zone with Few Stringers in Siltstone	226.60	239.00	12.4	Alteration Zone with Few Stringers in Siltstone
154.23	159.46	5.2	Silicified Pyritic Sandstone	239.00	311.80	72.8	Mixed Clastics, Ab-alteration
159.46	168.74	9.3	Carbonaceous Argillite	311.80	355.80	44.0	Interbedded Sandstone and Argillite

Down Hole Tests:

depth	*azimuth*	*dip*
100 m	086°	68.5°
355 m	073°	-67.5°

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	Mag	Depth	Type	Angle
0.00	6.09	CASING											
6.10	11.75	**Altered Sandstone**											
		Lt yellowish-grey MG-CG sandstone with pervasive muscovite-ankerite-alteration, with minor Cr-mica, locally. 5-15% Ms in S1-parallel veins or bands with unaltered grey sandstone lenses preserved in between, locally resulting in a pseudo-fragmental appearance. 3-5% Ank as disseminated pale orange crystals <<1 mm.	Ms	10	<1	tr.	tr.				11.28	S1	60
		Py occurs as aggregates or cubes generally 1-5 mm. Minor Po locally as FG aggregates 1-3 mm and rare discontinuous veins ≤1 mm thick. Very rare traces of FG Cpy occur in association within Po. The only small Cpy grains observed are @ 7.21, 11.42 and 11.46 m.	Ank	4									
11.75	72.00	**Interbedded Coarse-grained Sandstone and Argillite**											
		60% medium- to coarse-grained sandstone (grains 1-2 mm) as massive beds up to 3 m thick.			<1						14.30	S1	30
		15% very coarse-grained sandstone to conglomerate with polycrystalline quartzite clasts up to 5 mm in size, in a matrix of recrystallized quartz and minor graphite, occurring in 5-50 cm beds.									17.50	S1	48
											24.00	S1	50
											33.00	S1	72
		25% carbonaceous argillite in 5-200 cm thick beds; massive to laminated, generally containing 5-40% lt grey FG-MG sandstone as beds, laminae and fragments 0.2-30 cm thick. Some thinly bedded sandstone fragments in argillite suggest slump features (soft-sediment deformation?). Some thin argillite beds up to a few cm in thickness are complexly mixed within the VCG sandstone/conglomerate.									45.10	S1	65
											57.10	S1	60
		2% white Qtz-veins, up to 30 cm thick.											
		Only minor Py, occurring as disseminated mm-size aggregates in argillite and sandstone.											
		S0-S1 ranges from 25-75° from core axis, and is locally crenulated within laminated argillite, with S2 at a small angle to core axis (0-5°).											
		< 34.77 – 35.18 > Creamy-yellowish-grey Ms-altered sandstone, with minor Ank and Cr-mica.	Ms	10	tr.								
			Ank	1									
		< 42.58 – 42.83 > Ms-altered sandstone similar as above but without Ank.	Ms	7									
			Cr	1									
72.00	81.12	**Carbonaceous Conglomerate**											
		Heterogeneous unit dominated by conglomerate.			2						67.00	S1	60
		83% conglomerate with 50-75% sub-angular to sub-rounded clasts, generally 0.5-10 cm in size. Clasts are often flattened (lens-shaped), locally									72.00	S1	52
											73.77	S1	79

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	Mag	Depth	Type	Angle
		undeformed to 15:1 aspect ratio. They all appears to be of sedimentary origins, but of different colour and grain-size; FG to MG, grey to lt grey sandstone and siltstone. Matrix varies from FG carbonaceous argillite to MG grey sandstone/greywacke with minor graphite and Ms. 15% lt grey MG sandstone in rare beds up to 40 cm thick. Sandstone is not pure Qtz, almost a greywacke with minor graphite, massive to foliated. 2% grey Qtz-veins up to 8 cm thick. Py occurs as cubes 2-6 mm in size, disseminated, but concentrated locally within veins or beds, along some clasts' boundaries. Py is unaffected by deformation. S1 is irregular, open folded, ranging from 45°-90° to core-axis. < 73.55 – 73.77 > strange bed? Massive, siliceous, dark, FG, containing a few strange tabular to acicular white feldspar crystals 1-2 mm across by up to 4 cm in length. Contacts are somewhat gradual over a few mm with surrounding sediments, suggesting it is in fact sedimentary? < 80.07 – 80.31 > Strongly deformed greywacke ? (tectonite?). Band in which deformation is much more intense than surrounding rocks. Strongly foliated to tectonically laminated with Qtz grains and clasts completely flattened along S1.									80.20	S1	55
81.12	98.05	**Alteration and Stringer Zone in Siltstone**											
		Heterogeneous unit of Ms-altered sandstone and siltstone with localized Py-Po-Sph-Cpy-Gal-stringers, generally thin, but locally forming dm-size semi-massive bands.	Ms	15							88.00	S1	59
		< 81.12 – 83.43 > 20% strongly altered Ms-rich fragments within grey massive Qtz-veins. Remaining fragments are 1-2 cm thick, creamy yellowish-green, locally with speckles of black Chl. A few small discontinuous red Sph-stringers 1 mm thick, following S1 along Ms. Traces of Cpy, hosted by Qtz-veins. Some Py as large cubes up to 8 mm and thin stringers, not associated with other sulphides. Minor Po occurring as irregular mm-blebs, disseminated mostly close to Sph.	Ms	20	2	1	tr.	1			90.00	S1	40
		< 83.43 – 84.02 > Very Qtz-rich, strongly deformed sandstone (flattened Qtz-grains), with numerous Po, Po-Sph, Sph, Po-Py, Cpy-Py and Py-Sph-Po-Cpy stringers. Sph is red when discrete and dark brown when associated with Po-Py. Most common stringers are thin Po or Py stringers <1mm thick. Local multi-sulphides stringers up to 5 mm thick. Two Py-rich semi-massive lenses 1-1.5 cm by 3-5 cm (one contains 15% Sph).			1	2	<1	1			94.50	S1	60

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	Mag	Depth	Type	Angle
		< 84.02 – 84.19 > Semi-massive sulphides (25%) stringer in recrystallized Qtz? Po-Py-Cpy as grain-network. Mostly intergrown Py-Po. Cpy is concentrated in lower 4 cm as stringer locally intergrown with Po. Traces of dk Sph as discrete grains.			12	10	3	tr.					
		< 84.19 – 84.54 > A few thin Po-Cpy stringers in Qtz-sandstone, with minor Ms and black Chl, concentrated in thin bands <3mm. Stringers are only continuous over a few cm, and up to 5 mm thick.				2	2						
		< 84.54 – 84.82 > Semi-massive sulphides (20%) in recrystallized Qtz. Po-Py-Cpy, similar to 2 above. Intergrown Py-Po. Cpy concentrated locally as discrete branching grains or associated with Po or Py.			12	7	2						
		< 84.82 – 92.37 > Laminated altered sandstone with 1-5 mm bands with more or less Ms + Ab. Lots of stringers along S1, of Py, Po, Py-Po, Py-Po-Cpy, Py-Sph and very rare Py-Sph-Gal. Most stringers have a variable thickness from 1 to 5 mm, and continuous over a few mm to cm. Py-Po present throughout. Cpy only in trace amount in top 3 m. Sph more common in lower 4 m.	Ms	5	3	2	tr.	1	tr.				
		< 92.37 – 94.54 > Strong Ms-alteration in FG sandstone, with a few white albitized laminae. No apparent mineralization.	Ms	10									
		< 94.54 – 94.66 > A few Po-Py-Cpy stringers in altered sandstone.			1	1	1						
		< 94.66 – 95.47 > Stronly Ms-altered laminated siltstone with rare very thin (<1mm) stringers of FG Py, Po, Sph and one 2 mm thick Sph-Gal stringer.	Ms	20	<1	<1	<1	tr.	tr.				
		< 95.47 – 95.52 > Grey Qtz-vein containing significant amount of Cpy in irregular blebs up to 1 cm long. Sph± Cpy-stringers 1-4 mm thick on each side of the vein, within 2 cm of the contact, within Ms-altered sts.					5	tr.					
		< 95.52 – 96.17 > Ms-altered siltstone with a few 1-5 mm thick stringers of Sph-Py, Sph-Gal-Py, Gal-Sph and Sph-Po.	Ms	10	<1	<1		1	<1				
		< 96.17 – 98.05 > Ms-altered siltstone. No apparent mineralization. A few Py cubes up to 5 mm.	Ms	20									
98.05	143.12	**Carbonaceous Argillite**											
		Massive to laminated black siliceous and carbonaceous argillite with minor lt grey MG sandstone and conglomerate.			1						62.00	S1	63
		90% argillite, generally massive, with 1% disseminated Py cubes ≤1 mm. 1-3% thin white Qtz-veins along S1 (≤1mm thick). 5-10% of the argillite is laminated (10-50 cm beds) with alternating (50/50) black mud and grey silt in 0.5-4 mm laminae.									109.40	S1	75
											114.80	S1	58
											123.80	S1	76
											134.20	S1	46

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	Mag	Depth	Type	Angle
		5% lt grey MG sandstone in 5-35 cm beds and lenses; sharp contacts with argillite. 5% conglomerate set in black carbonaceous matrix, containing 30-50% grey to lt grey lens-shaped fragments of siltstone and sandstone, 0.5-3 cm long. Occurs in rare 12-35 cm thick beds with gradual transition into argillite. Very rare greywacke beds 1-3 cm thick. 1% grey Qtz-veins 1-8 cm thick locally containing minor CG white feldspars. A few gouge zones 4-15 cm thick within carbonaceous argillite. < 135.7-140.0? > Approximate location of a fault zone, which cannot be described properly because the core box was dropped at the drill site.											
143.12	154.23	**Alteration Zone with Few Stringers in Siltstone**											
		Lt creamy yellowish, Ms-rich siltstone containing a few sulphide-stringers. Up to 50% Ms locally, crumbly and talcy core. Stringers 1-6 mm (some up to 20 mm) thick are spread throughout the unit. They are of: Py, Py-Sph and rare Py-Sph-Gal. MG Py with branching FG Sph in Qtz-rich bands.	Ms	30	1			<1	tr.		144.30	S1	61
154.23	159.46	**Silicified Pyritic Sandstone**											
		Lt grey very siliceous sandstone?, with lots of recrystallized Qtz. No Ms. Very pyritic, concentrated in broad bands, locally up to 30% Py over 30 cm. Rare red Sph-stringers with or without Py. Traces of disseminated Cpy close to, but not in contact with, some Sph-stringers. Possible traces of Gal associated with Sph. Py occurs as CG cubes 1-4 mm without forming a connected network. Grey Qtz-veins in lower 80 cm, locally containing large Cpy grains and Py.	Qtz		8		<1	<1	tr.		159.40	S1	60
159.46	168.74	**Carbonaceous Argillite**											
		Black argillite, massive to laminated, with 15% lt grey sandstone in massive 15-30 cm beds. Py occurs as disseminated cubes up to 8 mm. One 5 mm Py-stringer in a sandy bed, with traces of Sph and Cpy.			1								
168.74	182.38	**Siltstone**											

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	Mag	Depth	Type	Angle
		Massive lt grey to grey siltstone. Minor massive lt grey sandstone beds 10-35 cm thick. Some Ms-alteration locally, most in the upper 4.5 m, where siltstone is lt creamy coloured, with 5-10% Ms. Py is relatively common, forming 1-8 mm cubes, often concentrated in cm-bands (discrete grains, not networked). Rare Sph± Cpy stringers 1-5 mm thick, occurring sporadically through the unit. Red Sph in stringer occurs as branching fine grains, usually associated with minor Py. Cpy observed once (1 grain) with Sph. Minor Po, very locally, generally not associated with other sulphides other than a single occurrence of one small Cpy-grain with Po.			2	tr.	tr.	tr.			175.80		55
		< 174.5 – 175.4 > unconsolidated Ms-rich band (40% Ms!), crumbly, with a few grey Qtz-veins 5-10 mm thick.											
182.38	183.59	**Carbonaceous Argillite**											
		Massive bed with gradual contacts with bounding grey siltstone. Py occurs as disseminated cubes 2-4 mm, often partly rimmed by Qtz (pressure shadows).			2								
183.59	184.73	**Silicified Pyritic Sandstone**											
		Lt grey sandstone with minor Ms and lots (20%?) of grey Qtz that looks secondary, massive. Py-rich, concentrated in dm-bands (locally 30% Py over 6 cm, 15% over 30 cm), as irregular mm-equant masses (up to 4 mm) rather than actual cubes. 5% grey Qtz-veins up to 4 cm thick within a 20 cm horizon. One vein contains a few Cpy grains, with some Py.	Ms Qtz	3	6		tr.				183.70	S1	65
184.73	213.50	**Stringer Zone in Siltstone**											
		70% Lt grey to grey siltstone, massive to laminated, in m-size beds. Variable alteration, from unaltered to strong Ms-alteration within metric bands. ~30% of the siltstone is Ms-altered.	Ms		2	tr.	tr.	tr.	tr.		188.60	S1	65
		30% lt grey MG sandstone, unaltered, in massive beds 10-80 cm thick.									193.10	S1	64
		Local horizons with a few Py, Cpy and/or Sph stringers.									196.70	S1	59
		< 193.06 – 195.37 > Ms-altered laminated siltstone with alternating white and grey laminae 1-4 mm thick. White laminae could be albitized? S0 is convoluted, open folded.	Ms	10							205.97	S1	63
		< 195.37 – 197.00 > Unaltered MG sandstone (grains ≤1mm) with traces of Sph within rare stringer veins a few mm across, occurring as red branching Sph grains between Qtz-grains, associated with Py.									212.10	S1	63

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	Mag	Depth	Type	Angle
		< 198.50 – 199.94 > Unaltered, lt grey, MG sandstone containing a dozen Py-rich stringers 3-30 mm thick. Some stringers contain Sph and/or Cpy, which are intergrown with Py. Sph represents up to 15% of sulphides within individual stringers. Two discontinuous, 3-4 mm wide Cpy-stringers (no Py).			3		<1	<1					
		< @ 202.26 > 1-1.5 cm thick Cpy-stringer (75% Cpy – 25% Qtz).					x						
		< @ 203.06 > 2-3 mm thick, discontinuous Cpy-Py-stringer.			x		x						
		< @ 203.20 > 1 mm thick by 3 cm Cpy vein (lens).											
		< 205.97 – 206.17 > Zone with lots of secondary Qtz and Qtz-veining, with a few Py-stringer and traces of disseminated Cpy.			4		<1						
		< @ 207.91 > Py-Gal-Sph-stringer (with traces of Cpy), over 2-3 cm dominated by Qtz. The stringer consists of disseminated Py cubes 2-4 mm across and Gal cubes <1 mm in size, between Qtz-grains, bordered by a 5-6 mm band rich in red Sph.			x		x	x	x				
		< @ 208.05 > Py-rich, Py-Sph-stringer, up to 4 cm thick, next to (but not in contact with) a discontinuous 3 mm thick Cpy-stringer.			x		x	x					
		< @ 209.40 > Last observed Cpy in the unit, as discrete grain near a thin Py-stringer.											
213.50	226.60	**Sandstone**											
		Lt grey MG sandstone (grains ≤1mm), minor CG sandstone (grains 1-2 mm) and FG sandstone (<0.5 mm grains). In massive to graded beds 10-50 cm thick, fining downhole. Minor local Ms-rich bands 2-10 mm thick and Ms-altered sandstone over a few dm. Some intergranular, pervasive Ms-Ab-alteration, as FG Ms and Ab in matrix. 2% grey Qtz-veins up to 5 cm thick, generally rimmed by Ms-rich bands (and locally, traces of Cr-mica and Cpy - @222.70).	Ms Ab	3 3							221.00 226.70	S1 S1	59 65
226.60	239.00	**Alteration Zone with Few Stringers in Siltstone**											
		Intense Ms-Qtz-Ab-alteration (replacement) in siltstone, resulting in a creamy-grey colour. Mostly very altered with 15% weakly altered sandstone. Lots of secondary massive Qtz. Ab-alteration as FG to MG disseminated Ab, intergranular in sandstone and as disseminated FG and within thin wisps in siltstone. Selective replacement in bands results in an irregular banded structure with 1-20 mm bands with subdued (gradual) contacts. 3% grey	Ms Ab Qtz	10	1	2	tr.	tr.			235.60	S1	60

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	Mag	Depth	Type	Angle
		Qtz-veins, mmost in lower 7 m, up to 6 cm thick, generally with strong Ms-Ab-alteration in their vicinity, and locally rimmed by FG to CG Ab-crystals. Quite a bit of Po in thin discontinuous veins (stringers) along S1. Other stringers include Po-Cpy (3), Sph-Py (3), Cpy-Py (1) and Cp-Sph-Gal-Po (1). Stringers are generally 2-3 mm thick, discontinuous. The odd disseminated grain of Cpy or Sph is rarely observed in Qtz-rich horizons.											
239.00	311.80	**Mixed Clastics, Ab-alteration**											
		Sandstone-dominated unit with interbedded Qtz-pebble-conglomerate and minor siltstone and argillite. 65% lt grey MG to CG sandstone in 10-200 cm massive beds. 25% grey VCG sandstone to Qtz-pebble-conglomerate in 10-60 cm beds, mainly composed of monocrystalline Qtz pebbles up to 6 mm, but also minor polycrystalline Qtz clasts and rare dark FG clasts. 4% massive to laminated grey siltstone containing minor graphite. 4% black carbonaceous argillite in sparse 1-5 cm massive beds. One 2.5 m thick argillite bed, thinly-bedded, containing thin grey siltstone beds. No distinct grading. A few white Qtz-veins 1-15 cm thick. S2 foliation developed locally in FG beds, defined by dark Ms+graphite. Ab-alteration occurs as intergranular pervasive FG-MG Ab, and as disseminated Ab-porphyroblasts 1-3 mm in size, of late growth: syn-S2 as S2 wraps weakly around around porphyroblasts. Ab-alteration decreases downhole. Rare, very local occurrences of Cr-mica. Rare, sparse, thin, discontinuous stringers of Po-Cpy (@242.75, 262.46), Sph (@244.05) and Py-Sph-Gal-Cpy (@244.75, 267.30).	Ab Ms	8 1	<1	<1					246.50 246.50 255.10 256.60 267.20 287.00 302.40 311.80	S1 S2 S1 S1 S1 S0 S1 S0	73 35 70 60 68 73 62 68
		< 277.19 – 277.69 > Ms-Ab-altered sandstone. FG pervasive Ms and Ab and disseminated Ab-porphyroblasts. Traces of Cr-mica.	Ms Ab	5 15									
		< 278.39 – 281.38 > Carbonaceous argillite, laminated with 5% mm-thick grey siliceous bands. 5% Ab-porphyroblasts 2-4 mm.	Ab										
311.80	355.80	**Interbedded Sandstone and Argillite**											
		Sandstone-dominated with some interbedded carbonaceous argillite. 80% massive lt-grey MG sandstone in beds 2-100 cm thick. 18% black, massive, carbonaceous argillite, generally in thin beds 1-10 cm thick, but locally much thicker, up to 3.6 m. In thicker beds, argillite contains a few discontinuous, convoluted, grey, siliceous laminae. 2% Qtz-veins. Py disseminated as large cubes up to 1.5 cm. Weak but pervasive Ab-alteration, as porphyroblasts 1-4 mm, finer-grained in sandstone, and coarser in argillite. Traces of Po in a few discontinuous veins in sandstone.	Ab	2	1-2	tr.		tr.			319.00 327.00 334.50 341.20 347.70 355.10	S0 S1 S1 S1 S0 S1	68 60 73 80 80 64
		< 321.91 – 327.28 > Intense Qtz-veining in sandstone. 40% grey Qtz-veins 0.5-5 cm thick. Often lens-shaped.	Qtz										

From	To	Description	Alteration		Mineralization (%)					Mag	Structure		
(m)	(m)		Type	%	Py	Po	Cpy	Sph	Gal	Mag	Depth	Type	Angle
		< 327.28 – 330.90 > Thick carbonaceous argillite bed.											
		< 343.23 – 344.44 > Ms-Qtz-Ab-alteration band with numerous grey Qtz-veins 1-5 mm thick. A few discontinuous Sph-stringers, ≤1mm thick, in lower 32 cm. Minor disseminated Po.	Ms-Ab					1					
		< 347.35 – 347.40 > a few thin Sph-Py(-Gal)-stringers within unaltered sandstone.		3				5	<1				

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Drill Log Summary/Alteration and Mineralization

From	To	Description	Alteration (in %)					Mineralization (in %)					
(m)	(m)		Si	Fe-ca	Ser	Chl	Cr-m	py	po	cpy	sph	ga	mag
0	6.10	Casing						tr	tr				
6.10	11.59	FG Sandstone to Siltstone, minor black Argillite						tr					
11.59	14.60	Argillite interbedded with lesser Siltstone						tr					
14.60	24.50	Sandstone with silty to argillaceous interbeds						tr					
24.50	35.08	Tectonized and partially faulted black Argillite> Siltstone	5			3		tr					
35.08	45.75	Arkosic to Quartzose Sandstone	7			5							
45.75	47.89	Fault zone/Altered Sandstone>>Siltstone			3			2					
47.89	57.89	Arkosic Sandstone>>graphitic Argillite+Siltstone											
57.89	75.03	Fault/Shear Zone/Arkosic Sandstone				5		0.5					
75.03	83.57	Sheared Arkosic Sandstone											
83.57	99.43	Graphitic Argillite>>silty interbeds sph+gal stringers/dissem						0.3			tr	tr	
99.43	103.70	Faulted and altered Sandstone, minor fault breccia	15	10		5		tr					
103.70	113.70	Altered Sandstone Breccia/Sed? (Tectonic?) qtz veins with py/po+tr cpy						tr	tr	tr			
113.70	125.05	Sandstone	5	1									
125.05	141.22	Weakly altered Siltstone interbedded w/lesser Argillite dissem py/po+trace cpy (125.05-132.98 & 137.25-137.56)		8	5			tr	tr	tr			
141.22	163.05	Qtz-Ser Schist (after Siltstone/Argillite?)		5	25			0.5	0.5				
163.05	171.32	Moderately altered calcareous Siltstone>Argillite		3	15			1					
171.32	176.90	Quartz-dolomite breccia/Siltstone>>Sandstone		10				3	2				
176.90	184.53	Altered Argillite>siltstone	10	5	5			5	3				
184.53	193.68	Strongly altered & mineralized fg Sandstone to Siltstone		15	8			5		tr	tr	tr	
193.68	197.03	Ankerite-Silica Altered Siltstone Breccia 188.36 sph stringer 188.95 to 8 cm semi-massive band of py-sph-cpy-gal	15	20			tr						
197.03	201.00	Altered Siltstone	10	10									
201.00	208.30	Deformed Sandstone to Siltstone, partly faulted	3	2		5							
208.30	215.34	Sandstone>>black Argillite	3	4				tr					
215.34	221.15	Sandstone+black Argillite	5	5				tr					
221.15	229.06	MG to CG Sandstgone >>graphitic Argillite		3		3		tr					
229.06	232.12	Qtz veining in Sanstone	20	3									
232.12	239.12	Sandstone with silty to argillaceous interbeds qtz vein w/py+cpy (<1% total)	5					0.5		0.1			
239.12	245.22	Fault Zone/Sandstone>>black Argillite (Siltstone)	5										
245.22	262.91	Sandstone>>Black Argillite	3	2									
262.91	272.37	Faulted Sandstone+Black Argillite, quartz veining 266.27 qtz vein w/py+cpy (2mm width); also cpy in fractures and dissem	15					tr	tr	tr			

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Drill Log Summary/Alteration and Mineralization

From	To	Description	Alteration (in %)					Mineralization (in %)					
(m)	(m)		Si	Fe-ca	Ser	Chl	Cr-m	py	po	cpy	sph	ga	mag
272.37	279.48	Weakly altered Sandstone/Sandstone Breccia		8		5		0.3					
279.48	284.87	Tectonized, partly faulted Sandstone+ Black Argillite/Flt Bx?	3	5				tr					
284.87	288.00	Sandstone											
288.00	298.29	Tectonized Sandstone>Graphitic Argillite	5	5			tr						
298.29	300.40	Ankerite Altered Zone/Tectonized Sandstone+Argillite		20			0.3						
300.40	329.40	Tectonized/strongly sheared Sandstone+Argillite, lesser flt bx(?)	2	3									
329.40	337.64	Tectonized/partly faulted Sandstone+Black Argillite	3	5				tr					
337.64	339.17	Fault zone/Graphitic Argillite>>Sandstone						tr					
339.17	374.10	Tectonized FG Sandstone+Argillite/Flt? (Sed?) bx	5	5		5	tr	tr					
374.10	377.80	Fault Zone/Altered fg Sandstone>Dark grey Argillite											
377.80	382.49	Tectonized+Altered Sandstone>Argillite		8			tr	tr					
382.49	387.96	Fault Zone/Altered fault bx? (SST>>Argillite)		10	10			tr					
387.96	391.01	Strongly altered Zone/bleached Fault Breccia?		20	5			tr					
391.01	394.37	Fault Zone/Fault Breccia		20	3			tr					
394.37	403.67	Tectonized and altered fg Sandstone>>Argillite	20	10									
403.67	409.31	Fault Zone/Altered Fault Breccia (fg Sandstone>>Argillite?)	15	15	10			tr					
409.31	414.00	Fault zone/Graphitic Argillite>>Sandstone	5			5		tr					
414.00	435.24	Tectonized fg Sandstone to Siltstone>>Argillite											
435.24	449.88	Deformed Sed/Tectonic Breccia?	5	5									
449.88	452.70	Silicified (qtz veined) FG Sandstone to Siltstone+Flt Bx?	20										
452.70	455.98	Tectonic/Flt bx (deformed Sandstone)											
455.98	460.86	Silicified MG Sandstone?/Quartzite		8									
460.86	474.89	Deformed Conglomerate (Sed breccia)/Tectonic Bx?		10				tr					
474.89	479.36	Strongly sheared FG Sandstone>>Black Argillite											
479.36	479.77	Fault Zone/Graphitic Argillite											
479.77	480.38	Altered FG Sandstone	10	20									
480.38	483.93	Quartz Vein											
483.93	487.09	FG Sandstone+Pebbly Conglomerate?/Tectonic Breccia		7				tr					
487.09	491.05	Quartz Veining in FG Sandstone>>Black Argillite	25					0.5					
491.05		EOH											

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From (m)	To (m)	Description
0.00	6.10	Casing
6.10	13.73	Deformed fg sandstone to siltstone>>argillite
13.73	16.47	Altered (ankerite>sericite) sandstone
16.47	29.28	Fg sandstone (+/-siltstone)>>graphitic argillite
29.28	66.49	Arkosic to quartzose sandstone, minor microconglomerate+silty interbeds
66.49	69.54	Ankerite altered fg sandstone to siltstone
69.54	73.81	Fg sandststone>>graphitic argillite, some faulting
73.81	81.49	Fault zone/argillite to siltstone
81.49	127.49	Fault zone/strongly altered (ankerite+sericite+py/po) sandstone>>siltstone
127.49	146.79	Altered sandstone/sandstone breccia with sulfide stringers (cpy+gal+sph)
146.79	150.39	Fault Zone/Altered sandstone
150.39	166.68	Sheared and altered pyritic sandstone/tectonic/sed(?) breccia
166.68	183.46	Sheared sandstone/tectonic(?) breccia with weak sulfides
183.46	195.81	Altered/deformed fg sandstone>>black argillite, minor breccia; wk sulfides
195.81	206.79	Tectonized sandstone to siltstone/tectonic (sed?) Breccia>>argillite
206.79	208.62	Fault Zone/altered siltstone>black argillite
208.62	231.80	Tectonized siltstone+tectonic(?) bx>>black argillite
231.80	231.17	Mg to cg sandstone
231.17	242.78	Deformed siltstone+argillite
242.78	250.71	Sandstone
250.71	254.98	Altered sandstone>>black argillite
254.98	264.59	Cg sandstone>>siltstone+argillite
264.59	267.70	Fault Zone/Argillized>>carbonaceous sandstone
267.70	279.08	Arkosic to quartz-rich sandstone
279.08	282.43	Sheared and quartz veined siltstone and argillite
282.43	290.00	Tectonized siltstone+argillite>>sandstone
290.00	294.80	Mixed sediments/sandstone>argillite & siltstone
294.80	296.68	Ankerite altered siltstone (fg sandstone)
296.68	316.13	Sandstone>siltstone+argillite, minor sed (tectonic?) breccia
316.13	316.90	Ankerite altered fg sandstone to siltstone
316.90	327.88	Tectonized/partially faulted siltstone>>black argillite
327.88	344.35	Fg sandstone>>black argillite
344.35	353.95	Tectonized siltstone+argillite>>sandstone
353.95	362.75	Fg sandstone>black argillie
362.75	364.48	Fault Zone (fg sandstone/siltstone)
364.48	375.61	Tectonized and quartz veined siltstone+argillite
375.61	389.79	Fault Zone/fault breccia (mg to cog sandstone, strong graphite)
389.79		EOH

FC-06-20

Drill Log Summary

From (m)	To (m)	Description
0.00	2.44	Casing
2.44	89.67	Graphitic Argillite
89.67	94.95	"Dirty" Sandstone (Greywacke)
94.95	96.38	Graphitic Argillite
96.38	107.36	"Dirty" Sandstone/minor graphitic Argillite
107.36	116.51	Cg to vcg "dirty" Sandstone
116.51	132.08	Fault Zone/Flt breccia (Sandstone>>graphitic Argillite)
132.08	136.20	Deformed and weakly altered Sandstone
136.20	140.50	Fault Zone/Sandstone>> graphitic Argillite
140.50	144.80	Weakly alered Sandstone>>graphitic Argillite interbeds
144.80	146.85	Fault/Graphitic Argillitge>>cg sandstone
146.85	165.31	Quartzose Sandstone/narrow fault zones
165.31	175.07	Fault Zone/fg Sandstone w/minor graphitic Argillite
175.07	178.12	Siltstone interbedded with black Argillite
178.12	181.48	Graphitic Argillite
181.48	186.05	Calcareous Siltstone>>graphitic Argillite
186.05	190.02	Thin bedded/laminated Black Argillite
190.02	192.90	Strongly altered Zone/Qtz-Ser Schist (siltstone/argillite?)
192.90	197.00	Moderately altered and brecciated Siltstone+Argillite
197.00	225.70	Strongly altered Zone/Qtz-Ser-Ank Schist
225.70	234.85	Argillaceous Limestone
234.85	235.70	Fault Zone/Argillite
235.70	236.38	Altered Zone/Ankerite-Silica altered Limestone Breccia
236.38		EOH

Drill-core Sampling

Hole ID	Sample No.	From (m)	To (m)	Interval (m)
FC-06-21	39194	10.37	12.20	1.83
FC-06-21	39195	14.34	15.86	1.52
FC-06-21	39196	31.11	32.64	1.53
FC-06-21	39197	32.64	33.55	0.91
FC-06-21	39198	33.55	34.01	0.46
FC-06-21	39199	34.01	37.06	3.05
FC-06-21	39200	37.06	39.50	2.44
FC-06-21	39201	39.50	40.57	1.07
FC-06-21	39202	40.57	43.62	3.05
FC-06-21	39203	43.62	45.75	2.13
FC-06-21	39204	45.75	46.67	0.92
FC-06-21	39205	46.67	48.50	1.83
FC-06-21	39206	48.50	51.55	3.05
FC-06-21	39207	51.55	54.60	3.05
FC-06-21	39208	54.60	57.95	3.35
FC-06-21	39209	57.95	60.09	2.14
FC-06-21	39210	60.09	61.00	0.91
FC-06-21	39211	61.00	63.75	2.75
FC-06-21	39212	63.75	66.80	3.05
FC-06-21	39213	66.80	68.93	2.13
FC-06-21	39214	74.42	76.25	1.83
FC-06-21	39215	76.25	78.08	1.83
FC-06-21	39216	78.08	79.00	0.92
FC-06-21	39217	79.00	79.91	0.91
FC-06-21	39218	79.91	82.96	3.05
FC-06-21	39219	82.96	86.01	3.05
FC-06-21	39220	86.01	88.45	2.44
FC-06-21	39221	88.45	91.50	3.05
FC-06-21	39222	105.84	107.36	1.52
FC-06-21	39223	107.36	108.58	1.22
FC-06-21	39224	108.58	111.63	3.05
FC-06-21	39225	157.53	158.30	0.77
FC-06-21	39226	173.24	173.85	0.61
FC-06-21	39227	173.85	175.99	2.14
FC-06-21	39228	175.99	176.14	0.15
FC-06-21	39229	176.14	176.29	0.15
FC-06-21	39230	176.29	176.60	0.31
FC-06-21	39231	176.60	179.04	2.44
FC-06-21	39232	179.04	181.02	1.98
FC-06-21	39233	181.02	181.78	0.76
FC-06-21	39234	181.78	183.31	1.53
FC-06-21	39235	183.31	185.75	2.44
FC-06-21	39236	185.75	187.88	2.13
FC-06-21	39237	187.88	190.32	2.44
FC-06-21	39238	190.32	191.08	0.76
FC-06-21	39239	191.08	193.98	2.90
FC-06-21	39240	193.98	195.35	1.37
FC-06-21	39241	195.35	198.25	2.90
FC-06-21	39242	198.25	201.30	3.05
FC-06-21	39243	201.30	203.28	1.98
FC-06-21	39244	203.28	205.88	2.60
FC-06-21	39245	205.88	207.40	1.52
FC-06-21	39246	207.40	210.45	3.05
FC-06-21	39247	210.45	213.35	2.90
FC-06-21	39248	213.35	216.55	3.20

Drill-core Sampling

Hole ID	Sample No.	From (m)	To (m)	Interval (m)
FC-06-21	39249	216.55	219.60	3.05
FC-06-21	39250	219.60	221.43	1.83
FC-06-21	39476	221.43	223.41	1.98
FC-06-21	39477	223.41	224.18	0.77
FC-06-21	39478	224.18	227.23	3.05
FC-06-21	39479	227.23	227.53	0.30
FC-06-21	39480	227.53	228.14	0.61
FC-06-21	39481	228.14	230.12	1.98
FC-06-21	39482	230.12	233.33	3.21
FC-06-21	39483	233.33	235.77	2.44
FC-06-21	39484	235.77	237.29	1.52
FC-06-21	39485	237.29	237.90	0.61
FC-06-21	39486	237.90	240.34	2.44
FC-06-21	39487	240.34	243.39	3.05
FC-06-21	39488	243.39	244.61	1.22
FC-06-21	39489	244.61	246.44	1.83
FC-06-21	39490	246.44	247.36	0.92
FC-06-21	39491	247.36	250.41	3.05
FC-06-21	39492	250.41	253.46	3.05
FC-06-21	39493	253.46	254.98	1.52
FC-06-21	39494	254.98	258.03	3.05
FC-06-21	39495	258.03	259.86	1.83
FC-06-21	39496	259.86	262.91	3.05
FC-06-21	39497	262.91	265.35	2.44
FC-06-21	39498	265.35	266.27	0.92
FC-06-21	39499	266.27	267.18	0.91
FC-06-21	39500	267.18	269.77	2.59
FC-06-21	39501	269.77	272.82	3.05
FC-06-21	39502	272.82	275.87	3.05
FC-06-21	39503	275.87	278.92	3.05
FC-06-21	39504	278.92	280.30	1.38
FC-06-21	39505	280.30	283.55	3.25
FC-06-21	39506	283.55	286.40	2.85
FC-06-21	39507	286.40	288.23	1.83
FC-06-21	39508	288.23	291.12	2.89
FC-06-21	39509	291.12	291.73	0.61
FC-06-21	39510	291.73	293.11	1.38
FC-06-21	39511	293.11	295.09	1.98
FC-06-21	39512	295.09	295.24	0.15
FC-06-21	39513	295.24	297.07	1.83
FC-06-21	39514	297.07	297.68	0.61
FC-06-21	39515	297.68	298.29	0.61
FC-06-21	39516	298.29	301.34	3.05
FC-06-21	39517	301.34	302.56	1.22
FC-06-21	39518	302.56	305.00	2.44
FC-06-21	39519	305.00	307.90	2.90
FC-06-21	39520	307.90	310.49	2.59
FC-06-21	39521	310.49	312.02	1.53
FC-06-21	39522	312.02	315.07	3.05
FC-06-21	39523	315.07	316.59	1.52
FC-06-21	39524	316.59	318.12	1.53
FC-06-21	39525	318.12	321.17	3.05
FC-06-21	39526	321.17	324.22	3.05
FC-06-21	39527	324.22	325.74	1.52
FC-06-21	39528	325.74	326.35	0.61
FC-06-21	39529	326.35	329.10	2.75

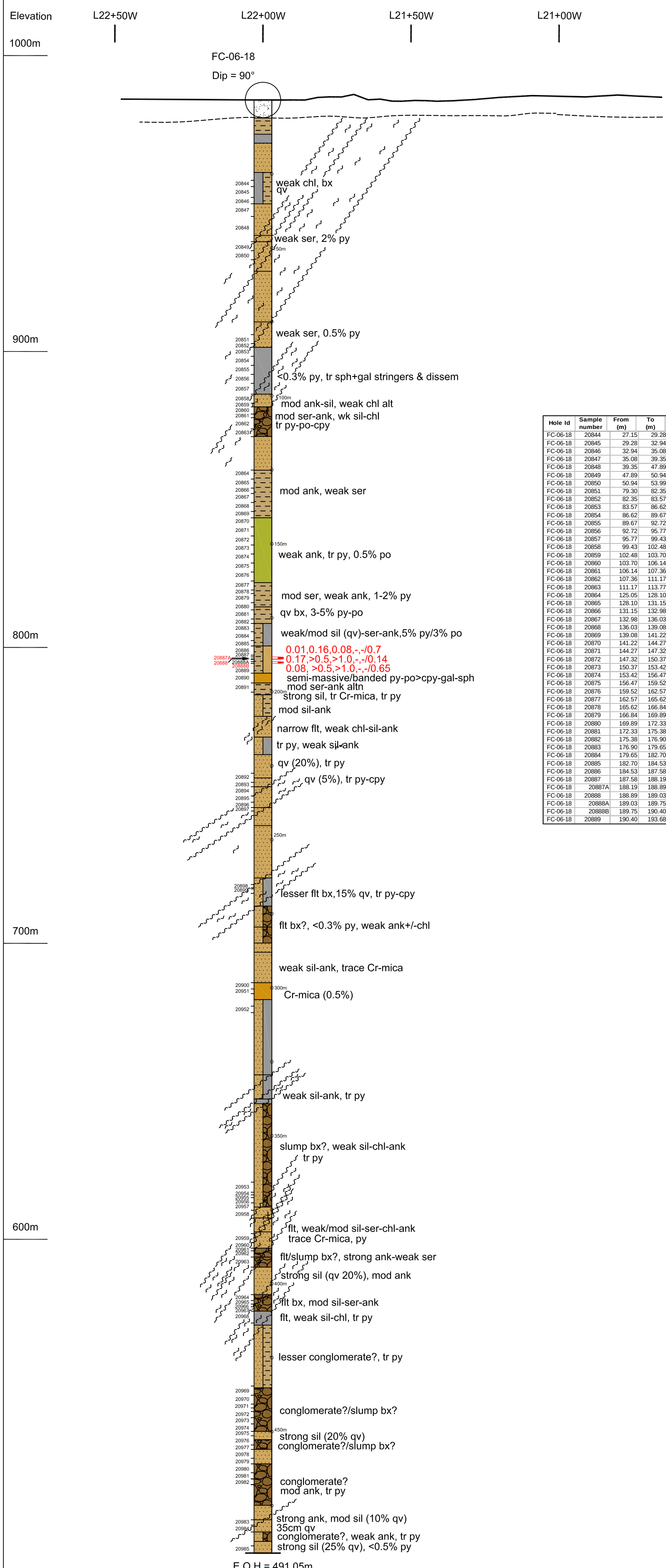
Drill-core Sampling

Hole ID	Sample No.	From (m)	To (m)	Interval (m)
FC-06-21	39530	329.10	332.45	3.35
FC-06-21	39531	332.45	334.28	1.83
FC-06-21	39532	334.28	337.33	3.05
FC-06-21	39533	337.33	340.38	3.05
FC-06-21	39534	340.38	341.60	1.22
FC-06-21	39535	341.60	343.74	2.14
FC-06-21	39536	343.74	346.71	2.97
FC-06-21	39537	346.71	349.84	3.13
FC-06-21	39538	349.84	352.89	3.05
FC-06-21	39539	352.89	355.94	3.05
FC-06-21	39540	355.94	357.16	1.22
FC-06-21	39541	357.16	359.90	2.74
FC-06-21	39542	359.90	362.95	3.05
FC-06-21	39543	362.95	364.78	1.83
FC-06-21	39544	364.78	367.83	3.05
FC-06-21	39545	367.83	370.12	2.29
FC-06-21	39546	371.49	374.24	2.75
FC-06-21	39547	374.24	377.29	3.05
FC-06-21	39548	393.60	395.13	1.53
FC-06-21	39549	395.13	397.42	2.29
FC-06-21	39550	397.42	398.18	0.76
FC-06-21	39551	398.18	399.55	1.37
FC-06-21	39552	399.55	402.30	2.75
FC-06-21	39553	402.30	405.35	3.05
FC-06-21	39554	405.35	407.79	2.44
FC-06-21	39555	407.79	408.70	0.91
FC-06-21	39556	429.75	432.80	3.05
FC-06-21	39557	432.80	435.85	3.05
FC-06-21	39558	435.85	437.68	1.83
FC-06-21	39559	437.68	439.20	1.52
FC-06-21	39560	439.20	441.03	1.83
FC-06-21	39561	441.03	442.25	1.22
FC-06-21	39562	442.25	443.47	1.22
FC-06-21	39563	443.47	445.30	1.83
FC-06-21	39564	445.30	448.25	2.95
FC-06-21	39565	448.25	449.27	1.02
FC-06-21	39566	449.27	451.10	1.83
FC-06-21	39567	451.10	453.23	2.13
FC-06-21	39568	453.23	454.25	1.02
FC-06-21	39569	454.25	457.50	3.25
FC-06-21	39570	457.50	460.25	2.75
FC-06-21	39571	460.25	463.60	3.35
FC-06-21	39572	463.60	464.67	1.07
FC-06-21	39573	485.56	488.61	3.05
FC-06-21	39574	488.61	491.36	2.75
FC-06-21	39575	491.36	493.75	2.39
FC-06-21	39576	493.95	495.63	1.68
FC-06-21	39577	495.63	497.15	1.52

FC-06-22

Drill Log Summary

From (m)	To (m)	Description
0.00	6.10	Casing
6.10	12.81	Sandstone and subordinate Siltstone
12.81	30.20	Interbedded Siltstone w/lesser Argillite and Sandstone
30.20	36.30	Sandstone
36.30	43.01	Siltstone and dark grey Argillite
43.01	52.92	Altered Siltstone
52.92	57.04	Massive to weakly foliated Sandstone
57.04	65.70	Sandstone
65.70	70.15	Fault Zone/Sandstone
70.15	72.29	Sandstone
72.29	74.12	Iron Carbonate (+Sericite?) altered Sandstone
74.12	75.18	Quartz veining in Sandstone
75.18	89.98	Sandstone + minor intercalations of graphitic Argillite
89.98	96.84	Sandstone with strong quartz veining
96.84	127.49	Coarse Sandstone and lesser Siltstone to Argillite
127.49	129.93	Ankerite altered Sandstone
129.93	159.52	Sandstone with subordinate Siltstone and Argillite
159.52	163.18	Quartz veins in Sandstone and Siltstone
163.18	181.17	Sandstone to Siltstone
181.17	194.90	Graphitic Fault Breccia/black Argillite and Sandstone
194.90	202.40	Sandstone
202.40	229.97	Altered Zone (Quartzose Sandstone)
229.97	238.82	Sandstone intercalated w/laminated Siltstone
238.82	241.56	Iron Carbonate-Sericite altered Siltstone
241.56	248.56	Fault Breccia/Sheared Siltstone
248.56	251.63	Weakly deformed Sandstone
251.63	262.30	Siltstone and lesser Argillite
262.30	271.45	Silicified and weakly mineralized Siltstone
271.45	281.82	Tectonized/sheared Sandstone
281.82	288.23	Fine grained Sandstone to Siltstone
288.23	293.11	Quartz veining in Sandstone
293.11	299.82	Ankerite-Sericite Altered Sandstone
299.82	306.22	Sheared Siltstone and lesser Quartz Breccia
306.22	308.66	Fault Zone/Sheared and altered Siltstone
308.66	322.39	Siltstone and Sandstone
322.39	326.05	Ankerite-sericite altered Siltstone to Sandstone
326.05	382.47	Sandstone, Siltstone and dark grey Argillite
382.47	404.43	Qtz-Muscovite schist/sheared siltstone?
404.43	411.45	Sheared (Tectonic) clastic Breccia (Sandstone?)
411.45	413.28	Qtz-Muscovite Schist
413.28	422.73	Tectonized Clastic Breccia (Sandstone?)
422.73		EOH



Hole Id	Sample number	From (m)	To (m)	Interval (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
FC-06-18	20844	27.15	29.28	2.13	85	80	94	1.5	18
FC-06-18	20845	29.28	32.94	3.66	35	23	60	0.6	< 2
FC-06-18	20846	32.94	35.08	2.14	47	17	94	0.4	< 2
FC-06-18	20847	35.08	39.35	4.27	19	16	54	0.4	< 2
FC-06-18	20848	39.35	47.89	8.54	29	23	100	0.3	< 2
FC-06-18	20849	47.89	50.94	3.05	35	26	102	0.6	< 2
FC-06-18	20850	50.94	53.99	3.05	24	22	79	0.4	5
FC-06-18	20851	79.30	82.35	3.05	14	75	189	0.8	8
FC-06-18	20852	82.35	83.57	1.22	14	21	83	0.7	< 2
FC-06-18	20853	83.57	86.62	3.05	32	32	270	0.7	< 2
FC-06-18	20854	86.62	89.67	3.05	33	28	179	0.7	< 2
FC-06-18	20855	89.67	92.72	3.05	47	24	186	0.5	4
FC-06-18	20856	92.72	95.77	3.05	41	30	176	0.5	9
FC-06-18	20857	95.77	99.43	3.66	44	33	204	0.7	14
FC-06-18	20858	99.43	102.48	3.05	40	28	101	0.3	< 2
FC-06-18	20859	102.48	103.70	1.22	20	23	65	0.8	< 2
FC-06-18	20860	103.70	106.14	2.44	13	9	25	0.4	< 2
FC-06-18	20861	106.14	107.36	1.22	11	31	71	< 0.3	< 2
FC-06-18	20862	107.36	111.17	3.81	27	21	75	0.4	10
FC-06-18	20863	111.17	113.77	2.60	62	20	95	< 0.3	< 2
FC-06-18	20864	125.05	128.10	3.05	25	14	66	< 0.3	< 2
FC-06-18	20865	128.10	131.15	3.05	45	19	66	< 0.3	< 2
FC-06-18	20866	131.15	132.98	1.83	24	31	86	0.4	< 2
FC-06-18	20867	132.98	136.03	3.05	32	26	86	< 0.3	< 2
FC-06-18	20868	136.03	139.08	3.05	29	33	82	0.3	< 2
FC-06-18	20869	139.08	141.22	2.14	26	26	76	< 0.3	< 2
FC-06-18	20870	141.22	144.27	3.05	35	37	183	< 0.3	2
FC-06-18	20871	144.27	147.32	3.05	28	21	54	0.3	< 2
FC-06-18	20872	147.32	150.37	3.05	30	32	64	0.4	< 2
FC-06-18	20873	150.37	153.42	3.05	22	25	71	0.4	< 2
FC-06-18	20874	153.42	156.47	3.05	25	19	75	0.4	< 2
FC-06-18	20875	156.47	159.52	3.05	27	27	66	< 0.3	< 2
FC-06-18	20876	159.52	162.57	3.05	27	23	65	0.3	< 2
FC-06-18	20877	162.57	165.62	3.05	18	29	86	< 0.3	< 2
FC-06-18	20878	165.62	166.84	1.22	21	21	40	< 0.3	< 2
FC-06-18	20879	166.84	169.89	3.05	15	29	36	< 0.3	3
FC-06-18	20880	169.89	172.33	2.44	19	22	39	< 0.3	< 2
FC-06-18	20881	172.33	175.38	3.05	28	24	29	< 0.3	< 2
FC-06-18	20882	175.38	176.90	1.52	10	23	16	< 0.3	4
FC-06-18	20883	176.90	179.65	2.75	22	30	33	< 0.3	< 2
FC-06-18	20884	179.65	182.70	3.05	56	39	96	0.9	8
FC-06-18	20885	182.70	184.53	1.83	40	82	115	0.5	< 2
FC-06-18	20886	184.53	187.58	3.05	34	23	96	0.6	12
FC-06-18	20887	187.58	188.19	0.61	37	35	112	0.8	< 2
FC-06-18	20887A	188.19	188.89	0.70	114	**1590**	789	1.4	< 2
FC-06-18	20888	188.89	189.03	0.14	1680	**> 5000**	**> 10000**	**25.8**	**32**
FC-06-18	20888A	189.03	189.75	0.72	103	398	541	0.7	< 2
FC-06-18	20888B	189.75	190.40	0.65	847	**> 5000**	**> 10000**	**11.8**	**21**
FC-06-18	20889	190.40	193.68	3.28	55	67	149	0.4	< 2

Hole Id	Sample number	From (m)	To (m)	Interval (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
FC-06-18	20890	193.68	197.03	3.35	20	31	93	< 0.3	< 2
FC-06-18	20891	197.03	200.08	3.05	95	19	167	< 0.3	< 2
FC-06-18	20892	227.53	230.58	3.05	96	27	76	0.6	< 2
FC-06-18	20893	230.58	232.11	1.53	29	16	89	0.5	8
FC-06-18	20894	232.11	235.16	3.05	224	15	71	0.6	5
FC-06-18	20895	235.16	237.29	2.13	12	11	37	0.4	< 2
FC-06-18	20896	237.29	239.12	1.83	766	271	614	2.4	18
FC-06-18	20897	239.12	240.34	1.22	11	7	58	0.4	< 2
FC-06-18	20898	265.05	266.57	1.52	107	35	279	0.5	5
FC-06-18	20899	266.57	268.10	1.53	53	64	171	0.5	< 2
FC-06-18	20900	298.29	300.43	2.14	32	16	76	< 0.3	< 2
FC-06-18	20951	300.43	301.95	1.52	24	37	49	< 0.3	< 2
FC-06-18	20952	306.22	308.36	2.14	32	18	71	< 0.3	< 2
FC-06-18	20953	365.70	369.05	3.35	51	18	58	< 0.3	< 2
FC-06-18	20954	369.05	369.97	0.92	24	18	101	0.4	< 2
FC-06-18	20955	369.97	370.88	0.91	53	15	78	0.8	< 2
FC-06-18	20956	370.88	372.71	1.83	81	37	123	0.6	< 2
FC-06-18	20957	372.71	375.15	2.44	25	22	60	0.8	< 2
FC-06-18	20958	375.15	377.90	2.75	44	27	78	0.6	3
FC-06-18	20959	383.08	386.13	3.05	69	15	82	0.3	< 2
FC-06-18	20960	386.13	387.96	1.83	35	28	90	< 0.3	< 2
FC-06-18	20961	387.96	388.88	0.92	39	28	95	0.9	< 2
FC-06-18	20962	388.88	391.01	2.13	24	19	99	0.6	< 2
FC-06-18	20963	391.01	394.37	3.36	30	23	90	0.7	< 2
FC-06-18	20964	403.67	405.65	1.98	29	16	100	0.5	< 2
FC-06-18	20965	405.65	406.87	1.22	36	23	114	0.9	< 2
FC-06-18	20966	406.87	407.79	0.92	22	16	112	0.5	< 2
FC-06-18	20967	407.79	409.31	1.52	41	21	69	1	< 2
FC-06-18	20968	409.31	413.28	3.97	31	20	83	0.6	< 2
FC-06-18	20969	434.63	437.68	3.05	33	29	120	0.5	< 2
FC-06-18	20970	437.68	440.72	3.04	31	27	113	0.4	< 2
FC-06-18	20971	440.72	441.95	1.23	44	32	118	0.6	< 2
FC-06-18	20972	443.17	445.30	2.13	38	34	92	0.6	< 2
FC-06-18	20973	445.30	447.44	2.14	41	27	67	0.6	< 2
FC-06-18	20974	447.44	449.88	2.44	41	21	45	< 0.3	< 2
FC-06-18	20975	449.88	451.40	1.52	22	28	63	0.4	< 2
FC-06-18	20976	451.40	454.45	3.05	24	57	68	0.7	< 2
FC-06-18	20977	454.45	455.98	1.53	31	40	82	< 0.3	< 2
FC-06-18	20978	455.98	459.03	3.05	11	17	33	0.6	< 2
FC-06-18	20979	459.03	460.86	1.83	10	26	33	0.4	< 2
FC-06-18	20980	460.86	463.91	3.05	24	19	84	0.5	< 2
FC-06-18	20981	463.91	466.04	2.13	32	19	71	< 0.3	< 2
FC-06-18	20982	466.04	467.87	1.83	27	20	64	0.4	< 2
FC-06-18	20983	479.77	481.60	1.83	35	58	109	< 0.3	< 2
FC-06-18	20984	481.60	483.88	2.28	4	< 5	16	< 0.3	7
FC-06-18	20985	488.61	491.05	2.44	57	18	85	0.5	< 2

LEGEND

Overburden

Harvey's Ridge Succession

Argillite (Phyllite)
dark grey to black, thin bedded/laminated,+/-carbonaceous, <25% silty to sandy interbeds

Siltstone (Phyllite)
light to medium grey/grey-green, laminated to massive, +/- lesser argillaceous and sandy intercalations

Sandstone
fine to coarse grained, massive to moderately bedded, quartz +/-feldspar-rich, lesser +/-argillite+/-siltstone+/-conglomerate

Pebble Conglomerate/Slump (Tectonic) breccia?
light grey, sedimentary clasts in argillaceous to sandy, +/-carbonaceous matrix, tectonized, argillite to sandstone beds

Limestone
medium grey, massive to moderately bedded, +/-calcareous siltstone to sandstone

Altered Zone/Sericite-Quartz Phyllite
light yellow-green, tightly foliated, +/-Fe-carbonate,+/-chlorite, +/-mariposite

Altered Zone/Fe-Carbonate (Ankerite)
buff to rusty orange, +/-mariposite in siltstone and sandstone

Mafic Dyke
green, fine grained, weakly porphyritic

Massive to semi-massive sulfides
py>+/-po+/-cpy+/-sph+/-gal

Geological Contact
Fault
9305 Sample Id
2.88,0.01,0.40,39.0,1.7/0.2 %Cu, %Pb, %Zn, g/tAg, g/tAu /width (meters)

py	Pyrite	Cr-mica	Mariposite (Fuchsite)
po	Pyrrhotite	qv	Quartz veins
cpy	Chalcopyrite	altn	Alteration
sph	Sphalerite	dissem	Dissemination
ga	Galena	mod	Moderate
sil	Silicification	flt	Fault
chl	Chloritization	bx	Breccia
ser	Sericitization		
ank	Ankerite		
ab	Albite		

0 10 20 40m
Scale 1:1000

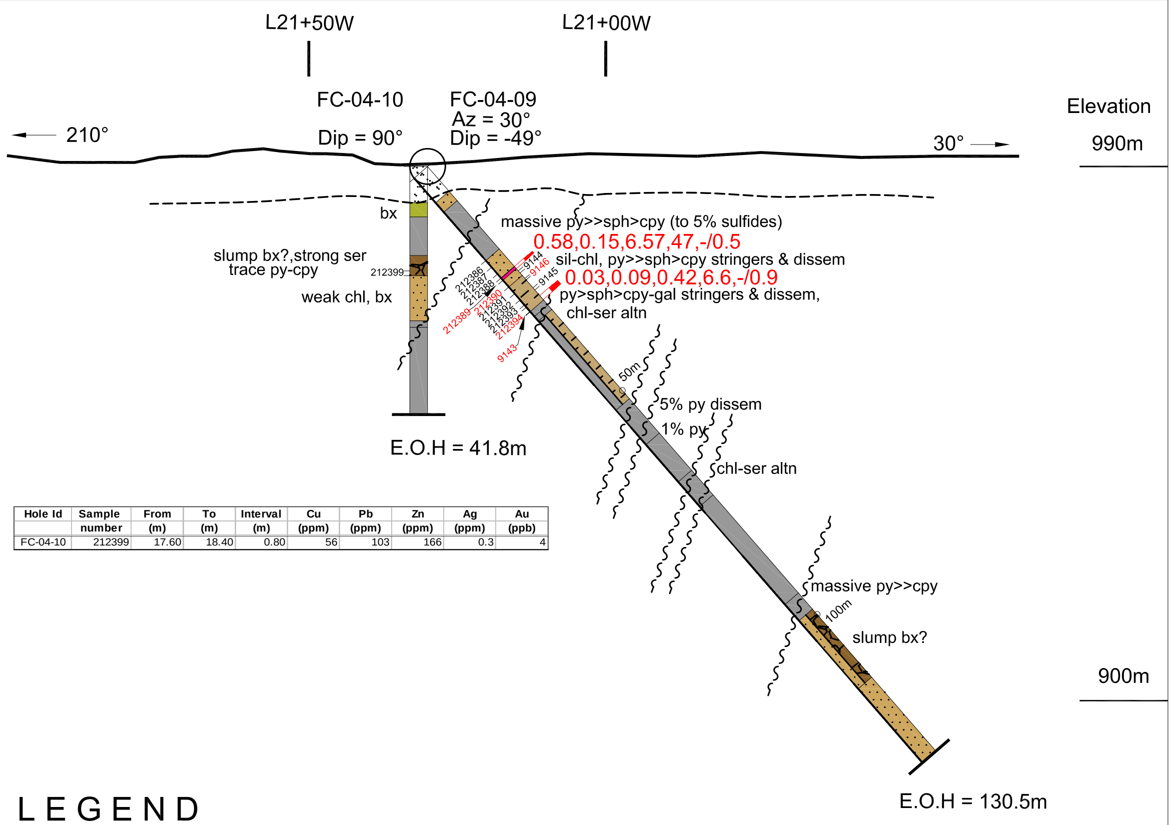
BARKER MINERALS LTD

FRANK CREEK PROPERTY

Cariboo Mining Division
BCGS 93A-074

SECTION FC-06-18

Tech Work by: D & J Geoservices
Drawn by: JK
Date: July 2006
Figure



Hole Id	Sample number	From (m)	To (m)	Interval (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
FC-04-10	212399	17.60	18.40	0.80	56	103	166	0.3	4

Hole Id	Sample number	From (m)	To (m)	Interval (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
FC-04-09	212386	18.40	19.90	1.50	130	193	307	1.9	<.5
FC-04-09	212387	19.90	21.40	1.50	201	245	763	1.4	1
FC-04-09	212388	21.40	22.30	0.90	218	373	1137	1.8	3
FC-04-09	212389	22.30	22.80	0.50	**6184**	1469	**65700**	**45.1**	6
FC-04-09	212390	22.80	24.30	1.50	245	387	**2580**	2.2	4
FC-04-09	212391	24.30	25.80	1.50	251	82	328	0.6	<.5
FC-04-09	212392	25.80	27.20	1.40	377	220	280	1.5	1
FC-04-09	212393	27.20	28.30	1.10	355	318	441	2.5	<.5
FC-04-09	212394	28.30	29.80	1.50	262	109	405	1.0	<.5
FC-04-09	SMck-9176	22.30	22.80	0.50	**5800**	1500	**65700**	**47.0**	<2
FC-04-09	9143	28.80	29.70	0.90	320	941	**4170**	6.6	<2
FC-04-09	9144	23.30	23.77	0.43	223	594	397	4.2	<2
FC-04-09	9145	27.08	27.56	0.48	575	134	300	1.4	<2
FC-04-09	9146	25.00	25.30	0.30	203	203	**2721**	1.6	10

L E G E N D

Overburden

Harvey's Ridge Succession

Argillite (Phyllite)
dark grey to black, thin bedded/laminated,+/-carbonaceous, <25% silty to sandy interbeds

Siltstone (Phyllite)
light to medium grey/grey-green, laminated to massive, +/- lesser argillaceous and sandy intercalations

Sandstone
fine to coarse grained, massive to moderately bedded, quartz +/-feldspar-rich, lesser +/-argillite+/-siltstone+/-conglomerate

Pebble Conglomerate/Slump (Tectonic) breccia?
light grey, sedimentary clasts in argillaceous to sandy, +/-carbonaceous matrix, tectonized, argillite to sandstone beds

Limestone
medium grey, massive to moderately bedded, +/-calcareous siltstone to sandstone

Altered Zone/Sericite-Quartz Phyllite
light yellow-green, tightly foliated, +/-Fe-carbonate,+/-chlorite, +/-mariposite

Altered Zone/Fe-Carbonate (Ankerite)
buff to rusty orange, +/-mariposite in siltstone and sandstone

Mafic Dyke
green, fine grained, weakly porphyritic

Massive to semi-massive sulfides
py>+/-po+/-cpy+/-sph+/-gal

Geological Contact
Fault
9305 Sample Id
2.88,0.01,0.40,39.0,1.7/0.2 %Cu, %Pb, %Zn, g/tAg, g/tAu /width (meters)

py	Pyrite	Cr-mica	Mariposite (Fuchsite)
po	Pyrrhotite	qv	Quartz veins
cpy	Chalcopyrite	altn	Alteration
sph	Sphalerite	dissem	Dissemination
ga	Galena	mod	Moderate
sil	Silicification	flt	Fault
chl	Chloritization	bx	Breccia
ser	Sericitization		
ank	Ankerite		
ab	Albite		

0 10 20 40m

Scale 1:1000

BARKER MINERALS LTD

FRANK CREEK PROPERTY

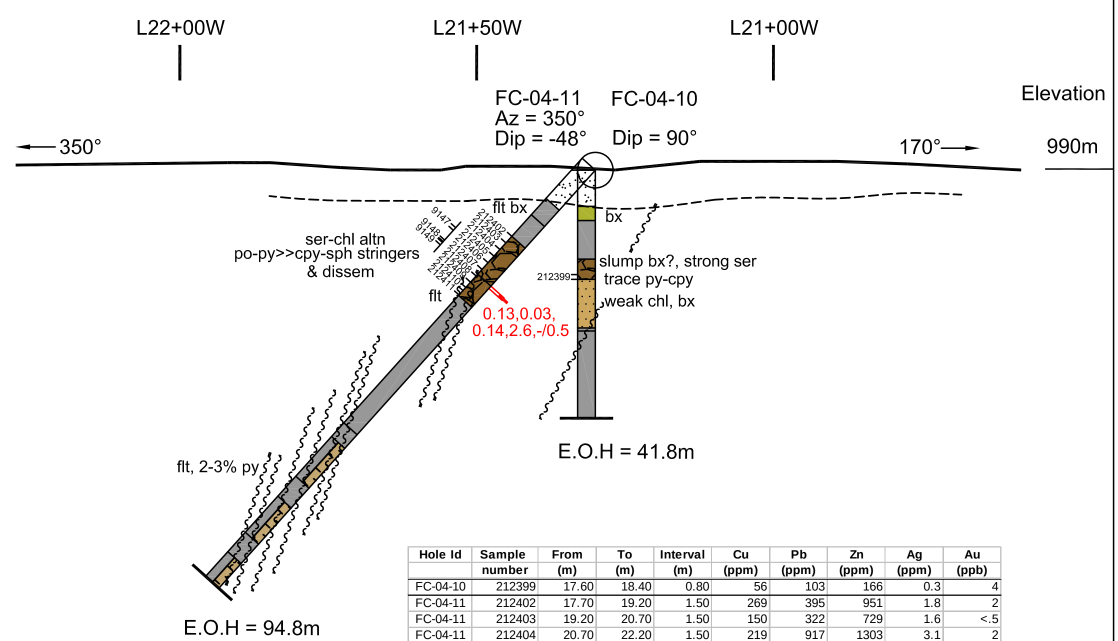
Cariboo Mining Division
BCGS 93A-074

SECTION FC-04-09 FC-04-10

View to Northwest (300°)

Tech Work by: D & J Geoservices
Drawn by: JK

Date: July 2006
Figure



Hole Id	Sample number	From (m)	To (m)	Interval (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
FC-04-10	212399	17.60	18.40	0.80	56	103	166	0.3	4
FC-04-11	212402	17.70	19.20	1.50	269	395	951	1.8	2
FC-04-11	212403	19.20	20.70	1.50	150	322	729	1.6	<.5
FC-04-11	212404	20.70	22.20	1.50	219	917	1303	3.1	2
FC-04-11	212405	22.20	23.70	1.50	170	194	1153	0.9	2
FC-04-11	212406	23.70	25.20	1.50	878	224	956	1.2	2
FC-04-11	212407	25.20	26.70	1.50	532	324	580	1.5	1
FC-04-11	212408	26.70	28.10	1.40	134	259	950	1.0	6
FC-04-11	212409	28.10	29.30	1.20	80	133	151	1.1	16
FC-04-11	212410	29.30	30.00	0.70	74	102	129	0.5	<.5
FC-04-11	212411	30.00	31.10	1.10	88	201	569	0.9	<.5
FC-04-11	9147	22.95	23.55	0.60	202	193	952	1.4	3
FC-04-11	9148	25.74	26.10	0.36	559	391	1201	3.0	8
FC-04-11	9149	26.30	26.82	0.52	1252	320	1377	2.6	13

LEGEND

Overburden

Harvey's Ridge Succession

Argillite (Phyllite)
dark grey to black, thin bedded/laminated, +/-carbonaceous, <25% silty to sandy interbeds

Siltstone (Phyllite)
light to medium grey/grey-green, laminated to massive +/-lesser argillaceous and sandy intercalations

Sandstone
fine to coarse grained, massive to moderately bedded, quartz +/-feldspar-rich, lesser +/-argillite+/-siltstone+/-conglomerate

Pebble Conglomerate/Slump (Tectonic) breccia?
light grey, sedimentary clasts in argillaceous to sandy, +/-carbonaceous matrix, tectonized, argillite to sandstone beds

Limestone
medium grey, massive to moderately bedded, +/-calcareous siltstone and sandstone

Altered Zone/Sericite+/-Quartz Phyllite
light yellow-green, foliated, +/-Fe-carbonate,+/-chlorite, +/-mariposite

Altered Zone/Fe-Carbonate (Ankerite)
buff to rusty orange, +/-mariposite in siltstone to sandstone

Mafic Dyke
green, fine grained, weakly porphyritic

Massive to semi-massive sulfides
py>+/-po+/-cpy+/-sph+/-gal

Geological Contact
Fault
9305 Sample Id
2.88,0.01,0.40,39.0,1.7/0.2 %Cu, %Pb, %Zn, g/tAg, g/tAu /width (meters)

py	Pyrite	Cr-mica	Mariposite (Fuchsite)
po	Pyrrhotite	qv	Quartz veins
cpy	Chalcopyrite	altn	Alteration
sph	Sphalerite	dissem	Dissemination
ga	Galena	mod	Moderate
sil	Silicification	flt	Fault
chl	Chloritization	bx	Breccia
ser	Sericitization		
ank	Ankerite		
ab	Albite		

0 10 20 40m
Scale 1:1000

BARKER MINERALS LTD

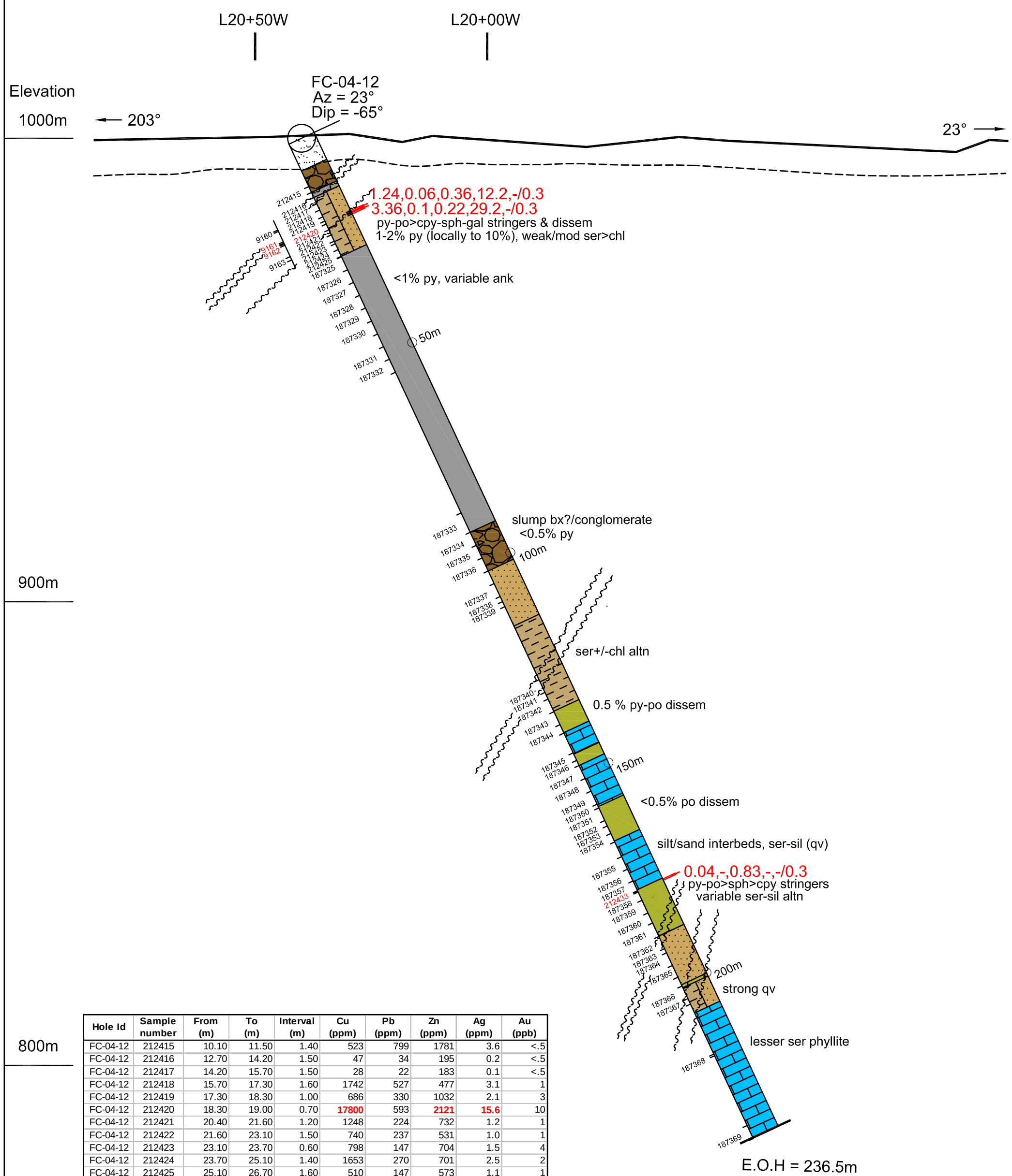
FRANK CREEK PROPERTY

Cariboo Mining Division
BCGS 93A-074

SECTION FC-04-10 & FC-04-11

View to Northeast (080°)

Tech Work by: D & J Geoservices
Drawn by: JK
Date: July 2006
Figure



Hole Id	Sample number	From (m)	To (m)	Interval (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
FC-04-12	212415	10.10	11.50	1.40	523	799	1781	3.6	<.5
FC-04-12	212416	12.70	14.20	1.50	47	34	195	0.2	<.5
FC-04-12	212417	14.20	15.70	1.50	28	22	183	0.1	<.5
FC-04-12	212418	15.70	17.30	1.60	1742	527	477	3.1	1
FC-04-12	212419	17.30	18.30	1.00	686	330	1032	2.1	3
FC-04-12	212420	18.30	19.00	0.70	**17800**	593	**2121**	**15.6**	10
FC-04-12	212421	20.40	21.60	1.20	1248	224	732	1.2	1
FC-04-12	212422	21.60	23.10	1.50	740	237	531	1.0	1
FC-04-12	212423	23.10	23.70	0.60	798	147	704	1.5	4
FC-04-12	212424	23.70	25.10	1.40	1653	270	701	2.5	2
FC-04-12	212425	25.10	26.70	1.60	510	147	573	1.1	1
FC-04-12	212433	177.70	178.00	0.30	436	106	**8301**	1.1	5
FC-04-12	187325	26.84	29.89	3.05	119	94	242	0.8	< 2
FC-04-12	187326	29.89	32.94	3.05	32	25	142	< 0.3	8
FC-04-12	187327	32.94	35.99	3.05	49	31	177	< 0.3	6
FC-04-12	187328	35.99	39.04	3.05	37	38	164	0.7	< 2
FC-04-12	187329	39.04	42.09	3.05	23	20	158	< 0.3	< 2
FC-04-12	187330	42.09	45.15	3.06	26	28	141	0.8	< 2
FC-04-12	187331	48.19	51.24	3.05	32	27	195	0.5	10
FC-04-12	187332	51.24	54.29	3.05	36	31	171	0.5	< 2
FC-04-12	187333	87.84	92.42	4.58	23	28	168	0.3	< 2
FC-04-12	187334	92.42	95.47	3.05	74	6	67	0.3	< 2
FC-04-12	187335	95.47	98.52	3.05	19	9	73	< 0.3	< 2
FC-04-12	187336	98.52	101.57	3.05	45	31	63	< 0.3	< 2
FC-04-12	187337	104.62	107.67	3.05	18	8	20	< 0.3	< 2
FC-04-12	187338	107.67	108.89	1.22	91	31	127	< 0.3	< 2
FC-04-12	187339	108.89	110.11	1.22	30	17	42	< 0.3	< 2
FC-04-12	187340	127.49	130.54	3.05	31	32	83	< 0.3	< 2
FC-04-12	187341	130.54	132.07	1.53	28	45	89	0.4	< 2
FC-04-12	187342	132.07	135.12	3.05	26	31	83	< 0.3	< 2
FC-04-12	187343	135.12	138.17	3.05	31	15	75	< 0.3	< 2
FC-04-12	187344	138.17	140.15	1.98	25	23	60	0.6	< 2
FC-04-12	187345	144.88	146.71	1.83	48	45	74	0.9	7
FC-04-12	187346	146.71	147.93	1.22	50	74	134	0.8	< 2
FC-04-12	187347	147.93	150.98	3.05	24	24	45	0.4	< 2
FC-04-12	187348	150.98	154.03	3.05	40	233	586	0.7	< 2
FC-04-12	187349	154.03	157.08	3.05	19	47	58	0.3	< 2
FC-04-12	187350	157.08	157.99	0.91	20	32	83	< 0.3	2
FC-04-12	187351	157.99	161.04	3.05	33	11	236	< 0.3	< 2
FC-04-12	187352	161.04	162.26	1.22	21	7	31	< 0.3	< 2
FC-04-12	187353	162.26	164.09	1.83	24	27	96	0.3	< 2
FC-04-12	187354	164.09	166.07	1.98	42	28	72	0.4	< 2
FC-04-12	187355	169.58	172.63	3.05	28	9	71	< 0.3	< 2
FC-04-12	187356	172.63	175.38	2.75	12	36	38	< 0.3	< 2
FC-04-12	187357	175.38	177.97	2.59	8	57	98	< 0.3	< 2
FC-04-12	187358	177.97	179.95	1.98	34	16	122	< 0.3	< 2
FC-04-12	187359	179.95	183.00	3.05	51	11	116	< 0.3	< 2
FC-04-12	187360	183.00	185.44	2.44	36	10	71	< 0.3	< 2
FC-04-12	187361	185.44	188.64	3.20	44	377	336	0.5	< 2
FC-04-12	187362	188.64	191.54	2.90	133	811	591	0.9	< 2
FC-04-12	187363	191.54	192.46	0.92	9	16	13	< 0.3	< 2
FC-04-12	187364	192.46	195.51	3.05	124	11	97	< 0.3	< 2
FC-04-12	187365	195.51	198.25	2.74	45	12	100	< 0.3	< 2
FC-04-12	187366	200.39	203.44	3.05	24	14	70	< 0.3	< 2
FC-04-12	187367	203.44	204.66	1.22	22	22	87	< 0.3	2
FC-04-12	187368	216.55	217.01	0.46	23	707	1110	0.9	< 2
FC-04-12	187369	233.63	236.68	3.05	3	102	170	0.5	< 2
FC-04-12	9160	15.75	16.05	0.30	345	808	622	2.8	3
FC-04-12	9161	18.60	18.90	0.30	**12400**	589	**3580**	**12.2**	<2
FC-04-12	9162	19.08	19.38	0.30	**33600**	**1001**	**2249**	**29.2**	<2
FC-04-12	9163	22.08	22.88	0.80	902	120	643	1.2	9

0 10 20 40m

Scale 1:1000

LEGEND

Overburden

Harvey's Ridge Succession

Argillite (Phyllite)
dark grey to black, thin bedded/laminated, +/-carbonaceous, <25% silty to sandy interbeds

Siltstone (Phyllite)
light to medium grey/grey-green, laminated to massive +/-lesser argillaceous and sandy intercalations

Sandstone
fine to coarse grained, massive to moderately bedded, quartz +/-feldspar-rich, lesser +/-argillite+/-siltstone+/-conglomerate

Pebble Conglomerate/Slump (Tectonic) breccia?
light grey, sedimentary clasts in argillaceous to sandy, +/-carbonaceous matrix, tectonized, argillite to sandstone beds

Limestone
medium grey, massive to moderately bedded, +/-calcareous siltstone and sandstone

Altered Zone/Sericite+/-Quartz Phyllite
light yellow-green, foliated, +/-Fe-carbonate,+/-chlorite, +/-mariposite

Altered Zone/Fe-Carbonate (Ankerite)
buff to rusty orange, +/-mariposite in siltstone to sandstone

Mafic Dyke
green, fine grained, weakly porphyritic

Massive to semi-massive sulfides
py>+/-po+/-cpy+/-sph+/-gal

Geological Contact
Fault
9305 Sample Id
2.88,0.01,0.40,39.0,1.7/0.2 %Cu, %Pb, %Zn, g/tAg, g/tAu /width (meters)

py	Pyrite	Cr-mica	Mariposite (Fuchsite)
po	Pyrrhotite	qv	Quartz veins
cpy	Chalcopyrite	altn	Alteration
sph	Sphalerite	dissem	Dissemination
ga	Galena	mod	Moderate
sil	Silicification	flt	Fault
chl	Chloritization	bx	Breccia
ser	Sericitization		
ank	Ankerite		
ab	Albite		

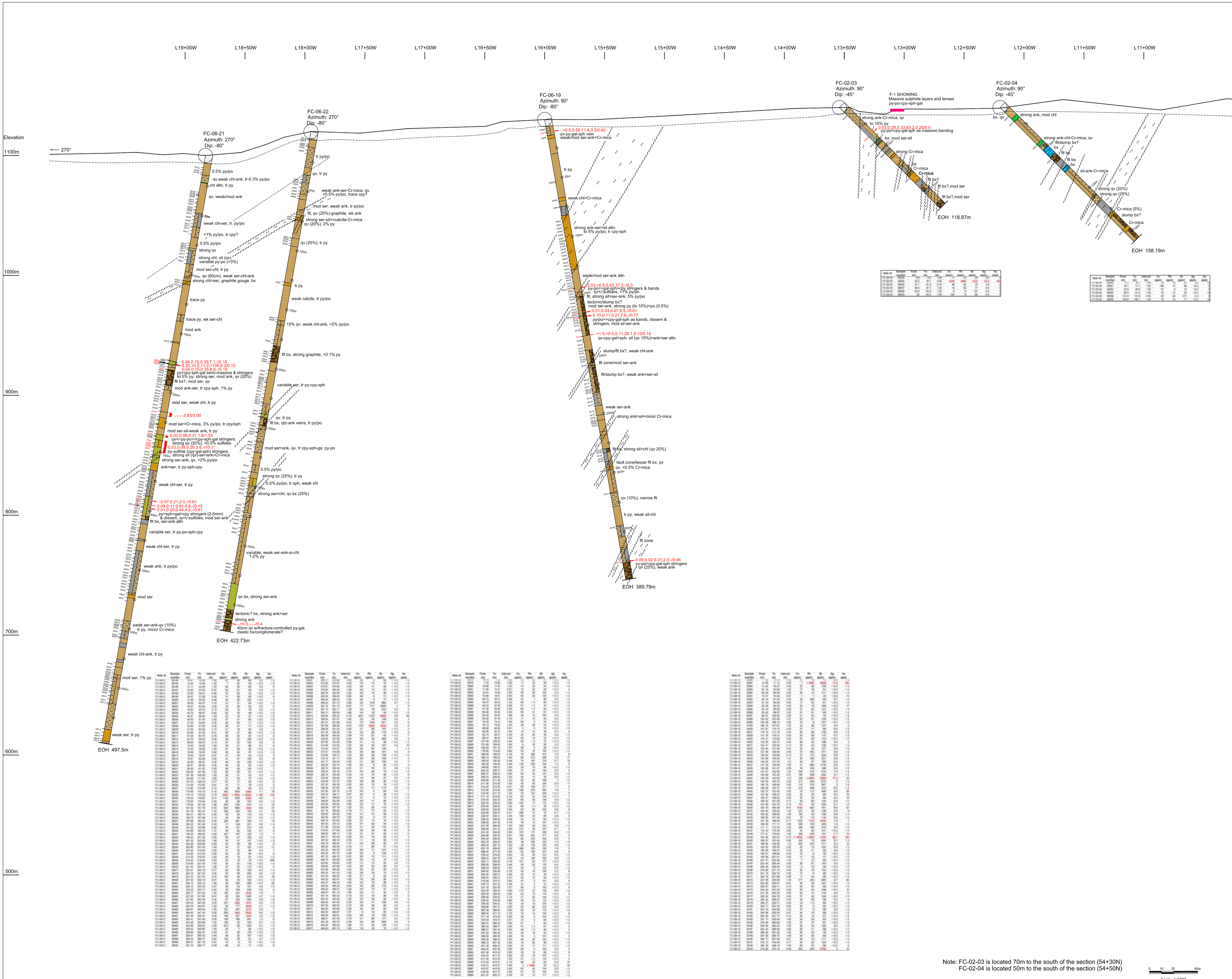
BARKER MINERALS LTD

FRANK CREEK PROPERTY
Cariboo Mining Division
BCGS 93A-074

SECTION FC-04-12
View to Northwest (293°)

Tech Work by: D & J Geoservices
Drawn by: JK

Date: July 2006
Figure



LEGEND

Overburden

Harvey's Ridge Succession

- Argillite (Phyllite) — dark grey to black, thin bedded/laminated,+/-carbonaceous, <25% silty to sandy interbeds
- Siltstone (Phyllite) — light to medium grey/grey-green, laminated to massive, +/- lesser argillaceous and sandy intercalations
- Sandstone — fine to coarse grained, massive to moderately bedded, quartz +/-feldspar-rich, lesser +/-argillite+/-siltstone+/-conglomerate
- Pebble Conglomerate/Slump (Tectonic) breccia? — light grey, sedimentary clasts in argillaceous to sandy, +/-carbonaceous matrix, tectonized, argillite to sandstone interbeds
- Limestone — medium grey, massive to moderately bedded, +/-calcareous siltstone to sandstone
- Altered Zone/Sericite-Quartz Phyllite — light yellow-green, tightly foliated, +/-Fe-carbonate+/-chlorite +/-mariposite
- Altered Zone/Fe-Carbonate (Ankerite) — buff to rusty orange, +/-mariposite in siltstone and sandstone
- Mafic Dyke — green, fine grained, weakly porphyritic
- Massive to semi-massive sulfides — py+/-po+/-cpy+/-sph+/-gal

Geological Contact
Fault
Sample Id

2.88,0.01,0.40,39.0,1.7/0.2 — %Cu, %Pb, %Zn, g/tAg, g/tAu /width (meters)
2.88,0.01,0.40,39.0,1.7/0.2* — weighted average (%Cu-Pb-Zn, g/tAg-Au/m)

py	Pyrite	Cr-mica	Mariposite (Fuchsite)		
po	Pyrrhotite	qv	Quartz veins		
cpy	Chalcopyrite	altn	Alteration		
sph	Sphalerite	dissem	Dissemination		
ga	Galena	mod	Moderate		
sil	Silicification	flt	Fault		
chl	Chloritization	bx	Breccia		
ser	Sericitization				
ank	Ankerite				
ab	Albite				

BARKER MINERALS LTD

FRANK CREEK PROPERTY

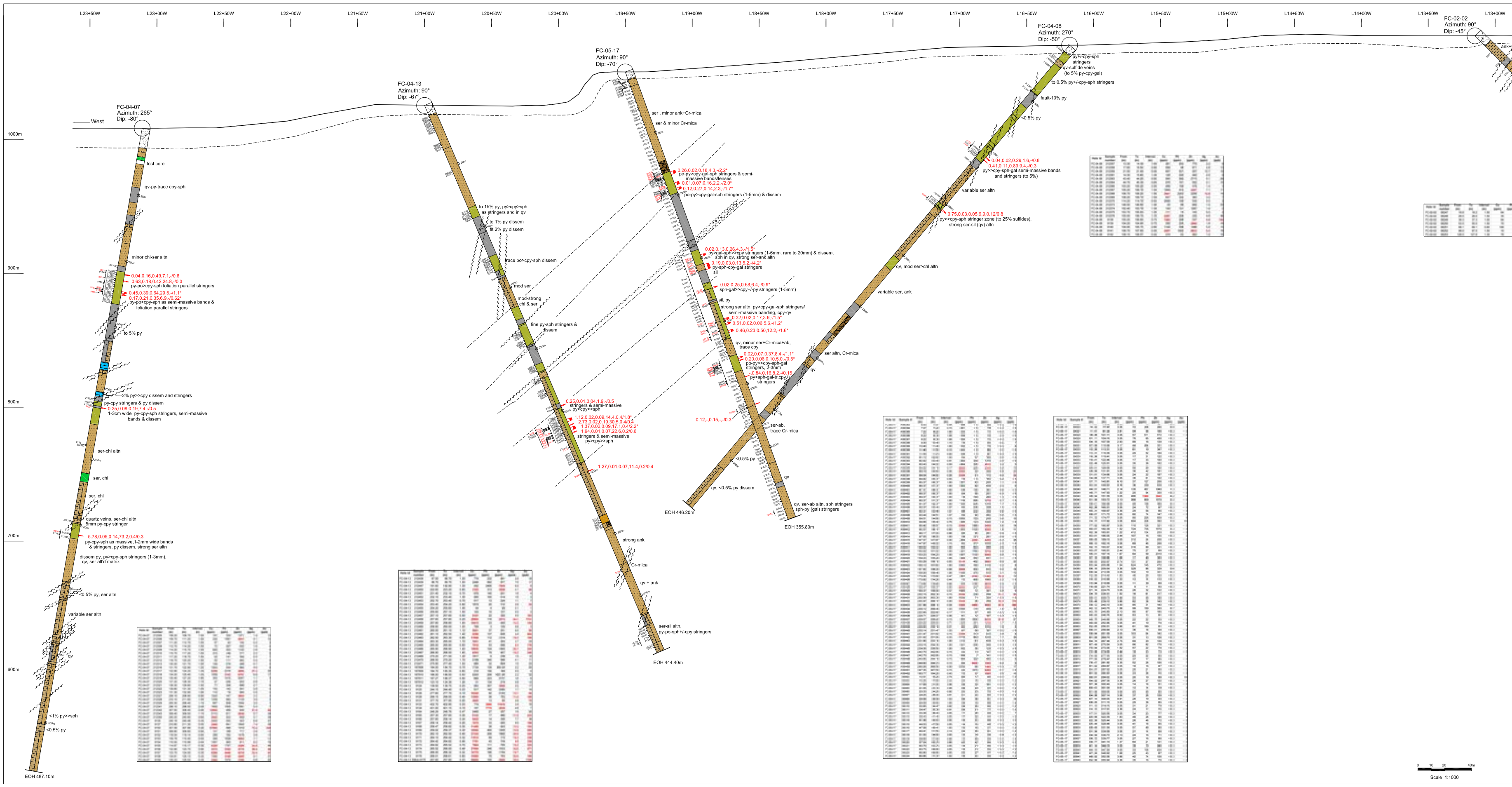
Cariboo Mining Division
BCGS 93A-074

SECTION L55N

FC-02-03 FC-02-04 FC-06-19
FC-06-21 FC-06-22

View to North

Tech Work by: D & J Geoservices
Drawn by: JK
Date: July 2006
Figure



LEGEND

Overburden

Harvey's Ridge Succession

Argillite (Phyllite)
dark grey to black, thin bedded/laminated,+/-carbonaceous, <25% silty to sandy interbeds

Siltstone (Phyllite)
light to medium grey/grey-green, laminated to massive, +/- lesser argillaceous and sandy intercalations

Sandstone
fine to coarse grained, massive to moderately bedded, quartz +/-feldspar-rich, lesser +/-argillite+/-siltstone+/-conglomerate

Pebble Conglomerate/Slump (Tectonic) breccia?
light grey, sedimentary clasts in argillaceous to sandy, +/-carbonaceous matrix, tectonized, argillite to sandstone interbeds

Limestone
medium grey, massive to moderately bedded, +/-calcareous siltstone to sandstone

Altered Zone/Sericite-Quartz Phyllite
light yellow-green, tightly foliated, +/-Fe-carbonate+/-chlorite +/-mariposite

Altered Zone/Fe-Carbonate (Ankerite)
buff to rusty orange, +/-mariposite in siltstone and sandstone

Mafic Dyke
green, fine grained, weakly porphyritic

Massive to semi-massive sulfides
py>+/-po+/-cpy+/-sph+/-gal

Geological Contact
Fault
9305 Sample Id
2.88,0.01,0.40,39.0,1.7/0.2 %Cu, %Pb, %Zn, g/tAg, g/tAu /width (meters)
2.88,0.01,0.40,39.0,1.7/0.2* weighted average (Cu-Pb-Zn-Ag-Au/m)

py	Pyrite	Cr-mica	Mariposite (Fuchsite)
po	Pyrrhotite	qv	Quartz veins
cpy	Chalcopyrite	altn	Alteration
sph	Sphalerite	dissem	Dissemination
ga	Galena	mod	Moderate
sil	Silicification	flt	Fault
chl	Chloritization	bx	Breccia
ser	Sericitization		
ank	Ankerite		
ab	Albite		

BARKER MINERALS LTD

FRANK CREEK PROPERTY

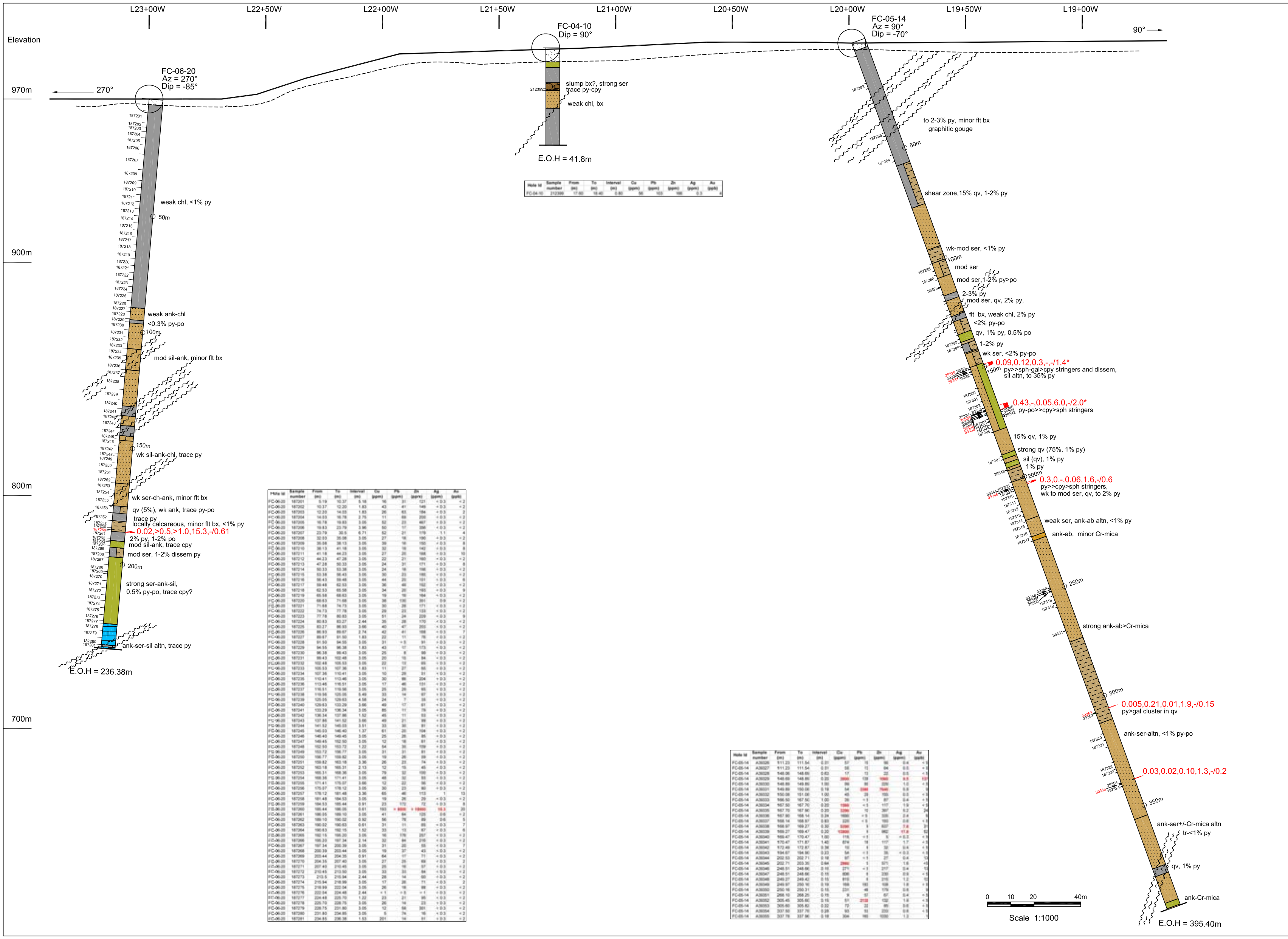
Cariboo Mining Division
BCGS 93A-074

SECTION L57N

FC-02-02 FC-04-07 FC-04-08 FC-04-13 FC-05-17

View to North

Tech Work by: D & J Geoservices
Drawn by: JK
Date: July 2006
Figure



Hole Id	Sample number	From (m)	To (m)	Interval (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
FC-04-10	212399	17.60	18.40	0.80	56	103	166	0.3	4

Hole Id	Sample number	From (m)	To (m)	Interval (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
FC-06-20	187201	5.19	10.37	5.18	16	31	121	< 0.3	< 2
FC-06-20	187202	10.37	12.20	1.83	43	41	149	< 0.3	< 2
FC-06-20	187203	12.20	14.03	1.83	26	63	184	< 0.3	2
FC-06-20	187204	14.03	16.78	2.75	11	69	200	< 0.3	< 2
FC-06-20	187205	16.78	19.83	3.05	52	23	467	< 0.3	< 2
FC-06-20	187206	19.83	23.79	3.96	50	17	398	< 0.3	< 2
FC-06-20	187207	23.79	30.5	6.71	52	21	179	1.1	4
FC-06-20	187208	32.03	35.08	3.05	27	18	190	< 0.3	< 2
FC-06-20	187209	35.08	38.13	3.05	39	16	150	< 0.3	8
FC-06-20	187210	38.13	41.18	3.05	32	19	142	< 0.3	8
FC-06-20	187211	41.18	44.23	3.05	27	20	168	< 0.3	10
FC-06-20	187212	44.23	47.28	3.05	22	21	160	< 0.3	< 2
FC-06-20	187213	47.28	50.33	3.05	24	31	171	< 0.3	8
FC-06-20	187214	50.33	53.38	3.05	24	18	198	< 0.3	< 2
FC-06-20	187215	53.38	56.43	3.05	30	23	165	< 0.3	< 2
FC-06-20	187216	56.43	59.48	3.05	44	20	101	< 0.3	6
FC-06-20	187217	59.48	62.53	3.05	36	48	102	< 0.3	< 2
FC-06-20	187218	62.53	65.58	3.05	34	20	165	< 0.3	9
FC-06-20	187219	65.58	68.63	3.05	19	16	164	< 0.3	< 2
FC-06-20	187220	68.63	71.68	3.05	38	130	391	0.9	< 2
FC-06-20	187221	71.68	74.73	3.05	30	28	171	< 0.3	< 2
FC-06-20	187222	74.73	77.78	3.05	29	23	133	< 0.3	< 2
FC-06-20	187223	77.78	80.83	3.05	51	24	229	< 0.3	9
FC-06-20	187224	80.83	83.27	2.44	35	28	170	< 0.3	< 2
FC-06-20	187225	83.27	86.93	3.66	40	47	203	< 0.3	< 2
FC-06-20	187226	86.93	89.67	2.74	42	41	168	< 0.3	7
FC-06-20	187227	89.67	91.50	1.83	22	11	76	< 0.3	< 2
FC-06-20	187228	91.50	94.55	3.05	31	< 5	91	< 0.3	< 2
FC-06-20	187229	94.55	96.38	1.83	43	17	173	< 0.3	< 2
FC-06-20	187230	96.38	99.43	3.05	25	8	88	< 0.3	< 2
FC-06-20	187231	99.43	102.48	3.05	20	10	84	< 0.3	< 2
FC-06-20	187232	102.48	105.53	3.05	22	13	65	< 0.3	< 2
FC-06-20	187233	105.53	107.36	1.83	11	27	65	< 0.3	< 2
FC-06-20	187234	107.36	110.41	3.05	10	29	51	< 0.3	< 2
FC-06-20	187235	110.41	113.46	3.05	30	86	204	< 0.3	< 2
FC-06-20	187236	113.46	116.51	3.05	17	46	131	< 0.3	< 2
FC-06-20	187237	116.51	119.56	3.05	25	29	65	< 0.3	< 2
FC-06-20	187238	119.56	125.05	5.49	33	14	67	< 0.3	< 2
FC-06-20	187239	125.05	129.63	4.58	24	7	35	< 0.3	< 2
FC-06-20	187240	129.63	133.29	3.66	49	17	61	< 0.3	< 2
FC-06-20	187241	133.29	136.34	3.05	85	11	76	< 0.3	< 2
FC-06-20	187242	136.34	137.86	1.52	45	11	53	< 0.3	< 2
FC-06-20	187243	137.86	141.52	3.66	49	21	89	< 0.3	< 2
FC-06-20	187244	141.52	145.03	3.51	33	30	81	< 0.3	< 2
FC-06-20	187245	145.03	146.40	1.37	61	20	104	< 0.3	< 2
FC-06-20	187246	146.40	149.45	3.05	25	28	85	< 0.3	< 2
FC-06-20	187247	149.45	152.50	3.05	12	18	81	< 0.3	< 2
FC-06-20	187248	152.50	153.72	1.22	54	38	109	< 0.3	< 2
FC-06-20	187249	153.72	156.77	3.05	31	31	81	< 0.3	< 2
FC-06-20	187250	156.77	159.82	3.05	19	26	69	< 0.3	< 2
FC-06-20	187251	159.82	163.18	3.36	26	21	74	< 0.3	< 2
FC-06-20	187252	163.18	165.31	2.13	12	15	45	< 0.3	< 2
FC-06-20	187253	165.31	168.36	3.05	79	32	100	< 0.3	< 2
FC-06-20	187254	168.36	171.41	3.05	48	32	93	< 0.3	< 2
FC-06-20	187255	171.41	175.07	3.66	12	22	56	< 0.3	< 2
FC-06-20	187256	175.07	178.12	3.05	30	23	80	< 0.3	< 2
FC-06-20	187257	178.12	181.48	3.36	65	46	113	1	13
FC-06-20	187258	181.48	184.53	3.05	19	26	29	< 0.3	< 2
FC-06-20	187259	184.53	185.44	0.91	23	172	72	< 0.3	8
FC-06-20	187260	185.44	186.05	0.61	193	> 5000	> 10000	15.3	20
FC-06-20	187261	186.05	189.10	3.05	41	64	125	0.6	< 2
FC-06-20	187262	189.10	190.02	0.92	56	78	89	0.6	5
FC-06-20	187263	190.02	190.63	0.61	31	11	65	< 0.3	7
FC-06-20	187264	190.63	192.15	1.52	33	13	67	< 0.3	6
FC-06-20	187265	192.15	195.20	3.05	16	176	257	< 0.3	< 2
FC-06-20	187266	195.20	197.34	2.14	32	84	216	< 0.3	< 2
FC-06-20	187267	197.34	200.39	3.05	31	20	55	< 0.3	7
FC-06-20	187268	200.39	203.44	3.05	19	37	43	< 0.3	< 2
FC-06-20	187269	203.44	204.35	0.91	64	17	71	< 0.3	< 2
FC-06-20	187270	204.35	207.40	3.05	27	29	69	< 0.3	< 2
FC-06-20	187271	207.40	210.45	3.05	16	57	43	< 0.3	< 2
FC-06-20	187272	210.45	213.50	3.05	33	24	84	< 0.3	< 2
FC-06-20	187273	213.5	215.94	2.44	28	14	60	< 0.3	< 2
FC-06-20	187274	215.94	218.99	3.05	17	28	71	< 0.3	< 2
FC-06-20	187275	218.99	222.04	3.05	26	18	88	< 0.3	< 2
FC-06-20	187276	222.04	224.48	2.44	< 1	< 5	< 1	< 0.3	< 2
FC-06-20	187277	224.48	225.70	1.22	23	21	95	< 0.3	< 2
FC-06-20	187278	225.70	228.75	3.05	26	18	23	< 0.3	< 2
FC-06-20	187279	228.75	231.80	3.05	12	56	391	< 0.3	< 2
FC-06-20	187280	231.80	234.85	3.05	5	74	16	< 0.3	< 2
FC-06-20	187281	234.85	236.38	1.53	201	14	61	< 0.3	< 2

Hole Id	Sample number	From (m)	To (m)	Interval (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
FC-05-14	A39326	111.23	111.54	0.31	57	15	92	0.4	< 5
FC-05-14	A39327	111.23	111.54	0.31	55	12	84	0.5	< 5
FC-05-14	A39328	148.95	149.60	0.63	17	12	22	0.5	< 5
FC-05-14	A39329	148.60	148.85	0.25	2600	129	1960	6.1	131
FC-05-14	A39330	148.85	149.85	1.00	96	10	229	1.0	< 5
FC-05-14	A39331	149.89	150.08	0.19	94	2360	7640	3.5	< 5
FC-05-14	A39332	150.08	151.08	1.00	46	28	150	0.3	< 5
FC-05-14	A39333	166.50	167.62	1.12	36	< 5	87	0.5	< 5
FC-05-14	A39334	167.50	167.72	0.22	1560	< 5	117	1.9	< 5
FC-05-14	A39335	167.72	167.90	0.18	2470	< 5	367	6.2	< 5
FC-05-14	A39336	167.90	168.14	0.24	3140	< 5	335	2.4	< 5
FC-05-14	A39337	168.14	168.97	0.83	225	< 5	193	0.8	< 5
FC-05-14	A39338	168.97	169.27	0.30	5390	6	837	7.6	31
FC-05-14	A39339	169.27	169.47	0.20	10600	13	982	11.6	52
FC-05-14	A39340	169.47	170.47	1.00	115	< 5	8	0.5	< 5
FC-05-14	A39341	170.47	171.87	1.40	674	18	117	1.7	< 5
FC-05-14	A39342	172.46	172.87	0.36	15	5	32	0.4	< 5
FC-05-14	A39343	194.67	194.90	0.23	54	< 5	35	< 0.3	< 5
FC-05-14	A39344	202.53	202.71	0.18	97	< 5	37	0.4	10
FC-05-14	A39345	202.71	203.35	0.64	2660	< 5	571	1.8	< 5
FC-05-14	A39346	248.51	248.66	0.15	271	< 5	217	0.4	10
FC-05-14	A39347	248.51	248.66	0.15	606	5	230	0.9	< 5
FC-05-14	A39348	249.27	249.42	0.15	810	9	215	1.2	10
FC-05-14	A39349	249.97	250.16	0.19	169	183	108	1.6	< 5
FC-05-14	A39350	250.16	250.31	0.15	231	46	176	0.6	< 5
FC-05-14	A39351	258.10	258.25	0.15	9	57	67	0.4	< 5
FC-05-14	A39352	305.45	305.60	0.15	57	2120	132	1.6	< 5
FC-05-14	A39353	305.60	305.92	0.32	72	22	85	0.6	< 5
FC-05-14	A39354	337.60	337.78	0.28	93	53	233	0.6	< 5
FC-05-14	A39355	337.78	337.96	0.18	304	165	1030	1.3	< 5

LEGEND

Overburden

Harvey's Ridge Succession

Argillite (Phyllite) dark grey to black, thin bedded/laminated, +/-carbonaceous, <25% silty to sandy interbeds

Siltstone (Phyllite) light to medium grey/grey-green, laminated to massive, +/- lesser argillaceous and sandy intercalations

Sandstone fine to coarse grained, massive to moderately bedded, quartz +/-feldspar-rich, lesser +/-argillite+/-siltstone+/-conglomerate

Pebble Conglomerate/Slump (Tectonic) breccia? light grey, sedimentary clasts in argillaceous to sandy, +/- carbonaceous matrix, tectonized, argillite to sandstone beds

Limestone medium grey, massive to moderately bedded, +/-calcareous siltstone and sandstone

Altered Zone/Sericite-Quartz Phyllite light yellow-green, tightly foliated, +/-Fe-carbonate+/-chlorite +/-mariposite

Altered Zone/Fe-Carbonate (Ankerite) buff to rusty orange, +/-mariposite in siltstone to sandstone

Mafic Dyke green, fine grained, weakly porphyritic

Massive to semi-massive sulfides py>+/-po+/-cpy+/-sph+/-gal

Geological Contact
Fault
9305 Sample Id
2.88,0.01,0.40,39.0,1.7/0.2 %Cu, %Pb, %Zn, g/tAg, g/tAu /width (meters)
2.88,0.01,0.40,39.0,1.7/0.2* weighted average (%Cu-Pb-Zn, g/tAg-Au/m)

py	Pyrite	Cr-mica	Mariposite (Fuchsite)
po	Pyrrhotite	qv	Quartz veins
cpy	Chalcopyrite	altn	Alteration
sph	Sphalerite	dissem	Dissemination
ga	Galena	mod	Moderate
sil	Silicification	flt	Fault
chl	Chloritization	bx	Breccia
ser	Sericitization		
ank	Ankerite		
ab	Albite		

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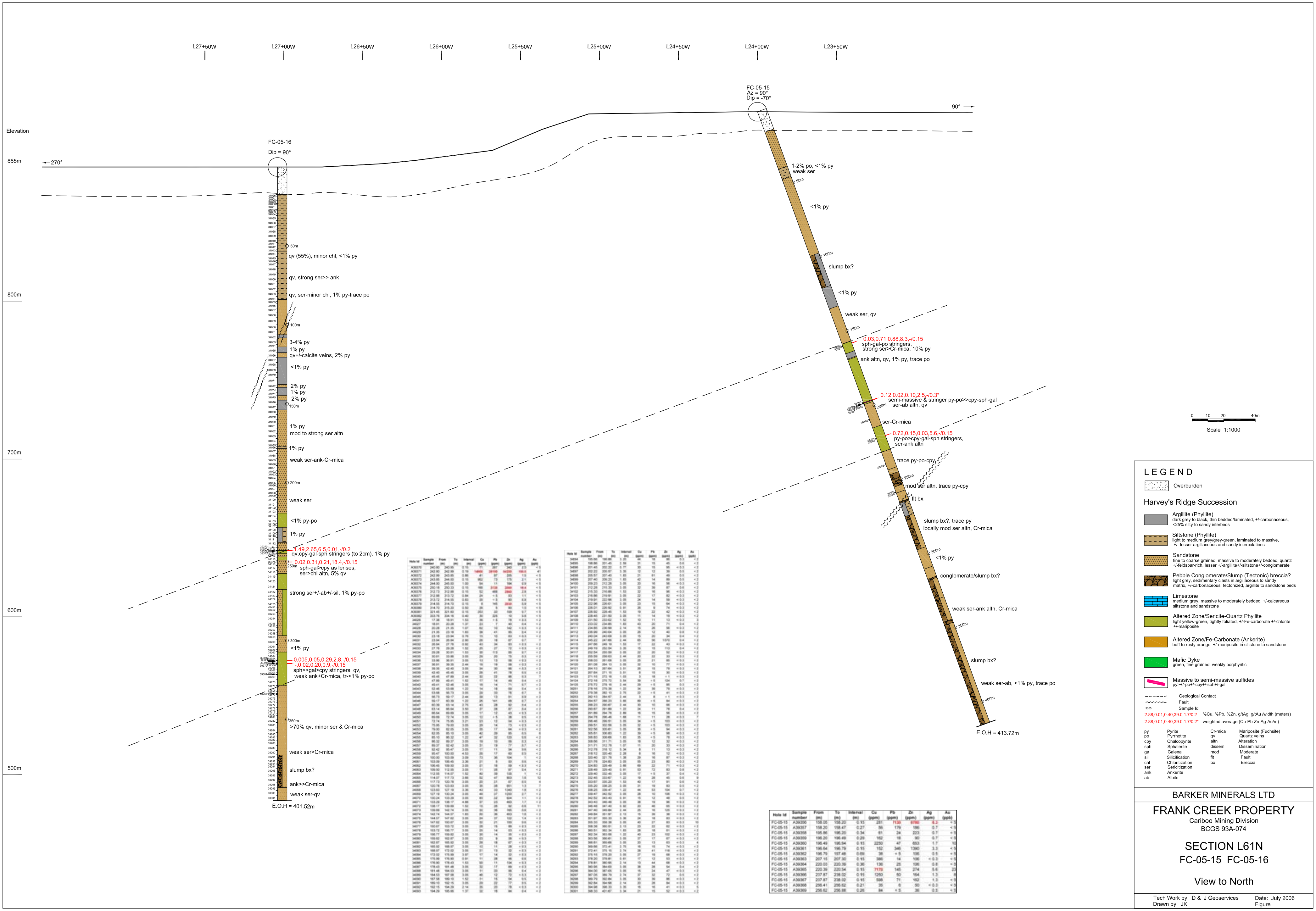
Cariboo Mining Division
BCGS 93A-074

SECTION L59N
FC-04-10 FC-04-11 FC-06-20
View to North

Tech Work by: D & J Geoservices
Drawn by: JK
Date: August 2006
Figure



Hole Id	Sample number	From (m)	To (m)	Interval (m)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
FC-05-15	A39356	158.05	158.20	0.15	281	7130	6780	6.3	< 5
FC-05-15	A39357	158.20	158.47	0.27	56	179	186	0.7	< 5
FC-05-15	A39358	195.86	196.20	0.34	61	24	223	0.7	< 5
FC-05-15	A39359	196.20	196.49	0.29	162	18	90	0.7	< 5
FC-05-15	A39360	196.49	196.64	0.15	2250	47	653	1.7	10
FC-05-15	A39361	196.64	196.79	0.15	152	346	1390	3.3	< 5
FC-05-15	A39362	196.79	197.48	0.69	38	< 5	106	0.5	< 5
FC-05-15	A39363	207.15	207.30	0.15	386	14	106	< 0.3	< 5
FC-05-15	A39364	220.03	220.39	0.36	136	25	106	0.8	< 5
FC-05-15	A39365	220.39	220.54	0.15	7170	145	274	5.6	23
FC-05-15	A39366	237.87	238.02	0.15	1250	50	164	1.3	8
FC-05-15	A39367	237.87	238.02	0.15	598	71	162	1.3	< 5
FC-05-15	A39368	256.41	256.62	0.21	35	6	50	< 0.3	< 5
FC-05-15	A39369	256.62	256.88	0.26	84	< 5	36	0.5	< 5