

**Ministry of Energy and Mines**  
BC Geological Survey

**Assessment Report**  
**Title Page and Summary**

**TYPE OF REPORT [type of survey(s)]:** Diamond Drilling

**TOTAL COST:** \$460,452.47

**AUTHOR(S):** Peter Holbek and Richard Joyes

**SIGNATURE(S):**

**NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):** MX-1-917

**YEAR OF WORK:** 2014

**STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S):** 5553867 2015/MAY/06 (\$460,000 Filed)

**PROPERTY NAME:** Fenton Creek

**CLAIM NAME(S) (on which the work was done):** FEN 10, FEN 1B

**COMMODITIES SOUGHT:** Gold, Silver, Lead, Zinc, Copper

**MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:** 93L 004, 248, 258, 291

**MINING DIVISION:** Omineca

**NTS/BCGS:** 93 L 2 W

**LATITUDE:** 54 ° 10 ' 0 "    **LONGITUDE:** 126 ° 55 ' 0 "    (at centre of work)

**OWNER(S):**

1) Electrum Resource Corporation

2)

**MAILING ADDRESS:**

912-510 West Hastings Street, Vancouver BC V6B1L8

**OPERATOR(S) [who paid for the work]:**

1) Copper Mountain Mining Corp

2)

**MAILING ADDRESS:**

1700 - 700 Wet Pender St

Vancouver BC V6C1G8

**PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):**

Felsic Volcanic rocks, Tertiary, flow dome complex, Tip Top Hill Volcanics, Ootsa Group, Telkwa Formation, Calderas, argillic alteration, silicification, epithermal mineralization

**REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:** 29792, 23769, 25909

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core 3164 m Total, 9 holes, NQ	FEN 10 (831179) FEN 1B (908409)	\$426,130.59	
Non-core			
RELATED TECHNICAL			
Sampling/assaying		\$33,831.88	
Petrographic			
Mineralographic		\$490.00	
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	\$460,452.47

**BC Geological Survey  
Assessment Report  
35533**

**2014 Diamond Drilling**

on the

**Fenton Properties**

**Tenure Numbers**

604208, 604210, 608164, 683145, 729443, 729502, 831179, 831223,  
831232, 831312, 831349, 831530, 834616, 841286, 841696, 844217, 845652,  
846049, 846450, 850428, 851928, 851930, 851931, 857332, 857333,  
857410, 857414, 865313, 865314, 906709, 908409, 909069, 909749,  
913269, 914909, 918549, 920762, 936578, 1021836, 102837

Mining Division: Omineca

NTS Map Sheet: 93 L 2 W

Latitude: 54° 10' N  
Longitude: 126° 55' W

Owner of Claims: Electrum Resource Corporation

Project Operator: Copper Mountain Mining Corp.

Report by: Peter Holbek, MSc., P.Geo.  
and  
Richard Joyes, BSc.

Date of Report: July 29, 2015

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## Summary and Conclusions

Intermittent exploration has been carried out in the area covered by the Fenton, Code and Pimpernel claims for almost 50 years. Workers were initially attracted to the area due to stream geochemical samples in Code and Fenton Creeks that were anomalous in zinc, silver and lead. The discovery and production of metals at the Equity Silver deposit and Owen Lake area provided additional impetus for exploration within the district. Over the years there have been many programs of geology, geochemistry and geophysics with a positive correlation between geochemical anomalies, geophysical highs and drill results. However, the drill results contained anomalous concentrations of metals but not economic grades (at the time of drilling), and therefore were deemed insufficient to continue with exploration. All of the historical drilling was to relatively shallow depths, usually between 60 and 100m, with the deepest hole being 155m.

Compilation of all the soil geochemistry in the area outlines an area that is approximately 1km north-south by 4km east-west that is anomalous in Ag, Pb and Zn. The shape of the geochemical anomaly is suggestive of glacial smearing in a westerly direction although early workers interpreted an easterly glacial direction. However, glacial striations on outcrop indicate that movement was in northeast-southwest orientation. The induced polarization (IP) geophysical survey carried out in 2013 and subsequent diamond drilling (documented in this report) indicate a reasonable source area for the geochemical anomalies.

The relatively large size of the geochemical anomalies could be attributed to glacial smearing of overburden from an east to west direction, or alternatively there could be additional mineralization that was too dispersed, too deep, or for some other reason failed to create a significant geophysical response that was detected by historical surveys. The mineralization on the Fenton claim is epithermal in style but carries significant base metals (Zn + Pb) and only low levels of the typical epithermal indicator elements (As, Sb, Hg, etc.), perhaps more indicative of transitional zone from epi- to mesothermal. Mineralization on the Fenton claim area, as interpreted from limited outcrop geology, historical documentation, and current geophysics and diamond drilling is typical of rhyolite flow-dome complexes associated with silver +/- gold, +/- zinc, lead or tin mines throughout the cordilleras of North and South America.

The geological setting of the Fenton and Code claims is interpreted to be a, Tertiary, felsic flow-dome complex, which is a favourable environment for epithermal style mineralization and the limited mineralization discovered to date has significance within this setting. Much of the historical work predates extensive work and documentation of epithermal systems, and therefore, the early exploration results may not have been correctly interpreted. There are, at least superficially, some similarities between Zn-Ag-Au mineralization in rhyolitic rocks at Fenton and those at Young-Davidson and Blackwater projects, situated 170km to the southeast. The Blackwater project began as a zinc-silver stream geochemical anomaly associated with felsic volcanic rocks and initial drilling encountered widespread, but low grade Ag-Zn-Pb mineralization, before potentially economic gold grades were encountered in deeper drilling. However, Fenton geology and mineralization also shares numerous

similarities with silver-zinc deposits in the Andes such as Coranni, San Cristobal, and many more, and may be a better fit for a high level expression of something along the lines of the Equity Silver (Sam Goosly) deposit.

This report documents the results of a two stage diamond drill program conducted in late May and October of 2014. Nine drill holes were completed for a total of 3,490m. Almost every metre of core was mineralized and the extent of mineralization correlates with the chargeability anomaly as defined by the geophysical survey of 2013.

Recommended future work includes extending the deep 3-D IP geophysical surveys to east and west-northwest of the present grid, as well as flying the area with an airborne Z-TEM survey in order to identify deep seated structures and higher concentrations of sulphide minerals.

# 1. Introduction

## 1.1 Location and Access

The Fenton, Code and Pimpernel properties (collectively, the Fenton project) are situated approximately 33km south of Houston, B.C. and 3km south of the Morice River on NTS map sheet 93L 2W (Figure 1.1, and 1.2). The Fenton project forms an approximate 7.3 by 5.1 km rectangle that straddles Fenton Creek with central co-ordinates of 635300E, 6003500N (NAD83 Zone 9; Lat: 54° 10' and Long 126°, 55'). The Pimpernel property is located just to the west of the Fenton property, forming an approximate square of 2.5 by 2.8 km, just north of Pimpernel Mountain, with central co-ordinates of 628400E, 6003400N.

The properties are easily accessed by Forest Service roads from Houston, B.C. All roads are easily observed on Google Earth images. The Morice River FSR (which is also the access road for Huckleberry Mine) departs from Highway 16 approximately 4km west of Houston. At the 28km mark the road forks, take the west branch for 3.5km and the Fenton Road branches to the south. Figure 1.3 shows claims overlain on a Google Earth image illustrating the location of forestry roads and cut blocks.

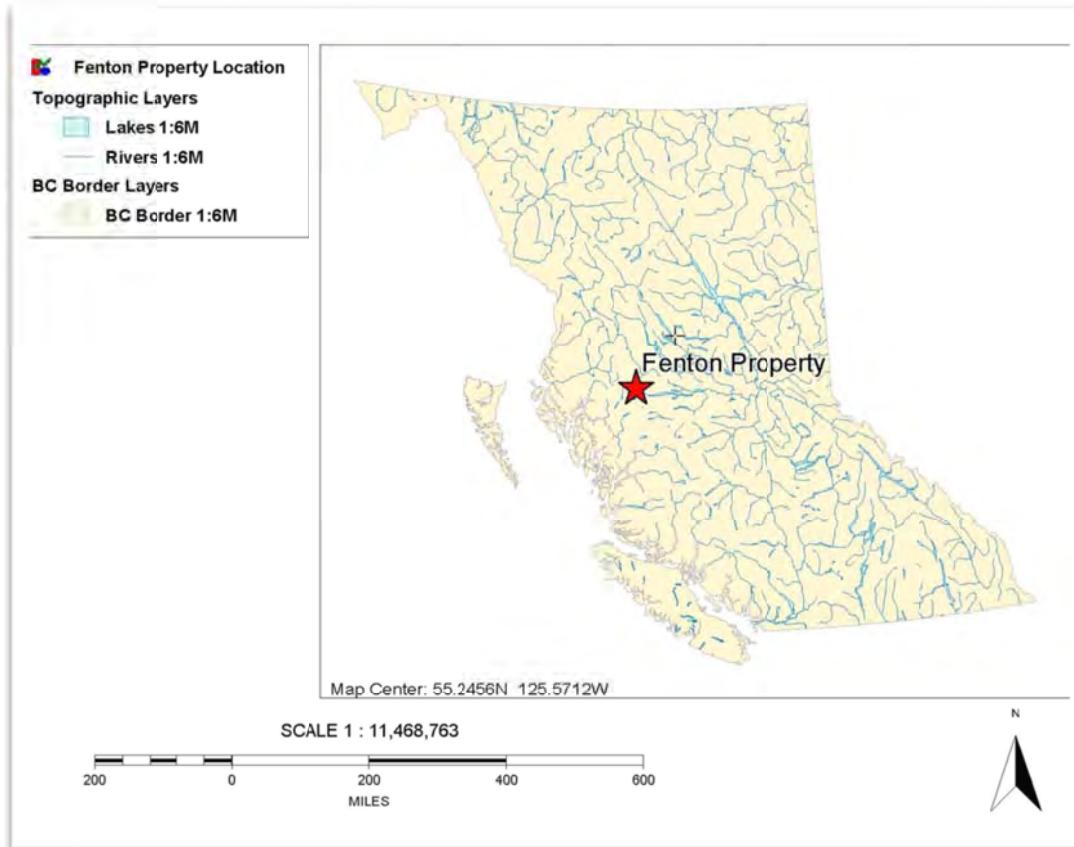


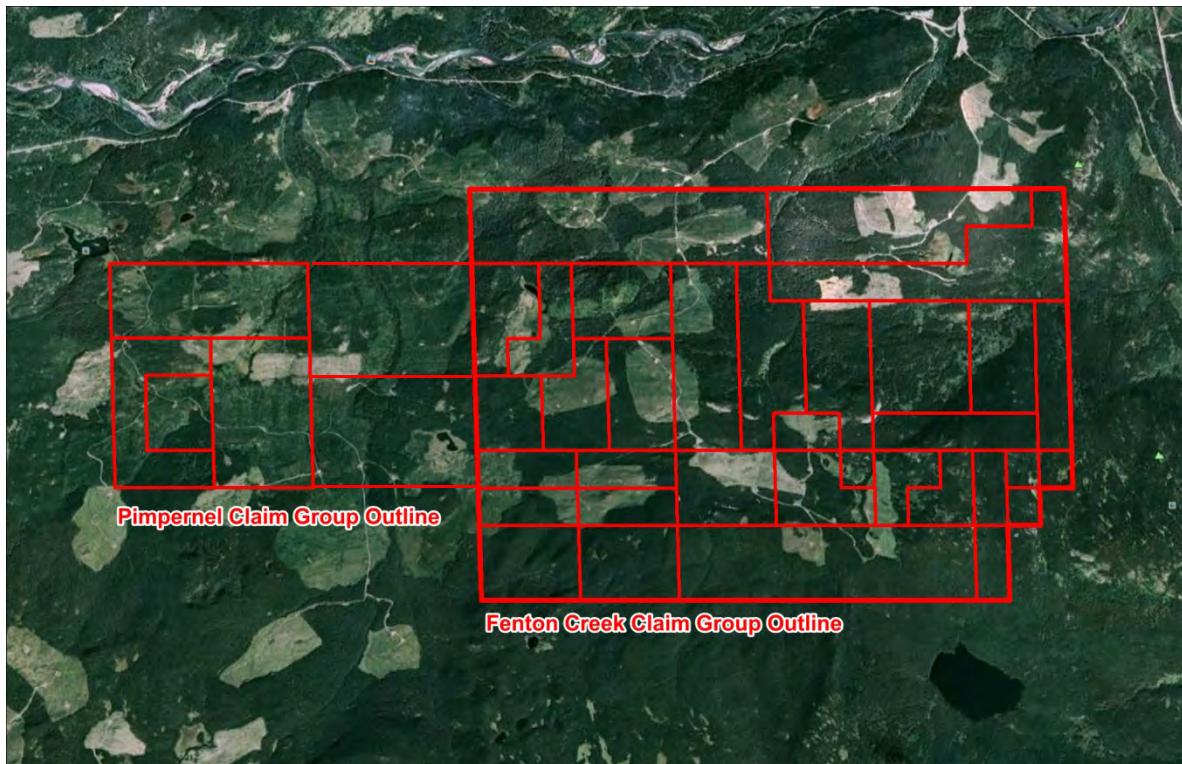
Figure 1.1 Project Location Map.

## 1.2 Climate and Physiography

The project area is at moderate elevations in north-central British Columbia, on the eastern side of the Coast Range Mountains. Climate is similar to that of Houston and Smithers with cold, but relatively dry, winters and moist, cool summers. Vegetation consists of spruce, fir and hemlock forests and relatively thick undergrowth. Climate is wet enough for abundant devil's club and slide alder. Southern facing slopes are slightly dryer and host densely packed wild rose, stinging nettles and tall grasses, where drainage through talus does not allow forests to grow. Some of the low lying areas are too damp for forest growth, with periodic flooding due to beaver activity, and support swamp and marsh flora.

Physiographically, the project area is situated on the northeastern edge of the Nechako Plateau. The property areas have low to moderate relief with elevations varying from 650m on the northwestern edge to 1340m on Tsalit Mtn., on the southeastern edge of the property. Much of the area has gentle topography and is blanketed by relatively thick deposits of glacial debris. On the northern edge of the property some creeks are deeply incised through what appears to be glacial debris, indicating depths in excess of 30m. The property hosts a number of steep sided hills, many of which are interpreted to be related to felsic volcanic vents.

Glacial direction is important for interpreting geochemical results. Church (1972) indicated that the last advance of the Cordilleran ice sheet, was easterly, averaging 94 degrees azimuth, as

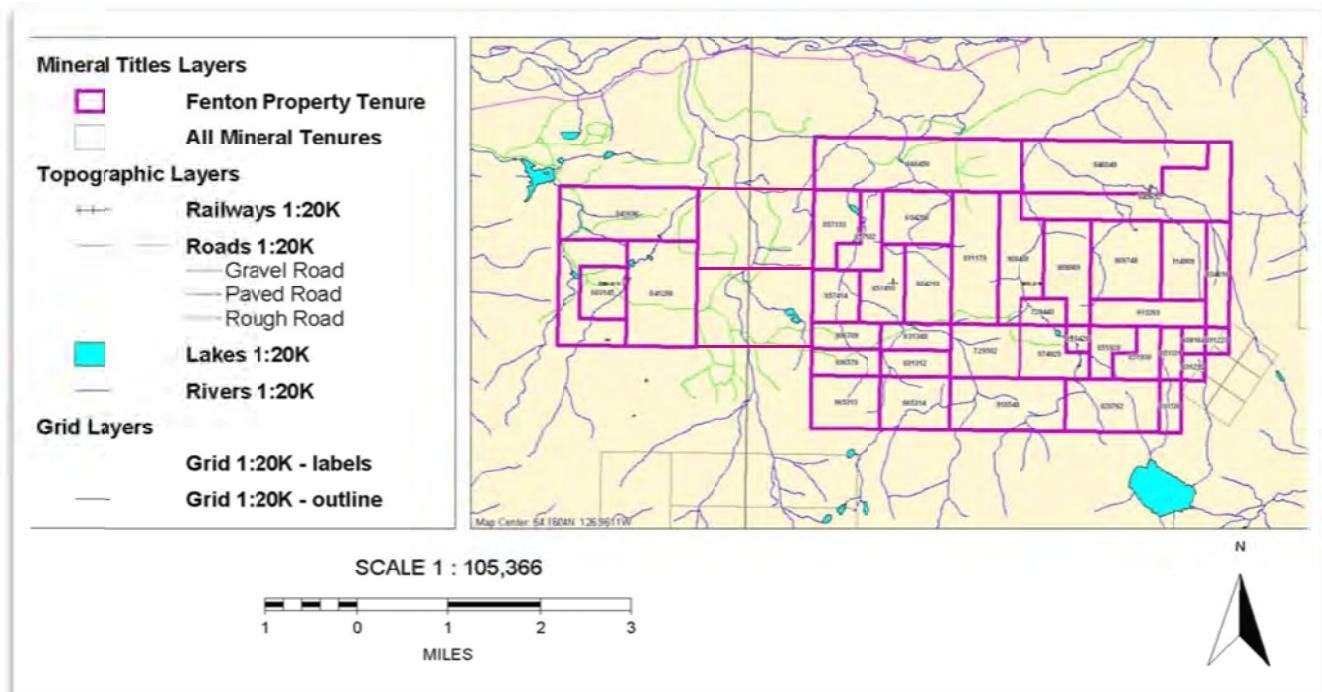


**Figure 1.2** Google Earth Image with Claim outlines.

determined from glacial striations and this is in general agreement with the Ice flow indicator compilation map for BC (Ferby and Hicken, 2013). However, geology and topography may have influenced ice flow locally and the potential for later directions material dispersion by mountain glaciers is also possible, as glacial striations measured on two outcrops near the north central part of the property area indicate a NE or SW ice movement. Air photo analysis suggests that current topography is the product of scouring by a large ice sheet and the larger glacial deposits are compatible with both, easterly or westerly flow directions. Current work and interpretation of soil and stream geochemical results is suggesting a westerly flow direction for the most recent period of glaciation.

### 1.3 Property Description

The mineral tenures or claims are listed in Table 1.1 and displayed in Figure 1.3. All mineral tenures are currently owned by Electrum Resource Corp. but are subject to a purchase option agreement with Copper Mountain Mining Corp.



**Figure 1.3 Plan of Mineral Tenure (claims)**

Tenure Number	Claim Name	Issue Date	Good to Date*	Area (Ha)
834616	FEN 14	2010/sep/30	2021/dec/13	75.75
831179	FEN 10	2010/aug/06	2025/nov/28	189.35
974929	FEN	2012/mar/30	2021/dec/23	94.71
683145	PIMP 1	2009/dec/10	2024/dec/26	75.75
604210	FEN 3	2009/may/09	2025/may/20	113.62
604208	FEN 2	2009/may/09	2025/may/19	113.62
846450	FEN 9	2011/feb/14	2025/sep/30	340.73
1021836	CODE 1	2013/aug/23	2020/dec/21	284.00
1021837	CODE 2	2013/aug/23	2020/dec/20	284.06
608164	FEN 6	2009/jul/18	2020/oct/04	18.94
729443	FEN A	2010/mar/17	2021/dec/05	37.88
729502	FEN B	2010/mar/17	2020/oct/02	113.65
841696	PIMP 2	2010/dec/23	2020/sep/07	227.19
831223	FEN 8	2010/aug/07	2020/sep/08	18.94
831232	FEN 7	2010/aug/08	2020/sep/09	18.94
831312	FEN 13	2010/aug/10	2020/sep/10	56.83
831349	FEN 4	2010/aug/11	2020/sep/11	56.82
831530	FEN 5	2010/aug/15	2020/sep/12	37.89
841286	PIMP 3	2010/dec/20	2020/sep/14	227.23
844217	PIMPERNEL 4	2011/jan/24	2020/sep/15	151.49
845652	TSALIT 6-8	2011/feb/07	2021/mar/16	246.10
846049	TSALIT 4-6	2011/feb/10	2021/mar/17	265.00
850428	FEN C	2011/apr/01	2020/sep/18	18.94
861928	FEN A	2011/apr/18	2020/sep/19	56.82
851930	FEN B	2011/apr/18	2020/sep/20	56.83
851931	FEN C	2011/apr/18	2020/sep/21	37.88
857322	FEN 9B	2011/jun/20	2025/mar/05	75.74
857333	FEN 9A	2011/jun/20	2025/mar/23	94.67
857410	FEN 10B	2011/jun/21	2024/dec/24	94.68
857414	FEN 10A	2011/jun/21	2020/oct/07	75.75
865313	FEN 4B	2011/jul/09	2020/aug/26	113.67
865314	FEN 4C	2011/jul/09	2020/aug/27	113.67
936578	FEN 13B	2011/dec/07	2020/sep/28	56.83
906709	FEN 4A	2011/oct/07	2020/sep/29	56.82
908409	FEN 1B	2011/oct/09	2025/nov/30	151.48
909069		2011/oct/10	2021/oct/01	132.55
909749	TSALIT 9	2011/oct/11	2020/oct/02	170.42
913269	TSALIT 5A	2011/oct/13	2020/oct/05	94.70
914909	TSALIT 5B	2011/oct/14	2020/oct/06	113.61
918549	FEN 11	2011/oct/19	2020/sep/07	189.45
920762	FEN 12	2011/oct/21	2020/oct/08	151.56

**Table 1.1 Claim Data (\*upon acceptance of this report)**

## 1.4 Property History

Both the district and the properties have long histories of exploration, with the most significant exploration taking place in the late 1970's and early 1980's just as the Equity Silver mine was entering production. Although the two claim areas have similar exploration histories, the claims were not always under the same ownership so a summary of the exploration histories will be listed separately for each property.

### Pimpernel:

The potential similarity of the geology in the Pimpernel claim area with the Equity silver area was recognized early, and likely resulted in Anaconda American Brass (Anaconda) conducting regional exploration in the district. Some initial exploration success started a long trend in exploration of which the highlights are documented below:

- 1970 Anaconda conducted regional geochemical surveys in the general area of the claims and located arsenic, zinc and mercury anomalies along the swamp in the center of the claim area.
- During 1971, Dr. B.N. Church of the B.C. Department of Mines mapped the area and described a 0.5 km diameter basic intrusive south of Morice River. The stock was identified as being chemically similar to the Goosley basic intrusive.
- In 1972, Perry, Knox, Kaufman & Associates optioned the ground from prospectors who had staked on the basis of Dr. Church's mapping. Field work by P.K.K. confirmed the earlier geochemical anomalies of arsenic-zinc, but mercury was not confirmed due to analytical difficulties. A Turam EM survey by Scintrex located a 1,000 metre strike length north-easterly trending, steeply dipping conductor.
- In 1973, two 90 m diamond holes were drilled to test the conductor. The drilling failed to intersect conductive material.
- By 1977, the property was picked up by Aquitaine Company of Canada Ltd. They reinterpreted the 1973 Turam data and recognized that the conductive body probably dips to the north-west and thus the 1973 drill holes had been drilled in the wrong direction. Aquitaine re-logged the core and found that Hole 73-1 had intersected a highly altered zone with 1-2% sulphides in fractured, fine grained tuffs. In March 1977, Aquitaine commissioned a Max-Min I1 survey on three 100m spaced NW-SE lines, running across the area of the original Turam conductor, and located a moderately conductive anomaly striking north-easterly and dipping to the north-west. In October 1977, the Scintrex airborne HEM 801 system was flown across the property and Aquitaine also drilled the Turam conductor from the north-west. Hole 77-1 (154.6m) intersected both massive and fracture filling pyrite with an aggregate thickness of 8m over a 31 metre core length. Several sections of the pyrite were assayed, with the best result being a 60cm zone which assayed 11.6g/t Ag, trace Au, 0.17% As and 0.005% Cu.

- In 1978 Max-Min EM and magnetic surveys located another deep seated conductor (on the Fry claim) but drill testing of this hole intersected a fault zone interpreted as the cause of the conductor and intersected a few pyrite stringers.
- In 1979, the claim group was optioned by the Catre-Ben JV, who commissioned an Aerodat airborne EM survey, resulting in six conductors which appear to be on trend to the south-west of the 1973 Turam anomaly, and on the northern flank of the Gabbroic stock. Follow-up ground geophysics consisting of Max-Min and magnetometer surveys were carried out in 1980.
- Additional work including geochemical sampling and geological mapping plus trenching located one quartz stringer in outcrop from which a sample assayed 2.03% Cu, 3.7g/t Ag and 0.06g/t Au.
- In 1983 Zastavnikovich conducted programs of geochemical stream sediment sampling and outcrop rock chip sampling.
- By 1984, the property was controlled by Petrostone Resources. Over the next few years Petrostone conducted sporadic exploration programs of geochemistry, heavy minerals, compilation, and litho-geochemistry.
- In 1989 four diamond drill holes were drilled with moderately positive results in two of the holes (1.75m grading 0.98% Zn and 0.86% Pb and 2.0m grading 1.23% Cu and 40g/t Ag).
- Since 1990 a number of smaller exploration programs, including another Max-min survey (Candy, 1997) and soil and heavy mineral surveys but no further drilling.

#### **Fenton (including Code claims):**

The exploration history of the Fenton property was recently summarized by Ronning (2008) who relied on information from Church (1972) and from company reports. It is summarized below:

- 1965: Julian Mining Company located a block of 20 claims in response to the discovery of silver-lead-zinc geochemical anomaly on Code Creek.
- 1966 to 1971: Anaconda American Brass Ltd. explored the property using numerous geochemical, geophysical and geological techniques. Physical work included line cutting, bulldozer trenching and construction of access roads. The latter are now largely unusable.
- 1972: Helicon Explorations Ltd. picked up where Anaconda left off with geophysical and geochemical surveys. Helicon concluded with a 25 hole drilling program that exceeded 3,350 meters.
- 1977: Mattagami Lake Exploration Ltd. began exploration that was to last several years and included various types of geophysical surveys and a soil survey. A small drilling program was done in 1978.
- 1980 to 1981: Vital Mines Limited and Mattagami Lake Exploration did a 1,691 meter core drilling program.
- 1983: Mattagami terminated its involvement in the project and a new option agreement was reached between Vital, Anaconda and Cominco Ltd.
- 1984: Cominco did induced polarization, magnetic and electromagnetic surveys and did 1,411 meters of percussion drilling in 22 holes.
- 1985: Vital did soil sampling, magnetometer and VLF electromagnetic surveys, and drilled six core holes aggregating 824 meters.

- 1986 to 1994: Baril Developments Ltd., a company associated with Electrum Resource Corporation, did various geophysical and geochemical programs for the purpose of assessment work.
- 1995: Consolidated Samarkand Resources Inc. entered into an option agreement with Baril Developments. Samarkand did a geological reconnaissance program (Cheng, 1996) that consisted of data compilation and field work.
- 1996: Samarkand did a 61-kilometer line cutting program, and collected 3,254 soil samples (Brown, 1998a).
- 1997 to 1998: Samarkand continued compilation work, processed and interpreted geochemical data, collected 24 additional soil samples and 8 rock samples (Brown, 1998b).
- 2008: Electrum Resource Corp. conducted relatively large soil geochemical survey on the northeastern part of the Fenton Claim (Ronning, 2008)
- 2012: Copper Mountain carried out a mapping and prospecting program resulting in a re-interpretation of the geology (more along the lines of Church's interpretation) and determined that the rhyolite flow-dome complex together with past exploration results supported the potential for bulk tonnage epi-thermal silver-gold mineralization similar to that of the Blackwater deposit. (Holbek and Joyes, 2013)
- 2013: Copper Mountain carried out a program of 55 shallow (30m) percussion drill holes at 100m intervals along existing logging roads, 4.8km of line cutting along 4, 300m spaced grid lines and conducted an 3-D IP and Resistivity Survey on the grid as well as adjacent roadways. This work highlighted a 600m by 1000m egg-shaped chargeability anomaly within the grid area.

## 1.5 Work Program

The objective of the current work program was to drill test the combined chargeability and resistivity anomaly. An initial program of 3 diamond drill holes was carried out in late May, 2014. The drill holes were drilled from the existing logging road at sites where percussion drilling had previously taken place. A total of 1,335m were drilled. All drill-core was mineralized and holes were split from top to bottom in 2m intervals and samples were analyzed by SGS laboratories in Vancouver. The initial results were encouraging and a second phase of drilling was initiated in October which consisted of six holes drilled from three locations: five holes were drilled approximately 350m and 450m east of the previous drilling, and the final hole was drilled on the logging road in the vicinity of the initial drilling. The second phase of drilling, which totaled 1,559m was carried out using a tracked all-terrain vehicle and helicopter-style wood drill pads such that only access trails, rather than roads were used and no, potentially merchantable, timber was felled. All drilling was performed by Hy-Tech Drilling of Smithers, B.C.



**Plate1:** All-terrain vehicle and drill pad in a natural clearing.

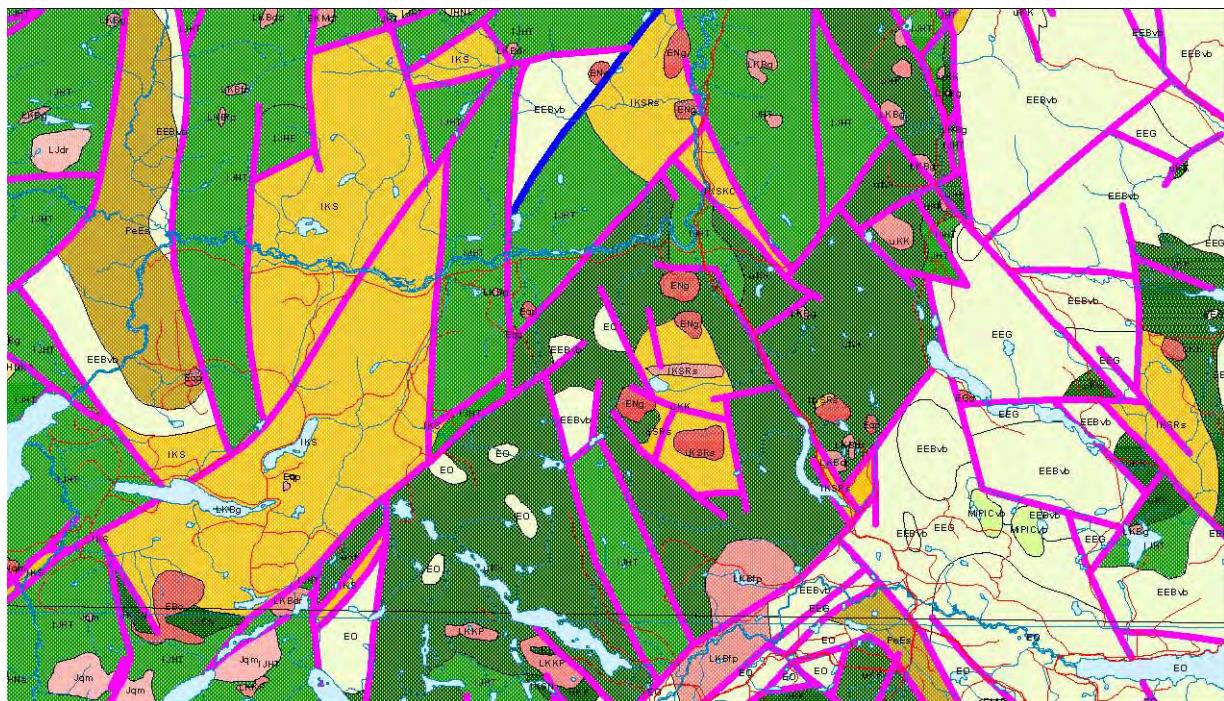
## 2. Geology and Mineralization

### 2.1 Regional Geological Setting

The project area is situated on the eastern flank of the Coast Range in the southern part of the Skeena arch, an ‘uplifted’ area of Mesozoic to Tertiary volcanic rocks, related intrusions, and derived sedimentary rocks, that forms a wedge shaped area within the west-central part of the Stikinia tectonic terrane. The Skeena Arch separates the Bowser Basin to the north from the Nechako Basin in the south. The Nechako Basin (Struik and MacIntyre, 2001) is a large area hosting widespread Early to Late Tertiary volcanism. Tectonic deformation in early Cretaceous time resulted in extensive block faulting of the Skeena Arch with principle directions of breakage along northeast and northwest trends. These faults appear to have been defined, at least in part, by airborne magnetics as illustrated in the regional geological map (Figure 2.1) and regional magnetics (Figure 2.2) and extend into the Nechako Basin within the area of interest.

Bearing in mind that the map displayed in Figure 2.2 is “high level” generalization and does not hold up particularly well at the property scale, the main rock groups of the region, from oldest to youngest are:

- Subaerial, with lesser submarine calc-alkaline volcanic, volcani-clastic and sedimentary rocks, and possibly minor flows, of the **early to middle Jurassic Hazelton Group**, particularly the Telkwa Formation of the Hazelton Group.



### Legend

#### *Volcanic Rocks*

- |  |   |
|--|---|
| <span style="background-color: #f0e68c; border: 1px solid black; padding: 2px;">EEBvb</span> | Endako Group (Buck Creek Fm) - Basaltic volcanic rocks      |
| <span style="background-color: #ffffcc; border: 1px solid black; padding: 2px;">EO</span>    | Ootsa Lake group - Rhyolite/felsic volcanics                |
| <span style="background-color: #008000; border: 1px solid black; padding: 2px;">uKK</span>   | Kasalka Group - Andesitic volcanic rocks                    |
| <span style="background-color: #ffd700; border: 1px solid black; padding: 2px;">IKSRs</span> | Skeena Group - Coarse clastic sedimentary rocks             |
| <span style="background-color: #9acd32; border: 1px solid black; padding: 2px;">IJHT</span>  | Hazelton Group - (Telkwa Fm) - Calc-alkaline volcanic rocks |

#### *Intrusive Rocks*

- |   |  |
|---|--|
| <span style="background-color: #ffcccb; border: 1px solid black; padding: 2px;">Eqp</span>  | Eocene quartz-phyric, felsitic intrusive rocks |
| <span style="background-color: #ffcccb; border: 1px solid black; padding: 2px;">LKBg</span> | Bulkley Plutonic Suite - Intrusive rocks       |

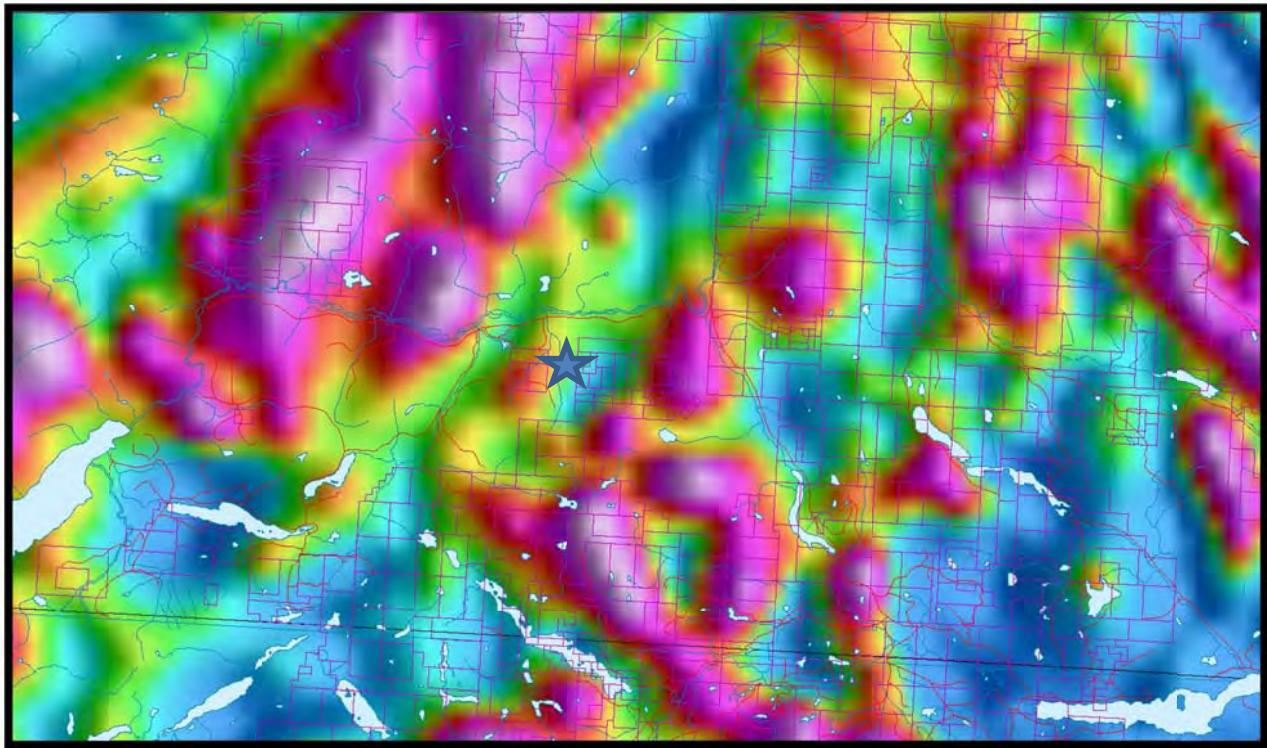
**Figure 2.1: Regional Geology**

- **Lower Cretaceous** marine sedimentary and volcanic sequence of the **Skeena group** consisting of porphyritic andesite flows, and black shales interbedded with volcanic tuffs and breccias.
- **Late Cretaceous** continental volcanic succession of porphyritic andesite, associated volcaniclastic rocks and rhyolite to dacite extrusive rocks and intrusive equivalents of the **Kasalka Group**.

- **Eocene Ootsa Lake Group**, a continental volcanic succession dominated by felsic rocks including rhyolite flow-dome complexes, rhyolite breccias, crystal and crystal-lithic tuffs, and minor andesite to basalt flows.
- **Miocene Endako Group**, andesite to basalt flows and associated epi-volcaniclastic rocks.

Historically, nomenclature of volcanic rocks in the region is somewhat confusing due to different naming conventions by different mappers in different areas, the lithological similarities between the volcanic successions, and limited geochronological data. The Ootsa Lake Group was originally defined by Duffell (1959) and included most of the post Hazelton volcanic rocks (Cretaceous to Late Oligocene). The Ootsa Group was subsequently divided into lower and upper andesite and rhyolite units by Tipper (1963) and others working in the Whitesail Lake and Fraser Lake areas. Most of the more detailed mapping in the project vicinity was undertaken by Church (1972, 1973) and Church and Barakso, (1990). Church (1972) correlated the informally named Fenton volcanic rocks of the property with the Buck Creek Assemblage located towards the Equity Silver area. More recent work, particularly with geochronology has subdivided the continental post Mesozoic volcanism in the Nechacko Basin into three subdivisions, as outlined above, the Late Cretaceous Kasalka Group, the Eocene Ootsa Lake group and the slightly younger Miocene Endako Group. In the field, it is difficult to distinguish these volcanic groups on the basis of lithology alone and geochronological constraints of some sort are required, although it would appear that flow-dome complexes are most commonly a characteristic of the Ootsa Lake Group. The compilation by GeoScience BC available on Map Place, included above as Figure 2.1, suggest that most of Fenton property is underlain by rocks of the Kasalka Group with small Eocene intrusions, possibly corresponding to Church's 49Ma date on the Fenton rhyolite. There is a small area near the head waters of Code Creek where outcrops of a red matrix, polymictic conglomerate that match the description of the base unit of the Kasalka Group (MacIntyre, 1985), however our preliminary mapping suggests a majority of the property area is underlain by rocks of the Ootsa Lake Group.

Nomenclature used by Church (1970, 1971, 1973, and 1990) were applied to discrete volcanic centers but recent geochronological work allows them to be sorted into the more general formations described above and thus the Tip Top Hill volcanic rocks are part of the Kasalka Group (Leitch *et al*, 1991); the Fenton and Goosly volcanic piles are most likely part of the Ootsa Lake Group; and the Buck Creek volcanic rocks are part of the Endako Group.



**Figure 2.2** Regional Airborne Magnetic Image. Note the strong linear features oriented in northeasterly and northwesterly directions. The Fenton property is located in the center of the image as denoted by the star.

## 2.2 Regional Metallogeny

A considerable amount of exploration work has taken place in the region, driven primarily by the discovery and mine development of the Nadina (Silver) Queen mine by Owen Lake, 19km to the southeast; the Equity Silver (Sam Goosly) mine, 45km due east; the Poplar Lake porphyry Cu-Mo deposit, 20km to the south (figure 2.1) as well as a number of Cu-Mo porphyry deposits to the southwest, with the most prominent example being the Huckleberry mine, 55km to the southwest. Perhaps of somewhat lesser significance, are small deposits and historical silver workings in the Telkwa Range, 30km to the north-northwest. There are a number of gold-silver prospects and deposits associated with Cretaceous to Tertiary felsic volcanism within the region, of which the most significant is the Blackwater deposit, which is located 168km to the southeast of the project area.

Porphyry copper (+/- Mo, Au, Ag etc.) deposits in the area are commonly associated with the Bulkley Intrusive suite (Carter, *et al*, 1995) a wide-spread group of intrusions of Late Cretaceous age. The closest known porphyry deposit is the Poplar Lake deposit (Indicated resource of 171 million tonnes grading 0.28% Cu, 0.008% Mo, 0.08g/t Au and 2.3g/t Ag and Inferred resource of 209 million tonnes grading 0.23% Cu, 0.004 Mo, etc. (Giroux, 2011)) which is located 20km due

south of the Fenton property. The deposit is hosted by a biotite, feldspar-phyric monzonite, which intruded Hazelton volcani-clastic rocks including a large component of clastic sedimentary rocks. Alteration consists of a potassic core and a large propyllitic halo with only minor argillic alteration (House and Ainsworth, 1995). The deposit was discovered by prospecting as mineralization is exposed at surface but soil geochemistry was also effective. The host intrusion appears to be a vertical to inclined cylinder with surface dimensions of 1 x 2km. A number of subordinate intrusions are also present nearby.

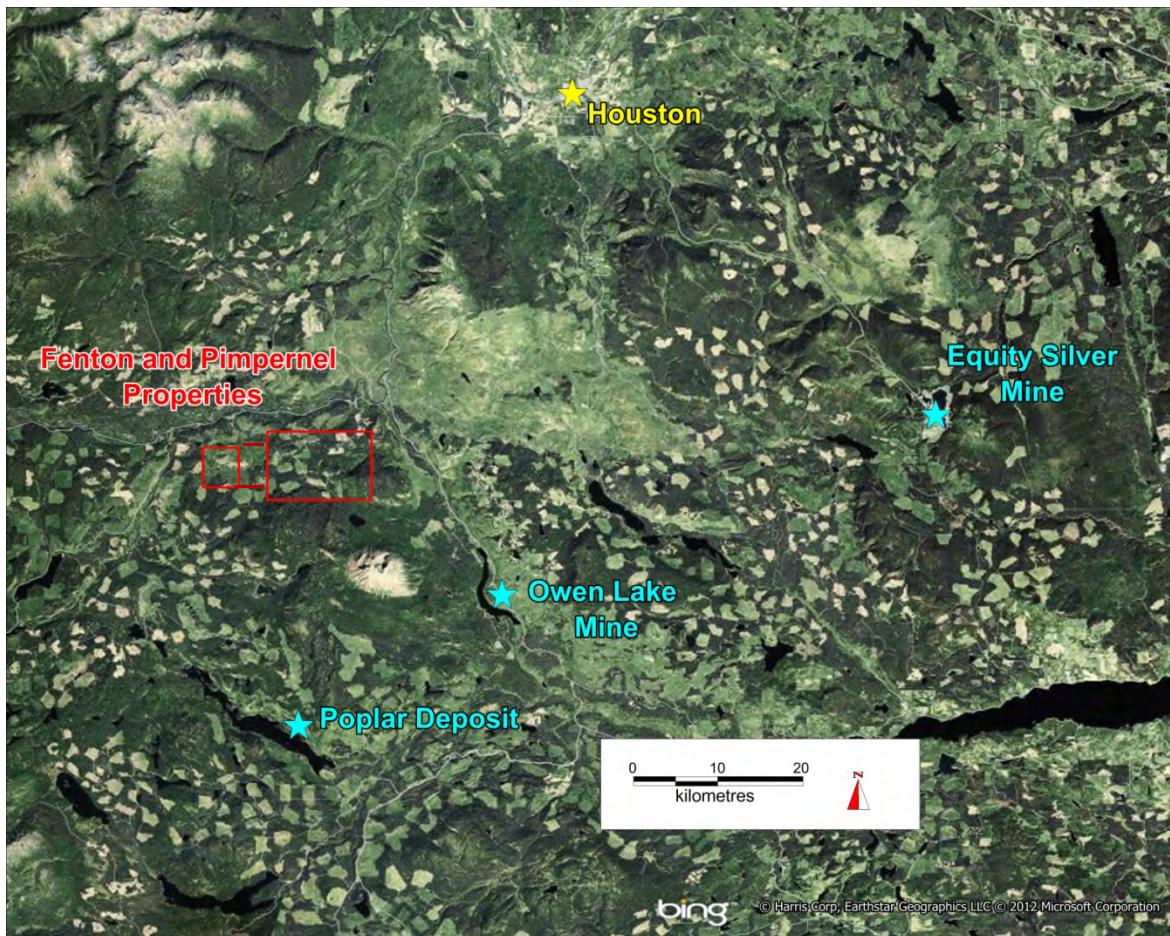


Figure 2.3: Location of most significant deposits in project vicinity.

The Equity Silver deposit is somewhat unique, both in form and content, being an intrusive related, polymetallic, disseminated to massive sulphide replacement, deposit. The origin of the deposit remains controversial and will not be discussed here in detail. The mine, which closed in the late 80's, had pre-mining published reserves of 39.5 million tonnes grading 0.89g/t Au, 95.4g/t Ag, 0.33% Cu, 0.085% Sb (Church and Barakso, 1990) as well as undefined but abundant As and some Zn. The deposit was mined in two parts: the Southern Tail ore body and the main zone ore body. Mineralization in the Southern Tail is relatively high-grade and coarser grained

sulphide mineralization in a zone 900m long and 40m wide with a moderate dip to the northwest; this zone was mined to a depth of 60m, although mineralization extends deeper, and produced 6.8mt grading 1.3g/t Au, 121g/t Ag, 0.48% Cu and 0.085% Sb. The Main zone deposit located about 500m to the northeast of the Southern Tail, is an ovoid shaped zone of fine grained disseminated sulphide mineralization with abundant small lenticular zones of very fine-grained massive sulphide. Mineralization is hosted by moderately dipping sedimentary strata adjacent to syeno-monzonite-gabbro (Goosly) intrusion(s) of Tertiary (~50Ma) age. The sedimentary host rocks are part of the Hazelton Group exposed in an erosional window within extensive Tertiary volcanic material. Both mineralization and alteration appear to be multi-episodic and the alteration suite of minerals is indicative of relatively high temperature.

The Nadina (Silver) Queen deposit is an epithermal vein deposit with a number of vein systems hosted by the Mine Hill microdiorite which is suspected of being a subvolcanic feeder for the Upper Cretaceous Tip Top Hill andesite (Church and Barakso, 1990). The above authors also point out that the Tip Top Hill rocks overlie rhyolite pyroclastic beds that are thought to be correlative to rocks dated at 78.1 Ma in the Bob Creek area, and therefore different from the rhyolite at Fenton Creek with a date of 48.9Ma (Church, 1972). However, Leitch et al. (1991) provide radiometric dates of both pre and post-mineral dykes at the Nadina Queen demonstrating an Eocene age for the mineralization. Mineralogy of the Silver Queen veins includes sphalerite, pyrite, chalcopyrite, tetrahedrite and galena in a gangue of microcrystalline silica, carbonates, particularly rhodochrosite, and some barite. Vein grades, as published in reserves in 1988, were 1.72 million tonnes carrying 2.7g/t Au, 328g/t Ag, 6.19% Zn (older reserve statements also included ~1.5% Pb and 0.5% Cu at similar precious metal grades). Alteration peripheral to the veins is variable but can be locally be intense sericite (+/- clay) and carbonate development that extends up to a few metres away from the vein contact (Marsden, 1985).

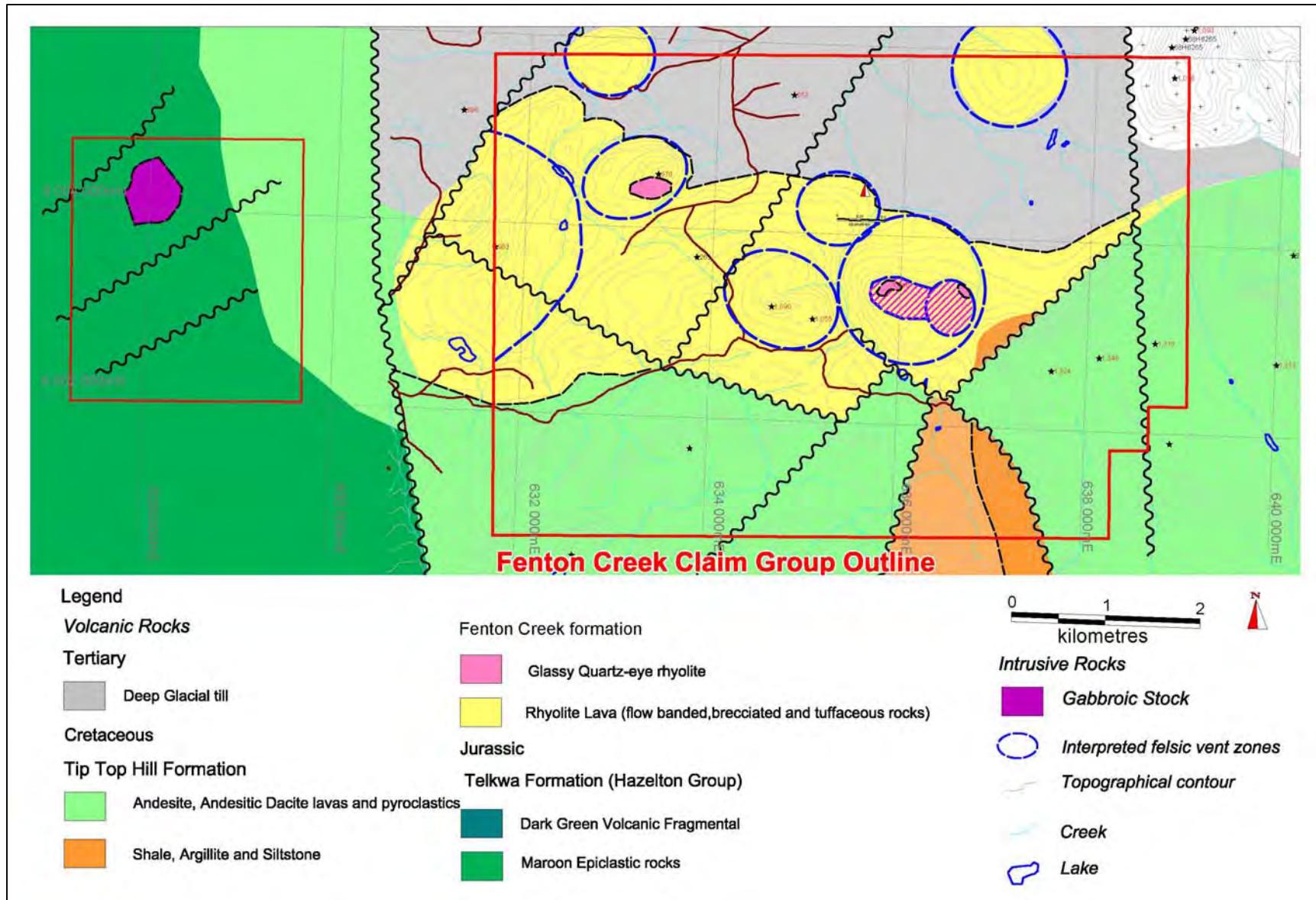


Figure 2.4 Interpreted Geological Plan Fenton and Pimpernel Properties

## 2.3 Property Geology

Overall, outcrop in the project area is less than 8% and geological contacts are seldom, if ever, exposed. Matching rock descriptions from historical reports with field observations is difficult, primarily because most of the earlier workers did not recognize or had limited experience with un-metamorphosed felsic extrusive rocks. It is also difficult to match the rock units into Formations and the nomenclature used by regional mappers due to the similarity between many of the younger volcanic sequences documented to the east (Church 1972).

There appears to be three main rock groups in the project area. The oldest rocks are most likely part of the Telkwa Formation of the Hazelton Group and occur on the western part of the Pimpernel claim area, but could also be part of the Kasalka Group and further detailed mapping is required to determine this. The next group is a rhyolite flow-dome complex that is best exposed in the central part of the Fenton claim area, termed the Fenton volcanics by Church. The flow-dome complex is very similar to other occurrences to the south and in the Whitesail map sheet where they are mapped predominately as Ootsa Lake Group volcanic rocks, they also appear to be descriptively similar to rocks that Church placed as the base of the Francois Lake Group in his map of the Buck Creek Tertiary Outlier. The (presumed) youngest rocks in the map area are mafic to felsic (trachy-andesite and dacite) volcanic flow and pyroclastic and/or epiclastic rocks that closely match the Church's description of both the Tip Top Hill and Buck Creek formations, but based on our overall analysis would be a better age fit with the younger Buck Creek formation. Although the rocks observed on the Fenton property match the description of Tip Top Hill volcanic rocks in the Owen Lake area (Church, 1990) and are in relative spatial proximity, the reported age of 49Ma for the Fenton Ck. Rhyolite (in contrast to the ~70Ma rhyolite mapped at Owen Lake) suggests that the rocks should be assigned to the Ootsa Lake Group. Church points out that the Fenton Creek rhyolite is comparable in age and chemistry to latite dykes that are part of the Goosly intrusive suite; this could indicate that the Fenton flow-dome complex may be intrusive into the Tip Top Hill/Kasalka volcanic rocks.

A major feature of the project area is topographic preservation of volcanic vents, domes and possibly even a large caldera. Four major topographic/geological features to the northeast, east, southeast and south of the project area are: the Owen Hill, a granitic dome; Tsalit Mtn. which appears to be a sub-volcanic intrusive (neck?); Nadina Mountain – a mix of volcanic and intrusive rocks, and Pimpernel Mtn., which appears to be a volcanic vent with a small lake in the collapsed center. In between these features is a large partially truncated structure that appears to be a caldera structure with gentle collapse towards the center. The northern edge of the outer ring of this feature forms the southern part of the Fenton claim area and small scarps provide the best outcrop of trachyandesite (?) flows and related volcanic rocks.

Numerous small circular features are evident in the Fenton rhyolite unit (figure 2.2) which provide good locations for outcrop, and are interpreted to be vent and or dome-top features in an intrusive-extrusive flow-dome complex. Additional subdued circular features extend to the north of the Pimpernel claim, and as such this area is unlikely to be entirely Telkwa Formation as indicated in the regional map.

A more detailed description of the observed rocks is as follows:

- 1) *Telkwa Formation*: the western part of the Pimpernel claim is underlain by these rocks where, both dark green fragmental rocks, commonly with chloritic alteration and some outcrops of faintly bedded dark maroon tuffaceous rocks. One of the earliest workers on the property (Salat, 1978) mapped out a contact between these units which appears reasonable and implies an almost horizontal bedding contact. Additional, but similar, lithologies can be seen in float or subcrop but source of this material is uncertain. Drill logs for the area are a bit perplexing and taken at face value seem to suggest that some of the units from further east 'stray' over into the drilled area, however there are some significant lineaments between the Fenton and Pimpernel claims that we have interpreted as faults which separate the geology of the two areas although the upper volcanic unit occurs on both properties. The upper unit appears much "fresher" and is less indurated than the Telkwa units and lacks what appears to be low-grade (prehnite-pumpellite facies) metamorphic character observed in the presumed Telkwa rocks.
- 2) *Fenton Creek Rhyolite*: Surface mapping and all of the current drill core confirms that all of the rocks of this unit collectively form a field of flow-dome complexes. There are a number of small exposures of this unit in roads and road cuts and road quarries but the best exposures are in the small hills (Mineral hill, Silicic hill, Black Quartz hill) that appear to be late-stage vent zones. Although each of these hills is slightly different, they all have generally cylindrical zones of more massive, glassy, quartz eye rhyolite poking up through flow banded, and flow- top brecciated rhyolite. 'Black Quartz' and 'Silicic' hills appear to have three possible generations of vents. At mineral hill a small zone (30 x 75m) of dark brown, pyritic, quartz eye rhyolite is intrusive into flow banded and brecciated rhyolite. Flow banding is semi-vertical along the southern edge of the "chocolate" rhyolite but only gently dipping to flat on top of the hill and steepens away from the hill top in all directions. Brecciated rhyolite along the south-east face of the hill could represent a vent breccia, but it could also be flow-top breccia (created by breaking up of the cooling and hardening surface) that has been steepened adjacent to the intrusion. Flow-top breccias can have either angular or rounded fragments depending upon the velocity of the underlying flow.

Rhyolite of the flow-dome complex can have a large range of textures and colours depending upon whether it was fully extruded and exposure to atmosphere, water,

acidic gases etc. There is some evidence of tuffaceous material as to the south of Mineral hill, at the road intersection, a small quarry for road material has been blasted into rusty weathering, pale brown quartz-feldspar crystal tuff (?) with 1% finely disseminated pyrite. No additional outcrops of this rock type were found but it figures prominently in the drill core. In some outcrops, generally peripheral the areas of anomalous soil geochemistry, very fine crystals of biotite can be observed, whereas in the area of anomalous soil geochemistry the flow-banded rhyolite carries disseminated pyrite and rarely sphalerite and galena. Outcrop along the road in the central claim area, and just within the confines of the geophysical anomaly, commonly displays excess quartz which forms micro veins and microbreccia veins with dark grey siliceous matrix, sometimes with visible sulphide mineralization (pyrite and sphalerite). These siliceous zones appear to fade in and out and may be a natural occurrence within the rhyolite, (particularly where there are no quartz crystals) or they may zones of hydrothermal silicification. Proximal to the geophysical anomaly siliceous or silicified rhyolites tend to carry anomalous precious metals but in other areas the rocks are uniformly barren in both surface and percussion drill samples. Much of the rhyolite outcrop on the property has the appearance of being argillically altered. This may be in part a weathering phenomenon but the presence of kaolinite, illite and muscovite has been confirmed within the drill core by hyperspectral analysis indicating that a reasonably large area has undergone hydrothermal alteration.

3. Basalt-Andesite Flow unit: This ‘unit’ was only examined on talus slopes and scarp along the southern part of the Fenton claims, where very fine-grained dark grey-brown rock, interpreted to be andesite (but no geochemical or mineralogical evidence beyond a weak magnetism) flow material occurs. The rock appears unaltered and relatively fresh. Weakly weathered surfaces suggest that fine trachytic feldspar laths are present. Mowat (1982) carried out a reasonably detailed examination of the rocks forming southwestern corner of the Fenton claim and we have incorporated some of her lithological contacts in this area. Of interest is the fault-bounded shale unit that appears to underlie the basalt to andesite flow rocks. Mowat mapped pink granite (Nanika intrusions) intruding the shale rock. Other reports have this area as sandstone. A few traverses could probably sort this area out which would be helpful in terms of defining the geological history of the area. The swampy area where all of these units come together, presumably in fault contact, is the site of some 12 shallow percussion drill holes that were conducted by Stokes (1976), the results of the drilling were not included in the Assessment Report. Drilling logs from holes drilled within the rhyolite by Matagami Mines commonly indicate the presence of “andesite” or other mafic volcanic rocks. It is not clear whether these are indeed mafic or just dark coloured felsic rocks. If they are actually mafic rocks and are interlayered with the rhyolite this would be further evidence that all the younger volcanic rocks are part of single volcanic event and would

provide strong evidence that most of the project area is underlain by Ootsa Lake Group rocks similar to the Goosly Lake sequence.

4) An additional map unit included on Figure 2.2 is ‘deep glacial deposits’. The glacial material consists of boulder till as well as glacial-fluvial sand. The till contains 50% boulders up to metre size and includes an assortment of weathered granitic rocks suggesting a source in the Coast Mountains. Pits for road construction and a deeply incised creek with till banks, suggest that this material can be very deep (+10m to +30m) and therefore interpretation of soil geochemistry and to a lesser extent, geophysics needs to take this into account. Some of the drill holes indicated in excess of 30m of overburden.

### 3.0 Geochemistry and Geophysics

Numerous soil geochemical surveys have been undertaken on the property, with the most comprehensive survey being carried out in 2007 (Ronning, 2008). A compilation of the major soil geochemical surveys is presented in Figure 3.1a, below.

Geochemical anomalies display a strong east-west distribution, but percussion drill holes along the logging roads only yielded anomalous bedrock geochemistry in the north eastern part of the property, which is suggestive of glacial transport of anomalous material in a westerly direction. The eastern area of anomalous geochemistry correlates well with the location of the chargeability anomaly within which diamond drilling has demonstrated the presence of abundant disseminated and veinlet sulphide mineralization. Historical drilling also indicates that at least some of the bedrock in the central part of the geochemical anomaly is also sulphide bearing.

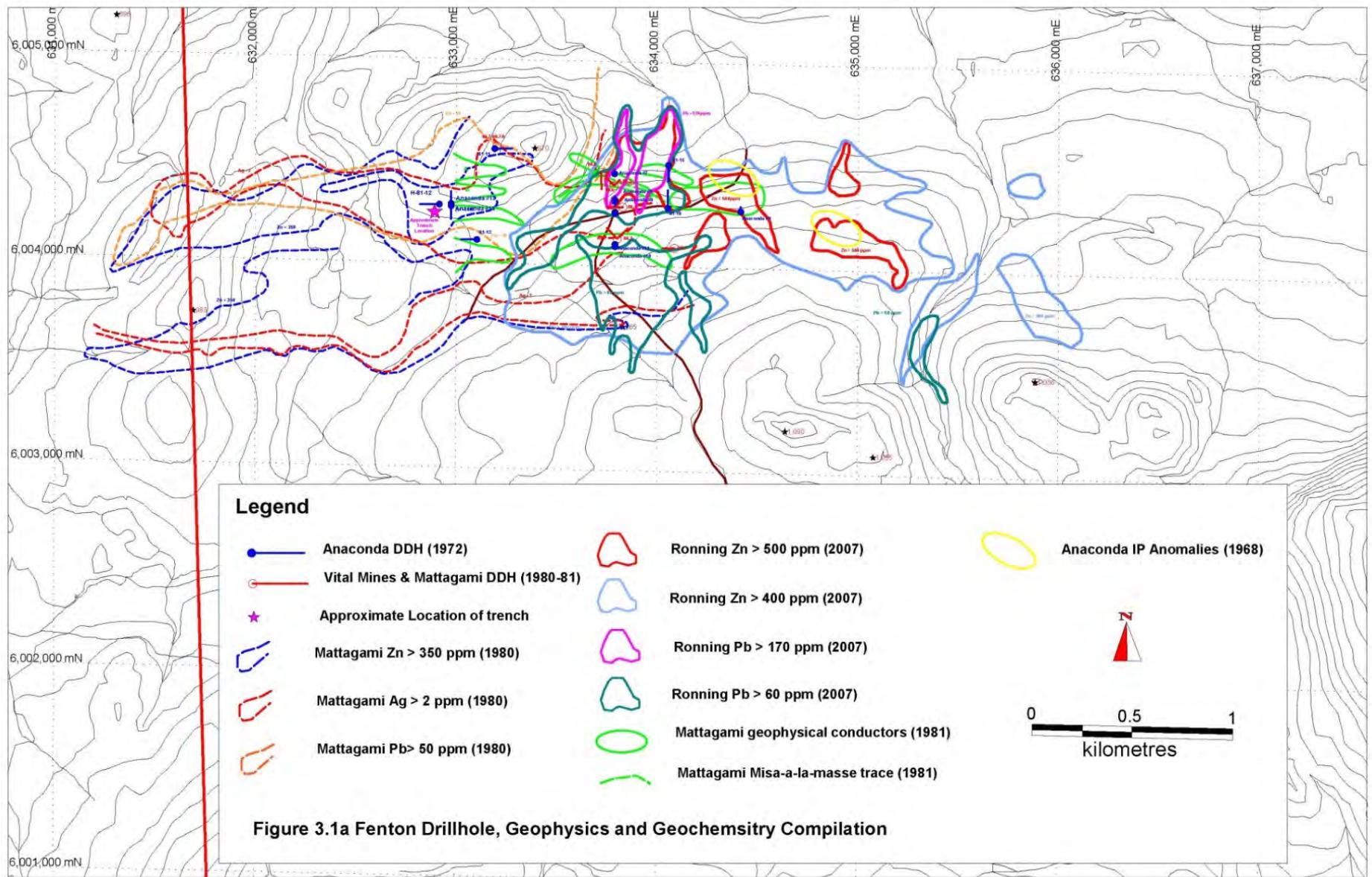


Figure 3.1a Fenton Drillhole, Geophysics and Geochemistry Compilation

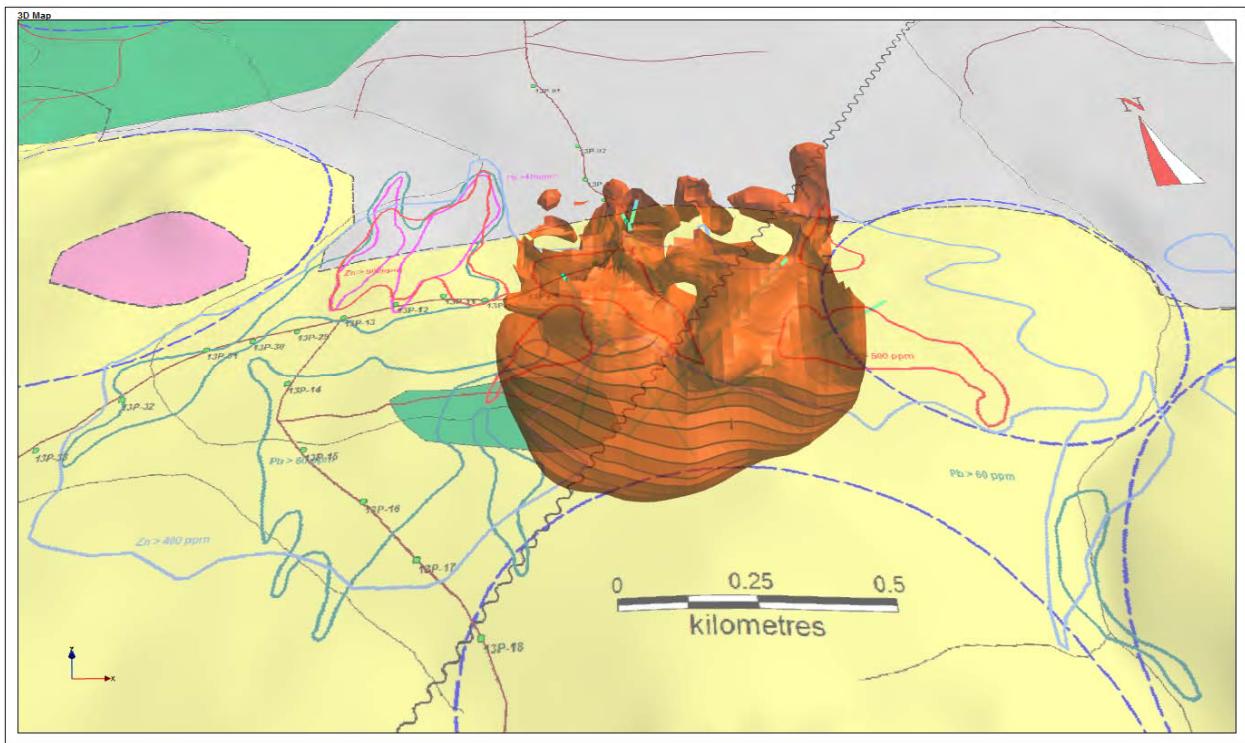


Figure 3.2: An isometric view of a three dimensional rendering of chargeability data (25mrads) relative to surface geology and geochemistry.

## **4 Diamond Drilling**

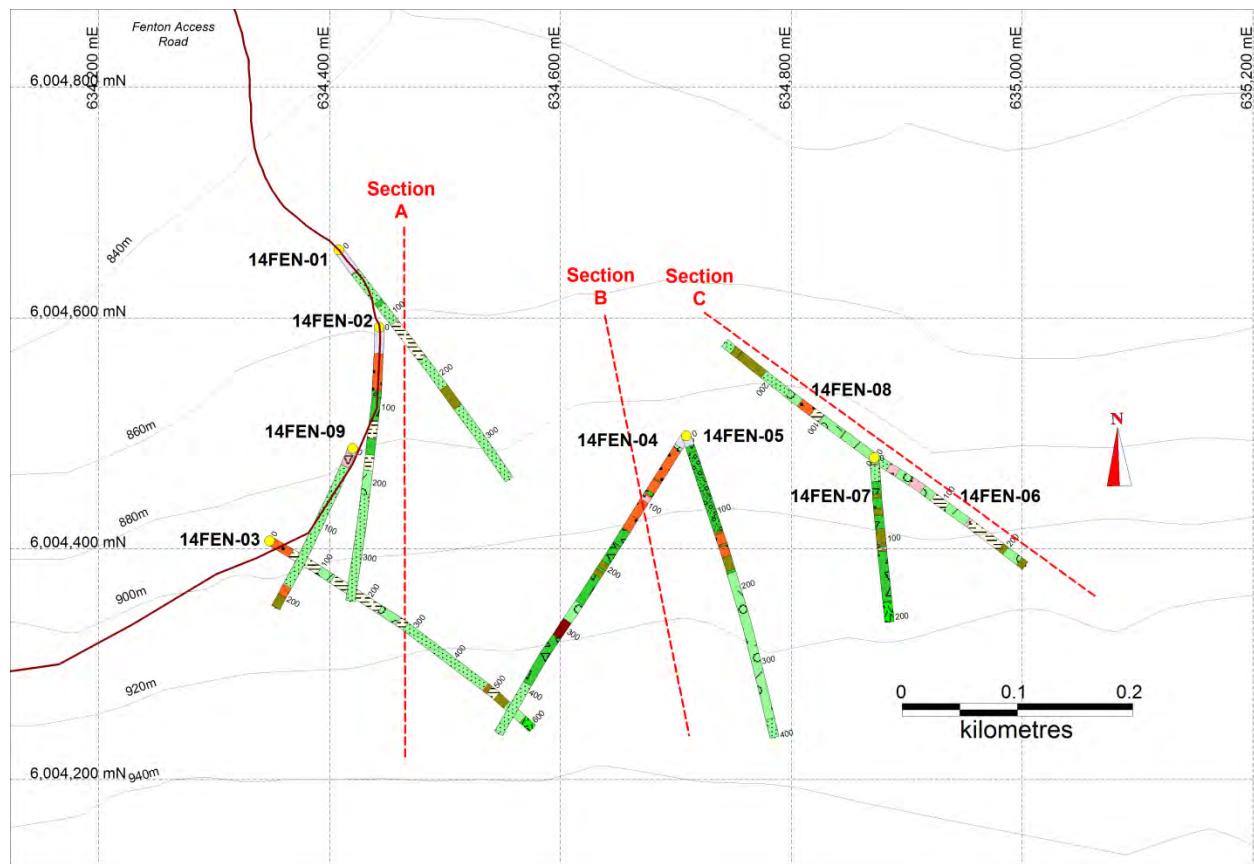
### **4.1 Methodology**

Diamond drilling was conducted in two phases. The initial phase of drilling was carried out in late May and was restricted to drilling from existing logging road, due to permitting reasons, and consisted of three holes (Table 4.1 and Figure 4.1) totaling 1,335m, which were designed to test the western side of the geophysical chargeability and resistivity anomalies. The diamond drill was contracted from Hy-Tech drilling of Smithers, B.C. and the skid mounted drill was transported to site on a flat deck truck. Drill moves were carried out with a skidder and as drilling was conducted off of the road no drill pads were required. NQ2 diameter core was produced for all holes. The drill core was logged on site and at the end of the program the core was transported to Hy-Tech's yard in Smithers where a diamond saw was set up to cut the core. All drill-core was cut and sampled in 2m increments, with samples trucked to SGS labs facility in Burnaby, B.C. Core samples were crushed and analyzed for 30 elements using ICP analyses following an Aqua Regia digestion and for gold by fire assay methods. The drill core was transported back to the property when the flat deck truck returned to the property with the drill for the second phase of drilling and is cross stacked on pallets in a road accessible clearing at UTM co-ordinates of 635875E and 6005225N.

The second phase of drilling was carried out in October and consisted of 6 holes from three sites and totaled 1559m. The first five holes tested the geophysical anomalies 340 and 450m further east from the first phase of drilling. In order to minimize access road construction the drill was transported on an all-terrain vehicle (similar to a large snow-cat) with a flat deck and HIAB crane, and drill pads were constructed from timbers in the same manner as when using a helicopter to transport the drill. A combination of old logging roads and natural clearings were used to access the drill sites and a small back-hoe was used to clear the slide alder and devils club from the trail area. No merchantable timber was cut. Core was logged on site and subsequently transported to Copper Mountain for cutting. As in the previous phase almost all the drill core was mineralized and therefore all was cut with the exception of some late, post mineral dykes. Split core was sampled in 3m samples with the exception of localized veins which were sampled with shorter core lengths. The second phase drill core is currently stored at the Copper Mountain mine site.

### **4.2 Drilling Results**

Details of the drill holes with respect to location and orientation are provided in Table 4.1 and Figure 4.1. In general, core recovery was 100% and no significant problems were encountered during the



**Figure 4.1: Drill hole plan map displaying geology and section lines (geology and grade on sections are included in Appendix V)**

drilling. Rock hardness was variable depending upon the amount of silica present but drill conditions and rock quality were very good. Results from the drilling program are broken into three sections: geology, mineralization and assays and discussed in detail in the following sections. Drill logs and sections, and analytical data are appended.

Hole ID	Easting	Northing	Elevation	Azimuth	Dip	Total Depth
<b>14Fen-01</b>	634413	6004659	851	160	-46	363
<b>14Fen-02</b>	634443	6004592	860	180	-47	363
<b>14Fen-03</b>	634348	6004407	902	118	-60	609
<b>14Fen-04</b>	634709	6004498	887	214	-48	399
<b>14Fen-05</b>	634709	6004498	887	160	-46	294
<b>14Fen-06</b>	634872	6004479	890	125	-46	234
<b>14Fen-07</b>	634872	6004479	890	175	-45	207
<b>14Fen-08</b>	634872	6004479	890	305	-55	207
<b>14Fen-09</b>	634420	6004487	881	203	-46	218

**Table 4.1: Summary of drill-hole collar details for Fenton Project**

#### 4.2.1 Geology

Lithologies observed in drill core are supportive of the interpretation of the area as a flow dome complex. Five main units were recognized and consist of:

a) Crystal Lithic Tuff, (XLTF) this unit is fairly distinctive due to fine mudstone fragments. A fine grained feldspar and quartz crystal matrix with approximately 15 to 40% lapilli sized, polymictic, rounded to sub-angular fragments. Faint bedding can be rarely observed but welded textures are lacking. Unit is interpreted to be the proximal subaerial to shallow-water deposition of detritus of a pyroclastic (explosive) eruption.

b) Rhyolite Breccias. A reasonably wide range of breccia textures are noted and subsequent to initial drill core logging, the drill core and core photographs were re-examined in order to classify breccias by texture and composition into the following subsets:

**Autobreccia** (ATBX) – occurs on the margin of a subaerial rhyolite dome as a non-explosive fragmentation of a cooling surface on a flowing lava, characterized by variable sized, poorly sorted, monolithic fragments with a similar composition to matrix material. Can be clast or matrix supported and flow-banded fragments are common.

**Hyaloclastic Breccia** (HLBX) – Blocky clasts commonly with curvi-planar surfaces and glassy margins. Tiny normal joints along clast margins and a coarse sand to granule matrix (1-4mm) are characteristic as well as any evidence of explosive fragmentation due to contact with water. Also there would be some expectation of alteration of fragments and quenching textures (glass shards) of both fragments and matrix. May also include pepperites if intrusion into wet sediments.

**Talus Breccia** (TLBX) – accumulates on the steep margin of a viscous flow dome. Large blocks, up to 2m and poor sorting of angular blocks, clast supported are characteristic. Rounded fragments are rare but the breccia may be locally polymictic. In general, proportionally much lower incidence of occurrence relative to other lithologies.

**Vent Breccia** (VTBX) – One or two dominant fragment lithologies with minor polymictic fragments, poorly sorted and angular to sub-round fragments, may be matrix supported but usually high clast content. Breccia matrix can appear to be intrusive in character.

**Volcanic Agglomerate** (AGGL) – a clast supported, polymictic volcanic conglomerate composed of generally, rounded fragments (reworked material).

**Hydrothermal Breccia** (HTBX) – crackle breccia and or milled textures, commonly with a siliceous or silicified matrix. Commonly mineralized, but not always visibly so. Increased alteration of fragments and matrix, contacts likely to be cross-cutting.

- c) Rhyolite flow (RYFL) – typically quartz and/or feldspar phric rock, with flow banding or other laminar features. Sporadically fragmental (accidental fragments). Narrow flow top and flow bottom breccias with inner parts gradational into FSPP, but with trachytic texture and less commonly amygdules.
- d) Intrusive rhyolite (FSPP) – Feldspar phric, with aphanitic to finely crystalline groundmass. Chilled contacts common but may be difficult to distinguish from flow rocks.
- c) Late dykes (DYKE) – Fine grained to aphanitic with yellow to green-brown coloured matrix; narrow zones with chill margins, which are commonly quite distinct from host rocks. Post mineralization is most cases but some may be synmineral.

Due to widespread alteration, categorization of breccias is difficult and may not be accurate but was attempted to get a sense of where the holes might be positioned with respect to a flow dome complex. It appears that the XLTF unit is thicker in the more western holes with rhyolite flows and breccias predominating in the eastern holes. A lower XLTF unit may underlie and/or be intruded by some of the flow-dome material as well. Dips within the rock units are gentle to the south in the northern holes and getting steeper in the south-eastern holes suggesting if the drilled area is from a single complex with the center of the dome located to the northwest; indicating that the entire dome complex would have a radius of at least 800m.

#### **4.2.2 Alteration and Mineralization**

All of the rocks drilled were altered and mineralized with only some minor exception. Alteration would be classified as argillic with sericite, clay and yellow (Fe) carbonate being pervasive and more or less ubiquitous. Clay minerals include kaolinite and illite. In some of the breccias the fragments or matrix may be preferentially altered over the other component but each breccia is a bit different in this regard which may be a function of timing of each flow unit relative to alteration, although in general alteration is late as it affects almost all rocks. Breccia units do appear to be more altered, possibly due to greater permeability. Alteration is more difficult to recognize in weathered surface samples but altered rocks have been observed over an approximate area of 2.4km north south and 4km in the east-west orientation in general agreement with the area of anomalous soil geochemistry. The correlation of soil geochemistry with alteration but not with chemical analyses of surface rock samples suggests that weathering has likely removed sulphide minerals from surface samples.

Hyperspectral analyses were performed on a 12 samples but data from these samples does not appear to form any consistent pattern with respect to either mineralogy versus depth or location or with crystallinity of illite. Analysis of many more samples may be useful in this regard.

Mineralization consists of both disseminated and veinlet sulphide minerals. Disseminations of very fine grained pyrite are ubiquitous and are frequently associated with disseminated sphalerite, arsenopyrite and galena. Some of the disseminated sulphide minerals can resemble fragments, particularly in the

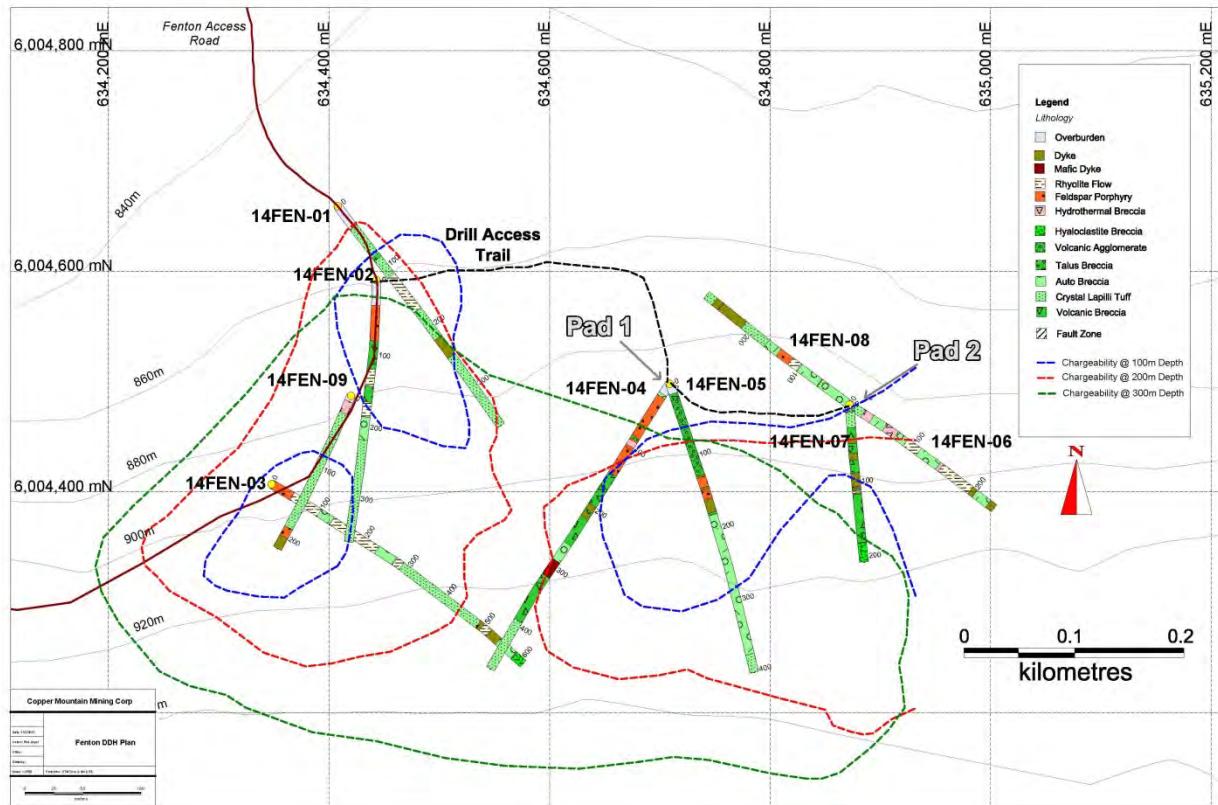
crystal-lapilli tuff unit, but it is uncertain whether these are real sulphide fragments or sulphide selectively replacing fragments. Total sulphide content ranges from 1 to 10% by rock volume with a most of the units containing 2-5% sulphide. Veinlets range from 1mm to 2cm in thickness and commonly are indicators of both precious and base metal grades, with grades in approximate proportion to the volume of sulphide minerals.

#### 4.2.3 Drill Hole Analytical Results

Diamond drilling was carried out to evaluate co-incidental IP chargeability and resistivity anomalies which underlie the easternmost area of anomalous soil geochemistry (Holbek and Joyes, 2014). The location of the drill holes relative to the chargeability anomaly is displayed in Figures 3.2 and 4.2, as well as on a plan map in Appendix V. Almost all of the drill-core was submitted for chemical analysis. An ICP analysis for 32 elements was carried out following an aqua regia digestion with gold analyzed by fire assay. Of the 32 elements only half of them appeared to have significant values or variation related to either, lithology, alteration or mineralization; the analyses for these elements and their respective positions within the drill holes can be found in Appendix I. Laboratory analytical sheets are included in Appendix IV. Due to the large number of assays, interpretation is best done on plan or section where specific elements are plotted as histograms. Silver, gold, zinc and lead are of the most interest and displayed in sectional format (Appendix V). Perhaps surprisingly, the best looking core in terms of alteration and mineralization (eg: veining and hydrothermal breccias) do not carry the most significant grades.

As previously mentioned narrow, massive to semi-massive sulphide veinlets occur in all of the holes and produce interesting assays for Au, Ag, Zn, Pb, and sometimes As. However, either larger veins or a relatively dense stockwork zone appears necessary to indicate potentially economic size and grades. Background enrichment is high and locally very high in geochemical terms but is generally 3 to 8 times lower than what might be required for a bulk tonnage deposit. Significant drill intersections are listed in Table 4.1. Although the mineralization does have the appearance of epithermal style (silicification, clay alteration) earlier work indicated that typical epithermal indicator elements such as mercury, antimony and thallium were not significantly enriched. Similarly the system is neither high nor low sulphidation, sitting somewhere in between. The association of ore deposits with rhyolite flow dome complexes is well documented within the cordillera of North and South America and well summarized in Sillitoe and Bonham (1985) and are illustrated in Figure 4.5. The rhyolite associated deposits contain both base and precious metals but there is a predominance of silver +/- zinc and lead. Most of the mined deposits occur near the base of the rhyolite domes and within the underlying strata in structurally controlled zones although some occur as manto-type deposits within permeable volcanic horizons. The veinlets observed in Fenton drill core have similar metallogenetic compositions to the Equity Silver deposit and somewhat similar to that of the nearby Nadina Queen deposit, and mineralization at all three locations appears to be the same age. The geological setting and high temperature alteration assemblage at

Equity suggest that this deposit may have been emplaced well below extrusive rhyolite domes and adjacent to or within the magmatic feeder zone to the overlying volcanic rocks. The Nadina veins are

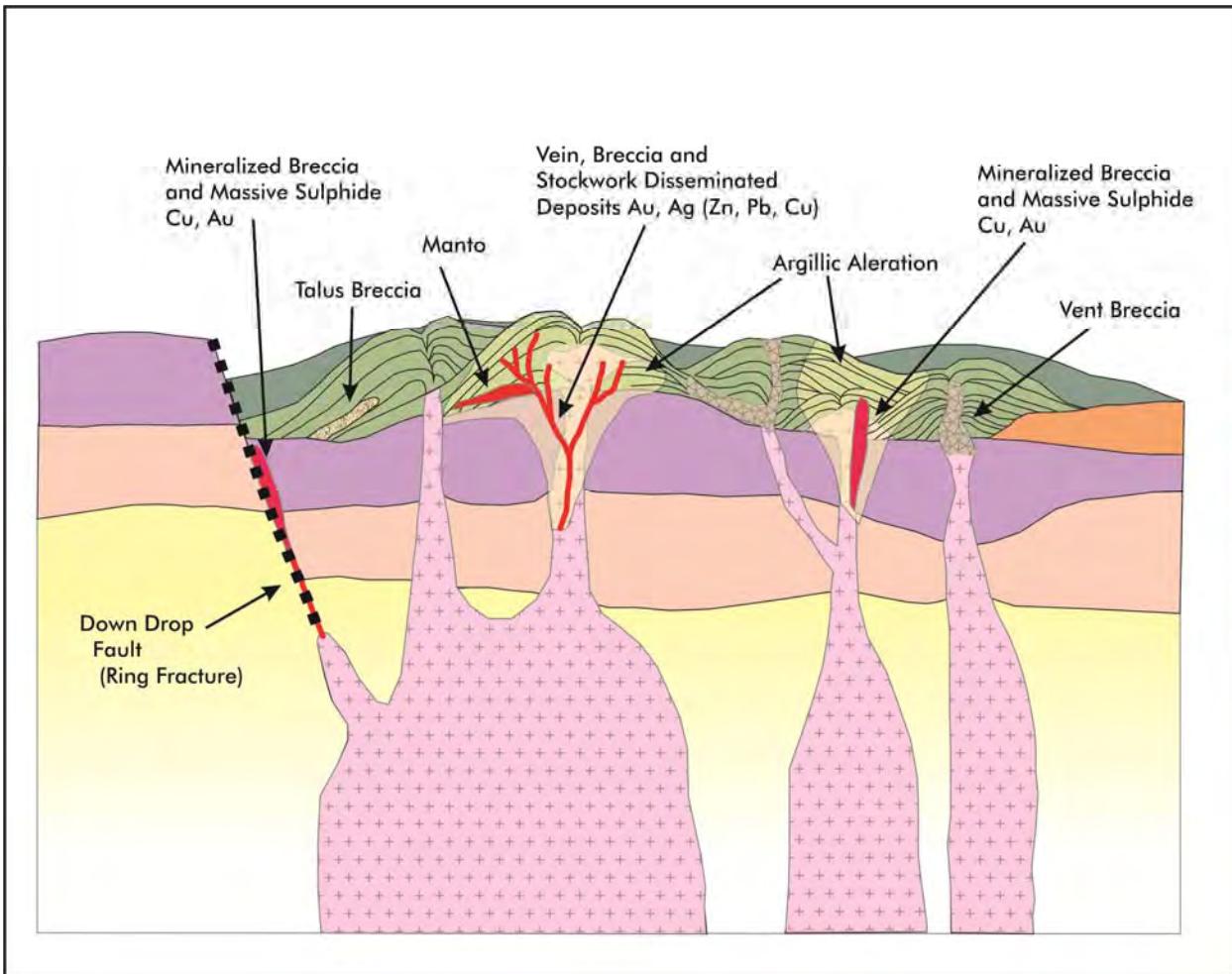


**Figure 4.2: Drill hole plan with outlines of the chargeability anomalies at 100m depth intervals. Note that the chargeability anomaly is open to the east.**

higher level than Equity Silver but still well below the extrusive surface. The forms of the rhyolite dome complex(s) at Fenton suggest a high level of mineralization, in spite of a strong base metal signature and paucity of epithermal indicator elements. The areal extent of alteration combined with the significant metal enrichment within flow-dome complex indicates good potential for a large, robust hydrothermal system and future exploration work should be oriented towards identifying basement structures and areas of high sulphide concentration.

**Table 4.2: Selected significant assay intervals from drill-holes.**

Drill Hole	From (m)	To (m)	thickness	Au g/t	Ag g/t	Zn%	Pb%
<b>14Fn-01</b>	98.0	102.0	4.0	0.22	63.50	0.13	0.08
	152.0	184.0	32.0	0.11	5.50	0.19	0.16
	273.0	363.0	90.0	0.11	4.40	0.30	0.03
<b>14Fn-02</b>	266.0	350.0	84.0	0.22	6.73	0.14	0.08
	incl.	346.0	350.0	4.0	0.79	23.00	0.25
<b>14Fn-03</b>	24.0	100.0	76.0	0.09	5.53	0.19	0.04
	372.0	404.0	32.0	0.08	3.90	0.24	0.05
	462.0	486.0	24.0	0.18	5.10		
	564.0	595.0	31.0	0.08	14.40		
<b>14Fn-04</b>	24.0	91.9	67.9			0.27	
	107.5	107.8	0.3	2.17	68.00	0.34	>1
	113.1	113.4	0.3	1.55	49.00	>1	>1
	136.0	137.0	1.0	2.90	45.00	1.08	0.51
	284.3	474.0	189.7			0.25	
	incl.	435.0	474.0	39.0		0.46	
<b>14Fn-05</b>	32.2	217.5	185.3			0.15	
	247.5	402.0	154.5	0.25			
<b>14Fn-06</b>	60.0	63.0	3.0	0.14	11.00		
	66.0	69.0	3.0	0.43	29.00	0.29	0.55
	183.0	224.5	41.5	0.04	2.90	0.13	0.11
<b>14Fn-08</b>	9.7	99.3	89.6			0.15	
	65.1	65.6	0.5	0.93	329.00	3.79	2.68
<b>14Fn-09</b>	58.6	91.6	33.0		5.00		



**Figure 4.3:** Schematic Illustration of rhyolite flow dome complex and associated alteration and mineralization styles (adapted from Sillitoe and Bonham (1985)).

## **4. Conclusions and Recommendations**

The eastern part of the Fenton claims represents a cluster of probable Eocene age, hydrothermally altered and mineralized rhyolite flow-dome complexes. Compilation of soil geochemical results indicates an area of approximately 4km in the east west direction and 1.2km in the north-south direction, or an area of 4.8 square kilometers and correlates reasonable well with a similar area of alteration within a larger area of rhyolitic rocks. Induced Polarization geophysical surveys and percussion drilling along existing logging roads indicated that the eastern part of the geochemical anomalies might be the most prospective area for mineralization: a concept that was tested with 9 drill holes totaling 2,894m. Results from the diamond drilling clearly support the geological interpretation of rhyolitic flow-dome complex and indicate widespread, relatively intense, pervasive argillic hydrothermal alteration and more localized silicification, with associated disseminated and micro-vein sulphide mineralization which carry significant, but sub-ore grades, of silver, gold, zinc and lead.

The deepest drill hole at 609m indicates that the rhyolitic complex is deep seated, possibly hosted in a graben-type structure, which may have helped in the preservation of Eocene land forms. The geology, mineralization and alteration at Fenton fits well with known ore deposits hosted by rhyolite flow-dome complexes throughout the cordillera of North and South America. The extent of anomalous soil geochemistry and alteration at Fenton, combined with significant enrichment in base and precious metals within the current and historical areas of drilling indicates a large and potentially potent hydrothermal system. Analysis of economic ore deposits within rhyolite flow dome complexes elsewhere in the Cordillera suggests that most deposits occur near or even below the base of the rhyolite domes, suggesting that drilling on the Fenton property is in the upper reaches of hydrothermal system. Further exploration should be aimed at defining deep structural control with coincidental concentration of sulphide mineralization, which might be most cost-effectively achieved with an airborne Z-TEM survey. Additionally the 3-D IP survey should be extended to the east where it remains open and to the west-northwest where the strongest geochemical anomalies occur and no modern geophysics has been undertaken.

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## **Appendix I: Summary Table of Assay Data**

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-01	34.62	36	1.38	48151	5	2	214	905	26.3	77	6	0.76	56	5	4	3	4	4.75	4750	7
14FEN-01	36	38	2	48152	5	2	221	1750	7.5	28	5	0.64	40	5	7	4	6	4.54	5470	8
14FEN-01	38	40	2	48153	5	2	228	1260	5.2	33	5	0.55	44	5	5	3	5	4.24	5150	7
14FEN-01	40	42	2	48154	8	5	213	1020	35	1720	6	1.9	131	5	4	15	4	5.68	5520	8
14FEN-01	42	44	2	48155	5	2	222	1140	4.8	39	5	0.1	94	5	4	5	6	3.85	4780	8
14FEN-01	44	46	2	48156	5	2	131	1270	10.2	165	5	0.11	254	5	5	4	7	4.57	5290	7
14FEN-01	46	48	2	48157	5	2	109	897	8.9	35	5	0.1	84	5	3	3	6	4.58	4640	8
14FEN-01	48	50	2	48158	5	2	81	434	21.2	840	8	0.84	103	5	1	21	6	5.1	4160	8
14FEN-01	50	52	2	48159	5	2	76	1110	8.9	74	8	0.17	88	5	4	4	7	4.42	4640	8
14FEN-01	52	54	2	48160	5	3	142	700	13.6	89	20	0.45	54	5	2	5	6	4.68	4920	11
14FEN-01	54	56	2	48161	5	2	105	801	14.4	29	12	0.38	59	5	2	2	5	4.93	5900	7
14FEN-01	56	58	2	48162	5	4	81	438	26.6	560	5	1.25	111	5	1	13	4	6.06	5560	7
14FEN-01	58	60	2	48163	5	2	101	897	12.6	98	6	0.28	239	5	3	3	6	5.02	4000	8
14FEN-01	60	62	2	48164	5	2	115	882	14.3	9	7	0.36	150	5	3	3	6	5.56	4160	8
14FEN-01	62	64	2	48165	5	3	172	342	17.4	101	7	0.48	64	5	1	4	5	5.19	4260	7
14FEN-01	64	66	2	48166	5	3	85	463	16.5	672	9	0.48	44	5	2	15	6	5.62	4080	8
14FEN-01	66	68	2	48167	5	2	74	359	12	9	7	0.31	149	5	1	3	5	5.42	4250	8
14FEN-01	68	70	2	48168	5	2	136	444	13.3	32	8	0.6	63	5	1	5	6	5.15	4440	9
14FEN-01	70	72	2	48169	6	3	269	734	20.1	270	14	1.21	135	5	3	7	5	5.65	4860	9
14FEN-01	72	74	2	48170	5	2	224	735	15.1	41	27	0.66	137	5	3	6	5	5.06	4680	9
14FEN-01	74	76	2	48171	5	2	129	677	4.2	17	5	0.3	309	5	2	2	5	4.36	3950	6
14FEN-01	76	78	2	48172	8	4	270	600	9	307	5	0.84	141	5	2	10	6	4.31	3720	11
14FEN-01	78	80	2	48173	5	2	113	731	6	32	7	0.46	104	5	2	2	4	4.28	3830	6
14FEN-01	80	82	2	48174	5	2	77	452	6.5	23	7	0.39	143	5	1	2	6	5.41	4600	8
14FEN-01	82	84	2	48175	5	2	102	623	14	81	17	0.55	88	5	2	3	5	5.17	4880	9
14FEN-01	84	86	2	48176	5	2	163	575	21.1	54	33	0.93	116	5	2	1	3	3.58	3920	5
14FEN-01	86	88	2	48177	138	5	664	3510	39.2	2690	50	1.95	134	5	13	4	3	4.31	4760	4
14FEN-01	88	89	1	48178	7	3	257	1090	33.4	144	21	1.5	194	5	4	3	3	5.22	5510	10
14FEN-01	90	92	2	48179	5	2	121	574	13.2	25	7	0.16	118	5	2	1	5	5.35	6040	5
14FEN-01	92	94	2	48180	5	2	226	646	13.5	68	15	0.87	72	5	2	1	4	3.79	4650	4
14FEN-01	94	96	2	48181	8	4	206	281	30.7	196	11	1.39	35	5	1	1	3	3.34	3690	2
14FEN-01	96	98	2	48182	19	6	320	435	43.8	621	25	2.04	35	5	2	3	3	3.89	3710	2
14FEN-01	98	100	2	48183	201	67	810	56	102	13400	74	4.94	43	172	1	88	2	6.42	1720	1
14FEN-01	100	102	2	48184	239	60	751	2570	100	13600	87	5	41	178	11	91	3	6.75	3210	1
14FEN-01	102	104	2	48185	16	4	201	464	31.9	400	32	1.02	39	5	1	1	4	3.52	4780	2
14FEN-01	104	106	2	48186	16	4	219	805	27.6	358	29	0.75	36	5	2	2	4	3.15	5340	2
14FEN-01	106	108	2	48187	8	2	111	586	14.4	171	15	0.5	39	5	2	1	3	3.3	5860	2
14FEN-01	108	110	2	48188	11	3	177	434	26.1	239	16	0.9	42	5	1	1	3	3.23	4990	2
14FEN-01	110	112	2	48189	6	3	149	429	25.7	67	17	0.76	35	5	1	1	3	3.21	4990	2
14FEN-01	112	114	2	48190	16	3	213	353	38.6	675	21	0.78	37	5	1	4	3	3.29	5440	2
14FEN-01	114	116	2	48191	11	4	147	193	37.8	452	23	1.01	34	5	1	3	2	2.81	4010	1
14FEN-01	116	118	2	48192	26	6	145	29	54.7	794	32	1.33	35	9	1	5	2	2.93	3820	1
14FEN-01	118	120	2	48193	36	19	275	182	100	1310	53	2.54	109	43	1	9	2	4.13	3960	1
14FEN-01	120	122</																		

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-01	124	126	2	48196	11	4	128	450	49.7	481	23	0.86	34	7	1	3	2	2.55	3630	1
14FEN-01	126	128	2	48197	11	2	57	287	31.5	240	16	0.73	22	5	1	2	2	1.56	1820	1
14FEN-01	128	130	2	48198	12	2	125	494	26.6	448	30	0.69	24	5	1	3	2	1.82	2640	1
14FEN-01	130	132	2	48199	14	3	94	286	33.4	266	24	0.98	33	5	1	2	3	2.47	2620	1
14FEN-01	132	134	2	48200	19	3	194	586	45.4	349	33	1.15	38	5	2	2	4	3.02	3830	1
14FEN-01	134	136	2	48201	8	5	228	673	43.5	294	43	0.95	126	6	2	2	4	3.06	4760	2
14FEN-01	136	138	2	48202	172	26	412	300	120	8190	85	3.49	41	124	1	17	3	5.74	2430	1
14FEN-01	138	140	2	48203	13	3	278	581	46.7	221	53	1.18	46	5	2	1	3	3.08	3160	1
14FEN-01	140	142	2	48204	21	3	343	916	47	363	73	1	39	5	3	1	4	3.02	4770	2
14FEN-01	142	144	2	48205	10	3	396	596	41.9	113	69	1.17	40	5	2	1	4	3.08	4180	2
14FEN-01	144	146	2	48206	7	2	265	671	42.6	148	53	1.3	39	5	2	2	3	3.3	4190	2
14FEN-01	146	148	2	48207	9	2	339	805	33.1	118	47	1.14	34	5	3	2	4	2.46	2510	2
14FEN-01	148	150	2	48208	11	2	309	747	23.2	77	61	0.87	71	5	2	1	3	2.18	3290	1
14FEN-01	150	152	2	48209	10	3	715	1950	30.6	73	72	1.3	40	5	7	1	4	2.76	4030	1
14FEN-01	152	154	2	48210	148	8	2140	4630	59.1	2330	61	2.59	42	5	17	5	3	3.9	4470	1
14FEN-01	154	156	2	48211	21	2	323	708	20.5	243	13	0.91	33	5	2	2	2	1.86	2830	1
14FEN-01	156	158	2	48212	118	5	1110	3230	41.4	1350	138	1.88	44	5	11	2	3	3.62	5680	2
14FEN-01	158	160	2	48213	58	4	916	2020	40.7	766	84	1.61	45	5	7	3	4	2.91	4120	2
14FEN-01	160	162	2	48214	275	8	1660	2470	67.5	1110	179	2.33	50	5	9	3	3	3.83	6200	3
14FEN-01	162	164	2	48215	50	5	1260	1690	33.1	788	118	1.78	41	5	6	1	3	3.29	4340	1
14FEN-01	164	166	2	48216	35	5	1230	1450	39.7	1040	93	1.69	46	5	5	3	3	3.42	4260	3
14FEN-01	166	168	2	48217	32	3	471	627	28.8	607	47	1.35	50	5	2	2	3	3.21	4600	2
14FEN-01	168	170	2	48218	29	3	411	594	41.1	932	70	1.58	51	5	2	3	4	3.54	5060	2
14FEN-01	170	172	2	48219	79	3	564	787	24.9	1380	115	0.99	48	5	3	3	3	2.28	2950	2
14FEN-01	172	174	2	48220	102	3	564	1240	33.1	1480	104	1.54	65	5	4	6	3	3.9	4850	5
14FEN-01	174	176	2	48221	348	6	1290	3970	40.1	3660	201	1.74	63	5	14	6	4	5.52	7800	6
14FEN-01	176	178	2	48222	90	3	395	746	0.5	1580	57	1.54	65	5	2	5	4	4.97	6150	7
14FEN-01	178	180	2	48223	47	3	379	1050	31.7	714	59	1.59	67	5	3	2	4	4.72	5670	8
14FEN-01	180	182	2	48224	91	7	1350	2320	46	999	111	2.58	76	5	8	4	4	5.63	5690	8
14FEN-01	182	184	2	48225	215	15	1170	3020	51.7	5350	45	3.06	68	29	11	14	3	5.67	5490	7
14FEN-01	184	186	2	48226	171	11	839	994	44.2	3510	19	2.33	73	18	4	7	5	5.66	5800	7
14FEN-01	186	188	2	48227	29	3	235	1030	31.8	475	10	1.15	86	5	4	5	5	4.74	5170	8
14FEN-01	188	190	2	48228	26	2	203	400	24.2	297	32	1.19	221	5	1	4	6	4.81	5660	10
14FEN-01	190	192	2	48229	16	3	184	419	27.1	116	30	1.11	151	5	1	3	5	4.54	4500	9
14FEN-01	192	194	2	48230	27	6	459	1060	32.6	418	68	1.36	337	6	4	3	6	4.74	4480	8
14FEN-01	194	196	2	48231	18	4	220	364	28.1	147	22	1.06	154	5	1	3	5	4.52	4970	8
14FEN-01	196	198	2	48232	26	15	579	604	29	177	38	1.33	115	31	2	2	4	4.25	4560	7
14FEN-01	198	200	2	48233	25	4	338	678	29.1	275	24	1.23	74	5	2	6	5	4.58	4770	8
14FEN-01	200	202	2	48234	25	3	262	320	21.8	288	17	0.89	154	5	1	9	6	4.74	4890	8
14FEN-01	202	204	2	48235	67	3	365	459	27.3	295	11	1	134	5	2	9	5	4.21	4100	8
14FEN-01	204	206	2	48236	56	3	262	421	25.1	723	7	1.27	131	5	1	13	5	4.37	4340	8
14FEN-01	206	208	2	48237	37	5	354	496	26	329	7	1.19	235	5	2	10	5	4.22	4360	8
14FEN-01	208	21																		

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-01	214.3	216.3	2	48241	45	5	155	299	36.3	1410	14	1.37	114	7	1	10	4	4.43	3980	8
14FEN-01	216.3	218.25	1.95	48242	30	4	123	282	31.9	249	14	1.03	336	6	1	12	5	4.41	3660	11
14FEN-01	249.3	251	1.7	48243	43	7	605	959	47.7	212	91	1.8	261	9	3	6	3	5.24	4250	8
14FEN-01	251	253	2	48244	27	5	483	958	51.4	170	37	1.63	211	5	4	3	4	5.34	4190	8
14FEN-01	253	255	2	48245	29	4	822	1220	44.4	106	19	1.49	247	5	4	1	4	4.73	3400	9
14FEN-01	255	257	2	48246	107	7	1150	1910	47.3	299	16	1.92	198	6	7	2	5	5.39	3860	9
14FEN-01	257	259	2	48247	71	6	862	1760	42.8	277	50	1.68	233	5	6	4	4	5.44	5000	8
14FEN-01	259	261	2	48248	95	7	1320	1980	41.9	581	14	1.75	205	5	7	3	4	5.52	5160	8
14FEN-01	261	263	2	48249	24	4	825	1350	38.6	215	8	1.68	218	5	5	3	5	5.17	3890	8
14FEN-01	263	265	2	48250	49	6	985	1340	49.7	546	10	2.23	162	5	4	5	5	6.21	3570	7
14FEN-01	265	267	2	48251	35	5	1100	1090	43.7	263	9	2.01	125	5	4	2	4	5.36	2920	8
14FEN-01	267	269	2	48252	56	5	962	1440	41.9	211	40	1.64	220	5	5	2	4	4.77	3000	8
14FEN-01	269	271	2	48253	17	5	835	1350	43.2	145	100	1.66	148	5	5	2	4	5.11	3920	7
14FEN-01	271	273	2	48254	68	6	607	1190	43.2	632	76	1.88	80	6	4	3	4	5.45	4930	9
14FEN-01	273	275	2	48255	284	11	867	5360	67.9	3520	149	2.8	73	20	28	5	4	6.19	6570	7
14FEN-01	275	277	2	48256	118	7	720	1440	31.5	362	28	1.65	73	9	5	3	4	4.8	3640	8
14FEN-01	277	279	2	48257	47	3	193	1740	27.3	142	29	1.35	73	5	6	3	4	4.98	4300	7
14FEN-01	279	281	2	48258	58	3	120	1550	30.9	370	25	1.43	75	5	6	5	4	5.19	3950	8
14FEN-01	281	283	2	48259	76	5	127	1870	32.9	233	36	1.64	75	5	7	4	4	5.39	3270	8
14FEN-01	283	285	2	48260	39	3	148	1920	38.2	223	34	1.53	75	5	7	3	4	4.93	3760	8
14FEN-01	285	287	2	48261	116	6	453	2730	48.2	1100	149	2.18	70	14	11	7	4	4.7	4630	7
14FEN-01	287	289	2	48262	41	5	288	2420	43.2	1200	47	2.03	74	7	10	15	4	4.99	4540	8
14FEN-01	289	291	2	48263	150	6	487	2460	41.1	1050	36	2.28	76	10	10	4	3	5.56	6930	8
14FEN-01	291	293	2	48264	163	5	305	2860	45	5910	33	2.53	69	20	11	72	4	5.19	4430	8
14FEN-01	293	295	2	48265	76	4	304	2580	52.1	803	20	2.38	79	15	10	14	4	5.71	4570	8
14FEN-01	295	297	2	48266	84	4	406	2980	41.7	1040	41	2.07	81	5	12	11	5	5.29	6370	8
14FEN-01	297	299	2	48267	59	11	372	3220	61.2	1080	65	2.56	116	9	14	10	3	5.14	4740	9
14FEN-01	299	301	2	48268	8	2	187	3080	42.6	304	16	1.89	118	5	13	3	4	5.13	5110	8
14FEN-01	301	303	2	48269	88	3	180	3320	48.4	1860	31	2.67	177	24	14	12	4	5.83	5040	9
14FEN-01	303	305	2	48270	17	4	265	2570	45.2	295	33	2	80	12	11	1	4	5.81	5350	8
14FEN-01	305	307	2	48271	258	4	324	2920	46.1	5440	72	2.87	82	40	12	15	4	6.64	4290	8
14FEN-01	307	309	2	48272	29	2	226	3510	47.5	545	42	2.27	76	6	15	1	4	5.55	4660	7
14FEN-01	309	311	2	48273	88	3	388	3170	41.2	1080	76	2.34	98	5	14	4	3	5.03	4830	8
14FEN-01	311	313	2	48274	78	2	171	3710	55.6	1620	47	2.63	72	5	16	4	3	6.25	6110	7
14FEN-01	313	315	2	48275	411	10	502	3810	70.3	1300	118	2.9	104	71	18	2	4	6.16	6180	8
14FEN-01	315	317	2	48276	149	5	282	3600	56.1	2610	57	2.89	104	11	16	13	5	5.57	5770	8
14FEN-01	317	319	2	48277	85	3	253	1900	43.3	295	32	2.24	111	9	8	5	6	5.1	5950	8
14FEN-01	319	321	2	48278	30	2	211	1670	60.5	279	30	2.61	78	5	7	6	6	4.97	5070	8
14FEN-01	321	323	2	48279	60	2	308	1900	47.5	495	101	2.42	64	5	8	6	6	5.11	6290	7
14FEN-01	323	325	2	48280	74	3	364	1210	54.7	368	103	2.74	69	5	5	5	5	4.51	5310	8
14FEN-01	325	327	2	48281	99	3	527	1570	47.9	870	85	2.63	70	5	7	2	4	5.4	8520	9
14FEN-01	327	329	2	48282	33	3	368	3190	41	753	40	2.01								

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-01	335	337	2	48286	24	3	402	3640	47.6	419	144	2.24	71	7	17	4	5	4.86	4700	8
14FEN-01	337	339	2	48287	17	4	241	3560	44.8	827	86	1.98	74	11	17	3	5	5.02	4710	7
14FEN-01	339	341	2	48288	343	4	188	3340	40.2	1050	88	2.16	72	10	15	2	5	5.36	3980	7
14FEN-01	341	343	2	48289	20	5	263	3910	47.2	773	73	2.33	66	5	18	1	4	5.34	4400	8
14FEN-01	343	345	2	48290	869	13	2130	7250	99.6	8360	690	4.46	70	17	35	2	4	5.78	3020	7
14FEN-01	345	347	2	48291	85	8	333	4880	55.5	1130	177	3.58	68	14	23	4	5	5.83	4250	9
14FEN-01	347	349	2	48292	154	8	829	4530	61.7	2050	194	2.58	65	14	21	2	5	5.09	4470	7
14FEN-01	349	351	2	48293	113	2	141	3300	40.4	320	34	1.97	77	9	16	3	6	5.15	4870	8
14FEN-01	351	353	2	48294	10	2	131	3240	39.6	204	28	1.89	83	5	16	3	6	5.01	3890	8
14FEN-01	353	355	2	48295	11	2	126	3030	36.4	279	24	1.81	86	5	14	3	6	4.86	4200	8
14FEN-01	355	357	2	48296	32	2	144	3520	38.8	1400	33	2.14	79	10	17	15	7	5	4130	8
14FEN-01	357	359	2	48297	14	2	192	3260	42.6	290	40	1.93	79	6	15	7	5	4.81	3910	8
14FEN-01	359	361	2	48298	33	2	149	3530	48.3	305	42	1.93	83	5	17	9	7	5.17	4120	8
14FEN-01	361	363	2	48299	38	2	139	3220	45.8	441	55	2.22	67	8	16	8	5	4.86	3410	8
14FEN-02	24	26	2	48300	8	2	135	456	25	56	10	0.48	503	5	1	10	4	3.9	4960	9
14FEN-02	26	28	2	48301	8	2	13	138	4.5	58	5	0.45	105	5	1	6	2	2.06	2940	5
14FEN-02	28	30	2	48302	6	2	279	185	19	41	12	0.46	643	5	1	6	2	2.1	2870	4
14FEN-02	30	32	2	48303	5	2	6	127	13.5	22	5	0.25	378	5	1	6	2	2.1	1860	4
14FEN-02	32	34	2	48304	5	2	7	84	9.3	18	5	0.27	353	5	1	6	3	2.07	1670	4
14FEN-02	34	36	2	48305	7	2	14	156	9.6	27	5	0.42	329	5	1	6	2	2.2	2390	4
14FEN-02	36	38	2	48306	6	2	15	56	8.6	27	5	0.5	162	5	1	5	3	2.16	2670	4
14FEN-02	38	40	2	48307	10	2	9	55	7	22	5	0.47	89	5	1	6	2	2.44	2010	3
14FEN-02	40	42	2	48308	8	2	10	44	11.3	29	5	0.53	48	5	1	7	2	2.5	1830	3
14FEN-02	42	44	2	48309	6	2	10	52	16	44	6	0.5	57	5	1	7	2	2.31	1740	4
14FEN-02	44	46	2	48310	6	2	10	53	11.4	45	5	0.54	110	5	1	7	2	2.4	1500	3
14FEN-02	46	48	2	48311	7	2	9	52	13.8	72	5	0.48	124	5	1	7	2	2.58	2280	3
14FEN-02	48	50	2	48312	6	2	8	47	11.2	54	5	0.42	226	5	1	6	3	2.2	3160	5
14FEN-02	50	52	2	48313	13	2	8	36	2.9	38	5	0.37	54	5	1	6	2	2.1	3390	4
14FEN-02	52	54	2	48314	9	2	11	53	3.8	68	5	0.58	54	5	1	6	2	2.22	4680	4
14FEN-02	54	56	2	48315	11	2	8	46	2	27	5	0.5	184	5	1	5	2	2.24	5240	3
14FEN-02	56	58	2	48316	8	2	8	41	2.1	24	5	0.48	281	5	1	6	3	2.25	4820	3
14FEN-02	58	60	2	48317	11	2	8	52	3.9	33	5	0.5	83	5	1	7	3	2.29	4650	5
14FEN-02	60	62	2	48318	7	2	14	62	3.2	45	6	0.61	745	5	1	6	3	2.28	2800	4
14FEN-02	62	64	2	48319	8	2	11	81	3.1	19	5	0.49	71	5	1	7	3	2.42	3350	3
14FEN-02	64	66	2	48320	8	2	9	49	3.7	28	5	0.52	501	5	1	6	3	2.42	5150	4
14FEN-02	66	68	2	48321	9	2	10	46	4.4	22	5	0.76	72	5	1	7	3	2.26	3500	4
14FEN-02	68	70	2	48322	10	2	14	45	6	21	5	0.53	132	5	1	7	4	2.74	4640	4
14FEN-02	70	72	2	48323	12	2	46	91	12	23	6	0.62	986	5	1	7	4	2.93	4470	4
14FEN-02	72	74	2	48324	10	2	121	292	26.8	29	5	0.73	248	5	1	13	5	2.78	5070	5
14FEN-02	74	76	2	48325	19	2	33	65	3.7	58	5	1.26	123	5	1	20	4	2.94	5240	4
14FEN-02	76	78	2	48326	6	2	39	168	5.9	21	5	0.47	184	5	1	6	4	2.16	4470	4
14FEN-02	78	80	2	48327	5	2	41	52	3.2	14	5	0.46	116	5	1	6	4	2.17	4370	4
14FEN-02	80	82	2	48328	7	2	90	145	11.7	21	5	0.46	192	5	1	6	4	2.58	5790	5
14FEN-02	82	84	2	48329	22	5	501	1430</												

Comprehensive Geological and Geochemical Data Log																																				
Hole ID	From	To	Interval	Sample No	Au		Ag		Pb		Zn		Cu		As		Sb		S		Ba		Bi		Cd		Co		Cr		Fe		Mn		Ni	
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm						
14FEN-02	86	88	2	48331	47	5	524	1810	35.2	260	21	1.36	335	5	7	4	2	3.53	4280	6																
14FEN-02	88	90	2	48332	9	4	321	1490	40.2	44	9	1.66	199	5	6	8	4	4.42	5040	11																
14FEN-02	90	92	2	48333	5	2	173	781	23.1	30	10	0.43	84	5	3	6	10	5.91	8000	10																
14FEN-02	92	94	2	48334	5	2	176	906	25.1	45	14	0.81	92	5	4	8	9	5.13	5630	11																
14FEN-02	94	96	2	48335	11	3	238	1030	34.2	87	10	0.88	115	5	4	9	6	4.67	6400	10																
14FEN-02	96	98	2	48336	9	2	151	329	19.5	40	7	0.9	103	5	1	4	5	3.96	4440	8																
14FEN-02	98	100	2	48337	13	2	295	860	31.8	116	30	1.71	89	5	3	5	4	4.71	4750	7																
14FEN-02	100	102	2	48338	190	7	1310	2240	31	2910	79	2.95	115	5	8	6	4	5.06	9200	6																
14FEN-02	102	104	2	48339	5	2	227	371	26.2	31	46	1.13	92	5	1	3	4	3.89	5790	7																
14FEN-02	104	106	2	48340	7	6	998	6130	141	62	32	0.98	92	5	28	5	4	4.25	8200	5																
14FEN-02	106	108	2	48341	15	3	555	1800	69.3	113	14	1.19	79	5	7	4	4	3.18	5710	6																
14FEN-02	108	110	2	48342	36	3	398	566	21.9	398	25	1.33	85	5	2	5	3	3.98	9180	6																
14FEN-02	110	112	2	48343	35	3	365	1020	64.1	389	38	1.59	91	5	4	17	3	3.76	7920	7																
14FEN-02	112	114	2	48344	5	2	176	919	22.5	34	37	1.12	85	5	3	5	3	3.14	4830	3																
14FEN-02	114	116	2	48345	6	2	203	1010	22.4	58	48	1.04	101	5	4	6	4	4.06	6020	7																
14FEN-02	116	118	2	48346	5	2	116	592	19.3	14	29	0.63	78	5	2	4	3	2.59	3750	3																
14FEN-02	118	120	2	48347	5	2	162	848	17.4	21	26	0.65	371	5	3	4	4	2.86	3890	4																
14FEN-02	120	122	2	48348	7	2	236	1160	27.4	89	11	0.49	156	5	4	8	7	4.76	5560	11																
14FEN-02	122	124	2	48349	5	3	180	408	36.1	13	9	1.94	168	5	2	10	6	5.43	3210	14																
14FEN-02	124	126	2	48350	5	2	123	352	20.7	26	5	0.9	152	5	1	7	8	4.8	4000	11																
14FEN-02	126	128	2	48351	6	4	148	543	19.8	87	5	1.01	128	5	2	11	10	5.21	4130	11																
14FEN-02	128	130	2	48352	5	2	46	401	9.1	26	5	0.33	369	5	2	6	11	4.84	4670	12																
14FEN-02	130	132	2	48353	19	4	149	263	25.4	351	8	1.47	148	5	1	15	9	5.97	5460	13																
14FEN-02	132	134	2	48354	6	2	146	646	50.6	97	6	1.1	152	5	3	18	9	5.26	6290	14																
14FEN-02	134	136	2	48355	6	2	67	337	17.3	54	9	0.79	159	5	1	8	10	5.04	6970	10																
14FEN-02	136	138	2	48356	29	4	499	640	23.5	193	21	1.12	139	5	2	4	9	5.16	7600	10																
14FEN-02	138	140	2	48357	5	2	97	467	8.6	23	5	0.44	123	5	2	6	11	4.65	6060	12																
14FEN-02	140	142	2	48358	5	2	76	286	9.2	17	5	0.35	120	5	1	4	10	4.67	5830	11																
14FEN-02	142	144	2	48359	5	2	181	418	17	22	6	0.73	139	5	2	4	7	4.77	5660	10																
14FEN-02	144	146	2	48360	20	3	305	501	20.3	87	7	1.6	150	5	1	4	5	4.34	4650	6																
14FEN-02	146	148	2	48361	12	2	242	428	28.6	56	10	1.61	93	5	1	2	4	3.39	37																	

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-02	176	178	2	48376	19	2	6	45	2.9	29	6	0.6	414	5	1	5	3	2.01	4440	3
14FEN-02	178	180	2	48377	13	2	18	43	3.5	23	8	0.67	465	5	1	5	3	2.03	5420	3
14FEN-02	180	182	2	48378	32	2	77	191	3.7	29	14	0.56	239	5	1	6	3	2.04	6750	3
14FEN-02	182	184	2	48379	14	2	15	58	2.5	15	5	0.43	173	5	1	5	3	2.11	5740	3
14FEN-02	184	186	2	48380	10	2	6	33	1.9	9	5	0.32	202	5	1	5	3	2.09	4120	3
14FEN-02	186	188	2	48381	52	3	413	1030	27.6	517	10	1.28	137	5	4	5	3	3.07	5040	2
14FEN-02	188	190	2	48382	151	12	581	623	16.5	2120	19	1.23	102	25	2	4	3	2.62	3130	2
14FEN-02	190	192	2	48383	9	2	90	340	18.8	45	7	0.91	136	5	1	1	3	2.87	4110	1
14FEN-02	192	194	2	48384	11	2	157	419	21.3	77	6	1.06	229	5	1	2	2	2.77	2850	2
14FEN-02	194	196	2	48385	12	2	150	439	27.9	167	6	1.32	133	5	1	3	4	2.98	2490	2
14FEN-02	196	198	2	48386	17	2	209	407	24.3	77	8	1.27	139	5	1	3	3	3	3440	2
14FEN-02	198	200	2	48387	12	2	158	482	20.4	178	6	1.08	115	5	1	6	3	2.8	3420	2
14FEN-02	200	202	2	48388	12	2	194	447	22.4	80	7	1.17	168	5	1	2	3	3.08	3050	3
14FEN-02	202	204	2	48389	33	3	372	714	26	171	12	1.49	143	5	2	2	3	3.5	3670	3
14FEN-02	204	206	2	48390	16	3	171	428	19.9	54	7	1.07	187	5	1	1	3	3.08	3340	4
14FEN-02	206	208	2	48391	36	4	244	319	33.8	63	12	1.81	152	5	1	1	2	3.93	2790	7
14FEN-02	208	210	2	48392	59	2	98	362	35.5	439	15	1.58	230	5	1	1	2	3.49	2240	9
14FEN-02	210	212	2	48393	56	2	141	72	29.2	267	10	1.56	283	5	1	2	3	3.04	1890	5
14FEN-02	212	214	2	48394	135	3	185	463	20.3	976	11	1.34	126	5	1	3	3	3.33	3000	3
14FEN-02	214	216	2	48395	56	2	183	619	15.9	50	7	0.8	119	5	2	1	2	2.08	2410	2
14FEN-02	216	218	2	48396	96	4	363	840	30	175	14	1.54	114	5	3	2	3	3.32	3470	4
14FEN-02	218	220	2	48397	70	3	366	798	29.3	853	12	1.52	121	5	2	8	4	4.54	6070	7
14FEN-02	220	222	2	48398	66	3	378	638	27.7	893	16	1.54	122	5	2	6	3	4.32	5600	8
14FEN-02	222	224	2	48399	150	5	599	697	26.9	765	27	1.71	174	5	2	3	3	4.65	5390	8
14FEN-02	224	226	2	48400	19	2	279	477	24.1	60	14	1.46	197	5	1	2	4	4.2	3510	8
14FEN-02	226	228	2	48401	18	2	176	553	23.6	325	6	1.17	129	5	1	6	3	3.71	3190	6
14FEN-02	228	230	2	48402	18	2	231	543	25.4	149	12	1.61	222	5	1	6	5	4.64	3680	9
14FEN-02	230	232	2	48403	13	2	238	593	22.7	87	7	1.38	132	5	2	5	3	4.12	3530	8
14FEN-02	232	234	2	48404	12	2	259	661	26.6	140	7	1.48	130	5	2	8	4	4.18	3300	8
14FEN-02	234	236	2	48405	8	2	240	819	24.8	53	7	1.52	139	5	3	4	4	4.04	3270	8
14FEN-02	236	238	2	48406	6	2	185	516	24.9	54	8	1.56	149	5	2	5	4	4.31	3740	8
14FEN-02	238	240	2	48407	6	2	137	566	23.1	65	6	1.48	134	5	2	5	4	4.1	3640	7
14FEN-02	240	242	2	48408	5	2	130	673	28.6	38	7	1.48	126	5	2	4	4	4.42	4450	8
14FEN-02	242	244	2	48409	11	2	159	703	28	73	8	1.43	134	5	2	4	4	4.27	4640	8
14FEN-02	244	246	2	48410	13	5	287	406	26.4	234	11	1.6	199	5	1	4	4	4.29	3770	8
14FEN-02	246	248	2	48411	9	3	259	571	32.8	108	9	1.62	176	5	2	3	4	4.66	4020	8
14FEN-02	248	250	2	48412	25	3	155	307	28.5	333	8	1.63	172	5	1	3	4	4.38	4010	8
14FEN-02	250	252	2	48413	5	2	113	357	26.5	20	7	1.43	202	5	1	2	4	4.14	3860	7
14FEN-02	252	254	2	48414	13	2	161	389	29.5	75	16	1.49	125	5	1	3	4	4.42	4370	8
14FEN-02	254	256	2	48415	68	3	240	491	27.8	1120	15	1.78	211	5	1	3	4	4.33	4030	8
14FEN-02	256	258	2	48416	12	3	283	865	39.3	248	11	1.78	176	5	3	4	4	4.54	3410	8
14FEN-02	258	260	2	48417	24	4	256	717	44.1	348	13	2.24	134	5	2	3	3	4.63	3080	7
14FEN-02	260	262	2	48418	197	11	348	541	35.6	2740	27									

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-02	266	268	2	48421	187	5	263	391	18.1	499	33	5	87	10	1	1	3	6.43	2350	7
14FEN-02	268	270	2	48422	602	30	965	1270	71	8450	75	3.03	129	69	5	14	4	5.93	4480	7
14FEN-02	270	272	2	48423	142	7	621	2150	67.7	1690	20	2.73	121	6	8	1	4	4.86	4130	8
14FEN-02	272	274	2	48424	43	3	409	528	59.6	940	18	1.54	153	5	2	1	4	4.6	4030	8
14FEN-02	274	276	2	48425	65	5	728	1360	84.3	1180	24	1.56	141	5	5	1	4	4.28	4540	7
14FEN-02	276	278	2	48426	154	4	422	819	68.8	2210	19	1.72	153	5	3	4	4	4.41	4310	8
14FEN-02	278	280	2	48427	613	11	1840	3420	102	5830	75	2.84	132	5	14	19	3	4.9	4710	8
14FEN-02	280	282	2	48428	200	5	416	798	61.4	2420	25	1.97	143	5	3	9	3	4.48	4680	8
14FEN-02	282	284	2	48429	205	6	529	407	56.2	1670	19	3.84	129	6	1	7	3	5.24	3120	8
14FEN-02	284	286	2	48430	418	18	897	8690	153	5310	89	4.56	102	27	42	19	3	5.86	2630	7
14FEN-02	286	288	2	48431	132	5	416	571	80.4	2410	53	2.45	162	5	3	10	3	4.67	3570	8
14FEN-02	288	290	2	48432	115	6	224	189	85.7	725	30	2.65	146	5	1	6	3	4.84	2890	8
14FEN-02	290	292	2	48433	37	3	211	399	96.6	379	18	2.16	216	5	2	5	4	5.04	3360	9
14FEN-02	292	294	2	48434	178	9	440	383	73.6	926	12	1.97	202	13	2	6	4	4.46	3090	9
14FEN-02	294	296	2	48435	45	5	286	698	86.1	643	11	2.12	146	5	3	9	4	4.54	2980	9
14FEN-02	296	298	2	48436	70	4	262	616	83	473	9	2.04	131	5	3	9	4	4.46	2900	9
14FEN-02	298	300	2	48437	102	4	293	587	66	160	7	1.72	134	5	2	3	4	4.26	3170	8
14FEN-02	300	302	2	48438	115	4	325	525	58.5	253	5	1.68	130	5	2	5	4	4.07	2930	9
14FEN-02	302	304	2	48439	114	3	322	705	64.8	232	8	1.8	129	5	3	4	4	4.16	3010	9
14FEN-02	304	306	2	48440	140	3	268	665	81	171	10	1.97	121	5	3	3	4	4.4	3360	8
14FEN-02	306	308	2	48441	115	3	403	872	83.6	651	20	2	123	5	4	3	4	4.49	3780	8
14FEN-02	308	310	2	48442	139	5	595	728	92.3	263	15	2.59	122	5	3	4	4	4.36	4010	9
14FEN-02	310	312	2	48443	152	4	359	640	90.4	614	14	2.75	130	5	3	3	4	4.77	4090	9
14FEN-02	312	314	2	48444	78	4	321	270	99.3	1750	15	2.03	118	5	1	8	4	4.63	5050	9
14FEN-02	314	316	2	48445	151	4	312	635	88.8	2050	17	2.1	124	5	3	3	5	4.4	4210	9
14FEN-02	316	318	2	48446	199	5	438	429	99.9	1310	13	1.99	111	5	2	5	4	4.57	4440	8
14FEN-02	318	320	2	48447	427	11	2070	2950	185	1760	42	2.58	114	5	14	6	4	4.99	4870	8
14FEN-02	320	322	2	48448	106	5	727	1730	68.1	2060	15	2.06	121	5	8	15	4	4.48	5150	9
14FEN-02	322	324	2	48449	96	4	642	1810	65.2	242	14	2.05	113	5	8	3	4	4.31	5630	9
14FEN-02	324	326	2	48450	93	5	736	1380	52.6	285	24	2	111	5	6	5	4	4.64	6700	8
14FEN-02	326	328	2	48451	140	6	870	1690	124	1220	31	1	102	5	8	5	4	3.58	9080	8
14FEN-02	328	330	2	48452	246	10	1880	2710	130	377	36	1.05	118	9	12	3	4	3	8370	9
14FEN-02	330	332	2	48453	353	8	1530	2250	253	1110	22	1.23	131	6	10	12	5	3.53	7680	10
14FEN-02	332	334	2	48454	287	6	2060	4090	102	600	12	1.24	131	5	19	6	5	3.99	7580	9
14FEN-02	334	336	2	48455	271	6	2020	4200	137	345	6	1.53	131	5	17	5	5	3.84	4980	9
14FEN-02	336	338	2	48456	229	5	933	413	260	65	8	1.18	93	7	2	4	4	3.29	7160	9
14FEN-02	338	340	2	48457	184	1	80	145	34.8	26	5	4.25	89	2.5	1	3	4	4.23	4920	9
14FEN-02	340	342	2	48458	441	3	75	47	14.2	30	9	4.84	80	32	1	3	3	4.68	2120	8
14FEN-02	342	344	2	48459	192	1	41	34	13.1	29	5	2.5	77	10	1	3	3	4.99	4110	8
14FEN-02	344	346	2	48460	98	1	29	30	7.9	6	5	2.5	80	10	1	2	4	5.24	4750	9
14FEN-02	346	348	2	48461	827	38	3760	3790	137	2110	676	2.5	78	13	17	6	4	6.82	6550	8
14FEN-02	348	350	2	48462	744	8	1340	1220	38	2580	283	2.5	79	5	5	13	3	5.79	7610	8

Geological and Geochemical Data Summary																																				
Hole ID	From	To	Interval	Sample No	Au		Ag		Pb		Zn		Cu		As		Sb		S		Ba		Bi		Cd		Co		Cr		Fe		Mn		Ni	
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm						
14FEN-02	357	359	2	48466	35	2	163	203	12.2	9	7	4.7	81	5	1	5	3	4.55	3400	8																
14FEN-02	359	361	2	48467	158	2	257	173	10.6	46	6	4.89	86	5	1	5	3	4.85	3710	9																
14FEN-02	361	363	2	48468	22	3	153	209	9.4	19	6	4.2	101	5	1	8	3	4.32	5230	8																
14FEN-03	3	6	3	48469	5	2	21	101	10.7	35	6	0.39	107	5	1	5	6	1.69	2970	11																
14FEN-03	6	8	2	48470	5	2	4	79	8.6	21	5	0.25	183	5	1	5	7	1.94	3920	10																
14FEN-03	8	10	2	48471	5	2	5	101	4.1	26	5	0.25	88	5	1	5	6	1.64	3710	10																
14FEN-03	10	12	2	48472	5	2	5	80	8.3	18	5	0.25	183	5	1	5	7	1.62	3050	10																
14FEN-03	12	14	2	48473	7	2	64	175	12	27	5	0.34	148	5	1	5	6	2.01	5820	9																
14FEN-03	14	16	2	48474	36	2	120	248	7.5	19	6	0.35	292	5	1	4	6	1.99	6520	9																
14FEN-03	16	18	2	48475	5	2	4	48	5.7	15	5	0.29	361	5	1	4	6	1.53	4510	10																
14FEN-03	18	20	2	48476	5	2	16	119	8.9	15	5	0.24	295	5	1	4	6	1.84	5780	10																
14FEN-03	20	22	2	48477	25	3	449	655	14.9	98	15	0.72	147	5	1	5	7	2.8	10000	12																
14FEN-03	22	24	2	48478	9	2	325	672	5.3	20	8	0.49	146	5	1	4	6	2.29	10000	10																
14FEN-03	24	26	2	48479	69	6	194	1000	16.9	133	14	3.59	81	5	2	3	3	5.09	10000	5																
14FEN-03	26	28	2	48480	43	3	182	3420	30.2	205	16	1.9	93	5	16	2	2	3.74	10000	5																
14FEN-03	28	30	2	48481	47	7	175	2840	33	499	38	2.97	43	5	12	4	2	4.26	10000	4																
14FEN-03	30	32	2	48482	20	7	152	2850	29.9	235	23	2.05	61	5	13	5	3	4.49	10000	4																
14FEN-03	32	34	2	48483	15	2	106	3030	21.8	162	6	1.56	175	5	14	4	3	3.84	10000	4																
14FEN-03	34	36	2	48484	26	3	192	2900	22.2	854	10	1.4	148	5	13	5	4	4.23	10000	5																
14FEN-03	36	38	2	48485	34	5	408	3050	21.6	223	23	1.92	176	5	14	4	4	3.76	10000	7																
14FEN-03	38	40	2	48486	16	4	503	1540	8.8	80	18	0.57	254	5	5	6	6	3.29	10000	11																
14FEN-03	40	42	2	48487	15	4	337	2590	24.2	123	8	0.76	66	5	10	6	3	5.13	8890	4																
14FEN-03	42	44	2	48488	46	6	346	1020	19.9	856	26	0.99	197	5	2	18	4	5.66	10000	4																
14FEN-03	44	46	2	48489	32	6	373	2720	27	628	25	1.79	70	5	10	3	4	5.2	10000	4																
14FEN-03	46	48	2	48490	15	4	103	1190	26.5	419	32	1.62	85	5	3	2	4	4.69	10000	5																
14FEN-03	48	50	2	48491	24	4	84	1270	23.6	146	33	2.01	79	5	3	3	4	5.15	10000	4																
14FEN-03	50	52	2	48492	24	3	111	724	22.6	236	34	1.29	55	5	1	2	3	3.89	10000	4																
14FEN-03	52	54	2	48493	98	6	403	1390	21.8	1550	35	2.39	67	5	4	4	3	4.74	10000	5																
14FEN-03	54	56	2	48494	81	8	963	1650	37	1250	43	1.91	115	5	5	2	4	4.6	10000	5																
14FEN-03	56	58	2	48495	76	10	1180	3060	46.8	1260	49	2.17	71	5	12	3	4	4.49	10000	5																
14FEN-03	58	60	2	48496	86	5	260	147																												

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-03	88	90	2	48511	136	4	265	3180	28.2	552	15	2.12	73	5	13	14	6	5.55	6780	11
14FEN-03	90	92	2	48512	674	18	275	1820	28.9	860	22	1.95	86	35	6	23	7	5.32	7430	11
14FEN-03	92	94	2	48513	84	2	148	1700	23.7	686	15	1.35	122	5	6	13	6	4.62	8000	10
14FEN-03	94	96	2	48514	47	3	414	1590	23.7	97	19	1.62	76	5	4	5	5	5.09	9330	13
14FEN-03	96	98	2	48515	40	4	455	1610	27.1	192	15	1.36	82	5	4	3	4	5.31	10000	12
14FEN-03	98	100	2	48516	117	5	370	1910	30.8	2240	27	1.43	147	7	7	24	3	4.19	10000	5
14FEN-03	100	102	2	48517	18	2	149	909	26	79	15	1.55	115	5	1	4	4	4.55	9110	8
14FEN-03	102	104	2	48518	27	2	150	803	20.7	77	12	1.42	62	5	1	4	4	4.2	6330	6
14FEN-03	104	106	2	48519	59	5	316	872	19.8	833	11	1.98	50	5	1	4	4	4.78	7180	7
14FEN-03	106	108	2	48520	23	2	165	702	18.4	66	9	1.21	62	5	1	3	3	3.86	7190	5
14FEN-03	108	110	2	48521	49	3	273	901	24.4	497	10	1.7	49	5	1	4	4	4.86	7900	7
14FEN-03	110	112	2	48522	52	3	243	1050	22.6	1550	7	1.22	45	5	2	4	4	4.52	9420	8
14FEN-03	112	114	2	48523	79	4	349	1140	21.6	4150	10	2.48	110	5	3	6	4	5.01	7280	12
14FEN-03	114	116	2	48524	62	2	138	884	20.3	800	5	1.04	47	5	1	7	4	4.78	7870	12
14FEN-03	116	118	2	48525	27	2	114	1020	17	199	5	1.68	39	5	3	8	4	3.95	5760	11
14FEN-03	118	120	2	48526	35	3	384	1620	24.8	451	6	1.29	36	5	6	6	4	4.08	9480	7
14FEN-03	120	122	2	48527	45	3	402	1710	31.4	444	7	0.82	42	5	7	6	3	3.24	7620	7
14FEN-03	122	124	2	48528	70	4	615	1760	22.1	1100	8	0.99	53	5	8	4	3	2.88	7200	6
14FEN-03	124	126	2	48529	64	6	873	1430	13.2	215	5	4.05	96	5	6	8	3	4.54	6430	4
14FEN-03	126	128	2	48530	87	4	376	1060	31.8	815	17	3.32	63	5	3	11	5	4.83	6800	9
14FEN-03	128	130	2	48531	88	3	320	871	26.6	976	17	1.26	76	5	2	7	5	3.04	7170	7
14FEN-03	130	132	2	48532	110	3	218	478	34.4	1350	16	1.75	67	5	1	13	5	3.96	6000	9
14FEN-03	132	134	2	48533	31	2	179	625	28.2	348	6	1.94	79	5	1	10	6	4.45	4300	9
14FEN-03	134	136	2	48534	51	2	182	521	26.2	843	8	2.04	96	5	1	15	6	4.79	4280	9
14FEN-03	136	138	2	48535	67	2	137	800	31	526	10	2.67	51	5	1	13	5	5.1	3080	13
14FEN-03	138	140	2	48536	72	3	292	1400	30.4	1940	11	2.06	55	5	4	29	6	5.04	4390	21
14FEN-03	140	142	2	48537	180	3	283	1760	23	2510	15	2.65	76	5	6	16	5	4.48	3030	10
14FEN-03	142	144	2	48538	24	2	182	1090	32.1	107	9	1.89	69	5	2	8	6	4.38	2970	10
14FEN-03	144	146	2	48539	13	2	81	543	18.7	47	7	1.17	58	5	1	6	5	3.63	2840	8
14FEN-03	146	148	2	48540	9	2	59	540	22.8	48	8	1.69	55	5	1	7	6	4.22	3020	8
14FEN-03	148	150	2	48541	44	2	102	704	23.7	2360	11	2.11	83	5	1	25	5	4.38	2880	8
14FEN-03	150	152	2	48542	10	2	64	728	22.2	67	8	1.65	53	5	1	6	5	4.01	2760	6
14FEN-03	152	154	2	48543	9	2	57	1030	19.4	65	12	1.6	78	5	2	7	4	4.22	3020	7
14FEN-03	154	156	2	48544	9	2	71	950	26.4	75	9	1.75	132	5	2	11	6	4.66	3380	10
14FEN-03	156	158	2	48545	12	2	87	1020	23.7	219	14	1.89	69	5	2	14	5	4.61	3770	14
14FEN-03	158	160	2	48546	20	2	88	921	25.9	67	13	1.86	114	5	2	8	5	4.63	3770	17
14FEN-03	160	162	2	48547	13	2	96	918	25.8	88	11	1.89	173	5	2	12	6	4.33	3200	14
14FEN-03	162	164	2	48548	23	2	135	1050	27.3	44	19	2.27	148	5	2	10	6	4.68	3830	15
14FEN-03	164	166	2	48549	20	4	282	1180	29.6	49	7	2.6	116	5	3	11	4	4.88	4200	9
14FEN-03	166	168	2	48550	11	2	144	499	26.7	61	5	1.24	129	5	1	13	4	4.17	3670	25
14FEN-03	168	170	2	48551	20	4	296	1190	27.8	97	6	1.26	157	5	2	14	4	4.9	4300	31
14FEN-03	170	172	2	48552	295	3	209	924	30.1	120	7	2.83	109	5	1	17	4	5.06	4230	13
14FEN-03	172	174	2	48553	4															

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-03	178	180	2	48556	18	2	257	1480	24.4	51	5	1.7	124	5	4	8	5	4.25	2820	22
14FEN-03	180	182	2	48557	18	2	76	683	25.3	202	7	1.73	118	5	1	10	6	4.33	2920	17
14FEN-03	182	184	2	48558	36	2	70	241	20.4	178	7	1.55	115	5	1	8	6	4.53	3480	14
14FEN-03	184	186	2	48559	173	14	498	616	35.8	264	21	3.53	124	23	1	9	8	6.7	4210	17
14FEN-03	186	188	2	48560	9	2	162	918	23.8	208	7	1.68	148	5	1	10	7	4.58	4390	14
14FEN-03	188	190	2	48561	13	2	194	647	27.5	107	6	2.02	166	5	1	8	6	4.56	3420	14
14FEN-03	190	192	2	48562	13	2	83	866	21.9	55	5	1.45	123	5	1	6	8	4.09	3450	11
14FEN-03	192	194	2	48563	16	2	84	692	24.8	36	5	1.36	116	5	1	6	6	4.09	3360	15
14FEN-03	194	196	2	48564	11	2	103	739	21.7	92	5	1.19	134	5	1	7	7	4.43	3880	16
14FEN-03	196	198	2	48565	14	2	100	476	20.2	117	5	1.44	121	5	1	7	6	4.35	4060	12
14FEN-03	198	200	2	48566	14	2	154	520	29.3	116	9	2.25	125	5	1	7	6	4.77	3520	14
14FEN-03	200	202	2	48567	19	2	110	840	23.3	359	6	1.65	133	5	1	11	6	4.6	3630	21
14FEN-03	202	204	2	48568	27	2	105	576	25.6	222	6	1.88	127	5	1	7	6	4.8	3850	21
14FEN-03	204	206	2	48569	18	2	66	622	17.3	48	5	0.94	123	5	1	2	6	3.62	3550	15
14FEN-03	206	208	2	48570	8	2	103	923	20.9	49	6	1.05	132	5	2	6	6	4.2	4760	16
14FEN-03	208	210	2	48571	5	2	92	629	14.1	21	5	0.86	150	5	1	5	6	4.78	5390	13
14FEN-03	210	212	2	48572	5	2	131	304	24.4	17	5	1.36	179	5	1	6	4	5.81	5320	10
14FEN-03	212	214	2	48573	9	2	95	773	25.4	27	5	1.34	147	5	1	5	5	4.31	4120	10
14FEN-03	214	216	2	48574	22	3	148	1140	57.3	227	20	3.85	92	5	2	8	6	6.26	2700	11
14FEN-03	216	218	2	48575	45	2	167	1200	28.5	146	5	1.91	122	5	3	7	7	4.98	4620	11
14FEN-03	218	220	2	48576	37	2	188	772	35.2	768	5	0.55	168	5	2	11	7	3.35	3950	12
14FEN-03	220	222	2	48577	12	3	165	925	26.5	129	5	1.67	99	5	2	5	6	4.75	4040	11
14FEN-03	222	224	2	48578	11	2	159	895	32.9	203	5	1.46	108	5	1	8	6	4.88	4230	9
14FEN-03	224	226	2	48579	43	3	186	753	32.5	2460	7	1.89	101	5	1	30	6	5.13	3590	11
14FEN-03	226	228	2	48580	35	9	572	744	30.4	163	21	2.01	130	14	1	7	5	4.65	3780	9
14FEN-03	228	230	2	48581	19	2	160	711	29.8	133	5	1.52	167	5	1	6	5	4.28	4220	8
14FEN-03	230	232	2	48582	21	2	158	792	16.2	107	5	1	153	5	2	4	3	2.83	3700	7
14FEN-03	232	234	2	48583	5	2	203	523	24.2	30	5	1.4	130	5	1	5	4	4.28	5660	10
14FEN-03	234	236	2	48584	9	2	142	842	16.7	584	7	0.96	138	5	3	10	3	2.26	3270	3
14FEN-03	236	238	2	48585	5	2	158	560	14.2	47	6	0.6	220	5	2	4	4	1.69	3210	2
14FEN-03	238	240	2	48586	10	2	152	381	13.4	297	5	0.77	110	5	1	7	3	1.77	2810	2
14FEN-03	240	242	2	48587	11	2	143	329	10.3	331	5	0.63	124	5	1	5	3	1.28	1770	3
14FEN-03	242	244	2	48588	10	2	113	509	16.3	338	6	0.88	134	5	1	4	3	2.23	3900	7
14FEN-03	244	246	2	48589	20	3	363	1390	24	275	9	1.97	91	5	4	5	4	2.49	4080	5
14FEN-03	246	248	2	48590	6	2	131	297	8.7	7	5	2.71	70	5	1	4	3	2.92	5160	5
14FEN-03	248	250	2	48591	6	2	69	91	5.7	7	5	2.39	69	5	1	2	3	2.7	4760	4
14FEN-03	250	252	2	48592	14	4	256	24	5.9	14	5	2.5	76	9	1	2	3	2.75	3300	4
14FEN-03	252	254	2	48593	15	6	569	2160	15.9	20	7	2.36	68	13	8	2	3	2.63	3910	5
14FEN-03	254	256	2	48594	14	4	447	276	7.7	16	5	2.06	71	6	1	2	4	2.39	4970	5
14FEN-03	256	258	2	48595	25	3	336	1030	21.1	62	10	1.91	88	5	3	2	4	2.3	3900	4
14FEN-03	258	260	2	48596	20	3	496	1350	27.8	163	16	1.53	80	5	5	3	4	2.33	4340	6
14FEN-03	260	262	2	48597	29	2	385	1040	28.9	556	17	0.61	87	5	4	3	4	1.83	6240	4
14FEN-03	262	264	2	48598	14	2	231	312	15.7	137</td										

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-03	268	270	2	48651	23	4	669	995	27.6	35	10	1.35	79	5	4	2	4	2.48	3740	3
14FEN-03	270	272	2	48652	19	3	422	953	17.3	14	6	0.87	48	5	4	2	3	2.04	3800	2
14FEN-03	272	274	2	48653	5	3	408	1300	24	132	6	1.54	54	5	5	1	2	2.52	3650	2
14FEN-03	274	276	2	48654	16	3	423	1000	18.6	1110	5	1.28	55	5	3	1	2	2.25	3420	2
14FEN-03	276	278	2	48655	13	2	342	616	20	462	8	1.28	66	5	2	2	2	2.18	3590	3
14FEN-03	278	280	2	48656	22	2	293	490	16.7	171	5	1.03	56	5	1	1	2	1.77	3280	3
14FEN-03	280	282	2	48657	17	2	312	893	20.5	94	6	1.21	63	5	3	1	2	2.17	4290	4
14FEN-03	282	284	2	48658	8	2	150	443	18.5	237	7	1.12	87	5	1	2	2	1.93	2750	3
14FEN-03	284	286	2	48659	27	2	60	318	21.3	192	6	1.48	85	5	1	1	1	2.49	2440	4
14FEN-03	286	288	2	48660	7	2	74	257	22.2	598	5	1.68	102	5	1	1	2	3.6	3860	7
14FEN-03	288	290	2	48661	7	2	61	263	21	484	5	1.65	96	5	1	2	2	3.16	3190	5
14FEN-03	290	292	2	48662	65	2	75	172	17.5	4990	6	2.37	92	5	1	15	2	3.39	1910	7
14FEN-03	292	294	2	48663	5	2	94	351	27.8	191	5	1.84	96	5	1	2	3	3.64	3340	7
14FEN-03	294	296	2	48664	24	2	139	442	29.4	417	6	2.26	90	5	1	2	3	4.08	3470	7
14FEN-03	296	298	2	48665	32	2	145	475	32.2	64	7	1.88	88	5	1	2	3	4.14	4780	7
14FEN-03	298	300	2	48666	31	4	184	510	33.1	310	8	2.08	88	6	1	8	2	3.9	3860	7
14FEN-03	300	302	2	48667	11	2	178	894	36.2	26	8	1.88	90	5	2	4	3	4.16	4520	7
14FEN-03	302	304	2	48668	24	2	215	495	29.9	98	8	2.09	89	5	1	2	3	4.3	5030	8
14FEN-03	304	306	2	48669	23	2	281	674	37.6	339	7	1.84	95	5	1	2	3	4.04	5330	8
14FEN-03	306	308	2	48670	39	2	320	747	55.4	1010	10	2.26	210	5	1	1	4	4.54	5750	9
14FEN-03	308	310	2	48671	57	2	453	1130	44.3	600	8	2.06	261	5	3	1	4	4.22	6150	8
14FEN-03	310	312	2	48672	57	2	311	1240	48.6	540	10	1.9	276	5	3	2	4	4.27	5950	8
14FEN-03	312	314	2	48673	76	4	634	1710	80.9	699	12	2.02	95	5	5	2	3	4.02	6130	8
14FEN-03	314	316	2	48674	62	6	978	2150	59.4	194	12	3.04	172	6	7	5	4	4.92	5810	8
14FEN-03	316	318	2	48675	112	6	1160	2970	57.5	942	13	2.45	95	6	12	5	4	4.45	5500	9
14FEN-03	318	320	2	48676	110	5	1030	1600	20.7	1210	8	1.09	120	5	5	10	4	3.46	6030	7
14FEN-03	320	322	2	48677	9	6	648	1160	53.2	49	10	1.64	108	7	3	2	4	4.17	5840	6
14FEN-03	322	324	2	48678	23	7	1280	3090	100	439	35	1.37	103	7	12	4	3	3.78	8090	7
14FEN-03	324	326	2	48679	36	9	1360	3120	113	287	63	1.41	85	11	16	3	3	3.13	6280	7
14FEN-03	326	328	2	48680	41	5	935	2090	44.3	1100	14	2.27	89	5	7	2	4	4.29	4930	7
14FEN-03	328	330	2	48681	48	6	1330	2010	54.1	205	19	1.87	99	5	7	4	4	4.22	5420	8
14FEN-03	330	332	2	48682	31	3	476	546	36.2	765	13	2.23	98	5	1	4	3	4.23	4010	7
14FEN-03	332	334	2	48683	30	4	650	790	37.2	957	16	2.79	126	5	1	10	3	4.44	3410	8
14FEN-03	334	336	2	48684	6	3	640	773	45.8	411	15	2.28	97	5	1	13	3	4.73	4100	8
14FEN-03	336	338	2	48685	13	2	673	914	36.7	94	15	2.75	97	5	1	8	3	4.87	3750	8
14FEN-03	338	340	2	48686	27	3	752	1090	30.6	488	8	2.5	197	5	2	2	4	4.77	4260	8
14FEN-03	340	342	2	48687	13	2	423	771	26.2	600	8	2.22	106	5	1	1	3	4.43	3830	7
14FEN-03	342	344	2	48688	71	2	274	183	32.6	2650	8	3.23	167	5	1	9	3	4.88	3100	7
14FEN-03	344	346	2	48689	30	3	302	379	33.3	421	7	1.89	112	5	1	3	3	4.2	2990	9
14FEN-03	346	348	2	48690	67	2	262	454	39.8	1870	8	3.76	107	5	1	7	3	5.26	2700	8
14FEN-03	348	350	2	48691	60	4	293	338	34.1	3230	9	3.01	94	9	1	11	3	4.43	2320	8
14FEN-03	350	352	2	48692	37	3	257	775	27	385	6	2.62	123	5	1	4	3	4.65	3260	8
14FEN-03	352	354	2	48693	7	2	130	767												

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-03	358	360	2	48696	20	3	274	595	33.4	2130	10	1.95	107	6	1	5	3	4.24	3490	7
14FEN-03	360	362	2	48697	18	3	345	758	43.9	1270	11	2.24	129	6	1	4	4	4.58	4000	9
14FEN-03	362	364	2	48698	13	2	245	847	41.9	1650	9	2.31	102	5	2	3	3	4.03	2790	7
14FEN-03	364	366	2	48699	15	2	191	1140	57.3	870	13	2.82	107	5	3	2	3	4.5	2750	8
14FEN-03	366	368	2	48700	9	2	127	874	51.8	847	13	2.42	106	5	2	3	3	4.13	2750	8
14FEN-03	368	370	2	48701	5	2	102	1440	59.5	336	13	2.46	94	5	5	2	3	4.21	2730	7
14FEN-03	370	372	2	48702	6	2	111	1580	52.1	479	19	2.12	123	5	9	2	3	4.69	3430	12
14FEN-03	372	374	2	48703	11	3	113	2110	53.1	1130	23	2.2	122	5	11	3	3	4.69	3320	11
14FEN-03	374	376	2	48704	24	3	104	1720	63.3	1990	22	2.29	97	5	10	6	3	4.64	2820	8
14FEN-03	376	378	2	48705	20	4	149	1310	66.4	806	17	1.98	101	7	8	4	3	4.37	2900	8
14FEN-03	378	380	2	48706	32	3	159	1490	78.1	846	13	2.42	114	5	9	4	4	4.87	3460	9
14FEN-03	380	382	2	48707	37	3	218	1700	114	720	20	2.3	117	5	10	4	3	4.87	3330	9
14FEN-03	382	384	2	48708	53	3	302	1730	99.8	1210	18	2.39	114	5	9	3	4	4.99	3760	8
14FEN-03	384	386	2	48709	23	3	353	1840	113	298	14	1.94	111	5	10	3	4	4.65	4660	8
14FEN-03	386	388	2	48710	276	4	1470	4040	128	6960	307	2.68	83	5	21	2	4	4.43	3250	7
14FEN-03	388	390	2	48711	419	6	1340	4810	114	4290	111	3.45	96	18	26	6	4	5.3	3440	7
14FEN-03	390	392	2	48712	25	4	150	2880	91.3	1760	13	2.43	95	5	16	5	4	4.82	3370	8
14FEN-03	392	394	2	48713	86	8	1270	3510	116	2550	26	2.05	93	8	20	4	4	4.46	4650	7
14FEN-03	394	396	2	48714	51	5	637	3350	103	1680	29	2.1	98	5	18	4	4	4.15	3840	7
14FEN-03	396	398	2	48715	24	4	281	2730	97.7	1700	16	2.18	98	5	15	4	4	5.09	4840	7
14FEN-03	398	400	2	48716	73	3	307	2120	69.7	5070	21	2.02	99	5	12	12	4	4.61	3860	7
14FEN-03	400	402	2	48717	30	4	347	1190	101	422	13	1.79	87	5	7	5	4	4.29	4190	7
14FEN-03	402	404	2	48718	100	3	319	2160	66.3	4770	15	2.46	92	20	12	24	4	4.17	2880	7
14FEN-03	404	406	2	48719	10	2	189	1860	73.9	497	7	1.77	100	5	10	4	3	4.16	3000	7
14FEN-03	406	408	2	48720	13	2	162	1070	70.5	416	6	1.79	117	5	6	2	4	4.22	3110	7
14FEN-03	408	410	2	48721	31	2	151	1030	84.5	3060	12	1.84	101	5	6	8	3	3.76	2050	7
14FEN-03	410	412	2	48722	31	2	167	1270	81.2	140	6	1.7	113	5	7	5	3	4.39	3270	7
14FEN-03	412	414	2	48723	84	2	204	555	92.3	3770	27	2.23	92	5	4	18	3	4.45	2740	7
14FEN-03	414	416	2	48724	26	2	93	983	82.4	186	7	2.17	94	5	7	8	3	4.78	3130	8
14FEN-03	416	418	2	48725	7	2	136	1010	86.8	24	10	1.86	121	5	7	3	3	4.76	3460	8
14FEN-03	418	420	2	48726	55	4	209	605	77.4	2390	12	2.45	102	5	1	17	3	4.77	4270	8
14FEN-03	420	422	2	48727	78	5	394	782	84.5	367	14	1.95	107	5	5	8	3	4.59	5980	8
14FEN-03	422	424	2	48728	22	4	177	583	106	42	17	1.83	80	5	4	6	3	4.03	4700	10
14FEN-03	424	426	2	48729	15	3	226	697	72.3	61	23	1.52	62	5	4	3	3	3.12	3540	7
14FEN-03	426	428	2	48730	16	2	224	1460	50.9	126	10	0.86	85	5	8	3	3	2.64	4100	4
14FEN-03	428	430	2	48731	13	2	2	1	0.5	3	5	0.01	5	5	1	1	1	0.01	2	1
14FEN-03	430	432	2	48732	13	2	2	1	0.5	3	5	0.01	5	5	1	1	1	0.01	2	1
14FEN-03	432	434	2	48733	8	3	330	1330	99.3	97	14	1.84	86	5	9	3	3	4.93	4410	7
14FEN-03	434	436	2	48734	50	5	703	1850	112	482	31	2.3	91	5	11	2	3	5.25	4750	9
14FEN-03	436	438	2	48735	138	3	550	1400	101	1710	88	1.86	154	5	8	2	4	3.23	2080	6
14FEN-03	438	440	2	48736	32	3	314	619	104	1680	28	2.62	90	5	5	5	4	4.93	2840	8
14FEN-03	440	442	2	48737	22	2	171	511	89.7	738	18	1.63	94	5	4	4	3	4.08	3100	8
14FEN-03	442																			

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-03	448	450	2	48741	109	7	602	758	280	235	33	1.73	127	74	6	4	5	5.18	4120	12
14FEN-03	450	452	2	48742	54	5	650	430	178	90	18	0.76	62	15	3	4	5	3.32	4490	10
14FEN-03	452	454	2	48743	49	3	103	128	275	54	29	0.59	47	12	1	7	4	2.64	4600	3
14FEN-03	454	456	2	48744	200	7	501	492	359	173	81	2.23	70	28	4	4	5	5.14	6390	9
14FEN-03	456	458	2	48745	42	3	48	75	251	88	12	3.71	103	18	2	4	3	5.42	4860	8
14FEN-03	458	460	2	48746	41	7	383	276	254	197	38	3.97	98	25	3	5	3	4.84	3340	10
14FEN-03	460	462	2	48747	75	5	216	98	360	87	32	3.13	77	27	2	7	4	3.66	1570	8
14FEN-03	462	464	2	48748	146	5	253	631	463	137	61	3.08	98	25	4	12	4	4.41	2160	7
14FEN-03	464	466	2	48749	413	10	522	259	446	169	75	3.04	88	37	2	10	3	3.36	841	6
14FEN-03	466	468	2	48750	494	13	393	309	1450	191	105	3.49	110	65	3	13	4	3.62	489	5
14FEN-03	468	470	2	48751	49	2	62	30	17.3	71	14	4.81	96	25	2	5	4	4.72	581	11
14FEN-03	470	472	2	48752	32	2	38	24	8.1	56	10	4.04	115	23	2	3	3	4.57	2260	9
14FEN-03	472	474	2	48753	30	2	41	18	9.7	68	5	4.73	102	21	2	5	4	5.21	2680	10
14FEN-03	474	476	2	48754	68	3	85	55	25.5	105	15	5	94	22	3	5	4	5.51	1050	11
14FEN-03	476	478	2	48755	140	3	163	19	15.8	58	12	3.61	85	8	2	5	4	4.13	2250	8
14FEN-03	478	480	2	48756	59	4	152	29	45.2	97	13	3.93	92	23	2	5	4	4.16	308	10
14FEN-03	480	482	2	48757	100	4	182	82	86.1	316	17	4.41	101	9	2	8	3	4.59	765	9
14FEN-03	482	484	2	48758	404	3	126	44	90	414	18	4.97	103	13	3	6	3	5.13	1120	10
14FEN-03	484	486	2	48759	197	10	468	579	536	121	73	4.24	87	15	5	6	3	4.32	1260	6
14FEN-03	486	488	2	48760	98	4	110	29	239	112	9	3.3	93	5	2	8	3	3.87	4160	9
14FEN-03	488	489.7	1.7	48761	40	3	129	78	192	30	14	2.06	134	26	1	6	3	2.28	1220	10
14FEN-03	489.7	492	2.3	48762	14	2	56	160	21.7	72	17	0.61	495	5	2	15	2	2.98	3470	3
14FEN-03	492	494	2	48763	57	2	44	129	23.3	86	18	0.76	599	5	2	7	1	3.49	4130	2
14FEN-03	494	496.4	2.4	48764	5	2	15	75	5.9	11	6	0.08	740	5	2	4	1	3.51	3920	1
14FEN-03	496.4	498	1.6	48765	273	7	601	532	144	106	9	3.6	123	12	4	6	3	4.14	2150	8
14FEN-03	498	500	2	48766	48	14	1780	1030	104	115	7	3.27	100	31	7	5	2	3.41	1720	9
14FEN-03	500	502	2	48767	49	6	508	1280	141	164	7	3.77	88	7	8	4	3	3.89	1790	10
14FEN-03	502	504	2	48768	36	2	212	103	29.3	131	5	3.31	76	5	2	9	3	3.49	1130	7
14FEN-03	504	506	2	48769	24	2	78	98	9.5	52	9	2.11	181	41	2	7	3	2.84	3550	9
14FEN-03	506	508	2	48770	15	2	59	745	28.1	25	7	1.3	291	54	5	7	3	1.95	2980	10
14FEN-03	508	510	2	48771	32	6	553	472	45.6	91	26	2.73	166	35	4	6	3	3.34	1350	10
14FEN-03	510	512	2	48772	35	2	67	30	12.6	281	16	3.57	122	37	2	7	4	3.69	79	10
14FEN-03	512	514.75	2.75	48773	17	10	1620	2300	38.8	32	22	2.36	194	39	13	6	4	2.65	275	11
14FEN-03	540.25	542	1.75	48774	37	3	129	82	391	1130	27	3.89	101	19	4	9	3	6.89	2630	5
14FEN-03	542	544	2	48775	23	5	196	243	282	1040	35	2.77	95	27	4	9	3	5.54	2800	6
14FEN-03	544	546	2	48776	39	3	101	344	284	294	10	2.91	146	18	4	8	3	4.88	2480	4
14FEN-03	546	548	2	48777	37	8	275	280	272	131	30	3.44	116	128	4	8	3	4.89	2550	4
14FEN-03	548	550	2	48778	31	16	221	135	262	168	37	5	87	111	3	11	3	5.56	1140	5
14FEN-03	550	552	2	48779	44	8	299	386	291	97	26	3.17	133	9	4	5	3	4.39	3110	5
14FEN-03	552	554	2	48780	87	4	40	84	296	22	15	3.59	110	5	2	11	3	4.62	2380	5
14FEN-03	554	556	2	48781	81	2	37	80	97.2	13	11	3.14	82	10	1	7	4	3.83	2440	8
14FEN-03	556	558	2	48782	21	4	50	99	27.4	14	13	3.46	77	22	1	6	3	4.13	2390	6
14FEN-03	558	560	2	48783	21</															

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
14FEN-03	564	566	2	48786	46	18	1270	302	333	682	77	3.76	75	27	2	4	3	5.01	3800	6
14FEN-03	566	568	2	48787	145	42	1940	783	413	995	198	3.86	78	84	4	13	3	4.1	1260	7
14FEN-03	568	570	2	48788	184	25	644	94	909	405	138	4.7	67	45	1	32	4	5.83	2880	5
14FEN-03	570	572	2	48789	107	15	910	423	381	486	60	3.88	59	22	2	7	3	4.81	3110	6
14FEN-03	572	574	2	48790	41	5	167	67	34.3	66	13	4.46	63	11	1	10	3	4.77	1960	6
14FEN-03	574	576	2	48791	71	8	225	98	24.8	43	22	3.53	58	24	1	6	4	3.91	1460	5
14FEN-03	576	578	2	48792	12	13	444	467	57.4	54	52	3.94	68	32	1	10	3	4.98	2830	6
14FEN-03	578	580	2	48793	54	15	449	454	207	834	48	4.62	52	31	1	20	4	5.09	1760	4
14FEN-03	580	582	2	48794	132	7	182	225	156	460	12	3.66	74	16	1	9	4	4.18	259	6
14FEN-03	582	583.3	1.3	48795	94	18	769	514	175	137	21	2.36	150	28	1	4	3	3.76	1430	8
14FEN-03	585.2	587	1.8	48796	38	10	469	608	139	100	22	2.11	176	12	1	7	4	3.86	1590	8
14FEN-03	587	589	2	48797	29	11	619	988	166	486	47	1.86	203	14	3	8	4	4.02	2940	8
14FEN-03	589	591	2	48798	99	9	542	687	187	2400	72	2	199	15	4	10	3	3.88	3030	8
14FEN-03	591	593	2	48799	77	10	524	836	188	1380	26	1.94	208	14	4	4	3	3.93	2840	8
14FEN-03	593	595	2	48800	50	10	556	462	136	1150	25	1.87	190	14	2	6	3	3.97	2740	8
14FEN-03	595	597	2	2198450	51	8	459	453	159	718	21	2.17	110	9	2	10	3	4.05	2530	9
14FEN-03	597	599	2	2198451	28	6	346	341	215	863	21	2.36	66	6	2	8	3	4.61	2290	9
14FEN-03	599	601	2	2198452	27	6	429	390	158	177	17	2.07	106	10	2	5	3	3.69	1810	8
14FEN-03	601	603	2	2198453	12	7	501	539	217	140	27	2.28	103	6	3	6	3	4.45	2140	8
14FEN-03	603	605	2	2198454	130	11	1040	1470	202	325	107	4.17	104	14	8	11	3	5.83	1720	9
14FEN-03	605	607	2	2198455	19	7	651	1380	178	104	93	2.22	100	8	7	6	3	4.13	2050	9
14FEN-03	607	609	2	2198456	5	5	435	201	194	34	78	1.88	105	2.5	1	9	4	4.43	2710	10
14FEN-04	16.80	21.00	4.20	230451	45	5	67	73	110	998	37	2.52	40	27	1	1	3	3.36	1970	4
14FEN-04	21.00	24.00	3.00	230452	123	7	142	117	72.8	506	51	3.44	51	36	1	3	3	3.93	2250	3
14FEN-04	24.00	27.00	3.00	230453	8	2	68	1490	29.5	1630	13	1.46	68	9	8	5	1	3.32	4610	3
14FEN-04	27.00	30.00	3.00	230454	19	2	80	1780	33.5	631	13	1.56	84	5	10	5	2	2.88	3310	3
14FEN-04	30.00	33.00	3.00	230455	8	2	49	2820	28.2	805	9	1.38	35	5	16	5	1	2.76	3540	2
14FEN-04	33.00	36.00	3.00	230456	5	2	56	1860	25.1	373	10	1.25	139	6	10	4	1	2.51	3500	2
14FEN-04	36.00	39.00	3.00	230457	10	2	27	590	11.5	143	5	2.3	46	6	3	5	2	2.54	1460	3
14FEN-04	39.00	42.00	3.00	230458	12	2	59	2830	24.2	186	18	1.64	151	10	16	5	2	2.7	3300	3
14FEN-04	42.00	45.00	3.00	230459	52	3	251	2680	27.5	356	14	2.38	199	9	14	6	2	3.24	2950	3
14FEN-04	45.00	48.00	3.00	230460	31	2	94	3380	27.3	193	15	1.3	166	5	19	5	3	3.02	4390	4
14FEN-04	48.00	51.00	3.00	230461	17	2	31	4750	28.9	186	8	1.83	157	5	28	7	3	3.52	3840	4
14FEN-04	51.00	54.00	3.00	230462	6	2	37	3650	26.6	124	8	1.66	164	6	21	6	3	3.54	3790	4
14FEN-04	54.00	57.00	3.00	230463	5	2	61	4310	29.3	260	12	1.39	116	5	25	6	3	3.5	5080	4
14FEN-04	57.00	60.00	3.00	230464	127	3	362	4230	31.7	271	11	1.53	70	8	24	6	3	3.5	5150	4
14FEN-04	60.00	63.00	3.00	230465	9	2	59	3140	25.4	488	10	1.31	44	6	17	5	3	3.01	4220	4
14FEN-04	63.00	65.40	2.40	230466	17	2	40	3200	30.1	1040	6	1.03	82	5	19	6	4	2.92	3570	4
14FEN-04	65.40	67.75	2.35	230467	13	2	41	3480	20.2	1250	5	1.88	83	5	20	6	2	3.17	3490	4
14FEN-04	69.10	72.00	2.90	230469	29	2	125	3870	30.8	1260	13	1.68	160	10	21	6	3	3.33	4860	5
14FEN-04	72.00	75.00	3.00	230470	27	2	76	4220	23.4	193	6	1.16	46	5	24	7	3	3.45	5780	4
14FEN-0																				

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-04	85.90	87.80	1.90	230475	67	7	299	72	5.7	96	44	5	38	21	1	8	3	5.86	2800	8
14FEN-04	87.80	89.50	1.70	230476	153	5	431	934	14.5	380	56	5	57	11	4	9	3	6.49	1500	6
14FEN-04	89.50	91.90	2.40	230477	129	7	939	1480	14.9	131	48	5	57	15	6	11	2	6.3	2980	4
14FEN-04	91.90	94.40	2.50	230478	56	4	92	339	7.9	161	8	4.46	136	22	1	19	3	5.1	5330	7
14FEN-04	94.40	96.90	2.50	230479	76	5	112	544	15	181	7	5	63	19	2	11	3	5.92	3460	7
14FEN-04	96.90	99.90	3.00	230480	53	4	419	487	17.5	187	13	5	40	14	7	12	4	6.44	607	12
14FEN-04	99.90	103.10	3.20	230481	41	2	55	294	10.4	125	5	5	80	6	5	12	3	4.91	1650	6
14FEN-04	107.45	107.70	0.25	230482	2170	68	10000	3440	639	800	326	5	66	5	18	8	5	7.79	3680	9
14FEN-04	110.40	113.10	2.70	230484	16	2	58	121	11.9	19	5	0.44	73	5	2	7	5	2.14	4370	7
14FEN-04	113.10	113.35	0.25	230485	1550	49	10000	10000	422	437	91	5	68	5	118	9	4	5.97	4550	8
14FEN-04	113.35	116.20	2.85	230486	23	2	66	146	11.7	32	5	0.5	222	5	2	7	5	2.24	7180	6
14FEN-04	116.20	119.05	2.85	230487	24	2	304	290	23	55	113	0.72	227	5	3	8	4	2.38	7130	7
14FEN-04	124.70	127.70	3.00	230490	93	4	517	2300	77.6	320	36	3.41	151	6	12	10	4	4.07	6720	6
14FEN-04	127.70	130.70	3.00	230491	167	5	1150	1750	56.4	204	120	4.85	121	5	10	10	4	4.89	6780	6
14FEN-04	130.70	133.70	3.00	230492	376	4	409	896	31.6	425	66	5	97	6	8	20	3	6.18	8400	5
14FEN-04	133.70	136.10	2.40	230493	23	2	28	251	68.9	58	5	3.14	74	8	4	9	3	4.24	6930	6
14FEN-04	136.10	137.05	0.95	230494	2890	45	10000	5070	1840	1280	1590	5	105	34	30	7	5	10.8	9590	6
14FEN-04	137.05	140.00	2.95	230495	170	10	1520	4640	104	333	184	5	60	6	24	6	3	5.27	6770	5
14FEN-04	140.00	143.00	3.00	230496	117	5	790	767	24.9	238	59	5	79	6	7	7	3	5.53	4120	5
14FEN-04	143.00	146.00	3.00	230497	48	3	55	1070	338	116	13	5	118	10	10	13	5	6.08	7520	15
14FEN-04	146.00	149.00	3.00	230498	14	2	11	37	12.7	40	5	4.86	123	7	4	5	5	4.52	2880	14
14FEN-04	149.00	152.00	3.00	230499	17	2	7	31	17.8	52	5	5	88	9	4	6	7	4.91	1720	13
14FEN-04	152.00	155.00	3.00	230500	26	2	11	876	56.1	58	5	5	64	8	8	8	5	6.74	2450	16
14FEN-04	155.00	158.00	3.00	230001	44	9	145	431	471	81	79	5	76	5	5	12	5	6.96	5240	18
14FEN-04	158.00	161.00	3.00	230002	5	2	59	1040	44.7	37	36	5	72	7	8	14	5	6.56	3280	17
14FEN-04	161.00	164.00	3.00	230003	5	2	7	637	45	14	17	5	82	8	6	9	5	6.18	3880	19
14FEN-04	164.00	166.90	2.90	230004	5	2	22	616	19.1	38	9	5	68	7	6	11	4	5.89	2890	27
14FEN-04	167.75	170.75	3.00	230005	5	2	16	684	25.3	67	6	5	53	10	7	8	5	6.55	3940	17
14FEN-04	170.75	173.75	3.00	230006	8	2	41	1840	45.1	141	11	4.69	76	18	10	9	5	6.68	6210	15
14FEN-04	176.75	179.75	3.00	230008	56	3	33	2390	129	212	12	3.51	61	6	14	18	5	6.79	10000	15
14FEN-04	179.75	182.75	3.00	230009	45	2	23	230	19.1	70	9	1.8	71	9	3	14	5	5.89	9460	14
14FEN-04	182.75	185.75	3.00	230010	54	3	118	2180	69.9	97	20	5	63	15	13	26	4	7.11	7330	17
14FEN-04	185.75	188.75	3.00	230011	24	2	44	966	45.6	33	11	3.35	98	9	6	7	4	4.57	6210	12
14FEN-04	188.75	191.75	3.00	230012	165	12	887	319	119	266	109	4.1	88	37	4	10	5	4.71	3230	12
14FEN-04	191.75	193.60	1.85	230013	66	3	61	841	54.6	270	24	2.91	43	8	7	8	4	4.41	10000	14
14FEN-04	193.60	196.45	2.85	230014	37	2	68	728	34	61	30	1.86	214	5	5	8	5	3.91	9020	14
14FEN-04	196.45	199.45	3.00	230015	78	2	178	1690	84.6	50	64	1.5	277	5	10	8	6	3.29	6990	14
14FEN-04	205.90	208.85	2.95	230016	80	2	51	1620	133	74	17	1.34	382	41	7	4	7	4.06	4370	8
14FEN-04	217.55	220.60	3.05	230017	38	2	87	285	66.6	45	18	2.98	167	7	3	5	4	4.48	6160	8
14FEN-04	220.60	223.70	3.10	230018	40	2	189	243	19.3	134	13	3.79	125	5	3	6	4	4.17	2680	7
14FEN-04	223.70	226.80	3.10																	

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-04	238.80	241.90	3.10	230024	25	2	35	1400	68	112	5	3.93	89	9	10	13	5	4.7	3170	7
14FEN-04	241.90	245.00	3.10	230025	34	2	58	628	8	68	7	5	59	22	8	9	4	5.53	755	7
14FEN-04	245.00	248.00	3.00	230026	51	2	60	2310	21.5	321	11	5	44	24	16	6	5	5.97	314	7
14FEN-04	248.00	251.00	3.00	230027	11	2	17	265	8.9	99	6	4.5	64	29	4	4	5	4.88	3690	7
14FEN-04	251.00	254.10	3.10	230028	106	3	11	63	47.7	55	22	4.99	58	9	3	4	4	5.15	1590	7
14FEN-04	254.10	257.10	3.00	230029	10	2	18	420	19.7	62	8	5	56	10	5	3	5	6.14	1190	7
14FEN-04	257.10	260.10	3.00	230030	10	2	14	259	16.2	24	7	4.28	112	8	3	5	5	4.49	2430	8
14FEN-04	260.10	263.10	3.00	230031	10	2	14	117	14.5	31	7	4.58	60	18	3	3	4	4.74	731	8
14FEN-04	263.10	266.20	3.10	230032	13	2	21	64	17.7	50	11	5	62	26	3	4	6	6.06	354	9
14FEN-04	266.20	269.30	3.10	230033	18	2	8	30	21	220	6	4.98	54	25	3	9	5	5.4	2270	8
14FEN-04	269.30	272.30	3.00	230034	21	2	6	15	8.7	36	5	3.16	104	22	2	6	5	3.31	1430	7
14FEN-04	272.30	275.30	3.00	230035	16	2	7	45	7.5	29	5	4.07	98	13	2	3	5	4.25	1720	8
14FEN-04	275.30	278.30	3.00	230036	50	5	75	400	37.7	55	30	5	67	45	5	6	6	6.17	458	8
14FEN-04	278.30	281.30	3.00	230037	19	2	16	56	9.1	59	9	5	63	11	3	3	5	5.67	382	7
14FEN-04	281.30	284.30	3.00	230038	22	2	50	20	7.1	57	10	4.72	76	14	3	4	6	5.13	2680	8
14FEN-04	284.30	287.30	3.00	230039	37	6	184	1240	128	170	17	2.23	85	19	8	2	5	3.67	6170	7
14FEN-04	287.30	290.30	3.00	230040	62	6	391	3150	82.5	2040	15	2.28	78	11	17	5	5	4.5	8240	8
14FEN-04	316.80	319.80	3.00	230041	108	2	449	1890	39.3	670	26	1.51	119	5	11	10	5	3.97	4750	16
14FEN-04	319.80	322.70	2.90	230042	23	3	319	2290	55	263	14	1.56	258	5	13	5	4	4.12	5650	9
14FEN-04	322.70	325.60	2.90	230043	6	2	99	1100	39.5	99	11	1.29	307	5	8	4	5	4.2	4570	9
14FEN-04	325.60	328.50	2.90	230044	17	2	144	1460	40	322	11	1.41	238	5	9	5	5	3.54	4780	8
14FEN-04	328.50	331.40	2.90	230045	12	2	101	1390	35.9	105	12	1.2	390	5	8	3	4	3.66	5220	7
14FEN-04	331.40	334.30	2.90	230046	18	2	99	960	31	970	10	1.36	448	5	6	7	5	3.39	3630	8
14FEN-04	334.30	337.20	2.90	230047	22	3	341	1630	48.9	1340	14	1.49	338	5	9	6	5	4.01	7060	8
14FEN-04	337.20	340.10	2.90	230048	5	2	76	1520	49.2	55	10	1.7	274	6	10	3	4	3.76	3190	8
14FEN-04	340.10	343.00	2.90	230049	11	2	74	1330	34.6	736	10	1.15	469	5	8	5	5	3.67	3900	8
14FEN-04	343.00	345.90	2.90	230050	10	2	62	944	28.4	633	6	1.04	87	5	6	5	6	2.79	2920	7
14FEN-04	345.90	348.80	2.90	230051	18	2	104	1070	44.2	990	10	1.95	77	5	8	8	4	4.65	4200	7
14FEN-04	348.80	351.70	2.90	230052	11	2	138	1710	60.6	315	11	2.17	71	7	11	5	5	4.93	3890	8
14FEN-04	351.70	354.60	2.90	230053	19	2	97	1160	38.1	3190	13	1.83	54	5	8	15	6	4.36	3090	8
14FEN-04	354.60	357.50	2.90	230054	5	2	101	1400	42.9	92	11	2.1	55	9	9	4	4	4.4	2990	7
14FEN-04	357.50	360.40	2.90	230055	10	2	97	1830	44.4	66	13	1.62	75	14	11	3	7	4.89	4080	11
14FEN-04	360.40	363.30	2.90	230056	9	4	278	3260	82.4	89	29	2.83	62	33	19	7	7	6	4070	12
14FEN-04	363.30	366.20	2.90	230057	45	6	432	2370	91.9	3510	31	2.94	54	28	14	21	6	5.56	4170	12
14FEN-04	366.20	369.20	3.00	230058	44	2	150	1640	49.4	6270	18	2.11	61	9	10	24	7	4.47	3610	11
14FEN-04	369.20	372.20	3.00	230059	21	3	201	1840	63.4	221	16	1.7	85	10	11	4	7	4.34	3510	10
14FEN-04	372.20	375.20	3.00	230060	19	4	314	1260	62.7	300	20	1.88	96	13	9	4	5	5.11	4510	11
14FEN-04	375.20	378.20	3.00	230061	7	2	147	2330	55.2	366	10	2.22	89	5	14	4	6	5.44	4550	11
14FEN-04	378.20	381.20	3.00	230062	29	2	114	2520	50.3	4070	13	2.63	70	7	15	15	6	4.88	3460	11
14FEN-04	381.20	384.20	3.00	230063	58	2	128	2280	43.1	7530	13	2.2	91	5	14	30	7	5.7	4600	13
14FEN-04	384.20</																			

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-04	399.00	402.00	3.00	230069	14	2	338	1650	59	266	5	1.71	131	5	10	5	6	4.39	3870	10
14FEN-04	402.00	405.00	3.00	230070	20	3	299	1630	50.4	406	11	1.66	149	8	10	5	5	4.05	3630	10
14FEN-04	405.00	408.00	3.00	230071	17	5	359	2140	52.5	419	11	1.46	254	19	12	4	5	4.1	3620	10
14FEN-04	408.00	411.00	3.00	230072	21	4	275	1440	55.6	796	8	1.87	246	11	9	4	5	4.49	3600	9
14FEN-04	411.00	414.00	3.00	230073	26	5	366	1770	46.6	806	10	1.71	254	24	10	4	4	3.96	3400	8
14FEN-04	414.00	417.00	3.00	230074	11	2	216	1940	48.4	489	7	1.72	244	10	11	3	5	4.11	2990	10
14FEN-04	417.00	420.00	3.00	230075	18	2	192	1690	55.3	787	11	1.7	298	22	11	5	5	4.34	2640	10
14FEN-04	420.00	423.00	3.00	230076	5	2	110	2930	66.7	481	8	1.7	306	14	17	5	5	4.45	2960	10
14FEN-04	423.00	426.00	3.00	230077	5	2	190	2620	55.7	529	18	1.88	343	37	15	5	5	4.47	2730	11
14FEN-04	426.00	429.00	3.00	230078	5	2	121	2490	57.6	440	10	1.79	279	5	14	5	5	4.72	2900	11
14FEN-04	429.00	432.00	3.00	230079	35	2	164	2870	71.1	2750	15	2.27	291	27	16	9	5	4.03	2460	10
14FEN-04	432.00	435.00	3.00	230080	45	2	165	2260	64.5	2250	11	2.51	229	17	14	4	5	4.65	3070	11
14FEN-04	435.00	438.00	3.00	230081	16	3	451	5130	84.5	1290	7	1.24	381	12	32	2	5	3.5	3490	10
14FEN-04	438.00	441.00	3.00	230082	58	3	824	4630	106	2050	10	1.4	165	23	30	5	5	4.25	4590	10
14FEN-04	441.00	444.00	3.00	230083	26	2	464	3400	72.1	1210	8	1.84	277	5	20	7	5	4.51	3100	11
14FEN-04	444.00	447.00	3.00	230084	151	5	899	4710	93.5	1670	9	1.72	307	10	30	8	4	4.67	4710	10
14FEN-04	447.00	450.00	3.00	230085	66	2	177	3990	78.9	332	5	1.19	262	8	24	5	3	4.08	5040	9
14FEN-04	450.00	453.00	3.00	230086	35	3	219	5280	139	116	7	1.2	300	13	32	4	4	3.94	4650	10
14FEN-04	453.00	456.00	3.00	230087	12	2	81	3300	65.5	72	7	3.09	174	19	19	6	5	4.39	2820	10
14FEN-04	456.00	459.00	3.00	230088	5	2	59	1540	46	54	5	2.88	106	5	10	3	3	4.33	3750	9
14FEN-04	459.00	462.00	3.00	230089	115	2	82	4880	59.8	122	5	3.22	81	7	28	8	5	4.39	3170	10
14FEN-04	462.00	465.00	3.00	230090	29	2	46	10000	105	86	8	3.76	67	5	61	4	5	4.53	2770	10
14FEN-04	465.00	468.00	3.00	230091	5	2	25	2760	68.6	81	9	3.24	93	6	17	8	4	4.81	4400	9
14FEN-04	468.00	471.00	3.00	230092	9	2	79	4780	99.6	64	8	4.11	83	11	28	6	5	5.11	3300	11
14FEN-04	471.00	474.00	3.00	230093	31	3	375	4830	76.8	302	7	5	87	12	28	2	5	5.51	2570	11
14FEN-05	13.60	16.70	3.10	230094	34	7	314	376	71.1	375	33	1.99	41	18	5	2	3	4.2	4190	7
14FEN-05	16.70	19.80	3.10	230095	35	5	341	1130	59.9	298	24	2.06	97	6	8	2	5	4.67	5970	10
14FEN-05	19.80	22.90	3.10	230096	102	3	351	911	93.7	921	28	2.21	68	5	8	2	6	4.64	6240	9
14FEN-05	22.90	26.00	3.10	230097	145	4	547	1090	99.1	818	57	3.01	34	5	8	4	4	4.45	4560	6
14FEN-05	26.00	29.10	3.10	230098	454	8	526	1110	105	1760	79	2.84	32	12	8	6	4	4.62	6710	4
14FEN-05	29.10	32.20	3.10	230099	268	8	523	1300	119	1690	125	3.19	48	18	9	4	5	4.49	7100	4
14FEN-05	32.20	35.25	3.05	230100	356	11	843	2800	148	4970	178	2.97	30	23	18	9	4	5.03	10000	5
14FEN-05	35.25	38.25	3.00	230101	13	2	32	27	32.8	80	10	2.92	81	11	2	3	3.22	1860	7	
14FEN-05	38.25	41.25	3.00	230102	38	6	391	470	60.6	552	21	1.51	63	10	4	2	4	2.81	3760	5
14FEN-05	41.25	44.25	3.00	230103	260	8	1590	10000	142	158	14	2.23	174	7	68	3	3	4.53	7290	6
14FEN-05	44.25	47.25	3.00	230104	49	8	302	594	93.7	317	15	2.28	140	14	5	4	4	5.12	5810	9
14FEN-05	47.25	50.25	3.00	230105	32	11	969	1740	115	277	15	1.69	68	18	11	2	4	3.98	6140	8
14FEN-05	50.25	53.25	3.00	230106	60	8	408	1540	95.1	444	23	1.87	269	17	10	5	4	3.7	4150	8
14FEN-05	53.25	56.25	3.00	230107	16	10	440	950	64.8	175	15	1.64	286	23	7	6	5	4.28	4790	15
14FEN-05	56.25	59.25	3.00	230108	5	10	669	1380	65.8	43	8</td									

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-05	74.25	77.25	3.00	230114	146	6	679	1110	143	515	12	2.18	107	7	8	6	4	4.73	4510	8
14FEN-05	77.25	80.25	3.00	230115	65	3	205	598	122	137	7	1.68	159	5	6	4	4	4.8	4170	11
14FEN-05	80.25	83.25	3.00	230116	209	4	408	958	124	911	10	3.11	129	5	8	4	5	5.76	5560	13
14FEN-05	83.25	86.25	3.00	230117	264	3	196	574	173	539	13	3.02	213	5	6	4	4	5.34	4110	8
14FEN-05	86.25	89.25	3.00	230118	164	3	321	485	241	536	52	3.36	38	5	6	5	5	6.35	5400	8
14FEN-05	89.25	92.25	3.00	230119	409	9	1780	1430	224	1360	75	3.93	30	5	10	4	5	6.53	5220	7
14FEN-05	92.25	95.25	3.00	230120	232	4	149	489	208	530	25	3.4	49	7	5	7	4	5.41	3350	7
14FEN-05	95.25	98.25	3.00	230121	267	10	1350	2240	219	840	60	3.76	23	9	14	6	4	6.51	6320	7
14FEN-05	98.25	101.25	3.00	230122	276	6	424	556	209	942	64	3.05	33	7	6	6	4	5.91	6150	6
14FEN-05	101.25	104.25	3.00	230123	109	6	186	492	154	440	29	3.14	29	8	6	5	4	5.64	5800	6
14FEN-05	104.25	107.25	3.00	230124	321	8	1280	2760	204	902	160	3.17	37	8	16	4	4	5.49	5120	6
14FEN-05	107.25	110.25	3.00	230125	475	14	2150	4660	162	1080	71	3.35	34	6	24	5	4	5.4	5520	6
14FEN-05	110.25	113.25	3.00	230126	182	7	974	2620	141	1310	26	2.97	44	5	14	7	4	4.94	4050	6
14FEN-05	113.25	116.25	3.00	230127	108	9	1750	2150	141	1270	66	3.05	56	6	13	6	5	6.16	7290	14
14FEN-05	116.25	119.25	3.00	230128	105	3	275	446	109	1100	56	2.55	125	5	5	11	4	4.92	5530	7
14FEN-05	119.25	122.25	3.00	230129	104	5	536	1360	128	1290	99	3.03	123	5	9	10	4	5.57	6050	7
14FEN-05	122.25	125.25	3.00	230130	78	5	152	208	111	666	90	2.18	303	15	3	15	4	3.95	3870	6
14FEN-05	125.25	128.25	3.00	230131	18	2	69	173	22.3	76	29	0.83	347	5	2	6	3	2.91	7250	5
14FEN-05	128.25	131.25	3.00	230132	37	3	143	390	34.9	130	45	0.81	139	5	3	7	2	2.68	7210	5
14FEN-05	131.25	133.25	2.00	230133	588	6	1580	2940	25	162	54	1.44	39	5	15	8	2	3.02	8840	4
14FEN-05	133.25	136.25	3.00	230134	62	2	347	699	12.5	209	72	1.18	36	5	4	6	3	2.23	6270	4
14FEN-05	136.25	139.25	3.00	230135	172	4	1100	1950	19.2	130	51	0.67	180	5	12	8	2	2.92	9740	4
14FEN-05	139.25	142.10	2.85	230136	83	3	816	1240	17.9	120	49	1.01	260	5	8	9	3	3.47	8060	6
14FEN-05	142.10	145.25	3.15	230137	17	2	400	577	29.6	53	25	0.73	264	5	4	8	3	2.4	4530	5
14FEN-05	156.30	156.65	0.35	230138	5	2	468	3550	43.9	227	58	1.35	29	5	22	11	6	3.96	4310	18
14FEN-05	171.15	174.00	2.85	230139	8	2	60	131	41.8	1250	79	2.7	73	5	4	11	5	4.24	4450	17
14FEN-05	177.25	180.60	3.35	230140	41	2	70	175	106	17	8	0.44	322	5	3	6	4	3.61	3210	6
14FEN-05	181.40	184.40	3.00	230141	416	8	2020	2760	154	186	235	2.85	55	6	14	7	3	4.04	6060	5
14FEN-05	184.40	187.40	3.00	230142	171	5	811	1060	133	112	58	2.33	97	6	8	5	4	4.62	8720	7
14FEN-05	187.40	190.50	3.10	230143	456	18	2310	2640	146	1650	246	2.27	111	36	15	6	5	4.72	9500	7
14FEN-05	190.50	193.50	3.00	230144	405	8	1070	1590	106	2870	166	3.97	36	13	10	4	5	4.88	6440	7
14FEN-05	193.50	196.50	3.00	230145	144	2	80	173	35	1010	23	5	43	7	4	6	6	5.1	4020	8
14FEN-05	196.50	199.50	3.00	230146	97	3	101	222	100	117	34	5	71	17	5	7	6	5.41	3400	8
14FEN-05	199.50	202.50	3.00	230147	55	4	500	1380	114	768	37	0.94	48	7	8	6	5	3.32	5740	6
14FEN-05	202.50	205.50	3.00	230148	81	3	290	1230	127	626	22	2.41	46	6	8	6	5	4.44	4490	8
14FEN-05	205.50	208.50	3.00	230149	169	6	589	1080	164	993	41	2.45	42	12	10	6	6	4.92	4750	9
14FEN-05	208.50	211.50	3.00	230150	93	6	582	996	168	641	30	2.37	212	15	9	10	7	5.26	4550	10
14FEN-05	211.50	214.50	3.00	230151	92	4	388	1100	183	1530	22	3.07	31	13	10	22	7	5.25	3850	10
14FEN-05	214.50	217.50	3.00	230152	113	5	644	1160	190	2220	23	2.93	44	19	10	17	5	5	3940	9
14FEN-05	217.50	220.50	3.00	230153	137	2	182	475	139	3630	16	3.09	94							

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-05	235.50	238.50	3.00	230159	127	2	156	387	155	866	22	2.25	191	17	6	14	5	4.83	3900	9
14FEN-05	238.50	241.50	3.00	230160	214	2	231	580	179	575	30	2.79	131	28	7	10	5	5.6	4090	9
14FEN-05	241.50	244.50	3.00	230161	290	2	185	369	169	1630	22	2.7	170	20	7	19	5	5.33	4100	9
14FEN-05	244.50	247.50	3.00	230162	233	2	153	154	146	757	25	2.25	214	24	5	7	5	4.73	4100	9
14FEN-05	247.50	250.50	3.00	230163	337	2	248	493	142	1010	40	2.34	227	21	7	13	6	4.67	4150	10
14FEN-05	250.50	253.50	3.00	230164	318	2	212	615	161	1070	39	2.27	232	21	7	18	5	5.1	4570	9
14FEN-05	253.50	256.50	3.00	230165	269	2	221	603	139	754	43	2.36	159	12	7	12	5	4.59	4640	9
14FEN-05	256.50	259.50	3.00	230166	588	2	175	425	169	778	38	2.47	99	26	7	11	5	5.36	6100	9
14FEN-05	259.50	262.50	3.00	230167	607	2	317	515	187	828	77	2.71	132	21	8	12	5	5.31	6380	9
14FEN-05	262.50	265.50	3.00	230168	472	2	241	511	158	259	34	2.71	165	17	7	6	5	5.06	5580	8
14FEN-05	265.50	268.50	3.00	230169	355	2	278	409	148	252	31	2.54	179	23	7	5	4	4.76	5520	8
14FEN-05	268.50	271.50	3.00	230170	332	2	192	401	155	700	40	2.4	125	22	7	10	6	4.86	7530	9
14FEN-05	271.50	274.50	3.00	230171	141	2	130	305	138	892	38	2.27	57	33	6	11	5	4.54	6690	8
14FEN-05	274.50	277.50	3.00	230172	151	2	126	371	118	461	35	1.92	87	26	6	6	6	4.69	6630	8
14FEN-05	277.50	280.50	3.00	230173	166	2	115	312	125	624	40	2.06	95	23	6	7	6	4.46	9120	8
14FEN-05	280.50	283.50	3.00	230174	150	2	121	609	121	529	35	2.21	209	13	7	8	6	4.5	7790	9
14FEN-05	283.50	286.50	3.00	230175	127	2	220	486	113	2460	39	2.08	308	18	7	24	5	4.5	4840	8
14FEN-05	286.50	289.50	3.00	230176	80	2	117	403	113	363	37	1.95	265	17	2	9	10	4.82	5830	9
14FEN-05	289.50	292.50	3.00	230177	215	5	1340	1430	113	965	516	1.98	251	29	6	12	7	4.65	>10000	9
14FEN-05	292.50	295.50	3.00	230178	219	4	159	360	119	729	64	2.32	249	26	2	9	6	4.83	9260	9
14FEN-05	295.50	298.50	3.00	230179	100	3	164	408	105	406	54	1.96	263	16	2	9	4	4.63	7830	9
14FEN-05	298.50	301.50	3.00	230180	164	3	191	418	107	364	69	2.14	220	33	2	9	4	4.18	6070	8
14FEN-05	301.50	304.50	3.00	230181	159	2	131	391	113	275	49	2.14	210	22	2	6	4	4.16	6560	9
14FEN-05	304.50	307.50	3.00	230182	284	2	149	335	130	410	55	2.16	205	13	1	4	5	4.11	4770	8
14FEN-05	307.50	310.50	3.00	230183	297	2	138	267	152	100	51	2.16	210	29	1	4	5	4.55	4080	8
14FEN-05	310.50	313.50	3.00	230184	313	3	133	370	147	144	47	2.1	128	19	2	3	5	4.57	4190	8
14FEN-05	313.50	316.50	3.00	230185	256	2	108	247	157	140	49	2.27	121	12	1	2	5	4.56	4040	8
14FEN-05	316.50	319.50	3.00	230186	36	2	63	555	154	462	55	2.34	125	10	2	2	4	4.27	5400	9
14FEN-05	319.50	322.50	3.00	230187	163	3	191	571	165	1520	94	2.65	107	27	2	4	4	4.56	4820	8
14FEN-05	322.50	325.50	3.00	230188	179	2	104	68	169	1870	67	3.41	53	57	1	13	6	4.93	2800	8
14FEN-05	325.50	328.50	3.00	230189	85	2	104	116	110	695	44	2.42	100	38	1	10	6	4.61	3390	8
14FEN-05	328.50	331.50	3.00	230190	120	2	72	258	127	921	51	2.6	56	32	1	12	5	4.74	3960	8
14FEN-05	331.50	334.50	3.00	230191	151	3	64	211	129	983	55	2.47	48	30	1	11	6	5.01	5160	8
14FEN-05	334.50	337.50	3.00	230192	167	4	104	303	147	2240	80	3.26	29	41	2	22	6	5.46	8310	9
14FEN-05	337.50	340.50	3.00	230193	563	4	846	1910	232	2860	551	3.36	76	56	9	17	5	5.43	8680	9
14FEN-05	340.50	343.50	3.00	230194	115	2	73	241	133	2870	44	2.67	26	30	1	33	5	5.03	5090	9
14FEN-05	343.50	346.50	3.00	230195	137	2	95	230	143	536	43	2.88	34	39	1	8	6	5.47	3950	9
14FEN-05	346.50	349.50	3.00	230196	168	2	100	163	180	639	48	3.32	84	40	1	9	6	5.56	2490	9
14FEN-05	349.50	352.50	3.00	230197	157	2	79	148	169	572	32	2.86	79	26	1	6	5	5.22	2740	8
14FEN-05	352.50	355.50	3.00	230198	147	2	158	255												

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-05	370.50	373.50	3.00	230204	164	2	90	262	168	870	53	2.91	39	20	1	3	5	4.94	3420	7
14FEN-05	373.50	376.50	3.00	230205	253	2	239	428	180	2000	110	4.16	71	29	2	4	6	5.16	2330	8
14FEN-05	376.50	379.70	3.20	230206	176	2	145	220	175	603	38	2.66	142	27	1	4	6	5.33	2940	9
14FEN-05	379.70	382.90	3.20	230207	309	2	125	151	163	454	40	2.54	117	22	1	3	6	5.25	3370	9
14FEN-05	382.90	386.10	3.20	230208	465	2	157	272	171	712	63	2.78	142	32	2	3	5	4.98	3230	9
14FEN-05	386.10	389.30	3.20	230209	241	2	181	235	161	366	54	2.35	97	32	1	3	6	4.82	3530	10
14FEN-05	389.30	392.50	3.20	230210	369	2	132	249	162	561	41	2.3	173	41	1	10	5	4.82	3140	10
14FEN-05	392.50	395.70	3.20	230211	329	2	118	137	185	604	42	2.42	183	38	1	4	6	5.08	3070	9
14FEN-05	395.70	398.90	3.20	230212	507	2	164	210	177	854	46	2.58	149	48	1	4	5	4.94	3100	9
14FEN-05	398.90	402.00	3.10	230213	449	2	296	460	162	794	47	2.4	163	28	2	3	5	4.83	4650	10
14FEN-06	4.55	7.55	3.00	230214	5	2	126	913	122	501	36	2.43	170	6	10	4	4	4.56	2590	10
14FEN-06	7.55	10.55	3.00	230215	34	4	428	2420	121	541	54	4.72	81	20	18	5	5	5.58	2290	9
14FEN-06	10.55	12.55	2.00	230216	12	2	196	3500	133	421	56	2.83	32	6	25	5	5	4.86	2810	11
14FEN-06	12.55	15.00	2.45	230217	7	2	119	281	168	200	40	3.67	54	14	8	3	5	6.41	3190	9
14FEN-06	15.00	18.00	3.00	230218	20	2	32	109	127	899	60	3.55	48	15	6	4	6	5.71	2540	10
14FEN-06	18.00	21.00	3.00	230219	55	2	86	160	125	2300	45	3.67	54	13	6	17	3	5.21	2540	10
14FEN-06	21.00	24.00	3.00	230220	19	2	130	2250	48.6	148	27	1.52	42	5	15	3	4	2.45	2150	6
14FEN-06	24.00	27.00	3.00	230221	20	2	74	338	57.5	255	20	1.6	55	7	4	3	5	2.4	1430	9
14FEN-06	27.00	30.00	3.00	230222	9	2	62	114	91.9	223	24	1.84	155	10	3	2	4	2.85	1520	8
14FEN-06	30.00	33.00	3.00	230223	30	2	53	50	186	381	35	3.66	41	12	4	2	5	3.52	257	5
14FEN-06	33.00	36.00	3.00	230224	35	2	71	68	199	1180	48	4.81	41	20	6	4	5	5.63	1550	7
14FEN-06	36.00	39.00	3.00	230225	75	4	183	314	178	2260	64	4.49	29	23	7	3	4	5.67	2670	10
14FEN-06	39.00	42.00	3.00	230226	97	4	126	196	236	3940	50	4.67	29	21	7	11	5	6.15	2620	13
14FEN-06	42.00	45.00	3.00	230227	32	5	91	50	295	2270	51	4.34	26	25	6	9	4	5.88	1960	14
14FEN-06	45.00	48.00	3.00	230228	67	4	124	563	224	3420	58	4.28	31	15	7	9	5	5.01	2120	7
14FEN-06	48.00	51.00	3.00	230229	27	3	65	113	195	821	38	3.9	26	16	5	4	4	4.48	1200	10
14FEN-06	51.00	54.00	3.00	230230	51	5	189	401	184	3950	85	2.95	34	49	6	6	5	3.44	1560	5
14FEN-06	54.00	57.00	3.00	230231	24	3	116	152	206	2200	66	3.12	71	18	4	3	6	3.6	1630	5
14FEN-06	57.00	60.00	3.00	230232	29	2	83	157	182	1750	52	2.97	30	20	4	5	5	3.46	1560	5
14FEN-06	60.00	63.00	3.00	230233	139	11	323	335	258	5120	90	4.26	85	80	6	5	5	4.86	2280	4
14FEN-06	63.00	66.00	3.00	230234	32	2	52	163	143	551	24	2.71	34	9	4	3	4	3.32	2020	4
14FEN-06	66.00	69.00	3.00	230235	430	29	5550	2900	328	3550	183	3.84	54	14	17	4	4	4.02	1860	4
14FEN-06	69.00	72.00	3.00	230236	24	2	34	98	93.6	588	26	1.74	61	6	1	2	3	1.99	838	2
14FEN-06	72.00	75.00	3.00	230237	12	2	45	166	162	699	41	2.43	96	12	5	4	6	3.86	1560	4
14FEN-06	75.00	78.00	3.00	230238	93	2	55	232	132	2310	54	2.29	34	36	4	5	5	3.4	1520	5
14FEN-06	78.00	81.00	3.00	230239	8	2	28	421	131	770	49	2.33	105	7	5	3	6	3.35	1490	5
14FEN-06	81.00	84.00	3.00	230240	67	2	81	92	297	3060	63	4.16	41	198	5	4	5	4.6	758	3
14FEN-06	84.00	87.00	3.00	230241	34	2	42	67	309	4760	60	3.7	33	29	5	13	4	4.9	981	4
14FEN-06	87.00	90.00	3.00	230242	113	2	69	52	345	2090	65	4.95	27	50	5	4	4	5.41	1090	4
14FEN-06	90.00	93.00	3.00	230243	80	2	80	188	218	974	67	2.98	27	15	5	5	10	3.9	1230	7
14FEN-06	93.00	96.00	3.00																	

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-06	108.00	111.00	3.00	230249	9	2	14	1130	101	327	48	1.91	24	11	10	6	5	4.5	1430	6
14FEN-06	111.00	114.00	3.00	230250	22	2	23	71	243	1180	54	3	31	24	5	5	4	4.49	1080	6
14FEN-06	114.00	117.00	3.00	230251	37	2	38	26	351	4410	75	4.35	36	25	6	13	5	5.74	1030	8
14FEN-06	117.00	120.00	3.00	230252	38	2	31	28	360	2100	68	3.94	32	20	6	13	5	6.22	1450	6
14FEN-06	123.00	126.00	3.00	230253	14	2	34	23	243	612	83	3.51	94	36	5	7	5	5.63	1830	8
14FEN-06	126.00	129.00	3.00	230254	15	2	33	52	189	549	59	2.54	34	28	5	4	4	4.38	2300	7
14FEN-06	129.00	132.00	3.00	230255	20	2	37	98	234	2510	70	3.56	26	13	5	20	5	4.96	1660	7
14FEN-06	132.00	135.00	3.00	230256	19	2	37	69	267	2710	59	3.7	28	35	6	29	4	6.38	2680	9
14FEN-06	135.00	138.00	3.00	230257	6	2	16	77	245	1490	55	4.21	37	18	5	7	5	5.48	1250	8
14FEN-06	138.00	141.00	3.00	230258	7	2	10	71	229	262	69	3.19	53	12	6	6	6	6.02	1820	8
14FEN-06	141.00	144.00	3.00	230259	8	2	7	43	206	1700	122	4.11	40	11	7	7	6	7.5	2900	15
14FEN-06	144.00	147.00	3.00	230260	28	2	14	68	216	3280	86	4.19	39	26	6	17	7	6.05	1520	11
14FEN-06	147.00	150.00	3.00	230261	8	2	12	45	176	769	78	2.95	36	17	4	9	5	5.07	1960	7
14FEN-06	150.00	153.00	3.00	230262	28	2	24	46	223	2780	95	3.89	34	36	4	11	6	5.81	1370	10
14FEN-06	153.00	156.00	3.00	230263	8	2	13	36	210	558	137	4.14	50	18	6	12	7	7.25	1010	15
14FEN-06	156.00	159.00	3.00	230264	11	2	8	23	210	373	124	4.87	38	15	8	8	7	8.8	1120	15
14FEN-06	159.00	162.00	3.00	230265	20	2	8	17	254	469	120	4.7	97	14	7	6	6	6.97	797	12
14FEN-06	162.00	165.00	3.00	230266	38	2	14	19	314	604	98	4.54	68	13	7	6	5	7.74	1170	13
14FEN-06	165.00	168.00	3.00	230267	153	2	23	37	154	367	50	3.38	91	13	6	9	6	6.86	984	12
14FEN-06	168.00	171.00	3.00	230268	68	2	27	83	137	131	25	3.15	183	10	7	7	6	6.68	1460	14
14FEN-06	171.00	174.00	3.00	230269	30	2	21	354	162	168	12	2.98	185	10	9	9	7	7	1830	19
14FEN-06	174.00	177.00	3.00	230270	75	2	27	185	151	222	12	3.11	175	13	7	8	7	6.27	1670	15
14FEN-06	177.00	180.00	3.00	230271	73	2	47	175	212	355	19	4.2	78	21	8	6	6	6.91	1650	14
14FEN-06	180.00	183.00	3.00	230272	50	2	37	628	184	753	17	3.55	71	18	10	10	5	6.24	1500	14
14FEN-06	183.00	186.00	3.00	230273	62	2	45	73	238	1820	38	5	79	21	7	13	5	7.64	1320	14
14FEN-06	186.00	189.00	3.00	230274	53	2	37	711	160	1060	46	3.68	104	13	11	11	6	6.57	1850	14
14FEN-06	189.00	192.00	3.00	230275	37	2	34	1710	151	384	46	3.05	190	8	17	14	7	5.87	2260	15
14FEN-06	192.00	194.75	2.75	230276	24	2	39	1620	125	91	43	2.59	167	9	15	9	6	5.21	2220	15
14FEN-06	202.10	205.10	3.00	230277	41	2	113	1330	244	836	47	5	68	29	14	17	5	6.44	3510	14
14FEN-06	205.10	208.10	3.00	230278	35	2	73	1170	266	1290	63	5	23	26	14	17	4	7.01	3330	14
14FEN-06	208.10	211.10	3.00	230279	40	2	102	1740	200	98	42	3.58	23	13	16	8	5	6	3110	11
14FEN-06	211.10	214.10	3.00	230280	33	2	196	793	247	1100	58	3.7	30	13	10	13	5	5.73	4480	15
14FEN-06	214.10	217.10	3.00	230281	16	2	90	585	277	674	40	3.34	34	18	9	11	5	5.72	4870	14
14FEN-06	217.10	220.10	3.00	230282	35	5	488	1620	294	2910	97	3.3	165	37	13	10	5	4.51	3720	12
14FEN-06	220.10	223.10	3.00	230283	37	3	162	473	281	2100	54	3.8	119	22	8	14	5	5.82	5760	14
14FEN-06	223.10	224.50	1.40	230284	121	9	761	3590	340	1030	105	4.21	98	33	26	6	5	6.03	6530	16
14FEN-07	5.10	7.65	2.55	230285	10	2	130	2460	82	941	50	1.91	236	6	15	3	5	3.47	1590	6
14FEN-07	7.65	9.10	1.45	230286	21	2	101	470	280	467	10000	3.24	110	7	5	3	5	2.57	559	<1
14FEN-07	9.10	12.00	2.90	230287	8	2	88	512	108	136	50	2.64	146	11	7	4	5	4.85	1670	11
14FEN-07	12.00	15.00	3.00	230288	11	2	94	1770	87.2	104	35	2.5	164	15	14	3	4	4.58	1720	10

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
14FEN-07	30.00	33.00	3.00	230294	12	1	124	247	96.6	197	29	2.06	42	10	0.5	2	11	3.48	3190	6
14FEN-07	33.00	36.00	3.00	230295	86	3	217	1730	160	1900	57	3.89	34	20	9	3	4	3.74	579	3
14FEN-07	36.00	39.00	3.00	230296	41	2	104	219	95.8	1220	48	2.49	50	22	0.5	5	4	2.83	1110	3
14FEN-07	39.00	42.00	3.00	230297	110	6	434	1180	154	1670	123	3.56	48	41	6	9	4	3.6	755	3
14FEN-07	42.00	44.65	2.65	230298	70	3	65	25	120	975	37	4.18	32	18	0.5	5	4	3.87	257	6
14FEN-07	49.60	51.85	2.25	230299	92	4	65	27	39.7	703	24	5	23	25	0.5	13	4	6.17	1680	7
14FEN-07	51.85	54.00	2.15	230300	92	5	114	349	224	1970	42	5	59	93	8	12	5	6.51	2750	10
14FEN-07	54.00	57.00	3.00	230301	34	2	53	137	256	1720	45	4.88	33	20	5	6	4	5.35	1550	10
14FEN-07	57.00	60.00	3.00	230302	43	3	107	190	223	1590	60	4.33	145	16	6	8	5	5.35	2790	10
14FEN-07	60.00	62.05	2.05	230303	80	3	148	383	135	1550	71	4.42	108	12	6	8	6	4.66	1890	10
14FEN-07	71.40	74.10	2.70	230304	44	2	32	36	200	368	17	5	73	25	5	8	4	5.96	1930	9
14FEN-07	74.10	76.90	2.80	230305	11	2	64	119	193	134	51	3.69	31	19	5	3	4	4.76	2180	15
14FEN-07	76.90	79.70	2.80	230306	21	2	45	139	132	101	30	3.29	63	8	5	2	5	4.27	1900	7
14FEN-07	79.70	82.50	2.80	230307	40	2	9	11	102	117	10	5	88	7	4	2	5	4.39	62	5
14FEN-07	82.50	85.30	2.80	230308	59	2	17	27	59.4	286	14	5	104	11	4	2	5	4.61	75	5
14FEN-07	85.30	88.20	2.90	230309	69	2	21	105	106	374	13	5	90	6	5	4	5	4.84	526	4
14FEN-07	106.10	107.15	1.05	230310	245	5	751	377	272	713	204	5	28	572	2	19	4	6.73	1060	11
14FEN-07	109.70	111.60	1.90	230311	49	2	115	277	106	439	21	5	71	21	1	6	5	5.8	1480	11
14FEN-07	112.10	114.55	2.45	230312	255	5	473	225	242	710	121	5	76	277	1	18	4	6.57	2760	15
14FEN-07	116.40	119.40	3.00	230313	57	2	39	30	202	833	28	5	30	30	1	8	4	7.09	3300	7
14FEN-07	119.40	122.40	3.00	230314	155	2	139	140	244	1940	77	5	34	68	1	10	5	6.58	2480	7
14FEN-07	122.40	125.40	3.00	230315	116	2	170	68	299	3000	100	5	32	104	1	28	5	7.67	1830	7
14FEN-07	125.40	128.40	3.00	230316	22	2	37	61	289	2280	97	3.91	27	21	1	25	5	6.58	2070	8
14FEN-07	128.40	131.40	3.00	230317	19	2	61	170	256	2010	110	4.28	36	49	1	14	6	6.57	2090	8
14FEN-07	131.40	134.40	3.00	230318	13	2	42	129	263	1230	83	3.63	35	27	1	13	5	6.33	2510	9
14FEN-07	134.40	137.40	3.00	230319	42	2	63	201	296	2620	88	4.83	30	28	1	12	4	6.89	2300	6
14FEN-07	137.40	140.40	3.00	230320	75	2	79	358	221	9520	76	4.81	35	53	2	29	5	6.63	2240	8
14FEN-07	140.40	141.00	0.60	230321	459	2	56	102	240	10000	99	5	37	66	1	50	5	8.41	1390	10
14FEN-07	141.00	144.00	3.00	230322	34	2	45	24	331	3470	101	4.44	30	32	1	23	5	6.6	1400	9
14FEN-07	144.00	147.10	3.10	230323	12	2	32	226	295	1820	122	4.41	28	29	1	5	5	6.23	1620	7
14FEN-07	147.10	150.20	3.10	230324	23	2	41	108	318	2790	89	3.93	28	39	1	12	5	6.7	1610	7
14FEN-07	150.20	153.30	3.10	230325	49	2	54	78	279	2650	99	3.79	33	52	1	14	5	6.24	2520	7
14FEN-07	153.30	156.40	3.10	230326	27	2	53	16	256	788	103	3.43	37	53	1	8	6	6.14	2500	7
14FEN-07	156.40	159.50	3.10	230327	41	2	58	16	252	1200	98	3.71	37	55	1	9	4	6.52	2850	8
14FEN-07	159.50	162.60	3.10	230328	36	2	36	7	277	1080	81	3.2	33	39	1	29	5	5.59	1790	9
14FEN-07	162.60	165.60	3.00	230329	31	2	44	64	214	910	69	2.63	29	40	1	9	6	5.29	1900	9
14FEN-07	165.60	168.60	3.00	230330	108	4	1990	3050	196	1040	53	2.55	51	44	10	8	6	5.41	2390	6
14FEN-07	168.60	171.60	3.00	230331	178	2	138	346	149	1070	44	2.46	28	51	2	4	4	4.53	2350	7
14FEN-07	171.60	174.60	3.00	230332	206	2	75	146	116	439	33	1.97	34	19	1	3	5	4.12	2190	6
14FEN-07	174.60	177.60	3.00	230333	169	2	62	132	126	976	30	2.56	31	11	1	6	5	4.64	2160	8
14FEN-07	177.60	180																		

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-07	192.00	195.00	3.00	230339	84	2	44	120	85.4	170	29	2.04	320	6	4	6	5	3.83	2510	8
14FEN-07	195.00	198.00	3.00	230340	66	2	39	119	82	279	36	2.09	238	7	4	5	4	3.89	2920	7
14FEN-07	198.00	201.00	3.00	230341	70	2	44	109	94.2	1180	36	2.32	65	9	4	5	5	4.18	4040	7
14FEN-07	201.00	204.00	3.00	230342	79	2	85	198	115	778	39	2.49	238	8	5	7	6	4.32	3660	8
14FEN-07	204.00	207.00	3.00	230343	55	2	62	146	104	444	27	1.93	225	7	4	7	5	3.92	3190	7
14FEN-08	3.80	6.70	2.90	230405	21	2	94	331	134	1240	21	2.92	68	7	4	12	7	3.92	1340	6
14FEN-08	6.70	9.70	3.00	230406	13	2	72	221	163	540	15	3.21	45	10	3	3	5	4.21	1830	7
14FEN-08	9.70	12.70	3.00	230407	19	2	243	1410	62.5	924	49	2.29	26	7	8	3	5	2.57	2250	4
14FEN-08	12.70	15.70	3.00	230408	26	2	227	2520	56.9	136	39	2.9	29	7	13	2	4	2.87	3040	3
14FEN-08	15.70	18.70	3.00	230409	50	2	91	210	103	679	32	3.31	28	11	3	6	4	3.41	1340	4
14FEN-08	18.70	21.70	3.00	230410	26	2	148	1770	51.6	437	44	2.53	32	5	10	6	4	3.61	2850	7
14FEN-08	21.70	24.70	3.00	230411	25	2	259	2570	55	409	63	2.05	32	5	14	9	4	3.65	4630	10
14FEN-08	24.70	27.70	3.00	230412	35	2	384	1900	58.4	590	75	2.66	68	5	11	11	4	4.16	5580	12
14FEN-08	27.70	30.70	3.00	230413	37	3	390	893	102	1160	43	2.92	37	5	6	9	4	4.76	6440	10
14FEN-08	30.70	33.70	3.00	230414	32	2	314	763	58.3	210	29	4.27	78	5	6	5	4	5.23	4720	11
14FEN-08	33.70	36.70	3.00	230415	39	7	653	649	97.6	1030	102	3.37	101	16	5	5	4	4.17	3660	8
14FEN-08	36.70	39.70	3.00	230416	171	6	224	737	355	5320	55	4.79	73	54	7	19	5	6.84	3460	12
14FEN-08	39.70	42.70	3.00	230417	24	2	107	206	139	426	26	3.66	109	12	4	7	7	6.66	2540	18
14FEN-08	42.70	45.70	3.00	230418	101	2	72	410	67.7	147	17	2.82	143	5	5	9	8	6.25	2710	15
14FEN-08	45.70	48.70	3.00	230419	27	2	95	241	77.8	222	21	2.85	119	7	4	9	7	6.29	2690	14
14FEN-08	48.70	51.70	3.00	230420	26	2	32	77	222	1320	50	4.37	85	13	4	7	6	7.61	1380	13
14FEN-08	51.70	54.70	3.00	230421	13	2	92	200	104	159	30	2.34	116	5	3	4	6	4.69	2200	10
14FEN-08	54.70	57.70	3.00	230422	34	2	127	647	63.3	1120	40	2.06	200	5	5	12	5	3.89	2440	10
14FEN-08	57.70	59.20	1.50	230423	7	2	19	85	9.1	87	14	0.94	329	5	1	6	2	2.53	2300	4
14FEN-08	59.20	62.10	2.90	230424	7	2	114	1340	70.6	149	5	1.47	212	5	9	9	6	3.65	3090	18
14FEN-08	62.10	65.10	3.00	230425	11	3	250	1060	67.3	212	22	0.68	664	8	6	6	5	3.54	5310	17
14FEN-08	65.10	65.60	0.50	230426	928	100	10000	10000	1110	10000	974	4.73	78	979	164	4	4	7.39	9800	9
14FEN-08	65.60	68.60	3.00	230427	21	2	159	574	113	314	31	1.92	161	13	5	6	6	4.02	4180	20
14FEN-08	68.60	71.70	3.10	230428	28	3	234	722	130	161	46	2.58	168	7	5	4	6	4.57	5110	18
14FEN-08	71.70	74.80	3.10	230429	11	3	245	1320	78.9	182	21	2.11	154	5	8	5	5	4.07	5930	15
14FEN-08	74.80	77.90	3.10	230430	12	3	321	1880	72.7	46	9	1.93	48	6	11	5	6	4.41	5020	15
14FEN-08	77.90	81.00	3.10	230431	19	5	392	1590	106	153	11	3.04	68	6	10	5	6	5.34	4850	16
14FEN-08	81.00	84.10	3.10	230432	21	3	307	1380	114	374	5	3.21	125	7	9	7	4	5.01	3150	15
14FEN-08	84.10	87.20	3.10	230433	27	3	175	208	141	604	23	3.76	112	8	4	10	5	5.45	2770	16
14FEN-08	87.20	90.30	3.10	230434	51	4	352	3060	106	521	8	3.1	121	5	16	8	5	5.27	5410	16
14FEN-08	90.30	93.30	3.00	230435	56	6	540	2260	133	727	26	2.77	49	9	14	6	5	5.31	5190	15
14FEN-08	93.30	96.30	3.00	230436	82	3	271	1240	128	2780	56	3.13	83	7	8	11	7	5.25	4140	17
14FEN-08	96.30	99.30	3.00	230437	25	4	415	4470	82.6	367	35	1.96	73	6	25	8	8	5.55	5160	16
14FEN-08	99.30	100.90	1.60	230438	39	2	165	960	95.3	730	72	1.88	79	5	6	4	6	3.7	2740	11
14FEN-08	100.90	103.90	3.00	230439	55	2	180	571	127	805	76	2.91	33	5	5	7	7	5.19	2670	11
14FEN-08																				

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-08	144.60	147.80	3.20	230445	8	3	179	1270	82.5	124	42	2.3	82	7	8	2	5	4.32	2300	9
14FEN-08	147.80	150.80	3.00	230446	114	3	185	1530	109	1470	51	2.9	28	19	10	4	4	4.48	1810	5
14FEN-08	150.80	154.00	3.20	230447	13	3	232	1490	64.6	305	56	1.37	22	5	9	2	3	2.63	2270	3
14FEN-08	154.00	157.00	3.00	230448	28	2	259	357	80.9	120	53	2.22	28	5	3	3	6	3.24	2050	4
14FEN-08	157.00	160.00	3.00	230449	43	2	218	917	60.2	412	73	1.71	368	10	6	4	7	3.03	2500	7
14FEN-08	160.00	163.00	3.00	230450	37	3	141	811	74.3	741	26	1.81	165	12	6	3	4	3.2	2650	8
14FEN-08	163.00	165.80	2.80	230952	78	2	141	1190	98.3	866	47	1.88	32	9	7	5	5	3.56	3080	6
14FEN-08	165.80	168.80	3.00	230953	19	2	273	1770	70.6	221	19	1.88	73	5	11	7	5	4.67	4280	10
14FEN-08	168.80	171.90	3.10	230954	30	2	209	1080	86.8	332	17	2.08	28	7	8	7	5	4.71	3950	10
14FEN-08	171.90	175.00	3.10	230955	30	2	163	288	90.2	562	17	2.19	25	9	4	10	6	5.21	4000	11
14FEN-08	175.00	178.10	3.10	230956	44	2	117	332	93.7	675	17	2.25	32	10	4	8	6	5.81	5100	11
14FEN-08	178.10	181.20	3.10	230957	22	2	90	346	78.3	308	10	2.12	25	6	4	7	5	5.5	4480	10
14FEN-08	181.20	184.30	3.10	230958	7	2	175	715	65.3	75	19	1.85	25	19	6	3	6	5.6	4440	11
14FEN-08	184.30	187.40	3.10	230959	19	2	118	289	91.3	332	15	1.97	28	19	4	6	6	5.72	3760	10
14FEN-08	187.40	190.50	3.10	230960	19	2	59	92	135	314	26	2.56	51	27	3	5	5	5.74	3850	10
14FEN-08	190.50	193.50	3.00	230961	19	2	44	142	80.3	316	15	1.57	38	14	3	5	5	5.34	3130	9
14FEN-08	193.50	196.50	3.00	230962	27	2	37	48	104	642	25	1.88	26	20	3	8	5	5.91	3420	11
14FEN-08	196.50	199.50	3.00	230963	20	2	26	100	62.2	538	17	1.68	50	9	3	11	4	5.46	2860	10
14FEN-08	199.50	202.50	3.00	230964	28	2	43	223	69.3	499	7	1.83	22	6	4	12	6	5.53	3260	11
14FEN-08	202.50	205.50	3.00	230965	22	2	51	213	85.8	316	10	1.99	21	14	4	6	5	5.39	3320	11
14FEN-08	205.50	208.50	3.00	230966	23	2	103	395	65.7	311	21	1.56	292	12	4	4	5	4.63	3050	9
14FEN-08	208.50	211.50	3.00	230967	14	4	129	388	58.7	215	15	1.81	27	13	4	4	6	5.01	4210	11
14FEN-08	211.50	214.50	3.00	230968	18	2	103	254	60.2	131	9	1.42	51	8	4	5	6	5.01	5080	11
14FEN-08	264.10	264.60	0.50	230969	129	9	3720	10000	64.3	609	1290	3.44	101	5	160	13	3	7.31	10000	5
14FEN-08	270.70	271.20	0.50	230976	69	3	1080	1040	15.4	87	5	0.68	23	5	5	9	5	2.39	1940	5
14FEN-08	277.10	279.90	2.80	230970	43	3	528	339	59.7	987	5	1.19	246	6	4	5	6	4.92	4050	11
14FEN-08	279.90	282.70	2.80	230971	148	3	823	704	49.2	684	5	1.72	66	10	6	2	5	5.63	4820	11
14FEN-08	282.70	285.50	2.80	230972	21	2	304	222	49.8	577	5	1.54	31	6	4	3	5	5.45	5370	10
14FEN-08	285.50	288.30	2.80	230973	17	2	117	225	40.4	303	5	1.35	29	5	4	3	6	5.18	5320	11
14FEN-08	288.30	291.10	2.80	230974	11	2	100	257	48.3	151	5	1.28	31	7	4	2	6	4.98	4840	11
14FEN-08	291.10	294.00	2.90	230975	18	2	142	258	41.8	436	39	1.07	84	5	4	2	5	4.93	5250	10
14FEN-09	7.60	10.60	3.00	230344	5	2	45	562	20.2	50	9	1.28	112	5	6	6	6	3.29	3300	9
14FEN-09	10.60	13.60	3.00	230345	7	2	53	664	16.4	53	6	1.05	94	5	6	5	5	3.16	4460	10
14FEN-09	13.60	16.60	3.00	230346	5	2	63	444	23.2	22	6	1	126	5	5	6	5	2.84	4200	9
14FEN-09	16.60	19.60	3.00	230347	5	2	93	384	20.3	37	5	1.09	363	5	4	6	5	2.95	3880	9
14FEN-09	19.60	22.60	3.00	230348	5	2	211	590	32.7	48	41	1.15	153	5	5	7	5	2.93	3830	10
14FEN-09	22.60	25.60	3.00	230349	5	2	172	584	20.4	50	11	0.94	131	5	5	6	5	2.93	4580	9
14FEN-09	25.60	28.60	3.00	230350	113	7	652	1170	19.8	1900	18	1.99	53	10	8	7	4	3.17	3090	8
14FEN-09	28.60	31.60	3.00	230351	11	3	99	795	22.2	204	10	1.45	68	6	7	11	7	3.7	3720	28
14FEN-09	31.60	34.60	3.00	230352	14	6	329	591	25.1	263	18	2.24	115	11	7	15	7	4.48	4030	

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
14FEN-09	49.60	52.60	3.00	230358	7	2	90	536	20.6	31	5	0.81	213	5	6	7	9	4.21	4690	13
14FEN-09	52.60	55.60	3.00	230359	5	2	80	321	24.9	25	6	1.28	71	5	1	7	7	3.56	4090	13
14FEN-09	55.60	58.60	3.00	230360	12	3	135	389	32.9	69	12	1.94	65	5	1	6	6	4.23	4660	14
14FEN-09	58.60	61.60	3.00	230361	30	9	427	429	34.1	67	21	2.18	128	15	2	6	6	4.04	4860	13
14FEN-09	61.60	64.60	3.00	230362	27	5	233	481	26.1	201	13	1.73	224	6	2	8	6	3.87	5270	12
14FEN-09	64.60	67.60	3.00	230363	16	5	217	988	34.2	138	19	1.9	93	5	4	6	6	4.36	5720	13
14FEN-09	67.60	70.60	3.00	230364	39	3	116	660	28.8	568	12	2.16	129	5	2	6	6	4.61	5560	14
14FEN-09	70.60	73.60	3.00	230365	26	3	197	739	24.8	170	18	1.83	113	5	3	5	5	4.37	5900	14
14FEN-09	73.60	76.60	3.00	230366	62	6	476	1090	32.5	276	35	2.31	112	5	4	6	5	4.6	8440	14
14FEN-09	76.60	79.60	3.00	230367	5	3	70	759	24.7	55	17	1.66	128	5	3	5	6	4.41	6690	14
14FEN-09	79.60	82.60	3.00	230368	82	6	141	1660	26.9	718	15	2.21	78	13	8	16	5	4.22	5080	12
14FEN-09	82.60	85.60	3.00	230369	53	6	96	756	27.1	478	21	1.91	104	8	3	15	7	4.56	5070	14
14FEN-09	85.60	88.60	3.00	230370	58	4	172	439	37.7	690	13	2.77	157	8	1	28	7	5.25	4990	15
14FEN-09	88.60	91.60	3.00	230371	37	4	97	274	28.2	84	10	2.01	66	7	1	6	6	3.92	3140	12
14FEN-09	91.60	94.60	3.00	230372	29	3	115	724	31.4	72	11	2.21	151	6	3	7	7	4.42	3580	13
14FEN-09	94.60	97.60	3.00	230373	23	3	182	818	29.6	210	8	2.05	73	5	3	9	7	4.34	3410	12
14FEN-09	97.60	100.60	3.00	230374	63	3	195	1220	23	171	7	2.22	85	6	5	8	6	4.21	3180	11
14FEN-09	100.60	103.60	3.00	230375	47	3	159	1030	24.7	287	8	2.16	91	5	4	14	7	4.31	3520	14
14FEN-09	103.60	106.60	3.00	230376	14	2	88	669	26.5	183	9	1.44	93	5	3	11	7	3.67	3350	13
14FEN-09	106.60	109.60	3.00	230377	17	2	96	572	23.8	197	6	1.54	104	5	2	7	6	3.75	4220	14
14FEN-09	109.60	112.60	3.00	230378	13	2	52	320	16.2	207	7	1.17	158	5	1	6	8	4.18	5190	12
14FEN-09	112.60	115.60	3.00	230379	5	2	64	422	20.5	46	6	0.79	162	5	1	8	7	3.74	4420	21
14FEN-09	115.60	118.60	3.00	230380	11	2	39	300	21.4	71	9	1.36	165	5	1	9	7	3.93	4400	12
14FEN-09	118.60	121.60	3.00	230381	12	2	48	310	21.6	62	10	1.71	195	5	1	8	8	4.13	3720	13
14FEN-09	121.60	124.60	3.00	230382	23	3	76	578	22.6	143	5	1.63	179	5	2	6	7	3.95	4490	14
14FEN-09	124.60	127.60	3.00	230383	15	2	68	577	22.5	88	6	1.72	203	5	2	8	7	4.2	4300	15
14FEN-09	127.60	130.60	3.00	230384	35	4	83	349	17.7	184	6	1.7	210	6	1	7	14	3.36	4200	19
14FEN-09	130.60	133.60	3.00	230385	48	4	158	1060	18.8	203	6	2.08	188	5	4	6	8	3.13	3760	16
14FEN-09	133.60	136.60	3.00	230386	36	4	109	512	19.1	147	6	1.69	167	6	2	5	6	3.09	4260	15
14FEN-09	136.60	139.60	3.00	230387	23	3	96	2550	31.7	139	7	2.01	254	5	13	6	6	3.34	3630	12
14FEN-09	139.60	142.60	3.00	230388	18	2	48	714	21.6	67	5	1.37	214	5	3	6	6	2.95	3880	13
14FEN-09	142.60	145.60	3.00	230389	11	2	73	849	31.6	108	9	2.01	172	5	4	9	5	3.56	3880	14
14FEN-09	145.60	148.60	3.00	230390	58	3	111	903	30.3	417	10	2.42	226	5	4	11	6	3.98	3910	14
14FEN-09	148.60	151.60	3.00	230391	13	2	79	492	21.2	100	5	1.52	204	5	2	8	6	3.17	3630	13
14FEN-09	151.60	154.60	3.00	230392	14	2	96	684	30.8	94	6	1.45	223	5	3	9	8	3.49	3750	15
14FEN-09	154.60	157.60	3.00	230393	5	2	81	1080	24.9	108	5	1.4	257	5	5	7	7	3.19	3650	16
14FEN-09	157.60	160.60	3.00	230394	8	2	118	1410	19.5	88	5	1.25	211	5	6	7	6	2.89	3440	15
14FEN-09	160.60	163.60	3.00	230395	14	2	133	1320	18.1	120	5	0.99	250	5	6	6	7	2.85	3530	14
14FEN-09	163.60	166.60	3.00	230396	13	2	144	1320	24.9	113	7	2.01	246	5	6	7	7	3.71	3640	14
14FEN-09	166.60	169.60	3.00	230397	5	2	92	1090	20.7	45	6	1.61	227	5	4	6	7	3.14	3380	14
14FEN-09	16																			

Hole ID	From	To	Interval	Sample No	Au	Ag	Pb	Zn	Cu	As	Sb	S	Ba	Bi	Cd	Co	Cr	Fe	Mn	Ni
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
14FEN-09	184.60	187.50	2.90	230403	14	2	88	730	26	63	5	1.68	211	5	3	5	6	4.1	4560	16
14FEN-09	187.50	188.50	1.00	230404	19	<2	46	66	16	60	8	0.7	303	5	1	5	5	2.01	3680	15

## Appendix II: Statement of Expenditures

Diamond Drilling: May and October, 2014

Hy-Tech Drilling (May Program)	\$135,250.99
Hy-Tech Drilling (Oct. Program)	\$207,348.52
SGS Canada (May program (xx assays)	\$ 17,365.44
SGS Canada (Oct, program (xx assays)	\$ 15,906.44
UTM Exploration Services (core saw rental)	\$ 560.00
Deakin Industries (supplies)	\$ 484.92
Peter Daubeny (Geologist/Drill Management)	\$ 19,877.76
Jessica Holbek (Core cutter/Sampler) xx days at	\$ 5,735.91
Toby Cunningham (core splitter) 11 days at \$200/day	\$ 2,200.00
Peter Holbek (Geology Project Management) 16 days @ 1100	\$ 17,600.00
Transportation and Accommodation (see attached details)	\$ 17,442.49
Peter Daubeny expenses	\$ 3,065.01
Drill Core transport	\$ 6,190.00
Hyperspectral Analysis	\$ 490.00
Report Preparation (Peter Holbek and Richard Joyes)	\$ 14,000.00
<hr/>	
<b>Total</b>	<b>\$ 460,452.47</b>

### **Appendix III: Certificate of Qualifications**

I, Peter M. Holbek with a business address of 1700 – 700 West Pender Street, Vancouver, British Columbia, V6C 1G8, do hereby certify that:

1. I am a professional geologist registered under the Professional Engineers and Geoscientists Act of the Province of British Columbia and a member in good standing with the Association of Professional Engineers and Geoscientists of British Columbia.
2. I am a graduate of The University of British Columbia with a B.Sc. in geology 1980 and an M.Sc. in geology, 1988.
3. I have practiced my profession continuously since 1980.
4. I am Vice President, Exploration for Copper Mountain Mining Corp. having a business address as given above.
5. I supervised the work program on the Fenton property and prepared this report.

\_\_\_\_\_  
Signed  
Peter Holbek, M.Sc., P.Geo.

### **Certificate of Qualifications**

I, Richard J Joyes with a business address of 1700 – 700 West Pender Street, Vancouver, British Columbia, V6C 1G8, do hereby certify that:

1. I am a graduate of The University of Tasmania with a B.Sc. in geology 2000
2. I have practiced my profession continuously since 2000.
3. I am an exploration geologist, for Copper Mountain Mining Corp. having a business address as given above.
4. I assisted in preparing this report.

\_\_\_\_\_  
Signed  
Richard J Joyes B.Sc Geo

## **Appendix IV: Assay Certificates**



## Certificate of Analysis

Work Order : VC141865  
[Report File No.: 0000007547]

To: Peter Holbek  
COPPER MOUNTAIN MINE (BC) LTD  
1700-700 WEST PENDER STREET  
VANCOUVER BC V6C 1G8

Date: Jun 23, 2014

P.O. No. : Samples 48249 to 48299  
Project No. : FENTON PROJECT  
No. Of Samples : 51  
Date Submitted : Jun 11, 2014  
Report Comprises : Pages 1 to 11  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files:

Certified By: \_\_\_\_\_

  
Cam Chiang  
Assistant Operations Manager

**SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>**

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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	Element Method Det.Lim. Units	WtKg G_WGH79	Au@ GE_FA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
48249		4.265	24	4	0.59	215	218	<0.5	<5
48250		3.795	49	6	0.54	546	162	<0.5	<5
48251		4.695	35	5	0.50	263	125	<0.5	<5
48252		4.275	56	5	0.55	211	220	<0.5	<5
48253		4.230	17	5	0.44	145	148	<0.5	<5
48254		4.380	68	6	0.55	632	80	<0.5	6
48255		4.390	284	11	0.52	3520	73	<0.5	20
48256		3.900	118	7	0.45	362	73	<0.5	9
48257		3.975	47	3	0.43	142	73	<0.5	<5
48258		3.980	58	3	0.43	370	75	<0.5	<5
48259		4.175	76	5	0.44	233	75	<0.5	5
48260		4.125	39	3	0.44	223	75	<0.5	<5
48261		4.110	116	6	0.38	1100	70	<0.5	14
48262		4.295	41	5	0.36	1200	74	<0.5	7
48263		4.485	150	6	0.42	1050	76	<0.5	10
48264		4.155	163	5	0.40	5910	69	<0.5	20
48265		4.270	76	4	0.44	803	79	<0.5	15
48266		4.090	84	4	0.46	1040	81	<0.5	<5
48267		4.005	59	11	0.45	1080	116	0.8	9
48268		4.200	8	2	0.40	304	118	<0.5	<5
48269		4.180	88	3	0.43	1860	177	<0.5	24
48270		4.290	17	4	0.37	295	80	<0.5	12
48271		3.925	258	4	0.43	5440	82	<0.5	40
48272		3.610	29	2	0.45	545	76	<0.5	6
48273		3.600	88	3	0.42	1080	98	<0.5	<5
48274		3.885	78	2	0.46	1620	72	<0.5	<5
48275		3.975	411	10	0.59	1300	104	<0.5	71
48276		2.185	149	5	0.62	2610	104	<0.5	11
48277		5.965	85	3	0.63	295	111	<0.5	9
48278		4.195	30	2	0.53	279	78	<0.5	<5
48279		4.275	60	2	0.48	495	64	<0.5	<5
48280		4.465	74	3	0.54	368	69	<0.5	<5
48281		4.230	99	3	0.47	870	70	<0.5	<5
48282		4.270	33	3	0.54	753	90	<0.5	<5
48283		4.380	122	7	0.49	1020	76	<0.5	<5
48284		4.360	40	4	0.47	570	82	<0.5	5
48285		4.410	13	2	0.51	202	85	<0.5	<5
48286		4.500	24	3	0.40	419	71	<0.5	7
48287		4.235	17	4	0.43	827	74	<0.5	11
48288		4.600	343	4	0.38	1050	72	<0.5	10

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Element	WtKg	Au@	Ag@	Al@	As@	Ba@	Be@	Bi@
Method	G_WGH79	GE_FA313	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	5	2	0.01	3	5	0.5	5
Units	kg	ppb	ppm	%	ppm	ppm	ppm	ppm
48289	4.075	20	5	0.42	773	66	<0.5	<5
48290	4.810	869	13	0.46	8360	70	<0.5	17
48291	4.280	85	8	0.45	1130	68	<0.5	14
48292	4.495	154	8	0.47	2050	65	<0.5	14
48293	4.615	113	2	0.47	320	77	<0.5	9
48294	4.545	10	<2	0.48	204	83	<0.5	<5
48295	4.570	11	<2	0.46	279	86	<0.5	<5
48296	4.380	32	<2	0.46	1400	79	<0.5	10
48297	4.255	14	<2	0.40	290	79	<0.5	6
48298	4.305	33	<2	0.45	305	83	<0.5	<5
48299	4.135	38	<2	0.45	441	67	<0.5	8

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Element Method Det.Lim. Units	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
48249	0.18	5	3	5	38.6	5.17	<1	0.40
48250	0.17	4	5	5	49.7	6.21	<1	0.38
48251	0.15	4	2	4	43.7	5.36	<1	0.35
48252	0.16	5	2	4	41.9	4.77	2	0.35
48253	0.19	5	2	4	43.2	5.11	<1	0.30
48254	0.17	4	3	4	43.2	5.45	1	0.39
48255	0.22	28	5	4	67.9	6.19	<1	0.39
48256	0.19	5	3	4	31.5	4.80	<1	0.33
48257	0.17	6	3	4	27.3	4.98	<1	0.32
48258	0.22	6	5	4	30.9	5.19	<1	0.29
48259	0.19	7	4	4	32.9	5.39	<1	0.28
48260	0.17	7	3	4	38.2	4.93	1	0.30
48261	0.19	11	7	4	48.2	4.70	<1	0.30
48262	0.14	10	15	4	43.2	4.99	<1	0.27
48263	0.19	10	4	3	41.1	5.56	<1	0.33
48264	0.13	11	72	4	45.0	5.19	<1	0.33
48265	0.16	10	14	4	52.1	5.71	<1	0.34
48266	0.18	12	11	5	41.7	5.29	<1	0.34
48267	0.16	14	10	3	61.2	5.14	<1	0.33
48268	0.16	13	3	4	42.6	5.13	<1	0.30
48269	0.17	14	12	4	48.4	5.83	<1	0.34
48270	0.17	11	1	4	45.2	5.81	<1	0.30
48271	0.17	12	15	4	46.1	6.64	<1	0.33
48272	0.15	15	1	4	47.5	5.55	1	0.35
48273	0.19	14	4	3	41.2	5.03	<1	0.32
48274	0.22	16	4	3	55.6	6.25	<1	0.39
48275	0.24	18	2	4	70.3	6.16	<1	0.45
48276	0.23	16	13	5	56.1	5.57	<1	0.47
48277	0.18	8	5	6	43.3	5.10	<1	0.50
48278	0.16	7	6	6	60.5	4.97	<1	0.41
48279	0.17	8	6	6	47.5	5.11	1	0.40
48280	0.11	5	5	5	54.7	4.51	<1	0.44
48281	0.20	7	2	4	47.9	5.40	<1	0.38
48282	0.18	14	4	4	41.0	5.03	<1	0.43
48283	0.15	13	4	5	39.7	4.51	<1	0.37
48284	0.20	13	3	5	39.9	5.16	<1	0.35
48285	0.11	12	2	6	37.2	4.97	<1	0.39
48286	0.16	17	4	5	47.6	4.86	<1	0.32
48287	0.14	17	3	5	44.8	5.02	<1	0.36
48288	0.15	15	2	5	40.2	5.36	<1	0.33

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Element Method Det.Lim. Units	Ca@ GE_ICP14B 0.01 %	Cd@ GE_ICP14B 1 ppm	Co@ GE_ICP14B 1 ppm	Cr@ GE_ICP14B 1 ppm	Cu@ GE_ICP14B 0.5 ppm	Fe@ GE_ICP14B 0.01 %	Hg@ GE_ICP14B 1 ppm	K@ GE_ICP14B 0.01 %
48289	0.17	18	1	4	47.2	5.34	<1	0.35
48290	0.13	35	2	4	99.6	5.78	1	0.35
48291	0.21	23	4	5	55.5	5.83	1	0.35
48292	0.17	21	2	5	61.7	5.09	<1	0.37
48293	0.17	16	3	6	40.4	5.15	<1	0.37
48294	0.12	16	3	6	39.6	5.01	<1	0.37
48295	0.10	14	3	6	36.4	4.86	2	0.33
48296	0.12	17	15	7	38.8	5.00	<1	0.34
48297	0.10	15	7	5	42.6	4.81	<1	0.32
48298	0.17	17	9	7	48.3	5.17	<1	0.34
48299	0.18	16	8	5	45.8	4.86	<1	0.37

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	Element Method Det.Lim. Units	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
48249		4.5	1	0.32	3890	3	0.02	8	0.05
48250		4.8	2	0.30	3570	5	0.02	7	0.05
48251		3.3	2	0.30	2920	3	0.01	8	0.04
48252		3.4	2	0.30	3000	3	0.02	8	0.05
48253		4.2	1	0.29	3920	2	0.02	7	0.04
48254		4.6	2	0.32	4930	7	0.01	9	0.04
48255		5.8	1	0.31	6570	2	0.01	7	0.04
48256		3.5	1	0.31	3640	2	0.01	8	0.04
48257		3.7	1	0.33	4300	1	0.01	7	0.04
48258		3.7	2	0.35	3950	2	0.01	8	0.05
48259		3.1	1	0.35	3270	4	0.01	8	0.05
48260		3.6	1	0.30	3760	7	0.01	8	0.04
48261		4.3	1	0.26	4630	2	0.01	7	0.05
48262		4.1	1	0.26	4540	4	0.01	8	0.03
48263		5.7	<1	0.28	6930	3	0.01	8	0.04
48264		6.4	<1	0.23	4430	3	0.01	8	0.03
48265		5.0	1	0.31	4570	3	0.01	8	0.04
48266		5.7	1	0.30	6370	4	0.01	8	0.04
48267		4.4	1	0.26	4740	3	0.01	9	0.03
48268		4.6	2	0.34	5110	4	0.01	8	0.04
48269		5.4	1	0.31	5040	5	0.01	9	0.04
48270		5.3	1	0.36	5350	5	0.01	8	0.03
48271		4.4	<1	0.34	4290	5	0.01	8	0.04
48272		4.9	1	0.31	4660	2	0.01	7	0.04
48273		3.8	<1	0.25	4830	3	0.01	8	0.05
48274		5.1	<1	0.29	6110	3	0.01	7	0.05
48275		4.4	1	0.26	6180	3	0.02	8	0.06
48276		4.6	1	0.24	5770	3	0.02	8	0.06
48277		5.4	1	0.26	5950	4	0.02	8	0.04
48278		5.5	1	0.20	5070	6	0.01	8	0.04
48279		5.5	<1	0.18	6290	6	0.01	7	0.04
48280		5.3	1	0.15	5310	7	0.01	8	0.02
48281		5.4	1	0.23	8520	3	0.01	9	0.05
48282		5.9	1	0.25	7140	3	0.01	7	0.05
48283		4.0	1	0.16	4490	4	0.01	8	0.05
48284		5.6	<1	0.22	4560	3	0.01	8	0.06
48285		3.5	<1	0.24	4100	3	0.01	8	0.03
48286		3.8	<1	0.23	4700	4	0.01	8	0.05
48287		4.3	<1	0.21	4710	3	0.01	7	0.04
48288		4.9	<1	0.20	3980	4	0.01	7	0.04

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Element Method Det.Lim. Units	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
48289	4.6	<1	0.22	4400	3	0.01	8	0.05
48290	5.7	<1	0.15	3020	3	0.01	7	0.05
48291	5.9	<1	0.22	4250	2	0.01	9	0.06
48292	7.1	<1	0.23	4470	4	0.01	7	0.06
48293	3.4	<1	0.24	4870	2	0.01	8	0.05
48294	6.3	<1	0.24	3890	3	0.01	8	0.03
48295	5.2	<1	0.23	4200	2	0.01	8	0.03
48296	5.3	<1	0.21	4130	4	0.01	8	0.03
48297	5.3	<1	0.22	3910	3	0.01	8	0.03
48298	5.1	<1	0.27	4120	3	0.01	8	0.05
48299	6.1	<1	0.23	3410	3	0.01	8	0.05

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	Element Method Det.Lim. Units	Pb@ GE_ICP14B 2 ppm	S@ GE_ICP14B 0.01 %	Sb@ GE_ICP14B 5 ppm	Sc@ GE_ICP14B 0.5 ppm	Sn@ GE_ICP14B 10 ppm	Sr@ GE_ICP14B 5 ppm	Ti@ GE_ICP14B 0.01 %	V@ GE_ICP14B 1 ppm
48249		825	1.68	8	1.4	<10	69	<0.01	12
48250		985	2.23	10	1.4	<10	64	<0.01	14
48251		1100	2.01	9	1.4	<10	65	<0.01	13
48252		962	1.64	40	1.3	<10	65	<0.01	12
48253		835	1.66	100	1.3	<10	56	<0.01	11
48254		607	1.88	76	1.3	<10	65	<0.01	11
48255		867	2.80	149	1.0	<10	54	<0.01	10
48256		720	1.65	28	1.0	<10	60	<0.01	11
48257		193	1.35	29	1.1	<10	57	<0.01	12
48258		120	1.43	25	1.2	<10	69	<0.01	12
48259		127	1.64	36	1.1	<10	75	<0.01	12
48260		148	1.53	34	1.3	<10	67	<0.01	11
48261		453	2.18	149	1.0	<10	56	<0.01	8
48262		288	2.03	47	1.1	<10	59	<0.01	9
48263		487	2.28	36	1.0	<10	63	<0.01	9
48264		305	2.53	33	0.7	<10	52	<0.01	9
48265		304	2.38	20	0.7	<10	63	<0.01	10
48266		406	2.07	41	0.7	<10	71	<0.01	9
48267		372	2.56	65	0.8	<10	72	<0.01	9
48268		187	1.89	16	1.1	<10	68	<0.01	10
48269		180	2.67	31	1.1	<10	58	<0.01	10
48270		265	2.00	33	1.2	<10	58	<0.01	11
48271		324	2.87	72	1.0	<10	53	<0.01	11
48272		226	2.27	42	0.9	<10	39	<0.01	10
48273		388	2.34	76	1.2	<10	59	<0.01	9
48274		171	2.63	47	1.3	<10	25	<0.01	10
48275		502	2.90	118	0.8	<10	22	<0.01	9
48276		282	2.89	57	0.8	<10	19	<0.01	9
48277		253	2.24	32	1.1	<10	25	<0.01	10
48278		211	2.61	30	0.9	<10	20	<0.01	9
48279		308	2.42	101	0.8	<10	21	<0.01	8
48280		364	2.74	103	0.8	<10	19	<0.01	9
48281		527	2.63	85	0.8	<10	25	<0.01	8
48282		368	2.01	40	1.0	<10	19	<0.01	9
48283		332	2.74	98	0.9	<10	59	<0.01	8
48284		255	2.41	128	1.1	<10	75	<0.01	9
48285		188	2.10	58	1.3	<10	57	<0.01	11
48286		402	2.24	144	1.1	<10	47	<0.01	9
48287		241	1.98	86	1.2	<10	38	<0.01	10
48288		188	2.16	88	1.1	<10	36	<0.01	10

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Final : VC141865 Order: Samples 48249 to 48299

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Report File No: 0000007547

	Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Tl@ GE_ICP14B	V@ GE_ICP14B
	Det.Lim. Units	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
48289		263	2.33	73	1.0	<10	23	<0.01	9
48290		2130	4.46	690	0.7	<10	15	<0.01	9
48291		333	3.58	177	1.0	<10	16	<0.01	10
48292		829	2.58	194	1.1	<10	17	<0.01	9
48293		141	1.97	34	1.5	<10	50	<0.01	11
48294		131	1.89	28	1.5	<10	54	<0.01	11
48295		126	1.81	24	1.3	<10	60	<0.01	12
48296		144	2.14	33	1.3	<10	52	<0.01	11
48297		192	1.93	40	1.3	<10	47	<0.01	11
48298		149	1.93	42	1.2	<10	59	<0.01	11
48299		139	2.22	55	0.9	<10	28	<0.01	9

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Report File No.: 0000007547

Element Method Det.Lim. Units	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B
48249	<10	4.1	1350	4.4
48250	<10	4.2	1340	4.5
48251	<10	3.8	1090	4.0
48252	<10	3.7	1440	4.1
48253	<10	3.4	1350	3.9
48254	<10	3.3	1190	4.3
48255	<10	3.5	5360	4.3
48256	<10	3.8	1440	3.8
48257	<10	3.7	1740	3.8
48258	<10	3.7	1550	3.9
48259	<10	3.7	1870	4.1
48260	<10	3.4	1920	3.5
48261	<10	3.2	2730	3.9
48262	<10	2.5	2420	3.6
48263	<10	3.0	2460	4.0
48264	<10	2.6	2860	4.0
48265	<10	3.0	2580	4.0
48266	<10	3.5	2980	3.9
48267	<10	3.1	3220	4.1
48268	<10	2.6	3080	3.8
48269	<10	2.3	3320	4.1
48270	<10	2.3	2570	3.4
48271	<10	3.1	2920	3.6
48272	<10	2.8	3510	3.5
48273	<10	3.6	3170	3.9
48274	<10	3.5	3710	4.1
48275	<10	3.1	3810	4.3
48276	<10	3.0	3600	4.6
48277	<10	3.7	1900	4.8
48278	<10	3.5	1670	4.4
48279	<10	3.3	1900	4.1
48280	<10	3.3	1210	4.4
48281	<10	4.3	1570	4.0
48282	<10	3.7	3190	3.8
48283	<10	3.6	2920	4.0
48284	<10	4.0	2860	3.8
48285	<10	3.0	2560	4.3
48286	<10	3.4	3640	3.6
48287	<10	3.0	3560	3.8
48288	<10	2.9	3340	3.7

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Element	W@	Y@	Zn@	Zr@
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	10	0.5	1	0.5
Units	ppm	ppm	ppm	ppm
48289	<10	2.8	3910	3.7
48290	<10	2.3	7250	4.2
48291	<10	2.9	4880	4.3
48292	<10	3.0	4530	3.9
48293	<10	3.9	3300	3.9
48294	<10	3.3	3240	3.7
48295	<10	2.8	3030	3.9
48296	<10	3.0	3520	4.1
48297	<10	2.9	3260	3.8
48298	<10	4.2	3530	4.2
48299	<10	4.3	3220	3.9

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## Certificate of Analysis

Work Order : VC141868

[Report File No.: 0000007774]

To: Peter Holbek  
COPPER MOUNTAIN MINE (BC) LTD  
1700-700 WEST PENDER STREET  
VANCOUVER BC V6C 1G8

Date: Jul 04, 2014

P.O. No. : Samples 48185 to 48248  
Project No. : FENTON PROJECT  
No. Of Samples : 64  
Date Submitted : Jun 11, 2014  
Report Comprises : Pages 1 to 11  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files:

Certified By :



Cam O'Chiang  
Assistant Operations Manager

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer: L.N.R. = Listed not received      I.S. = Insufficient Sample  
n.a. = Not applicable      -- = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method	WtKg	Au@ GE_FA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
Det.Lim. Units	G_WGH79	0.01 kg	5 ppb	2 ppm	0.01 %	3 ppm	5 ppm	0.5 ppm
48185		4.220	16	4	0.56	400	39	<0.5
48186		3.920	16	4	0.49	358	36	<0.5
48187		3.950	8	2	0.51	171	39	<0.5
48188		3.990	11	3	0.50	239	42	<0.5
48189		3.910	6	3	0.49	67	35	<0.5
48190		3.905	16	3	0.45	675	37	<0.5
48191		3.890	11	4	0.48	452	34	<0.5
48192		4.105	26	6	0.45	794	35	<0.5
48193		3.790	36	19	0.41	1310	109	<0.5
48194		3.975	11	4	0.39	404	33	<0.5
48195		4.255	16	3	0.30	353	26	<0.5
48196		4.195	11	4	0.42	481	34	<0.5
48197		4.185	11	2	0.29	240	22	<0.5
48198		4.070	12	2	0.31	448	24	<0.5
48199		4.200	14	3	0.39	266	33	<0.5
48200		4.250	19	3	0.45	349	38	<0.5
48201		4.020	8	5	0.57	294	126	<0.5
48202		3.940	172	26	0.44	8190	41	<0.5
48203		4.230	13	3	0.37	221	46	<0.5
48204		4.045	21	3	0.51	363	39	<0.5
48205		4.190	10	3	0.55	113	40	<0.5
48206		4.185	7	2	0.52	148	39	<0.5
48207		3.545	9	2	0.45	118	34	<0.5
48208		4.515	11	2	0.43	77	71	<0.5
48209		4.250	10	3	0.43	73	40	<0.5
48210		4.220	148	8	0.44	2330	42	<0.5
48211		4.180	21	<2	0.33	243	33	<0.5
48212		3.990	118	5	0.39	1350	44	<0.5
48213		4.025	58	4	0.39	766	45	<0.5
48214		4.160	275	8	0.43	1110	50	<0.5
48215		4.395	50	5	0.45	788	41	<0.5
48216		4.180	35	5	0.47	1040	46	<0.5
48217		4.020	32	3	0.54	607	50	<0.5
48218		4.150	29	3	0.50	932	51	<0.5
48219		4.245	79	3	0.53	1380	48	<0.5
48220		4.410	102	3	0.63	1480	65	<0.5
48221		3.985	348	6	0.61	3660	63	<0.5
48222		4.170	90	3	0.63	1580	65	<0.5
48223		4.305	47	3	0.67	714	67	<0.5
48224		4.405	91	7	0.69	999	76	<0.5

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Element	WtKg	Au@	Ag@	Al@	As@	Ba@	Be@	Bi@
Method	G_WGH79	GE_FA313	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	5	2	0.01	3	5	0.5	5
Units	kg	ppb	ppm	%	ppm	ppm	ppm	ppm
48225	4.175	215	15	0.66	5350	68	<0.5	29
48226	4.280	171	11	0.70	3510	73	<0.5	18
48227	4.365	29	3	0.72	475	86	<0.5	<5
48228	4.210	26	2	0.76	297	221	<0.5	<5
48229	4.150	16	3	0.73	116	151	<0.5	<5
48230	4.605	27	6	0.65	418	337	<0.5	6
48231	3.760	18	4	0.67	147	154	<0.5	<5
48232	4.055	26	15	0.58	177	115	<0.5	31
48233	4.085	25	4	0.63	275	74	<0.5	<5
48234	3.980	25	3	0.64	288	154	<0.5	<5
48235	3.950	67	3	0.52	295	134	<0.5	<5
48236	4.010	56	3	0.53	723	131	<0.5	<5
48237	4.040	37	5	0.51	329	235	<0.5	5
48238	4.305	21	3	0.65	162	195	<0.5	<5
48239	4.015	20	<2	0.57	210	257	<0.5	<5
48240	3.685	36	3	0.60	306	115	<0.5	<5
48241	4.355	45	5	0.53	1410	114	<0.5	7
48242	4.040	30	4	0.63	249	336	<0.5	6
48243	3.255	43	7	0.56	212	261	<0.5	9
48244	3.990	27	5	0.52	170	211	<0.5	<5
48245	4.245	29	4	0.55	106	247	<0.5	<5
48246	4.385	107	7	0.53	299	198	<0.5	6
48247	4.285	71	6	0.53	277	233	<0.5	<5
48248	4.200	95	7	0.52	581	205	<0.5	<5

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Final : VC141868 Order: Samples 48185 to 48248

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Report File No.: 0000007774

Element Method Det.Lim. Units	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
48185	0.19	1	1	4	31.9	3.52	<1	0.48
48186	0.19	2	2	4	27.6	3.15	<1	0.45
48187	0.22	2	1	3	14.4	3.30	<1	0.44
48188	0.15	1	<1	3	26.1	3.23	<1	0.45
48189	0.16	1	<1	3	25.7	3.21	<1	0.42
48190	0.17	<1	4	3	38.6	3.29	<1	0.40
48191	0.13	<1	3	2	37.8	2.81	<1	0.41
48192	0.13	<1	5	2	54.7	2.93	<1	0.41
48193	0.14	<1	9	2	100	4.13	<1	0.37
48194	0.14	2	2	2	39.6	2.51	<1	0.37
48195	0.09	1	1	2	37.8	1.79	<1	0.25
48196	0.12	1	3	2	49.7	2.55	<1	0.36
48197	0.06	<1	2	2	31.5	1.56	<1	0.24
48198	0.08	1	3	2	26.6	1.82	<1	0.27
48199	0.10	<1	2	3	33.4	2.47	<1	0.33
48200	0.13	2	2	4	45.4	3.02	<1	0.39
48201	0.14	2	2	4	43.5	3.06	<1	0.47
48202	0.11	<1	17	3	120	5.74	<1	0.36
48203	0.12	2	<1	3	46.7	3.08	<1	0.33
48204	0.13	3	1	4	47.0	3.02	<1	0.45
48205	0.12	2	<1	4	41.9	3.08	<1	0.48
48206	0.12	2	2	3	42.6	3.30	<1	0.45
48207	0.08	3	2	4	33.1	2.46	<1	0.38
48208	0.09	2	<1	3	23.2	2.18	<1	0.38
48209	0.10	7	1	4	30.6	2.76	<1	0.38
48210	0.11	17	5	3	59.1	3.90	<1	0.38
48211	0.07	2	2	2	20.5	1.86	<1	0.28
48212	0.12	11	2	3	41.4	3.62	<1	0.36
48213	0.11	7	3	4	40.7	2.91	<1	0.35
48214	0.14	9	3	3	67.5	3.83	<1	0.37
48215	0.12	6	<1	3	33.1	3.29	<1	0.38
48216	0.14	5	3	3	39.7	3.42	<1	0.39
48217	0.13	2	2	3	28.8	3.21	<1	0.43
48218	0.12	2	3	4	41.1	3.54	<1	0.41
48219	0.10	3	3	3	24.9	2.28	<1	0.41
48220	0.19	4	6	3	33.1	3.90	<1	0.46
48221	0.25	14	6	4	40.1	5.52	<1	0.44
48222	0.23	2	5	4	<0.5	4.97	<1	0.42
48223	0.19	3	2	4	31.7	4.72	<1	0.43
48224	0.16	8	4	4	46.0	5.63	<1	0.46

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Final : VC141868 Order: Samples 48185 to 48248

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Report File No.: 0000007774

	Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
	Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
48225		0.20	11	14	3	51.7	5.67	<1	0.53
48226		0.25	4	7	5	44.2	5.66	<1	0.45
48227		0.21	4	5	5	31.8	4.74	<1	0.43
48228		0.22	1	4	6	24.2	4.81	<1	0.40
48229		0.18	1	3	5	27.1	4.54	<1	0.40
48230		0.17	4	3	6	32.6	4.74	<1	0.38
48231		0.17	<1	3	5	28.1	4.52	<1	0.40
48232		0.16	2	2	4	29.0	4.25	<1	0.38
48233		0.19	2	6	5	29.1	4.58	<1	0.37
48234		0.19	<1	9	6	21.8	4.74	<1	0.33
48235		0.20	2	9	5	27.3	4.21	<1	0.32
48236		0.21	1	13	5	25.1	4.37	<1	0.35
48237		0.22	2	10	5	26.0	4.22	<1	0.34
48238		0.25	1	7	6	19.7	4.17	<1	0.38
48239		0.24	1	8	5	21.8	4.07	<1	0.37
48240		0.27	2	6	5	32.1	4.88	<1	0.42
48241		0.22	<1	10	4	36.3	4.43	<1	0.37
48242		0.20	<1	12	5	31.9	4.41	<1	0.38
48243		0.26	3	6	3	47.7	5.24	<1	0.41
48244		0.19	4	3	4	51.4	5.34	<1	0.41
48245		0.20	4	1	4	44.4	4.73	<1	0.39
48246		0.18	7	2	5	47.3	5.39	<1	0.39
48247		0.22	6	4	4	42.8	5.44	<1	0.37
48248		0.22	7	3	4	41.9	5.52	<1	0.38

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Report File No.: 0000007774

	Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
48185		10.6	<1	0.18	4780	3	0.01	2	0.01
48186		9.9	<1	0.17	5340	2	0.01	2	0.02
48187		10.3	<1	0.20	5860	3	0.01	2	0.01
48188		8.9	<1	0.16	4990	2	0.01	2	0.02
48189		9.3	<1	0.16	4990	3	0.01	2	0.01
48190		10.9	<1	0.15	5440	3	0.01	2	0.01
48191		13.6	<1	0.11	4010	2	0.01	1	0.01
48192		11.3	<1	0.10	3820	3	0.01	<1	0.01
48193		7.8	<1	0.10	3960	3	0.01	<1	0.01
48194		11.6	<1	0.11	4420	2	0.01	1	0.01
48195		9.0	<1	0.08	3240	2	<0.01	<1	<0.01
48196		11.6	<1	0.10	3630	3	0.01	<1	0.01
48197		7.6	<1	0.06	1820	2	<0.01	<1	<0.01
48198		9.3	<1	0.08	2640	2	<0.01	<1	<0.01
48199		8.1	<1	0.09	2620	2	0.01	1	<0.01
48200		10.2	<1	0.11	3830	2	0.01	1	0.01
48201		11.9	<1	0.13	4760	3	0.01	2	0.01
48202		7.0	<1	0.10	2430	2	0.01	<1	0.01
48203		7.4	<1	0.11	3160	3	0.01	1	0.01
48204		9.1	<1	0.12	4770	2	0.01	2	0.01
48205		11.6	<1	0.11	4180	3	0.01	2	0.01
48206		9.7	<1	0.11	4190	3	0.01	2	0.01
48207		8.9	<1	0.08	2510	3	0.01	2	0.01
48208		10.2	<1	0.09	3290	3	0.01	1	<0.01
48209		10.9	<1	0.09	4030	3	0.01	1	<0.01
48210		8.4	<1	0.09	4470	3	0.01	<1	0.01
48211		7.9	<1	0.07	2830	2	<0.01	1	<0.01
48212		8.3	<1	0.11	5680	2	0.01	2	<0.01
48213		8.3	<1	0.10	4120	3	0.01	2	0.01
48214		8.4	<1	0.11	6200	3	0.01	3	0.01
48215		11.6	<1	0.11	4340	3	0.01	1	0.02
48216		9.1	<1	0.12	4260	3	0.01	3	0.02
48217		10.5	<1	0.12	4600	4	0.01	2	0.02
48218		8.6	1	0.13	5060	3	0.01	2	0.01
48219		9.6	1	0.10	2950	3	0.01	2	0.02
48220		6.4	<1	0.20	4850	2	0.01	5	0.05
48221		5.9	1	0.28	7800	4	0.01	6	0.05
48222		4.9	2	0.28	6150	2	0.01	7	0.05
48223		4.3	2	0.30	5670	2	0.01	8	0.04
48224		4.7	2	0.30	5690	4	0.01	8	0.03

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Final : VC141868 Order: Samples 48185 to 48248

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Report File No.: 0000007774

	Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
48225		6.5	1	0.27	5490	2	0.01	7	0.03
48226		5.1	2	0.36	5800	3	0.01	7	0.05
48227		4.7	3	0.41	5170	2	0.01	8	0.05
48228		4.5	4	0.39	5660	5	0.01	10	0.06
48229		4.7	3	0.39	4500	2	0.01	9	0.05
48230		4.7	3	0.38	4480	2	0.01	8	0.05
48231		5.0	3	0.40	4970	2	0.01	8	0.05
48232		4.2	2	0.32	4560	2	0.01	7	0.04
48233		4.7	3	0.38	4770	3	0.01	8	0.05
48234		4.3	4	0.47	4890	3	0.01	8	0.06
48235		3.8	3	0.41	4100	3	0.01	8	0.06
48236		3.9	3	0.37	4340	1	0.01	8	0.06
48237		3.7	3	0.35	4360	2	0.01	8	0.06
48238		3.5	3	0.37	4640	4	0.01	8	0.06
48239		4.1	3	0.40	4610	2	0.01	8	0.06
48240		5.5	2	0.47	6850	2	0.02	7	0.05
48241		5.0	2	0.31	3980	2	0.01	8	0.06
48242		8.6	3	0.30	3660	3	0.02	11	0.05
48243		5.3	<1	0.31	4250	2	0.01	8	0.04
48244		4.6	<1	0.31	4190	2	0.01	8	0.05
48245		4.3	1	0.33	3400	3	0.01	9	0.06
48246		5.1	1	0.33	3860	4	0.01	9	0.05
48247		4.4	2	0.38	5000	5	0.01	8	0.05
48248		4.2	2	0.38	5160	3	0.01	8	0.05

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Final : VC141868 Order: Samples 48185 to 48248

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Report File No.: 0000007774

Element Method Det.Lim. Units	Pb@ GE_ICP14B 2 ppm	S@ GE_ICP14B 0.01 %	Sb@ GE_ICP14B 5 ppm	Sc@ GE_ICP14B 0.5 ppm	Sn@ GE_ICP14B 10 ppm	Sr@ GE_ICP14B 5 ppm	Ti@ GE_ICP14B 0.01 %	V@ GE_ICP14B 1 ppm
48185	201	1.02	32	<0.5	<10	17	<0.01	4
48186	219	0.75	29	<0.5	<10	16	<0.01	4
48187	111	0.50	15	<0.5	<10	19	<0.01	4
48188	177	0.90	16	<0.5	<10	16	<0.01	4
48189	149	0.76	17	<0.5	<10	20	<0.01	4
48190	213	0.78	21	<0.5	<10	19	<0.01	4
48191	147	1.01	23	<0.5	<10	18	<0.01	3
48192	145	1.33	32	<0.5	<10	16	<0.01	3
48193	275	2.54	53	<0.5	<10	15	<0.01	4
48194	173	0.78	21	<0.5	<10	16	<0.01	3
48195	120	0.60	15	<0.5	<10	11	<0.01	2
48196	128	0.86	23	<0.5	<10	16	<0.01	3
48197	57	0.73	16	<0.5	<10	9	<0.01	2
48198	125	0.69	30	<0.5	<10	13	<0.01	2
48199	94	0.98	24	<0.5	<10	12	<0.01	3
48200	194	1.15	33	<0.5	<10	15	<0.01	3
48201	228	0.95	43	<0.5	<10	15	<0.01	3
48202	412	3.49	85	<0.5	<10	13	<0.01	5
48203	278	1.18	53	<0.5	<10	16	<0.01	3
48204	343	1.00	73	<0.5	<10	16	<0.01	3
48205	396	1.17	69	<0.5	<10	17	<0.01	3
48206	265	1.30	53	<0.5	<10	19	<0.01	4
48207	339	1.14	47	<0.5	<10	25	<0.01	3
48208	309	0.87	61	<0.5	<10	20	<0.01	2
48209	715	1.30	72	<0.5	<10	18	<0.01	3
48210	2140	2.59	61	<0.5	<10	19	<0.01	4
48211	323	0.91	13	<0.5	<10	13	<0.01	2
48212	1110	1.88	138	<0.5	<10	14	<0.01	4
48213	916	1.61	84	<0.5	<10	16	<0.01	3
48214	1660	2.33	179	<0.5	<10	24	<0.01	4
48215	1260	1.78	118	<0.5	<10	15	<0.01	3
48216	1230	1.69	93	<0.5	<10	18	<0.01	4
48217	471	1.35	47	<0.5	<10	14	<0.01	4
48218	411	1.58	70	<0.5	<10	13	<0.01	4
48219	564	0.99	115	<0.5	<10	28	<0.01	3
48220	564	1.54	104	0.8	<10	55	<0.01	8
48221	1290	1.74	201	1.2	<10	45	<0.01	11
48222	395	1.54	57	1.2	<10	55	<0.01	12
48223	379	1.59	59	1.3	<10	59	<0.01	13
48224	1350	2.58	111	1.3	<10	61	<0.01	13

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Final : VC141868 Order: Samples 48185 to 48248

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Report File No.: 0000007774

	Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
	Det.Lim. Units	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
48225		1170	3.06	45	1.0	<10	34	<0.01	10
48226		839	2.33	19	1.4	<10	56	<0.01	14
48227		235	1.15	10	1.7	<10	60	<0.01	15
48228		203	1.19	32	2.0	<10	72	<0.01	16
48229		184	1.11	30	1.7	<10	64	<0.01	16
48230		459	1.36	68	1.6	<10	61	<0.01	16
48231		220	1.06	22	1.6	<10	59	<0.01	16
48232		579	1.33	38	1.2	<10	51	<0.01	12
48233		338	1.23	24	1.5	<10	56	<0.01	14
48234		262	0.89	17	1.7	<10	58	<0.01	18
48235		365	1.00	11	1.5	<10	61	<0.01	16
48236		262	1.27	7	1.5	<10	65	<0.01	16
48237		354	1.19	7	1.5	<10	86	<0.01	15
48238		193	0.94	<5	1.6	<10	112	<0.01	17
48239		181	0.97	5	1.4	<10	102	<0.01	15
48240		300	1.06	<5	1.5	<10	109	<0.01	16
48241		155	1.37	14	1.2	<10	92	<0.01	13
48242		123	1.03	14	1.4	<10	106	<0.01	16
48243		605	1.80	91	1.0	<10	117	<0.01	11
48244		483	1.63	37	1.0	<10	112	<0.01	10
48245		822	1.49	19	1.1	<10	115	<0.01	10
48246		1150	1.92	16	1.3	<10	95	<0.01	12
48247		862	1.68	50	1.2	<10	82	<0.01	12
48248		1320	1.75	14	1.2	<10	78	<0.01	11

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Report File No.: 0000007774

Element	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B
Method				
Det.Lim.	10	0.5	1	0.5
Units	ppm	ppm	ppm	ppm
48185	<10	1.9	464	6.4
48186	<10	1.8	805	6.2
48187	<10	1.9	586	6.3
48188	<10	1.7	434	6.4
48189	<10	1.8	429	6.4
48190	<10	1.8	353	6.2
48191	<10	1.6	193	6.9
48192	<10	1.6	29	7.2
48193	<10	1.4	182	6.9
48194	<10	1.5	648	6.6
48195	<10	1.1	486	3.9
48196	<10	1.5	450	5.7
48197	<10	1.0	287	3.4
48198	<10	1.1	494	4.0
48199	<10	1.4	286	5.0
48200	<10	1.7	586	5.8
48201	<10	2.0	673	6.7
48202	<10	1.5	300	6.6
48203	<10	1.4	581	5.5
48204	<10	1.7	916	6.3
48205	<10	1.8	596	6.4
48206	<10	2.0	671	6.6
48207	<10	1.8	805	5.9
48208	<10	1.5	747	5.6
48209	<10	1.9	1950	6.4
48210	<10	1.7	4630	6.5
48211	<10	1.5	708	5.2
48212	<10	1.9	3230	6.5
48213	<10	1.9	2020	7.2
48214	<10	1.9	2470	6.7
48215	<10	2.0	1690	5.9
48216	<10	2.5	1450	6.4
48217	<10	2.1	627	6.2
48218	<10	1.9	594	6.3
48219	<10	2.3	787	6.3
48220	<10	3.6	1240	5.6
48221	<10	4.4	3970	5.7
48222	<10	4.1	746	5.6
48223	<10	3.5	1050	5.6
48224	<10	3.3	2320	5.7

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Element Method	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B
Det.Lim. Units	10 ppm	0.5 ppm	1 ppm	0.5 ppm
48225	<10	3.3	3020	5.4
48226	<10	4.0	994	6.1
48227	<10	4.0	1030	5.7
48228	<10	4.7	400	6.1
48229	<10	4.6	419	6.0
48230	<10	4.1	1060	5.8
48231	<10	3.9	364	5.0
48232	<10	3.5	604	4.8
48233	<10	3.6	678	5.4
48234	<10	4.0	320	5.4
48235	<10	4.0	459	5.3
48236	<10	4.0	421	5.1
48237	<10	4.5	496	5.0
48238	<10	4.8	404	5.0
48239	<10	4.1	581	4.4
48240	<10	4.0	716	4.5
48241	<10	3.9	299	4.3
48242	<10	3.9	282	4.6
48243	<10	3.7	959	4.4
48244	<10	3.9	958	4.5
48245	<10	4.3	1220	4.1
48246	<10	4.1	1910	4.5
48247	<10	4.2	1760	4.3
48248	<10	4.2	1980	4.3

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## Certificate of Analysis

Work Order : VC141955  
[Report File No.: 0000007816]

To: Peter Holbek  
COPPER MOUNTAIN MINE (BC) LTD  
1700-700 WEST PENDER STREET  
VANCOUVER BC V6C 1G8

Date: Jul 09, 2014

P.O. No. : Batch#2 48151 to 48184, 48300 to 483  
Project No. : FENTON PROJECT  
No. Of Samples : 94  
Date Submitted : Jun 16, 2014  
Report Comprises : Pages 1 to 16  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files:

Certified By :



Cam Chiang  
Assistant Operations Manager

**SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>**

Report Footer: L.N.R. = Listed not received      I.S. = Insufficient Sample  
n.a. = Not applicable      -- = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC141955 Order: Batch#2 48151 to 48184, 48300 to 483

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Report File No.: 0000007816

Element Method	WtKg G_WGH79	Au@ GE_FA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
Det.Lim. Units	kg	ppb	ppm	%	ppm	ppm	ppm	ppm
48151	2.975	<5	2	0.49	77	56	<0.5	<5
48152	3.980	<5	2	0.39	28	40	<0.5	<5
48153	4.105	<5	2	0.45	33	44	<0.5	<5
48154	4.250	8	5	0.41	1720	131	<0.5	<5
48155	4.105	<5	2	0.42	39	94	<0.5	<5
48156	4.105	<5	<2	0.39	165	254	<0.5	<5
48157	4.010	<5	2	0.43	35	84	<0.5	<5
48158	4.110	<5	2	0.41	840	103	<0.5	<5
48159	4.115	<5	<2	0.50	74	88	<0.5	<5
48160	3.615	<5	3	0.54	89	54	<0.5	<5
48161	3.235	<5	2	0.53	29	59	<0.5	<5
48162	4.125	<5	4	0.50	560	111	<0.5	<5
48163	4.260	<5	2	0.43	98	239	<0.5	<5
48164	4.185	<5	<2	0.50	9	150	<0.5	<5
48165	4.155	<5	3	0.55	101	64	<0.5	<5
48166	4.205	<5	3	0.50	672	44	<0.5	<5
48167	4.115	<5	<2	0.44	9	149	<0.5	<5
48168	4.120	<5	2	0.48	32	63	<0.5	<5
48169	4.220	6	3	0.51	270	135	<0.5	<5
48170	4.075	<5	2	0.44	41	137	<0.5	<5
48171	3.930	<5	<2	0.50	17	309	<0.5	<5
48172	4.255	8	4	0.47	307	141	<0.5	<5
48173	4.135	<5	<2	0.47	32	104	<0.5	<5
48174	4.100	<5	<2	0.49	23	143	<0.5	<5
48175	4.055	<5	<2	0.49	81	88	<0.5	<5
48176	3.975	<5	<2	0.33	54	116	<0.5	<5
48177	4.415	138	5	0.38	2690	134	<0.5	<5
48178	2.355	7	3	0.47	144	194	<0.5	<5
48179	4.055	<5	<2	0.51	25	118	<0.5	<5
48180	4.165	<5	2	0.43	68	72	<0.5	<5
48181	3.875	8	4	0.42	196	35	<0.5	<5
48182	4.000	19	6	0.41	621	35	<0.5	<5
48183	4.120	201	67	0.47	>10000	43	<0.5	172
48184	4.110	239	60	0.42	>10000	41	<0.5	178
48300	4.355	8	<2	0.56	56	503	0.6	<5
48301	4.095	8	<2	0.43	58	105	<0.5	<5
48302	4.615	6	<2	0.53	41	643	<0.5	<5
48303	3.835	<5	<2	0.52	22	378	<0.5	<5
48304	4.040	<5	<2	0.51	18	353	<0.5	<5
48305	3.630	7	<2	0.48	27	329	<0.5	<5

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Element Method	WtKg G_WGH79	Au@ GE_FA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
Det.Lim. Units	0.01 kg	5 ppb	2 ppm	0.01 %	3 ppm	5 ppm	0.5 ppm	5 ppm
48306	4.355	6	<2	0.43	27	162	<0.5	<5
48307	4.405	10	<2	0.50	22	89	<0.5	<5
48308	4.080	8	<2	0.47	29	48	<0.5	<5
48309	4.555	6	<2	0.51	44	57	<0.5	<5
48310	4.185	6	<2	0.50	45	110	<0.5	<5
48311	4.430	7	<2	0.43	72	124	<0.5	<5
48312	4.450	6	<2	0.40	54	226	<0.5	<5
48313	4.380	13	<2	0.40	38	54	<0.5	<5
48314	4.115	9	<2	0.36	68	54	<0.5	<5
48315	4.010	11	<2	0.38	27	184	<0.5	<5
48316	4.270	8	<2	0.46	24	281	<0.5	<5
48317	4.435	11	<2	0.51	33	83	<0.5	<5
48318	4.260	7	<2	0.59	45	745	<0.5	<5
48319	3.880	8	<2	0.64	19	71	<0.5	<5
48320	4.355	8	<2	0.50	28	501	<0.5	<5
48321	4.500	9	<2	0.56	22	72	<0.5	<5
48322	4.365	10	<2	0.50	21	132	<0.5	<5
48323	3.105	12	<2	0.53	23	986	<0.5	<5
48324	4.585	10	<2	0.42	29	248	<0.5	<5
48325	4.280	19	<2	0.46	58	123	<0.5	<5
48326	4.385	6	<2	0.67	21	184	<0.5	<5
48327	4.470	<5	<2	0.58	14	116	<0.5	<5
48328	4.335	7	<2	0.61	21	192	<0.5	<5
48329	4.135	22	5	0.41	143	92	<0.5	<5
48330	4.495	62	6	0.54	95	68	0.5	<5
48331	3.670	47	5	0.43	260	335	<0.5	<5
48332	3.985	9	4	0.57	44	199	<0.5	<5
48333	4.300	<5	2	0.82	30	84	<0.5	<5
48334	4.040	<5	2	0.75	45	92	<0.5	<5
48335	4.115	11	3	0.43	87	115	<0.5	<5
48336	4.320	9	<2	0.63	40	103	<0.5	<5
48337	4.210	13	2	0.60	116	89	<0.5	<5
48338	4.475	190	7	0.61	2910	115	<0.5	<5
48339	4.450	<5	2	0.72	31	92	<0.5	<5
48340	4.150	7	6	0.58	62	92	<0.5	<5
48341	4.370	15	3	0.60	113	79	<0.5	<5
48342	4.075	36	3	0.56	398	85	<0.5	<5
48343	4.290	35	3	0.56	389	91	<0.5	<5
48344	4.160	<5	<2	0.56	34	85	<0.5	<5
48345	4.400	6	2	0.64	58	101	<0.5	<5

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Element Method	WtKg G_WGH79	Au@ GE_FAAC13	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
Det.Lim. Units	0.01 kg	5 ppb	2 ppm	0.01 %	3 ppm	5 ppm	0.5 ppm	5 ppm
48346	4.225	<5	<2	0.54	14	78	<0.5	<5
48347	4.230	<5	<2	0.56	21	371	<0.5	<5
48348	4.500	7	2	0.73	89	156	0.7	<5
48349	4.425	<5	3	0.66	13	168	0.9	<5
48350	4.535	<5	<2	0.76	26	152	0.7	<5
48351	4.085	6	4	0.77	87	128	<0.5	<5
48352	4.495	<5	<2	0.79	26	369	0.5	<5
48353	4.970	19	4	0.64	351	148	<0.5	<5
48354	4.665	6	2	0.70	97	152	<0.5	<5
48355	4.265	6	<2	0.72	54	159	<0.5	<5
48356	4.395	29	4	0.74	193	139	<0.5	<5
48357	4.620	<5	<2	0.82	23	123	<0.5	<5
48358	4.295	<5	<2	0.78	17	120	<0.5	<5
48359	4.380	<5	2	0.76	22	139	<0.5	<5

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Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
48151	0.28	4	3	4	26.3	4.75	<1	0.34
48152	0.24	7	4	6	7.5	4.54	<1	0.27
48153	0.22	5	3	5	5.2	4.24	<1	0.28
48154	0.26	4	15	4	35.0	5.68	<1	0.28
48155	0.19	4	5	6	4.8	3.85	<1	0.26
48156	0.20	5	4	7	10.2	4.57	<1	0.24
48157	0.22	3	3	6	8.9	4.58	<1	0.25
48158	0.21	1	21	6	21.2	5.10	<1	0.26
48159	0.21	4	4	7	8.9	4.42	<1	0.28
48160	0.20	2	5	6	13.6	4.68	<1	0.29
48161	0.21	2	2	5	14.4	4.93	<1	0.28
48162	0.21	1	13	4	26.6	6.06	<1	0.30
48163	0.22	3	3	6	12.6	5.02	<1	0.25
48164	0.23	3	3	6	14.3	5.56	<1	0.27
48165	0.21	1	4	5	17.4	5.19	<1	0.32
48166	0.25	2	15	6	16.5	5.62	<1	0.31
48167	0.26	1	3	5	12.0	5.42	<1	0.26
48168	0.23	1	5	6	13.3	5.15	<1	0.28
48169	0.23	3	7	5	20.1	5.65	<1	0.31
48170	0.22	3	6	5	15.1	5.06	<1	0.27
48171	0.19	2	2	5	4.2	4.36	<1	0.31
48172	0.17	2	10	6	9.0	4.31	<1	0.28
48173	0.18	2	2	4	6.0	4.28	<1	0.32
48174	0.18	1	2	6	6.5	5.41	<1	0.30
48175	0.17	2	3	5	14.0	5.17	<1	0.31
48176	0.14	2	<1	3	21.1	3.58	<1	0.24
48177	0.16	13	4	3	39.2	4.31	<1	0.30
48178	0.23	4	3	3	33.4	5.22	<1	0.31
48179	0.23	2	<1	5	13.2	5.35	<1	0.30
48180	0.17	2	<1	4	13.5	3.79	<1	0.32
48181	0.15	<1	<1	3	30.7	3.34	<1	0.37
48182	0.16	2	3	3	43.8	3.89	<1	0.34
48183	0.09	<1	88	2	102	6.42	<1	0.35
48184	0.15	11	91	3	100	6.75	<1	0.34
48300	0.31	1	10	4	25.0	3.90	<1	0.32
48301	0.24	<1	6	2	4.5	2.06	<1	0.36
48302	0.26	<1	6	2	19.0	2.10	<1	0.38
48303	0.45	<1	6	2	13.5	2.10	<1	0.33
48304	1.20	<1	6	3	9.3	2.07	<1	0.31
48305	0.64	<1	6	2	9.6	2.20	<1	0.36

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	Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
	Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
48306		1.64	<1	5	3	8.6	2.16	<1	0.37
48307		1.39	<1	6	2	7.0	2.44	<1	0.33
48308		2.16	<1	7	2	11.3	2.50	<1	0.29
48309		2.40	<1	7	2	16.0	2.31	<1	0.30
48310		2.34	<1	7	2	11.4	2.40	<1	0.31
48311		2.29	<1	7	2	13.8	2.58	<1	0.30
48312		1.73	<1	6	3	11.2	2.20	<1	0.32
48313		1.68	<1	6	2	2.9	2.10	<1	0.32
48314		2.22	<1	6	2	3.8	2.22	<1	0.34
48315		2.18	<1	5	2	2.0	2.24	<1	0.36
48316		1.98	<1	6	3	2.1	2.25	<1	0.39
48317		1.92	<1	7	3	3.9	2.29	<1	0.38
48318		1.06	<1	6	3	3.2	2.28	<1	0.32
48319		1.09	<1	7	3	3.1	2.42	<1	0.34
48320		1.55	<1	6	3	3.7	2.42	<1	0.36
48321		1.01	<1	7	3	4.4	2.26	<1	0.35
48322		0.61	<1	7	4	6.0	2.74	<1	0.34
48323		0.39	<1	7	4	12.0	2.93	<1	0.36
48324		0.65	1	13	5	26.8	2.78	<1	0.35
48325		1.28	<1	20	4	3.7	2.94	<1	0.37
48326		1.64	<1	6	4	5.9	2.16	<1	0.43
48327		1.34	<1	6	4	3.2	2.17	<1	0.39
48328		1.13	<1	6	4	11.7	2.58	<1	0.40
48329		0.79	5	6	3	32.4	3.15	<1	0.33
48330		0.39	7	3	3	57.2	3.12	<1	0.42
48331		0.36	7	4	2	35.2	3.53	<1	0.35
48332		0.44	6	8	4	40.2	4.42	<1	0.43
48333		0.44	3	6	10	23.1	5.91	<1	0.33
48334		0.57	4	8	9	25.1	5.13	<1	0.34
48335		0.69	4	9	6	34.2	4.67	<1	0.25
48336		0.46	1	4	5	19.5	3.96	<1	0.38
48337		0.40	3	5	4	31.8	4.71	<1	0.41
48338		0.31	8	6	4	31.0	5.06	<1	0.40
48339		0.34	1	3	4	26.2	3.89	<1	0.39
48340		0.34	28	5	4	141	4.25	<1	0.39
48341		0.26	7	4	4	69.3	3.18	<1	0.38
48342		0.33	2	5	3	21.9	3.98	<1	0.40
48343		0.51	4	17	3	64.1	3.76	<1	0.37
48344		0.57	3	5	3	22.5	3.14	<1	0.40
48345		0.28	4	6	4	22.4	4.06	<1	0.39

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	Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
	Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
48346		0.17	2	4	3	19.3	2.59	<1	0.36
48347		0.18	3	4	4	17.4	2.86	<1	0.34
48348		0.44	4	8	7	27.4	4.76	<1	0.37
48349		0.46	2	10	6	36.1	5.43	<1	0.36
48350		0.91	1	7	8	20.7	4.80	<1	0.42
48351		0.82	2	11	10	19.8	5.21	<1	0.36
48352		0.77	2	6	11	9.1	4.84	<1	0.33
48353		0.64	1	15	9	25.4	5.97	<1	0.38
48354		0.70	3	18	9	50.6	5.26	<1	0.39
48355		0.39	1	8	10	17.3	5.04	<1	0.36
48356		0.38	2	4	9	23.5	5.16	<1	0.42
48357		0.80	2	6	11	8.6	4.65	<1	0.37
48358		0.83	1	4	10	9.2	4.67	<1	0.37
48359		0.72	2	4	7	17.0	4.77	<1	0.41

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	Element Method Det.Lim. Units	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
48151		4.7	2	0.41	4750	2	0.01	7	0.06
48152		5.0	2	0.40	5470	1	<0.01	8	0.05
48153		4.1	2	0.41	5150	5	<0.01	7	0.06
48154		3.6	2	0.45	5520	2	<0.01	8	0.05
48155		4.6	2	0.42	4780	2	<0.01	8	0.06
48156		4.5	2	0.48	5290	3	<0.01	7	0.06
48157		3.3	3	0.49	4640	2	<0.01	8	0.06
48158		3.6	2	0.47	4160	2	<0.01	8	0.06
48159		4.0	4	0.46	4640	2	<0.01	8	0.06
48160		3.8	3	0.42	4920	3	<0.01	11	0.06
48161		4.1	3	0.39	5900	6	<0.01	7	0.06
48162		4.3	2	0.44	5560	1	<0.01	7	0.06
48163		3.9	2	0.53	4000	4	<0.01	8	0.06
48164		3.5	3	0.59	4160	3	<0.01	8	0.06
48165		2.9	3	0.51	4260	2	<0.01	7	0.05
48166		4.0	2	0.56	4080	2	<0.01	8	0.06
48167		4.0	2	0.57	4250	2	<0.01	8	0.06
48168		4.2	3	0.50	4440	2	<0.01	9	0.06
48169		3.7	3	0.45	4860	3	<0.01	9	0.07
48170		4.5	3	0.48	4680	2	<0.01	9	0.07
48171		4.7	2	0.44	3950	2	<0.01	6	0.06
48172		3.4	2	0.39	3720	2	<0.01	11	0.06
48173		3.2	2	0.39	3830	<1	<0.01	6	0.06
48174		3.7	3	0.47	4600	1	0.01	8	0.05
48175		3.6	2	0.43	4880	8	<0.01	9	0.04
48176		2.6	1	0.23	3920	5	<0.01	5	0.03
48177		5.9	1	0.22	4760	2	<0.01	4	0.02
48178		3.0	2	0.38	5510	2	<0.01	10	0.03
48179		3.3	3	0.48	6040	2	<0.01	5	0.04
48180		3.9	2	0.28	4650	8	<0.01	4	0.03
48181		7.0	<1	0.13	3690	2	0.01	2	0.01
48182		5.7	<1	0.12	3710	2	0.01	2	0.01
48183		5.3	<1	0.09	1720	1	0.01	<1	<0.01
48184		5.8	<1	0.14	3210	2	0.01	1	0.01
48300		11.1	2	0.33	4960	3	0.01	9	0.08
48301		13.1	<1	0.20	2940	2	<0.01	5	0.07
48302		12.1	2	0.19	2870	2	<0.01	4	0.07
48303		11.0	3	0.23	1860	3	<0.01	4	0.07
48304		11.0	4	0.38	1670	2	<0.01	4	0.07
48305		11.4	2	0.26	2390	2	<0.01	4	0.07

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	Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
48306		9.9	2	0.45	2670	2	<0.01	4	0.08
48307		7.2	3	0.42	2010	2	0.01	3	0.08
48308		4.7	4	0.56	1830	2	0.01	3	0.08
48309		4.9	4	0.59	1740	2	0.01	4	0.07
48310		7.5	4	0.63	1500	2	0.01	3	0.08
48311		5.3	3	0.64	2280	2	<0.01	3	0.07
48312		4.5	2	0.47	3160	2	0.01	5	0.07
48313		4.5	3	0.44	3390	2	0.01	4	0.07
48314		4.0	1	0.47	4680	<1	0.01	4	0.07
48315		3.5	1	0.45	5240	<1	0.01	3	0.07
48316		3.4	2	0.43	4820	2	0.01	3	0.06
48317		5.4	3	0.42	4650	3	0.01	5	0.07
48318		3.3	6	0.33	2800	2	0.01	4	0.06
48319		3.6	6	0.35	3350	2	0.01	3	0.06
48320		3.7	4	0.38	5150	3	0.01	4	0.05
48321		3.0	5	0.29	3500	2	0.01	4	0.06
48322		3.5	4	0.32	4640	1	0.01	4	0.06
48323		4.4	5	0.29	4470	2	0.01	4	0.07
48324		3.9	3	0.32	5070	5	0.01	5	0.04
48325		4.5	3	0.33	5240	3	0.01	4	0.04
48326		6.0	5	0.41	4470	3	0.02	4	0.06
48327		4.3	4	0.37	4370	3	0.01	4	0.05
48328		5.3	5	0.38	5790	3	0.01	5	0.05
48329		11.4	1	0.44	>10000	2	0.01	6	0.05
48330		10.4	<1	0.27	4820	3	0.01	5	0.03
48331		6.3	1	0.27	4280	2	0.01	6	0.05
48332		6.0	1	0.34	5040	3	0.01	11	0.06
48333		5.3	10	0.52	8000	1	0.01	10	0.08
48334		4.4	8	0.47	5630	3	0.01	11	0.08
48335		3.5	3	0.45	6400	1	0.01	10	0.08
48336		7.5	3	0.38	4440	3	0.01	8	0.06
48337		7.4	2	0.36	4750	2	0.01	7	0.05
48338		7.7	1	0.28	9200	3	0.01	6	0.06
48339		6.8	3	0.30	5790	3	0.01	7	0.08
48340		8.2	2	0.39	8200	3	0.01	5	0.05
48341		8.2	2	0.28	5710	3	0.01	6	0.03
48342		8.5	1	0.36	9180	3	0.01	6	0.04
48343		7.2	2	0.36	7920	2	0.01	7	0.04
48344		8.8	1	0.30	4830	3	0.01	3	0.03
48345		7.7	3	0.34	6020	3	0.01	7	0.05

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Element Method Det.Lim. Units	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
48346	8.9	1	0.20	3750	3	0.01	3	0.03
48347	8.3	2	0.19	3890	4	0.01	4	0.04
48348	8.2	6	0.50	5560	4	0.01	11	0.09
48349	8.5	4	0.47	3210	4	0.02	14	0.10
48350	6.7	5	0.63	4000	3	0.02	11	0.09
48351	6.1	9	0.69	4130	2	0.01	11	0.08
48352	8.3	12	0.82	4670	2	0.01	12	0.09
48353	6.1	5	0.74	5460	3	0.01	13	0.09
48354	7.4	8	0.66	6290	3	0.01	14	0.09
48355	8.3	10	0.59	6970	2	0.01	10	0.09
48356	9.5	7	0.61	7600	3	0.01	10	0.09
48357	10.3	9	0.72	6060	3	0.01	12	0.09
48358	8.9	10	0.76	5830	3	0.01	11	0.09
48359	7.3	6	0.65	5660	5	0.01	10	0.08

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Element Method Det.Lim. Units	Pb@ GE_ICP14B 2 ppm	S@ GE_ICP14B 0.01 %	Sb@ GE_ICP14B 5 ppm	Sc@ GE_ICP14B 0.5 ppm	Sn@ GE_ICP14B 10 ppm	Sr@ GE_ICP14B 5 ppm	Ti@ GE_ICP14B 0.01 %	V@ GE_ICP14B 1 ppm
48151	214	0.76	6	1.0	<10	68	<0.01	12
48152	221	0.64	<5	1.2	<10	38	<0.01	17
48153	228	0.55	<5	1.2	<10	31	<0.01	16
48154	213	1.90	6	1.1	<10	23	<0.01	13
48155	222	0.10	<5	1.6	<10	21	<0.01	19
48156	131	0.11	<5	1.7	<10	21	<0.01	22
48157	109	0.10	<5	1.4	<10	22	<0.01	20
48158	81	0.84	8	1.3	<10	24	<0.01	19
48159	76	0.17	8	1.5	<10	22	<0.01	22
48160	142	0.45	20	1.2	<10	26	<0.01	17
48161	105	0.38	12	1.2	<10	26	<0.01	16
48162	81	1.25	<5	1.0	<10	30	<0.01	15
48163	101	0.28	6	1.2	<10	32	<0.01	18
48164	115	0.36	7	1.4	<10	35	<0.01	21
48165	172	0.48	7	1.4	<10	41	<0.01	18
48166	85	0.48	9	1.5	<10	34	<0.01	18
48167	74	0.31	7	1.3	<10	37	<0.01	16
48168	136	0.60	8	1.4	<10	35	<0.01	17
48169	269	1.21	14	1.3	<10	34	<0.01	15
48170	224	0.66	27	1.4	<10	30	<0.01	16
48171	129	0.30	<5	1.6	<10	30	<0.01	17
48172	270	0.84	5	1.2	<10	30	<0.01	14
48173	113	0.46	7	1.1	<10	33	<0.01	12
48174	77	0.39	7	1.6	<10	42	<0.01	17
48175	102	0.55	17	1.8	<10	47	<0.01	18
48176	163	0.93	33	0.8	<10	43	<0.01	8
48177	664	1.95	50	<0.5	<10	30	<0.01	6
48178	257	1.50	21	1.0	<10	64	<0.01	10
48179	121	0.16	7	1.8	<10	61	<0.01	16
48180	226	0.87	15	0.9	<10	42	<0.01	9
48181	206	1.39	11	<0.5	<10	14	<0.01	3
48182	320	2.04	25	<0.5	<10	15	<0.01	3
48183	810	4.94	74	<0.5	<10	11	<0.01	5
48184	751	>5.00	87	<0.5	<10	12	<0.01	5
48300	135	0.48	10	2.7	<10	44	<0.01	24
48301	13	0.45	5	1.4	<10	31	<0.01	10
48302	279	0.46	12	1.8	<10	41	<0.01	11
48303	6	0.25	<5	2.4	<10	33	<0.01	15
48304	7	0.27	<5	2.5	<10	50	<0.01	18
48305	14	0.42	<5	2.4	<10	47	<0.01	12

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Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
Det.Lim. Units	*	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %
48306		15	0.50	<5	2.7	<10	63	<0.01
48307		9	0.47	<5	2.4	<10	62	<0.01
48308		10	0.53	<5	2.6	<10	69	<0.01
48309		10	0.50	6	3.0	<10	70	<0.01
48310		10	0.54	<5	2.5	<10	84	<0.01
48311		9	0.48	<5	2.4	<10	72	<0.01
48312		8	0.42	<5	2.5	<10	72	<0.01
48313		8	0.37	<5	2.4	<10	64	<0.01
48314		11	0.58	<5	2.6	<10	66	<0.01
48315		8	0.50	<5	2.2	<10	73	<0.01
48316		8	0.48	<5	2.3	<10	73	<0.01
48317		8	0.50	<5	2.6	<10	67	<0.01
48318		14	0.61	6	2.7	<10	76	<0.01
48319		11	0.49	<5	2.9	<10	70	<0.01
48320		9	0.52	<5	2.8	<10	78	<0.01
48321		10	0.76	<5	2.6	<10	71	<0.01
48322		14	0.53	<5	3.7	<10	64	<0.01
48323		46	0.62	6	4.3	<10	62	<0.01
48324		121	0.73	<5	3.9	<10	61	<0.01
48325		33	1.26	<5	3.0	<10	62	<0.01
48326		39	0.47	<5	2.7	<10	75	<0.01
48327		41	0.46	<5	2.9	<10	82	<0.01
48328		90	0.46	<5	2.9	<10	77	<0.01
48329		501	0.45	28	0.8	<10	39	<0.01
48330		697	1.03	12	<0.5	<10	31	<0.01
48331		524	1.36	21	<0.5	<10	31	<0.01
48332		321	1.66	9	0.9	<10	35	<0.01
48333		173	0.43	10	2.6	<10	46	<0.01
48334		176	0.81	14	2.3	<10	54	<0.01
48335		238	0.88	10	1.8	<10	52	<0.01
48336		151	0.90	7	0.8	<10	45	<0.01
48337		295	1.71	30	0.6	<10	44	<0.01
48338		1310	2.95	79	<0.5	<10	48	<0.01
48339		227	1.13	46	0.8	<10	58	<0.01
48340		998	0.98	32	0.7	<10	44	<0.01
48341		555	1.19	14	<0.5	<10	37	<0.01
48342		398	1.33	25	0.6	<10	43	<0.01
48343		365	1.59	38	<0.5	<10	46	<0.01
48344		176	1.12	37	<0.5	<10	39	<0.01
48345		203	1.04	48	0.8	<10	51	<0.01

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Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
Det.Lim. Units	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
48346	116	0.63	29	<0.5	<10	38	<0.01	5
48347	162	0.65	26	0.6	<10	42	<0.01	9
48348	236	0.49	11	2.1	<10	103	<0.01	29
48349	180	1.94	9	1.6	<10	85	<0.01	22
48350	123	0.90	<5	2.3	<10	64	<0.01	32
48351	148	1.01	<5	2.6	<10	51	<0.01	41
48352	46	0.33	<5	2.7	<10	47	<0.01	44
48353	149	1.47	8	2.4	<10	44	<0.01	36
48354	146	1.10	6	2.5	<10	42	<0.01	37
48355	67	0.79	9	2.6	<10	37	<0.01	38
48356	499	1.12	21	2.4	<10	37	<0.01	35
48357	97	0.44	<5	3.0	<10	42	<0.01	42
48358	76	0.35	<5	2.9	<10	44	<0.01	41
48359	181	0.73	6	2.1	<10	41	<0.01	30

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Element	W@	Y@	Zn@	Zr@	As
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GO_ICP90Q
Det.Lim.	10	0.5	1	0.5	0.01
Units	ppm	ppm	ppm	ppm	%
48151	<10	3.8	905	5.0	N.A.
48152	<10	3.8	1750	3.7	N.A.
48153	<10	3.8	1260	3.7	N.A.
48154	<10	3.8	1020	3.7	N.A.
48155	<10	3.4	1140	3.8	N.A.
48156	<10	3.7	1270	5.3	N.A.
48157	<10	3.8	897	5.3	N.A.
48158	<10	4.0	434	5.3	N.A.
48159	<10	3.9	1110	5.5	N.A.
48160	<10	4.0	700	5.5	N.A.
48161	<10	3.9	801	5.3	N.A.
48162	<10	3.9	438	4.2	N.A.
48163	<10	3.9	897	5.5	N.A.
48164	<10	3.9	882	5.4	N.A.
48165	<10	3.7	342	5.3	N.A.
48166	<10	3.7	463	5.0	N.A.
48167	<10	3.8	359	5.1	N.A.
48168	<10	3.6	444	5.4	N.A.
48169	<10	3.7	734	5.7	N.A.
48170	<10	3.8	735	5.6	N.A.
48171	<10	3.7	677	4.5	N.A.
48172	<10	3.4	600	4.3	N.A.
48173	<10	3.8	731	4.3	N.A.
48174	<10	3.9	452	4.9	N.A.
48175	<10	3.7	623	5.7	N.A.
48176	<10	2.6	575	5.0	N.A.
48177	<10	2.3	3510	7.6	N.A.
48178	<10	3.5	1090	6.6	N.A.
48179	<10	3.3	574	5.7	N.A.
48180	<10	2.4	646	4.8	N.A.
48181	<10	1.8	281	6.5	N.A.
48182	<10	2.0	435	6.5	N.A.
48183	<10	1.4	56	5.9	1.34
48184	<10	1.6	2570	5.3	1.36
48300	<10	5.7	456	8.1	N.A.
48301	<10	5.3	138	8.7	N.A.
48302	<10	5.5	185	8.9	N.A.
48303	<10	5.7	127	10.2	N.A.
48304	<10	6.9	84	10.5	N.A.
48305	<10	6.3	156	10.4	N.A.

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	Element Method	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B	As GO_ICP90Q
	Det.Lim. Units	10 ppm	0.5 ppm	1 ppm	0.5 ppm	0.01 %
48306		<10	8.4	56	7.6	N.A.
48307		<10	8.6	55	10.7	N.A.
48308		<10	9.6	44	10.2	N.A.
48309		<10	9.4	52	10.2	N.A.
48310		<10	9.5	53	7.4	N.A.
48311		<10	9.7	52	10.5	N.A.
48312		<10	8.4	47	10.5	N.A.
48313		<10	8.5	36	10.3	N.A.
48314		<10	9.1	53	9.3	N.A.
48315		<10	10.2	46	9.9	N.A.
48316		<10	9.1	41	9.8	N.A.
48317		<10	9.2	52	9.1	N.A.
48318		<10	8.0	62	9.2	N.A.
48319		<10	8.3	81	8.9	N.A.
48320		<10	9.0	49	9.3	N.A.
48321		<10	9.6	46	9.5	N.A.
48322		<10	8.4	45	9.2	N.A.
48323		<10	7.9	91	10.1	N.A.
48324		<10	6.8	292	8.7	N.A.
48325		<10	6.4	65	8.8	N.A.
48326		<10	6.7	168	7.6	N.A.
48327		<10	5.4	52	6.4	N.A.
48328		<10	4.5	145	5.2	N.A.
48329		<10	3.1	1430	5.1	N.A.
48330		<10	2.4	1770	6.8	N.A.
48331		<10	2.5	1810	5.3	N.A.
48332		<10	3.3	1490	5.0	N.A.
48333		<10	4.2	781	6.9	N.A.
48334		<10	4.2	906	6.2	N.A.
48335		<10	4.0	1030	5.0	N.A.
48336		<10	3.0	329	4.3	N.A.
48337		<10	2.8	860	4.8	N.A.
48338		<10	3.5	2240	6.1	N.A.
48339		<10	3.4	371	5.8	N.A.
48340		<10	2.9	6130	5.0	N.A.
48341		<10	2.4	1800	5.9	N.A.
48342		<10	2.8	566	5.2	N.A.
48343		<10	2.8	1020	5.3	N.A.
48344		<10	2.6	919	5.6	N.A.
48345		<10	2.7	1010	4.9	N.A.

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Final : VC141955 Order: Batch#2 48151 to 48184, 48300 to 483

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Report File No.: 0000007816

Element	W@	Y@	Zn@	Zr@	As
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GO_ICP90Q
Det.Lim.	10	0.5	1	0.5	0.01
Units	ppm	ppm	ppm	ppm	%
48346	<10	2.7	592	5.9	N.A.
48347	<10	3.1	848	6.0	N.A.
48348	<10	5.0	1160	6.1	N.A.
48349	<10	4.2	408	6.6	N.A.
48350	<10	4.4	352	6.7	N.A.
48351	<10	4.2	543	7.7	N.A.
48352	<10	4.4	401	7.2	N.A.
48353	<10	4.0	263	7.6	N.A.
48354	<10	4.3	646	7.5	N.A.
48355	<10	4.4	337	7.2	N.A.
48356	<10	4.4	640	6.9	N.A.
48357	<10	4.7	467	7.1	N.A.
48358	<10	4.5	286	6.8	N.A.
48359	<10	3.5	418	6.4	N.A.

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## Certificate of Analysis

Work Order : VC142093  
[Report File No.: 0000007956]

To: Peter Holbek  
**COPPER MOUNTAIN MINE (BC) LTD**  
1700-700 WEST PENDER STREET  
VANCOUVER BC V6C 1G8

Date: Jul 22, 2014

P.O. No. : Batch#3 48360-48468, 48783-48792  
Project No. : FENTON PROJECT  
No. Of Samples : 129  
Date Submitted : Jun 30, 2014  
Report Comprises : Pages 1 to 21  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files:

Certified By :



Cam Chiang  
Assistant Operations Manager

**SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>**

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable - = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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	Element Method	WtKg	Au@ GE_FAAS13	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
	Det.Lim. Units	G_WGH79 0.01 kg	ppb	ppm	%	ppm	ppm	ppm	ppm
48360		4.355	20	3	0.68	87	150	<0.5	<5
48361		4.190	12	2	0.50	56	93	<0.5	<5
48362		4.130	19	3	0.32	120	162	<0.5	<5
48363		4.295	9	3	0.40	39	109	<0.5	<5
48364		4.085	66	5	0.42	1040	59	<0.5	<5
48365		4.535	103	7	0.42	1320	64	<0.5	6
48366		4.360	64	8	0.36	208	87	<0.5	<5
48367		4.325	79	4	0.62	127	121	<0.5	<5
48368		4.515	85	5	0.53	211	116	<0.5	<5
48369		4.430	87	7	0.47	577	199	<0.5	<5
48370		4.300	54	<2	0.45	116	252	<0.5	<5
48371		3.930	19	<2	0.57	24	167	<0.5	<5
48372		4.720	23	<2	0.58	25	524	<0.5	<5
48373		4.530	22	<2	0.66	29	544	<0.5	<5
48374		4.530	18	<2	0.56	26	283	<0.5	<5
48375		4.465	21	<2	0.39	24	237	<0.5	<5
48376		4.200	19	<2	0.68	29	414	<0.5	<5
48377		4.565	13	<2	0.68	23	465	<0.5	<5
48378		4.470	32	<2	0.50	29	239	<0.5	<5
48379		4.270	14	<2	0.50	15	173	<0.5	<5
48380		4.495	10	<2	0.44	9	202	<0.5	<5
48381		4.310	52	3	0.47	517	137	<0.5	<5
48382		4.105	151	12	0.40	2120	102	<0.5	25
48383		3.985	9	<2	0.48	45	136	<0.5	<5
48384		4.165	11	<2	0.40	77	229	<0.5	<5
48385		4.165	12	<2	0.39	167	133	<0.5	<5
48386		4.380	17	<2	0.73	77	139	0.6	<5
48387		4.270	12	<2	0.41	178	115	0.5	<5
48388		4.205	12	<2	0.40	80	168	0.5	<5
48389		4.200	33	3	0.45	171	143	<0.5	<5
48390		4.460	16	3	0.52	54	187	<0.5	<5
48391		4.060	36	4	0.47	63	152	0.5	<5
48392		3.780	59	<2	0.44	439	230	<0.5	<5
48393		4.110	56	2	0.47	267	283	<0.5	<5
48394		4.140	135	3	0.41	976	126	<0.5	<5
48395		4.205	56	2	0.44	50	119	<0.5	<5
48396		4.395	96	4	0.46	175	114	<0.5	<5
48397		4.490	70	3	0.57	853	121	<0.5	<5
48398		4.215	66	3	0.56	893	122	<0.5	<5
48399		4.405	150	5	0.50	765	174	<0.5	<5

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Element Method	WtKg	Au@ GE_FAAS13	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B	
Det.Lim. Units	G_WGH79	0.01 kg	5 ppb	2 ppm	0.01 %	3 ppm	5 ppm	0.5 ppm	5 ppm
48400		4.385	19	2	0.58	60	197	<0.5	<5
48401		4.335	18	2	0.52	325	129	<0.5	<5
48402		4.585	18	2	0.56	149	222	<0.5	<5
48403		4.215	13	2	0.57	87	132	<0.5	<5
48404		4.155	12	2	0.55	140	130	<0.5	<5
48405		4.315	8	2	0.55	53	139	<0.5	<5
48406		4.420	6	<2	0.57	54	149	<0.5	<5
48407		4.255	6	<2	0.58	65	134	<0.5	<5
48408		4.295	5	<2	0.54	38	126	<0.5	<5
48409		4.120	11	2	0.59	73	134	<0.5	<5
48410		4.055	13	5	0.61	234	199	<0.5	<5
48411		4.085	9	3	0.58	108	176	<0.5	<5
48412		4.130	25	3	0.63	333	172	<0.5	<5
48413		4.245	<5	2	0.59	20	202	<0.5	<5
48414		4.445	13	2	0.58	75	125	<0.5	<5
48415		4.055	68	3	0.59	1120	211	<0.5	<5
48416		4.440	12	3	0.62	248	176	<0.5	<5
48417		4.415	24	4	0.51	348	134	<0.5	<5
48418		4.440	197	11	0.58	2740	132	<0.5	21
48419		4.455	13	<2	0.58	489	138	<0.5	<5
48420		4.805	37	3	0.65	194	142	<0.5	<5
48421		3.930	187	5	0.57	499	87	<0.5	10
48422		4.340	602	30	0.65	8450	129	<0.5	69
48423		4.190	142	7	0.56	1690	121	<0.5	6
48424		4.085	43	3	0.75	940	153	<0.5	<5
48425		4.295	65	5	0.60	1180	141	<0.5	<5
48426		3.860	154	4	0.64	2210	153	<0.5	<5
48427		4.525	613	11	0.60	5830	132	<0.5	<5
48428		4.145	200	5	0.55	2420	143	<0.5	<5
48429		4.395	205	6	0.59	1670	129	<0.5	6
48430		4.095	418	18	0.63	5310	102	<0.5	27
48431		4.475	132	5	0.64	2410	162	<0.5	<5
48432		4.445	115	6	0.57	725	146	<0.5	<5
48433		4.260	37	3	0.60	379	216	<0.5	<5
48434		4.255	178	9	0.55	926	202	<0.5	13
48435		4.075	45	5	0.64	643	146	<0.5	<5
48436		4.110	70	4	0.52	473	131	<0.5	<5
48437		4.240	102	4	0.59	160	134	<0.5	<5
48438		4.475	115	4	0.56	253	130	<0.5	<5
48439		4.325	114	3	0.56	232	129	<0.5	<5

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Element Method	WtKg	Au@ GE_FA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
Det.Lim. Units	G_WGH79	0.01 kg	5 ppb	2 ppm	0.01 %	3 ppm	5 ppm	0.5 ppm
48440		4.020	140	3	0.62	171	121	<0.5
48441		4.430	115	3	0.58	651	123	<0.5
48442		4.240	139	5	0.60	263	122	<0.5
48443		4.660	152	4	0.70	614	130	<0.5
48444		4.225	78	4	0.49	1750	118	<0.5
48445		4.495	151	4	0.63	2050	124	<0.5
48446		4.430	199	5	0.58	1310	111	<0.5
48447		4.430	427	11	0.60	1760	114	<0.5
48448		4.310	106	5	0.54	2060	121	<0.5
48449		4.040	96	4	0.52	242	113	<0.5
48450		4.380	93	5	0.58	285	111	<0.5
48451		4.015	140	6	0.53	1220	102	<0.5
48452		4.050	246	10	0.56	377	118	<0.5
48453		4.395	353	8	0.60	1110	131	<0.5
48454		4.260	287	6	0.57	600	131	<0.5
48455		4.295	271	6	0.64	345	131	<0.5
48456		4.455	229	5	0.54	65	93	<0.5
48457		4.410	184	<2	0.57	26	89	<0.5
48458		4.065	441	3	0.50	30	80	<0.5
48459		4.275	192	<2	0.53	29	77	<0.5
48460		4.385	98	<2	0.45	6	80	<0.5
48461		4.220	827	38	0.57	2110	78	<0.5
48462		4.495	744	8	0.41	2580	79	<0.5
48463		4.325	62	2	0.47	158	100	<0.5
48464		5.530	54	3	0.42	116	89	<0.5
48465		5.385	96	2	0.51	12	88	<0.5
48466		4.185	35	2	0.42	9	81	<0.5
48467		4.300	158	2	0.48	46	86	<0.5
48468		4.200	22	3	0.46	19	101	<0.5
48783		4.295	21	8	0.55	12	100	<0.5
48784		4.235	22	6	0.57	103	94	<0.5
48785		4.515	21	7	0.46	257	77	<0.5
48786		3.430	46	18	0.48	682	75	<0.5
48787		3.580	145	42	0.43	995	78	<0.5
48788		4.440	184	25	0.46	405	67	<0.5
48789		4.945	107	15	0.49	486	59	<0.5
48790		4.350	41	5	0.55	66	63	<0.5
48791		4.510	71	8	0.50	43	58	<0.5
48792		4.260	12	13	0.56	54	68	<0.5
48798		4.050	99	9	0.58	2400	199	<0.5

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Final : VC142093 Order: Batch#3 48360-48468, 48783-48792

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Report File No.: 0000007956

Element Method	WtKg	Au@ GE_FAAS13	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
Det.Lim. Units	G_WGH79	0.01 kg	5 ppb	2 ppm	0.01 %	3 ppm	5 ppm	0.5 ppm
48799		4.500	77	10	0.54	1380	208	<0.5
48800		4.415	50	10	0.55	1150	190	<0.5
2198450		4.355	51	8	0.59	718	110	<0.5
2198451		4.400	28	6	0.48	863	66	<0.5
2198452		4.150	27	6	0.60	177	106	<0.5
2198453		4.235	12	7	0.52	140	103	<0.5
2198454		4.645	130	11	0.54	325	104	<0.5
2198455		4.595	19	7	0.51	104	100	<0.5
2198456		4.045	<5	5	0.62	34	105	<0.5

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	Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
	Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
48360		0.61	1	4	5	20.3	4.34	<1	0.49
48361		0.48	1	2	4	28.6	3.39	<1	0.40
48362		0.37	4	3	4	30.0	2.85	<1	0.27
48363		0.48	3	1	4	21.3	2.51	<1	0.38
48364		0.27	3	2	4	29.0	2.69	<1	0.38
48365		0.18	4	4	4	42.0	2.70	<1	0.37
48366		0.19	20	2	3	75.9	3.36	<1	0.30
48367		0.35	3	3	5	40.1	4.70	<1	0.48
48368		0.35	7	6	4	46.1	4.34	<1	0.42
48369		0.34	5	3	3	97.4	3.71	<1	0.37
48370		0.20	<1	5	3	105	2.61	<1	0.33
48371		1.45	<1	5	3	1.7	2.04	<1	0.37
48372		2.10	<1	5	3	12.1	1.99	<1	0.47
48373		1.54	<1	6	3	9.7	2.35	<1	0.49
48374		2.02	<1	5	3	1.6	1.88	<1	0.47
48375		1.72	<1	5	3	4.3	1.96	<1	0.38
48376		1.75	<1	5	3	2.9	2.01	<1	0.54
48377		1.79	<1	5	3	3.5	2.03	<1	0.50
48378		1.56	<1	6	3	3.7	2.04	<1	0.34
48379		0.22	<1	5	3	2.5	2.11	<1	0.36
48380		0.69	<1	5	3	1.9	2.09	<1	0.32
48381		0.16	4	5	3	27.6	3.07	<1	0.34
48382		0.11	2	4	3	16.5	2.62	<1	0.30
48383		0.12	<1	1	3	18.8	2.87	<1	0.33
48384		0.10	1	2	2	21.3	2.77	<1	0.32
48385		0.10	1	3	4	27.9	2.98	<1	0.32
48386		0.11	1	3	3	24.3	3.00	<1	0.51
48387		0.14	1	6	3	20.4	2.80	<1	0.29
48388		0.14	1	2	3	22.4	3.08	<1	0.30
48389		0.16	2	2	3	26.0	3.50	<1	0.33
48390		0.23	1	<1	3	19.9	3.08	<1	0.35
48391		0.23	<1	1	2	33.8	3.93	<1	0.33
48392		0.13	<1	1	2	35.5	3.49	<1	0.33
48393		0.10	<1	2	3	29.2	3.04	<1	0.34
48394		0.11	1	3	3	20.3	3.33	<1	0.29
48395		0.15	2	1	2	15.9	2.08	<1	0.32
48396		0.27	3	2	3	30.0	3.32	<1	0.33
48397		0.19	2	8	4	29.3	4.54	<1	0.35
48398		0.19	2	6	3	27.7	4.32	<1	0.38
48399		0.22	2	3	3	26.9	4.65	<1	0.33

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	Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
	Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
48400		0.19	1	2	4	24.1	4.20	<1	0.35
48401		0.31	1	6	3	23.6	3.71	<1	0.32
48402		0.35	1	6	5	25.4	4.64	<1	0.34
48403		0.30	2	5	3	22.7	4.12	<1	0.33
48404		0.22	2	8	4	26.6	4.18	<1	0.35
48405		0.23	3	4	4	24.8	4.04	<1	0.32
48406		0.33	2	5	4	24.9	4.31	<1	0.36
48407		0.21	2	5	4	23.1	4.10	<1	0.35
48408		0.21	2	4	4	28.6	4.42	<1	0.33
48409		0.21	2	4	4	28.0	4.27	<1	0.35
48410		0.20	1	4	4	26.4	4.29	<1	0.38
48411		0.21	2	3	4	32.8	4.66	<1	0.34
48412		0.20	<1	3	4	28.5	4.38	<1	0.38
48413		0.19	<1	2	4	26.5	4.14	<1	0.35
48414		0.19	1	3	4	29.5	4.42	<1	0.32
48415		0.18	1	3	4	27.8	4.33	<1	0.36
48416		0.19	3	4	4	39.3	4.54	<1	0.39
48417		0.22	2	3	3	44.1	4.63	<1	0.35
48418		0.17	2	16	4	35.6	5.24	<1	0.38
48419		0.19	2	2	4	48.9	4.64	<1	0.35
48420		0.18	2	1	4	23.0	4.31	<1	0.37
48421		0.43	1	1	3	18.1	6.43	<1	0.38
48422		0.20	5	14	4	71.0	5.93	<1	0.41
48423		0.27	8	1	4	67.7	4.86	<1	0.39
48424		0.21	2	1	4	59.6	4.60	<1	0.40
48425		0.34	5	1	4	84.3	4.28	<1	0.36
48426		0.20	3	4	4	68.8	4.41	<1	0.35
48427		0.21	14	19	3	102	4.90	<1	0.36
48428		0.19	3	9	3	61.4	4.48	<1	0.38
48429		0.17	1	7	3	56.2	5.24	<1	0.39
48430		0.19	42	19	3	153	5.86	<1	0.42
48431		0.22	3	10	3	80.4	4.67	<1	0.41
48432		0.20	<1	6	3	85.7	4.84	<1	0.38
48433		0.23	2	5	4	96.6	5.04	<1	0.38
48434		0.22	2	6	4	73.6	4.46	<1	0.35
48435		0.20	3	9	4	86.1	4.54	1	0.39
48436		0.19	3	9	4	83.0	4.46	<1	0.33
48437		0.18	2	3	4	66.0	4.26	<1	0.38
48438		0.17	2	5	4	58.5	4.07	<1	0.34
48439		0.17	3	4	4	64.8	4.16	<1	0.35

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	Element Method Det.Lim. Units	Ca@ GE_ICP14B 0.01 %	Cd@ GE_ICP14B 1 ppm	Co@ GE_ICP14B 1 ppm	Cr@ GE_ICP14B 1 ppm	Cu@ GE_ICP14B 0.5 ppm	Fe@ GE_ICP14B 0.01 %	Hg@ GE_ICP14B 1 ppm	K@ GE_ICP14B 0.01 %
48440		0.17	3	3	4	81.0	4.40	<1	0.40
48441		0.17	4	3	4	83.6	4.49	<1	0.37
48442		0.13	3	4	4	92.3	4.36	<1	0.40
48443		0.11	3	3	4	90.4	4.77	<1	0.43
48444		0.15	1	8	4	99.3	4.63	<1	0.30
48445		0.11	3	3	5	88.8	4.40	<1	0.41
48446		0.10	2	5	4	99.9	4.57	<1	0.38
48447		0.13	14	6	4	185	4.99	<1	0.40
48448		0.15	8	15	4	68.1	4.48	<1	0.36
48449		0.19	8	3	4	65.2	4.31	<1	0.34
48450		0.13	6	5	4	52.6	4.64	<1	0.40
48451		0.15	8	5	4	124	3.58	<1	0.38
48452		0.15	12	3	4	130	3.00	<1	0.38
48453		0.18	10	12	5	253	3.53	<1	0.38
48454		0.17	19	6	5	102	3.99	<1	0.35
48455		0.28	17	5	5	137	3.84	<1	0.44
48456		0.92	2	4	4	260	3.29	<1	0.39
48457		0.91	<1	3	4	34.8	4.23	<1	0.39
48458		0.50	<1	3	3	14.2	4.68	<1	0.35
48459		0.71	<1	3	3	13.1	4.99	<1	0.41
48460		0.78	<1	2	4	7.9	5.24	<1	0.35
48461		0.18	17	6	4	137	6.82	<1	0.40
48462		0.24	5	13	3	38.0	5.79	<1	0.32
48463		0.51	1	3	4	12.3	4.82	<1	0.33
48464		0.50	1	2	3	10.8	5.16	<1	0.30
48465		0.74	<1	4	3	11.8	5.03	<1	0.33
48466		0.87	<1	5	3	12.2	4.55	<1	0.27
48467		0.31	<1	5	3	10.6	4.85	<1	0.32
48468		0.98	<1	8	3	9.4	4.32	<1	0.33
48783		0.14	<1	4	4	23.9	4.41	<1	0.40
48784		0.14	<1	6	3	184	4.72	<1	0.43
48785		0.13	<1	6	3	157	5.22	<1	0.37
48786		0.18	2	4	3	333	5.01	<1	0.39
48787		0.12	4	13	3	413	4.10	<1	0.36
48788		0.13	<1	32	4	909	5.83	<1	0.38
48789		0.17	2	7	3	381	4.81	<1	0.36
48790		0.17	<1	10	3	34.3	4.77	<1	0.41
48791		0.15	<1	6	4	24.8	3.91	<1	0.38
48792		0.14	<1	10	3	57.4	4.98	<1	0.44
48798		0.17	4	10	3	187	3.88	<1	0.43

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	Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
	Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
48799		0.21	4	4	3	188	3.93	<1	0.38
48800		0.21	2	6	3	136	3.97	<1	0.39
2198450		0.19	2	10	3	159	4.05	<1	0.38
2198451		0.21	2	8	3	215	4.61	<1	0.35
2198452		0.18	2	5	3	158	3.69	<1	0.40
2198453		0.20	3	6	3	217	4.45	<1	0.37
2198454		0.17	8	11	3	202	5.83	<1	0.37
2198455		0.19	7	6	3	178	4.13	<1	0.35
2198456		0.23	1	9	4	194	4.43	<1	0.40

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Element Method Det.Lim. Units	La@ GE_ICP14B 0.5 ppm	Li@ GE_ICP14B 1 ppm	Mg@ GE_ICP14B 0.01 %	Mn@ GE_ICP14B 2 ppm	Mo@ GE_ICP14B 1 ppm	Na@ GE_ICP14B 0.01 %	Ni@ GE_ICP14B 1 ppm	P@ GE_ICP14B 0.01 %
48360	7.2	3	0.45	4650	2	0.01	6	0.05
48361	6.3	1	0.26	3710	3	0.01	3	0.03
48362	6.0	<1	0.21	4220	3	0.01	3	0.03
48363	7.0	<1	0.19	4350	2	0.01	2	0.02
48364	5.9	<1	0.11	6390	1	0.01	4	0.02
48365	8.1	<1	0.10	5310	2	0.01	3	0.02
48366	7.1	<1	0.19	6820	2	0.01	5	0.03
48367	7.2	1	0.44	8920	1	0.01	8	0.06
48368	6.8	1	0.45	9170	2	0.01	8	0.06
48369	7.3	1	0.31	>10000	<1	0.01	5	0.05
48370	5.6	2	0.17	5950	2	0.01	3	0.04
48371	5.4	3	0.40	6140	2	0.01	3	0.06
48372	5.9	2	0.47	5930	2	0.01	3	0.06
48373	5.3	3	0.40	7960	1	0.01	3	0.07
48374	4.9	<1	0.44	5610	2	0.02	3	0.06
48375	3.7	<1	0.43	5330	2	0.01	3	0.06
48376	4.3	2	0.44	4440	2	0.01	3	0.06
48377	4.1	3	0.41	5420	2	0.02	3	0.05
48378	3.9	3	0.39	6750	3	0.01	3	0.04
48379	2.2	3	0.19	5740	3	0.01	3	0.02
48380	2.6	3	0.26	4120	2	0.01	3	0.03
48381	5.0	1	0.21	5040	2	0.01	2	0.02
48382	4.1	<1	0.13	3130	2	0.01	2	0.01
48383	5.6	2	0.16	4110	2	0.01	1	0.01
48384	4.6	1	0.12	2850	2	0.01	2	0.01
48385	4.2	<1	0.10	2490	3	0.01	2	<0.01
48386	7.9	1	0.13	3440	2	0.01	2	0.01
48387	4.5	1	0.14	3420	2	0.01	2	0.01
48388	4.2	1	0.13	3050	3	0.01	3	0.02
48389	4.5	1	0.15	3670	3	0.01	3	0.03
48390	5.1	2	0.19	3340	3	0.01	4	0.03
48391	3.6	<1	0.19	2790	3	0.01	7	0.03
48392	4.6	1	0.15	2240	3	0.01	9	0.02
48393	4.8	1	0.10	1890	3	0.01	5	0.01
48394	5.0	1	0.15	3000	2	0.01	3	0.02
48395	5.0	1	0.12	2410	3	0.01	2	0.01
48396	4.4	1	0.20	3470	7	0.01	4	0.02
48397	4.2	2	0.31	6070	3	0.01	7	0.05
48398	4.2	2	0.30	5600	2	0.01	8	0.05
48399	3.7	2	0.32	5390	2	0.01	8	0.06

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	Element Method Det.Lim. Units	La@ GE_ICP14B 0.5 ppm	Li@ GE_ICP14B 1 ppm	Mg@ GE_ICP14B 0.01 %	Mn@ GE_ICP14B 2 ppm	Mo@ GE_ICP14B 1 ppm	Na@ GE_ICP14B 0.01 %	Ni@ GE_ICP14B 1 ppm	P@ GE_ICP14B 0.01 %
48400		4.6	2	0.33	3510	2	0.01	8	0.06
48401		4.3	2	0.35	3190	2	0.01	6	0.05
48402		4.8	3	0.43	3680	2	0.01	9	0.06
48403		4.3	2	0.38	3530	2	0.01	8	0.06
48404		4.3	3	0.34	3300	4	0.01	8	0.05
48405		4.3	2	0.32	3270	4	0.01	8	0.06
48406		5.2	3	0.37	3740	2	0.01	8	0.06
48407		4.7	2	0.32	3640	3	0.01	7	0.06
48408		5.2	2	0.34	4450	2	0.01	8	0.06
48409		5.2	3	0.34	4640	2	0.01	8	0.06
48410		4.2	2	0.33	3770	2	0.01	8	0.06
48411		4.4	2	0.35	4020	7	0.01	8	0.06
48412		3.9	3	0.32	4010	4	0.01	8	0.06
48413		3.7	3	0.33	3860	3	0.01	7	0.06
48414		3.5	3	0.34	4370	3	0.01	8	0.05
48415		3.8	3	0.29	4030	3	0.01	8	0.05
48416		3.3	3	0.32	3410	4	0.01	8	0.05
48417		3.2	1	0.25	3080	2	0.01	7	0.05
48418		3.5	2	0.28	3200	1	0.01	8	0.05
48419		3.5	2	0.35	4250	2	0.01	8	0.05
48420		3.8	2	0.28	4370	2	0.01	8	0.05
48421		3.0	1	0.14	2350	4	0.01	7	0.05
48422		3.8	2	0.29	4480	2	0.01	7	0.05
48423		4.6	1	0.27	4130	4	0.01	8	0.05
48424		3.3	3	0.35	4030	4	0.01	8	0.05
48425		3.0	2	0.32	4540	5	0.01	7	0.05
48426		3.2	3	0.30	4310	4	0.01	8	0.05
48427		3.8	3	0.29	4710	4	0.01	8	0.04
48428		3.4	1	0.28	4680	3	0.01	8	0.04
48429		2.3	1	0.23	3120	3	0.01	8	0.06
48430		4.7	1	0.18	2630	3	0.01	7	0.06
48431		5.9	2	0.28	3570	3	0.02	8	0.07
48432		5.9	2	0.27	2890	4	0.01	8	0.06
48433		6.0	2	0.30	3360	3	0.01	9	0.06
48434		6.0	2	0.29	3090	2	0.01	9	0.07
48435		6.0	3	0.29	2980	3	0.02	9	0.06
48436		5.1	2	0.30	2900	3	0.01	9	0.06
48437		5.8	3	0.30	3170	4	0.01	8	0.06
48438		4.8	3	0.27	2930	2	0.01	9	0.06
48439		5.1	2	0.26	3010	2	0.01	9	0.06

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	Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
48440		5.0	2	0.26	3360	2	0.01	8	0.05
48441		5.3	2	0.25	3780	3	0.01	8	0.05
48442		5.3	2	0.19	4010	2	0.01	9	0.04
48443		5.5	2	0.22	4090	3	0.01	9	0.03
48444		4.2	2	0.23	5050	2	0.01	9	0.04
48445		6.7	2	0.21	4210	2	0.01	9	0.03
48446		5.7	2	0.21	4440	2	0.01	8	0.02
48447		5.6	2	0.21	4870	2	0.01	8	0.03
48448		5.0	2	0.23	5150	2	0.01	9	0.04
48449		4.6	2	0.24	5630	2	0.01	9	0.05
48450		5.6	2	0.22	6700	3	0.01	8	0.03
48451		7.4	1	0.24	9080	2	0.01	8	0.04
48452		6.5	1	0.29	8370	3	0.01	9	0.04
48453		7.5	2	0.33	7680	2	0.01	10	0.06
48454		6.7	2	0.37	7580	4	0.01	9	0.05
48455		7.3	2	0.45	4980	2	0.02	9	0.06
48456		6.3	<1	0.48	7160	3	0.01	9	0.06
48457		5.0	<1	0.28	4920	3	0.01	9	0.03
48458		5.2	<1	0.16	2120	2	0.02	8	0.03
48459		5.1	<1	0.20	4110	4	0.02	8	0.03
48460		5.2	<1	0.20	4750	2	0.02	9	0.04
48461		6.4	<1	0.09	6550	2	0.02	8	0.05
48462		5.6	<1	0.09	7610	3	0.02	8	0.05
48463		3.7	1	0.20	5680	3	0.02	9	0.05
48464		4.0	<1	0.16	5280	3	0.02	8	0.05
48465		4.1	1	0.21	3100	3	0.02	9	0.05
48466		4.4	<1	0.26	3400	3	0.02	8	0.05
48467		5.0	1	0.13	3710	2	0.02	9	0.03
48468		5.6	1	0.28	5230	2	0.02	8	0.04
48783		2.8	1	0.11	2430	<1	0.02	7	0.05
48784		5.5	2	0.12	3050	<1	0.02	6	0.04
48785		3.5	1	0.12	2440	<1	0.02	6	0.05
48786		4.9	<1	0.16	3800	<1	0.02	6	0.07
48787		3.4	<1	0.07	1260	<1	0.02	7	0.05
48788		5.0	<1	0.13	2880	<1	0.02	5	0.05
48789		4.3	2	0.13	3110	<1	0.02	6	0.06
48790		4.6	2	0.09	1960	<1	0.02	6	0.06
48791		5.0	2	0.09	1460	1	0.02	5	0.06
48792		6.7	2	0.17	2830	<1	0.02	6	0.05
48798		5.6	<1	0.18	3030	2	0.02	8	0.06

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	Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
48799		4.6	1	0.21	2840	5	0.02	8	0.06
48800		4.2	1	0.20	2740	2	0.02	8	0.06
2198450		4.3	1	0.19	2530	3	0.02	9	0.06
2198451		4.3	2	0.18	2290	2	0.02	9	0.06
2198452		5.2	1	0.16	1810	4	0.02	8	0.06
2198453		4.3	2	0.20	2140	2	0.02	8	0.06
2198454		3.0	2	0.17	1720	3	0.02	9	0.05
2198455		4.9	2	0.19	2050	5	0.02	9	0.06
2198456		5.0	3	0.22	2710	3	0.02	10	0.07

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Report File No.: 0000007956

	Element Method Det.Lim. Units	Pb@ GE_ICP14B 2 ppm	S@ GE_ICP14B 0.01 %	Sb@ GE_ICP14B 5 ppm	Sc@ GE_ICP14B 0.5 ppm	Sn@ GE_ICP14B 10 ppm	Sr@ GE_ICP14B 5 ppm	Ti@ GE_ICP14B 0.01 %	V@ GE_ICP14B 1 ppm
48360		305	1.60	7	0.7	<10	40	<0.01	10
48361		242	1.61	10	<0.5	<10	29	<0.01	5
48362		438	1.28	9	<0.5	<10	33	<0.01	4
48363		371	0.85	6	<0.5	<10	24	<0.01	3
48364		505	1.67	19	<0.5	<10	13	<0.01	3
48365		492	1.71	25	<0.5	<10	14	<0.01	3
48366		887	2.23	31	<0.5	<10	27	<0.01	4
48367		374	1.59	37	0.6	<10	43	<0.01	9
48368		672	1.18	16	0.6	<10	38	<0.01	8
48369		811	1.31	58	<0.5	<10	38	<0.01	6
48370		134	1.38	13	1.0	<10	41	<0.01	5
48371		101	0.57	34	2.5	<10	63	<0.01	10
48372		27	0.65	22	2.6	<10	70	<0.01	10
48373		224	0.64	24	3.1	<10	71	<0.01	15
48374		33	0.59	8	2.3	<10	64	<0.01	9
48375		22	0.53	7	2.6	<10	64	<0.01	11
48376		6	0.60	6	2.8	<10	70	<0.01	13
48377		18	0.67	8	2.5	<10	79	<0.01	10
48378		77	0.56	14	2.4	<10	87	<0.01	8
48379		15	0.43	<5	2.2	<10	82	<0.01	9
48380		6	0.32	<5	2.3	<10	85	<0.01	8
48381		413	1.28	10	<0.5	<10	53	<0.01	4
48382		581	1.23	19	<0.5	<10	37	<0.01	3
48383		90	0.91	7	<0.5	<10	38	<0.01	3
48384		157	1.06	6	<0.5	<10	37	<0.01	3
48385		150	1.32	6	<0.5	<10	32	<0.01	3
48386		209	1.27	8	<0.5	<10	45	<0.01	4
48387		158	1.08	6	<0.5	<10	40	<0.01	3
48388		194	1.17	7	<0.5	<10	45	<0.01	3
48389		372	1.49	12	<0.5	<10	48	<0.01	4
48390		171	1.07	7	<0.5	<10	50	<0.01	4
48391		244	1.81	12	<0.5	<10	53	<0.01	5
48392		98	1.58	15	<0.5	<10	47	<0.01	4
48393		141	1.56	10	<0.5	<10	48	<0.01	3
48394		185	1.34	11	<0.5	<10	38	<0.01	4
48395		183	0.80	7	<0.5	<10	39	<0.01	3
48396		363	1.54	14	<0.5	<10	49	<0.01	6
48397		366	1.52	12	1.0	<10	58	<0.01	13
48398		378	1.54	16	1.0	<10	53	<0.01	11
48399		599	1.71	27	0.9	<10	55	<0.01	9

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	Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
	Det.Lim. Units	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
48400		279	1.46	14	1.1	<10	42	<0.01	11
48401		176	1.17	6	0.9	<10	40	<0.01	10
48402		231	1.61	12	1.2	<10	48	<0.01	14
48403		238	1.38	7	1.0	<10	41	<0.01	12
48404		259	1.48	7	0.9	<10	39	<0.01	12
48405		240	1.52	7	1.0	<10	41	<0.01	12
48406		185	1.56	8	1.0	<10	49	<0.01	12
48407		137	1.48	6	0.9	<10	38	<0.01	12
48408		130	1.48	7	0.9	<10	37	<0.01	12
48409		159	1.43	8	0.9	<10	38	<0.01	11
48410		287	1.60	11	0.9	<10	40	<0.01	12
48411		259	1.62	9	0.8	<10	43	<0.01	11
48412		155	1.63	8	0.9	<10	47	<0.01	11
48413		113	1.43	7	0.8	<10	44	<0.01	11
48414		161	1.49	16	0.8	<10	48	<0.01	12
48415		240	1.78	15	0.8	<10	52	<0.01	12
48416		283	1.78	11	0.8	<10	52	<0.01	12
48417		256	2.24	13	0.6	<10	55	<0.01	9
48418		348	3.07	27	0.7	<10	51	<0.01	11
48419		94	1.61	8	0.8	<10	55	<0.01	12
48420		112	2.03	7	0.8	<10	56	<0.01	11
48421		263	>5.00	33	0.6	<10	77	<0.01	10
48422		965	3.03	75	0.7	<10	57	<0.01	11
48423		621	2.73	20	0.6	<10	60	<0.01	10
48424		409	1.54	18	0.8	<10	61	<0.01	12
48425		728	1.56	24	0.7	<10	61	<0.01	11
48426		422	1.72	19	0.7	<10	59	<0.01	11
48427		1840	2.84	75	0.5	<10	65	<0.01	8
48428		416	1.97	25	0.6	<10	65	<0.01	8
48429		529	3.84	19	0.5	<10	66	<0.01	9
48430		897	4.56	89	<0.5	<10	45	<0.01	9
48431		416	2.45	53	0.7	<10	67	<0.01	10
48432		224	2.65	30	0.7	<10	52	<0.01	10
48433		211	2.16	18	0.7	<10	57	<0.01	11
48434		440	1.97	12	0.7	<10	55	<0.01	11
48435		286	2.12	11	0.8	<10	50	<0.01	12
48436		262	2.04	9	0.7	<10	44	<0.01	12
48437		293	1.72	7	0.8	<10	46	<0.01	14
48438		325	1.68	<5	0.8	<10	46	<0.01	13
48439		322	1.80	8	0.8	<10	49	<0.01	12

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	Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
	Det.Lim. Units	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
48440		268	1.97	10	0.7	<10	53	<0.01	12
48441		403	2.00	20	0.8	<10	64	<0.01	12
48442		595	2.59	15	0.7	<10	69	<0.01	10
48443		359	2.75	14	0.9	<10	69	<0.01	12
48444		321	2.03	15	0.8	<10	62	<0.01	11
48445		312	2.10	17	0.8	<10	73	<0.01	12
48446		438	1.99	13	0.7	<10	68	<0.01	11
48447		2070	2.58	42	0.7	<10	69	<0.01	10
48448		727	2.06	15	0.6	<10	61	<0.01	10
48449		642	2.05	14	0.6	<10	58	<0.01	10
48450		736	2.00	24	0.7	<10	49	<0.01	11
48451		870	1.00	31	0.7	<10	64	<0.01	9
48452		1880	1.05	36	0.7	<10	65	<0.01	9
48453		1530	1.23	22	0.9	<10	53	<0.01	11
48454		2060	1.24	12	0.8	<10	49	<0.01	12
48455		2020	1.53	6	0.8	<10	51	<0.01	11
48456		933	1.18	8	0.7	<10	45	<0.01	8
48457		80	4.25	<5	0.6	<10	49	<0.01	8
48458		75	4.84	9	<0.5	<10	48	<0.01	8
48459		41	>5.00	<5	0.5	<10	40	<0.01	8
48460		29	>5.00	<5	<0.5	<10	56	<0.01	8
48461		3760	>5.00	676	<0.5	<10	31	<0.01	9
48462		1340	>5.00	283	<0.5	<10	42	<0.01	7
48463		238	4.76	17	<0.5	<10	79	<0.01	7
48464		302	>5.00	10	<0.5	<10	64	<0.01	7
48465		169	>5.00	6	<0.5	<10	96	<0.01	7
48466		163	4.70	7	<0.5	<10	104	<0.01	6
48467		257	4.89	6	<0.5	<10	77	<0.01	7
48468		153	4.20	6	<0.5	<10	55	<0.01	8
48783		226	3.97	41	<0.5	<10	41	<0.01	5
48784		224	4.07	27	<0.5	<10	37	<0.01	6
48785		406	4.53	44	<0.5	<10	32	<0.01	6
48786		1270	3.76	77	<0.5	<10	31	<0.01	7
48787		1940	3.86	198	<0.5	<10	17	<0.01	8
48788		644	4.70	138	<0.5	<10	12	<0.01	7
48789		910	3.88	60	<0.5	<10	46	<0.01	7
48790		167	4.46	13	<0.5	<10	43	<0.01	6
48791		225	3.53	22	<0.5	<10	49	<0.01	5
48792		444	3.94	52	<0.5	<10	52	<0.01	6
48798		542	2.00	72	0.5	<10	93	<0.01	7

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Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
Det.Lim. Units	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
48799	524	1.94	26	0.7	<10	59	<0.01	7
48800	556	1.87	25	0.6	<10	46	<0.01	7
2198450	459	2.17	21	0.6	<10	34	<0.01	7
2198451	346	2.36	21	0.5	<10	23	<0.01	7
2198452	429	2.07	17	0.5	<10	24	<0.01	7
2198453	501	2.28	27	0.6	<10	26	<0.01	7
2198454	1040	4.17	107	0.5	<10	29	<0.01	8
2198455	651	2.22	93	0.6	<10	31	<0.01	7
2198456	435	1.88	78	0.7	<10	41	<0.01	9

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	Element Method	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B
	Det.Lim. Units	10 ppm	0.5 ppm	1 ppm	0.5 ppm
48360		<10	2.6	501	6.5
48361		<10	2.0	428	6.9
48362		<10	2.1	1200	7.0
48363		<10	2.1	928	8.5
48364		<10	1.9	975	9.6
48365		<10	2.2	1220	9.2
48366		<10	1.8	4470	7.7
48367		<10	2.6	1040	4.8
48368		<10	2.6	1870	4.3
48369		<10	2.9	1460	5.8
48370		<10	3.1	161	6.4
48371		<10	5.9	88	6.0
48372		<10	7.0	58	6.8
48373		<10	7.4	260	6.9
48374		<10	7.1	76	6.9
48375		<10	7.2	64	6.6
48376		<10	7.6	45	7.3
48377		<10	7.1	43	7.3
48378		<10	5.8	191	6.0
48379		<10	4.6	58	5.8
48380		<10	4.3	33	4.6
48381		<10	2.3	1030	6.3
48382		<10	1.6	623	6.3
48383		<10	1.9	340	6.7
48384		<10	1.6	419	6.3
48385		<10	1.6	439	6.4
48386		<10	2.2	407	9.0
48387		<10	1.8	482	6.3
48388		<10	2.0	447	5.8
48389		<10	2.2	714	6.2
48390		<10	2.3	428	6.6
48391		<10	2.3	319	6.2
48392		<10	1.9	362	6.7
48393		<10	1.9	72	7.8
48394		<10	1.8	463	6.3
48395		<10	1.7	619	6.4
48396		<10	2.5	840	6.2
48397		<10	4.1	798	4.8
48398		<10	3.8	638	4.7
48399		<10	4.0	697	5.1

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Element	W@	Y@	Zn@	Zr@
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	10	0.5	1	0.5
Units	ppm	ppm	ppm	ppm
48400	<10	3.9	477	5.3
48401	<10	3.5	553	5.8
48402	<10	3.9	543	5.5
48403	<10	3.4	593	5.1
48404	<10	3.2	661	5.1
48405	<10	3.3	819	5.0
48406	<10	3.4	516	5.0
48407	<10	3.2	566	4.8
48408	<10	3.3	673	4.7
48409	<10	3.7	703	5.2
48410	<10	3.7	406	5.1
48411	<10	3.7	571	5.1
48412	<10	3.7	307	5.0
48413	<10	3.7	357	4.9
48414	<10	4.0	389	4.6
48415	<10	3.5	491	5.0
48416	<10	3.4	865	5.4
48417	<10	3.7	717	5.4
48418	<10	3.4	541	5.8
48419	<10	4.0	722	5.1
48420	<10	4.4	607	5.6
48421	<10	3.6	391	5.9
48422	<10	4.0	1270	5.4
48423	<10	4.0	2150	5.4
48424	<10	4.0	528	5.7
48425	<10	3.2	1360	4.7
48426	<10	3.5	819	5.6
48427	<10	3.9	3420	5.7
48428	<10	3.9	798	5.6
48429	<10	3.6	407	6.0
48430	<10	3.7	8690	5.8
48431	<10	3.8	571	5.3
48432	<10	3.8	189	5.5
48433	<10	4.1	399	5.5
48434	<10	4.1	383	5.4
48435	<10	4.2	698	6.1
48436	<10	4.0	616	5.3
48437	<10	4.0	587	5.5
48438	<10	4.2	525	5.3
48439	<10	4.3	705	5.2

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	Element Method Det.Lim. Units	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B
		10 ppm	0.5 ppm	1 ppm	0.5 ppm
48440		<10	3.5	665	5.1
48441		<10	3.6	872	5.2
48442		<10	2.9	728	5.4
48443		<10	2.9	640	5.8
48444		<10	2.8	270	4.6
48445		<10	2.4	635	5.3
48446		<10	2.0	429	4.9
48447		<10	2.8	2950	5.4
48448		<10	3.1	1730	5.1
48449		<10	3.3	1810	4.8
48450		<10	3.3	1380	5.1
48451		<10	3.0	1690	4.4
48452		<10	3.1	2710	4.4
48453		<10	4.0	2250	4.8
48454		<10	4.1	4090	5.0
48455		<10	4.5	4200	5.2
48456		<10	5.5	413	4.8
48457		<10	4.1	145	6.1
48458		<10	3.4	47	6.1
48459		<10	3.3	34	6.6
48460		<10	2.9	30	6.3
48461		<10	2.7	3790	7.3
48462		<10	4.1	1220	6.4
48463		<10	4.2	271	6.2
48464		<10	4.1	245	6.2
48465		<10	4.7	159	6.5
48466		<10	4.3	203	5.9
48467		<10	3.8	173	6.3
48468		<10	4.3	209	6.1
48783		<10	5.8	56	5.4
48784		<10	4.8	169	6.0
48785		<10	4.2	129	5.7
48786		<10	4.4	302	6.1
48787		<10	3.9	783	7.9
48788		<10	3.6	94	7.0
48789		<10	5.3	423	6.2
48790		<10	5.9	67	5.9
48791		<10	5.1	98	5.5
48792		<10	4.7	467	4.5
48798		<10	3.9	687	4.8

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Report File No.: 0000007956

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	Element Method Det.Lim. Units	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B
48799		<10 ppm	4.6 ppm	836 ppm	5.0 ppm
48800		<10 ppm	4.9 ppm	462 ppm	4.9 ppm
2198450		<10 ppm	4.9 ppm	453 ppm	5.0 ppm
2198451		<10 ppm	4.4 ppm	341 ppm	4.4 ppm
2198452		<10 ppm	4.2 ppm	390 ppm	5.0 ppm
2198453		<10 ppm	4.6 ppm	539 ppm	4.8 ppm
2198454		<10 ppm	4.2 ppm	1470 ppm	5.4 ppm
2198455		<10 ppm	4.3 ppm	1380 ppm	4.7 ppm
2198456		<10 ppm	5.4 ppm	201 ppm	5.4 ppm

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## Certificate of Analysis

Work Order : VC142131  
[Report File No.: 0000007985]

To: Peter Holbek  
COPPER MOUNTAIN MINE (BC) LTD  
1700-700 WEST PENDER STREET  
VANCOUVER BC V6C 1G8

Date: Jul 24, 2014

P.O. No. : Batch#4 48653-48782, 48793-48797  
Project No. : FENTON PROJECT  
No. Of Samples : 135  
Date Submitted : Jul 04, 2014  
Report Comprises : Pages 1 to 21  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files:

Certified By :

  
Cam Chiang  
Assistant Operations Manager

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer: L.N.R. = Listed not received      I.S. = Insufficient Sample  
n.a. = Not applicable      -- = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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	Element Method	WtKg G_WGH79	Au@ GE_FA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
	Det.Lim. Units	0.01 kg	5 ppb	2 ppm	0.01 %	3 ppm	5 ppm	0.5 ppm	5 ppm
48653		3.980	<5	3	0.34	132	54	<0.5	<5
48654		3.820	16	3	0.29	1110	55	<0.5	<5
48655		3.905	13	2	0.48	462	66	<0.5	<5
48656		4.180	22	<2	0.32	171	56	<0.5	<5
48657		4.040	17	2	0.38	94	63	<0.5	<5
48658		4.275	8	<2	0.49	237	87	<0.5	<5
48659		4.235	27	<2	0.39	192	85	<0.5	<5
48660		4.025	7	<2	0.42	598	102	<0.5	<5
48661		4.180	7	<2	0.41	484	96	<0.5	<5
48662		4.435	65	<2	0.44	4990	92	<0.5	<5
48663		4.345	<5	<2	0.49	191	96	<0.5	<5
48664		4.290	24	<2	0.50	417	90	<0.5	<5
48665		4.260	32	2	0.47	64	88	<0.5	<5
48666		4.155	31	4	0.41	310	88	<0.5	6
48667		4.260	11	<2	0.52	26	90	<0.5	<5
48668		4.255	24	<2	0.44	98	89	<0.5	<5
48669		4.300	23	<2	0.49	339	95	<0.5	<5
48670		4.385	39	2	0.63	1010	210	<0.5	<5
48671		4.390	57	2	0.60	600	261	<0.5	<5
48672		4.390	57	<2	0.53	540	276	<0.5	<5
48673		4.175	76	4	0.47	699	95	<0.5	<5
48674		4.325	62	6	0.56	194	172	<0.5	6
48675		4.200	112	6	0.66	942	95	<0.5	6
48676		4.610	110	5	0.61	1210	120	<0.5	<5
48677		4.480	9	6	0.65	49	108	<0.5	7
48678		4.280	23	7	0.45	439	103	<0.5	7
48679		4.425	36	9	0.48	287	85	<0.5	11
48680		4.455	41	5	0.57	1100	89	<0.5	<5
48681		4.405	48	6	0.71	205	99	<0.5	<5
48682		4.585	31	3	0.59	765	98	<0.5	<5
48683		4.475	30	4	0.58	957	126	<0.5	<5
48684		4.245	6	3	0.53	411	97	<0.5	<5
48685		4.525	13	2	0.68	94	97	<0.5	<5
48686		4.480	27	3	0.59	488	197	<0.5	<5
48687		4.300	13	2	0.52	600	106	<0.5	<5
48688		4.420	71	2	0.58	2650	167	<0.5	<5
48689		4.440	30	3	0.57	421	112	<0.5	<5
48690		4.665	67	2	0.62	1870	107	<0.5	<5
48691		4.330	60	4	0.55	3230	94	<0.5	9
48692		4.360	37	3	0.49	385	123	<0.5	5

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Element Method Det.Lim. Units	WtKg G_WGH79	Au@ GE_FAA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
48693	4.415	7	<2	0.43	467	199	<0.5	<5
48694	4.385	22	<2	0.61	761	224	<0.5	<5
48695	4.265	17	<2	0.62	496	235	<0.5	<5
48696	4.505	20	3	0.50	2130	107	<0.5	6
48697	4.470	18	3	0.60	1270	129	<0.5	6
48698	4.650	13	<2	0.55	1650	102	<0.5	<5
48699	4.725	15	<2	0.60	870	107	<0.5	<5
48700	4.280	9	<2	0.62	847	106	<0.5	<5
48701	4.385	5	<2	0.60	336	94	<0.5	<5
48702	4.170	6	<2	0.55	479	123	<0.5	<5
48703	4.240	11	3	0.63	1130	122	<0.5	<5
48704	4.285	24	3	0.50	1990	97	<0.5	<5
48705	3.945	20	4	0.56	806	101	<0.5	7
48706	4.285	32	3	0.62	846	114	<0.5	<5
48707	4.120	37	3	0.53	720	117	<0.5	<5
48708	4.385	53	3	0.60	1210	114	<0.5	<5
48709	4.260	23	3	0.59	298	111	<0.5	<5
48710	4.100	276	4	0.61	6960	83	<0.5	<5
48711	4.170	419	6	0.60	4290	96	<0.5	18
48712	4.315	25	4	0.59	1760	95	<0.5	<5
48713	4.335	86	8	0.48	2550	93	<0.5	8
48714	4.260	51	5	0.49	1680	98	<0.5	<5
48715	4.110	24	4	0.46	1700	98	<0.5	<5
48716	4.225	73	3	0.61	5070	99	<0.5	<5
48717	4.250	30	4	0.59	422	87	<0.5	<5
48718	4.315	100	3	0.58	4770	92	<0.5	20
48719	4.330	10	<2	0.63	497	100	<0.5	<5
48720	4.330	13	<2	0.70	416	117	<0.5	<5
48721	4.285	31	<2	0.45	3060	101	<0.5	<5
48722	4.265	31	<2	0.48	140	113	<0.5	<5
48723	4.170	84	<2	0.50	3770	92	<0.5	<5
48724	4.350	26	<2	0.46	186	94	<0.5	<5
48725	4.520	7	<2	0.47	24	121	<0.5	<5
48726	4.180	55	4	0.46	2390	102	<0.5	<5
48727	4.315	78	5	0.63	367	107	<0.5	<5
48728	4.155	22	4	0.51	42	80	<0.5	<5
48729	4.305	15	3	0.45	61	62	<0.5	<5
48730	4.160	16	2	0.47	126	85	<0.5	<5
48731	4.245	13	<2	<0.01	<3	<5	<0.5	<5
48732	4.330	13	<2	<0.01	<3	<5	<0.5	<5

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Report File No.: 0000007985

Element	WtKg	Au@	Ag@	Al@	As@	Ba@	Be@	Bi@
Method	G_WGH79	GE_FA313	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	5	2	0.01	3	5	0.5	5
Units	kg	ppb	ppm	%	ppm	ppm	ppm	ppm
48733	4.360	8	3	0.51	97	86	<0.5	<5
48734	4.460	50	5	0.57	482	91	<0.5	<5
48735	3.975	138	3	0.56	1710	154	<0.5	<5
48736	4.045	32	3	0.60	1680	90	<0.5	<5
48737	4.210	22	2	0.55	738	94	<0.5	<5
48738	4.185	23	3	0.47	1460	128	<0.5	<5
48739	4.460	14	<2	0.58	47	165	<0.5	<5
48740	4.765	15	<2	0.59	65	185	<0.5	<5
48741	4.345	109	7	0.55	235	127	<0.5	74
48742	3.735	54	5	0.62	90	62	<0.5	15
48743	4.000	49	3	0.53	54	47	<0.5	12
48744	4.500	200	7	0.53	173	70	<0.5	28
48745	4.415	42	3	0.55	88	103	<0.5	18
48746	4.135	41	7	0.56	197	98	<0.5	25
48747	4.045	75	5	0.51	87	77	<0.5	27
48748	4.165	146	5	0.54	137	98	<0.5	25
48749	3.775	413	10	0.52	169	88	<0.5	37
48750	4.300	494	13	0.58	191	110	<0.5	65
48751	4.280	49	2	0.55	71	96	<0.5	25
48752	4.400	32	<2	0.53	56	115	<0.5	23
48753	4.345	30	<2	0.52	68	102	<0.5	21
48754	4.555	68	3	0.57	105	94	<0.5	22
48755	4.260	140	3	0.55	58	85	<0.5	8
48756	4.430	59	4	0.57	97	92	<0.5	23
48757	4.560	100	4	0.54	316	101	<0.5	9
48758	4.220	404	3	0.57	414	103	<0.5	13
48759	4.570	197	10	0.44	121	87	<0.5	15
48760	4.505	98	4	0.55	112	93	<0.5	<5
48761	3.175	40	3	0.46	30	134	<0.5	26
48762	4.640	14	<2	1.44	72	495	0.9	<5
48763	4.625	57	<2	1.43	86	599	0.9	<5
48764	4.685	<5	<2	1.70	11	740	1.2	<5
48765	3.710	273	7	0.56	106	123	<0.5	12
48766	4.455	48	14	0.54	115	100	<0.5	31
48767	4.550	49	6	0.44	164	88	<0.5	7
48768	3.615	36	<2	0.42	131	76	<0.5	<5
48769	4.410	24	<2	0.46	52	181	<0.5	41
48770	2.200	15	<2	0.49	25	291	<0.5	54
48771	6.025	32	6	0.61	91	166	<0.5	35
48772	4.625	35	<2	0.62	281	122	<0.5	37

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Element Method	WtKg G_WGH79	Au@ GE_FA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
Det.Lim. Units	kg	ppb	ppm	%	ppm	ppm	ppm	ppm
48773	5.890	17	10	0.68	32	194	<0.5	39
48774	3.995	37	3	0.52	1130	101	<0.5	19
48775	4.365	23	5	0.46	1040	95	<0.5	27
48776	4.055	39	3	0.48	294	146	<0.5	18
48777	4.360	37	8	0.50	131	116	<0.5	128
48778	4.280	31	16	0.47	168	87	<0.5	111
48779	4.285	44	8	0.48	97	133	<0.5	9
48780	4.320	87	4	0.49	22	110	<0.5	<5
48781	4.420	81	2	0.48	13	82	<0.5	10
48782	4.630	21	4	0.48	14	77	<0.5	22
48793	4.315	54	15	0.61	834	52	<0.5	31
48794	4.825	132	7	0.75	460	74	<0.5	16
48795	2.870	94	18	0.68	137	150	<0.5	28
48796	4.305	38	10	0.86	100	176	<0.5	12
48797	4.595	29	11	0.78	486	203	<0.5	14

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	Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
	Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
48653		0.04	5	1	2	24.0	2.52	<1	0.33
48654		0.04	3	1	2	18.6	2.25	<1	0.30
48655		0.05	2	2	2	20.0	2.18	<1	0.43
48656		0.05	1	<1	2	16.7	1.77	<1	0.32
48657		0.03	3	1	2	20.5	2.17	<1	0.36
48658		0.05	<1	2	2	18.5	1.93	<1	0.37
48659		0.09	<1	1	1	21.3	2.49	<1	0.30
48660		0.17	<1	1	2	22.2	3.60	<1	0.26
48661		0.13	<1	2	2	21.0	3.16	<1	0.29
48662		0.13	<1	15	2	17.5	3.39	<1	0.32
48663		0.18	<1	2	3	27.8	3.64	<1	0.30
48664		0.17	<1	2	3	29.4	4.08	<1	0.32
48665		0.16	<1	2	3	32.2	4.14	<1	0.30
48666		0.13	<1	8	2	33.1	3.90	<1	0.30
48667		0.17	2	4	3	36.2	4.16	<1	0.34
48668		0.17	<1	2	3	29.9	4.30	<1	0.28
48669		0.17	<1	2	3	37.6	4.04	<1	0.28
48670		0.16	<1	1	4	55.4	4.54	<1	0.38
48671		0.11	3	1	4	44.3	4.22	<1	0.36
48672		0.11	3	2	4	48.6	4.27	<1	0.34
48673		0.10	5	2	3	80.9	4.02	<1	0.33
48674		0.10	7	5	4	59.4	4.92	<1	0.36
48675		0.16	12	5	4	57.5	4.45	<1	0.42
48676		0.15	5	10	4	20.7	3.46	<1	0.30
48677		0.15	3	2	4	53.2	4.17	<1	0.38
48678		0.18	12	4	3	100	3.78	<1	0.30
48679		0.15	16	3	3	113	3.13	<1	0.31
48680		0.18	7	2	4	44.3	4.29	<1	0.39
48681		0.17	7	4	4	54.1	4.22	<1	0.43
48682		0.16	<1	4	3	36.2	4.23	<1	0.38
48683		0.17	1	10	3	37.2	4.44	<1	0.41
48684		0.17	<1	13	3	45.8	4.73	<1	0.39
48685		0.18	1	8	3	36.7	4.87	<1	0.49
48686		0.19	2	2	4	30.6	4.77	<1	0.39
48687		0.18	1	<1	3	26.2	4.43	<1	0.36
48688		0.18	<1	9	3	32.6	4.88	<1	0.42
48689		0.20	<1	3	3	33.3	4.20	<1	0.43
48690		0.18	<1	7	3	39.8	5.26	<1	0.45
48691		0.19	<1	11	3	34.1	4.43	<1	0.42
48692		0.23	<1	4	3	27.0	4.65	<1	0.37

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Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
48693	0.49	1	1	3	31.8	4.42	<1	0.33
48694	0.19	2	2	4	39.2	4.59	<1	0.45
48695	0.18	3	2	4	49.4	4.21	<1	0.43
48696	0.18	<1	5	3	33.4	4.24	<1	0.36
48697	0.12	<1	4	4	43.9	4.58	<1	0.40
48698	0.16	2	3	3	41.9	4.03	<1	0.40
48699	0.17	3	2	3	57.3	4.50	<1	0.44
48700	0.17	2	3	3	51.8	4.13	<1	0.45
48701	0.18	5	2	3	59.5	4.21	<1	0.45
48702	0.18	9	2	3	52.1	4.69	<1	0.34
48703	0.19	11	3	3	53.1	4.69	<1	0.42
48704	0.17	10	6	3	63.3	4.64	<1	0.33
48705	0.19	8	4	3	66.4	4.37	<1	0.36
48706	0.18	9	4	4	78.1	4.87	<1	0.43
48707	0.19	10	4	3	114	4.87	<1	0.33
48708	0.17	9	3	4	99.8	4.99	<1	0.43
48709	0.16	10	3	4	113	4.65	<1	0.40
48710	0.14	21	2	4	128	4.43	<1	0.45
48711	0.15	26	6	4	114	5.30	<1	0.44
48712	0.15	16	5	4	91.3	4.82	<1	0.43
48713	0.14	20	4	4	116	4.46	<1	0.32
48714	0.11	18	4	4	103	4.15	<1	0.32
48715	0.13	15	4	4	97.7	5.09	<1	0.31
48716	0.11	12	12	4	69.7	4.61	<1	0.40
48717	0.14	7	5	4	101	4.29	<1	0.42
48718	0.12	12	24	4	66.3	4.17	<1	0.42
48719	0.12	10	4	3	73.9	4.16	<1	0.43
48720	0.16	6	2	4	70.5	4.22	<1	0.45
48721	0.14	6	8	3	84.5	3.76	<1	0.29
48722	0.14	7	5	3	81.2	4.39	<1	0.31
48723	0.14	4	18	3	92.3	4.45	<1	0.33
48724	0.12	7	8	3	82.4	4.78	<1	0.33
48725	0.13	7	3	3	86.8	4.76	<1	0.32
48726	0.14	<1	17	3	77.4	4.77	<1	0.37
48727	0.20	5	8	3	84.5	4.59	<1	0.45
48728	0.23	4	6	3	106	4.03	<1	0.37
48729	0.20	4	3	3	72.3	3.12	<1	0.33
48730	0.24	8	3	3	50.9	2.64	<1	0.34
48731	<0.01	<1	<1	<1	<0.5	<0.01	<1	<0.01
48732	<0.01	<1	<1	<1	<0.5	<0.01	<1	<0.01

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Element Method Det.Lim. Units	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
48733	0.22	9	3	3	99.3	4.93	<1	0.37
48734	0.23	11	2	3	112	5.25	<1	0.40
48735	0.19	8	2	4	101	3.23	<1	0.38
48736	0.18	5	5	4	104	4.93	<1	0.42
48737	0.16	4	4	3	89.7	4.08	<1	0.38
48738	0.19	6	7	3	132	5.03	<1	0.33
48739	0.23	7	5	5	141	5.39	<1	0.34
48740	0.27	8	4	7	170	6.95	<1	0.36
48741	0.21	6	4	5	280	5.18	<1	0.38
48742	0.19	3	4	5	178	3.32	<1	0.43
48743	0.19	1	7	4	275	2.64	<1	0.38
48744	0.18	4	4	5	359	5.14	<1	0.37
48745	0.16	2	4	3	251	5.42	<1	0.41
48746	0.20	3	5	3	254	4.84	<1	0.39
48747	0.12	2	7	4	360	3.66	2	0.39
48748	0.15	4	12	4	463	4.41	<1	0.38
48749	0.19	2	10	3	446	3.36	<1	0.38
48750	0.15	3	13	4	1450	3.62	<1	0.37
48751	0.16	2	5	4	17.3	4.72	<1	0.40
48752	0.17	2	3	3	8.1	4.57	<1	0.36
48753	0.16	2	5	4	9.7	5.21	<1	0.36
48754	0.20	3	5	4	25.5	5.51	<1	0.39
48755	0.17	2	5	4	15.8	4.13	<1	0.40
48756	0.17	2	5	4	45.2	4.16	<1	0.39
48757	0.13	2	8	3	86.1	4.59	<1	0.36
48758	0.10	3	6	3	90.0	5.13	<1	0.42
48759	0.12	5	6	3	536	4.32	<1	0.33
48760	0.16	2	8	3	239	3.87	<1	0.41
48761	0.18	1	6	3	192	2.28	<1	0.35
48762	0.64	2	15	2	21.7	2.98	<1	0.44
48763	0.70	2	7	1	23.3	3.49	<1	0.54
48764	0.88	2	4	<1	5.9	3.51	<1	0.62
48765	0.15	4	6	3	144	4.14	<1	0.42
48766	0.16	7	5	2	104	3.41	<1	0.41
48767	0.14	8	4	3	141	3.89	<1	0.35
48768	0.12	2	9	3	29.3	3.49	<1	0.34
48769	0.32	2	7	3	9.5	2.84	<1	0.31
48770	0.21	5	7	3	28.1	1.95	<1	0.32
48771	0.20	4	6	3	45.6	3.34	<1	0.34
48772	0.17	2	7	4	12.6	3.69	<1	0.35

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	Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
	Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
48773		0.17	13	6	4	38.8	2.65	<1	0.33
48774		0.17	4	9	3	391	6.89	1	0.37
48775		0.16	4	9	3	282	5.54	<1	0.36
48776		0.18	4	8	3	284	4.88	<1	0.37
48777		0.13	4	8	3	272	4.89	<1	0.37
48778		0.11	3	11	3	262	5.56	<1	0.35
48779		0.16	4	5	3	291	4.39	<1	0.33
48780		0.12	2	11	3	296	4.62	<1	0.39
48781		0.12	<1	7	4	97.2	3.83	<1	0.39
48782		0.12	<1	6	3	27.4	4.13	<1	0.39
48793		0.12	<1	20	4	207	5.09	<1	0.45
48794		0.14	<1	9	4	156	4.18	<1	0.38
48795		0.13	<1	4	3	175	3.76	<1	0.36
48796		0.16	<1	7	4	139	3.86	<1	0.36
48797		0.15	3	8	4	166	4.02	<1	0.40

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	Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
48653		4.9	<1	0.05	3650	3	0.01	2	0.01
48654		5.9	<1	0.05	3420	3	0.01	2	0.01
48655		5.4	<1	0.05	3590	2	0.01	3	0.02
48656		5.8	<1	0.04	3280	2	0.01	3	0.02
48657		9.4	<1	0.05	4290	4	0.01	4	<0.01
48658		9.9	2	0.07	2750	3	0.01	3	0.01
48659		6.9	1	0.10	2440	3	0.01	4	0.02
48660		6.5	3	0.19	3860	<1	0.02	7	0.05
48661		8.1	2	0.15	3190	2	0.01	5	0.04
48662		8.0	2	0.12	1910	2	0.02	7	0.05
48663		7.9	3	0.18	3340	3	0.02	7	0.06
48664		7.0	3	0.19	3470	2	0.02	7	0.06
48665		6.0	3	0.18	4780	2	0.01	7	0.06
48666		5.4	2	0.16	3860	2	0.01	7	0.04
48667		5.8	2	0.19	4520	2	0.02	7	0.06
48668		6.1	2	0.17	5030	2	0.02	8	0.06
48669		6.9	3	0.18	5330	2	0.01	8	0.06
48670		7.2	4	0.19	5750	3	0.02	9	0.05
48671		7.5	3	0.20	6150	3	0.02	8	0.03
48672		7.2	3	0.20	5950	2	0.02	8	0.03
48673		6.4	2	0.21	6130	2	0.02	8	0.03
48674		7.1	3	0.21	5810	3	0.02	8	0.02
48675		7.1	3	0.20	5500	2	0.02	9	0.06
48676		6.9	5	0.20	6030	2	0.01	7	0.05
48677		6.8	4	0.20	5840	3	0.02	6	0.04
48678		6.3	3	0.20	8090	3	0.02	7	0.06
48679		6.1	3	0.18	6280	2	0.01	7	0.05
48680		6.3	3	0.19	4930	2	0.02	7	0.06
48681		7.2	3	0.21	5420	3	0.02	8	0.06
48682		6.5	3	0.19	4010	5	0.02	7	0.06
48683		5.9	3	0.17	3410	3	0.02	8	0.06
48684		5.5	2	0.19	4100	3	0.02	8	0.05
48685		6.4	2	0.21	3750	2	0.02	8	0.06
48686		7.1	3	0.25	4260	3	0.02	8	0.06
48687		7.4	3	0.25	3830	2	0.02	7	0.06
48688		7.5	2	0.20	3100	2	0.02	7	0.05
48689		7.8	2	0.22	2990	3	0.02	9	0.06
48690		7.8	2	0.21	2700	2	0.02	8	0.06
48691		7.1	2	0.19	2320	2	0.02	8	0.06
48692		7.1	2	0.25	3260	3	0.02	8	0.05

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	Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
48693		6.0	2	0.30	3160	2	0.02	8	0.06
48694		6.9	2	0.24	3140	2	0.02	8	0.06
48695		7.4	3	0.25	3340	2	0.02	8	0.06
48696		6.4	2	0.28	3490	3	0.02	7	0.05
48697		7.4	4	0.26	4000	3	0.02	9	0.03
48698		6.5	2	0.21	2790	2	0.02	7	0.05
48699		5.9	2	0.21	2750	3	0.02	8	0.06
48700		6.0	3	0.20	2750	4	0.02	8	0.06
48701		6.2	2	0.18	2730	3	0.02	7	0.06
48702		6.1	2	0.24	3430	3	0.02	12	0.06
48703		6.7	1	0.22	3320	3	0.02	11	0.06
48704		5.7	1	0.18	2820	3	0.01	8	0.06
48705		5.0	1	0.19	2900	3	0.02	8	0.06
48706		6.0	1	0.21	3460	3	0.02	9	0.05
48707		4.9	1	0.22	3330	3	0.02	9	0.06
48708		6.0	1	0.22	3760	8	0.02	8	0.05
48709		6.5	1	0.24	4660	3	0.02	8	0.04
48710		6.8	1	0.17	3250	3	0.02	7	0.04
48711		6.8	1	0.18	3440	3	0.01	7	0.05
48712		5.1	1	0.21	3370	3	0.02	8	0.04
48713		5.3	1	0.19	4650	3	0.01	7	0.04
48714		5.4	1	0.15	3840	3	0.01	7	0.04
48715		5.8	1	0.18	4840	4	0.01	7	0.04
48716		5.8	1	0.17	3860	4	0.01	7	0.03
48717		6.2	1	0.20	4190	3	0.01	7	0.04
48718		7.0	<1	0.16	2880	3	0.01	7	0.04
48719		7.4	2	0.21	3000	4	0.02	7	0.03
48720		6.0	2	0.25	3110	3	0.02	7	0.05
48721		4.4	1	0.17	2050	3	0.01	7	0.05
48722		4.5	1	0.26	3270	2	0.02	7	0.04
48723		5.6	1	0.19	2740	2	0.01	7	0.04
48724		5.8	1	0.19	3130	4	0.01	8	0.02
48725		7.7	1	0.21	3460	3	0.02	8	0.02
48726		7.0	<1	0.18	4270	2	0.01	8	0.03
48727		8.4	1	0.17	5980	5	0.02	8	0.05
48728		4.6	1	0.15	4700	2	0.02	10	0.06
48729		4.6	1	0.12	3540	8	0.02	7	0.06
48730		8.0	<1	0.15	4100	3	0.02	4	0.06
48731		<0.5	<1	<0.01	<2	<1	<0.01	<1	<0.01
48732		<0.5	<1	<0.01	<2	<1	<0.01	<1	<0.01

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	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
48733		4.1	1	0.23	4410	3	0.02	7	0.06
48734		6.4	1	0.23	4750	3	0.02	9	0.07
48735		5.9	1	0.12	2080	3	0.02	6	0.06
48736		7.5	1	0.18	2840	2	0.02	8	0.05
48737		5.6	1	0.18	3100	2	0.02	8	0.05
48738		5.0	1	0.22	3890	2	0.02	9	0.05
48739		7.3	2	0.30	4410	<1	0.02	13	0.08
48740		6.2	2	0.51	5320	<1	0.02	18	0.10
48741		8.8	2	0.46	4120	<1	0.02	12	0.07
48742		9.3	1	0.25	4490	3	0.02	10	0.06
48743		8.2	<1	0.20	4600	4	0.02	3	0.05
48744		5.9	1	0.24	6390	2	0.02	9	0.05
48745		5.9	1	0.21	4860	2	0.02	8	0.04
48746		5.4	1	0.14	3340	2	0.02	10	0.07
48747		6.5	1	0.10	1570	3	0.02	8	0.05
48748		6.1	3	0.15	2160	3	0.02	7	0.05
48749		7.3	2	0.08	841	3	0.02	6	0.03
48750		3.5	2	0.08	489	3	0.02	5	0.06
48751		3.4	2	0.07	581	2	0.02	11	0.06
48752		4.3	2	0.12	2260	3	0.02	9	0.06
48753		3.9	2	0.13	2680	3	0.02	10	0.06
48754		4.8	2	0.09	1050	3	0.02	11	0.06
48755		6.2	2	0.12	2250	3	0.02	8	0.05
48756		4.4	3	0.09	308	3	0.02	10	0.05
48757		3.9	2	0.08	765	4	0.02	9	0.05
48758		5.6	<1	0.09	1120	2	0.02	10	0.03
48759		4.0	1	0.08	1260	3	0.02	6	0.04
48760		3.6	1	0.11	4160	3	0.02	9	0.05
48761		2.8	1	0.04	1220	3	0.02	10	0.06
48762		29.1	15	0.31	3470	8	0.04	3	0.22
48763		32.1	12	0.35	4130	2	0.05	2	0.21
48764		45.2	18	0.45	3920	<1	0.07	<1	0.27
48765		6.7	2	0.12	2150	3	0.02	8	0.05
48766		8.8	1	0.08	1720	3	0.02	9	0.06
48767		7.8	1	0.06	1790	3	0.02	10	0.06
48768		6.0	1	0.05	1130	2	0.02	7	0.04
48769		3.6	2	0.09	3550	3	0.02	9	0.05
48770		2.8	2	0.05	2980	3	0.02	10	0.08
48771		2.6	4	0.07	1350	6	0.02	10	0.08
48772		2.2	5	0.08	79	4	0.01	10	0.07

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Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
48773	3.3	6	0.08	275	3	0.02	11	0.06
48774	4.9	<1	0.24	2630	1	0.02	5	0.06
48775	6.0	<1	0.23	2800	<1	0.02	6	0.04
48776	5.3	<1	0.19	2480	2	0.02	4	0.05
48777	5.0	1	0.17	2550	<1	0.02	4	0.04
48778	5.3	<1	0.08	1140	<1	0.02	5	0.04
48779	4.6	1	0.16	3110	<1	0.02	5	0.05
48780	4.7	2	0.11	2380	<1	0.02	5	0.04
48781	6.2	2	0.11	2440	<1	0.02	8	0.04
48782	6.0	2	0.10	2390	2	0.02	6	0.04
48793	7.4	2	0.14	1760	<1	0.02	4	0.05
48794	6.4	6	0.11	259	6	0.02	6	0.05
48795	8.8	5	0.15	1430	4	0.02	8	0.05
48796	9.4	8	0.18	1590	2	0.02	8	0.06
48797	8.2	5	0.19	2940	3	0.02	8	0.06

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Element Method Det.Lim. Units	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
48653	408	1.54	6	<0.5	<10	19	<0.01	<1
48654	423	1.28	<5	<0.5	<10	28	<0.01	<1
48655	342	1.28	8	<0.5	<10	26	<0.01	1
48656	293	1.03	<5	<0.5	<10	24	<0.01	<1
48657	312	1.21	6	<0.5	<10	21	<0.01	<1
48658	150	1.12	7	<0.5	<10	38	<0.01	2
48659	60	1.48	6	<0.5	<10	45	<0.01	2
48660	74	1.68	5	0.6	<10	55	<0.01	6
48661	61	1.65	<5	<0.5	<10	43	<0.01	5
48662	75	2.37	6	<0.5	<10	38	<0.01	4
48663	94	1.84	<5	0.6	<10	39	<0.01	6
48664	139	2.26	6	0.5	<10	41	<0.01	6
48665	145	1.88	7	0.5	<10	57	<0.01	6
48666	184	2.08	8	<0.5	<10	61	<0.01	5
48667	178	1.88	8	0.5	<10	65	<0.01	6
48668	215	2.09	8	0.6	<10	63	<0.01	6
48669	281	1.84	7	0.8	<10	58	<0.01	7
48670	320	2.26	10	0.8	<10	69	<0.01	8
48671	453	2.06	8	0.8	<10	76	<0.01	8
48672	311	1.90	10	0.7	<10	75	<0.01	7
48673	634	2.02	12	0.7	<10	76	<0.01	6
48674	978	3.04	12	0.9	<10	72	<0.01	7
48675	1160	2.45	13	0.8	<10	59	<0.01	7
48676	1030	1.09	8	1.3	<10	75	<0.01	8
48677	648	1.64	10	0.8	<10	74	<0.01	6
48678	1280	1.37	35	0.7	<10	64	<0.01	5
48679	1360	1.41	63	0.6	<10	62	<0.01	5
48680	935	2.27	14	0.6	<10	57	<0.01	6
48681	1330	1.87	19	0.8	<10	56	<0.01	7
48682	476	2.23	13	0.6	<10	47	<0.01	7
48683	650	2.79	16	0.6	<10	53	<0.01	6
48684	640	2.28	15	0.5	<10	45	<0.01	5
48685	673	2.75	15	0.6	<10	39	<0.01	6
48686	752	2.50	8	0.6	<10	49	<0.01	6
48687	423	2.22	8	0.5	<10	43	<0.01	6
48688	274	3.23	8	<0.5	<10	41	<0.01	5
48689	302	1.89	7	0.5	<10	43	<0.01	5
48690	262	3.76	8	0.5	<10	41	<0.01	6
48691	293	3.01	9	<0.5	<10	35	<0.01	5
48692	257	2.62	6	<0.5	<10	48	<0.01	5

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Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
Det.Lim. Units	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
48693	130	2.32	<5	<0.5	<10	51	<0.01	4
48694	136	2.72	8	0.5	<10	47	<0.01	6
48695	171	2.14	8	0.6	<10	52	<0.01	7
48696	274	1.95	10	0.6	<10	54	<0.01	5
48697	345	2.24	11	0.8	<10	69	<0.01	7
48698	245	2.31	9	0.5	<10	46	<0.01	5
48699	191	2.82	13	0.5	<10	45	<0.01	6
48700	127	2.42	13	0.5	<10	43	<0.01	6
48701	102	2.46	13	<0.5	<10	40	<0.01	5
48702	111	2.12	19	0.7	<10	42	<0.01	10
48703	113	2.20	23	0.8	<10	40	<0.01	10
48704	104	2.29	22	0.6	<10	45	<0.01	8
48705	149	1.98	17	0.7	<10	60	<0.01	9
48706	159	2.42	13	0.8	<10	57	<0.01	10
48707	218	2.30	20	0.7	<10	66	<0.01	9
48708	302	2.39	18	0.8	<10	63	<0.01	9
48709	353	1.94	14	0.6	<10	72	<0.01	9
48710	1470	2.68	307	0.6	<10	40	<0.01	9
48711	1340	3.45	111	0.7	<10	33	<0.01	10
48712	150	2.43	13	0.7	<10	56	<0.01	9
48713	1270	2.05	26	0.7	<10	70	<0.01	8
48714	637	2.10	29	0.7	<10	60	<0.01	8
48715	281	2.18	16	0.7	<10	63	<0.01	9
48716	307	2.02	21	0.8	<10	69	<0.01	10
48717	347	1.79	13	0.7	<10	40	<0.01	9
48718	319	2.46	15	0.7	<10	43	<0.01	9
48719	189	1.77	7	0.8	<10	58	<0.01	10
48720	162	1.79	6	0.8	<10	53	<0.01	10
48721	151	1.84	12	0.5	<10	46	<0.01	8
48722	167	1.70	6	0.6	<10	52	<0.01	8
48723	204	2.23	27	0.6	<10	42	<0.01	8
48724	93	2.17	7	0.5	<10	53	<0.01	7
48725	136	1.86	10	<0.5	<10	70	<0.01	7
48726	209	2.45	12	<0.5	<10	65	<0.01	4
48727	394	1.95	14	<0.5	<10	48	<0.01	8
48728	177	1.83	17	<0.5	<10	38	<0.01	7
48729	226	1.52	23	<0.5	<10	20	<0.01	5
48730	224	0.86	10	<0.5	<10	31	<0.01	5
48731	<2	<0.01	<5	<0.5	<10	<5	<0.01	<1
48732	<2	<0.01	<5	<0.5	<10	<5	<0.01	<1

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	Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
	Det.Lim. Units	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
48733		330	1.84	14	0.5	<10	29	<0.01	8
48734		703	2.30	31	0.5	<10	30	<0.01	8
48735		550	1.86	88	<0.5	<10	21	<0.01	6
48736		314	2.62	28	<0.5	<10	32	<0.01	8
48737		171	1.63	18	0.5	<10	49	<0.01	7
48738		278	2.08	25	0.6	<10	71	<0.01	8
48739		256	1.83	23	1.3	<10	69	<0.01	13
48740		126	2.17	13	1.9	<10	77	<0.01	21
48741		602	1.73	33	1.3	<10	50	<0.01	13
48742		650	0.76	18	<0.5	<10	13	<0.01	8
48743		103	0.59	29	<0.5	<10	11	<0.01	7
48744		501	2.23	81	0.8	<10	24	<0.01	12
48745		48	3.71	12	<0.5	<10	49	<0.01	9
48746		383	3.97	38	<0.5	<10	56	<0.01	9
48747		216	3.13	32	0.6	<10	34	<0.01	9
48748		253	3.08	61	1.1	<10	44	<0.01	13
48749		522	3.04	75	<0.5	<10	39	<0.01	6
48750		393	3.49	105	<0.5	<10	49	<0.01	8
48751		62	4.81	14	<0.5	<10	48	<0.01	8
48752		38	4.04	10	<0.5	<10	58	<0.01	8
48753		41	4.73	5	<0.5	<10	57	<0.01	8
48754		85	>5.00	15	0.5	<10	48	<0.01	10
48755		163	3.61	12	0.5	<10	50	<0.01	8
48756		152	3.93	13	<0.5	<10	50	<0.01	8
48757		182	4.41	17	<0.5	<10	50	<0.01	8
48758		126	4.97	18	0.5	<10	39	<0.01	9
48759		468	4.24	73	<0.5	<10	29	<0.01	7
48760		110	3.30	9	0.7	<10	30	<0.01	8
48761		129	2.06	14	0.8	<10	66	<0.01	5
48762		56	0.61	17	3.0	<10	208	<0.01	28
48763		44	0.76	18	3.3	<10	269	<0.01	29
48764		15	0.08	6	4.2	<10	339	<0.01	34
48765		601	3.60	9	0.7	<10	50	<0.01	9
48766		1780	3.27	7	<0.5	<10	25	<0.01	7
48767		508	3.77	7	<0.5	<10	25	<0.01	6
48768		212	3.31	<5	<0.5	<10	20	<0.01	6
48769		78	2.11	9	1.0	<10	68	<0.01	5
48770		59	1.30	7	0.9	<10	86	<0.01	5
48771		553	2.73	26	0.7	<10	79	<0.01	6
48772		67	3.57	16	<0.5	<10	61	<0.01	6

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	Element Method Det.Lim. Units	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
48773		1620	2.36	22	0.6	<10	66	<0.01	6
48774		129	3.89	27	0.6	<10	74	<0.01	10
48775		196	2.77	35	0.5	<10	44	<0.01	7
48776		101	2.91	10	<0.5	<10	50	<0.01	7
48777		275	3.44	30	0.5	<10	21	<0.01	8
48778		221	>5.00	37	<0.5	<10	35	<0.01	8
48779		299	3.17	26	0.6	<10	55	<0.01	7
48780		40	3.59	15	0.6	<10	28	<0.01	7
48781		37	3.14	11	0.5	<10	40	<0.01	4
48782		50	3.46	13	<0.5	<10	44	<0.01	3
48793		449	4.62	48	<0.5	<10	18	<0.01	6
48794		182	3.66	12	<0.5	<10	57	<0.01	5
48795		769	2.36	21	0.5	<10	48	<0.01	5
48796		469	2.11	22	0.7	<10	70	<0.01	6
48797		619	1.86	47	0.6	<10	94	<0.01	5

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Element	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B
Method	10 ppm	0.5 ppm	1 ppm	0.5 ppm
Det.Lim.				
Units				
48653	<10	1.3	1300	8.8
48654	<10	1.2	1000	7.4
48655	<10	1.4	616	8.6
48656	<10	1.4	490	7.1
48657	<10	1.4	893	8.7
48658	<10	1.5	443	7.0
48659	<10	2.0	318	4.9
48660	<10	3.4	257	3.9
48661	<10	2.8	263	4.6
48662	<10	3.3	172	4.4
48663	<10	4.4	351	4.3
48664	<10	4.1	442	4.2
48665	<10	3.4	475	4.2
48666	<10	3.1	510	4.0
48667	<10	3.8	894	4.3
48668	<10	4.1	495	4.1
48669	<10	4.6	674	4.4
48670	<10	4.0	747	5.1
48671	<10	3.3	1130	4.9
48672	<10	3.0	1240	4.7
48673	<10	2.4	1710	4.3
48674	<10	2.7	2150	4.9
48675	<10	3.8	2970	5.2
48676	<10	4.0	1600	4.7
48677	<10	3.4	1160	5.0
48678	<10	3.9	3090	4.1
48679	<10	4.0	3120	4.1
48680	<10	3.8	2090	4.3
48681	<10	4.2	2010	4.9
48682	<10	3.5	546	4.8
48683	<10	3.5	790	4.3
48684	<10	3.9	773	4.3
48685	<10	3.9	914	4.8
48686	<10	4.4	1090	4.5
48687	<10	4.1	771	4.2
48688	<10	3.5	183	4.7
48689	<10	4.0	379	5.1
48690	<10	3.5	454	4.8
48691	<10	4.0	338	4.8
48692	<10	4.3	775	4.6

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Element	W@	Y@	Zn@	Zr@
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	10	0.5	1	0.5
Units	ppm	ppm	ppm	ppm
48693	<10	4.6	767	4.0
48694	<10	4.2	960	4.9
48695	<10	4.3	1180	4.5
48696	<10	4.5	595	4.1
48697	<10	3.0	758	4.4
48698	<10	4.5	847	4.3
48699	<10	4.3	1140	4.6
48700	<10	3.5	874	4.6
48701	<10	3.5	1440	4.5
48702	<10	4.2	1580	5.2
48703	<10	4.0	2110	5.9
48704	<10	2.7	1720	5.1
48705	<10	3.2	1310	5.2
48706	<10	3.8	1490	5.9
48707	<10	4.0	1700	5.4
48708	<10	4.1	1730	5.8
48709	<10	3.6	1840	5.4
48710	<10	3.3	4040	5.8
48711	<10	3.5	4810	6.1
48712	<10	3.4	2880	5.6
48713	<10	3.6	3510	4.8
48714	<10	3.1	3350	4.6
48715	<10	3.3	2730	5.0
48716	<10	3.0	2120	5.3
48717	<10	3.6	1190	5.6
48718	<10	3.1	2160	5.4
48719	<10	3.2	1860	5.3
48720	<10	3.8	1070	5.6
48721	<10	2.6	1030	4.5
48722	<10	3.3	1270	4.6
48723	<10	3.3	555	5.1
48724	<10	3.1	983	5.1
48725	<10	3.3	1010	4.9
48726	<10	2.6	605	4.4
48727	<10	3.2	782	5.8
48728	<10	2.9	583	5.6
48729	<10	3.0	697	5.2
48730	<10	3.7	1460	4.9
48731	<10	<0.5	<1	<0.5
48732	<10	<0.5	<1	<0.5

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Element	W@	Y@	Zn@	Zr@
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	10	0.5	1	0.5
Units	ppm	ppm	ppm	ppm
48733	<10	3.3	1330	5.4
48734	<10	4.0	1850	5.5
48735	<10	3.4	1400	6.0
48736	<10	3.3	619	5.6
48737	<10	3.0	511	4.7
48738	<10	3.7	947	4.4
48739	<10	6.6	1030	3.8
48740	<10	5.4	1090	3.7
48741	<10	5.6	758	3.6
48742	<10	4.1	430	5.5
48743	<10	3.6	128	4.8
48744	<10	4.2	492	5.6
48745	<10	4.3	75	5.9
48746	<10	4.5	276	6.2
48747	<10	4.0	98	5.0
48748	<10	7.2	631	6.2
48749	<10	3.7	259	5.4
48750	<10	5.4	309	5.6
48751	<10	5.5	30	5.3
48752	<10	5.2	24	5.1
48753	<10	4.8	18	5.0
48754	<10	3.9	55	5.5
48755	<10	4.3	19	4.7
48756	<10	4.0	29	4.4
48757	<10	4.0	82	4.6
48758	<10	3.2	44	4.7
48759	<10	3.2	579	4.9
48760	<10	3.7	29	6.2
48761	<10	3.3	78	7.1
48762	<10	10.0	160	5.6
48763	<10	10.2	129	5.7
48764	<10	13.4	75	6.6
48765	<10	3.9	532	5.6
48766	<10	3.7	1030	6.0
48767	<10	4.3	1280	5.7
48768	<10	4.2	103	5.0
48769	<10	4.5	98	6.3
48770	<10	4.6	745	7.0
48771	<10	4.5	472	6.6
48772	<10	4.6	30	7.7

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Element Method	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B
Det.Lim. Units	10 ppm	0.5 ppm	1 ppm	0.5 ppm
48773	<10	4.1	2300	7.5
48774	<10	3.8	82	7.2
48775	<10	4.6	243	6.4
48776	<10	5.8	344	6.8
48777	<10	4.7	280	6.8
48778	<10	4.8	135	7.0
48779	<10	5.6	386	5.7
48780	<10	4.5	84	5.2
48781	<10	4.7	80	5.1
48782	<10	4.7	99	4.5
48793	<10	3.6	454	5.8
48794	<10	3.9	225	5.2
48795	<10	3.6	514	4.3
48796	<10	4.9	608	4.1
48797	<10	4.0	988	4.2

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## Certificate of Analysis

Work Order : VC142185  
[Report File No.: 0000008042]

To: Peter Holbek  
COPPER MOUNTAIN MINE (BC) LTD  
1700-700 WEST PENDER STREET  
VANCOUVER BC V6C 1G8

Date: Jul 28, 2014

P.O. No. : Batch#5 48469 to 48600, 48651-48652  
Project No. : FENTON PROJECT  
No. Of Samples : 134  
Date Submitted : Jul 09, 2014  
Report Comprises : Pages 1 to 21  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files:

Certified By :



Cam Chiang  
Assistant Operations Manager

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element	WtKg	Au@	Ag@	Al@	As@	Ba@	Be@	Bi@
Method	G_WGH79	GE_FA313	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	5	2	0.01	3	5	0.5	5
Units	kg	ppb	ppm	%	ppm	ppm	ppm	ppm
48469	4.160	5	<2	0.73	35	107	0.5	<5
48470	4.125	<5	<2	0.89	21	183	0.5	<5
48471	4.205	<5	<2	0.75	26	88	0.5	<5
48472	4.145	<5	<2	0.80	18	183	<0.5	<5
48473	4.030	7	<2	0.86	27	148	0.6	<5
48474	3.950	36	<2	0.75	19	292	0.5	<5
48475	3.845	<5	<2	0.77	15	361	<0.5	<5
48476	3.950	<5	<2	0.75	15	295	<0.5	<5
48477	4.105	25	3	0.64	98	147	<0.5	<5
48478	3.455	9	2	0.60	20	146	<0.5	<5
48479	4.080	69	6	0.67	133	81	0.6	<5
48480	4.130	43	3	0.71	205	93	0.7	<5
48481	4.265	47	7	0.67	499	43	<0.5	<5
48482	4.320	20	7	0.65	235	61	<0.5	<5
48483	4.080	15	2	0.68	162	175	<0.5	<5
48484	3.830	26	3	0.72	854	148	<0.5	<5
48485	4.095	34	5	0.63	223	176	<0.5	<5
48486	4.130	16	4	0.65	80	254	<0.5	<5
48487	4.085	15	4	0.71	123	66	0.6	<5
48488	4.100	46	6	0.80	856	197	0.5	<5
48489	4.260	32	6	0.79	628	70	<0.5	<5
48490	3.925	15	4	0.78	419	85	<0.5	<5
48491	4.050	24	4	0.81	146	79	<0.5	<5
48492	3.830	24	3	0.64	236	55	<0.5	<5
48493	3.915	98	6	0.68	1550	67	<0.5	<5
48494	4.135	81	8	0.70	1250	115	<0.5	<5
48495	4.075	76	10	0.77	1260	71	<0.5	<5
48496	4.125	86	5	0.79	1020	73	<0.5	<5
48497	4.135	115	7	0.72	996	74	<0.5	<5
48498	4.055	213	9	0.88	2880	59	<0.5	6
48499	3.820	150	7	0.88	2080	82	<0.5	<5
48500	4.035	142	5	0.80	1860	71	<0.5	<5
48501	3.985	195	13	0.71	1210	77	<0.5	10
48502	3.970	256	14	0.72	2260	193	<0.5	27
48503	4.140	58	4	0.68	783	144	<0.5	<5
48504	4.345	89	4	0.83	1220	165	<0.5	<5
48505	4.130	42	3	0.75	160	219	<0.5	<5
48506	4.260	21	3	0.62	154	115	<0.5	<5
48507	4.200	13	2	0.89	157	130	0.5	<5
48508	4.300	47	3	0.82	168	89	<0.5	<5

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Final : VC142185 Order: Batch#5 48469 to 48600, 48651-48652

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Element Method	WtKg G_WGH79	Au@ GE_FA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
Det.Lim. Units	kg	ppb	ppm	%	ppm	ppm	ppm	ppm
48509	4.325	90	3	0.77	203	77	<0.5	<5
48510	4.400	90	4	0.76	246	111	<0.5	<5
48511	4.085	136	4	0.86	552	73	<0.5	<5
48512	4.170	674	18	0.78	860	86	0.5	35
48513	4.415	84	2	0.80	686	122	<0.5	<5
48514	4.355	47	3	0.67	97	76	<0.5	<5
48515	4.395	40	4	0.68	192	82	<0.5	<5
48516	3.975	117	5	0.85	2240	147	<0.5	7
48517	4.235	18	2	0.66	79	115	<0.5	<5
48518	4.210	27	2	0.76	77	62	<0.5	<5
48519	4.105	59	5	0.70	833	50	<0.5	<5
48520	4.110	23	2	0.70	66	62	<0.5	<5
48521	4.245	49	3	0.80	497	49	<0.5	<5
48522	4.230	52	3	0.75	1550	45	0.5	<5
48523	4.330	79	4	0.79	4150	110	<0.5	<5
48524	4.135	62	2	0.69	800	47	0.6	<5
48525	4.190	27	2	0.65	199	39	0.6	<5
48526	4.175	35	3	0.65	451	36	<0.5	<5
48527	4.095	45	3	0.60	444	42	<0.5	<5
48528	4.040	70	4	0.55	1100	53	<0.5	<5
48529	3.595	64	6	0.74	215	96	0.5	5
48530	4.180	87	4	0.76	815	63	<0.5	<5
48531	4.185	88	3	0.58	976	76	<0.5	<5
48532	4.010	110	3	0.71	1350	67	<0.5	<5
48533	4.120	31	2	0.70	348	79	0.5	<5
48534	4.225	51	2	0.73	843	96	0.6	<5
48535	4.020	67	<2	0.74	526	51	0.6	<5
48536	4.255	72	3	0.71	1940	55	<0.5	<5
48537	4.165	180	3	0.63	2510	76	<0.5	<5
48538	4.230	24	2	0.85	107	69	0.6	<5
48539	4.535	13	<2	0.87	47	58	<0.5	<5
48540	4.125	9	<2	0.94	48	55	<0.5	<5
48541	4.120	44	2	0.82	2360	83	<0.5	<5
48542	4.000	10	2	0.85	67	53	<0.5	<5
48543	4.145	9	<2	0.80	65	78	0.5	<5
48544	4.140	9	<2	0.75	75	132	0.6	<5
48545	4.180	12	2	0.72	219	69	0.5	<5
48546	4.075	20	<2	0.79	67	114	0.6	<5
48547	4.160	13	2	0.99	88	173	<0.5	<5
48548	4.215	23	2	0.98	44	148	<0.5	<5

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Element Method Det.Lim. Units	WtKg G_WGH79	Au@ GE_FA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
48549	4.280	20	4	0.70	49	116	<0.5	<5
48550	4.215	11	2	0.75	61	129	<0.5	<5
48551	4.110	20	4	0.74	97	157	<0.5	<5
48552	4.080	295	3	0.71	120	109	<0.5	<5
48553	4.470	44	7	0.75	204	126	<0.5	<5
48554	4.210	12	3	0.81	51	137	<0.5	<5
48555	4.245	13	2	0.61	49	119	0.5	<5
48556	4.245	18	2	0.76	51	124	0.6	<5
48557	4.270	18	<2	0.86	202	118	0.5	<5
48558	4.235	36	<2	0.78	178	115	<0.5	<5
48559	4.450	173	14	0.89	264	124	0.5	23
48560	4.340	9	2	0.83	208	148	0.6	<5
48561	4.415	13	2	0.73	107	166	0.5	<5
48562	4.275	13	<2	0.79	55	123	<0.5	<5
48563	4.485	16	<2	0.66	36	116	0.5	<5
48564	4.255	11	<2	0.70	92	134	<0.5	<5
48565	4.625	14	<2	0.67	117	121	<0.5	<5
48566	4.365	14	2	0.76	116	125	0.5	<5
48567	4.350	19	<2	0.82	359	133	<0.5	<5
48568	4.385	27	<2	0.76	222	127	<0.5	<5
48569	4.135	18	<2	0.80	48	123	<0.5	<5
48570	4.330	8	<2	0.70	49	132	<0.5	<5
48571	4.000	<5	<2	0.66	21	150	0.5	<5
48572	5.000	<5	2	0.59	17	179	0.7	<5
48573	4.165	9	<2	0.72	27	147	<0.5	<5
48574	4.155	22	3	0.69	227	92	<0.5	<5
48575	4.020	45	2	0.68	146	122	<0.5	<5
48576	4.035	37	2	0.85	768	168	<0.5	<5
48577	4.345	12	3	0.76	129	99	<0.5	<5
48578	4.305	11	2	0.78	203	108	<0.5	<5
48579	4.420	43	3	0.71	2460	101	<0.5	<5
48580	4.190	35	9	0.63	163	130	<0.5	14
48581	4.155	19	2	0.63	133	167	<0.5	<5
48582	4.110	21	<2	0.47	107	153	<0.5	<5
48583	4.290	<5	<2	0.59	30	130	0.5	<5
48584	4.215	9	<2	0.40	584	138	<0.5	<5
48585	4.040	<5	<2	0.49	47	220	<0.5	<5
48586	4.080	10	<2	0.52	297	110	<0.5	<5
48587	4.080	11	<2	0.47	331	124	<0.5	<5
48588	3.970	10	<2	0.55	338	134	<0.5	<5

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Element	WtKg	Au@	Ag@	Al@	As@	Ba@	Be@	Bi@
Method	G_WGH79	GE_FA313	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	5	2	0.01	3	5	0.5	5
Units	kg	ppb	ppm	%	ppm	ppm	ppm	ppm
48589	3.865	20	3	0.44	275	91	<0.5	<5
48590	3.940	6	2	0.38	7	70	<0.5	<5
48591	4.150	6	<2	0.40	7	69	<0.5	<5
48592	3.965	14	4	0.37	14	76	<0.5	9
48593	3.905	15	6	0.41	20	68	<0.5	13
48594	4.105	14	4	0.41	16	71	<0.5	6
48595	4.165	25	3	0.41	62	88	<0.5	<5
48596	3.640	20	3	0.42	163	80	<0.5	<5
48597	4.190	29	2	0.41	556	87	<0.5	<5
48598	3.850	14	<2	0.33	137	55	<0.5	<5
48599	3.700	9	<2	0.30	34	52	<0.5	<5
48600	2.900	<5	3	0.38	17	63	<0.5	<5
48651	1.820	23	4	0.42	35	79	<0.5	<5
48652	2.885	19	3	0.31	14	48	<0.5	<5

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	Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
	Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
48469		0.15	<1	5	6	10.7	1.69	<1	0.44
48470		0.17	<1	5	7	8.6	1.94	<1	0.48
48471		0.47	<1	5	6	4.1	1.64	<1	0.44
48472		0.18	<1	5	7	8.3	1.62	<1	0.39
48473		0.17	<1	5	6	12.0	2.01	<1	0.46
48474		0.09	<1	4	6	7.5	1.99	<1	0.48
48475		0.08	<1	4	6	5.7	1.53	1	0.45
48476		0.09	<1	4	6	8.9	1.84	<1	0.42
48477		0.14	1	5	7	14.9	2.80	<1	0.42
48478		0.14	1	4	6	5.3	2.29	<1	0.35
48479		0.28	2	3	3	16.9	5.09	<1	0.45
48480		0.27	16	2	2	30.2	3.74	<1	0.47
48481		0.20	12	4	2	33.0	4.26	<1	0.45
48482		0.17	13	5	3	29.9	4.49	<1	0.47
48483		0.17	14	4	3	21.8	3.84	<1	0.48
48484		0.21	13	5	4	22.2	4.23	<1	0.52
48485		0.17	14	4	4	21.6	3.76	<1	0.43
48486		0.16	5	5	6	8.8	3.29	<1	0.36
48487		0.24	10	6	3	24.2	5.13	<1	0.46
48488		0.23	2	18	4	19.9	5.66	<1	0.53
48489		0.24	10	3	4	27.0	5.20	<1	0.54
48490		0.24	3	2	4	26.5	4.69	<1	0.57
48491		0.24	3	3	4	23.6	5.15	<1	0.59
48492		0.22	1	2	3	22.6	3.89	<1	0.48
48493		0.24	4	4	3	21.8	4.74	<1	0.52
48494		0.23	5	2	4	37.0	4.60	<1	0.54
48495		0.20	12	3	4	46.8	4.49	<1	0.56
48496		0.21	4	2	4	33.1	4.96	<1	0.58
48497		0.20	3	3	4	14.7	5.02	<1	0.54
48498		0.21	7	4	4	35.1	5.54	<1	0.61
48499		0.22	5	5	4	39.4	4.97	<1	0.63
48500		0.23	6	1	4	21.2	4.79	<1	0.57
48501		0.20	7	2	5	34.5	4.75	<1	0.49
48502		0.26	4	25	6	26.8	5.20	<1	0.53
48503		0.30	5	3	4	22.1	4.22	<1	0.50
48504		0.34	7	4	4	30.8	5.02	<1	0.58
48505		0.29	3	5	5	27.9	4.27	<1	0.55
48506		0.29	3	7	6	28.2	4.70	<1	0.47
48507		0.28	11	9	7	26.3	4.51	<1	0.62
48508		0.37	4	9	7	25.4	4.88	<1	0.58

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Element Method Det.Lim. Units	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
48509	0.52	<1	10	7	19.5	4.64	<1	0.56
48510	0.38	4	12	7	23.1	5.13	<1	0.56
48511	0.37	13	14	6	28.2	5.55	<1	0.60
48512	0.30	6	23	7	28.9	5.32	<1	0.56
48513	0.30	6	13	6	23.7	4.62	<1	0.59
48514	0.30	4	5	5	23.7	5.09	<1	0.49
48515	0.31	4	3	4	27.1	5.31	<1	0.50
48516	0.30	7	24	3	30.8	4.19	<1	0.64
48517	0.30	1	4	4	26.0	4.55	<1	0.51
48518	0.29	1	4	4	20.7	4.20	<1	0.56
48519	0.32	1	4	4	19.8	4.78	<1	0.51
48520	0.26	<1	3	3	18.4	3.86	<1	0.51
48521	0.34	1	4	4	24.4	4.86	<1	0.57
48522	0.42	2	4	4	22.6	4.52	<1	0.55
48523	0.30	3	6	4	21.6	5.01	<1	0.57
48524	0.24	1	7	4	20.3	4.78	<1	0.46
48525	0.18	3	8	4	17.0	3.95	<1	0.46
48526	0.31	6	6	4	24.8	4.08	<1	0.49
48527	0.25	7	6	3	31.4	3.24	<1	0.42
48528	0.19	8	4	3	22.1	2.88	<1	0.38
48529	0.06	6	8	3	13.2	4.54	<1	0.49
48530	0.13	3	11	5	31.8	4.83	<1	0.52
48531	0.16	2	7	5	26.6	3.04	<1	0.41
48532	0.28	<1	13	5	34.4	3.96	<1	0.48
48533	0.34	<1	10	6	28.2	4.45	<1	0.47
48534	0.33	<1	15	6	26.2	4.79	<1	0.51
48535	0.28	<1	13	5	31.0	5.10	<1	0.51
48536	0.27	4	29	6	30.4	5.04	<1	0.50
48537	0.14	6	16	5	23.0	4.48	<1	0.45
48538	0.23	2	8	6	32.1	4.38	<1	0.55
48539	0.24	<1	6	5	18.7	3.63	<1	0.46
48540	0.41	<1	7	6	22.8	4.22	<1	0.51
48541	0.26	<1	25	5	23.7	4.38	<1	0.51
48542	0.26	1	6	5	22.2	4.01	<1	0.55
48543	0.47	2	7	4	19.4	4.22	<1	0.50
48544	0.27	2	11	6	26.4	4.66	<1	0.47
48545	0.23	2	14	5	23.7	4.61	<1	0.48
48546	0.25	2	8	5	25.9	4.63	<1	0.50
48547	0.25	2	12	6	25.8	4.33	<1	0.61
48548	0.27	2	10	6	27.3	4.68	<1	0.54

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Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
48549	0.25	3	11	4	29.6	4.88	<1	0.47
48550	0.28	<1	13	4	26.7	4.17	<1	0.45
48551	0.32	2	14	4	27.8	4.90	<1	0.42
48552	0.26	1	17	4	30.1	5.06	<1	0.47
48553	0.23	8	20	4	39.9	4.96	<1	0.49
48554	0.27	<1	12	5	28.6	5.05	<1	0.44
48555	0.23	<1	11	4	24.4	4.50	<1	0.41
48556	0.23	4	8	5	24.4	4.25	<1	0.48
48557	0.24	<1	10	6	25.3	4.33	<1	0.53
48558	0.24	<1	8	6	20.4	4.53	<1	0.48
48559	0.26	<1	9	8	35.8	6.70	<1	0.54
48560	0.20	1	10	7	23.8	4.58	<1	0.51
48561	0.19	<1	8	6	27.5	4.56	<1	0.45
48562	0.19	1	6	8	21.9	4.09	<1	0.46
48563	0.14	<1	6	6	24.8	4.09	<1	0.41
48564	0.16	<1	7	7	21.7	4.43	<1	0.42
48565	0.14	<1	7	6	20.2	4.35	<1	0.41
48566	0.17	<1	7	6	29.3	4.77	<1	0.47
48567	0.16	1	11	6	23.3	4.60	<1	0.49
48568	0.11	<1	7	6	25.6	4.80	<1	0.46
48569	0.15	<1	2	6	17.3	3.62	<1	0.47
48570	0.08	2	6	6	20.9	4.20	<1	0.43
48571	0.09	<1	5	6	14.1	4.78	<1	0.39
48572	0.09	<1	6	4	24.4	5.81	<1	0.37
48573	0.08	1	5	5	25.4	4.31	<1	0.46
48574	0.07	2	8	6	57.3	6.26	<1	0.47
48575	0.07	3	7	7	28.5	4.98	<1	0.45
48576	0.12	2	11	7	35.2	3.35	<1	0.54
48577	0.19	2	5	6	26.5	4.75	<1	0.50
48578	0.20	1	8	6	32.9	4.88	<1	0.53
48579	0.19	<1	30	6	32.5	5.13	<1	0.49
48580	0.11	<1	7	5	30.4	4.65	<1	0.45
48581	0.14	<1	6	5	29.8	4.28	<1	0.44
48582	0.05	2	4	3	16.2	2.83	<1	0.33
48583	0.17	<1	5	4	24.2	4.28	<1	0.36
48584	0.07	3	10	3	16.7	2.26	<1	0.32
48585	0.06	2	4	4	14.2	1.69	<1	0.34
48586	0.05	<1	7	3	13.4	1.77	<1	0.34
48587	0.04	<1	5	3	10.3	1.28	<1	0.30
48588	0.08	1	4	3	16.3	2.23	<1	0.35

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	Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
	Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
48589		0.05	4	5	4	24.0	2.49	<1	0.35
48590		0.04	<1	4	3	8.7	2.92	<1	0.27
48591		0.03	<1	2	3	5.7	2.70	<1	0.31
48592		0.04	<1	2	3	5.9	2.75	<1	0.29
48593		0.03	8	2	3	15.9	2.63	<1	0.34
48594		0.05	<1	2	4	7.7	2.39	<1	0.34
48595		0.03	3	2	4	21.1	2.30	<1	0.35
48596		0.03	5	3	4	27.8	2.33	<1	0.39
48597		0.05	4	3	4	28.9	1.83	<1	0.37
48598		0.04	<1	<1	3	15.7	1.52	<1	0.30
48599		0.02	<1	<1	2	14.8	1.42	<1	0.26
48600		0.03	<1	1	4	23.4	2.21	<1	0.35
48651		0.05	4	2	4	27.6	2.48	<1	0.36
48652		0.04	4	2	3	17.3	2.04	<1	0.29

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	Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
48469		7.8	5	0.07	2970	3	0.01	11	0.05
48470		9.2	6	0.10	3920	3	0.01	10	0.06
48471		7.8	4	0.18	3710	3	0.01	10	0.06
48472		7.5	6	0.14	3050	3	<0.01	10	0.06
48473		7.5	7	0.14	5820	3	0.01	9	0.04
48474		10.9	5	0.13	6520	3	0.01	9	<0.01
48475		10.5	4	0.11	4510	3	0.01	10	<0.01
48476		7.7	5	0.12	5780	3	<0.01	10	<0.01
48477		9.9	4	0.19	>10000	6	0.01	12	0.01
48478		8.4	3	0.18	>10000	3	<0.01	10	0.02
48479		14.4	2	0.25	>10000	2	0.01	5	0.04
48480		16.3	1	0.27	>10000	3	0.01	5	0.05
48481		13.8	1	0.19	>10000	2	0.01	4	0.05
48482		11.5	1	0.29	>10000	<1	0.01	4	0.05
48483		11.0	1	0.27	>10000	2	0.01	4	0.05
48484		12.1	1	0.31	>10000	3	0.01	5	0.05
48485		10.2	2	0.24	>10000	4	0.01	7	0.04
48486		13.1	3	0.33	>10000	3	<0.01	11	0.02
48487		21.9	2	0.41	8890	5	0.01	4	0.06
48488		13.6	2	0.45	>10000	4	0.01	4	0.06
48489		13.5	2	0.41	>10000	5	0.02	4	0.06
48490		15.0	1	0.35	>10000	5	0.02	5	0.06
48491		13.4	1	0.32	>10000	4	0.01	4	0.06
48492		12.2	<1	0.27	>10000	3	0.01	4	0.05
48493		13.6	1	0.28	>10000	3	0.01	5	0.05
48494		16.5	2	0.36	>10000	4	0.01	5	0.06
48495		14.6	1	0.32	>10000	3	0.01	5	0.06
48496		14.2	2	0.34	>10000	3	0.02	5	0.06
48497		13.2	1	0.31	>10000	3	0.01	4	0.06
48498		13.8	2	0.35	>10000	3	0.02	5	0.06
48499		14.0	2	0.34	>10000	4	0.02	4	0.06
48500		15.5	2	0.31	>10000	4	0.02	5	0.06
48501		11.7	2	0.28	4550	4	0.02	5	0.05
48502		13.7	1	0.43	>10000	3	0.02	6	0.06
48503		15.7	1	0.38	>10000	3	0.01	5	0.06
48504		13.8	2	0.37	>10000	5	0.02	6	0.07
48505		11.9	2	0.32	8920	5	0.01	6	0.07
48506		10.0	2	0.33	>10000	4	0.02	13	0.08
48507		10.8	3	0.34	7510	2	0.02	11	0.08
48508		10.8	2	0.44	6390	6	0.02	10	0.09

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	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
48509		12.1	1	0.52	8590	5	0.02	12	0.10
48510		11.1	2	0.47	7900	1	0.02	12	0.09
48511		11.8	2	0.51	6780	4	0.02	11	0.09
48512		9.9	2	0.45	7430	<1	0.02	11	0.09
48513		10.9	2	0.54	8000	1	0.02	10	0.09
48514		9.0	2	0.54	9330	2	0.02	13	0.09
48515		10.4	2	0.55	>10000	3	0.01	12	0.07
48516		10.7	2	0.31	>10000	5	0.01	5	0.07
48517		8.9	1	0.34	9110	3	0.01	8	0.06
48518		9.8	2	0.37	6330	9	0.02	6	0.07
48519		12.1	1	0.43	7180	3	0.02	7	0.06
48520		10.4	2	0.42	7190	5	0.02	5	0.05
48521		11.3	2	0.52	7900	4	0.02	7	0.08
48522		12.7	1	0.56	9420	8	0.02	8	0.07
48523		10.6	2	0.37	7280	4	0.02	12	0.06
48524		9.1	2	0.44	7870	4	0.02	12	0.04
48525		6.3	2	0.28	5760	6	0.01	11	0.04
48526		11.1	2	0.39	9480	1	0.01	7	0.06
48527		10.4	1	0.34	7620	4	0.01	7	0.04
48528		8.2	1	0.24	7200	3	0.01	6	0.03
48529		8.4	2	0.11	6430	5	0.02	4	0.01
48530		9.0	1	0.16	6800	5	0.02	9	0.05
48531		7.0	1	0.18	7170	15	0.01	7	0.05
48532		10.3	1	0.29	6000	8	0.02	9	0.09
48533		8.7	2	0.37	4300	3	0.02	9	0.09
48534		9.5	2	0.41	4280	7	0.02	9	0.10
48535		9.0	2	0.31	3080	3	0.02	13	0.09
48536		8.8	2	0.32	4390	6	0.02	21	0.09
48537		5.9	2	0.22	3030	16	0.02	10	0.04
48538		7.7	2	0.32	2970	5	0.02	10	0.06
48539		10.1	4	0.31	2840	1	0.02	8	0.08
48540		9.9	4	0.39	3020	3	0.02	8	0.08
48541		9.9	3	0.29	2880	4	0.02	8	0.08
48542		8.9	2	0.30	2760	3	0.02	6	0.08
48543		8.9	3	0.36	3020	17	0.02	7	0.07
48544		7.5	3	0.34	3380	4	0.02	10	0.09
48545		8.0	3	0.32	3770	5	0.02	14	0.07
48546		8.7	3	0.32	3770	8	0.02	17	0.09
48547		9.7	3	0.30	3200	5	0.02	14	0.09
48548		7.5	5	0.32	3830	4	0.02	15	0.11

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	Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
48549		6.5	2	0.26	4200	11	0.02	9	0.09
48550		5.8	4	0.32	3670	9	0.02	25	0.09
48551		5.7	4	0.37	4300	11	0.02	31	0.10
48552		6.2	2	0.24	4230	11	0.02	13	0.10
48553		6.0	3	0.22	2850	6	0.02	22	0.09
48554		5.8	5	0.38	4100	4	0.02	19	0.09
48555		6.2	2	0.32	3460	8	0.02	17	0.08
48556		8.4	2	0.28	2820	6	0.02	22	0.08
48557		7.5	3	0.30	2920	4	0.02	17	0.09
48558		7.5	3	0.36	3480	4	0.02	14	0.09
48559		8.8	4	0.38	4210	3	0.02	17	0.09
48560		7.3	3	0.31	4390	3	0.02	14	0.07
48561		6.2	3	0.28	3420	3	0.02	14	0.06
48562		7.4	3	0.31	3450	4	0.02	11	0.07
48563		5.8	3	0.30	3360	8	0.02	15	0.04
48564		5.2	3	0.36	3880	7	0.02	16	0.05
48565		5.9	3	0.29	4060	5	0.02	12	0.05
48566		7.3	3	0.28	3520	8	0.02	14	0.06
48567		7.0	3	0.33	3630	2	0.02	21	0.05
48568		6.1	3	0.30	3850	4	0.02	21	0.03
48569		8.3	4	0.26	3550	3	0.02	15	0.06
48570		6.3	3	0.20	4760	3	0.02	16	0.02
48571		6.6	3	0.21	5390	3	0.02	13	0.03
48572		6.5	3	0.24	5320	2	0.02	10	0.01
48573		6.5	3	0.18	4120	3	0.02	10	0.03
48574		4.9	3	0.17	2700	2	0.01	11	0.03
48575		5.9	3	0.18	4620	3	0.02	11	0.02
48576		9.0	3	0.22	3950	2	0.02	12	0.05
48577		6.1	2	0.26	4040	2	0.02	11	0.08
48578		6.4	2	0.29	4230	3	0.02	9	0.07
48579		7.1	2	0.23	3590	1	0.02	11	0.09
48580		5.1	1	0.15	3780	3	0.02	9	0.05
48581		5.0	2	0.19	4220	3	0.02	8	0.05
48582		6.9	2	0.10	3700	3	0.01	7	<0.01
48583		6.0	3	0.21	5660	5	0.02	10	0.04
48584		6.3	1	0.09	3270	3	0.01	3	<0.01
48585		8.9	2	0.07	3210	1	0.01	2	<0.01
48586		10.8	3	0.06	2810	2	0.02	2	<0.01
48587		10.3	2	0.04	1770	4	0.01	3	<0.01
48588		6.6	2	0.10	3900	3	0.02	7	0.02

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Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
48589	8.0	1	0.05	4080	1	0.01	5	0.01
48590	7.6	2	0.03	5160	<1	0.01	5	<0.01
48591	10.2	<1	0.03	4760	1	0.02	4	<0.01
48592	8.0	1	0.03	3300	<1	0.02	4	<0.01
48593	8.3	<1	0.03	3910	1	0.02	5	<0.01
48594	8.1	<1	0.04	4970	1	0.02	5	0.02
48595	7.4	<1	0.04	3900	<1	0.01	4	<0.01
48596	6.6	<1	0.05	4340	1	0.01	6	<0.01
48597	7.1	1	0.06	6240	1	0.01	4	0.02
48598	4.9	<1	0.05	4670	<1	0.01	4	0.01
48599	3.8	<1	0.04	3100	<1	0.01	3	<0.01
48600	5.3	<1	0.05	3980	1	0.01	4	<0.01
48651	5.3	<1	0.06	3740	1	0.01	3	0.01
48652	4.1	<1	0.04	3800	1	<0.01	2	0.01

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	Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
	Det.Lim. Units	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
48469		21	0.39	6	2.2	<10	26	<0.01	6
48470		4	0.25	<5	2.2	<10	22	<0.01	8
48471		5	0.25	<5	2.2	<10	24	<0.01	7
48472		5	0.25	<5	2.2	<10	22	<0.01	8
48473		64	0.34	<5	2.3	<10	40	<0.01	9
48474		120	0.35	6	1.9	<10	68	<0.01	6
48475		4	0.29	<5	1.9	<10	71	<0.01	7
48476		16	0.24	5	2.0	<10	87	<0.01	7
48477		449	0.72	15	2.0	<10	80	<0.01	7
48478		325	0.49	8	1.7	<10	108	<0.01	5
48479		194	3.59	14	0.8	<10	37	<0.01	4
48480		182	1.90	16	1.0	<10	30	<0.01	4
48481		175	2.97	38	0.9	<10	22	<0.01	4
48482		152	2.05	23	0.8	<10	15	<0.01	5
48483		106	1.56	6	0.8	<10	16	<0.01	5
48484		192	1.40	10	0.9	<10	15	<0.01	5
48485		408	1.92	23	1.1	<10	56	<0.01	5
48486		503	0.57	18	1.9	<10	82	<0.01	7
48487		337	0.76	8	1.0	<10	32	<0.01	7
48488		346	0.99	26	1.1	<10	23	<0.01	8
48489		373	1.79	25	0.9	<10	18	<0.01	7
48490		103	1.62	32	1.0	<10	14	<0.01	7
48491		84	2.01	33	1.0	<10	12	<0.01	8
48492		111	1.29	34	0.7	<10	9	<0.01	5
48493		403	2.39	35	0.8	<10	9	<0.01	5
48494		963	1.91	43	0.9	<10	13	<0.01	6
48495		1180	2.17	49	0.9	<10	11	<0.01	6
48496		260	2.06	21	0.8	<10	12	<0.01	6
48497		373	2.69	12	0.8	<10	11	<0.01	6
48498		673	2.59	40	1.0	<10	15	<0.01	8
48499		368	2.24	32	1.0	<10	14	<0.01	7
48500		385	2.30	17	1.0	<10	17	<0.01	8
48501		1320	2.62	27	0.8	<10	18	<0.01	7
48502		898	2.25	27	1.0	<10	18	<0.01	9
48503		417	1.43	15	1.0	<10	16	<0.01	7
48504		398	2.24	18	1.0	<10	22	<0.01	10
48505		188	1.64	19	1.0	<10	19	<0.01	9
48506		349	1.15	14	1.3	<10	39	<0.01	12
48507		137	1.58	11	1.4	<10	33	<0.01	14
48508		157	1.74	12	1.3	<10	23	<0.01	13

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	Element Method Det.Lim. Units	Pb@ GE_ICP14B 2 ppm	S@ GE_ICP14B 0.01 %	Sb@ GE_ICP14B 5 ppm	Sc@ GE_ICP14B 0.5 ppm	Sn@ GE_ICP14B 10 ppm	Sr@ GE_ICP14B 5 ppm	Ti@ GE_ICP14B 0.01 %	V@ GE_ICP14B 1 ppm
48509		193	1.00	10	1.5	<10	28	<0.01	13
48510		179	1.60	11	1.4	<10	27	<0.01	12
48511		265	2.12	15	1.2	<10	27	<0.01	11
48512		275	1.95	22	1.3	<10	23	<0.01	10
48513		148	1.35	15	1.1	<10	23	<0.01	10
48514		414	1.62	19	1.0	<10	23	<0.01	8
48515		455	1.36	15	1.0	<10	24	<0.01	8
48516		370	1.43	27	0.8	<10	17	<0.01	6
48517		149	1.55	15	0.9	<10	40	<0.01	7
48518		150	1.42	12	0.9	<10	33	<0.01	8
48519		316	1.98	11	0.9	<10	22	<0.01	9
48520		165	1.21	9	0.7	<10	22	<0.01	8
48521		273	1.70	10	1.0	<10	22	<0.01	9
48522		243	1.22	7	0.9	<10	26	<0.01	9
48523		349	2.48	10	0.8	<10	32	<0.01	8
48524		138	1.04	<5	0.7	<10	82	<0.01	8
48525		114	1.68	<5	0.6	<10	32	<0.01	7
48526		384	1.29	6	0.6	<10	31	<0.01	6
48527		402	0.82	7	0.5	<10	20	<0.01	5
48528		615	0.99	8	<0.5	<10	22	<0.01	5
48529		873	4.05	5	0.6	<10	19	<0.01	6
48530		376	3.32	17	0.9	<10	21	<0.01	8
48531		320	1.26	17	0.7	<10	31	<0.01	7
48532		218	1.75	16	0.9	<10	34	<0.01	8
48533		179	1.94	6	1.0	<10	32	<0.01	10
48534		182	2.04	8	0.9	<10	31	<0.01	9
48535		137	2.67	10	0.8	<10	25	<0.01	7
48536		292	2.06	11	0.8	<10	32	<0.01	8
48537		283	2.65	15	0.7	<10	24	<0.01	9
48538		182	1.89	9	1.1	<10	35	<0.01	13
48539		81	1.17	7	1.0	<10	34	<0.01	11
48540		59	1.69	8	1.1	<10	35	<0.01	11
48541		102	2.11	11	0.9	<10	31	<0.01	10
48542		64	1.65	8	0.9	<10	27	<0.01	9
48543		57	1.60	12	0.9	<10	36	<0.01	10
48544		71	1.75	9	1.0	<10	43	<0.01	10
48545		87	1.89	14	0.8	<10	35	<0.01	9
48546		88	1.86	13	0.9	<10	38	<0.01	11
48547		96	1.89	11	1.1	<10	30	<0.01	9
48548		135	2.27	19	1.1	<10	37	<0.01	10

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		2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
48549		282	2.60	7	1.0	<10	32	<0.01	9
48550		144	1.24	5	1.1	<10	42	<0.01	12
48551		296	1.26	6	1.1	<10	52	<0.01	11
48552		209	2.83	7	0.9	<10	32	<0.01	9
48553		1160	3.42	10	0.9	<10	43	<0.01	11
48554		260	1.71	7	1.2	<10	46	<0.01	17
48555		213	1.71	6	0.8	<10	38	<0.01	9
48556		257	1.70	5	0.8	<10	43	<0.01	10
48557		76	1.73	7	0.9	<10	36	<0.01	10
48558		70	1.55	7	0.9	<10	32	<0.01	11
48559		498	3.53	21	1.1	<10	35	<0.01	12
48560		162	1.68	7	1.2	<10	38	<0.01	12
48561		194	2.02	6	1.0	<10	40	<0.01	10
48562		83	1.45	5	1.1	<10	33	<0.01	13
48563		84	1.36	<5	1.0	<10	35	<0.01	13
48564		103	1.19	<5	1.1	<10	52	<0.01	12
48565		100	1.44	<5	0.9	<10	47	<0.01	10
48566		154	2.25	9	0.9	<10	40	<0.01	10
48567		110	1.65	6	1.0	<10	44	<0.01	12
48568		105	1.88	6	1.0	<10	43	<0.01	14
48569		66	0.94	5	1.0	<10	44	<0.01	11
48570		103	1.05	6	0.9	<10	72	<0.01	10
48571		92	0.86	<5	1.0	<10	83	<0.01	12
48572		131	1.36	5	1.0	<10	80	<0.01	10
48573		95	1.34	<5	0.9	<10	78	<0.01	10
48574		148	3.85	20	0.7	<10	52	<0.01	9
48575		167	1.91	5	0.9	<10	66	<0.01	13
48576		188	0.55	<5	1.1	<10	93	<0.01	13
48577		165	1.67	<5	0.9	<10	45	<0.01	11
48578		159	1.46	<5	0.9	<10	54	<0.01	10
48579		186	1.89	7	0.9	<10	44	<0.01	9
48580		572	2.01	21	0.7	<10	68	<0.01	7
48581		180	1.52	<5	0.7	<10	60	<0.01	7
48582		158	1.00	<5	<0.5	<10	57	<0.01	3
48583		203	1.40	<5	0.6	<10	65	<0.01	7
48584		142	0.96	7	<0.5	<10	40	<0.01	2
48585		158	0.60	6	<0.5	<10	45	<0.01	1
48586		152	0.77	<5	<0.5	<10	45	<0.01	2
48587		143	0.63	<5	<0.5	<10	50	<0.01	1
48588		113	0.88	6	<0.5	<10	57	<0.01	4

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Element	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
Method	2	0.01	5	0.5	10	5	0.01	1
Det.Lim.								
Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm
48589	363	1.97	9	<0.5	<10	36	<0.01	3
48590	131	2.71	<5	<0.5	<10	34	<0.01	2
48591	69	2.39	<5	<0.5	<10	33	<0.01	2
48592	256	2.50	5	<0.5	<10	26	<0.01	1
48593	569	2.36	7	<0.5	<10	23	<0.01	1
48594	447	2.06	<5	<0.5	<10	27	<0.01	1
48595	336	1.91	10	<0.5	<10	32	<0.01	1
48596	496	1.53	16	<0.5	<10	32	<0.01	1
48597	385	0.61	17	<0.5	<10	38	<0.01	1
48598	231	0.67	6	<0.5	<10	21	<0.01	1
48599	248	0.76	6	<0.5	<10	18	<0.01	<1
48600	466	1.16	8	<0.5	<10	23	<0.01	1
48651	669	1.35	10	<0.5	<10	31	<0.01	1
48652	422	0.87	6	<0.5	<10	15	<0.01	<1

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Element	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B
Method	10 ppm	0.5 ppm	1 ppm	0.5 ppm
Det.Lim.				
Units				
48469	<10	6.3	101	7.4
48470	<10	6.6	79	7.7
48471	<10	6.7	101	7.8
48472	<10	6.2	80	7.7
48473	<10	6.7	175	7.4
48474	<10	4.7	248	7.5
48475	<10	3.7	48	7.0
48476	<10	4.0	119	6.9
48477	<10	4.9	655	7.4
48478	<10	4.3	672	5.6
48479	<10	6.3	1000	7.8
48480	<10	7.0	3420	7.6
48481	<10	5.8	2840	8.7
48482	<10	4.4	2850	7.2
48483	<10	4.2	3030	5.8
48484	<10	5.4	2900	5.9
48485	<10	4.2	3050	6.5
48486	<10	3.9	1540	6.2
48487	<10	4.2	2590	6.4
48488	<10	4.2	1020	5.6
48489	<10	4.1	2720	5.6
48490	<10	4.6	1190	6.4
48491	<10	4.2	1270	6.5
48492	<10	3.8	724	5.2
48493	<10	4.8	1390	6.3
48494	<10	4.9	1650	5.8
48495	<10	4.6	3060	6.1
48496	<10	4.1	1470	6.1
48497	<10	3.9	1270	6.2
48498	<10	4.4	2110	6.7
48499	<10	4.7	1700	6.8
48500	<10	4.4	1830	5.6
48501	<10	3.4	2110	5.5
48502	<10	4.7	1610	4.9
48503	<10	5.9	1640	4.9
48504	<10	5.6	2080	6.1
48505	<10	4.9	1190	5.5
48506	<10	4.6	1230	4.6
48507	<10	5.1	2830	4.7
48508	<10	4.8	1360	5.0

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Report File No.: 0000008042

	Element Method Det.Lim. Units	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B
		10 ppm	0.5 ppm	1 ppm	0.5 ppm
48509		<10	4.6	710	4.9
48510		<10	4.7	1480	4.7
48511		<10	5.2	3180	5.5
48512		<10	4.7	1820	4.8
48513		<10	4.7	1700	4.5
48514		<10	5.6	1590	4.2
48515		<10	5.3	1610	5.1
48516		<10	5.3	1910	5.3
48517		<10	5.2	909	4.1
48518		<10	5.0	803	5.7
48519		<10	5.5	872	5.1
48520		<10	5.1	702	5.6
48521		<10	5.1	901	5.6
48522		<10	5.2	1050	5.1
48523		<10	4.1	1140	5.2
48524		<10	4.4	884	4.6
48525		<10	3.8	1020	5.8
48526		<10	4.3	1620	5.7
48527		<10	3.1	1710	4.1
48528		<10	2.8	1760	4.3
48529		<10	2.6	1430	7.0
48530		<10	3.9	1060	6.5
48531		<10	3.8	871	4.9
48532		<10	5.4	478	5.7
48533		<10	5.6	625	6.0
48534		<10	5.7	521	6.4
48535		<10	4.9	800	6.6
48536		<10	5.9	1400	6.3
48537		<10	3.7	1760	6.5
48538		<10	5.4	1090	5.9
48539		<10	4.8	543	5.1
48540		<10	5.2	540	6.2
48541		<10	4.8	704	5.2
48542		<10	4.8	728	5.9
48543		<10	4.8	1030	6.6
48544		<10	4.9	950	5.3
48545		<10	4.0	1020	6.3
48546		<10	4.2	921	5.7
48547		<10	4.3	918	6.6
48548		<10	4.9	1050	6.8

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Element Method Det.Lim. Units	W@ GE_ICP14B 10 ppm	Y@ GE_ICP14B 0.5 ppm	Zn@ GE_ICP14B 1 ppm	Zr@ GE_ICP14B 0.5 ppm
48549	<10	4.0	1180	5.0
48550	<10	4.0	499	5.7
48551	<10	4.2	1190	5.6
48552	<10	4.8	924	5.5
48553	<10	3.9	2330	5.4
48554	<10	4.1	812	5.0
48555	<10	3.9	611	4.6
48556	<10	4.5	1480	5.8
48557	<10	4.7	683	5.0
48558	<10	4.2	241	4.5
48559	<10	5.2	616	5.9
48560	<10	5.3	918	5.9
48561	<10	4.8	647	4.9
48562	<10	4.7	866	5.0
48563	<10	3.6	692	4.2
48564	<10	4.2	739	4.5
48565	<10	4.0	476	4.4
48566	<10	4.5	520	5.4
48567	<10	4.4	840	4.5
48568	<10	3.5	576	4.0
48569	<10	4.1	622	4.3
48570	<10	2.6	923	4.1
48571	<10	3.4	629	3.7
48572	<10	3.4	304	3.3
48573	<10	3.3	773	4.5
48574	<10	2.8	1140	5.2
48575	<10	2.8	1200	4.3
48576	<10	4.1	772	4.2
48577	<10	5.0	925	4.4
48578	<10	5.0	895	4.1
48579	<10	5.0	753	3.7
48580	<10	3.8	744	3.9
48581	<10	4.3	711	4.0
48582	<10	1.8	792	5.3
48583	<10	3.4	523	4.3
48584	<10	1.9	842	7.1
48585	<10	2.1	560	7.2
48586	<10	1.8	381	7.0
48587	<10	1.6	329	6.1
48588	<10	2.4	509	6.0

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Final : VC142185 Order: Batch#5 48469 to 48600, 48651-48652

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Element	W@	Y@	Zn@	Zr@
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	10	0.5	1	0.5
Units	ppm	ppm	ppm	ppm
48589	<10	2.4	1390	8.2
48590	<10	1.9	297	10.3
48591	<10	2.1	91	10.4
48592	<10	2.1	24	9.7
48593	<10	2.1	2160	10.2
48594	<10	2.6	276	10.1
48595	<10	2.2	1030	10.6
48596	<10	2.3	1350	9.0
48597	<10	2.5	1040	7.8
48598	<10	1.9	312	6.8
48599	<10	1.3	334	5.8
48600	<10	1.8	442	8.8
48651	<10	1.9	995	7.9
48652	<10	1.4	953	6.6

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## Certificate of Analysis

Work Order : VC143741

[Report File No.: 0000009779]

To: Peter Holbek  
COPPER MOUNTAIN MINE (BC) LTD  
1700-700 WEST PENDER STREET  
VANCOUVER BC V6C 1G8

Date: Dec 15, 2014

P.O. No. : B00230001-B00230074  
Project No. : FENTON PROJECT  
No. Of Samples : 74  
Date Submitted : Nov 26, 2014  
Report Comprises : Pages 1 to 11  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files:

Certified By :



Cam Chiang  
Assistant Operations Manager

**SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>**

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	WtKg G_WGH79	@Au GE_FAA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
B00230001	5.875	44	9	0.47	81	76	<0.5	<5
B00230002	5.755	<5	2	0.51	37	72	<0.5	7
B00230003	5.625	5	<2	0.55	14	82	<0.5	8
B00230004	5.470	<5	<2	0.55	38	68	<0.5	7
B00230005	5.695	<5	<2	0.56	67	53	<0.5	10
B00230006	5.730	8	<2	0.54	141	76	<0.5	18
B00230007	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230008	5.690	56	3	0.56	212	61	<0.5	6
B00230009	5.625	45	<2	0.56	70	71	<0.5	9
B00230010	5.790	54	3	0.60	97	63	<0.5	15
B00230011	5.770	24	2	0.42	33	98	<0.5	9
B00230012	5.810	165	12	0.42	266	88	<0.5	37
B00230013	3.545	66	3	0.38	270	43	<0.5	8
B00230014	5.520	37	<2	0.52	61	214	0.5	5
B00230015	5.430	78	<2	0.71	50	277	<0.5	<5
B00230016	5.345	80	<2	0.79	74	382	0.5	41
B00230017	5.355	38	<2	0.70	45	167	<0.5	7
B00230018	5.710	40	<2	0.65	134	125	<0.5	<5
B00230019	5.765	23	<2	0.50	127	97	<0.5	<5
B00230020	5.565	36	<2	0.60	136	163	<0.5	6
B00230021	5.795	14	<2	0.57	116	116	<0.5	9
B00230022	5.500	<5	<2	0.49	117	216	<0.5	6
B00230023	5.640	10	<2	0.58	164	106	<0.5	8
B00230024	5.795	25	<2	0.66	112	89	<0.5	9
B00230025	5.905	34	<2	0.50	68	59	<0.5	22
B00230026	5.780	51	<2	0.61	321	44	<0.5	24
B00230027	5.675	11	<2	0.60	99	64	<0.5	29
B00230028	5.970	106	3	0.47	55	58	<0.5	9
B00230029	5.760	10	<2	0.50	62	56	<0.5	10
B00230030	5.635	10	<2	0.50	24	112	<0.5	8
B00230031	5.510	10	<2	0.46	31	60	<0.5	18
B00230032	5.660	13	<2	0.48	50	62	<0.5	26
B00230033	5.615	18	<2	0.45	220	54	<0.5	25
B00230034	5.325	21	<2	0.59	36	104	<0.5	22
B00230035	5.500	16	<2	0.59	29	98	<0.5	13
B00230036	5.330	50	5	0.56	55	67	<0.5	45
B00230037	5.290	19	<2	0.55	59	63	<0.5	11
B00230038	5.525	22	<2	0.54	57	76	<0.5	14
B00230039	5.405	37	6	0.52	170	85	<0.5	19
B00230040	5.745	62	6	0.45	2040	78	<0.5	11

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Report File No.: 0000009779

Element Method Det.Lim. Units	WtKg G_WGH79	@Au GE_FA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
B00230041	5.310	108	2	0.53	670	119	<0.5	<5
B00230042	4.920	23	3	0.51	263	258	<0.5	<5
B00230043	5.215	6	2	0.57	99	307	<0.5	<5
B00230044	4.480	17	2	0.66	322	238	<0.5	5
B00230045	5.515	12	<2	0.52	105	390	<0.5	<5
B00230046	5.105	18	<2	0.76	970	448	<0.5	<5
B00230047	5.310	22	3	0.56	1340	338	<0.5	<5
B00230048	4.860	<5	2	0.55	55	274	<0.5	6
B00230049	5.180	11	<2	0.56	736	469	<0.5	5
B00230050	4.750	10	<2	0.60	633	87	<0.5	<5
B00230051	4.700	18	<2	0.61	990	77	<0.5	<5
B00230052	4.890	11	<2	0.60	315	71	<0.5	7
B00230053	4.980	19	<2	0.63	3190	54	<0.5	<5
B00230054	4.480	<5	<2	0.64	92	55	<0.5	9
B00230055	4.570	10	<2	0.70	66	75	<0.5	14
B00230056	5.025	9	4	0.55	89	62	<0.5	33
B00230057	4.790	45	6	0.51	3510	54	<0.5	28
B00230058	5.115	44	2	0.50	6270	61	<0.5	9
B00230059	5.175	21	3	0.58	221	85	<0.5	10
B00230060	4.980	19	4	0.51	300	96	<0.5	13
B00230061	4.960	7	<2	0.56	366	89	<0.5	5
B00230062	5.055	29	<2	0.61	4070	70	<0.5	7
B00230063	5.445	58	<2	0.63	7530	91	<0.5	<5
B00230064	5.360	<5	<2	0.59	30	104	<0.5	<5
B00230065	5.355	7	2	0.57	230	105	<0.5	<5
B00230066	5.665	83	4	0.51	2800	78	<0.5	34
B00230067	4.995	10	<2	0.52	482	97	<0.5	<5
B00230068	5.485	13	3	0.56	427	107	<0.5	6
B00230069	5.445	14	2	0.52	266	131	<0.5	<5
B00230070	5.315	20	3	0.55	406	149	<0.5	8
B00230071	5.590	17	5	0.54	419	254	<0.5	19
B00230072	5.430	21	4	0.63	796	246	<0.5	11
B00230073	5.515	26	5	0.47	806	254	<0.5	24
B00230074	5.245	11	<2	0.56	489	244	<0.5	10

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	Element Method Det.Lim. Units	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
B00230001		0.14	5	12	5	471	6.96	<1	0.34
B00230002		0.11	8	14	5	44.7	6.56	<1	0.35
B00230003		0.12	6	9	5	45.0	6.18	<1	0.37
B00230004		0.20	6	11	4	19.1	5.89	<1	0.36
B00230005		0.20	7	8	5	25.3	6.55	<1	0.36
B00230006		0.14	10	9	5	45.1	6.68	<1	0.39
B00230007		LNR	LNR						
B00230008		0.22	14	18	5	129	6.79	<1	0.42
B00230009		0.26	3	14	5	19.1	5.89	<1	0.43
B00230010		0.13	13	26	4	69.9	7.11	<1	0.46
B00230011		0.11	6	7	4	45.6	4.57	<1	0.31
B00230012		0.10	4	10	5	119	4.71	<1	0.32
B00230013		0.11	7	8	4	54.6	4.41	<1	0.31
B00230014		0.13	5	8	5	34.0	3.91	<1	0.36
B00230015		0.10	10	8	6	84.6	3.29	<1	0.50
B00230016		0.17	7	4	7	133	4.06	<1	0.47
B00230017		0.14	3	5	4	66.6	4.48	<1	0.48
B00230018		0.15	3	6	4	19.3	4.17	<1	0.46
B00230019		0.16	3	7	3	17.5	4.19	<1	0.37
B00230020		0.16	8	2	4	104	3.94	<1	0.44
B00230021		0.16	3	8	4	21.3	4.88	<1	0.42
B00230022		0.14	2	5	3	5.6	3.34	<1	0.36
B00230023		0.16	17	3	4	98.6	4.88	<1	0.40
B00230024		0.16	10	13	5	68.0	4.70	<1	0.47
B00230025		0.12	8	9	4	8.0	5.53	<1	0.36
B00230026		0.16	16	6	5	21.5	5.97	<1	0.42
B00230027		0.16	4	4	5	8.9	4.88	<1	0.41
B00230028		0.15	3	4	4	47.7	5.15	<1	0.34
B00230029		0.13	5	3	5	19.7	6.14	<1	0.37
B00230030		0.09	3	5	5	16.2	4.49	<1	0.39
B00230031		0.13	3	3	4	14.5	4.74	<1	0.34
B00230032		0.09	3	4	6	17.7	6.06	<1	0.37
B00230033		0.09	3	9	5	21.0	5.40	<1	0.35
B00230034		0.11	2	6	5	8.7	3.31	<1	0.40
B00230035		0.22	2	3	5	7.5	4.25	<1	0.40
B00230036		0.09	5	6	6	37.7	6.17	<1	0.40
B00230037		0.19	3	3	5	9.1	5.67	<1	0.39
B00230038		0.14	3	4	6	7.1	5.13	<1	0.39
B00230039		0.18	8	2	5	128	3.67	<1	0.40
B00230040		0.21	17	5	5	82.5	4.50	<1	0.40

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	Element Method Det.Lim. Units	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
B00230041		0.77	11	10	5	39.3	3.97	<1	0.41
B00230042		0.22	13	5	4	55.0	4.12	<1	0.41
B00230043		0.25	8	4	5	39.5	4.20	<1	0.44
B00230044		0.23	9	5	5	40.0	3.54	<1	0.50
B00230045		0.26	8	3	4	35.9	3.66	<1	0.42
B00230046		0.26	6	7	5	31.0	3.39	<1	0.54
B00230047		0.28	9	6	5	48.9	4.01	<1	0.45
B00230048		0.21	10	3	4	49.2	3.76	<1	0.43
B00230049		0.23	8	5	5	34.6	3.67	<1	0.40
B00230050		0.18	6	5	6	28.4	2.79	<1	0.42
B00230051		0.21	8	8	4	44.2	4.65	<1	0.46
B00230052		0.17	11	5	5	60.6	4.93	<1	0.45
B00230053		0.13	8	15	6	38.1	4.36	<1	0.48
B00230054		0.15	9	4	4	42.9	4.40	<1	0.47
B00230055		0.22	11	3	7	44.4	4.89	<1	0.46
B00230056		0.21	19	7	7	82.4	6.00	<1	0.45
B00230057		0.23	14	21	6	91.9	5.56	<1	0.44
B00230058		0.19	10	24	7	49.4	4.47	<1	0.40
B00230059		0.20	11	4	7	63.4	4.34	<1	0.41
B00230060		0.25	9	4	5	62.7	5.11	<1	0.40
B00230061		0.25	14	4	6	55.2	5.44	<1	0.42
B00230062		0.20	15	15	6	50.3	4.88	<1	0.47
B00230063		0.25	14	30	7	43.1	5.70	<1	0.40
B00230064		0.24	10	4	7	63.7	5.82	<1	0.32
B00230065		0.25	10	5	8	58.0	6.00	<1	0.40
B00230066		0.23	13	15	7	79.0	5.60	<1	0.38
B00230067		0.20	12	7	5	67.1	4.31	<1	0.32
B00230068		0.20	8	8	5	62.4	4.51	<1	0.36
B00230069		0.20	10	5	6	59.0	4.39	<1	0.33
B00230070		0.19	10	5	5	50.4	4.05	<1	0.37
B00230071		0.20	12	4	5	52.5	4.10	<1	0.37
B00230072		0.20	9	4	5	55.6	4.49	<1	0.43
B00230073		0.19	10	4	4	46.6	3.96	<1	0.35
B00230074		0.41	11	3	5	48.4	4.11	<1	0.40

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	Element Method Det.Lim. Units	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
B00230001		5.0	2	0.07	5240	5	0.02	18	0.04
B00230002		6.4	2	0.06	3280	8	0.02	17	0.03
B00230003		8.1	1	0.07	3880	12	0.02	19	0.03
B00230004		8.5	2	0.06	2890	26	0.02	27	0.07
B00230005		6.1	2	0.12	3940	4	0.02	17	0.07
B00230006		11.7	2	0.17	6210	<1	0.02	15	0.05
B00230007		LNR	LNR						
B00230008		4.4	1	0.53	>10000	10	0.02	15	0.05
B00230009		6.4	1	0.45	9460	12	0.02	14	0.07
B00230010		6.0	2	0.17	7330	11	0.02	17	0.03
B00230011		4.6	1	0.10	6210	19	0.02	12	0.03
B00230012		5.4	1	0.05	3230	8	0.02	12	0.03
B00230013		5.4	1	0.12	>10000	10	0.02	14	0.02
B00230014		9.8	1	0.16	9020	18	0.02	14	0.03
B00230015		2.6	2	0.11	6990	4	0.02	14	0.02
B00230016		4.0	4	0.16	4370	4	0.02	8	0.05
B00230017		6.9	1	0.14	6160	29	0.02	8	0.03
B00230018		4.9	1	0.07	2680	4	0.02	7	0.05
B00230019		4.2	2	0.07	3140	7	0.02	6	0.06
B00230020		5.3	1	0.12	3770	2	0.02	7	0.05
B00230021		7.2	<1	0.14	3730	2	0.02	7	0.05
B00230022		4.8	1	0.11	3400	1	0.02	6	0.04
B00230023		6.5	<1	0.17	3650	2	0.02	8	0.05
B00230024		5.7	1	0.12	3170	3	0.02	7	0.05
B00230025		6.8	2	0.05	755	2	0.02	7	0.05
B00230026		7.3	2	0.07	314	1	0.02	7	0.04
B00230027		9.5	2	0.08	3690	1	0.02	7	0.05
B00230028		8.6	1	0.06	1590	2	0.02	7	0.05
B00230029		8.1	<1	0.07	1190	1	0.02	7	0.05
B00230030		8.3	1	0.06	2430	2	0.02	8	0.02
B00230031		10.6	<1	0.05	731	1	0.02	8	0.04
B00230032		9.2	<1	0.05	354	<1	0.02	9	0.03
B00230033		11.1	<1	0.05	2270	<1	0.02	8	0.03
B00230034		10.8	<1	0.07	1430	<1	0.02	7	0.04
B00230035		9.7	1	0.06	1720	1	0.02	8	0.04
B00230036		8.6	1	0.05	458	5	0.02	8	0.03
B00230037		8.0	1	0.06	382	<1	0.02	7	0.05
B00230038		5.5	1	0.07	2680	1	0.02	8	0.05
B00230039		4.8	<1	0.16	6170	<1	0.02	7	0.05
B00230040		6.3	<1	0.25	8240	<1	0.02	8	0.05

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Element Method Det.Lim. Units	La@ GE_ICP14B 0.5 ppm	Li@ GE_ICP14B 1 ppm	Mg@ GE_ICP14B 0.01 %	Mn@ GE_ICP14B 2 ppm	Mo@ GE_ICP14B 1 ppm	Na@ GE_ICP14B 0.01 %	Ni@ GE_ICP14B 1 ppm	P@ GE_ICP14B 0.01 %
B00230041	13.4	<1	0.21	4750	4	0.01	16	0.04
B00230042	5.3	<1	0.23	5650	1	0.02	9	0.05
B00230043	7.5	1	0.24	4570	<1	0.02	9	0.06
B00230044	8.3	<1	0.20	4780	2	0.02	8	0.05
B00230045	6.4	<1	0.24	5220	1	0.02	7	0.06
B00230046	6.5	2	0.23	3630	1	0.02	8	0.06
B00230047	6.4	1	0.25	7060	<1	0.02	8	0.05
B00230048	5.6	1	0.21	3190	1	0.02	8	0.05
B00230049	4.8	2	0.25	3900	2	0.02	8	0.06
B00230050	5.2	1	0.22	2920	3	0.02	7	0.05
B00230051	4.2	1	0.28	4200	2	0.02	7	0.06
B00230052	4.1	1	0.23	3890	3	0.02	8	0.04
B00230053	4.5	1	0.22	3090	2	0.02	8	0.04
B00230054	4.6	1	0.30	2990	1	0.02	7	0.04
B00230055	5.0	2	0.35	4080	1	0.02	11	0.06
B00230056	3.9	<1	0.37	4070	<1	0.02	12	0.07
B00230057	4.0	<1	0.26	4170	2	0.02	12	0.07
B00230058	3.5	<1	0.25	3610	3	0.02	11	0.06
B00230059	3.7	2	0.28	3510	2	0.02	10	0.06
B00230060	2.7	<1	0.31	4510	2	0.02	11	0.06
B00230061	4.2	1	0.35	4550	4	0.02	11	0.06
B00230062	5.5	<1	0.27	3460	1	0.02	11	0.06
B00230063	5.0	3	0.40	4600	<1	0.02	13	0.07
B00230064	3.5	3	0.43	4340	<1	0.02	15	0.07
B00230065	4.2	2	0.44	4770	<1	0.02	15	0.07
B00230066	3.7	1	0.27	4160	<1	0.02	14	0.07
B00230067	3.4	2	0.28	3790	3	0.02	10	0.06
B00230068	3.6	2	0.25	3040	5	0.02	10	0.06
B00230069	3.6	2	0.27	3870	5	0.02	10	0.06
B00230070	4.3	2	0.24	3630	3	0.02	10	0.05
B00230071	5.2	2	0.33	3620	2	0.02	10	0.05
B00230072	4.1	2	0.34	3600	3	0.02	9	0.05
B00230073	4.6	2	0.29	3400	3	0.02	8	0.05
B00230074	4.9	2	0.42	2990	3	0.02	10	0.06

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	Element Method Det.Lim. Units	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
		2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
B00230001		145	>5.00	79	0.6	<10	129	<0.01	7
B00230002		59	>5.00	36	0.6	<10	122	<0.01	7
B00230003		7	>5.00	17	0.7	<10	122	<0.01	8
B00230004		22	>5.00	9	0.7	<10	106	<0.01	8
B00230005		16	>5.00	6	0.8	<10	119	<0.01	10
B00230006		41	4.69	11	0.7	<10	103	<0.01	8
B00230007		LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230008		33	3.51	12	0.8	<10	76	<0.01	9
B00230009		23	1.80	9	0.7	<10	76	<0.01	8
B00230010		118	>5.00	20	0.7	<10	109	<0.01	7
B00230011		44	3.35	11	<0.5	<10	91	<0.01	6
B00230012		887	4.10	109	<0.5	<10	87	<0.01	7
B00230013		61	2.91	24	0.5	<10	88	<0.01	6
B00230014		68	1.86	30	0.8	<10	114	<0.01	7
B00230015		178	1.50	64	2.1	<10	134	<0.01	10
B00230016		51	1.34	17	1.6	<10	123	<0.01	16
B00230017		87	2.98	18	0.8	<10	104	<0.01	8
B00230018		189	3.79	13	0.6	<10	88	<0.01	6
B00230019		88	3.85	7	0.6	<10	73	<0.01	5
B00230020		93	2.99	6	0.6	<10	69	<0.01	6
B00230021		26	3.60	7	0.5	<10	66	<0.01	6
B00230022		16	2.40	<5	0.6	<10	77	<0.01	5
B00230023		22	3.77	<5	0.5	<10	75	<0.01	5
B00230024		35	3.93	5	0.5	<10	57	<0.01	6
B00230025		58	>5.00	7	<0.5	<10	45	<0.01	5
B00230026		60	>5.00	11	<0.5	<10	38	<0.01	5
B00230027		17	4.50	6	<0.5	<10	41	<0.01	6
B00230028		11	4.99	22	<0.5	<10	47	<0.01	5
B00230029		18	>5.00	8	<0.5	<10	38	<0.01	5
B00230030		14	4.28	7	<0.5	<10	52	<0.01	5
B00230031		14	4.58	7	<0.5	<10	71	<0.01	4
B00230032		21	>5.00	11	<0.5	<10	37	<0.01	6
B00230033		8	4.98	6	<0.5	<10	18	<0.01	3
B00230034		6	3.16	<5	<0.5	<10	56	<0.01	5
B00230035		7	4.07	5	<0.5	<10	43	<0.01	8
B00230036		75	>5.00	30	<0.5	<10	16	<0.01	4
B00230037		16	>5.00	9	<0.5	<10	25	<0.01	5
B00230038		50	4.72	10	<0.5	<10	44	<0.01	6
B00230039		184	2.23	17	0.6	<10	41	<0.01	6
B00230040		391	2.28	15	0.5	<10	30	<0.01	4

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Element Method Det.Lim. Units	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
B00230041	449	1.51	26	0.7	<10	44	<0.01	8
B00230042	319	1.56	14	0.7	<10	98	<0.01	7
B00230043	99	1.29	11	1.0	<10	82	<0.01	10
B00230044	144	1.41	11	0.9	<10	70	<0.01	7
B00230045	101	1.20	12	0.9	<10	78	<0.01	6
B00230046	99	1.36	10	1.0	<10	73	<0.01	7
B00230047	341	1.49	14	0.8	<10	80	<0.01	5
B00230048	76	1.70	10	0.8	<10	66	<0.01	6
B00230049	74	1.15	10	0.8	<10	75	<0.01	8
B00230050	62	1.04	6	0.7	<10	34	<0.01	8
B00230051	104	1.95	10	0.7	<10	34	<0.01	9
B00230052	138	2.17	11	0.7	<10	25	<0.01	8
B00230053	97	1.83	13	0.7	<10	15	<0.01	9
B00230054	101	2.10	11	0.7	<10	16	<0.01	8
B00230055	97	1.62	13	1.2	<10	44	<0.01	14
B00230056	278	2.83	29	0.8	<10	23	<0.01	10
B00230057	432	2.94	31	0.6	<10	23	<0.01	9
B00230058	150	2.11	18	0.8	<10	26	<0.01	11
B00230059	201	1.70	16	0.9	<10	39	<0.01	11
B00230060	314	1.88	20	0.9	<10	52	<0.01	9
B00230061	147	2.22	10	1.0	<10	49	<0.01	11
B00230062	114	2.63	13	0.9	<10	31	<0.01	10
B00230063	128	2.20	13	1.3	<10	45	<0.01	14
B00230064	154	2.17	12	1.5	<10	74	<0.01	17
B00230065	151	2.21	21	1.5	<10	60	<0.01	16
B00230066	227	2.95	19	1.1	<10	43	<0.01	13
B00230067	84	1.34	9	1.1	<10	51	<0.01	11
B00230068	200	2.05	11	0.8	<10	49	<0.01	9
B00230069	338	1.71	5	1.0	<10	50	<0.01	10
B00230070	299	1.66	11	0.9	<10	56	<0.01	9
B00230071	359	1.46	11	0.9	<10	53	<0.01	9
B00230072	275	1.87	8	0.9	<10	48	<0.01	9
B00230073	366	1.71	10	0.9	<10	47	<0.01	8
B00230074	216	1.72	7	1.0	<10	47	<0.01	9

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Element Method Det.Lim. Units	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B
B00230001	<10	4.4	431	5.1
B00230002	<10	3.3	1040	5.7
B00230003	<10	4.1	637	5.9
B00230004	<10	6.4	616	7.5
B00230005	<10	5.8	684	5.9
B00230006	<10	4.3	1840	5.0
B00230007	LNR	LNR	LNR	LNR
B00230008	<10	3.5	2390	6.3
B00230009	<10	4.4	230	5.1
B00230010	<10	3.9	2180	6.4
B00230011	<10	2.9	966	5.8
B00230012	<10	3.2	319	5.5
B00230013	<10	2.9	841	4.8
B00230014	<10	4.0	728	5.0
B00230015	<10	3.7	1690	7.1
B00230016	<10	6.1	1620	6.0
B00230017	<10	4.9	285	6.4
B00230018	<10	4.8	243	6.4
B00230019	<10	5.7	141	6.7
B00230020	<10	5.8	1470	6.9
B00230021	<10	5.8	158	6.6
B00230022	<10	5.2	73	6.4
B00230023	<10	5.2	2790	7.4
B00230024	<10	5.3	1400	7.7
B00230025	<10	4.0	628	7.9
B00230026	<10	3.3	2310	9.2
B00230027	<10	5.3	265	8.2
B00230028	<10	4.6	63	8.2
B00230029	<10	4.0	420	7.8
B00230030	<10	3.8	259	7.0
B00230031	<10	4.4	117	6.6
B00230032	<10	3.0	64	8.0
B00230033	<10	3.5	30	6.7
B00230034	<10	4.8	15	7.8
B00230035	<10	4.7	45	9.3
B00230036	<10	2.4	400	7.1
B00230037	<10	3.7	56	8.2
B00230038	<10	5.7	20	9.5
B00230039	<10	6.2	1240	6.8
B00230040	<10	4.2	3150	5.2

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Element	W@	Y@	Zn@	Zr@
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	10	0.5	1	0.5
Units	ppm	ppm	ppm	ppm
B00230041	<10	3.6	1890	5.7
B00230042	<10	4.3	2290	5.2
B00230043	<10	4.6	1100	5.6
B00230044	<10	4.3	1460	5.4
B00230045	<10	4.9	1390	4.8
B00230046	<10	4.5	960	5.5
B00230047	<10	5.1	1630	5.5
B00230048	<10	4.9	1520	5.4
B00230049	<10	5.9	1330	5.3
B00230050	<10	4.3	944	5.9
B00230051	<10	5.0	1070	6.5
B00230052	<10	3.9	1710	6.7
B00230053	<10	2.9	1160	6.4
B00230054	<10	2.9	1400	6.9
B00230055	<10	4.3	1830	5.5
B00230056	<10	4.4	3260	6.0
B00230057	<10	4.3	2370	5.8
B00230058	<10	4.2	1640	5.3
B00230059	<10	4.1	1840	5.8
B00230060	<10	4.4	1260	5.6
B00230061	<10	4.4	2330	5.7
B00230062	<10	4.5	2520	6.0
B00230063	<10	5.0	2280	4.8
B00230064	<10	4.3	1610	3.9
B00230065	<10	4.5	1450	3.7
B00230066	<10	4.4	1990	3.7
B00230067	<10	4.6	2100	4.4
B00230068	<10	4.9	1210	4.7
B00230069	<10	4.8	1650	4.3
B00230070	<10	4.7	1630	4.2
B00230071	<10	4.6	2140	4.0
B00230072	<10	4.9	1440	4.6
B00230073	<10	4.4	1770	3.9
B00230074	<10	4.5	1940	4.5

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## Certificate of Analysis

Work Order : VC143742

[Report File No.: 0000009799]

To: Peter Holbek  
COPPER MOUNTAIN MINE (BC) LTD  
1700-700 WEST PENDER STREET  
VANCOUVER BC V6C 1G8

Date: Dec 16, 2014

P.O. No. : B00230075-B00230148  
Project No. : FENTON PROJECT  
No. Of Samples : 74  
Date Submitted : Nov 26, 2014  
Report Comprises : Pages 1 to 11  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files:

Certified By :



Cam Chiang  
Assistant Operations Manager

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>.*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	WtKg G_WGH79	@Au GE_FAA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
B00230075	5.710	18	<2	0.48	787	298	<0.5	22
B00230076	5.365	<5	<2	0.50	481	306	<0.5	14
B00230077	5.435	<5	<2	0.53	529	343	<0.5	37
B00230078	5.390	<5	<2	0.56	440	279	<0.5	<5
B00230079	5.340	35	<2	0.53	2750	291	<0.5	27
B00230080	5.160	45	<2	0.52	2250	229	<0.5	17
B00230081	5.335	16	3	0.56	1290	381	<0.5	12
B00230082	5.165	58	3	0.45	2050	165	<0.5	23
B00230083	5.100	26	2	0.46	1210	277	<0.5	<5
B00230084	5.055	151	5	0.47	1670	307	<0.5	10
B00230085	5.080	66	2	0.48	332	262	<0.5	8
B00230086	5.120	35	3	0.46	116	300	<0.5	13
B00230087	5.130	12	<2	0.50	72	174	<0.5	19
B00230088	5.205	<5	<2	0.47	54	106	<0.5	<5
B00230089	5.100	115	<2	0.51	122	81	<0.5	7
B00230090	5.255	29	<2	0.55	86	67	<0.5	5
B00230091	5.370	<5	<2	0.54	81	93	<0.5	6
B00230092	5.575	9	<2	0.35	64	83	<0.5	11
B00230093	5.670	31	3	0.36	302	87	<0.5	12
B00230094	5.240	34	7	0.50	375	41	<0.5	18
B00230095	4.995	35	5	0.72	298	97	<0.5	6
B00230096	5.630	102	3	0.74	921	68	<0.5	<5
B00230097	5.325	145	4	0.55	818	34	<0.5	<5
B00230098	5.520	454	8	0.58	1760	32	<0.5	12
B00230099	5.645	268	8	0.58	1690	48	<0.5	18
B00230100	5.300	356	11	0.55	4970	30	<0.5	23
B00230101	5.385	13	<2	0.70	80	81	<0.5	11
B00230102	5.465	38	6	0.58	552	63	<0.5	10
B00230103	5.520	260	8	0.53	158	174	<0.5	7
B00230104	5.615	49	8	0.63	317	140	<0.5	14
B00230105	5.795	32	11	0.61	277	68	<0.5	18
B00230106	5.640	60	8	0.59	444	269	<0.5	17
B00230107	5.485	16	10	0.79	175	286	<0.5	23
B00230108	5.225	<5	10	0.71	43	477	<0.5	17
B00230109	5.610	17	12	0.77	80	421	<0.5	12
B00230110	5.430	12	6	0.97	88	732	<0.5	15
B00230111	5.560	23	4	1.00	145	238	<0.5	10
B00230112	5.515	74	6	0.83	277	241	<0.5	8
B00230113	5.300	287	7	0.67	842	96	<0.5	9
B00230114	5.790	146	6	0.56	515	107	<0.5	7

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Element Method Det.Lim. Units	WtKg G_WGH79	@Au GE_FA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
B00230115	5.790	65	3	0.52	137	159	<0.5	<5
B00230116	5.360	209	4	0.59	911	129	<0.5	<5
B00230117	5.705	264	3	0.64	539	213	<0.5	<5
B00230118	5.660	164	3	0.84	536	38	<0.5	<5
B00230119	5.870	409	9	0.85	1360	30	<0.5	<5
B00230120	5.670	232	4	0.81	530	49	<0.5	7
B00230121	5.720	267	10	0.81	840	23	<0.5	9
B00230122	5.705	276	6	0.95	942	33	<0.5	7
B00230123	5.730	109	6	0.71	440	29	<0.5	8
B00230124	5.710	321	8	0.76	902	37	<0.5	8
B00230125	5.110	475	14	0.81	1080	34	<0.5	6
B00230126	5.315	182	7	0.87	1310	44	<0.5	<5
B00230127	5.935	108	9	0.73	1270	56	<0.5	6
B00230128	5.550	105	3	0.72	1100	125	<0.5	<5
B00230129	5.715	104	5	0.66	1290	123	<0.5	<5
B00230130	5.580	78	5	0.70	666	303	<0.5	15
B00230131	5.340	18	<2	0.45	76	347	<0.5	<5
B00230132	5.680	37	3	0.35	130	139	<0.5	<5
B00230133	3.910	588	6	0.33	162	39	<0.5	<5
B00230134	6.060	62	2	0.43	209	36	<0.5	<5
B00230135	5.680	172	4	0.41	130	180	<0.5	<5
B00230136	5.470	83	3	0.49	120	260	<0.5	<5
B00230137	5.765	17	<2	0.75	53	264	<0.5	<5
B00230138	0.670	5	<2	0.84	227	29	<0.5	<5
B00230139	5.225	8	<2	0.90	1250	73	<0.5	<5
B00230140	5.815	41	<2	0.64	17	322	<0.5	<5
B00230141	6.305	416	8	0.57	186	55	<0.5	6
B00230142	5.655	171	5	0.75	112	97	<0.5	6
B00230143	5.655	456	18	0.55	1650	111	<0.5	36
B00230144	5.675	405	8	0.49	2870	36	<0.5	13
B00230145	5.395	144	<2	0.52	1010	43	<0.5	7
B00230146	5.630	97	3	0.59	117	71	<0.5	17
B00230147	5.370	55	4	0.49	768	48	<0.5	7
B00230148	5.560	81	3	0.55	626	46	<0.5	6

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	Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
	Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
B00230075		0.47	11	5	5	55.3	4.34	<1	0.39
B00230076		0.61	17	5	5	66.7	4.45	<1	0.40
B00230077		0.52	15	5	5	55.7	4.47	<1	0.41
B00230078		0.41	14	5	5	57.6	4.72	<1	0.42
B00230079		0.21	16	9	5	71.1	4.03	<1	0.43
B00230080		0.22	14	4	5	64.5	4.65	<1	0.43
B00230081		0.20	32	2	5	84.5	3.50	<1	0.45
B00230082		0.31	30	5	5	106	4.25	<1	0.41
B00230083		0.24	20	7	5	72.1	4.51	<1	0.40
B00230084		0.45	30	8	4	93.5	4.67	<1	0.40
B00230085		0.33	24	5	3	78.9	4.08	<1	0.40
B00230086		0.33	32	4	4	139	3.94	<1	0.37
B00230087		0.24	19	6	5	65.5	4.39	<1	0.37
B00230088		0.52	10	3	3	46.0	4.33	<1	0.37
B00230089		0.48	28	8	5	59.8	4.39	<1	0.38
B00230090		0.40	61	4	5	105	4.53	<1	0.42
B00230091		0.70	17	8	4	68.6	4.81	<1	0.41
B00230092		0.38	28	6	5	99.6	5.11	<1	0.29
B00230093		0.15	28	2	5	76.8	5.51	<1	0.30
B00230094		0.06	5	2	3	71.1	4.20	<1	0.38
B00230095		0.05	8	2	5	59.9	4.67	<1	0.54
B00230096		0.05	8	2	6	93.7	4.64	<1	0.52
B00230097		0.03	8	4	4	99.1	4.45	<1	0.42
B00230098		0.06	8	6	4	105	4.62	<1	0.46
B00230099		0.05	9	4	5	119	4.49	<1	0.45
B00230100		0.04	18	9	4	148	5.03	<1	0.44
B00230101		0.02	2	2	3	32.8	3.22	<1	0.48
B00230102		0.03	4	2	4	60.6	2.81	<1	0.40
B00230103		0.04	68	3	3	142	4.53	<1	0.41
B00230104		0.05	5	4	4	93.7	5.12	<1	0.48
B00230105		0.02	11	2	4	115	3.98	<1	0.47
B00230106		0.08	10	5	4	95.1	3.70	<1	0.41
B00230107		0.17	7	6	5	64.8	4.28	<1	0.45
B00230108		0.09	10	7	4	65.8	5.57	<1	0.46
B00230109		0.10	20	7	5	118	5.37	<1	0.52
B00230110		0.13	5	6	5	72.6	4.65	<1	0.62
B00230111		0.08	5	4	5	66.8	5.19	<1	0.66
B00230112		0.05	7	3	5	96.9	4.49	<1	0.59
B00230113		0.05	9	5	5	139	5.25	<1	0.51
B00230114		0.07	8	6	4	143	4.73	<1	0.46

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Element Method Det.Lim. Units	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
B00230115	0.07	6	4	4	122	4.80	<1	0.45
B00230116	0.09	8	4	5	124	5.76	<1	0.46
B00230117	0.08	6	4	4	173	5.34	<1	0.48
B00230118	0.06	6	5	5	241	6.35	<1	0.59
B00230119	0.07	10	4	5	224	6.53	<1	0.60
B00230120	0.05	5	7	4	208	5.41	<1	0.57
B00230121	0.09	14	6	4	219	6.51	2	0.57
B00230122	0.11	6	6	4	209	5.91	<1	0.66
B00230123	0.11	6	5	4	154	5.64	<1	0.52
B00230124	0.11	16	4	4	204	5.49	<1	0.55
B00230125	0.09	24	5	4	162	5.40	2	0.58
B00230126	0.08	14	7	4	141	4.94	<1	0.60
B00230127	0.06	13	6	5	141	6.16	<1	0.52
B00230128	0.10	5	11	4	109	4.92	<1	0.52
B00230129	0.07	9	10	4	128	5.57	1	0.49
B00230130	0.07	3	15	4	111	3.95	1	0.52
B00230131	0.08	2	6	3	22.3	2.91	<1	0.36
B00230132	0.10	3	7	2	34.9	2.68	<1	0.31
B00230133	0.07	15	8	2	25.0	3.02	1	0.29
B00230134	0.08	4	6	3	12.5	2.23	<1	0.35
B00230135	0.10	12	8	2	19.2	2.92	<1	0.36
B00230136	0.12	8	9	3	17.9	3.47	<1	0.40
B00230137	0.09	4	8	3	29.6	2.40	<1	0.44
B00230138	0.36	22	11	6	43.9	3.96	<1	0.27
B00230139	0.09	4	11	5	41.8	4.24	<1	0.21
B00230140	0.14	3	6	4	106	3.61	<1	0.51
B00230141	0.11	14	7	3	154	4.04	<1	0.44
B00230142	0.18	8	5	4	133	4.62	<1	0.54
B00230143	0.17	15	6	5	146	4.72	<1	0.43
B00230144	0.11	10	4	5	106	4.88	<1	0.41
B00230145	0.08	4	6	6	35.0	5.10	<1	0.43
B00230146	0.13	5	7	6	100	5.41	<1	0.48
B00230147	0.16	8	6	5	114	3.32	<1	0.42
B00230148	0.13	8	6	5	127	4.44	<1	0.46

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Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
B00230075	4.3	1	0.40	2640	3	0.02	10	0.06
B00230076	4.6	1	0.46	2960	3	0.02	10	0.06
B00230077	4.7	1	0.44	2730	4	0.02	11	0.06
B00230078	4.4	2	0.44	2900	3	0.02	11	0.06
B00230079	7.0	<1	0.21	2460	3	0.02	10	0.06
B00230080	3.2	1	0.22	3070	3	0.02	11	0.06
B00230081	7.0	2	0.31	3490	4	0.02	10	0.06
B00230082	4.9	1	0.47	4590	3	0.02	10	0.06
B00230083	4.0	1	0.41	3100	2	0.02	11	0.06
B00230084	5.7	<1	0.50	4710	2	0.02	10	0.06
B00230085	7.2	<1	0.46	5040	2	0.02	9	0.06
B00230086	5.0	<1	0.42	4650	4	0.02	10	0.06
B00230087	5.0	<1	0.24	2820	3	0.02	10	0.05
B00230088	7.4	<1	0.33	3750	2	0.02	9	0.06
B00230089	5.8	<1	0.28	3170	2	0.02	10	0.05
B00230090	5.7	<1	0.27	2770	3	0.02	10	0.05
B00230091	4.5	<1	0.38	4400	3	0.02	9	0.07
B00230092	2.9	<1	0.23	3300	2	0.02	11	0.05
B00230093	4.4	<1	0.10	2570	3	0.02	11	0.05
B00230094	3.8	1	0.11	4190	3	0.02	7	0.02
B00230095	6.8	1	0.17	5970	3	0.02	10	<0.01
B00230096	5.7	1	0.15	6240	2	0.02	9	0.02
B00230097	6.0	1	0.07	4560	5	0.02	6	<0.01
B00230098	10.6	2	0.10	6710	3	0.02	4	<0.01
B00230099	11.3	1	0.10	7100	3	0.02	4	<0.01
B00230100	9.0	2	0.15	>10000	3	0.02	5	<0.01
B00230101	9.2	3	0.14	1860	4	0.02	7	<0.01
B00230102	9.3	2	0.12	3760	3	0.02	5	<0.01
B00230103	8.8	2	0.13	7290	3	0.01	6	<0.01
B00230104	9.1	2	0.16	5810	2	0.02	9	0.01
B00230105	9.5	1	0.15	6140	1	0.02	8	<0.01
B00230106	9.2	2	0.11	4150	4	0.02	8	0.03
B00230107	6.9	4	0.17	4790	2	0.02	15	0.08
B00230108	5.3	3	0.22	8320	<1	0.02	14	0.01
B00230109	5.0	3	0.23	8070	1	0.02	14	0.02
B00230110	6.9	3	0.21	4890	3	0.02	12	0.04
B00230111	5.6	2	0.22	4560	2	0.02	14	0.02
B00230112	7.2	2	0.19	4410	4	0.02	11	0.01
B00230113	6.8	2	0.16	3180	5	0.02	8	0.01
B00230114	6.0	1	0.17	4510	8	0.02	8	0.02

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	Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
B00230115		8.2	1	0.16	4170	5	0.02	11	0.02
B00230116		7.0	1	0.16	5560	4	0.02	13	0.03
B00230117		6.2	2	0.18	4110	3	0.02	8	0.02
B00230118		6.5	2	0.21	5400	2	0.02	8	0.01
B00230119		6.8	2	0.19	5220	4	0.02	7	0.02
B00230120		7.3	1	0.17	3350	2	0.02	7	0.01
B00230121		5.2	1	0.18	6320	<1	0.02	7	0.02
B00230122		5.0	2	0.21	6150	<1	0.03	6	0.02
B00230123		2.9	2	0.18	5800	<1	0.02	6	0.03
B00230124		3.0	2	0.19	5120	<1	0.02	6	0.03
B00230125		4.7	2	0.20	5520	<1	0.02	6	0.02
B00230126		4.9	2	0.19	4050	<1	0.03	6	0.03
B00230127		5.0	1	0.20	7290	<1	0.02	14	0.02
B00230128		4.9	1	0.16	5530	5	0.02	7	0.04
B00230129		3.2	1	0.16	6050	6	0.02	7	0.01
B00230130		6.6	1	0.12	3870	2	0.04	6	0.02
B00230131		8.3	2	0.07	7250	2	0.01	5	0.02
B00230132		4.2	<1	0.07	7210	2	0.01	5	0.03
B00230133		2.6	<1	0.07	8840	2	0.01	4	0.02
B00230134		5.7	1	0.07	6270	4	0.01	4	0.02
B00230135		4.9	<1	0.12	9740	2	0.01	4	0.02
B00230136		3.2	2	0.12	8060	3	0.01	6	0.02
B00230137		1.7	7	0.11	4530	2	0.01	5	0.01
B00230138		6.6	10	0.17	4310	3	0.02	18	0.11
B00230139		<0.5	16	0.06	4450	2	0.02	17	0.02
B00230140		6.3	5	0.21	3210	1	0.02	6	0.03
B00230141		2.1	2	0.15	6060	3	0.02	5	0.02
B00230142		1.7	3	0.27	8720	2	0.02	7	0.03
B00230143		3.7	2	0.30	9500	1	0.02	7	0.04
B00230144		5.4	2	0.12	6440	2	0.02	7	0.03
B00230145		3.7	1	0.08	4020	1	0.02	8	0.02
B00230146		6.2	2	0.10	3400	3	0.02	8	0.05
B00230147		6.4	2	0.19	5740	2	0.02	6	0.05
B00230148		5.6	2	0.18	4490	<1	0.02	8	0.04

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Element Method Det.Lim. Units	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
B00230075	192	1.70	11	0.7	<10	45	<0.01	7
B00230076	110	1.70	8	0.7	<10	48	<0.01	8
B00230077	190	1.88	18	0.8	<10	49	<0.01	8
B00230078	121	1.79	10	0.8	<10	51	<0.01	8
B00230079	164	2.27	15	<0.5	<10	47	<0.01	6
B00230080	165	2.51	11	<0.5	<10	47	<0.01	6
B00230081	451	1.24	7	0.8	<10	52	<0.01	8
B00230082	824	1.40	10	0.6	<10	37	<0.01	6
B00230083	464	1.84	8	0.6	<10	45	<0.01	7
B00230084	899	1.72	9	0.6	<10	52	<0.01	6
B00230085	177	1.19	<5	0.6	<10	53	<0.01	6
B00230086	219	1.20	7	0.6	<10	57	<0.01	6
B00230087	81	3.09	7	<0.5	<10	59	<0.01	6
B00230088	59	2.88	5	<0.5	<10	50	<0.01	5
B00230089	82	3.22	<5	<0.5	<10	43	<0.01	5
B00230090	46	3.76	8	<0.5	<10	33	<0.01	6
B00230091	25	3.24	9	<0.5	<10	76	<0.01	6
B00230092	79	4.11	8	<0.5	<10	52	<0.01	5
B00230093	375	>5.00	7	<0.5	<10	38	<0.01	5
B00230094	314	1.99	33	<0.5	<10	34	<0.01	3
B00230095	341	2.06	24	<0.5	<10	35	<0.01	5
B00230096	351	2.21	28	<0.5	<10	51	<0.01	5
B00230097	547	3.01	57	<0.5	<10	17	<0.01	3
B00230098	526	2.84	79	<0.5	<10	13	<0.01	2
B00230099	523	3.19	125	<0.5	<10	19	<0.01	2
B00230100	843	2.97	178	<0.5	<10	20	<0.01	3
B00230101	32	2.92	10	<0.5	<10	39	<0.01	4
B00230102	391	1.51	21	<0.5	<10	31	<0.01	3
B00230103	1590	2.23	14	<0.5	<10	47	<0.01	4
B00230104	302	2.28	15	<0.5	<10	50	<0.01	4
B00230105	969	1.69	15	<0.5	<10	35	<0.01	5
B00230106	408	1.87	23	<0.5	<10	109	<0.01	4
B00230107	440	1.64	15	1.0	<10	175	<0.01	10
B00230108	669	0.83	8	1.2	<10	86	<0.01	12
B00230109	1990	1.48	12	1.1	<10	102	<0.01	11
B00230110	344	1.21	10	1.3	<10	106	<0.01	11
B00230111	235	2.66	10	1.1	<10	98	<0.01	11
B00230112	687	2.29	9	0.6	<10	60	<0.01	6
B00230113	908	3.26	18	<0.5	<10	51	<0.01	5
B00230114	679	2.18	12	0.5	<10	53	<0.01	5

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Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
Det.Lim. Units	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
B00230115	205	1.68	7	0.8	<10	51	<0.01	6
B00230116	408	3.11	10	0.5	<10	60	<0.01	6
B00230117	196	3.02	13	0.6	<10	56	<0.01	5
B00230118	321	3.36	52	0.6	<10	44	<0.01	7
B00230119	1780	3.93	75	0.7	<10	44	<0.01	6
B00230120	149	3.40	25	0.6	<10	27	<0.01	7
B00230121	1350	3.76	60	0.6	<10	61	<0.01	7
B00230122	424	3.05	64	0.7	<10	43	<0.01	9
B00230123	186	3.14	29	0.6	<10	30	<0.01	7
B00230124	1280	3.17	160	0.6	<10	41	<0.01	7
B00230125	2150	3.35	71	0.6	<10	35	<0.01	8
B00230126	974	2.97	26	0.6	<10	60	<0.01	7
B00230127	1750	3.05	66	1.1	<10	73	<0.01	13
B00230128	275	2.55	56	0.6	<10	46	<0.01	8
B00230129	536	3.03	99	0.6	<10	28	<0.01	8
B00230130	152	2.18	90	0.7	<10	47	<0.01	7
B00230131	69	0.83	29	1.8	<10	89	<0.01	7
B00230132	143	0.81	45	1.8	<10	72	<0.01	6
B00230133	1580	1.44	54	2.0	<10	44	<0.01	7
B00230134	347	1.18	72	1.6	<10	84	<0.01	7
B00230135	1100	0.67	51	2.2	<10	101	<0.01	8
B00230136	816	1.01	49	2.8	<10	115	<0.01	11
B00230137	400	0.73	25	2.4	<10	133	<0.01	17
B00230138	468	1.35	58	3.6	<10	111	<0.01	33
B00230139	60	2.70	79	1.4	<10	132	<0.01	20
B00230140	70	0.44	8	1.0	<10	82	<0.01	12
B00230141	2020	2.85	235	0.5	<10	36	<0.01	5
B00230142	811	2.33	58	0.7	<10	44	<0.01	6
B00230143	2310	2.27	246	0.6	<10	51	<0.01	5
B00230144	1070	3.97	166	<0.5	<10	64	<0.01	5
B00230145	80	>5.00	23	<0.5	<10	39	<0.01	5
B00230146	101	>5.00	34	<0.5	<10	78	<0.01	7
B00230147	500	0.94	37	0.6	<10	92	<0.01	6
B00230148	290	2.41	22	0.5	<10	80	<0.01	6

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Element Method Det.Lim. Units	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B	Zn@ GO_ICP90Q
	10 ppm	0.5 ppm	1 ppm	0.5 ppm	0.01 %
B00230075	<10	4.6	1690	4.7	N.A.
B00230076	<10	4.4	2930	4.3	N.A.
B00230077	<10	4.8	2620	5.0	N.A.
B00230078	<10	4.1	2490	4.7	N.A.
B00230079	<10	3.8	2870	5.2	N.A.
B00230080	<10	3.8	2260	4.8	N.A.
B00230081	<10	3.9	5130	4.6	N.A.
B00230082	<10	4.1	4630	4.1	N.A.
B00230083	<10	3.6	3400	4.7	N.A.
B00230084	<10	4.0	4710	4.6	N.A.
B00230085	<10	3.8	3990	4.6	N.A.
B00230086	<10	4.2	5280	4.8	N.A.
B00230087	<10	4.0	3300	5.4	N.A.
B00230088	<10	4.4	1540	5.4	N.A.
B00230089	<10	4.0	4880	5.7	N.A.
B00230090	<10	3.9	>10000	5.7	1.08
B00230091	<10	5.1	2760	5.6	N.A.
B00230092	<10	4.1	4780	5.9	N.A.
B00230093	<10	4.1	4830	6.0	N.A.
B00230094	<10	1.8	376	7.1	N.A.
B00230095	<10	1.7	1130	6.6	N.A.
B00230096	<10	2.3	911	7.4	N.A.
B00230097	<10	1.7	1090	9.0	N.A.
B00230098	<10	2.1	1110	9.4	N.A.
B00230099	<10	2.0	1300	9.3	N.A.
B00230100	<10	1.5	2800	8.0	N.A.
B00230101	<10	1.3	27	7.8	N.A.
B00230102	<10	1.4	470	7.6	N.A.
B00230103	<10	1.4	>10000	6.8	1.25
B00230104	<10	2.0	594	6.3	N.A.
B00230105	<10	1.4	1740	6.4	N.A.
B00230106	<10	2.8	1540	6.8	N.A.
B00230107	<10	4.4	950	5.6	N.A.
B00230108	<10	2.6	1380	4.8	N.A.
B00230109	<10	2.9	3550	5.1	N.A.
B00230110	<10	2.9	541	5.5	N.A.
B00230111	<10	2.7	501	5.3	N.A.
B00230112	<10	2.4	1010	6.0	N.A.
B00230113	<10	2.5	1200	7.1	N.A.
B00230114	<10	2.8	1110	6.9	N.A.

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Element Method Det.Lim. Units	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B	Zn@ GO_ICP90Q
B00230115	<10	3.3	598	6.5	N.A.
B00230116	<10	3.9	958	4.7	N.A.
B00230117	<10	3.4	574	6.1	N.A.
B00230118	<10	2.8	485	6.7	N.A.
B00230119	10	2.8	1430	7.2	N.A.
B00230120	<10	2.5	489	7.4	N.A.
B00230121	<10	3.1	2240	8.1	N.A.
B00230122	<10	3.4	556	7.6	N.A.
B00230123	<10	3.2	492	7.5	N.A.
B00230124	<10	3.0	2760	7.3	N.A.
B00230125	<10	2.8	4660	7.9	N.A.
B00230126	<10	3.0	2620	7.4	N.A.
B00230127	<10	2.4	2150	5.4	N.A.
B00230128	<10	3.6	446	7.6	N.A.
B00230129	<10	2.5	1360	7.9	N.A.
B00230130	<10	2.5	208	7.1	N.A.
B00230131	<10	4.1	173	6.7	N.A.
B00230132	<10	4.9	390	6.5	N.A.
B00230133	<10	4.1	2940	7.4	N.A.
B00230134	<10	4.5	699	6.0	N.A.
B00230135	<10	5.4	1950	5.9	N.A.
B00230136	<10	5.4	1240	5.0	N.A.
B00230137	<10	3.9	577	4.9	N.A.
B00230138	<10	5.2	3550	8.7	N.A.
B00230139	10	1.9	131	8.6	N.A.
B00230140	<10	5.0	175	5.8	N.A.
B00230141	<10	2.7	2760	6.3	N.A.
B00230142	<10	4.2	1060	7.0	N.A.
B00230143	<10	4.0	2640	6.7	N.A.
B00230144	<10	3.6	1590	6.6	N.A.
B00230145	<10	2.9	173	7.7	N.A.
B00230146	<10	3.6	222	7.0	N.A.
B00230147	<10	4.2	1380	4.2	N.A.
B00230148	<10	3.4	1230	5.4	N.A.

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## Certificate of Analysis

Work Order : VC143743  
[Report File No.: 0000009819]

To: Peter Holbek  
COPPER MOUNTAIN MINE (BC) LTD  
1700-700 WEST PENDER STREET  
VANCOUVER BC V6C 1G8

Date: Dec 19, 2014

P.O. No. : B00230149-B00230260  
Project No. : FENTON PROJECT  
No. Of Samples : 74  
Date Submitted : Nov 26, 2014  
Report Comprises : Pages 1 to 11  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files:

Certified By :



Cam Chiang  
Assistant Operations Manager

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method Det.Lim. Units	WtKg G_WGH79	@Au GE_FAA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
B00230149	5.020	169	6	0.43	993	42	<0.5	12
B00230150	5.225	93	6	0.54	641	212	<0.5	15
B00230151	5.130	92	4	0.54	1530	31	<0.5	13
B00230152	5.690	113	5	0.49	2220	44	<0.5	19
B00230153	5.745	137	<2	0.48	3630	94	<0.5	8
B00230154	5.290	71	2	0.46	1250	45	<0.5	8
B00230155	5.590	79	<2	0.46	565	36	<0.5	10
B00230156	5.545	111	<2	0.45	1520	35	<0.5	17
B00230157	5.405	105	<2	0.43	1430	43	<0.5	18
B00230158	5.055	120	<2	0.40	1670	49	<0.5	34
B00230159	5.165	127	<2	0.42	866	191	<0.5	17
B00230160	5.450	214	<2	0.48	575	131	<0.5	28
B00230161	4.990	290	<2	0.46	1630	170	<0.5	20
B00230162	5.330	233	<2	0.52	757	214	<0.5	24
B00230163	5.265	337	<2	0.47	1010	227	<0.5	21
B00230164	5.370	318	<2	0.51	1070	232	<0.5	21
B00230165	5.230	269	<2	0.47	754	159	<0.5	12
B00230166	5.145	588	<2	0.49	778	99	<0.5	26
B00230167	5.525	607	<2	0.42	828	132	<0.5	21
B00230168	5.415	472	<2	0.45	259	165	<0.5	17
B00230169	5.305	355	<2	0.41	252	179	<0.5	23
B00230170	5.305	332	<2	0.48	700	125	<0.5	22
B00230171	5.720	141	<2	0.44	892	57	<0.5	33
B00230172	5.535	151	2	0.50	461	87	<0.5	26
B00230173	5.165	166	2	0.49	624	95	<0.5	23
B00230174	5.780	150	<2	0.54	529	209	<0.5	13
B00230175	5.370	127	<2	0.52	2460	308	<0.5	18
B00230214	5.985	5	<2	0.45	501	170	<0.5	6
B00230215	6.405	34	4	0.47	541	81	<0.5	20
B00230216	4.045	12	<2	0.53	421	32	<0.5	6
B00230217	5.230	7	<2	0.45	200	54	<0.5	14
B00230218	6.285	20	<2	0.62	899	48	<0.5	15
B00230219	6.245	55	<2	0.81	2300	54	0.6	13
B00230220	6.100	19	<2	0.37	148	42	<0.5	<5
B00230221	5.930	20	<2	0.40	255	55	<0.5	7
B00230222	6.125	9	<2	0.46	223	155	<0.5	10
B00230223	6.245	30	<2	0.54	381	41	<0.5	12
B00230224	6.425	35	2	0.63	1180	41	<0.5	20
B00230225	6.280	75	4	0.51	2260	29	<0.5	23
B00230226	6.255	97	4	0.53	3940	29	<0.5	21

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Element Method Det.Lim. Units	WtKg G_WGH79	@Au GE_FA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
B00230227	6.595	32	5	0.50	2270	26	<0.5	25
B00230228	6.395	67	4	0.56	3420	31	<0.5	15
B00230229	6.205	27	3	0.35	821	26	<0.5	16
B00230230	5.945	51	5	0.36	3950	34	<0.5	49
B00230231	6.720	24	3	0.39	2200	71	<0.5	18
B00230232	6.385	29	2	0.38	1750	30	<0.5	20
B00230233	6.705	139	11	0.37	5120	85	<0.5	80
B00230234	5.860	32	<2	0.36	551	34	<0.5	9
B00230235	6.595	430	29	0.34	3550	54	<0.5	14
B00230236	6.255	24	<2	0.20	588	61	<0.5	6
B00230237	6.405	12	<2	0.46	699	96	<0.5	12
B00230238	6.235	93	<2	0.42	2310	34	<0.5	36
B00230239	6.575	8	<2	0.54	770	105	<0.5	7
B00230240	6.495	67	<2	0.48	3060	41	<0.5	198
B00230241	6.615	34	<2	0.39	4760	33	<0.5	29
B00230242	6.245	113	2	0.38	2090	27	<0.5	50
B00230243	6.380	80	<2	0.32	974	27	<0.5	15
B00230244	6.150	10	<2	0.41	1080	32	<0.5	13
B00230245	6.360	25	<2	0.39	746	34	<0.5	21
B00230246	6.020	27	<2	0.35	1590	26	<0.5	28
B00230247	6.170	<5	<2	0.41	419	29	<0.5	10
B00230248	6.105	8	<2	0.50	145	45	<0.5	7
B00230249	6.120	9	<2	0.42	327	24	<0.5	11
B00230250	6.270	22	<2	0.55	1180	31	<0.5	24
B00230251	6.100	37	<2	0.65	4410	36	<0.5	25
B00230252	6.360	38	<2	0.57	2100	32	<0.5	20
B00230253	6.180	14	<2	0.56	612	94	<0.5	36
B00230254	6.530	15	<2	0.53	549	34	<0.5	28
B00230255	6.395	20	<2	0.47	2510	26	<0.5	13
B00230256	6.310	19	<2	0.52	2710	28	<0.5	35
B00230257	6.245	6	<2	0.60	1490	37	<0.5	18
B00230258	6.330	7	<2	0.56	262	53	<0.5	12
B00230259	6.535	8	<2	0.54	1700	40	<0.5	11
B00230260	6.445	28	<2	0.55	3280	39	<0.5	26

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	Element Method Det.Lim. Units	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
B00230149		0.13	10	6	6	164	4.92	<1	0.38
B00230150		0.11	9	10	7	168	5.26	<1	0.45
B00230151		0.10	10	22	7	183	5.25	<1	0.45
B00230152		0.12	10	17	5	190	5.00	<1	0.40
B00230153		0.08	7	16	6	139	5.33	<1	0.41
B00230154		0.09	6	10	7	215	4.49	<1	0.40
B00230155		0.05	7	8	6	156	4.66	1	0.41
B00230156		0.07	5	15	6	196	4.84	<1	0.39
B00230157		0.06	5	13	5	165	5.08	<1	0.37
B00230158		0.07	6	15	5	172	5.04	<1	0.36
B00230159		0.06	6	14	5	155	4.83	<1	0.37
B00230160		0.07	7	10	5	179	5.60	<1	0.42
B00230161		0.08	7	19	5	169	5.33	<1	0.40
B00230162		0.14	5	7	5	146	4.73	<1	0.43
B00230163		0.11	7	13	6	142	4.67	<1	0.40
B00230164		0.11	7	18	5	161	5.10	2	0.43
B00230165		0.11	7	12	5	139	4.59	<1	0.39
B00230166		0.13	7	11	5	169	5.36	<1	0.41
B00230167		0.13	8	12	5	187	5.31	<1	0.38
B00230168		0.12	7	6	5	158	5.06	<1	0.40
B00230169		0.14	7	5	4	148	4.76	<1	0.37
B00230170		0.15	7	10	6	155	4.86	<1	0.40
B00230171		0.15	6	11	5	138	4.54	<1	0.36
B00230172		0.15	6	6	6	118	4.69	<1	0.40
B00230173		0.18	6	7	6	125	4.46	<1	0.40
B00230174		0.18	7	8	6	121	4.50	<1	0.43
B00230175		0.17	7	24	5	113	4.50	<1	0.43
B00230214		0.07	10	4	4	122	4.56	<1	0.34
B00230215		0.09	18	5	5	121	5.58	<1	0.36
B00230216		0.09	25	5	5	133	4.86	<1	0.41
B00230217		0.13	8	3	5	168	6.41	<1	0.37
B00230218		0.11	6	4	6	127	5.71	<1	0.45
B00230219		0.06	6	17	3	125	5.21	<1	0.59
B00230220		0.04	15	3	4	48.6	2.45	<1	0.30
B00230221		0.04	4	3	5	57.5	2.40	<1	0.33
B00230222		0.04	3	2	4	91.9	2.85	<1	0.35
B00230223		0.02	4	2	5	186	3.52	<1	0.38
B00230224		0.06	6	4	5	199	5.63	<1	0.46
B00230225		0.12	7	3	4	178	5.67	<1	0.37
B00230226		0.10	7	11	5	236	6.15	<1	0.38

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Report File No.: 0000009819

	Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
	Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
B00230227		0.07	6	9	4	295	5.88	<1	0.37
B00230228		0.05	7	9	5	224	5.01	<1	0.40
B00230229		0.04	5	4	4	195	4.48	<1	0.27
B00230230		0.03	6	6	5	184	3.44	<1	0.28
B00230231		0.03	4	3	6	206	3.60	<1	0.32
B00230232		0.07	4	5	5	182	3.46	<1	0.26
B00230233		0.07	6	5	5	258	4.86	<1	0.30
B00230234		0.04	4	3	4	143	3.32	<1	0.31
B00230235		0.03	17	4	4	328	4.02	<1	0.28
B00230236		0.02	1	2	3	93.6	1.99	<1	0.18
B00230237		0.07	5	4	6	162	3.86	<1	0.38
B00230238		0.06	4	5	5	132	3.40	<1	0.35
B00230239		0.13	5	3	6	131	3.35	<1	0.42
B00230240		0.03	5	4	5	297	4.60	<1	0.41
B00230241		0.03	5	13	4	309	4.90	<1	0.33
B00230242		0.03	5	4	4	345	5.41	<1	0.28
B00230243		0.04	5	5	10	218	3.90	<1	0.24
B00230244		0.04	4	9	3	155	3.80	<1	0.31
B00230245		0.03	4	7	2	155	3.48	<1	0.30
B00230246		0.04	4	10	4	114	3.43	<1	0.24
B00230247		0.08	5	4	4	116	4.58	<1	0.33
B00230248		0.08	6	3	4	107	4.14	<1	0.36
B00230249		0.11	10	6	5	101	4.50	<1	0.32
B00230250		0.12	5	5	4	243	4.49	<1	0.38
B00230251		0.13	6	13	5	351	5.74	<1	0.46
B00230252		0.17	6	13	5	360	6.22	<1	0.42
B00230253		0.15	5	7	5	243	5.63	<1	0.41
B00230254		0.14	5	4	4	189	4.38	<1	0.39
B00230255		0.11	5	20	5	234	4.96	<1	0.35
B00230256		0.15	6	29	4	267	6.38	<1	0.39
B00230257		0.12	5	7	5	245	5.48	<1	0.44
B00230258		0.15	6	6	6	229	6.02	<1	0.43
B00230259		0.20	7	7	6	206	7.50	<1	0.41
B00230260		0.15	6	17	7	216	6.05	<1	0.41

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	Element Method Det.Lim. Units	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
B00230149		5.1	1	0.20	4750	1	0.01	9	0.04
B00230150		5.5	1	0.22	4550	1	0.02	10	0.03
B00230151		6.4	1	0.21	3850	2	0.02	10	0.03
B00230152		6.2	2	0.16	3940	2	0.02	9	0.04
B00230153		6.2	1	0.15	3280	<1	0.02	9	0.02
B00230154		4.9	1	0.14	3710	<1	0.02	9	0.03
B00230155		6.1	1	0.14	3620	1	0.02	9	<0.01
B00230156		6.4	1	0.15	4780	1	0.02	9	0.02
B00230157		6.7	<1	0.15	4590	<1	0.02	8	<0.01
B00230158		5.3	<1	0.14	3850	1	0.02	8	0.02
B00230159		5.0	1	0.18	3900	1	0.02	9	<0.01
B00230160		4.8	1	0.19	4090	<1	0.02	9	0.01
B00230161		3.8	1	0.21	4100	<1	0.02	9	0.02
B00230162		3.6	<1	0.18	4100	<1	0.02	9	0.05
B00230163		2.5	<1	0.17	4150	<1	0.02	10	0.03
B00230164		3.2	1	0.19	4570	<1	0.02	9	0.03
B00230165		2.1	1	0.17	4640	1	0.02	9	0.03
B00230166		4.0	1	0.19	6100	<1	0.02	9	0.03
B00230167		3.0	<1	0.18	6380	<1	0.02	9	0.04
B00230168		3.1	<1	0.18	5580	<1	0.02	8	0.03
B00230169		1.9	1	0.19	5520	<1	0.02	8	0.04
B00230170		3.3	<1	0.20	7530	<1	0.02	9	0.04
B00230171		2.5	<1	0.20	6690	<1	0.01	8	0.04
B00230172		2.1	1	0.21	6630	<1	0.02	8	0.04
B00230173		3.3	1	0.20	9120	<1	0.02	8	0.05
B00230174		3.0	1	0.19	7790	<1	0.02	9	0.05
B00230175		3.6	1	0.20	4840	<1	0.02	8	0.05
B00230214		5.1	1	0.14	2590	2	0.01	10	0.02
B00230215		3.6	1	0.11	2290	3	0.01	9	0.03
B00230216		2.1	<1	0.17	2810	3	0.01	11	0.03
B00230217		1.2	<1	0.19	3190	1	0.01	9	0.05
B00230218		1.1	1	0.17	2540	3	0.01	10	0.04
B00230219		3.5	1	0.12	2540	5	0.02	10	<0.01
B00230220		7.0	<1	0.05	2150	3	<0.01	6	<0.01
B00230221		8.5	1	0.05	1430	6	<0.01	9	<0.01
B00230222		7.1	<1	0.06	1520	7	0.01	8	<0.01
B00230223		4.6	<1	0.05	257	2	0.01	5	<0.01
B00230224		1.3	1	0.10	1550	4	0.01	7	0.02
B00230225		1.1	<1	0.11	2670	3	0.01	10	0.04
B00230226		0.8	1	0.12	2620	3	0.01	13	0.04

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Element Method Det.Lim. Units	La@ GE_ICP14B 0.5 ppm	Li@ GE_ICP14B 1 ppm	Mg@ GE_ICP14B 0.01 %	Mn@ GE_ICP14B 2 ppm	Mo@ GE_ICP14B 1 ppm	Na@ GE_ICP14B 0.01 %	Ni@ GE_ICP14B 1 ppm	P@ GE_ICP14B 0.01 %
B00230227	1.1	1	0.12	1960	5	0.01	14	0.02
B00230228	1.1	1	0.12	2120	4	0.01	7	0.02
B00230229	1.7	1	0.06	1200	4	0.01	10	<0.01
B00230230	2.5	<1	0.04	1560	2	0.01	5	<0.01
B00230231	3.7	<1	0.03	1630	2	0.01	5	<0.01
B00230232	3.2	<1	0.04	1560	5	0.01	5	0.03
B00230233	4.0	<1	0.04	2280	8	0.01	4	0.03
B00230234	3.2	<1	0.04	2020	5	0.01	4	0.01
B00230235	4.0	<1	0.03	1860	2	0.01	4	0.01
B00230236	3.8	<1	0.02	838	2	<0.01	2	<0.01
B00230237	6.7	<1	0.06	1560	3	0.01	4	0.02
B00230238	5.3	<1	0.05	1520	3	0.01	5	0.02
B00230239	3.3	<1	0.06	1490	4	0.01	5	0.05
B00230240	3.9	<1	0.05	758	2	0.01	3	0.01
B00230241	2.1	1	0.07	981	2	0.01	4	<0.01
B00230242	1.1	<1	0.05	1090	1	0.01	4	<0.01
B00230243	0.9	<1	0.05	1230	5	<0.01	7	0.01
B00230244	1.5	<1	0.07	967	3	0.01	3	<0.01
B00230245	2.3	<1	0.06	944	10	0.01	3	<0.01
B00230246	1.5	<1	0.05	574	29	<0.01	3	0.01
B00230247	3.2	<1	0.09	1480	3	0.01	6	0.03
B00230248	5.9	2	0.11	1320	3	0.01	6	0.02
B00230249	2.9	1	0.12	1430	4	0.01	6	0.04
B00230250	1.1	1	0.13	1080	8	0.01	6	0.05
B00230251	0.5	1	0.15	1030	6	0.02	8	0.05
B00230252	0.5	1	0.16	1450	6	0.01	6	0.06
B00230253	<0.5	1	0.15	1830	13	0.01	8	0.05
B00230254	1.3	1	0.13	2300	4	0.01	7	0.05
B00230255	1.6	<1	0.10	1660	3	0.01	7	0.04
B00230256	2.0	1	0.15	2680	3	0.01	9	0.05
B00230257	1.4	1	0.11	1250	3	0.01	8	0.05
B00230258	<0.5	1	0.17	1820	6	0.01	8	0.05
B00230259	1.3	1	0.17	2900	2	0.01	15	0.08
B00230260	1.5	1	0.14	1520	2	0.01	11	0.06

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Report File No.: 0000009819

Element Method Det.Lim. Units	Pb@ GE_ICP14B 2 ppm	S@ GE_ICP14B 0.01 %	Sb@ GE_ICP14B 5 ppm	Sc@ GE_ICP14B 0.5 ppm	Sn@ GE_ICP14B 10 ppm	Sr@ GE_ICP14B 5 ppm	Ti@ GE_ICP14B 0.01 %	V@ GE_ICP14B 1 ppm
B00230149	589	2.45	41	0.5	<10	67	<0.01	7
B00230150	582	2.37	30	0.6	<10	54	<0.01	8
B00230151	388	3.07	22	0.5	<10	70	<0.01	5
B00230152	644	2.93	23	0.6	<10	83	<0.01	6
B00230153	182	3.09	16	<0.5	<10	74	<0.01	6
B00230154	275	2.22	14	0.5	<10	81	<0.01	6
B00230155	198	2.18	14	0.5	<10	61	<0.01	6
B00230156	209	2.13	16	0.6	<10	66	<0.01	6
B00230157	105	2.73	18	0.5	<10	62	<0.01	7
B00230158	191	3.03	23	<0.5	<10	39	<0.01	4
B00230159	156	2.25	22	<0.5	<10	68	<0.01	7
B00230160	231	2.79	30	<0.5	<10	66	<0.01	6
B00230161	185	2.70	22	<0.5	<10	62	<0.01	5
B00230162	153	2.25	25	<0.5	<10	80	<0.01	6
B00230163	248	2.34	40	<0.5	<10	66	<0.01	5
B00230164	212	2.27	39	<0.5	<10	72	<0.01	5
B00230165	221	2.36	43	<0.5	<10	80	<0.01	5
B00230166	175	2.47	38	<0.5	<10	64	<0.01	5
B00230167	317	2.71	77	<0.5	<10	43	<0.01	4
B00230168	241	2.71	34	<0.5	<10	55	<0.01	5
B00230169	278	2.54	31	<0.5	<10	55	<0.01	4
B00230170	192	2.40	40	0.5	<10	38	<0.01	4
B00230171	130	2.27	38	<0.5	<10	28	<0.01	4
B00230172	126	1.92	35	0.6	<10	42	<0.01	5
B00230173	115	2.06	40	0.6	<10	45	<0.01	6
B00230174	121	2.21	35	0.6	<10	44	<0.01	6
B00230175	220	2.08	39	0.7	<10	44	<0.01	8
B00230214	126	2.43	36	0.7	<10	30	<0.01	7
B00230215	428	4.72	54	0.6	<10	26	<0.01	6
B00230216	196	2.83	56	0.8	<10	37	<0.01	8
B00230217	119	3.67	40	0.6	<10	20	<0.01	7
B00230218	32	3.55	60	<0.5	<10	16	<0.01	8
B00230219	86	3.67	45	<0.5	<10	13	<0.01	9
B00230220	130	1.52	27	<0.5	<10	14	<0.01	3
B00230221	74	1.60	20	<0.5	<10	14	<0.01	2
B00230222	62	1.84	24	<0.5	<10	17	<0.01	2
B00230223	53	3.66	35	<0.5	<10	10	<0.01	3
B00230224	71	4.81	48	<0.5	<10	13	<0.01	5
B00230225	183	4.49	64	<0.5	<10	12	<0.01	5
B00230226	126	4.67	50	<0.5	<10	15	<0.01	5

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Element Method Det.Lim. Units	Pb@ GE_ICP14B 2 ppm	S@ GE_ICP14B 0.01 %	Sb@ GE_ICP14B 5 ppm	Sc@ GE_ICP14B 0.5 ppm	Sn@ GE_ICP14B 10 ppm	Sr@ GE_ICP14B 5 ppm	Ti@ GE_ICP14B 0.01 %	V@ GE_ICP14B 1 ppm
B00230227	91	4.34	51	<0.5	<10	10	<0.01	5
B00230228	124	4.28	58	<0.5	<10	17	<0.01	6
B00230229	65	3.90	38	<0.5	<10	15	<0.01	3
B00230230	189	2.95	85	<0.5	<10	16	<0.01	2
B00230231	116	3.12	66	<0.5	<10	15	<0.01	2
B00230232	83	2.97	52	<0.5	<10	35	<0.01	3
B00230233	323	4.26	90	<0.5	<10	30	<0.01	2
B00230234	52	2.71	24	<0.5	<10	15	<0.01	2
B00230235	5550	3.84	183	<0.5	<10	14	<0.01	2
B00230236	34	1.74	26	<0.5	<10	14	<0.01	1
B00230237	45	2.43	41	<0.5	<10	37	<0.01	2
B00230238	55	2.29	54	<0.5	<10	21	<0.01	2
B00230239	28	2.33	49	<0.5	<10	91	<0.01	3
B00230240	81	4.16	63	<0.5	<10	16	<0.01	2
B00230241	42	3.70	60	<0.5	<10	12	<0.01	2
B00230242	69	4.95	65	<0.5	<10	11	<0.01	2
B00230243	80	2.98	67	<0.5	<10	17	<0.01	3
B00230244	27	2.34	43	<0.5	<10	13	<0.01	2
B00230245	32	2.44	43	<0.5	<10	10	<0.01	2
B00230246	24	2.47	49	<0.5	<10	14	<0.01	2
B00230247	21	2.79	64	<0.5	<10	28	<0.01	3
B00230248	17	2.07	49	<0.5	<10	29	<0.01	3
B00230249	14	1.91	48	<0.5	<10	39	<0.01	4
B00230250	23	3.00	54	<0.5	<10	12	<0.01	5
B00230251	38	4.35	75	<0.5	<10	15	<0.01	6
B00230252	31	3.94	68	<0.5	<10	17	<0.01	5
B00230253	34	3.51	83	<0.5	<10	15	<0.01	6
B00230254	33	2.54	59	<0.5	<10	14	<0.01	5
B00230255	37	3.56	70	<0.5	<10	16	<0.01	5
B00230256	37	3.70	59	<0.5	<10	11	<0.01	5
B00230257	16	4.21	55	<0.5	<10	34	<0.01	6
B00230258	10	3.19	69	0.7	<10	13	<0.01	7
B00230259	7	4.11	122	1.1	<10	49	<0.01	12
B00230260	14	4.19	86	0.6	<10	34	<0.01	8

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Element	W@	Y@	Zn@	Zr@
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	10	0.5	1	0.5
Units	ppm	ppm	ppm	ppm
B00230149	<10	3.5	1080	6.3
B00230150	<10	3.2	996	7.0
B00230151	<10	2.9	1100	5.3
B00230152	<10	3.1	1160	6.1
B00230153	<10	2.1	475	5.8
B00230154	<10	2.8	440	5.2
B00230155	<10	1.9	501	5.5
B00230156	<10	2.5	67	6.4
B00230157	<10	2.1	81	6.4
B00230158	<10	2.4	218	5.2
B00230159	<10	1.9	387	5.5
B00230160	<10	2.0	580	4.9
B00230161	<10	2.4	369	4.6
B00230162	<10	3.6	154	4.8
B00230163	<10	3.4	493	5.3
B00230164	<10	2.9	615	4.4
B00230165	<10	3.2	603	5.6
B00230166	<10	3.4	425	5.2
B00230167	<10	3.2	515	4.7
B00230168	<10	2.8	511	3.7
B00230169	<10	3.1	409	3.4
B00230170	<10	3.4	401	4.0
B00230171	<10	2.9	305	3.8
B00230172	<10	3.0	371	4.2
B00230173	<10	3.6	312	4.9
B00230174	<10	3.7	609	4.9
B00230175	<10	4.3	486	5.8
B00230214	<10	2.5	913	5.9
B00230215	<10	2.8	2420	7.2
B00230216	<10	2.9	3500	7.0
B00230217	<10	3.1	281	6.3
B00230218	<10	2.1	109	4.2
B00230219	<10	1.7	160	7.7
B00230220	<10	1.5	2250	7.5
B00230221	<10	1.8	338	10.6
B00230222	<10	1.9	114	11.7
B00230223	<10	1.5	50	11.9
B00230224	<10	1.8	68	10.3
B00230225	<10	2.1	314	7.3
B00230226	<10	2.3	196	7.2

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Element Method Det.Lim. Units	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B
B00230227	<10	1.3	50	5.8
B00230228	<10	1.1	563	5.4
B00230229	<10	1.3	113	10.7
B00230230	<10	1.3	401	10.2
B00230231	<10	1.6	152	12.2
B00230232	<10	2.0	157	9.6
B00230233	<10	2.1	335	12.8
B00230234	<10	1.4	163	9.9
B00230235	<10	1.6	2900	11.2
B00230236	<10	1.0	98	6.8
B00230237	<10	2.0	166	13.2
B00230238	<10	1.7	232	9.7
B00230239	<10	2.4	421	11.0
B00230240	<10	1.4	92	10.8
B00230241	<10	0.9	67	6.8
B00230242	<10	0.9	52	8.7
B00230243	<10	1.1	188	6.9
B00230244	<10	0.9	78	7.4
B00230245	<10	0.9	126	8.2
B00230246	<10	0.9	136	6.9
B00230247	<10	1.7	108	6.4
B00230248	<10	2.1	459	6.4
B00230249	<10	2.1	1130	6.3
B00230250	<10	1.8	71	5.7
B00230251	<10	1.9	26	7.2
B00230252	<10	2.0	28	7.2
B00230253	<10	2.1	23	7.0
B00230254	<10	2.1	52	5.6
B00230255	<10	1.9	98	6.0
B00230256	<10	2.0	69	6.9
B00230257	<10	2.5	77	6.5
B00230258	<10	2.3	71	6.2
B00230259	10	3.8	43	5.1
B00230260	<10	2.8	68	5.9

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## Certificate of Analysis

Work Order : VC143744  
[Report File No.: 0000009820]

To: Peter Holbek  
COPPER MOUNTAIN MINE (BC) LTD  
1700-700 WEST PENDER STREET  
VANCOUVER BC V6C 1G8

Date: Dec 19, 2014

P.O. No. : B00230261-B00230358  
Project No. : FENTON PROJECT  
No. Of Samples : 74  
Date Submitted : Nov 26, 2014  
Report Comprises : Pages 1 to 11  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files:

Certified By :



Cam Chiang  
Assistant Operations Manager

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC143744 Order: B00230261-B00230358

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Report File No.: 0000009820

Element Method Det.Lim. Units	WtKg G_WGH79	@Au GE_FA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
B00230261	6.365	8	<2	0.53	769	36	<0.5	17
B00230262	6.585	28	<2	0.63	2780	34	<0.5	36
B00230263	6.520	8	<2	0.63	558	50	<0.5	18
B00230264	6.740	11	<2	0.55	373	38	<0.5	15
B00230265	6.935	20	<2	0.49	469	97	<0.5	14
B00230266	6.465	38	<2	0.46	604	68	<0.5	13
B00230267	6.810	153	<2	1.11	367	91	<0.5	13
B00230268	6.465	68	<2	1.03	131	183	<0.5	10
B00230269	6.735	30	<2	1.15	168	185	<0.5	10
B00230270	6.760	75	<2	0.96	222	175	<0.5	13
B00230271	6.740	73	<2	0.82	355	78	<0.5	21
B00230272	6.545	50	<2	0.87	753	71	<0.5	18
B00230273	6.785	62	<2	0.74	1820	79	<0.5	21
B00230274	6.510	53	<2	0.94	1060	104	<0.5	13
B00230275	6.495	37	<2	0.88	384	190	<0.5	8
B00230276	6.145	24	<2	0.97	91	167	<0.5	9
B00230277	6.890	41	<2	0.50	836	68	<0.5	29
B00230278	6.540	35	<2	0.43	1290	23	<0.5	26
B00230279	6.675	40	<2	0.67	98	23	<0.5	13
B00230280	6.585	33	<2	0.65	1100	30	<0.5	13
B00230281	6.405	16	<2	0.80	674	34	<0.5	18
B00230282	6.280	35	5	0.75	2910	165	<0.5	37
B00230283	6.370	37	3	0.62	2100	119	<0.5	22
B00230284	3.240	121	9	0.60	1030	98	<0.5	33
B00230285	4.465	10	<2	0.54	941	236	<0.5	6
B00230286	2.460	21	<2	0.41	467	110	<0.5	7
B00230287	5.415	8	<2	0.47	136	146	<0.5	11
B00230288	4.830	11	<2	0.41	104	164	<0.5	15
B00230289	5.155	7	<2	0.44	152	27	<0.5	13
B00230290	5.090	10	2	0.42	169	23	<0.5	9
B00230291	5.250	9	2	0.52	214	32	<0.5	11
B00230292	5.340	<5	<2	0.47	72	30	<0.5	8
B00230293	5.495	8	<2	0.40	362	28	<0.5	6
B00230294	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230295	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230296	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230297	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230298	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230299	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230300	3.820	92	5	0.39	1970	59	<0.5	93

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	Element Method Det.Lim. Units	WtKg G_WGH79	@Au GE_FA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
B00230301		4.925	34	<2	0.44	1720	33	<0.5	20
B00230302		5.250	43	3	0.46	1590	145	<0.5	16
B00230303		3.200	80	3	0.47	1550	108	<0.5	12
B00230304		4.660	44	<2	0.36	368	73	<0.5	25
B00230305		4.890	11	<2	0.38	134	31	<0.5	19
B00230306		4.955	21	<2	0.43	101	63	<0.5	8
B00230307		4.785	40	<2	0.37	117	88	<0.5	7
B00230308		5.095	59	<2	0.42	286	104	<0.5	11
B00230309		5.135	69	<2	0.39	374	90	<0.5	6
B00230334		5.100	101	<2	0.54	743	25	<0.5	9
B00230335		2.915	42	<2	0.49	260	53	<0.5	8
B00230336		5.215	107	<2	0.53	332	194	<0.5	10
B00230337		5.230	95	<2	0.46	457	244	<0.5	6
B00230338		4.925	105	<2	0.50	391	332	<0.5	8
B00230339		5.190	84	<2	0.48	170	320	<0.5	6
B00230340		5.395	66	<2	0.47	279	238	<0.5	7
B00230341		5.395	70	<2	0.48	1180	65	<0.5	9
B00230342		5.070	79	<2	0.55	778	238	<0.5	8
B00230343		5.140	55	<2	0.42	444	225	<0.5	7
B00230344		6.975	<5	<2	0.47	50	112	<0.5	<5
B00230345		5.940	7	<2	0.47	53	94	<0.5	<5
B00230346		6.130	<5	<2	0.44	22	126	<0.5	<5
B00230347		6.610	<5	<2	0.41	37	363	<0.5	<5
B00230348		5.955	<5	<2	0.41	48	153	<0.5	<5
B00230349		5.875	<5	2	0.42	50	131	<0.5	<5
B00230350		6.075	113	7	0.42	1900	53	<0.5	10
B00230351		5.445	11	3	0.46	204	68	<0.5	6
B00230352		5.970	14	6	0.53	263	115	<0.5	11
B00230353		6.365	<5	3	0.53	96	170	<0.5	5
B00230354		6.120	25	5	0.42	164	113	<0.5	7
B00230355		6.025	8	6	0.47	27	73	<0.5	10
B00230356		5.960	6	<2	0.47	56	87	<0.5	<5
B00230357		6.225	12	3	0.52	67	139	<0.5	<5
B00230358		6.615	7	2	0.54	31	213	<0.5	<5

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Element Method Det.Lim. Units	Ca@ GE_ICP14B 0.01 %	Cd@ GE_ICP14B 1 ppm	Co@ GE_ICP14B 1 ppm	Cr@ GE_ICP14B 1 ppm	Cu@ GE_ICP14B 0.5 ppm	Fe@ GE_ICP14B 0.01 %	Hg@ GE_ICP14B 1 ppm	K@ GE_ICP14B 0.01 %
B00230261	0.10	4	9	5	176	5.07	<1	0.41
B00230262	0.14	4	11	6	223	5.81	<1	0.47
B00230263	0.21	6	12	7	210	7.25	<1	0.47
B00230264	0.23	8	8	7	210	8.80	<1	0.40
B00230265	0.20	7	6	6	254	6.97	<1	0.38
B00230266	0.23	7	6	5	314	7.74	<1	0.36
B00230267	0.23	6	9	6	154	6.86	<1	0.41
B00230268	0.22	7	7	6	137	6.68	<1	0.36
B00230269	0.29	9	9	7	162	7.00	<1	0.43
B00230270	0.24	7	8	7	151	6.27	<1	0.39
B00230271	0.22	8	6	6	212	6.91	<1	0.38
B00230272	0.24	10	10	5	184	6.24	<1	0.37
B00230273	0.23	7	13	5	238	7.64	2	0.39
B00230274	0.26	11	11	6	160	6.57	<1	0.43
B00230275	0.24	17	14	7	151	5.87	<1	0.39
B00230276	0.26	15	9	6	125	5.21	<1	0.46
B00230277	0.20	14	17	5	244	6.44	<1	0.39
B00230278	0.21	14	17	4	266	7.01	1	0.34
B00230279	0.21	16	8	5	200	6.00	<1	0.37
B00230280	0.24	10	13	5	247	5.73	<1	0.44
B00230281	0.27	9	11	5	277	5.72	<1	0.50
B00230282	0.15	13	10	5	294	4.51	<1	0.47
B00230283	0.13	8	14	5	281	5.82	<1	0.45
B00230284	0.11	26	6	5	340	6.03	<1	0.40
B00230285	0.06	15	3	5	82.0	3.47	<1	0.38
B00230286	0.07	5	3	5	280	2.57	<1	0.28
B00230287	0.11	7	4	5	108	4.85	<1	0.35
B00230288	0.06	14	3	4	87.2	4.58	<1	0.33
B00230289	0.05	13	4	5	96.6	4.84	<1	0.36
B00230290	0.07	7	3	4	127	5.50	<1	0.31
B00230291	0.12	8	4	5	132	6.14	<1	0.36
B00230292	0.16	7	3	5	118	5.74	<1	0.36
B00230293	0.04	5	4	5	108	4.36	<1	0.34
B00230294	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230295	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230296	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230297	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230298	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230299	LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230300	0.05	8	12	5	224	6.51	<1	0.29

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	Element Method Det.Lim. Units	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
B00230301		0.09	5	6	4	256	5.35	<1	0.33
B00230302		0.07	6	8	5	223	5.35	<1	0.35
B00230303		0.19	6	8	6	135	4.66	<1	0.33
B00230304		0.04	5	8	4	200	5.96	<1	0.28
B00230305		0.04	5	3	4	193	4.76	<1	0.29
B00230306		0.11	5	2	5	132	4.27	<1	0.33
B00230307		0.01	4	2	5	102	4.39	<1	0.29
B00230308		0.01	4	2	5	59.4	4.61	<1	0.31
B00230309		0.02	5	4	5	106	4.84	<1	0.32
B00230334		0.15	6	3	6	122	4.83	<1	0.45
B00230335		0.12	5	3	4	116	4.18	<1	0.39
B00230336		0.12	5	3	6	112	4.64	<1	0.43
B00230337		0.13	4	4	5	96.0	3.96	<1	0.42
B00230338		0.16	5	6	5	98.8	3.73	<1	0.45
B00230339		0.16	4	6	5	85.4	3.83	<1	0.44
B00230340		0.14	4	5	4	82.0	3.89	<1	0.40
B00230341		0.18	4	5	5	94.2	4.18	<1	0.42
B00230342		0.14	5	7	6	115	4.32	<1	0.47
B00230343		0.12	4	7	5	104	3.92	<1	0.39
B00230344		0.23	6	6	6	20.2	3.29	<1	0.34
B00230345		0.33	6	5	5	16.4	3.16	<1	0.35
B00230346		0.57	5	6	5	23.2	2.84	<1	0.33
B00230347		0.46	4	6	5	20.3	2.95	<1	0.31
B00230348		0.57	5	7	5	32.7	2.93	<1	0.31
B00230349		0.29	5	6	5	20.4	2.93	<1	0.31
B00230350		0.21	8	7	4	19.8	3.17	<1	0.32
B00230351		0.27	7	11	7	22.2	3.70	<1	0.32
B00230352		0.28	7	15	7	25.1	4.48	1	0.33
B00230353		0.29	5	8	8	21.0	3.62	<1	0.33
B00230354		0.32	6	8	6	30.5	4.02	<1	0.29
B00230355		0.58	5	7	9	20.7	3.21	<1	0.31
B00230356		0.35	5	6	8	18.7	3.08	<1	0.31
B00230357		0.30	7	8	7	26.3	4.17	<1	0.33
B00230358		0.33	6	7	9	20.6	4.21	<1	0.34

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	Element Method Det.Lim. Units	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
B00230261		1.0	1	0.14	1960	4	0.02	7	0.04
B00230262		1.4	2	0.17	1370	5	0.02	10	0.06
B00230263		2.3	1	0.22	1010	5	0.02	15	0.09
B00230264		3.3	2	0.30	1120	3	0.02	15	0.10
B00230265		3.0	1	0.20	797	5	0.02	12	0.08
B00230266		3.7	1	0.25	1170	<1	0.02	13	0.09
B00230267		3.3	18	0.23	984	6	0.02	12	0.09
B00230268		3.3	18	0.25	1460	2	0.02	14	0.09
B00230269		5.3	19	0.27	1830	2	0.02	19	0.11
B00230270		4.3	14	0.22	1670	3	0.02	15	0.10
B00230271		3.4	10	0.21	1650	2	0.02	14	0.09
B00230272		3.2	12	0.17	1500	<1	0.02	14	0.10
B00230273		4.6	7	0.15	1320	1	0.02	14	0.09
B00230274		3.8	12	0.18	1850	2	0.02	14	0.10
B00230275		4.7	11	0.22	2260	4	0.02	15	0.10
B00230276		4.8	11	0.22	2220	3	0.02	15	0.10
B00230277		3.7	1	0.17	3510	4	0.02	14	0.08
B00230278		2.5	1	0.18	3330	1	0.02	14	0.09
B00230279		2.3	6	0.21	3110	5	0.02	11	0.08
B00230280		3.6	3	0.19	4480	6	0.02	15	0.09
B00230281		2.5	4	0.22	4870	6	0.02	14	0.11
B00230282		2.5	4	0.16	3720	3	0.02	12	0.06
B00230283		2.8	2	0.19	5760	3	0.02	14	0.05
B00230284		2.1	3	0.17	6530	4	0.02	16	0.03
B00230285		5.5	2	0.09	1590	2	0.01	6	0.02
B00230286		2.8	1	0.05	559	1	0.01	<1	0.01
B00230287		2.7	1	0.16	1670	3	0.01	11	0.04
B00230288		1.8	1	0.16	1720	3	0.01	10	0.02
B00230289		2.5	<1	0.16	2040	2	0.01	11	<0.01
B00230290		2.8	1	0.14	3090	3	0.01	8	0.02
B00230291		2.0	2	0.17	4190	2	0.01	11	0.04
B00230292		3.9	1	0.13	3520	4	0.02	9	0.05
B00230293		5.2	<1	0.08	3010	16	0.01	7	<0.01
B00230294		LNR	LNR						
B00230295		LNR	LNR						
B00230296		LNR	LNR						
B00230297		LNR	LNR						
B00230298		LNR	LNR						
B00230299		LNR	LNR						
B00230300		1.6	<1	0.07	2750	4	0.01	10	0.02

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	Element Method Det.Lim. Units	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
B00230301		1.0	1	0.07	1550	4	0.01	10	0.04
B00230302		0.8	<1	0.08	2790	4	0.02	10	0.03
B00230303		1.9	<1	0.06	1890	3	0.01	10	0.08
B00230304		1.2	<1	0.05	1930	3	0.01	9	<0.01
B00230305		0.6	1	0.06	2180	4	0.01	15	0.01
B00230306		4.2	1	0.06	1900	2	0.01	7	0.04
B00230307		4.0	<1	0.02	62	4	0.01	5	<0.01
B00230308		7.2	<1	0.02	75	3	0.02	5	<0.01
B00230309		4.4	<1	0.02	526	4	0.01	4	<0.01
B00230334		4.4	<1	0.13	3580	4	0.02	7	0.05
B00230335		2.3	<1	0.12	3440	3	0.01	7	0.04
B00230336		2.9	<1	0.13	3670	3	0.02	7	0.04
B00230337		2.9	<1	0.10	3540	3	0.01	7	0.05
B00230338		4.2	<1	0.12	5610	2	0.01	8	0.05
B00230339		4.5	1	0.12	2510	2	0.01	8	0.05
B00230340		3.3	2	0.10	2920	2	0.01	7	0.05
B00230341		4.5	1	0.10	4040	1	0.02	7	0.06
B00230342		3.5	<1	0.11	3660	2	0.02	8	0.04
B00230343		4.1	<1	0.11	3190	1	0.01	7	0.04
B00230344		7.2	<1	0.18	3300	3	0.01	9	0.06
B00230345		7.5	1	0.21	4460	3	0.01	10	0.07
B00230346		9.3	1	0.24	4200	3	0.01	9	0.06
B00230347		10.2	1	0.22	3880	2	0.01	9	0.07
B00230348		11.4	1	0.22	3830	3	0.01	10	0.07
B00230349		9.3	2	0.19	4580	3	0.01	9	0.07
B00230350		11.5	1	0.14	3090	3	<0.01	8	0.07
B00230351		8.2	2	0.22	3720	6	0.01	28	0.08
B00230352		7.2	2	0.24	4030	9	0.01	36	0.09
B00230353		7.8	2	0.20	3720	5	0.01	19	0.09
B00230354		7.2	2	0.21	4050	12	0.01	19	0.08
B00230355		6.9	2	0.26	3870	122	0.01	21	0.08
B00230356		6.2	2	0.21	3630	11	0.01	14	0.09
B00230357		7.2	2	0.24	3870	3	0.01	14	0.09
B00230358		6.6	3	0.31	4690	3	0.01	13	0.09

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	Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
	Det.Lim. Units	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
B00230261		12	2.95	78	0.7	<10	19	<0.01	8
B00230262		24	3.89	95	0.7	<10	22	<0.01	9
B00230263		13	4.14	137	1.3	<10	36	<0.01	14
B00230264		8	4.87	124	1.1	<10	23	<0.01	13
B00230265		8	4.70	120	0.9	<10	19	<0.01	10
B00230266		14	4.54	98	0.8	<10	20	<0.01	10
B00230267		23	3.38	50	0.9	<10	50	<0.01	11
B00230268		27	3.15	25	0.8	<10	52	<0.01	11
B00230269		21	2.98	12	1.3	<10	57	<0.01	16
B00230270		27	3.11	12	1.0	<10	50	<0.01	13
B00230271		47	4.20	19	0.9	<10	39	<0.01	12
B00230272		37	3.55	17	0.9	<10	48	<0.01	11
B00230273		45	>5.00	38	0.6	<10	33	<0.01	9
B00230274		37	3.68	46	1.0	<10	58	<0.01	13
B00230275		34	3.05	46	1.3	<10	51	<0.01	16
B00230276		39	2.59	43	1.3	<10	66	<0.01	15
B00230277		113	>5.00	47	0.8	<10	30	<0.01	8
B00230278		73	>5.00	63	0.8	<10	26	<0.01	9
B00230279		102	3.58	42	0.9	<10	45	<0.01	9
B00230280		196	3.70	58	0.6	<10	39	<0.01	7
B00230281		90	3.34	40	0.6	<10	59	<0.01	8
B00230282		488	3.30	97	0.7	<10	57	<0.01	8
B00230283		162	3.80	54	0.7	<10	25	<0.01	8
B00230284		761	4.21	105	0.8	<10	27	<0.01	7
B00230285		130	1.91	50	<0.5	<10	31	<0.01	4
B00230286		101	3.24	>10000	<0.5	<10	28	<0.01	3
B00230287		88	2.64	50	0.7	<10	39	<0.01	7
B00230288		94	2.50	35	0.6	<10	33	<0.01	7
B00230289		85	2.56	37	0.5	<10	29	<0.01	7
B00230290		244	3.47	33	<0.5	<10	22	<0.01	5
B00230291		137	3.32	39	0.5	<10	38	<0.01	7
B00230292		160	3.34	52	<0.5	<10	33	<0.01	5
B00230293		121	3.00	21	<0.5	<10	13	<0.01	3
B00230294		LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230295		LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230296		LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230297		LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230298		LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230299		LNR	LNR	LNR	LNR	LNR	LNR	LNR	LNR
B00230300		114	>5.00	42	<0.5	<10	21	<0.01	5

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Element Method Det.Lim. Units	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
B00230301	53	4.88	45	<0.5	<10	30	<0.01	5
B00230302	107	4.33	60	0.5	<10	34	<0.01	6
B00230303	148	4.42	71	0.7	<10	97	<0.01	7
B00230304	32	>5.00	17	<0.5	<10	17	<0.01	3
B00230305	64	3.69	51	<0.5	<10	20	<0.01	4
B00230306	45	3.29	30	<0.5	<10	43	<0.01	3
B00230307	9	>5.00	10	<0.5	<10	11	<0.01	2
B00230308	17	>5.00	14	<0.5	<10	11	<0.01	2
B00230309	21	>5.00	13	<0.5	<10	10	<0.01	2
B00230334	152	2.35	47	0.7	<10	58	<0.01	8
B00230335	71	2.52	42	0.5	<10	44	<0.01	6
B00230336	59	2.90	32	<0.5	<10	56	<0.01	7
B00230337	49	2.21	34	0.5	<10	56	<0.01	6
B00230338	146	2.01	48	0.6	<10	67	<0.01	7
B00230339	44	2.04	29	0.6	<10	53	<0.01	7
B00230340	39	2.09	36	0.6	<10	62	<0.01	7
B00230341	44	2.32	36	0.6	<10	80	<0.01	7
B00230342	85	2.49	39	0.7	<10	69	<0.01	8
B00230343	62	1.93	27	0.6	<10	52	<0.01	8
B00230344	45	1.28	9	1.0	<10	24	<0.01	7
B00230345	53	1.05	6	1.0	<10	22	<0.01	8
B00230346	63	1.00	6	1.1	<10	19	<0.01	8
B00230347	93	1.09	5	1.1	<10	20	<0.01	7
B00230348	211	1.15	41	1.1	<10	18	<0.01	8
B00230349	172	0.94	11	0.9	<10	16	<0.01	7
B00230350	652	1.99	18	0.7	<10	14	<0.01	6
B00230351	99	1.45	10	1.1	<10	15	<0.01	13
B00230352	329	2.24	18	1.1	<10	18	<0.01	14
B00230353	109	1.56	7	1.3	<10	24	<0.01	13
B00230354	137	1.73	15	1.1	<10	24	<0.01	11
B00230355	154	1.29	14	1.5	<10	28	<0.01	15
B00230356	94	1.07	5	1.4	<10	24	<0.01	15
B00230357	128	1.79	11	1.3	<10	26	<0.01	14
B00230358	90	0.81	<5	1.6	<10	28	<0.01	17

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Element	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B	Sb GO_ICP90Q
Method	10 ppm	0.5 ppm	1 ppm	0.5 ppm	0.01 %
Det.Lim.					
Units					
B00230261	<10	2.1	45	6.9	N.A.
B00230262	<10	2.8	46	6.9	N.A.
B00230263	<10	4.1	36	5.3	N.A.
B00230264	<10	4.0	23	5.6	N.A.
B00230265	<10	3.6	17	6.1	N.A.
B00230266	<10	3.7	19	5.1	N.A.
B00230267	<10	4.4	37	5.9	N.A.
B00230268	<10	4.5	83	5.1	N.A.
B00230269	<10	4.9	354	4.8	N.A.
B00230270	<10	4.3	185	5.0	N.A.
B00230271	<10	4.5	175	5.0	N.A.
B00230272	<10	5.0	628	4.5	N.A.
B00230273	<10	4.0	73	4.6	N.A.
B00230274	<10	4.8	711	4.3	N.A.
B00230275	<10	4.0	1710	4.3	N.A.
B00230276	<10	4.4	1620	5.3	N.A.
B00230277	<10	3.3	1330	4.5	N.A.
B00230278	<10	3.8	1170	4.2	N.A.
B00230279	<10	4.6	1740	4.4	N.A.
B00230280	<10	3.8	793	4.6	N.A.
B00230281	<10	3.5	585	4.5	N.A.
B00230282	<10	2.9	1620	4.4	N.A.
B00230283	<10	3.2	473	5.0	N.A.
B00230284	<10	2.7	3590	4.9	N.A.
B00230285	<10	2.9	2460	6.9	N.A.
B00230286	<10	1.5	470	4.3	2.47
B00230287	<10	2.9	512	7.2	N.A.
B00230288	<10	2.1	1770	7.0	N.A.
B00230289	<10	1.7	1550	7.3	N.A.
B00230290	<10	2.2	552	7.5	N.A.
B00230291	<10	3.3	437	8.0	N.A.
B00230292	<10	3.6	477	8.1	N.A.
B00230293	<10	1.8	261	10.9	N.A.
B00230294	LNR	LNR	LNR	LNR	N.A.
B00230295	LNR	LNR	LNR	LNR	N.A.
B00230296	LNR	LNR	LNR	LNR	N.A.
B00230297	LNR	LNR	LNR	LNR	N.A.
B00230298	LNR	LNR	LNR	LNR	N.A.
B00230299	LNR	LNR	LNR	LNR	N.A.
B00230300	<10	1.9	349	7.1	N.A.

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Element Method Det.Lim. Units	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B	Sb GO_ICP90Q
B00230301	<10	2.2	137	6.5	N.A.
B00230302	<10	1.7	190	6.9	N.A.
B00230303	<10	2.8	383	8.0	N.A.
B00230304	<10	1.7	36	11.5	N.A.
B00230305	<10	1.7	119	8.0	N.A.
B00230306	<10	2.6	139	12.4	N.A.
B00230307	<10	1.4	11	13.7	N.A.
B00230308	<10	1.5	27	13.5	N.A.
B00230309	<10	1.4	105	13.3	N.A.
B00230334	<10	4.4	347	7.6	N.A.
B00230335	<10	3.4	317	6.0	N.A.
B00230336	<10	3.4	201	5.8	N.A.
B00230337	<10	4.4	192	5.3	N.A.
B00230338	<10	5.2	330	5.4	N.A.
B00230339	<10	5.0	120	5.7	N.A.
B00230340	<10	4.2	119	4.9	N.A.
B00230341	<10	4.5	109	5.2	N.A.
B00230342	<10	3.7	198	5.3	N.A.
B00230343	<10	3.8	146	4.5	N.A.
B00230344	<10	3.9	562	9.0	N.A.
B00230345	<10	4.5	664	9.5	N.A.
B00230346	<10	4.3	444	10.3	N.A.
B00230347	<10	4.4	384	10.7	N.A.
B00230348	<10	4.3	590	10.1	N.A.
B00230349	<10	4.1	584	8.6	N.A.
B00230350	<10	3.8	1170	10.8	N.A.
B00230351	<10	4.8	795	9.2	N.A.
B00230352	<10	4.9	591	10.1	N.A.
B00230353	<10	4.5	361	9.1	N.A.
B00230354	<10	4.2	564	8.1	N.A.
B00230355	<10	4.3	420	8.7	N.A.
B00230356	<10	4.7	572	9.4	N.A.
B00230357	<10	4.8	648	10.4	N.A.
B00230358	<10	5.1	536	9.5	N.A.

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## Certificate of Analysis

Work Order : VC143745  
[Report File No.: 0000009806]

To: Peter Holbek  
COPPER MOUNTAIN MINE (BC) LTD  
1700-700 WEST PENDER STREET  
VANCOUVER BC V6C 1G8

Date: Dec 17, 2014

P.O. No. : B00230359-B00230479  
Project No. : FENTON PROJECT  
No. Of Samples : 74  
Date Submitted : Nov 26, 2014  
Report Comprises : Pages 1 to 11  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files:

Certified By :



Cam Chiang  
Assistant Operations Manager

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable -- = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element Method	WtKg G_WGH79	@Au GE_FAA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
Det.Lim. Units	0.01 kg	5 ppb	2 ppm	0.01 %	3 ppm	5 ppm	0.5 ppm	5 ppm
B00230359	6.280	5	2	0.63	25	71	<0.5	<5
B00230360	6.325	12	3	0.61	69	65	<0.5	5
B00230361	6.340	30	9	0.78	67	128	<0.5	15
B00230362	6.215	27	5	0.57	201	224	<0.5	6
B00230363	6.065	16	5	0.56	138	93	<0.5	<5
B00230364	5.780	39	3	0.62	568	129	<0.5	<5
B00230365	6.225	26	3	0.57	170	113	<0.5	<5
B00230366	6.210	62	6	0.56	276	112	<0.5	<5
B00230367	6.265	<5	3	0.53	55	128	<0.5	<5
B00230368	5.960	82	6	0.53	718	78	<0.5	13
B00230369	6.260	53	6	0.64	478	104	<0.5	8
B00230370	6.310	58	4	0.67	690	157	<0.5	8
B00230371	6.070	37	4	0.66	84	66	<0.5	7
B00230372	6.455	29	3	0.70	72	151	<0.5	6
B00230373	5.940	23	3	0.71	210	73	<0.5	<5
B00230374	6.405	63	3	0.57	171	85	<0.5	6
B00230375	6.445	47	3	0.63	287	91	<0.5	<5
B00230376	6.325	14	2	0.57	183	93	<0.5	<5
B00230377	5.980	17	2	0.52	197	104	<0.5	<5
B00230378	6.220	13	<2	0.60	207	158	<0.5	<5
B00230379	6.050	<5	<2	0.64	46	162	<0.5	<5
B00230380	5.635	11	<2	0.58	71	165	<0.5	<5
B00230381	6.085	12	<2	0.73	62	195	<0.5	<5
B00230382	5.750	23	3	0.64	143	179	<0.5	<5
B00230383	5.910	15	2	0.63	88	203	<0.5	<5
B00230384	5.750	35	4	0.62	184	210	<0.5	6
B00230385	5.825	48	4	0.63	203	188	<0.5	<5
B00230386	5.990	36	4	0.52	147	167	<0.5	6
B00230387	5.725	23	3	0.56	139	254	<0.5	<5
B00230388	5.985	18	<2	0.46	67	214	<0.5	<5
B00230389	5.635	11	<2	0.50	108	172	<0.5	<5
B00230390	5.845	58	3	0.52	417	226	<0.5	<5
B00230391	5.700	13	<2	0.48	100	204	<0.5	<5
B00230392	5.940	14	<2	0.56	94	223	<0.5	<5
B00230393	6.095	<5	<2	0.55	108	257	<0.5	<5
B00230394	5.795	8	<2	0.62	88	211	<0.5	<5
B00230395	5.750	14	<2	0.58	120	250	<0.5	<5
B00230396	6.035	13	2	0.53	113	246	<0.5	<5
B00230397	5.890	<5	<2	0.47	45	227	<0.5	<5
B00230398	6.110	9	3	0.55	40	151	<0.5	<5

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Report File No.: 0000009806

Element	WtKg	@Au	Ag@	Al@	As@	Ba@	Be@	Bi@
Method	G_WGH79	GE_FA313	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	5	2	0.01	3	5	0.5	5
Units	kg	ppb	ppm	%	ppm	ppm	ppm	ppm
B00230399	6.230	14	2	0.56	118	217	<0.5	<5
B00230400	6.085	112	2	0.57	6990	157	<0.5	<5
B00230401	6.060	40	2	0.62	154	125	<0.5	<5
B00230402	6.040	49	2	0.60	444	316	<0.5	<5
B00230403	6.030	14	2	0.63	63	211	<0.5	<5
B00230404	2.115	19	<2	0.73	60	303	0.5	<5
B00230451	4.630	45	5	0.55	998	40	<0.5	27
B00230452	3.460	123	7	0.45	506	51	<0.5	36
B00230453	4.755	8	2	0.59	1630	68	<0.5	9
B00230454	4.545	19	<2	0.50	631	84	<0.5	5
B00230455	4.930	8	<2	0.49	805	35	<0.5	<5
B00230456	4.570	<5	<2	0.46	373	139	<0.5	6
B00230457	4.985	10	<2	0.50	143	46	<0.5	6
B00230458	5.120	12	<2	0.48	186	151	<0.5	10
B00230459	5.440	52	3	0.52	356	199	<0.5	9
B00230460	5.365	31	<2	0.51	193	166	<0.5	<5
B00230461	5.380	17	<2	0.42	186	157	<0.5	5
B00230462	5.370	6	<2	0.52	124	164	<0.5	6
B00230463	5.315	5	<2	0.40	260	116	<0.5	5
B00230464	5.135	127	3	0.51	271	70	<0.5	8
B00230465	5.330	9	<2	0.50	488	44	<0.5	6
B00230466	4.000	17	<2	0.60	1040	82	<0.5	<5
B00230467	4.460	13	<2	0.48	1250	83	<0.5	<5
B00230469	5.205	29	2	0.47	1260	160	<0.5	10
B00230470	5.425	27	<2	0.48	193	46	<0.5	<5
B00230471	5.775	14	<2	0.45	107	40	<0.5	<5
B00230472	5.630	24	2	0.43	84	46	<0.5	7
B00230473	4.590	19	<2	0.59	37	152	<0.5	7
B00230474	4.790	35	<2	0.46	45	38	<0.5	9
B00230475	3.685	67	7	0.59	96	38	0.5	21
B00230476	3.105	153	5	0.49	380	57	<0.5	11
B00230477	4.925	129	7	0.48	131	57	<0.5	15
B00230478	5.160	56	4	0.51	161	136	0.5	22
B00230479	4.410	76	5	0.43	181	63	<0.5	19

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	Element Method Det.Lim. Units	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
B00230359		0.29	1	7	7	24.9	3.56	<1	0.39
B00230360		0.32	1	6	6	32.9	4.23	<1	0.40
B00230361		0.32	2	6	6	34.1	4.04	<1	0.50
B00230362		0.31	2	8	6	26.1	3.87	<1	0.37
B00230363		0.32	4	6	6	34.2	4.36	<1	0.37
B00230364		0.31	2	6	6	28.8	4.61	<1	0.39
B00230365		0.35	3	5	5	24.8	4.37	<1	0.38
B00230366		0.37	4	6	5	32.5	4.60	<1	0.39
B00230367		0.32	3	5	6	24.7	4.41	<1	0.37
B00230368		0.31	8	16	5	26.9	4.22	<1	0.37
B00230369		0.30	3	15	7	27.1	4.56	<1	0.41
B00230370		0.33	1	28	7	37.7	5.25	<1	0.43
B00230371		0.28	<1	6	6	28.2	3.92	<1	0.44
B00230372		0.30	3	7	7	31.4	4.42	<1	0.43
B00230373		0.29	3	9	7	29.6	4.34	<1	0.42
B00230374		0.29	5	8	6	23.0	4.21	<1	0.36
B00230375		0.29	4	14	7	24.7	4.31	<1	0.38
B00230376		0.27	3	11	7	26.5	3.67	<1	0.35
B00230377		0.29	2	7	6	23.8	3.75	<1	0.35
B00230378		0.29	1	6	8	16.2	4.18	<1	0.38
B00230379		0.27	1	8	7	20.5	3.74	<1	0.38
B00230380		0.28	<1	9	7	21.4	3.93	<1	0.35
B00230381		0.28	1	8	8	21.6	4.13	<1	0.42
B00230382		0.27	2	6	7	22.6	3.95	<1	0.39
B00230383		0.28	2	8	7	22.5	4.20	<1	0.39
B00230384		0.27	1	7	14	17.7	3.36	<1	0.38
B00230385		0.33	4	6	8	18.8	3.13	<1	0.39
B00230386		0.25	2	5	6	19.1	3.09	<1	0.34
B00230387		0.27	13	6	6	31.7	3.34	<1	0.34
B00230388		0.25	3	6	6	21.6	2.95	<1	0.30
B00230389		0.94	4	9	5	31.6	3.56	<1	0.34
B00230390		1.35	4	11	6	30.3	3.98	<1	0.35
B00230391		0.44	2	8	6	21.2	3.17	<1	0.31
B00230392		0.34	3	9	8	30.8	3.49	<1	0.32
B00230393		0.79	5	7	7	24.9	3.19	<1	0.33
B00230394		0.94	6	7	6	19.5	2.89	<1	0.37
B00230395		0.45	6	6	7	18.1	2.85	<1	0.32
B00230396		0.30	6	7	7	24.9	3.71	<1	0.29
B00230397		0.64	4	6	7	20.7	3.14	<1	0.29
B00230398		0.29	4	7	6	32.4	4.72	<1	0.36

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Element Method Det.Lim. Units	Ca@ GE_ICP14B 0.01 %	Cd@ GE_ICP14B 1 ppm	Co@ GE_ICP14B 1 ppm	Cr@ GE_ICP14B 1 ppm	Cu@ GE_ICP14B 0.5 ppm	Fe@ GE_ICP14B 0.01 %	Hg@ GE_ICP14B 1 ppm	K@ GE_ICP14B 0.01 %
B00230399	0.27	8	6	7	26.1	4.63	<1	0.39
B00230400	0.26	2	32	7	17.8	3.98	<1	0.40
B00230401	0.27	4	8	7	29.8	4.72	<1	0.42
B00230402	0.27	3	8	7	22.2	4.31	<1	0.38
B00230403	0.27	3	5	6	26.0	4.10	<1	0.37
B00230404	0.26	<1	5	5	16.0	2.01	<1	0.34
B00230451	0.02	<1	1	3	110	3.36	<1	0.41
B00230452	0.03	<1	3	3	72.8	3.93	<1	0.33
B00230453	0.04	8	5	1	29.5	3.32	<1	0.30
B00230454	0.04	10	5	2	33.5	2.88	<1	0.27
B00230455	0.03	16	5	1	28.2	2.76	<1	0.28
B00230456	0.03	10	4	1	25.1	2.51	<1	0.22
B00230457	0.03	3	5	2	11.5	2.54	<1	0.23
B00230458	0.04	16	5	2	24.2	2.70	<1	0.26
B00230459	0.03	14	6	2	27.5	3.24	<1	0.26
B00230460	0.04	19	5	3	27.3	3.02	<1	0.27
B00230461	0.04	28	7	3	28.9	3.52	<1	0.25
B00230462	0.04	21	6	3	26.6	3.54	<1	0.30
B00230463	0.04	25	6	3	29.3	3.50	<1	0.31
B00230464	0.04	24	6	3	31.7	3.50	<1	0.29
B00230465	0.03	17	5	3	25.4	3.01	<1	0.26
B00230466	0.04	19	6	4	30.1	2.92	<1	0.25
B00230467	0.04	20	6	2	20.2	3.17	<1	0.24
B00230469	0.04	21	6	3	30.8	3.33	<1	0.28
B00230470	0.05	24	7	3	23.4	3.45	<1	0.29
B00230471	0.05	18	6	2	24.8	2.99	<1	0.27
B00230472	0.07	19	6	2	33.0	2.95	<1	0.29
B00230473	0.10	12	6	2	25.3	3.10	<1	0.38
B00230474	0.10	8	15	1	13.9	4.12	<1	0.34
B00230475	0.07	<1	8	3	5.7	5.86	<1	0.38
B00230476	0.09	4	9	3	14.5	6.49	<1	0.34
B00230477	0.13	6	11	2	14.9	6.30	<1	0.35
B00230478	0.09	1	19	3	7.9	5.10	<1	0.36
B00230479	0.08	2	11	3	15.0	5.92	<1	0.30

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Element Method Det.Lim. Units	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
B00230359	7.2	4	0.22	4090	2	0.01	13	0.09
B00230360	8.0	3	0.20	4660	3	0.01	14	0.09
B00230361	9.4	3	0.19	4860	2	0.01	13	0.09
B00230362	8.7	3	0.24	5270	2	0.01	12	0.09
B00230363	7.9	3	0.27	5720	2	0.01	13	0.09
B00230364	6.9	3	0.28	5560	2	0.01	14	0.09
B00230365	6.2	3	0.28	5900	2	0.01	14	0.09
B00230366	6.1	2	0.25	8440	2	0.01	14	0.09
B00230367	6.8	3	0.28	6690	2	0.01	14	0.09
B00230368	7.4	3	0.22	5080	3	0.01	12	0.09
B00230369	6.3	3	0.26	5070	3	0.01	14	0.09
B00230370	8.0	3	0.22	4990	3	0.01	15	0.09
B00230371	7.6	3	0.19	3140	3	0.01	12	0.08
B00230372	7.9	4	0.21	3580	2	0.01	13	0.09
B00230373	8.5	4	0.20	3410	2	0.01	12	0.09
B00230374	8.4	3	0.20	3180	3	0.01	11	0.09
B00230375	8.6	3	0.18	3520	4	0.01	14	0.09
B00230376	7.6	4	0.22	3350	3	0.02	13	0.09
B00230377	8.2	3	0.20	4220	4	0.02	14	0.09
B00230378	8.8	3	0.24	5190	3	0.02	12	0.09
B00230379	8.1	4	0.20	4420	5	0.02	21	0.08
B00230380	7.2	4	0.21	4400	3	0.02	12	0.08
B00230381	10.1	4	0.21	3720	3	0.02	13	0.09
B00230382	8.8	4	0.23	4490	2	0.02	14	0.09
B00230383	8.1	4	0.24	4300	3	0.02	15	0.09
B00230384	7.9	4	0.18	4200	4	0.02	19	0.09
B00230385	7.1	3	0.14	3760	4	0.02	16	0.09
B00230386	7.9	3	0.15	4260	4	0.02	15	0.09
B00230387	8.7	4	0.15	3630	4	0.01	12	0.09
B00230388	8.2	3	0.15	3880	3	0.01	13	0.09
B00230389	8.3	3	0.33	3880	3	0.01	14	0.09
B00230390	7.5	3	0.43	3910	2	0.01	14	0.09
B00230391	8.6	3	0.21	3630	3	0.01	13	0.09
B00230392	9.0	4	0.23	3750	4	0.01	15	0.09
B00230393	7.7	4	0.32	3650	10	0.01	16	0.09
B00230394	8.6	4	0.33	3440	3	0.01	15	0.09
B00230395	8.6	4	0.24	3530	6	0.01	14	0.10
B00230396	7.9	4	0.19	3640	3	0.01	14	0.09
B00230397	8.6	3	0.26	3380	5	0.01	14	0.09
B00230398	6.9	3	0.24	3450	2	0.01	17	0.09

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	Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
B00230399		7.3	3	0.30	3790	5	0.02	18	0.09
B00230400		7.2	3	0.25	3570	3	0.02	14	0.09
B00230401		7.3	3	0.26	3720	2	0.02	13	0.08
B00230402		7.6	3	0.26	5030	4	0.02	12	0.08
B00230403		5.9	4	0.22	4560	5	0.02	16	0.09
B00230404		5.9	5	0.15	3680	7	0.02	15	0.09
B00230451		10.4	2	0.05	1970	3	0.01	4	<0.01
B00230452		10.4	1	0.05	2250	3	0.01	3	<0.01
B00230453		3.0	5	0.07	4610	3	<0.01	3	<0.01
B00230454		2.8	4	0.06	3310	3	<0.01	3	<0.01
B00230455		2.4	4	0.06	3540	3	<0.01	2	<0.01
B00230456		2.8	4	0.05	3500	2	<0.01	2	<0.01
B00230457		2.1	4	0.04	1460	3	<0.01	3	<0.01
B00230458		5.2	4	0.06	3300	3	<0.01	3	<0.01
B00230459		3.6	4	0.06	2950	3	0.01	3	<0.01
B00230460		3.4	4	0.08	4390	3	<0.01	4	<0.01
B00230461		2.9	3	0.08	3840	3	<0.01	4	<0.01
B00230462		3.4	3	0.08	3790	3	0.01	4	<0.01
B00230463		5.5	2	0.07	5080	3	0.01	4	<0.01
B00230464		4.7	3	0.07	5150	3	0.01	4	<0.01
B00230465		4.8	4	0.07	4220	3	0.01	4	<0.01
B00230466		4.7	6	0.09	3570	3	0.01	4	<0.01
B00230467		4.9	4	0.07	3490	3	0.01	4	<0.01
B00230469		7.2	4	0.07	4860	3	0.01	5	<0.01
B00230470		6.9	3	0.09	5780	3	0.01	4	<0.01
B00230471		7.0	4	0.09	5980	3	0.01	3	<0.01
B00230472		8.1	3	0.09	5070	3	0.01	4	0.01
B00230473		4.0	3	0.09	3540	3	0.01	3	0.02
B00230474		1.3	2	0.11	6620	2	0.01	4	0.01
B00230475		2.3	3	0.07	2800	2	0.02	8	0.01
B00230476		4.0	2	0.05	1500	2	0.01	6	0.03
B00230477		2.8	1	0.07	2980	2	0.02	4	0.04
B00230478		6.4	2	0.15	5330	3	0.02	7	0.01
B00230479		4.6	2	0.07	3460	9	0.02	7	0.02

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Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
Det.Lim. Units	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
B00230359	80	1.28	6	1.3	<10	29	<0.01	15
B00230360	135	1.94	12	0.9	<10	33	<0.01	10
B00230361	427	2.18	21	1.0	<10	33	<0.01	11
B00230362	233	1.73	13	1.1	<10	35	<0.01	13
B00230363	217	1.90	19	1.1	<10	39	<0.01	11
B00230364	116	2.16	12	1.2	<10	46	<0.01	13
B00230365	197	1.83	18	1.1	<10	38	<0.01	11
B00230366	476	2.31	35	0.9	<10	37	<0.01	9
B00230367	70	1.66	17	1.1	<10	43	<0.01	10
B00230368	141	2.21	15	0.8	<10	40	<0.01	8
B00230369	96	1.91	21	1.2	<10	45	<0.01	12
B00230370	172	2.77	13	1.0	<10	46	<0.01	10
B00230371	97	2.01	10	0.8	<10	34	<0.01	10
B00230372	115	2.21	11	1.0	<10	41	<0.01	13
B00230373	182	2.05	8	1.0	<10	36	<0.01	13
B00230374	195	2.22	7	1.0	<10	39	<0.01	13
B00230375	159	2.16	8	1.0	<10	36	<0.01	12
B00230376	88	1.44	9	1.0	<10	38	<0.01	12
B00230377	96	1.54	6	0.9	<10	41	<0.01	10
B00230378	52	1.17	7	1.2	<10	41	<0.01	13
B00230379	64	0.79	6	1.1	<10	41	<0.01	11
B00230380	39	1.36	9	1.1	<10	48	<0.01	11
B00230381	48	1.71	10	1.1	<10	39	<0.01	12
B00230382	76	1.63	<5	1.1	<10	39	<0.01	13
B00230383	68	1.72	6	1.1	<10	40	<0.01	13
B00230384	83	1.70	6	1.0	<10	41	<0.01	13
B00230385	158	2.08	6	1.0	<10	50	<0.01	11
B00230386	109	1.69	6	1.0	<10	36	<0.01	11
B00230387	96	2.01	7	1.0	<10	37	<0.01	10
B00230388	48	1.37	<5	1.1	<10	34	<0.01	10
B00230389	73	2.01	9	1.0	<10	37	<0.01	10
B00230390	111	2.42	10	0.9	<10	43	<0.01	10
B00230391	79	1.52	<5	1.2	<10	37	<0.01	10
B00230392	96	1.45	6	1.4	<10	36	<0.01	14
B00230393	81	1.40	<5	1.2	<10	42	<0.01	13
B00230394	118	1.25	5	1.2	<10	42	<0.01	13
B00230395	133	0.99	<5	1.0	<10	37	<0.01	12
B00230396	144	2.01	7	1.1	<10	34	<0.01	15
B00230397	92	1.61	6	1.1	<10	38	<0.01	13
B00230398	118	2.43	7	0.8	<10	31	<0.01	11

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	Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
	Det.Lim. Units	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
B00230399		180	2.14	8	1.0	<10	30	<0.01	12
B00230400		102	1.67	16	0.8	<10	28	<0.01	9
B00230401		118	2.49	9	0.8	<10	29	<0.01	8
B00230402		142	1.45	7	0.8	<10	39	<0.01	9
B00230403		88	1.68	5	0.8	<10	59	<0.01	10
B00230404		46	0.70	8	1.2	<10	99	<0.01	8
B00230451		67	2.52	37	<0.5	<10	21	<0.01	2
B00230452		142	3.44	51	<0.5	<10	14	<0.01	2
B00230453		68	1.46	13	1.1	<10	73	<0.01	8
B00230454		80	1.56	13	1.2	<10	35	<0.01	8
B00230455		49	1.38	9	1.2	<10	38	<0.01	8
B00230456		56	1.25	10	1.1	<10	50	<0.01	8
B00230457		27	2.30	5	0.9	<10	54	<0.01	6
B00230458		59	1.64	18	1.1	<10	58	<0.01	7
B00230459		251	2.38	14	1.2	<10	54	<0.01	9
B00230460		94	1.30	15	1.5	<10	49	<0.01	10
B00230461		31	1.83	8	1.7	<10	43	<0.01	13
B00230462		37	1.66	8	1.4	<10	65	<0.01	10
B00230463		61	1.39	12	1.2	<10	48	<0.01	8
B00230464		362	1.53	11	1.5	<10	46	<0.01	11
B00230465		59	1.31	10	1.3	<10	48	<0.01	11
B00230466		40	1.03	6	1.6	<10	61	<0.01	14
B00230467		41	1.88	<5	1.5	<10	61	<0.01	11
B00230469		125	1.68	13	1.4	<10	57	<0.01	9
B00230470		76	1.16	6	1.5	<10	60	<0.01	12
B00230471		70	0.89	7	1.2	<10	61	<0.01	9
B00230472		103	1.49	6	1.0	<10	69	<0.01	6
B00230473		6	2.25	<5	1.0	<10	85	<0.01	7
B00230474		12	2.96	<5	1.6	<10	95	<0.01	11
B00230475		299	>5.00	44	0.7	<10	118	<0.01	8
B00230476		431	>5.00	56	<0.5	<10	91	<0.01	6
B00230477		939	>5.00	48	0.8	<10	86	<0.01	8
B00230478		92	4.46	8	0.5	<10	81	<0.01	6
B00230479		112	>5.00	7	<0.5	<10	80	<0.01	4

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Report File No.: 0000009806

Element Method Det.Lim. Units	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B
	10 ppm	0.5 ppm	1 ppm	0.5 ppm
B00230359	<10	5.2	321	10.1
B00230360	<10	5.8	389	11.3
B00230361	<10	6.9	429	12.5
B00230362	<10	5.7	481	9.9
B00230363	<10	5.3	988	9.8
B00230364	<10	4.9	660	9.7
B00230365	<10	4.8	739	9.1
B00230366	<10	4.8	1090	9.1
B00230367	<10	4.8	759	9.1
B00230368	<10	4.7	1660	8.9
B00230369	<10	4.9	756	8.8
B00230370	<10	5.6	439	10.5
B00230371	<10	5.1	274	10.1
B00230372	<10	5.6	724	9.6
B00230373	<10	5.1	818	9.2
B00230374	<10	5.5	1220	9.6
B00230375	<10	5.3	1030	9.8
B00230376	<10	4.7	669	8.3
B00230377	<10	4.7	572	8.3
B00230378	<10	5.1	320	8.9
B00230379	<10	4.7	422	8.9
B00230380	<10	4.9	300	8.7
B00230381	<10	4.9	310	8.8
B00230382	<10	4.9	578	8.6
B00230383	<10	5.1	577	8.4
B00230384	<10	5.2	349	9.0
B00230385	<10	4.8	1060	9.5
B00230386	<10	5.1	512	9.1
B00230387	<10	5.1	2550	9.3
B00230388	<10	5.1	714	8.6
B00230389	<10	5.3	849	9.3
B00230390	<10	5.1	903	9.4
B00230391	<10	4.8	492	8.4
B00230392	<10	4.8	684	8.7
B00230393	<10	4.8	1080	8.7
B00230394	<10	5.0	1410	9.4
B00230395	<10	5.2	1320	8.8
B00230396	<10	4.8	1320	7.8
B00230397	<10	4.9	1090	7.5
B00230398	<10	4.5	962	5.8

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Element Method Det.Lim. Units	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B
B00230399	<10	4.7	1790	7.1
B00230400	<10	4.2	645	6.2
B00230401	<10	4.1	880	7.1
B00230402	<10	3.9	809	6.3
B00230403	<10	5.6	730	7.2
B00230404	<10	5.6	66	7.3
B00230451	<10	1.9	73	10.4
B00230452	<10	2.0	117	10.0
B00230453	<10	2.7	1490	9.9
B00230454	<10	2.7	1780	11.2
B00230455	<10	2.6	2820	9.9
B00230456	<10	2.7	1860	9.7
B00230457	<10	2.9	590	11.8
B00230458	<10	3.2	2830	10.2
B00230459	<10	2.9	2680	9.7
B00230460	<10	3.1	3380	9.3
B00230461	<10	2.8	4750	8.9
B00230462	<10	3.0	3650	9.2
B00230463	<10	3.0	4310	8.2
B00230464	<10	3.3	4230	8.8
B00230465	<10	3.2	3140	8.1
B00230466	<10	3.4	3200	8.3
B00230467	<10	3.4	3480	8.8
B00230469	<10	2.9	3870	8.0
B00230470	<10	3.4	4220	7.2
B00230471	<10	3.3	3240	7.1
B00230472	<10	3.5	3430	7.7
B00230473	<10	4.8	2200	8.3
B00230474	<10	3.6	1730	5.9
B00230475	<10	3.1	72	7.1
B00230476	<10	3.8	934	7.8
B00230477	<10	4.5	1480	7.5
B00230478	<10	3.5	339	6.7
B00230479	<10	3.1	544	7.4

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## Certificate of Analysis

Work Order : VC143746

[Report File No.: 0000009821]

To: Peter Holbek  
COPPER MOUNTAIN MINE (BC) LTD  
1700-700 WEST PENDER STREET  
VANCOUVER BC V6C 1G8

Date: Dec 19, 2014

P.O. No. : B00230480-B00230977  
Project No. : FENTON PROJECT  
No. Of Samples : 19  
Date Submitted : Nov 26, 2014  
Report Comprises : Pages 1 to 6  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files:

Certified By :



Cam Chiang  
Assistant Operations Manager

*SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>*

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample  
n.a. = Not applicable - = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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	Element Method	WtKg G_WGH79	@Au GE_FAA313	Ag@ GE_ICP14B	Al@ GE_ICP14B	As@ GE_ICP14B	Ba@ GE_ICP14B	Be@ GE_ICP14B	Bi@ GE_ICP14B
	Det.Lim. Units	kg	ppb	ppm	%	ppm	ppm	ppm	ppm
B00230480		6.250	53	4	0.36	187	40	<0.5	14
B00230481		6.045	41	<2	0.49	125	80	<0.5	6
B00230482		0.680	2170	68	0.42	800	66	<0.5	<5
B00230484		5.090	16	<2	0.42	19	73	<0.5	<5
B00230485		0.505	1550	49	0.40	437	68	<0.5	<5
B00230486		5.075	23	<2	0.43	32	222	<0.5	<5
B00230487		3.715	24	2	0.40	55	227	<0.5	<5
B00230490		5.295	93	4	0.40	320	151	<0.5	6
B00230491		6.140	167	5	0.41	204	121	<0.5	<5
B00230492		5.540	376	4	0.44	425	97	<0.5	6
B00230493		4.620	23	<2	0.44	58	74	<0.5	8
B00230494		1.925	2890	45	0.36	1280	105	<0.5	34
B00230495		5.515	170	10	0.36	333	60	<0.5	6
B00230496		4.230	117	5	0.41	238	79	<0.5	6
B00230497		3.800	48	3	0.47	116	118	<0.5	10
B00230498		5.390	14	<2	0.40	40	123	<0.5	7
B00230499		5.475	17	<2	0.41	52	88	<0.5	9
B00230500		5.550	26	<2	0.40	58	64	<0.5	8
B00230977		6.355	12	<2	0.65	1020	35	<0.5	19

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	Element Method Det.Lim. Units	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
B00230480		0.05	7	12	4	17.5	6.44	<1	0.27
B00230481		0.06	5	12	3	10.4	4.91	<1	0.34
B00230482		0.05	18	8	5	639	7.79	<1	0.35
B00230484		0.08	2	7	5	11.9	2.14	<1	0.35
B00230485		0.07	118	9	4	422	5.97	8	0.35
B00230486		0.09	2	7	5	11.7	2.24	<1	0.36
B00230487		0.11	3	8	4	23.0	2.38	<1	0.36
B00230490		0.10	12	10	4	77.6	4.07	<1	0.36
B00230491		0.09	10	10	4	56.4	4.89	<1	0.35
B00230492		0.09	8	20	3	31.6	6.18	<1	0.36
B00230493		0.14	4	9	3	68.9	4.24	<1	0.36
B00230494		0.06	30	7	5	1840	10.8	<1	0.32
B00230495		0.07	24	6	3	104	5.27	<1	0.33
B00230496		0.07	7	7	3	24.9	5.53	<1	0.35
B00230497		0.11	10	13	5	338	6.08	<1	0.35
B00230498		0.14	4	5	5	12.7	4.52	<1	0.30
B00230499		0.10	4	6	7	17.8	4.91	2	0.30
B00230500		0.13	8	8	5	56.1	6.74	<1	0.29
B00230977		0.21	4	5	6	252	5.77	1	0.48

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	Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
B00230480		5.0	1	0.03	607	18	0.02	12	<0.01
B00230481		2.9	2	0.05	1650	3	0.02	6	<0.01
B00230482		3.7	<1	0.05	3680	2	0.01	9	<0.01
B00230484		8.6	3	0.09	4370	3	0.01	7	<0.01
B00230485		5.1	2	0.07	4550	6	0.02	8	<0.01
B00230486		8.5	1	0.10	7180	3	0.02	6	<0.01
B00230487		8.5	2	0.09	7130	3	0.02	7	0.02
B00230490		4.6	1	0.10	6720	3	0.02	6	0.01
B00230491		4.1	2	0.09	6780	3	0.02	6	0.02
B00230492		8.3	3	0.09	8400	3	0.02	5	0.01
B00230493		5.4	2	0.10	6930	3	0.02	6	0.04
B00230494		1.7	<1	0.08	9590	2	0.01	6	<0.01
B00230495		4.2	1	0.07	6770	3	0.02	5	0.01
B00230496		5.6	2	0.04	4120	3	0.02	5	0.02
B00230497		5.9	1	0.13	7520	20	0.02	15	0.02
B00230498		6.2	1	0.07	2880	78	0.02	14	0.04
B00230499		9.4	1	0.04	1720	20	0.02	13	0.03
B00230500		3.5	1	0.04	2450	4	0.02	16	0.03
B00230977		1.2	1	0.14	1340	10	0.02	7	0.07

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	Element Method Det.Lim. Units	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
B00230480		419	>5.00	13	<0.5	<10	65	<0.01	4
B00230481		55	>5.00	5	1.0	<10	95	<0.01	8
B00230482		>10000	>5.00	326	0.5	<10	65	<0.01	5
B00230484		58	0.44	<5	1.3	<10	78	<0.01	10
B00230485		>10000	>5.00	91	0.8	<10	68	<0.01	6
B00230486		66	0.50	<5	1.2	<10	89	<0.01	6
B00230487		304	0.72	113	1.1	<10	82	<0.01	5
B00230490		517	3.41	36	0.8	<10	68	<0.01	5
B00230491		1150	4.85	120	0.6	<10	85	<0.01	5
B00230492		409	>5.00	66	<0.5	<10	99	<0.01	4
B00230493		28	3.14	5	1.1	<10	132	<0.01	7
B00230494		>10000	>5.00	1590	0.6	<10	63	<0.01	5
B00230495		1520	>5.00	184	0.6	<10	94	<0.01	4
B00230496		790	>5.00	59	<0.5	<10	103	<0.01	3
B00230497		55	>5.00	13	0.8	<10	121	<0.01	7
B00230498		11	4.86	<5	<0.5	<10	115	<0.01	5
B00230499		7	>5.00	<5	<0.5	<10	108	<0.01	6
B00230500		11	>5.00	<5	<0.5	<10	127	<0.01	6
B00230977		23	4.17	86	<0.5	<10	38	<0.01	6

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	Element Method Det.Lim. Units	W@ GE_ICP14B	Y@ GE_ICP14B	Zn@ GE_ICP14B	Zr@ GE_ICP14B	Pb@ GO_ICP90Q	Zn@ GO_ICP90Q
B00230480		<10	2.4	487	8.3	N.A.	N.A.
B00230481		<10	2.8	294	7.5	N.A.	N.A.
B00230482		<10	2.3	3440	8.7	1.76	N.A.
B00230484		<10	4.1	121	6.1	N.A.	N.A.
B00230485		<10	3.4	>10000	8.4	1.63	2.58
B00230486		<10	3.6	146	6.1	N.A.	N.A.
B00230487		<10	3.9	290	6.2	N.A.	N.A.
B00230490		<10	3.6	2300	7.6	N.A.	N.A.
B00230491		<10	3.3	1750	6.0	N.A.	N.A.
B00230492		<10	3.6	896	8.9	N.A.	N.A.
B00230493		<10	4.9	251	7.4	N.A.	N.A.
B00230494		<10	2.4	5070	7.7	1.08	N.A.
B00230495		<10	3.0	4640	8.4	N.A.	N.A.
B00230496		<10	3.4	767	9.0	N.A.	N.A.
B00230497		<10	4.1	1070	5.9	N.A.	N.A.
B00230498		<10	4.2	37	5.9	N.A.	N.A.
B00230499		<10	2.7	31	6.0	N.A.	N.A.
B00230500		<10	3.4	876	6.1	N.A.	N.A.
B00230977		<10	2.3	17	8.2	N.A.	N.A.

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## Certificate of Analysis

Work Order : VC143897

[Report File No.: 0000009940]

To: Peter Holbek  
COPPER MOUNTAIN MINE (BC) LTD  
1700-700 WEST PENDER STREET  
VANCOUVER BC V6C 1G8

Date: Jan 05, 2015

P.O. No. : B00230176-B00230333  
Project No. : FENTON PROJECT  
No. Of Samples : 62  
Date Submitted : Dec 15, 2014  
Report Comprises : Pages 1 to 11  
(Inclusive of Cover Sheet)

**Distribution of unused material:**

Active files:

Certified By :

  
Cam Chiang  
Assistant Operations Manager

**SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>**

Report Footer: L.N.R. = Listed not received      I.S. = Insufficient Sample  
n.a. = Not applicable      - = No result

\*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. \*NAA08V) were subcontracted

Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

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Final : VC143897 Order: B00230176-B00230333

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Report File No.: 0000009940

Element	WtKg	@Au	Ag@	Al@	As@	Ba@	Be@	Bi@
Method	G_WGH79	GE_FA313	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	5	2	0.01	3	5	0.5	5
Units	kg	ppb	ppm	%	ppm	ppm	ppm	ppm
B00230176	5.255	80	<2	0.54	363	265	<0.5	17
B00230177	5.380	215	5	0.46	965	251	<0.5	29
B00230178	5.500	219	4	0.56	729	249	<0.5	26
B00230179	5.245	100	3	0.44	406	263	<0.5	16
B00230180	5.310	164	3	0.39	364	220	<0.5	33
B00230181	5.485	159	2	0.40	275	210	<0.5	22
B00230182	5.405	284	2	0.42	410	205	<0.5	13
B00230183	5.295	297	2	0.44	100	210	<0.5	29
B00230184	5.410	313	3	0.49	144	128	<0.5	19
B00230185	5.465	256	2	0.48	140	121	<0.5	12
B00230186	5.710	36	2	0.50	462	125	<0.5	10
B00230187	6.140	163	3	0.51	1520	107	<0.5	27
B00230188	5.365	179	<2	0.57	1870	53	<0.5	57
B00230189	5.195	85	<2	0.53	695	100	<0.5	38
B00230190	5.555	120	2	0.49	921	56	<0.5	32
B00230191	5.475	151	3	0.48	983	48	<0.5	30
B00230192	5.705	167	4	0.46	2240	29	<0.5	41
B00230193	5.575	563	4	0.43	2860	76	<0.5	56
B00230194	5.770	115	2	0.39	2870	26	<0.5	30
B00230195	5.725	137	2	0.48	536	34	<0.5	39
B00230196	5.665	168	<2	0.47	639	84	<0.5	40
B00230197	5.585	157	<2	0.52	572	79	<0.5	26
B00230198	5.635	147	<2	0.47	708	33	<0.5	35
B00230199	5.800	165	<2	0.51	685	31	<0.5	34
B00230200	5.585	112	<2	0.58	298	28	<0.5	31
B00230201	5.840	363	2	0.60	664	83	<0.5	37
B00230202	5.675	207	2	0.57	454	48	<0.5	19
B00230203	5.675	330	<2	0.51	3040	30	<0.5	35
B00230204	5.880	164	<2	0.44	870	39	<0.5	20
B00230205	5.230	253	<2	0.51	2000	71	<0.5	29
B00230206	6.065	176	<2	0.49	603	142	<0.5	27
B00230207	5.880	309	<2	0.62	454	117	<0.5	22
B00230208	5.365	465	<2	0.51	712	142	<0.5	32
B00230209	5.700	241	<2	0.55	366	97	<0.5	32
B00230210	5.800	369	<2	0.56	561	173	<0.5	41
B00230211	5.740	329	<2	0.50	604	183	<0.5	38
B00230212	5.485	507	<2	0.52	854	149	<0.5	48
B00230213	5.505	449	2	0.42	794	163	<0.5	28
B00230310	1.920	245	5	0.34	713	28	<0.5	572
B00230311	2.635	49	<2	0.44	439	71	<0.5	21

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Element	WtKg	@Au	Ag@	Al@	As@	Ba@	Be@	Bi@
Method	G_WGH79	GE_FA313	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	5	2	0.01	3	5	0.5	5
Units	kg	ppb	ppm	%	ppm	ppm	ppm	ppm
B00230312	3.555	255	5	0.41	710	76	0.6	277
B00230313	5.560	57	<2	0.46	833	30	<0.5	30
B00230314	5.100	155	<2	0.63	1940	34	<0.5	68
B00230315	5.340	116	2	0.60	3000	32	<0.5	104
B00230316	5.190	22	<2	0.59	2280	27	<0.5	21
B00230317	4.935	19	<2	0.62	2010	36	<0.5	49
B00230318	5.055	13	<2	0.60	1230	35	<0.5	27
B00230319	5.030	42	<2	0.46	2620	30	<0.5	28
B00230320	5.315	75	<2	0.46	9520	35	<0.5	53
B00230321	0.970	459	<2	0.30	>10000	37	<0.5	66
B00230322	5.160	34	<2	0.45	3470	30	<0.5	32
B00230323	5.210	12	<2	0.42	1820	28	<0.5	29
B00230324	5.390	23	<2	0.50	2790	28	<0.5	39
B00230325	5.150	49	<2	0.45	2650	33	<0.5	52
B00230326	5.155	27	<2	0.60	788	37	<0.5	53
B00230327	5.300	41	<2	0.48	1200	37	<0.5	55
B00230328	5.210	36	<2	0.51	1080	33	<0.5	39
B00230329	4.820	31	<2	0.45	910	29	<0.5	40
B00230330	5.185	108	4	0.57	1040	51	<0.5	44
B00230331	4.985	178	<2	0.42	1070	28	<0.5	51
B00230332	4.810	206	<2	0.44	439	34	<0.5	19
B00230333	5.155	169	<2	0.49	976	31	<0.5	11

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Element	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
Method								
Det.Lim.	0.01	1	1	1	0.5	0.01	1	0.01
Units	%	ppm	ppm	ppm	ppm	%	ppm	%
B00230176	0.20	2	9	10	113	4.82	<1	0.46
B00230177	0.20	6	12	7	113	4.65	<1	0.41
B00230178	0.18	2	9	6	119	4.83	<1	0.47
B00230179	0.20	2	9	4	105	4.63	<1	0.39
B00230180	0.13	2	9	4	107	4.18	<1	0.36
B00230181	0.15	2	6	4	113	4.16	<1	0.38
B00230182	0.19	1	4	5	130	4.11	<1	0.39
B00230183	0.14	1	4	5	152	4.55	<1	0.39
B00230184	0.13	2	3	5	147	4.57	<1	0.44
B00230185	0.13	1	2	5	157	4.56	1	0.43
B00230186	0.18	2	2	4	154	4.27	<1	0.41
B00230187	0.17	2	4	4	165	4.56	<1	0.41
B00230188	0.13	<1	13	6	169	4.93	<1	0.44
B00230189	0.14	<1	10	6	110	4.61	<1	0.42
B00230190	0.13	1	12	5	127	4.74	<1	0.40
B00230191	0.15	1	11	6	129	5.01	<1	0.40
B00230192	0.21	2	22	6	147	5.46	<1	0.39
B00230193	0.20	9	17	5	232	5.43	<1	0.37
B00230194	0.16	1	33	5	133	5.03	<1	0.35
B00230195	0.14	1	8	6	143	5.47	<1	0.41
B00230196	0.13	1	9	6	180	5.56	<1	0.40
B00230197	0.15	<1	6	5	169	5.22	<1	0.42
B00230198	0.14	1	4	6	158	5.02	<1	0.39
B00230199	0.13	1	4	6	156	4.99	<1	0.41
B00230200	0.17	2	4	5	173	5.66	<1	0.40
B00230201	0.26	2	4	6	197	6.32	<1	0.47
B00230202	0.26	1	7	7	190	6.81	<1	0.45
B00230203	0.14	1	7	5	179	5.40	<1	0.43
B00230204	0.15	1	3	5	168	4.94	1	0.38
B00230205	0.11	2	4	6	180	5.16	<1	0.41
B00230206	0.15	1	4	6	175	5.33	<1	0.41
B00230207	0.16	1	3	6	163	5.25	<1	0.51
B00230208	0.14	2	3	5	171	4.98	<1	0.41
B00230209	0.15	1	3	6	161	4.82	<1	0.43
B00230210	0.13	1	10	5	162	4.82	<1	0.46
B00230211	0.14	<1	4	6	185	5.08	<1	0.43
B00230212	0.13	1	4	5	177	4.94	<1	0.44
B00230213	0.12	2	3	5	162	4.83	<1	0.40
B00230310	0.12	2	19	4	272	6.73	<1	0.29
B00230311	0.10	1	6	5	106	5.80	<1	0.37

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	Element Method	Ca@ GE_ICP14B	Cd@ GE_ICP14B	Co@ GE_ICP14B	Cr@ GE_ICP14B	Cu@ GE_ICP14B	Fe@ GE_ICP14B	Hg@ GE_ICP14B	K@ GE_ICP14B
	Det.Lim. Units	0.01 %	1 ppm	1 ppm	1 ppm	0.5 ppm	0.01 %	1 ppm	0.01 %
B00230312		0.07	1	18	4	242	6.57	1	0.35
B00230313		0.13	<1	8	4	202	7.09	<1	0.36
B00230314		0.13	1	10	5	244	6.58	<1	0.46
B00230315		0.12	<1	28	5	299	7.67	<1	0.44
B00230316		0.12	<1	25	5	289	6.58	<1	0.43
B00230317		0.16	1	14	6	256	6.57	<1	0.44
B00230318		0.16	<1	13	5	263	6.33	<1	0.44
B00230319		0.11	1	12	4	296	6.89	<1	0.36
B00230320		0.11	2	29	5	221	6.63	2	0.35
B00230321		0.05	<1	50	5	240	8.41	4	0.25
B00230322		0.10	<1	23	5	331	6.60	<1	0.35
B00230323		0.05	1	5	5	295	6.23	1	0.33
B00230324		0.09	<1	12	5	318	6.70	<1	0.40
B00230325		0.10	<1	14	5	279	6.24	1	0.36
B00230326		0.13	<1	8	6	256	6.14	<1	0.47
B00230327		0.14	<1	9	4	252	6.52	<1	0.39
B00230328		0.20	<1	29	5	277	5.59	<1	0.40
B00230329		0.14	<1	9	6	214	5.29	<1	0.37
B00230330		0.20	10	8	6	196	5.41	<1	0.47
B00230331		0.13	2	4	4	149	4.53	<1	0.38
B00230332		0.13	<1	3	5	116	4.12	<1	0.40
B00230333		0.12	<1	6	5	126	4.64	<1	0.43

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	Element Method	La@ GE_ICP14B	Li@ GE_ICP14B	Mg@ GE_ICP14B	Mn@ GE_ICP14B	Mo@ GE_ICP14B	Na@ GE_ICP14B	Ni@ GE_ICP14B	P@ GE_ICP14B
	Det.Lim. Units	0.5 ppm	1 ppm	0.01 %	2 ppm	1 ppm	0.01 %	1 ppm	0.01 %
B00230176		3.9	1	0.23	5830	2	0.02	9	0.06
B00230177		3.6	1	0.24	>10000	1	0.02	9	0.05
B00230178		4.0	1	0.20	9260	<1	0.02	9	0.05
B00230179		3.3	1	0.20	7830	<1	0.02	9	0.07
B00230180		2.7	1	0.17	6070	<1	0.02	8	0.04
B00230181		2.2	<1	0.17	6560	<1	0.01	9	0.05
B00230182		2.7	1	0.15	4770	<1	0.02	8	0.07
B00230183		2.0	1	0.19	4080	1	0.02	8	0.05
B00230184		2.2	1	0.19	4190	<1	0.02	8	0.04
B00230185		1.9	1	0.18	4040	<1	0.02	8	0.04
B00230186		4.3	2	0.15	5400	2	0.02	9	0.05
B00230187		4.2	1	0.16	4820	10	0.02	8	0.05
B00230188		5.4	1	0.14	2800	1	0.02	8	0.04
B00230189		3.0	2	0.18	3390	1	0.02	8	0.05
B00230190		3.1	2	0.17	3960	1	0.02	8	0.04
B00230191		1.9	1	0.17	5160	<1	0.02	8	0.05
B00230192		3.4	1	0.16	8310	1	0.02	9	0.06
B00230193		3.7	<1	0.16	8680	<1	0.01	9	0.05
B00230194		2.6	1	0.17	5090	1	0.02	9	0.04
B00230195		2.7	2	0.20	3950	<1	0.02	9	0.04
B00230196		4.0	1	0.21	2490	1	0.02	9	0.05
B00230197		3.1	2	0.18	2740	<1	0.02	8	0.05
B00230198		4.1	1	0.14	3200	<1	0.01	8	0.04
B00230199		3.2	1	0.17	4030	1	0.02	9	0.04
B00230200		2.6	3	0.21	4640	1	0.02	9	0.05
B00230201		3.9	1	0.24	4120	<1	0.02	13	0.10
B00230202		2.9	1	0.29	5060	<1	0.02	15	0.10
B00230203		4.1	1	0.15	3520	<1	0.02	8	0.05
B00230204		3.8	1	0.16	3420	4	0.01	7	0.05
B00230205		3.0	2	0.13	2330	3	0.02	8	0.04
B00230206		2.3	2	0.18	2940	5	0.02	9	0.05
B00230207		2.8	1	0.19	3370	3	0.02	9	0.06
B00230208		2.9	<1	0.16	3230	3	0.02	9	0.05
B00230209		3.3	<1	0.18	3530	2	0.02	10	0.05
B00230210		3.9	1	0.20	3140	2	0.02	10	0.05
B00230211		4.1	<1	0.20	3070	2	0.02	9	0.05
B00230212		2.8	<1	0.17	3100	3	0.02	9	0.05
B00230213		3.8	<1	0.16	4650	3	0.01	10	0.04
B00230310		1.6	<1	0.05	1060	3	0.01	11	0.05
B00230311		5.6	<1	0.06	1480	2	0.01	11	0.04

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Element	La@	Li@	Mg@	Mn@	Mo@	Na@	Ni@	P@
Method	GE_ICP14B							
Det.Lim.	0.5	1	0.01	2	1	0.01	1	0.01
Units	ppm	ppm	%	ppm	ppm	%	ppm	%
B00230312	6.9	<1	0.11	2760	2	0.01	15	0.02
B00230313	2.3	<1	0.11	3300	2	0.01	7	0.05
B00230314	2.0	<1	0.13	2480	2	0.02	7	0.05
B00230315	1.5	1	0.14	1830	3	0.02	7	0.04
B00230316	1.5	<1	0.15	2070	3	0.02	8	0.04
B00230317	1.1	1	0.14	2090	3	0.02	8	0.05
B00230318	1.0	<1	0.16	2510	1	0.02	9	0.05
B00230319	0.7	<1	0.14	2300	2	0.01	6	0.04
B00230320	1.1	<1	0.13	2240	2	0.01	8	0.04
B00230321	0.6	<1	0.07	1390	<1	0.01	10	0.02
B00230322	0.7	<1	0.12	1400	5	0.01	9	0.04
B00230323	0.9	<1	0.12	1620	4	0.01	7	0.01
B00230324	1.6	<1	0.14	1610	7	0.01	7	0.03
B00230325	1.2	<1	0.13	2520	2	0.01	7	0.04
B00230326	1.8	<1	0.14	2500	3	0.02	7	0.05
B00230327	1.5	<1	0.14	2850	1	0.01	8	0.04
B00230328	2.2	<1	0.17	1790	2	0.02	9	0.04
B00230329	1.8	1	0.15	1900	1	0.01	9	0.04
B00230330	1.7	<1	0.18	2390	3	0.01	6	0.05
B00230331	1.6	<1	0.12	2350	2	0.01	7	0.05
B00230332	1.7	<1	0.13	2190	1	0.01	6	0.05
B00230333	3.8	<1	0.12	2160	<1	0.01	8	0.05

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Element	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
Method								
Det.Lim.	2	0.01	5	0.5	10	5	0.01	1
Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm
B00230176	117	1.95	37	0.7	<10	47	<0.01	7
B00230177	1340	1.98	516	<0.5	<10	69	<0.01	5
B00230178	159	2.32	64	<0.5	<10	67	<0.01	4
B00230179	164	1.96	54	0.6	<10	67	<0.01	6
B00230180	191	2.14	69	<0.5	<10	56	<0.01	5
B00230181	131	2.14	49	<0.5	<10	57	<0.01	4
B00230182	149	2.16	55	<0.5	<10	71	<0.01	5
B00230183	138	2.16	51	<0.5	<10	64	<0.01	4
B00230184	133	2.10	47	<0.5	<10	49	<0.01	5
B00230185	108	2.27	49	<0.5	<10	44	<0.01	5
B00230186	63	2.34	55	<0.5	<10	43	<0.01	5
B00230187	191	2.65	94	<0.5	<10	51	<0.01	5
B00230188	104	3.41	67	<0.5	<10	26	<0.01	5
B00230189	104	2.42	44	<0.5	<10	43	<0.01	5
B00230190	72	2.60	51	<0.5	<10	37	<0.01	5
B00230191	64	2.47	55	<0.5	<10	41	<0.01	5
B00230192	104	3.26	80	<0.5	<10	27	<0.01	5
B00230193	846	3.36	551	<0.5	<10	22	<0.01	4
B00230194	73	2.67	44	<0.5	<10	41	<0.01	4
B00230195	95	2.88	43	<0.5	<10	34	<0.01	5
B00230196	100	3.32	48	<0.5	<10	29	<0.01	5
B00230197	79	2.86	32	<0.5	<10	44	<0.01	6
B00230198	158	2.76	56	<0.5	<10	13	<0.01	5
B00230199	136	2.67	55	<0.5	<10	31	<0.01	5
B00230200	172	2.75	53	0.7	<10	59	<0.01	6
B00230201	540	3.47	192	0.9	<10	36	<0.01	10
B00230202	241	3.24	97	1.1	<10	64	<0.01	12
B00230203	144	3.65	98	0.5	<10	17	<0.01	6
B00230204	90	2.91	53	<0.5	<10	22	<0.01	4
B00230205	239	4.16	110	<0.5	<10	38	<0.01	5
B00230206	145	2.66	38	<0.5	<10	54	<0.01	6
B00230207	125	2.54	40	0.5	<10	49	<0.01	6
B00230208	157	2.78	63	<0.5	<10	50	<0.01	5
B00230209	181	2.35	54	0.5	<10	48	<0.01	6
B00230210	132	2.30	41	0.5	<10	50	<0.01	6
B00230211	118	2.42	42	<0.5	<10	53	<0.01	5
B00230212	164	2.58	46	<0.5	<10	53	<0.01	5
B00230213	296	2.40	47	<0.5	<10	48	<0.01	5
B00230310	751	>5.00	204	<0.5	<10	29	<0.01	4
B00230311	115	>5.00	21	<0.5	<10	23	<0.01	5

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	Element Method	Pb@ GE_ICP14B	S@ GE_ICP14B	Sb@ GE_ICP14B	Sc@ GE_ICP14B	Sn@ GE_ICP14B	Sr@ GE_ICP14B	Ti@ GE_ICP14B	V@ GE_ICP14B
	Det.Lim. Units	2 ppm	0.01 %	5 ppm	0.5 ppm	10 ppm	5 ppm	0.01 %	1 ppm
B00230312		473	>5.00	121	0.7	<10	37	<0.01	6
B00230313		39	>5.00	28	<0.5	<10	24	<0.01	5
B00230314		139	>5.00	77	<0.5	<10	19	<0.01	5
B00230315		170	>5.00	100	<0.5	<10	18	<0.01	5
B00230316		37	3.91	97	<0.5	<10	31	<0.01	5
B00230317		61	4.28	110	<0.5	<10	30	<0.01	6
B00230318		42	3.63	83	<0.5	<10	21	<0.01	6
B00230319		63	4.83	88	<0.5	<10	23	<0.01	4
B00230320		79	4.81	76	<0.5	<10	12	<0.01	4
B00230321		56	>5.00	99	<0.5	<10	18	<0.01	4
B00230322		45	4.44	101	<0.5	<10	26	<0.01	4
B00230323		32	4.41	122	<0.5	<10	19	<0.01	5
B00230324		41	3.93	89	<0.5	<10	17	<0.01	5
B00230325		54	3.79	99	<0.5	<10	17	<0.01	5
B00230326		53	3.43	103	<0.5	<10	15	<0.01	6
B00230327		58	3.71	98	<0.5	<10	15	<0.01	6
B00230328		36	3.20	81	<0.5	<10	16	<0.01	6
B00230329		44	2.63	69	0.5	<10	19	<0.01	6
B00230330		1990	2.55	53	0.6	<10	50	<0.01	7
B00230331		138	2.46	44	<0.5	<10	52	<0.01	6
B00230332		75	1.97	33	<0.5	<10	58	<0.01	5
B00230333		62	2.56	30	<0.5	<10	44	<0.01	7

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Element	W@	Y@	Zn@	Zr@	As
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GO_ICP90Q
Det.Lim.	10	0.5	1	0.5	0.01
Units	ppm	ppm	ppm	ppm	%
B00230176	<10	5.0	403	7.2	N.A.
B00230177	<10	4.2	1430	6.9	N.A.
B00230178	<10	3.9	360	6.7	N.A.
B00230179	<10	5.3	408	7.1	N.A.
B00230180	<10	3.3	418	6.5	N.A.
B00230181	<10	3.9	391	5.9	N.A.
B00230182	<10	3.8	335	5.9	N.A.
B00230183	<10	3.7	267	6.8	N.A.
B00230184	<10	3.7	370	6.8	N.A.
B00230185	<10	3.1	247	7.5	N.A.
B00230186	<10	3.5	555	7.5	N.A.
B00230187	<10	3.7	571	7.6	N.A.
B00230188	<10	3.0	68	8.7	N.A.
B00230189	<10	3.6	116	7.4	N.A.
B00230190	<10	3.0	258	7.2	N.A.
B00230191	<10	3.6	211	7.6	N.A.
B00230192	<10	3.6	303	8.5	N.A.
B00230193	<10	2.9	1910	7.7	N.A.
B00230194	<10	3.3	241	6.5	N.A.
B00230195	<10	3.6	230	7.4	N.A.
B00230196	<10	3.5	163	7.9	N.A.
B00230197	<10	3.6	148	7.4	N.A.
B00230198	<10	2.7	255	6.9	N.A.
B00230199	<10	3.0	234	7.5	N.A.
B00230200	<10	3.6	434	7.6	N.A.
B00230201	<10	4.2	470	7.1	N.A.
B00230202	<10	4.2	216	7.8	N.A.
B00230203	<10	3.0	244	7.3	N.A.
B00230204	<10	2.6	262	6.7	N.A.
B00230205	<10	2.8	428	7.0	N.A.
B00230206	<10	3.6	220	6.8	N.A.
B00230207	<10	4.0	151	6.8	N.A.
B00230208	<10	3.2	272	6.5	N.A.
B00230209	<10	3.2	235	6.5	N.A.
B00230210	<10	3.5	249	6.4	N.A.
B00230211	<10	3.5	137	6.3	N.A.
B00230212	<10	3.1	210	6.3	N.A.
B00230213	<10	3.0	460	6.5	N.A.
B00230310	<10	3.4	377	7.7	N.A.
B00230311	<10	2.6	277	6.8	N.A.

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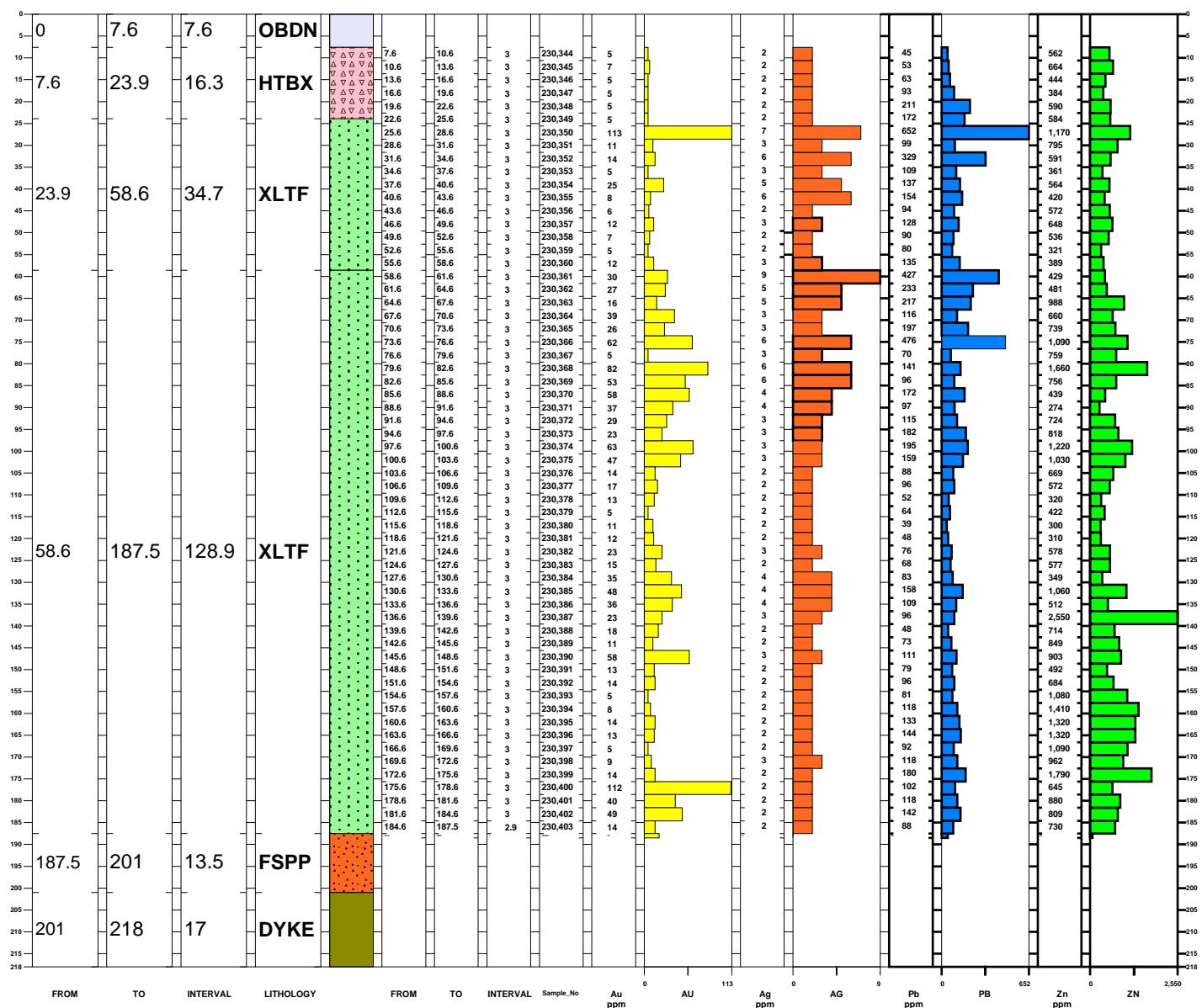
Element	W@	Y@	Zn@	Zr@	As
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GO_ICP90Q
Det.Lim.	10	0.5	1	0.5	0.01
Units	ppm	ppm	ppm	ppm	%
B00230312	<10	2.4	225	7.7	N.A.
B00230313	<10	3.1	30	8.0	N.A.
B00230314	<10	2.7	140	9.0	N.A.
B00230315	<10	2.6	68	9.9	N.A.
B00230316	<10	2.8	61	8.9	N.A.
B00230317	<10	2.9	170	8.8	N.A.
B00230318	<10	2.8	129	9.2	N.A.
B00230319	<10	2.3	201	8.6	N.A.
B00230320	<10	2.4	358	9.4	N.A.
B00230321	<10	1.7	102	9.3	2.05
B00230322	<10	2.6	24	10.0	N.A.
B00230323	<10	1.6	226	9.5	N.A.
B00230324	<10	2.1	108	9.6	N.A.
B00230325	<10	2.5	78	9.9	N.A.
B00230326	<10	2.8	16	10.3	N.A.
B00230327	<10	2.7	16	9.7	N.A.
B00230328	<10	2.9	7	9.9	N.A.
B00230329	<10	3.1	64	9.3	N.A.
B00230330	<10	4.2	3050	9.8	N.A.
B00230331	<10	4.5	346	9.5	N.A.
B00230332	<10	4.4	146	9.1	N.A.
B00230333	<10	4.4	132	10.0	N.A.

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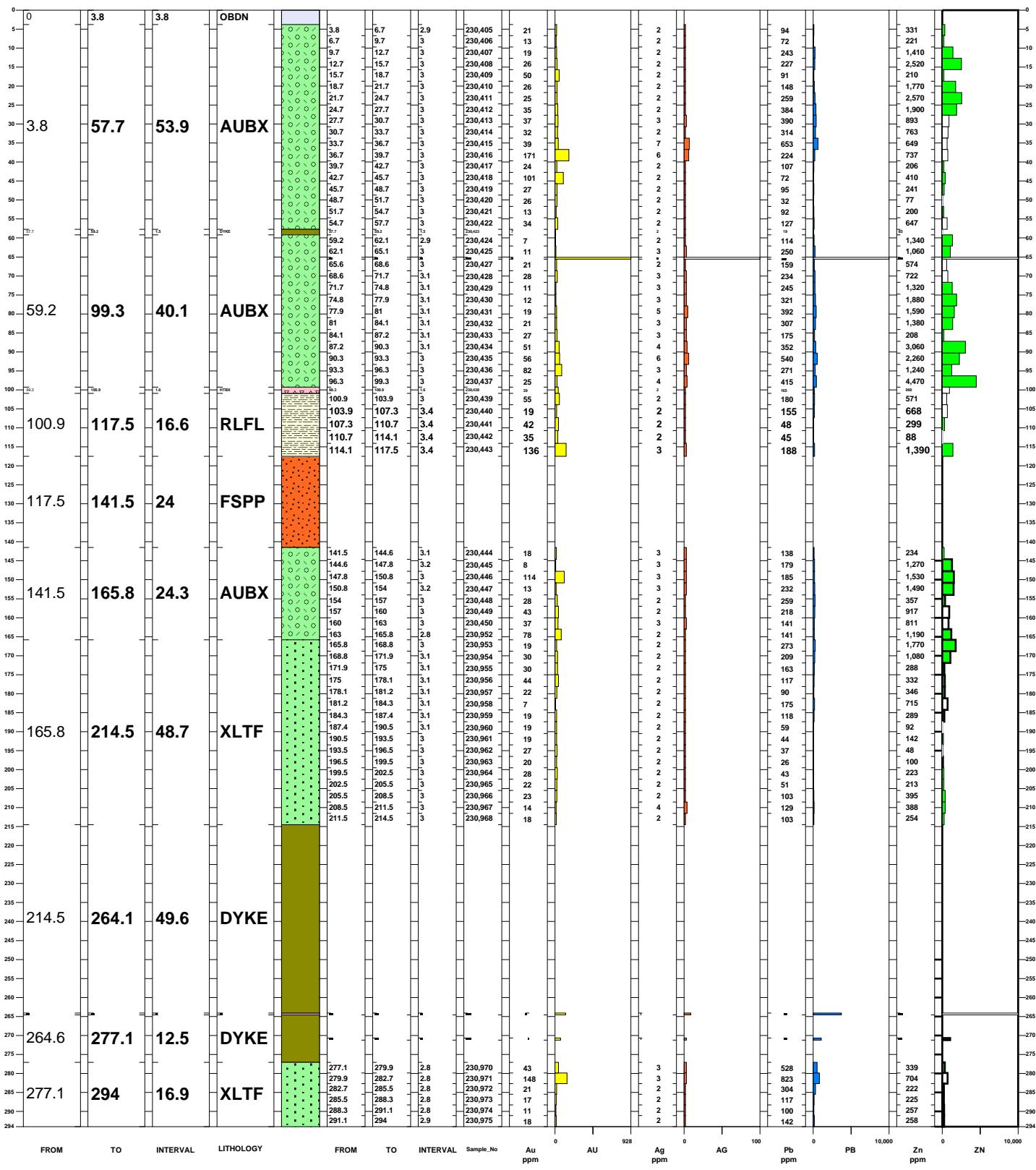
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## **Appendix V: Diamond Drill-hole Cross Sections and Strip Logs**

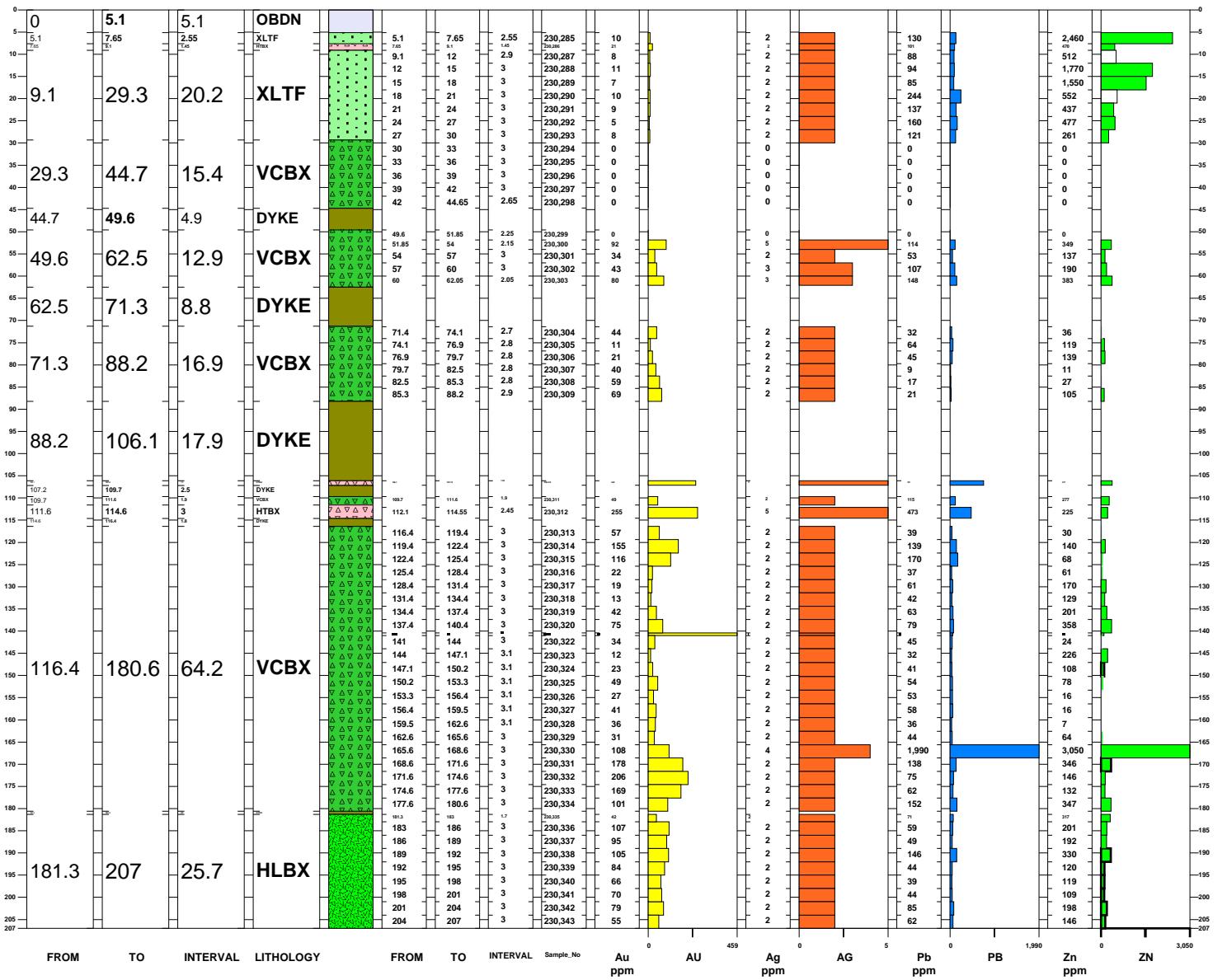
## Log for 14FEN-09



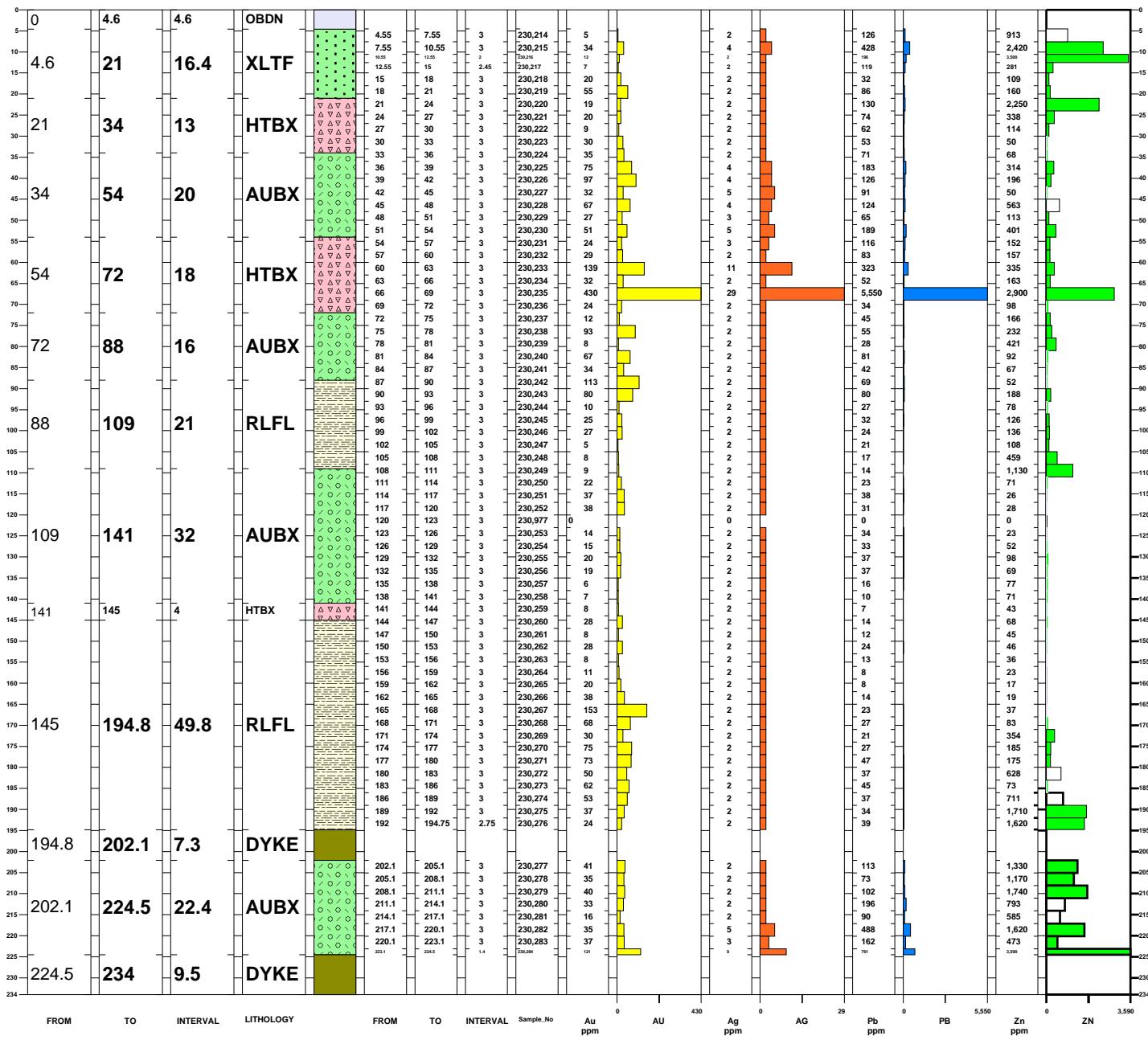
## Log for 14FEN-08



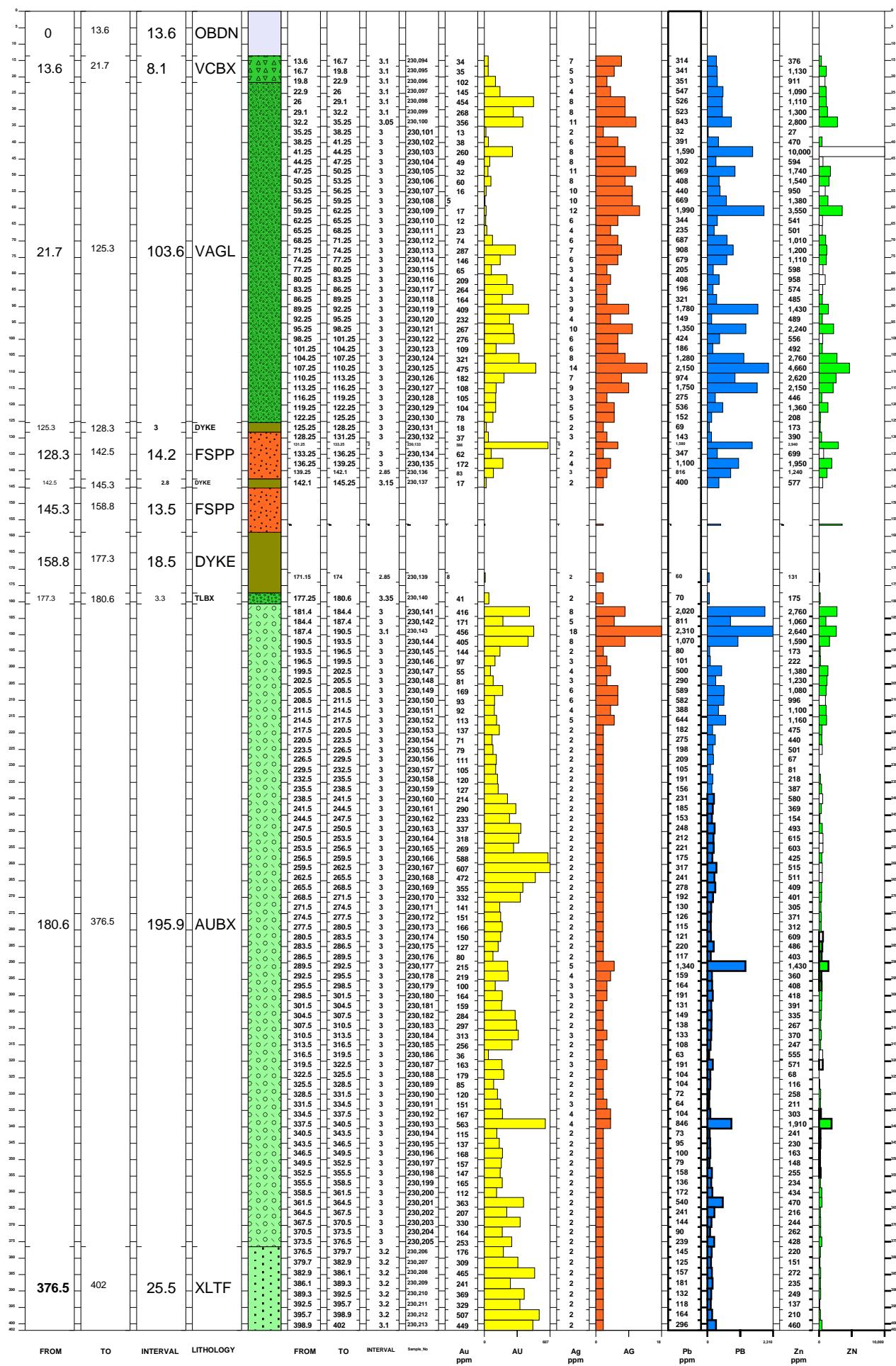
## Log for 14FEN-07



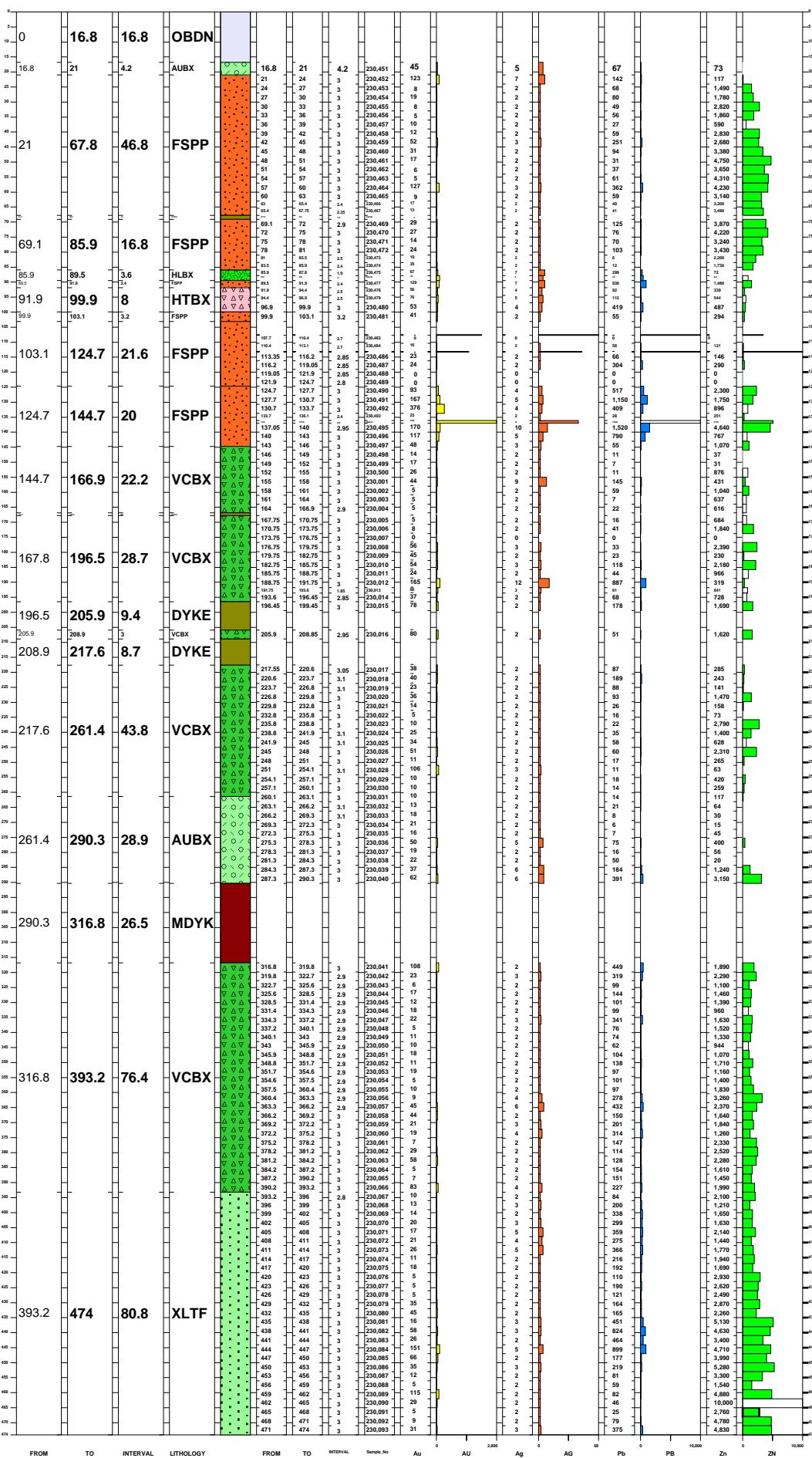
## Log for 14FEN-06



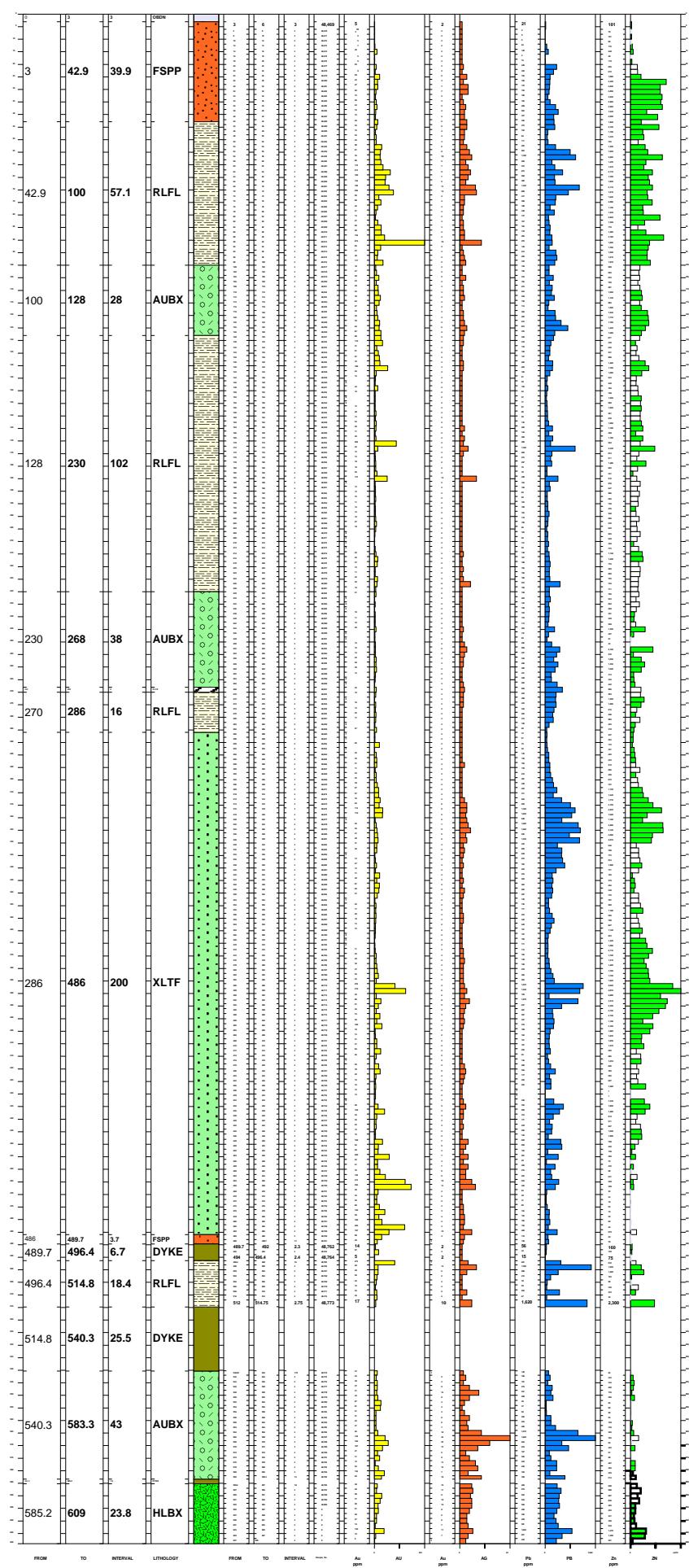
# Log for 14FEN-05



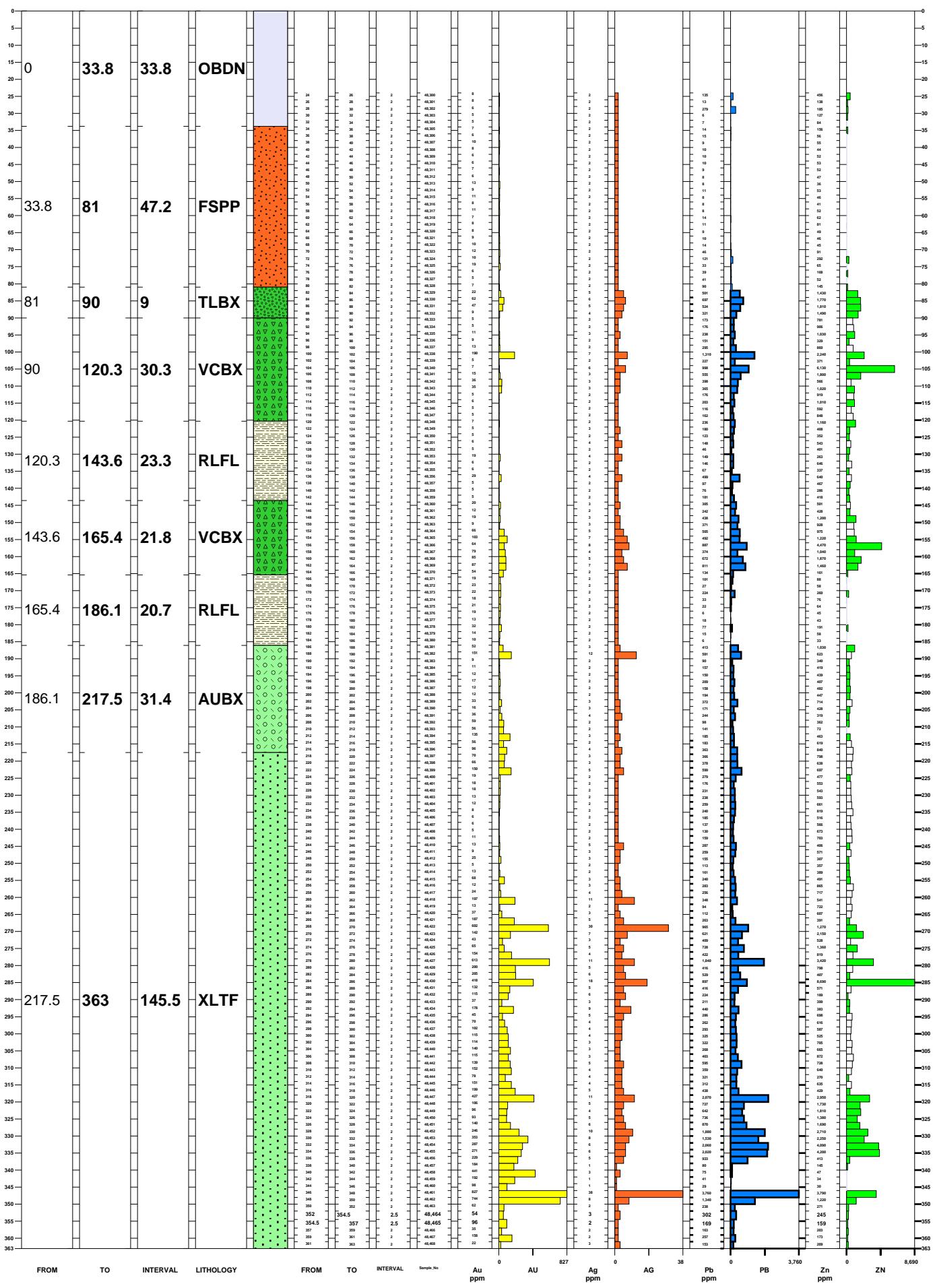
# Log for 14FEN-04



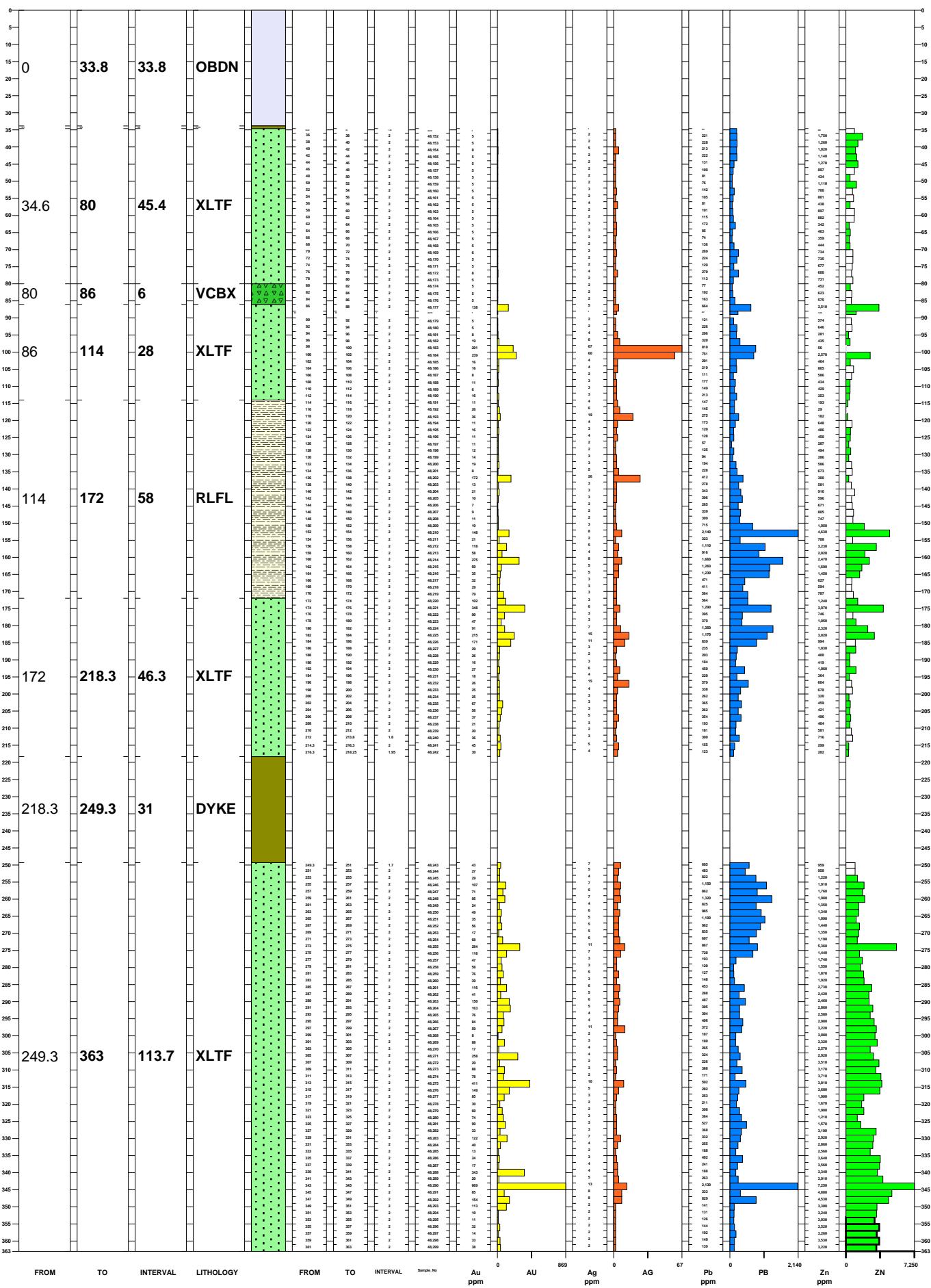
### Log for 14FEN-03



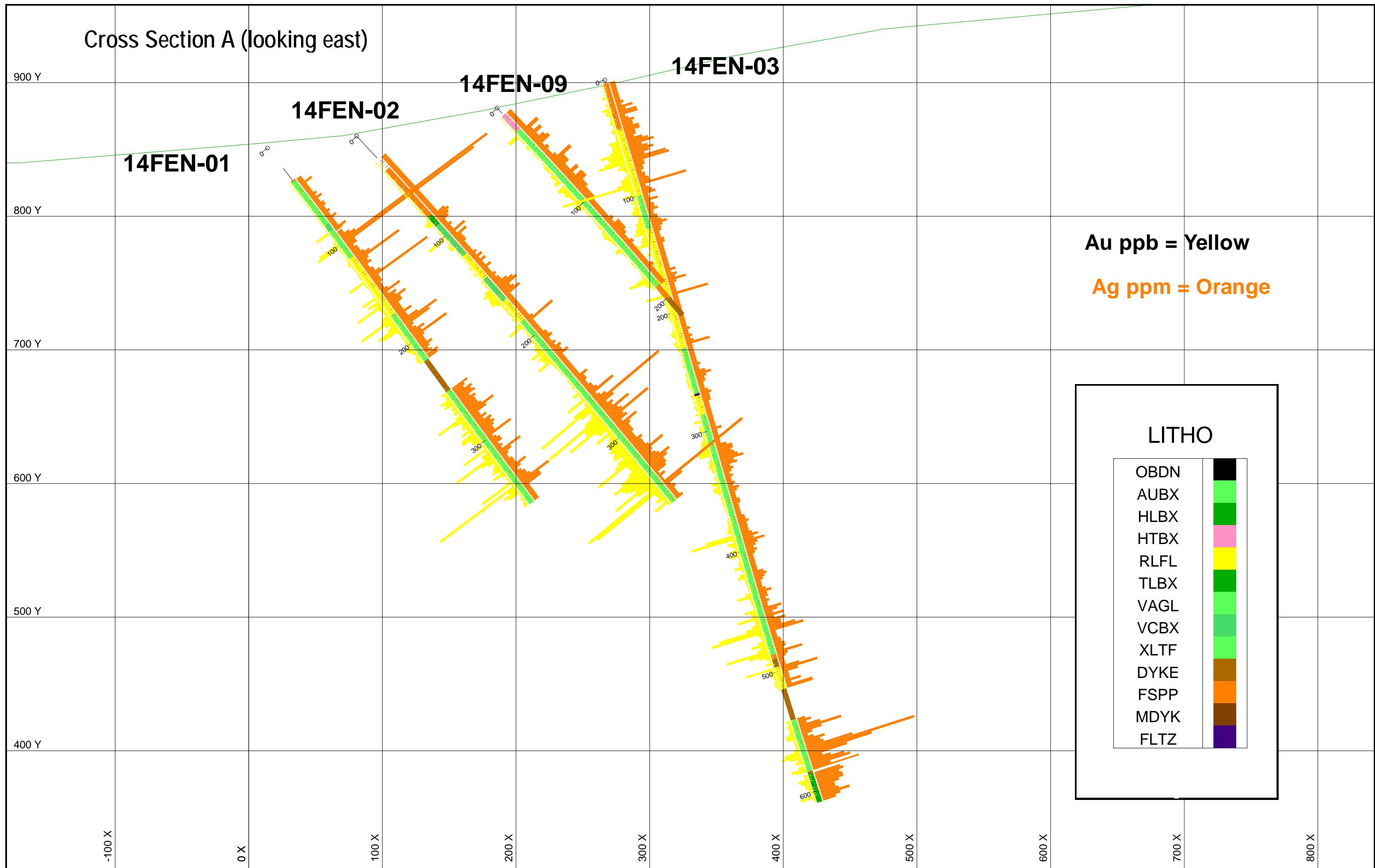
# Log for 14FEN-02



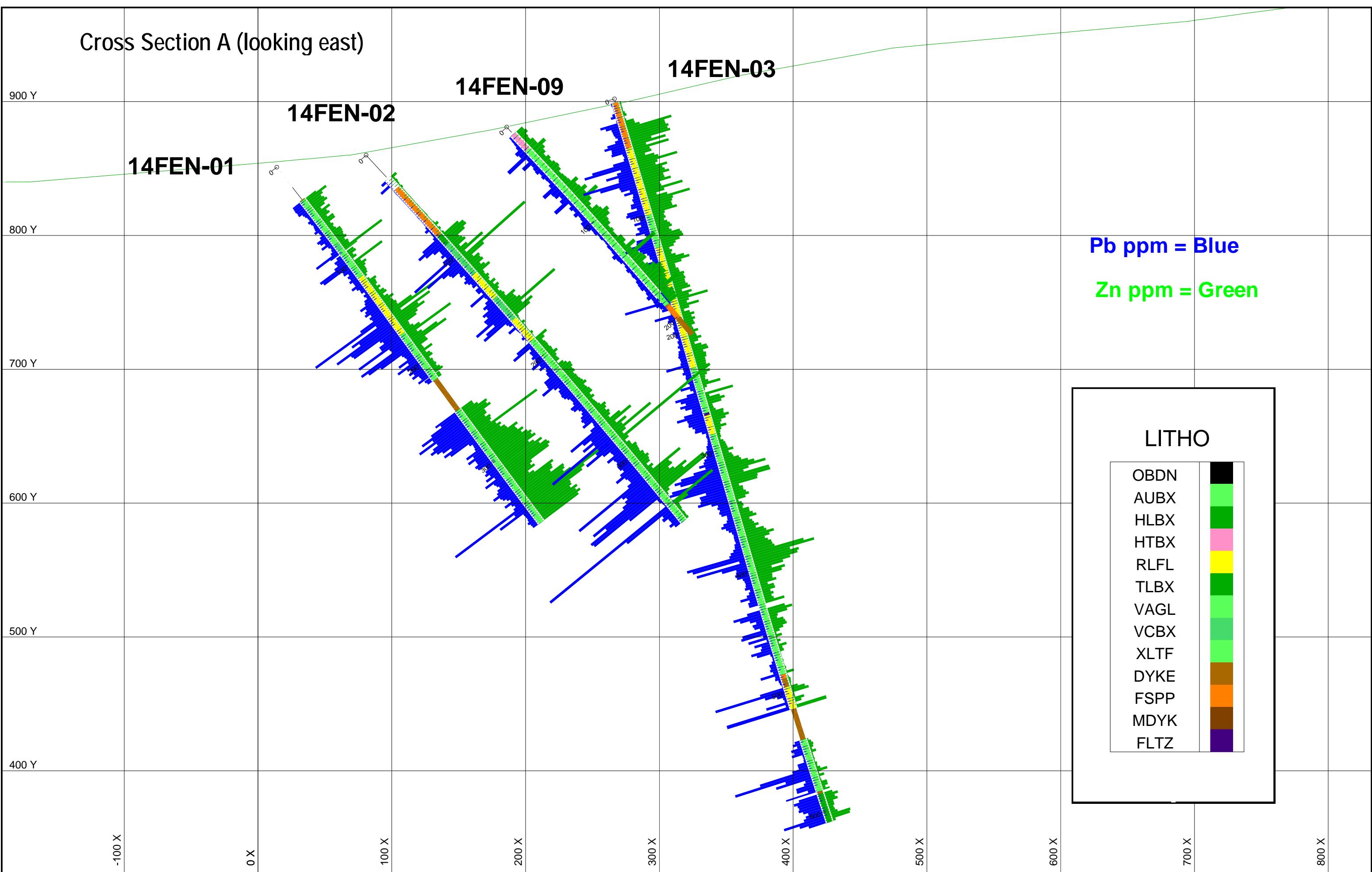
# Log for 14FEN-01



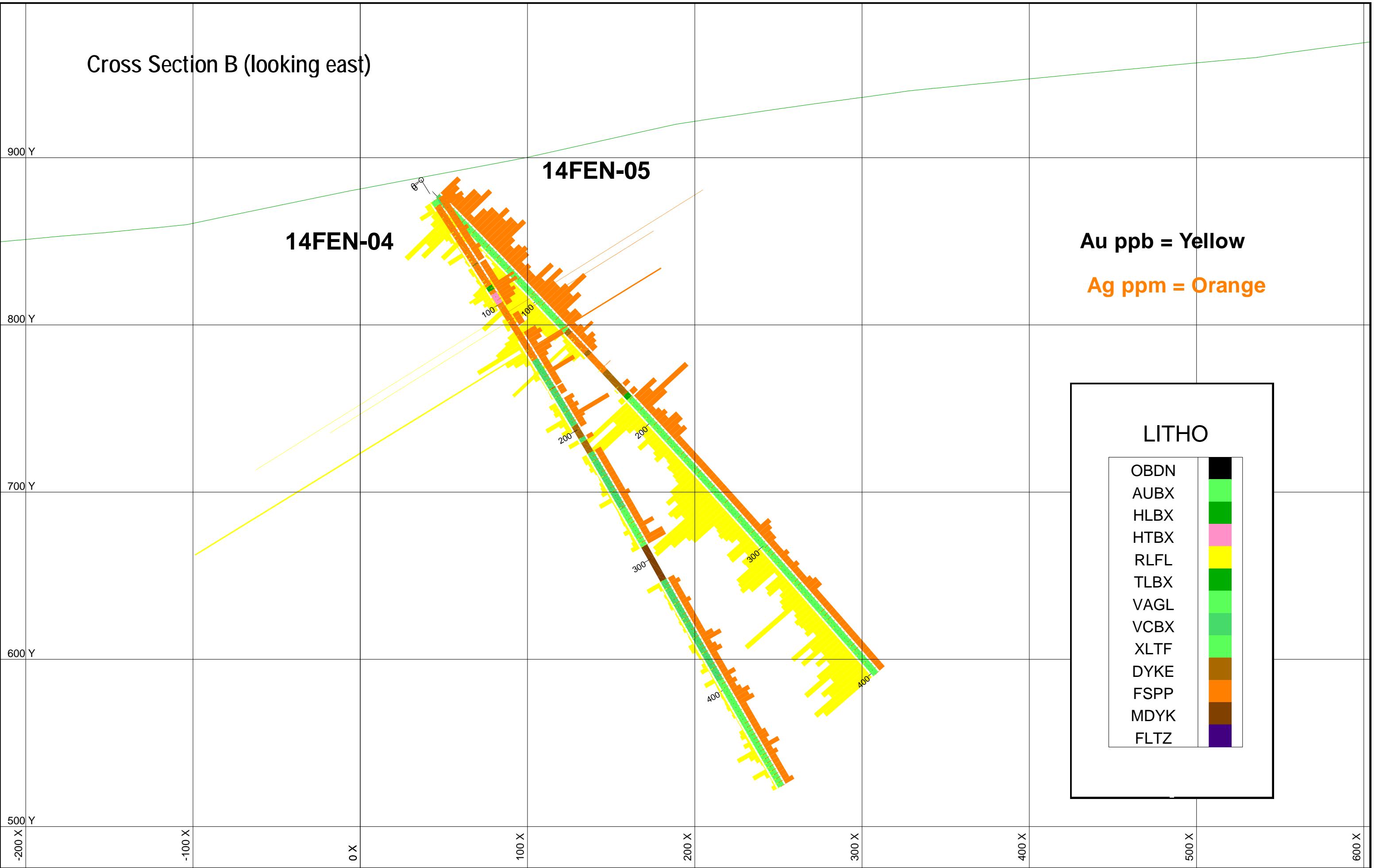
Cross Section A (looking east)



Cross Section A (looking east)



Cross Section B (looking east)



Au ppb = Yellow

Ag ppm = Orange

LITHO

OBDN	
AUBX	
HLBX	
HTBX	
RLFL	
TLBX	
VAGL	
VCBX	
XLTZ	
DYKE	
FSPP	
MDYK	
FLTZ	

Cross Section B (looking east)

14FEN-05

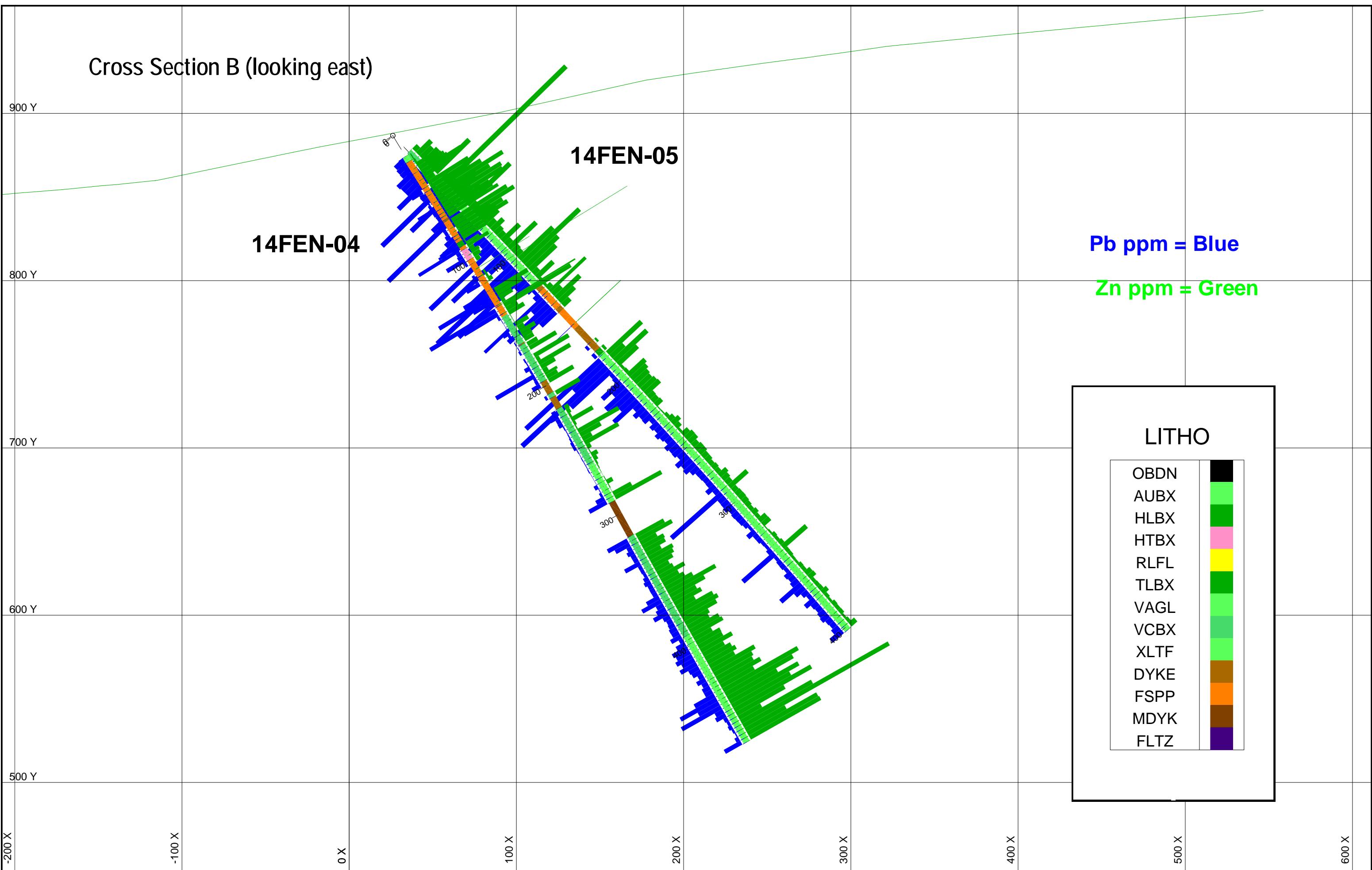
14FEN-04

Pb ppm = Blue

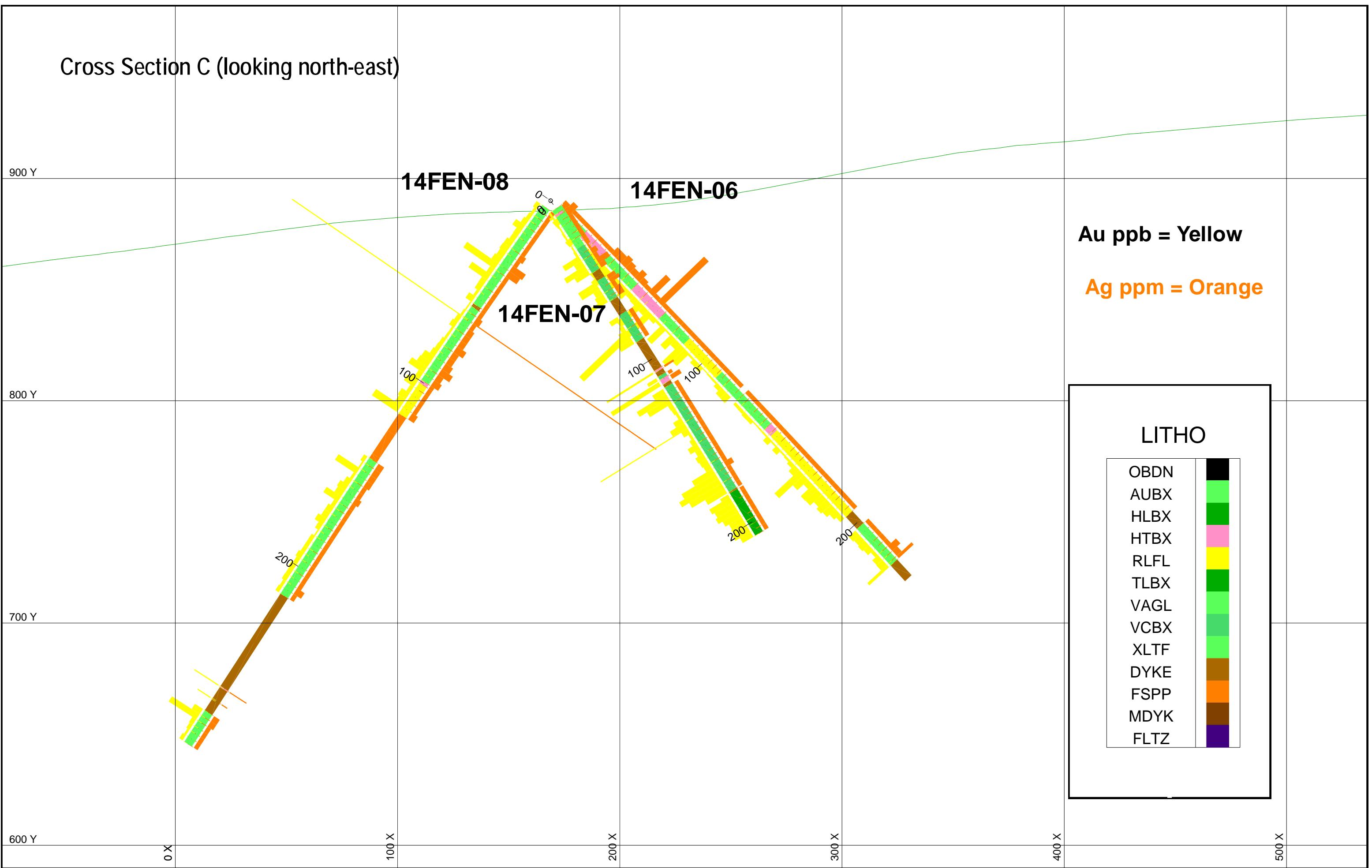
Zn ppm = Green

LITHO

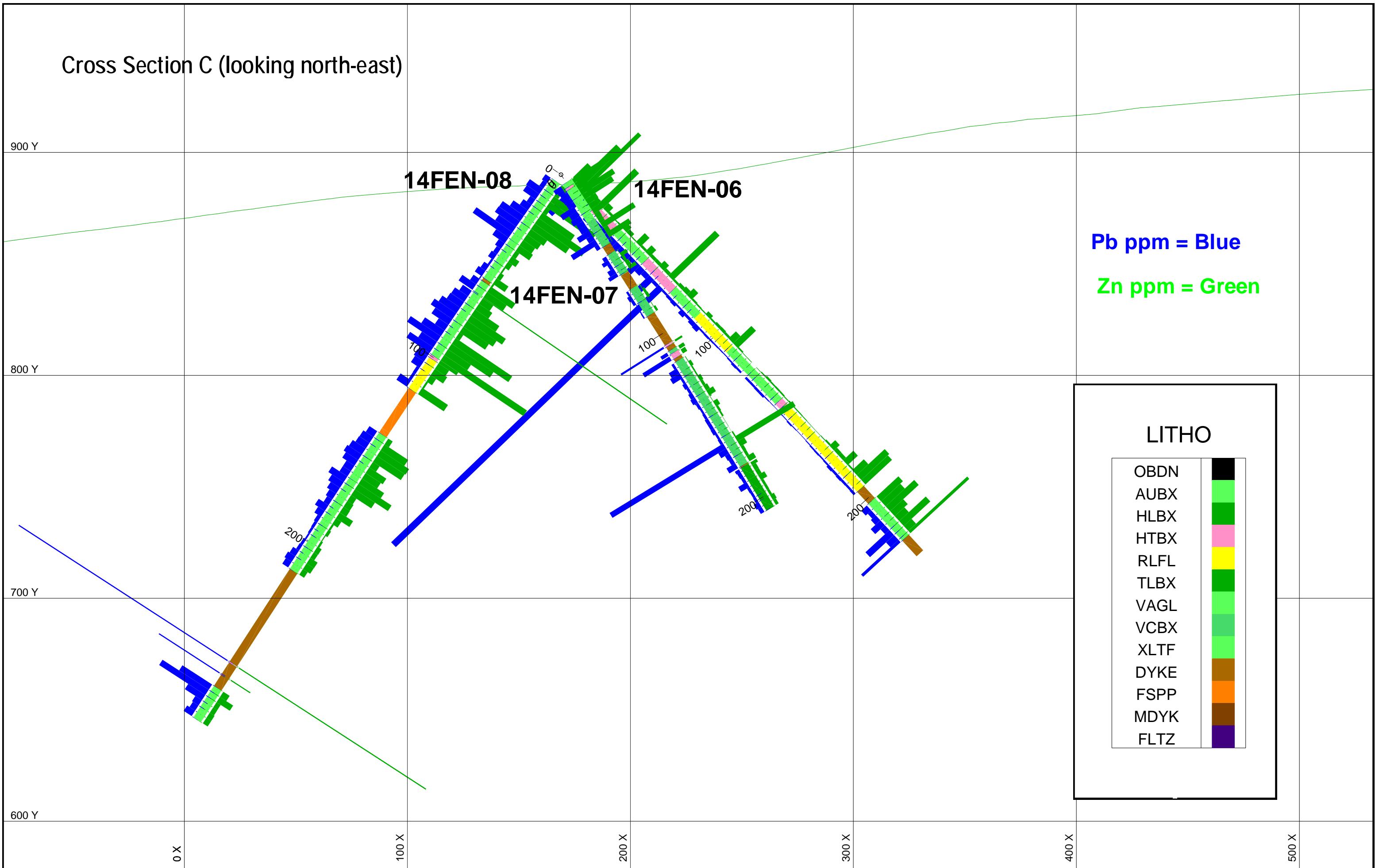
OBDN	
AUBX	
HLBX	
HTBX	
RLFL	
TLBX	
VAGL	
VCBX	
XLTF	
DYKE	
FSPP	
MDYK	
FLTZ	



Cross Section C (looking north-east)



Cross Section C (looking north-east)



## **Appendix VI: Drill Logs**

Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

HOLE NUMBER: FEN14-01			UTM Coordinates			634413 E	6004659	ZONE 9		Down Hole Survey:			DEPTH (M)	AZ. °	DIP°	Mag Field	DEPTH (M)	AZ. °	DIP°	Mag Field
Logged by: Peter Daubeny			Azimuth: 160 °			Dip: -46°	Length: 363 M		CONTRACTOR: HI-TEC Drilling			42	142.2	-45.3	5631	243	143.8	-48	5771	
Date Collared: SUNDAY MAY 25TH			Date Completed:			Wednesday May 28th						141	142.5*	-47.4	5628	342	145.1	-47.4	5624	
SAMPLE #	FROM (M)	TO (M)	Length (M)	Lithology	Total sulphide(%)	Frag >1 cm %	max vein size (MM)	Vns/Vnlt/2-M	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:						*Az. corrected for declination		
	0	33.80		OB								0-33.8 m: Overburden; heterolithic glacial till. Includes mineralised fragmetns below 21 meters.								
	33.8	34.62		DYKE								33.8-34.62 m: DYKE. Light gray-green, 5% up to 2-mm leucoxene altd hbl in an aphanitic matrix. Overall moderately soft/fissile but hosts occ hairline silica vnlt at 30 dtc. Lc ~30 dtc in broken core.								
48151	34.62	36.00	1.38	XLTf	1	0.5	50	50				34.62 to 114.4 m: XLTf, blk mud chip bearing. Light gray to buff colored (Fe-carb altd), rounded to angular lithic fragments hosted in a QI bearing crystal fragment matrix. Fragments & matrix kaolin altered though frags often more so. Interval hosts frequent angular black moderately soft <1cm black lithic(?) chips. Mineralisation consists of disseminated py>sph with occasional aspy & galena. Lc sharp at 60 dtc.								
48152	36.00	38.00	2.00	XLTf	1	1														
48153	38.00	40.00	2.00	XLTf	1	1	40		45	41.5		2-mm sooty py vn.								
48154	40.00	42.00	2.00	XLTf	1	2														
48155	42.00	44.00	2.00	XLTf	1	1														
48156	44.00	46.00	2.00	XLTf	1	1														
48157	46.00	48.00	2.00	XLTf	1	2														
48158	48.00	50.00	2.00	XLTf	1	2														
48159	50.00	52.00	2.00	XLTf	1.5	2			50.7	30		Silica vnlt hosted in fragment at 50.7 m, incl. 30 cm broken core.								
48160	52.00	54.00	2.00	XLTf	1.5	2				20										
48161	54.00	56.00	2.00	XLTf	1.5	1				200										
48162	56.00	58.00	2.00	XLTf	2	2			57.0			Minor broken core, 5-cm of clay at 57 m.								
48163	58.00	60.00	2.00	XLTf	2	3.5						Includes flow banded siliceous fragment to 1.5 cm.								
48164	60.00	62.00	2.00	XLTf	2	4														
48165	62.00	64.00	2.00	XLTf	3	5	0.5		30			Hairline sulphide vnlt.								
48166	64.00	66.00	2.00	XLTf	3	6	0.5		30	65.2		Msv aspy>py vn. hairline sulphide vnlt at 63.4 at 80 dtc.								
48167	66.00	68.00	2.00	XLTf	2.5	5														
48168	68.00	70.00	2.00	XLTf	2	6	30		30	69.5		Msv sulphide vn with py>ASPY								
48169	70.00	72.00	2.00	XLTf	2.5	30	20		30	70.7		Msv py-clay vn at 70.7 m; two hairline vnlt at 70.15 m..								

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (M)	TO (M)	Length (M)	Lithology	Total sulphide(%)	Frag >1 cm %	max vein size (MM)	Vns/Vnlt/2-M	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*Az. corrected for declination			
48170	72.00	74.00	2.00	XLTF	2.5	20										
48171	74.00	76.00	2.00	XLTF	3	7.5										
48172	76.00	78.00	2.00	XLTF	2	5						Sulphide includes ASPY				
48173	78.00	80.00	2.00	XLTF	3	5	1	2	30	5	5-cm gouge at 79.1 m AT 50 DTC.					
48174	80.00	82.00	2.00	XLTF	3.5	50	0.5	2	70			Clasts to 10-cm, sulphide preferential to fragments, fragments also can be more silica altd than host interval.				
48175	82.00	84.00	2.00	XLTF	3	25						Clasts to 10-cm				
48176	84.00	86.00	2.00	XLTF	3	50				40		Clasts to 40-cm				
48177	86.00	88.00	2.00	XLTF	4	10	0.5	10	30	200		veins at 15 dtc as well.				
48178	88.00	89.00	1.00	XLTF	4	10	0.5	4	15			veins at 35 dtc as well.				
	89.00	90.00		XLTF								Sampled by Peter Holbek, May 26th, 14				
48179	90.00	92.00	2.00	XLTF	3	15	0.5	2	30							
												Broken core, clay, faulted, fractures at 35 dtc. Increase in silica altn, sulphide content & decrease in clay altn below				
48180	92.00	94.00	2.00	XLTF	3	15				200	92.5 m. Locally amygdaloidal.					
48181	94.00	96.00	2.00	XLTF	4	5										
48182	96.00	98.00	2.00	XLTF	5					200	Rubble and blocky					
48183	98.00	100.00	2.00	XLTF	6	1	30	10	25			msv py, up to 10% ASPY in largest vn at 25 dtc.				
48184	100.00	102.00	2.00	XLTF	6	1	15	6	0			Hairline to 1.5 cm vnlts & veins at 0 & 20 dtc.				
48185	102.00	104.00	2.00	XLTF	5	2						Blocky				
48186	104.00	106.00	2.00	XLTF	3	2	0.5	2	25							
48187	106.00	108.00	2.00	XLTF	3	3										
48188	108.00	110.00	2.00	XLTF	4	0	0.5	5	35							
48189	110.00	112.00	2.00	XLTF	4	2	0.5	3	70							
48190	112.00	114.00	2.00	XLTF	3	5	0.5					Occasional wormy silica vnlts.				
												114.4-172.6 m: FLOW & flow breccia unit, locally amygduloidal. Much less clay altered than interval DAP 34.62 m (above), is strongly silica altered with frequent hairline silica vnlts; also hosts more sulphide than unit above. This unit also hosts lithic fragments (interpreted to be flow breccia) but they are much less prominent (alteration obscured) and overall less variable in size than those described as per 34.62 m. 10-cm clay altd shear zone at 40 dtc at 114.4 m marks ct. Comment: it is not practical to log lithic fragment percentage as frags, though visible are variably obscured by altn.				
48192	116.00	118.00	2.00	FLOW	4	0	0.5	2				Sil vnlts				
48193	118.00	120.00	2.00	FLOW	5	0	10	3	5			1-cm msv py-aspy vn, silica vnlts at 25 dtc.				

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (M)	TO (M)	Length (M)	Lithology	Total sulphide(%)	Frag >1 cm %	max vein size (MM)	Vns/Vnls/2-M	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*Az. corrected for declination			
48194	120.00	122.00	2.00	FLOW	5	5	0.5	10	30			Sil vnlt				
48195	122.00	124.00	2.00	FLOW	6	0		10								
48196	124.00	126.00	2.00	FLOW	6	0	0.5	20	80	125.7		1-cm sulphide vn at 125.7 m, foliated at 80 dtc. 20 silica vnlt/meter.				
48197	126.00	128.00	2.00	FLOW	6	0	0.5	20				20 silica vnlt/meter.				
48198	128.00	130.00	2.00	FLOW	7	0	0.5	10	60			20 silica vnlt/meter.				
48199	130.00	132.00	2.00	FLOW	7		0.5	20				Strong sil altn, amygdaloidal				
48200	132.00	134.00	2.00	FLOW	7							Blocky, 1.5-cm HTBX at 55 dtc.				
48201	134.00	136.00	2.00	FLOW	6											
48202	136.00	138.00	2.00	FLOW	6				30.0	137		3-cm msv sulphide vn				
48203	138.00	140.00	2.00	FLOW	5											
48204	140.00	142.00	2.00	FLOW	5							amygdaloidal				
48205	142.00	144.00	2.00	FLOW	6											
48206	144.00	146.00	2.00	FLOW	7			5	30							
48207	146.00	148.00	2.00	FLOW	5							amygdaloidal				
48208	148.00	150.00	2.00	FLOW	6											
48209	150.00	152.00	2.00	FLOW	4											
48210	152.00	154.00	2.00	FLOW	6				5	152.1		1-cm two phase sooty py, crystalline py, sph, rounded qtz fragment vn x-cutting py-aspy-sph vn.				
48211	154.00	156.00	2.00	FLOW	6											
48212	156.00	158.00	2.00	FLOW	6				5	157.2		1-cm msv py>sph fe-carb vn.				
48213	158.00	160.00	2.00	FLOW	6											
48214	160.00	162.00	2.00	FLOW	6				0	161.2		1-cm msv py>sph fe-carb vn.				
48215	162.00	164.00	2.00	FLOW	7							sulphide includes galena				
48216	164.00	166.00	2.00	FLOW	7											
48217	166.00	168.00	2.00	FLOW	7											
48218	168.00	170.00	2.00	FLOW	7											
48219	170.00	172.00	2.00	FLOW	7							pyrite dominated disseminated sulphide				
48220	172.00	174.00	2.00	XLTf	7							172.6-218.25 m. XLTf blk mud chip bearing, similar to that described as per 34.6-114.4 m. Lc at dyke contact at 30 dtc.				
48221	174.00	176.00	2.00	XLTf	5	2	15	2	35			1.5 cm shear zone consisting of 1.3 mm rounded siliceous fragments in smooth pyritic matrix at 35 dtc.				
48222	176.00	178.00	2.00	XLTf	5	15										
48223	178.00	180.00	2.00	XLTf	5	10										

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (M)	TO (M)	Length (M)	Lithology	Total sulphide(%)	Frag >1 cm %	max vein size (MM)	Vns/Vnlt/2-M	Vn Angle°	Vein depth (m)	Broken core length (CM)		*Az. corrected for declination				
48224	180.00	182.00	2.00	XLTF	8	3		5	0	181.0		1/2 sooty py vn.					
48225	182.00	184.00	2.00	XLTF	8	1		20	40	183.3		1-cm msv py-sph-aspv vn					
48226	184.00	186.00	2.00	XLTF	4	3			40	184.6		Msv py vn 1-cm					
48227	186.00	188.00	2.00	XLTF	3	2			40	186.5		4-mm py-sph vn					
48228	188.00	190.00	2.00	XLTF	3	2											
48229	190.00	192.00	2.00	XLTF	3	4		1									
48230	192.00	194.00	2.00	XLTF	3	4		1									
48231	194.00	196.00	2.00	XLTF	3	2		1									
48232	196.00	198.00	2.00	XLTF	2	2		2	40	196.2		1-2 mm py-sph vn					
48233	198.00	200.00	2.00	XLTF	3	5			45	197.7		4-mm sooty py vnlt					
48234	200.00	202.00	2.00	XLTF	3	5				10							
48235	202.00	204.00	2.00	XLTF	3	7											
48236	204.00	206.00	2.00	XLTF	4	7						Interval includes clay altd frag to 3-cm					
48237	206.00	208.00	2.00	XLTF	4	5		1	30								
48238	208.00	210.00	2.00	XLTF	4	10	15	2									
48239	210.00	212.00	2.00	XLTF	3	5	4	2									
48240	212.00	213.80	1.80	XLTF	5	5	8										
	213.80	214.30	0.50	XLTF								Sampled by Peter Holbek					
48241	214.30	216.30	2.00	XLTF	7	3		4									
48242	216.30	218.25	1.95	XLTF	8	5	10	10									
												218.25-249.3 m: DYKE. Dark gray, hosts 30% translucent green altd porphyritic blocky hbl in a dark gray f-g matrix. Frequent hairline to 1-cm cc vnlt; occasionally foliated & mostly at low angles. Interval occasionally fissil; hosts slickenslides at 231.05 m. At 232.1 meters a dk brown mineral (pyrobitumen?) occurs in a cc vn with 10-cm bleached altn envelope. 238.5 m 10-cm qtz-cc vn at 40 dtc. Lower ct. in 10-cm of clay altn and gouge.					
	218.25	249.30	31.05	DYKE				10				249.3-363 m EOH. XLTF blk mud chip bearing, wk clay altn & clay altd fragments, locally bedded, lithology generally similar to that described as per 34.6-114.4 m & starting again at 172.6 m. Lc = EOH.					
48243	249.30	251.00	1.70	XLTF	15	1		10									
48244	251.00	253.00	2.00	XLTF	15	2		3									
48245	253.00	255.00	2.00	XLTF	15	5	10	4									
48246	255.00	257.00	2.00	XLTF	10			4									
48247	257.00	259.00	2.00	XLTF	6	2		15				bedding at 30 dtc					

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (M)	TO (M)	Length (M)	Lithology	Total sulphide(%)	Frag >1 cm %	max vein size (MM)	Vns/Vnlt/2-M	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*Az. corrected for declination			
48248	259.00	261.00	2.00	XLTf	4			2								
48249	261.00	263.00	2.00	XLTf	4	3		10								
48250	263.00	265.00	2.00	XLTf	5	2										
48251	265.00	267.00	2.00	XLTf	4	3			7							
48252	267.00	269.00	2.00	XLTf	4	1			3			Bedding at 30 dtc at 267 m.				
48253	269.00	271.00	2.00	XLTf	3	0										
48254	271.00	273.00	2.00	XLTf	3	1	10									
48255	273.00	275.00	2.00	XLTf	3	1			50	273.5		Two foliated sooty py, py veins at 273.5 m, 1 of same at 274.9 at 30 dtc.				
48256	275.00	277.00	2.00	XLTf	2	2										
48257	277.00	279.00	2.00	XLTf	2	1										
48258	279.00	281.00	2.00	XLTf	2	2										
48259	281.00	283.00	2.00	XLTf	3	0										
48260	283.00	285.00	2.00	XLTf	3	1		3								
48261	285.00	287.00	2.00	XLTf	6	3		4	45	286.3		Sooty py vn to 1.5 cm. Interval bedded at 30 to 45 dtc.				
48262	287.00	289.00	2.00	XLTf	6	2			1							
48263	289.00	291.00	2.00	XLTf	4	2			55	290.0		4-cm py-sooty py vn				
48264	291.00	293.00	2.00	XLTf	5	1			40	291.3		asp-y py sms band to 2-cm.				
48265	293.00	295.00	2.00	XLTf	5	2			1	40	293.2		4-mm sulphide vnlt. Bedding at 45 dtc.			
48266	295.00	297.00	2.00	XLTf	5	1			1							
48267	297.00	299.00	2.00	XLTf	6			100	15	298.0		10-cm true width blk sooty, well foliated sulphide band.				
48268	299.00	301.00	2.00	XLTf	5	5		25	25	300.0		1-cm sooty py band/shear zone.				
48269	301.00	303.00	2.00	XLTf	6	15			5							
48270	303.00	305.00	2.00	XLTf	5	5		6	35	304.0		1.5 mm msv sulphide vnlt. Bedding at 35 dtc.				
48271	305.00	307.00	2.00	XLTf	4	3			4	45	200					
48272	307.00	309.00	2.00	XLTf	5	3			40	308.4	200	1/2 cm vnlt				
48273	309.00	311.00	2.00	XLTf	7	7			5	310.0	200	Sooty pyritic shear zone.				
48274	311.00	313.00	2.00	XLTf	4	0		10	10							
48275	313.00	315.00	2.00	XLTf	5	3		20	40	314.0		1-cm sooty foliated py vn.				
48276	315.00	317.00	2.00	XLTf	6	3		10								
48277	317.00	319.00	2.00	XLTf	6	2			15	317.2		Heavy pyrobitumen & 3-cm rounded lithic fragmental, sooty pyrite matrix HTBX.				
48278	319.00	321.00	2.00	XLTf	6	1		5	15							

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (M)	TO (M)	Length (M)	Lithology	Total sulphide(%)	Frag >1 cm %	max vein size (MM)	Vns/Vnls/2-M	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*Az. corrected for declination			
48279	321.00	323.00	2.00	XLTf	6	2		10				Some veins high angle & irregular				
48280	323.00	325.00	2.00	XLTf	7	5		10	60							
48281	325.00	327.00	2.00	XLTf	6	5		8				5-cm clay at 326.7 m.				
48282	327.00	329.00	2.00	XLTf	5	1		20				Bedding at 25 m.				
48283	329.00	331.00	2.00	XLTf	7	2		50	70	329.6		Vnls at high angle, weak stock work b/w 328 & 329.6, includes 3-cm foliated vn bx				
48284	331.00	333.00	2.00	XLTf	7	1		5			100	Clay altd fault at 0 dtc. Bedding at 30 dtc.				
48285	333.00	335.00	2.00	XLTf	6	1		5	30							
48286	335.00	337.00	2.00	XLTf	6	1		5								
48287	337.00	339.00	2.00	XLTf	7	3		3				Pronounced sulphide reaction rims on some fragments.				
48288	339.00	341.00	2.00	XLTf	8	4		12								
48289	341.00	343.00	2.00	XLTf	8	5		10				Wk hairline vnls stwk, pyrobitumen at 340.8 m.				
48290	343.00	345.00	2.00	XLTf	8							Stock work vnls and veins to 1/2 cm at 20-70 dtc. Pyrobitumen at 341.1 m.				
48291	345.00	347.00	2.00	XLTf	7	2		4	20	346.1		3-mm sulphide vnlt.				
48292	347.00	349.00	2.00	XLTf	6	4		6	20							
48293	349.00	351.00	2.00	XLTf	5	7										
48294	351.00	353.00	2.00	XLTf	5	0		20	351.8			10-cm vnlt swarm.				
48295	353.00	355.00	2.00	XLTf	5	1		4								
48296	355.00	357.00	2.00	XLTf	7	4		6				Pyrobitumen at 355.8 m.				
48297	357.00	359.00	2.00	XLTf	7	7		2				Heavy pyrobitumen at 350 m.				
48298	359.00	361.00	2.00	XLTf	6	7		2								
48299	361.00	363.00	2.00	XLTf	7	1	3	10	70	362.8		3 mm msv sph vn at 70 dtc, bedding at 25 dtc. E.O.H.				
												EOH at 363 meters				

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

HOLE NUMBER: FEN14-02			UTM Coordinates			634443 E	6004592 N	ZONE 9		Down Hole Survey:			DEPTH (m)	AZ. °	DIP°	Mag Field	DEPTH (m)	AZ. °	DIP°	Mag Field							
Logged by: Peter Daubeny			Azimuth: 180 °			Dip: -47°	Length: 363 M		CONTRACTOR: HI-TEC Drilling				0	180	47.0		150	186.6	-48.6	5620							
Date Collared: Wednesday May 28th			Date Completed:			Friday May 30th							30	182.6	-47.2	5622	363	188.6	-50.6	5617							
SAMPLE #	FROM (m)	TO (m)	Length (M)	Lithology	Total sulphide(%)	Frag>1 cm %	Max vein size (mm)	Vns/Vnlt/2-m	Vn Angle°	Vein depth (m)	Broken core length (cm)					* Az. corrected for declination											
	0.00	33.80	33.80	OB												Overburden; heterolithic glacial till. Includes mineralised fragments below 21 meters. Dyke lower ct											
48300	24.00	26.00	2.00	FLOW		1		0		50		24.0 to 90.3 m: Porphyritic FLOW. Light gray-green, up to 30% 4-8 mm sericite altd fsp and amphibole, occasional mm scale qtz eye porphyry. Crystalline matrix, occasional rounded lithic clast. 1/2 to 1% sulphide. Moderate fracture controlled clay altd. Lower ct in flow breccia at 25 dtc.															
48301	26.00	28.00	2.00		1		0			50		Overall weakly blocky															
48302	28.00	30.00	2.00		1		0			175																	
48303	30.00	32.00	2.00		1		0			175																	
48304	32.00	34.00	2.00		0.5		0																				
48305	34.00	36.00	2.00		0.5		0																				
48306	36.00	38.00	2.00		0.5		0																				
48307	38.00	40.00	2.00		0.5		0																				
48308	40.00	42.00	2.00		0.5		0					7% wkly altd blocky fsp to 7 mm at 42 m.															
48309	42.00	44.00	2.00		0.5		0																				
48310	44.00	46.00	2.00		0.5		0																				
48311	46.00	48.00	2.00		0.5		0																				
48312	48.00	50.00	2.00		0.5		0																				
48313	50.00	52.00	2.00		0.5		2			20																	
48314	52.00	54.00	2.00		0.5		0	30		30																	
48315	54.00	56.00	2.00		0.5		0			40																	
48316	56.00	58.00	2.00		0.5		1																				
48317	58.00	60.00	2.00		0.5		0																				
48318	60.00	62.00	2.00		0.5		3			70																	
48319	62.00	64.00	2.00		0.5		2	70																			
48320	64.00	66.00	2.00		0.5		6	70																			
48321	66.00	68.00	2.00		0.5		1	30	66.6	40		1/2 to 1-cm py vn bx. Also py vnl at 0 dtc, broken core with same.															
48322	68.00	70.00	2.00		0.5																						
48323	70.00	72.00	2.00		0.5		1					Low angle clay fill fractures at 71.7 m.															

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (M)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnlt/s/2-m	Vn Angle°	Vein depth (m)	Broken core length (cm)	Comments:	* Az. corrected for declination									
48324	72.00	74.00	2.00		0.5			1	5	72.1		Sooty py vnlt										
48325	74.00	76.00	2.00		0.5			1	15	74.6		1/2 cm semi-msv sulphide vnlt										
48326	76.00	78.00	2.00		0.5			1	50													
48327	78.00	80.00	2.00		0.5			1	60													
48328	80.00	82.00	2.00		0.5			1	70													
												81.5-90.3 m: FLOW breccia. Rounded heterolithic clasts including flow banded clasts to >10-cm, sericite and moderate clay altn similar to unit DAP 24.0 meters though overall sulphide 4-7% is higher than above. Comment: interval interpreted as a flow breccia and is nominally part of the overlying flow logged begining at 24.0 meters.										
48329	82.00	84.00	2.00	FLOW	0.5			1	40													
48330	84.00	86.00	2.00		2			1	35													
												86.4 m. 40 cm HTBX at 60 dtc. 1/2 cm msv aspy>py>sph at 86.25 m. Flow banded in fragment.										
48331	86.00	88.00	2.00		5			15	30													
48332	88.00	90.00	2.00		7			20	20			Silica and sulphide vnlt.s.										
												90.3-120.3 m: XLTF, black mud-chip bearing. Angular, clast supported fragments to 5-cm common, frequent moderate to strong clay alteration both fragment and fracture controlled. 3-4% sulphide. Rubble & strong clay alt at contact at 0 dtc at 120.3 m, contact somewhat intercalated with underlying flow & flow breccia b/w 121.1 and 124.05 meters.										
48333	90.00	92.00	2.00	XLTF	3			25		80		Numerous silica and sulphide vnlt.s.										
48334	92.00	94.00	2.00		3			25		30												
48335	94.00	96.00	2.00		4			15		100												
48336	96.00	98.00	2.00		3	15		4	40													
48337	98.00	100.00	2.00		3	15																
48338	100.00	102.00	2.00		4	15		20	101.4			1/2 cm sooty py vnlt.										
48339	102.00	104.00	2.00		4	15																
48340	104.00	106.00	2.00		5	15		2	30			Clot of massive sph at 104.6 m.										
48341	106.00	108.00	2.00		4	7		0														
48342	108.00	110.00	2.00		4	7		2	20			Blk chip at this point.										
48343	110.00	112.00	2.00		4	15		2														
48344	112.00	114.00	2.00		4	25	10	2	30			Clay altd fragmants.										
48345	114.00	116.00	2.00		4	20	10	6	30													
48346	116.00	118.00	2.00		4	20	10	3	25			Clay altd fragmants.										
48347	118.00	120.00	2.00		4	35						1/2 cm vn bx at 20 dtc, str clay altn.										

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (M)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnlts/2-m	Vn Angle°	Vein depth (m)	Broken core length (cm)	Comments:	* Az. corrected for declination			
48348	120.00	122.00	2.00	FLOW	1	0				150		120.3-143.55 m: porphyritic FLOW. Light creamy gray, f-g 10 % < 7-mm amphibole porphyry flow with occasional subtle fragmental texture. Overall weak clay altn, moderate silica altn, 3% pyrite. Lower contact at 30 dtc.				
48349	122.00	124.00	2.00		3					100		Flow banding at 25 dtc.				
48350	124.00	126.00	2.00		2							Flow banded and fragmental, str clay alteration.				
48351	126.00	128.00	2.00		4		75									
48352	128.00	130.00	2.00		2		25									
48353	130.00	132.00	2.00		3		25	30	131.1			3-mm py>sph vn				
48354	132.00	134.00	2.00		3		25									
48355	134.00	136.00	2.00		3		10			20						
48356	136.00	138.00	2.00		2		2			100						
48357	138.00	140.00	2.00		1							Obscure fragmental texture.				
48358	140.00	142.00	2.00		1		4									
48359	142.00	144.00	2.00		2							Interval includes 80-cm of breccia interpreted as flow bottom.				
48360	144.00	146.00	2.00	HTBX	5	30		2				143.55-165.4 m: HTBX, light gray-green, crowded sub-rounded fragments or clasts, wk clay alteration, moderate silica altn, 4% py + sph. No black chips. Interval interpreted to be an HTBX.				
48361	146.00	148.00	2.00		5	30										
48362	148.00	150.00	2.00		4											
48363	150.00	152.00	2.00		4		2									
48364	152.00	154.00	2.00		4		3	6								
48365	154.00	156.00	2.00		5		8	6	40							
48366	156.00	158.00	2.00		3		8	35				Vnlts massive sph dominated.				
48367	158.00	160.00	2.00		3		2	20								
48368	160.00	162.00	2.00		5							Moderate clay altn.				
48369	162.00	164.00	2.00	FLOW	6		5	6				165.4- 186.1 m. Porphyritic FLOW, consisting of 20% strongly sericite altd up to 0.8 cm fsp, 5% 0.5 cm amphibole, 1-2% mica, 1-2% py>sph. Frequent breccia texture and occasional occasional flow banding. Lc in fault/clay altd breccia at 15 dtc. Interval 162-164 m vnlts sph dominated, moderate clay altn.				
48370	164.00	166.00	2.00		3		4	35				Moderate clay altn.				
48371	166.00	168.00	2.00		1		1	30				Vnlts py-sph.				
48372	168.00	170.00	2.00		1		0									
48373	170.00	172.00	2.00		1											

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (M)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnlts/2-m	Vn Angle°	Vein depth (m)	Broken core length (cm)	Comments:	* Az. corrected for declination								
48374	172.00	174.00	2.00		1																
48375	174.00	176.00	2.00		1																
48376	176.00	178.00	2.00		1																
48377	178.00	180.00	2.00		1							Strong clay altered fractures at low angle.									
48378	180.00	182.00	2.00		1																
48379	182.00	184.00	2.00		1																
48380	184.00	186.00	2.00		1																
48381	186.00	188.00	2.00	BRXX	5							186.1-217.5 m. Flow BRXX, crowded lithic clasts, including flow banded clasts to 20-cm. Overall mod to strong clay altn, wk silica, not many vnlts, no black chips. At least minor HTBX at 205.3 m. Comment: This interval is interpreted as a flow breccia based on the presences of flow banded clasts but otherwise monolithic nature of this unit.									
48382	188.00	190.00	2.00		3		1	20													
48383	190.00	192.00	2.00		3		0														
48384	192.00	194.00	2.00		3	10	0														
48385	194.00	196.00	2.00		3		1	35				Crowded fragmental.									
48386	196.00	198.00	2.00		4		0														
48387	198.00	200.00	2.00		4		0														
48388	200.00	202.00	2.00		4		0		50			50-cm blocky core, str clay altn at 201 m.									
48389	202.00	204.00	2.00		6		0					Mod clay									
48390	204.00	206.00	2.00		6		0														
48391	206.00	208.00	2.00		5		0					Strong clay									
48392	208.00	210.00	2.00		5		0					Strong clay									
48393	210.00	212.00	2.00		4		1	0				Moderate silica altn, str clay.									
48394	212.00	214.00	2.00		4							Strong clay									
48395	214.00	216.00	2.00		4		2	60				Mod clay altn.									
48396	216.00	218.00	2.00	XLTF	4	7.5	4	30	217.3			217.5-363 m (EOH): XLTF, black mud chip bearing, locally bedded, otherwise similar to 90.3-120.3 meters and other blk mud chip bearing XLTF intersected in current drill holes. Lower contact at EOH. This interval (216-218 m) hosts msv and sooty py vn, moderate clay altn.									
48397	218.00	220.00	2.00		4		2					Mod silica altn									
48398	220.00	222.00	2.00		4		1	10													
48399	222.00	224.00	2.00		4		2	10				Vnlt angles 10 and 70 dtc.									

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (M)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnlts/2-m	Vn Angle°	Vein depth (m)	Broken core length (cm)	Comments:	* Az. corrected for declination				
48400	224.00	226.00	2.00		4		2	0									
48401	226.00	228.00	2.00		4		0										
48402	228.00	230.00	2.00		5		0										
48403	230.00	232.00	2.00		4	5	1	10									
48404	232.00	234.00	2.00		4	10	0										
48405	234.00	236.00	2.00		4	5	10	1	30	235.9		Sooty clay vn.					
48406	236.00	238.00	2.00		4	4	2	20									
48407	238.00	240.00	2.00		3	4	0										
48408	240.00	242.00	2.00		3	10											
48409	242.00	244.00	2.00		3		0										
48410	244.00	246.00	2.00		4		4	25				vnlt angle also at 35 dtc.					
48411	246.00	248.00	2.00		5		4	30									
48412	248.00	250.00	2.00		5		4	25									
48413	250.00	252.00	2.00		4		0										
48414	252.00	254.00	2.00		4												
48415	254.00	256.00	2.00		5	100	1	25				10-cm sooty py vn.					
48416	256.00	258.00	2.00		4		2	25									
48417	258.00	260.00	2.00		5	75	2	50	259.2			msv py vn					
48418	260.00	262.00	2.00		5	25	1	25	261.1			Sooty py vn brxx with pyritic envelope over 20-cm.					
48419	262.00	264.00	2.00		4		0										
48420	264.00	266.00	2.00		4		2	20				vnlt angle 20 and 30 dtc.					
48421	266.00	268.00	2.00		4		30		80			266.0-268.0 m. Pyritic clay altn/fault at 30 dtc.					
48422	268.00	270.00	2.00		4	50	4	25	269.9			4-cm msv py>>aspv vn at 30 dtc					
48423	270.00	272.00	2.00		4				50			50-cm strong fracture controlled clay altn at low angle.					
48424	272.00	274.00	2.00		5	2	0					Str sulphide reaction rims on some fragments, Fe-carbonate and moderate clay altn.					
48425	274.00	276.00	2.00		5							Mod often fragment controlled clay altn					
48426	276.00	278.00	2.00		5				10			10-cm clay altn & fractures at 276.0 meters.					
48427	278.00	280.00	2.00		5	5	5	4	30		100	Blocky broken core at 30 dtc.					
48428	280.00	282.00	2.00		5	5	0										
48429	282.00	284.00	2.00		5		5	3	25	289.9							
48430	284.00	286.00	2.00		5	10	6	20	284.8			1-cm py-sph-aspv vn at 284.75 and 284.15 m.					

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (M)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnlt/s/2-m	Vn Angle°	Vein depth (m)	Broken core length (cm)	Comments:	* Az. corrected for declination				
48431	286.00	288.00	2.00		5		3	3	25	286.5		3-mm clay - py vnlts at 25 dtc.					
48432	288.00	290.00	2.00		5		3	3	15			Sooty py & crystalline py vnlts					
48433	290.00	292.00	2.00		5		3	2	35	291.1		py vnlts					
48434	292.00	294.00	2.00		5		2	3	30	293.7		py-aspy vnlts.					
48435	294.00	296.00	2.00		5			3	30								
48436	296.00	298.00	2.00		5			2									
48437	298.00	300.00	2.00		5			1	30	301.9							
48438	300.00	302.00	2.00		5												
48439	302.00	304.00	2.00		5												
48440	304.00	306.00	2.00		5			3	30								
48441	306.00	308.00	2.00		5		10	2	30	307.9		Py-sooty py vn.					
48442	308.00	310.00	2.00		5			15				pyrobitumen hosted n sulphide vnlts and disseminated. Vnlts at low angle and 60 dtc.					
48443	310.00	312.00	2.00		7			20				1-cm HTBX at 311.1 meters at 40 dtc. Heavy pyrobitumen at this point.					
48444	312.00	314.00	2.00		6												
48445	314.00	316.00	2.00		6		4	1	30	315.9		Py-aspy sooty py vnlts					
48446	316.00	318.00	2.00		5			6	35								
48447	318.00	320.00	2.00		5		10	1	35	318.9		foliated py-sph vn					
48448	320.00	322.00	2.00		5		2	1	40	322.0		aspy.py vnlts					
48449	322.00	324.00	2.00		5			1	35								
48450	324.00	326.00	2.00		5			4				General wk clay altn over this interval.					
48451	326.00	328.00	2.00		4			1	35		20						
48452	328.00	330.00	2.00		4			5	25		60	Sooty py on fractures.					
48453	330.00	332.00	2.00		4			1	30			Py - aspy vnlts					
48454	332.00	334.00	2.00		4												
48455	334.00	336.00	2.00		4			4	25								
48456	336.00	338.00	2.00		4			2	20								
48457	338.00	340.00	2.00		5		0					Py dominated sulphide.					
48458	340.00	342.00	2.00		7		0					Py > aspy > sph.					
48459	342.00	344.00	2.00		7		2	35									
48460	344.00	346.00	2.00		5		0					Py dominant sulphide.					
48461	346.00	348.00	2.00		5		11	10	35	347.1		Py-sph-aspy Fe-carb vn to 1.1 cm					

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (M)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnlts/2-m	Vn Angle°	Vein depth (m)	Broken core length (cm)	Comments:	* Az. corrected for declination				
48462	348.00	350.00	2.00		5		30	6	30	348.0		Sooty py vn breccia at 348 m.					
48463	350.00	352.00	2.00		6							Traces of pyrobitumen, fe-carb altd fragment to 1.5 cm.					
48464	352.00	354.50	2.50		6												
48465	354.50	357.00	2.50		6			1	25								
48466	357.00	359.00	2.00		6			0									
48467	359.00	361.00	2.00		6			3	55	360.5							
48468	361.00	363.00	2.00		6							EOH at 363 meters.					
				EOH at 363 meters.													

Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

HOLE NUMBER: FEN14-03			UTM Coordinates : 634351 E 6004404 N			ZONE 9		Down Hole Survey:			DEPTH (m)	AZ. °	DIP°	Mag Field	DEPTH (m)	AZ. °	DIP°	Mag Field	
Logged by: Peter Daubeny			Azimuth: 118 °		Dip: -60°	Length: 609 M		CONTRACTOR: HI-TEC Drilling			0	118	-60.0		156	122.7	-61.4	5634	
Date Collared: SUNDAY MAY 30TH			Date Completed: Tuesday June 3									15	121*	59.4	5616	609	132.0	-63.7	5618
SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnlt/s/2-m	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*= All Az. corrected for declination						
	0.00	3.00	3.00	OB								10-cm recovered heterolithic pebbles from overburden.							
48469	3.00	6.00	3.00	FLOW	0.5						40	3.0-42.9 m: Porphyritic flow. Light gray-green, 15% up to 0.6 cm light green, completely sericite altd porphyritic amphibole & fsp in an aphanitic matrix. Interval also hosts 1-2% partially ser altd biotite to 0.5 cm, 1/2% disseminated f-g pyrite; rare lithic rounded lithic fragments. Oxide on fracture surfaces to 11 meters. Interval overall blocky, strong clay on fracture surfaces. Lower ct somewhat gradational but marked by the absence of porphyritic fsp, an increase in the fragmental nature of the core, and an increase in the sulphide carrying capacity of the core. Lc placed at diffuse 3-cm band of clay altn at 25 dtc. 60% recovery from 3 to 6 meters, hence the 3-m sample interval.							
48470	6.00	8.00	2.00		0.5							Oxide on fractures.							
48471	8.00	10.00	2.00		0.5							Oxide on fractures.							
48472	10.00	12.00	2.00		0.5														
48473	12.00	14.00	2.00		0.5					30									
48474	14.00	16.00	2.00		0.5					200									
48475	16.00	18.00	2.00		0.5					75									
48476	18.00	20.00	2.00		0.5					200		broken core at low angles.							
48477	20.00	22.00	2.00		0.5	200	1	25	20.8	200		Massive sooty py vn.							
48478	22.00	24.00	2.00		0.5		3	25		200		Sooty py vnlts, blocky to rubble core.							
48479	24.00	26.00	2.00		4.0		20	30	25.0	75		Pink calcite(?) blebs and veinlets. 5-cm faults breccia at 30 dtc at 24.1 m. 25-25.9 m sooty py veins at 30 & 0 dtc							
48480	26.00	28.00	2.00		0.5	5	1	30				Blocky with a sooty py vnlts							
48481	28.00	30.00	2.00		1.0	3	3	20				Py, sooty py, Fe-carb vn							
48482	30.00	32.00	2.00		1.0		3	60				irregular py vnlts, trace sph.							
48483	32.00	34.00	2.00		1.5		5	60		80		1% sph, 1/2% py.							
48484	34.00	36.00	2.00		1.5					100		1% sph, 1/2% py. Fault bx with clay altn.							
48485	36.00	38.00	2.00		5.0	5	3	30		20		Three 2-5 cm sooty foliated py vns at 30-40 dtc.							
48486	38.00	40.00	2.00		1.0		2	30				1/2% sph, 1/2% py.							
48487	40.00	42.00	2.00		1.0	1	1	30				1/2% sph, 1/2% py.							

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnlts/2-m	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*= All Az. corrected for declination		
48488	42.00	44.00	2.00	FLOW	3.0			2				43.0-286.0 m: FLOW. Light-gray, variably weakly fsp-amphibole porphyritic, often weakly or strongly brecciated with occasional meter scale intervals of HTBX, occasionally flow banded, fracture controlled clay altd, ~5% sulphide bearing unit interpreted as a flow. Lower ct set at disappearance of breccia texture and appearance of lithic fragmental texture.			
48489	44.00	46.00	2.00		5.0			4	45			Py>sph>asp>galena			
48490	46.00	48.00	2.00		5.0			4	30			Py>sph>asp>galena			
48491	48.00	50.00	2.00		5.0			8	60						
48492	50.00	52.00	2.00		5.0		2	8							
48493	52.00	54.00	2.00		5.0		2	6	30			Fe-carb, sph-py vnlts, two to 2 mm.			
48494	54.00	56.00	2.00		4.0		20	8	45	55.3		4% py>sph, two cm sooty py vn breccia at 0 dtc at 55.3 m.			
48495	56.00	58.00	2.00		4.0		3	1	35	56.8		Fe-carb, sph-galena vnlts, 5-cm fault breccia, clay altd at 5 dtc.			
48496	58.00	60.00	2.00		4.0			10	45						
48497	60.00	62.00	2.00		3.0		2	5	45	61.1		Fe-carb py vnlts.			
48498	62.00	64.00	2.00		3.0		2	2	30			cc-py vnlts at 30 and 0 dtc.			
48499	64.00	66.00	2.00		4.0		2	1	55	65.2		py vnlts.			
48500	66.00	68.00	2.00		3.0			6							
48501	68.00	70.00	2.00		4.0			1	60						
48502	70.00	72.00	2.00		4.0		2	5	30			Py, fe-carb vnlts, flow banding at 15 dtc at 71.0 m.			
48503	72.00	74.00	2.00		3.0		2	3	30	72.1		Py-sph vnlts.			
48504	74.00	76.00	2.00		3.0			6	35			Polymetallic vnlts.			
48505	76.00	78.00	2.00		5.0			8							
48506	78.00	80.00	2.00		5.0		2	8	30			py, sooty py vnlts.			
48507	80.00	82.00	2.00		4.0			0							
48508	82.00	84.00	2.00		4.0		1	3	30	83.5		Msv sph-Fe-carb.			
48509	84.00	86.00	2.00		4.0		1	4	25	85.8		Vnlts also at 15 dtc.			
48510	86.00	88.00	2.00		4.0			1	25	87.4		Py>sph vnlts			
48511	88.00	90.00	2.00		5.0			8	50			Py dominant sulphide in vnlts.			
48512	90.00	92.00	2.00		5.0		3	2	10	91.1		Fe-carb, sph, aspy vnlts.			
48513	92.00	94.00	2.00		5.0		2	1	30	92.4		silica vnlts.			
48514	94.00	96.00	2.00		4.0			3	15			Sph-py vnlts.			
48515	96.00	98.00	2.00		3.0			4	30			Vnlts angle 30 and 45 dtc.			

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnltis/2-m	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*= All Az. corrected for declination		
48516	98.00	100.00	2.00		3.0		1	3				aspy-py vnlt			
48517	100.00	102.00	2.00		4.0		1	2	50			Vnlt irregular at 50 dtc.			
48518	102.00	104.00	2.00		3.0		1	2	50			py vnlt at 30 and 50 dtc.			
48519	104.00	106.00	2.00		5.0		3	5	45			Py > sph			
48520	106.00	108.00	2.00		4.0		4	50				py vnlt at 30 and 50 dtc.			
48521	108.00	110.00	2.00		3.0		0								
48522	110.00	112.00	2.00		3.0		1	50	111.2			Pyrobitumen. Py vnlt.			
48523	112.00	114.00	2.00		3.0		3	6	25	112.6		Py vnlt.			
48524	114.00	116.00	2.00		3.0		1	30				Py vnlt, mod fracture controlled clay altn.			
48525	116.00	118.00	2.00		3.0		1	3	45			Py vnlt.			
48526	118.00	120.00	2.00		3.0		4	70							
48527	120.00	122.00	2.00		3.0		5	4	45	121.3		4 py-sph vnlt.			
48528	122.00	124.00	2.00		3.0		3	25				silica and sil-py vnlt			
48529	124.00	126.00	2.00		3.0		2	35		20		blocky, clay altd fractures, 2-cm clay at 65 dtc at 124.03 m.			
48530	126.00	128.00	2.00		3.0		4	6	25	126.6		sooty py-sph vnlt.			
48531	128.00	130.00	2.00		3.0		10	30				60-cm of str clay altn at 35 dtc.			
48532	130.00	132.00	2.00		3.0		3					30-cm of str clay altn at 30 dtc at 131.7 m.			
48533	132.00	134.00	2.00		4.0		2	45				45-cm of str clay altn at 30 dtc at 132.75 m.			
48534	134.00	136.00	2.00		3.0		8								
48535	136.00	138.00	2.00		4.0		1	25				Sooty py vnlt.			
48536	138.00	140.00	2.00		4.0		6	35							
48537	140.00	142.00	2.00		3.0		10	5	30	141.0		Msv py-clay vn			
48538	142.00	144.00	2.00		4.0		3					Py>>sph			
48539	144.00	146.00	2.00		4.0		4					Clay fractures at 70 dtc.			
48540	146.00	148.00	2.00		5.0		0					10-cm clay filled fracture at 147.75m.			
48541	148.00	150.00	2.00		5.0		2	15							
48542	150.00	152.00	2.00		5.0		1	30				Clay filled fracture at 30 dtc.			
48543	152.00	154.00	2.00		5.0		4								
48544	154.00	156.00	2.00		4.0							50-cm of strongly clay altd breccia, possibly at steep angle to core-axis.			
48545	156.00	158.00	2.00		5.0							Flow banding 30-75 dtc.			
48546	158.00	160.00	2.00		4.0							1-cm clay at 159.4 m at 65 dtc.			

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnnts/2-m	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*= All Az. corrected for declination		
48547	160.00	162.00	2.00		5.0			15							
48548	162.00	164.00	2.00		5.0			16				1/2 cm clay at 45 dtc.			
48549	164.00	166.00	2.00		4.0							HTBX or breccia from ~164.3-167.3 m, uc at 45 dtc, lc at 35 dtc. Clay altd fractures and altd fragments.			
48550	166.00	168.00	2.00		3.0							Breccia, partially to fully displaced fragments with siliceous matrix.			
48551	168.00	170.00	2.00		7.0							Strong flow bands at 10-45 dtc			
48552	170.00	172.00	2.00		7.0							HTBX from 170.1-170.3 m. Strong flow bands at 10-45 dtc, minor breccia & clay altn.			
48553	172.00	174.00	2.00		5.0							Flow banding & 1cm clay altd breccia at 30 dtc at 173.0 m.			
48554	174.00	176.00	2.00		4.0			50				174.25-180.15 m HTBX: multiple stages; uc 55, lc 50 dtc. This interval includes stock work of hairline veinlets.			
48555	176.00	178.00	2.00		3.0							clay altd fractures at 40 dtc.			
48556	178.00	180.00	2.00		4.0	4	1	40	176.2						
48557	180.00	182.00	2.00		4.0		0								
48558	182.00	184.00	2.00		4.0		4								
48559	184.00	186.00	2.00		5.0	5	1	0	184.4			Breccia textured. 10-cm clay altd breccia at 35 dtc at 185.4 m. Py vn at 184.4 m.			
48560	186.00	188.00	2.00		5.0		1	35							
48561	188.00	190.00	2.00		5.0										
48562	190.00	192.00	2.00		5.0										
48563	192.00	194.00	2.00		4.0							Minor HTBX (10+ cm).			
48564	194.00	196.00	2.00		4.0										
48565	196.00	198.00	2.00		4.0										
48566	198.00	200.00	2.00		4.0										
48567	200.00	202.00	2.00		3.0		3	30							
48568	202.00	204.00	2.00		4.0		6	30							
48569	204.00	206.00	2.00		3.0	2	1	25	205.1			Py - sph vnlt.			
48570	206.00	208.00	2.00		2.0					100		clay altd			
48571	208.00	210.00	2.00		2.0					40		clay altd			
48572	210.00	212.00	2.00		4.0							~65 cm HTBX at ~35 dtc			
48573	212.00	214.00	2.00		3.0							212.1-213.0 m: HTBX, uc in 1-cm clay at 35 dtc, lc in clay altn at 45 dtc.			
48574	214.00	216.00	2.00		3.0	4	3	0				Hairline vnlt at 20 dtc, overall fragmental texture.			
48575	216.00	218.00	2.00		3.0					100		Clay altd fractures at 0 dtc			
48576	218.00	220.00	2.00		2.0		2	25		30		Clay altd fractures.			
48577	220.00	222.00	2.00		4.0		1	20							

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnlts/2-m	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*= All Az. corrected for declination		
48578	222.00	224.00	2.00		5.0			1							
48579	224.00	226.00	2.00		6.0			3	30			Vnlts 30-35 dtc.			
48580	226.00	228.00	2.00		5.0							Porcelaneous altn on vnlts and breccia matrix.			
48581	228.00	230.00	2.00		6.0			3	50						
48582	230.00	232.00	2.00		5.0			2	35			Flow banded clasts, 20-cm HTBX at 321 m.			
48583	232.00	234.00	2.00		6.0										
48584	234.00	236.00	2.00		3.0			0				Flow banded and cm scale HTBX.			
48585	236.00	238.00	2.00		3.0							Irregularly oriented flow banding.			
48586	238.00	240.00	2.00		3.0							~239.8-248.8 m: HTBX			
48587	240.00	242.00	2.00		4.0							1-cm clay fracture at 45 dtc.			
48588	242.00	244.00	2.00		3.0							Clay band at 20 dtc at 243.95 m.			
48589	244.00	246.00	2.00		3.0		10	6	30			Clay altd fractures and pervasive .. 1-cm sph-py vn at 4 dtc.			
48590	246.00	248.00	2.00		3.0		3	4	80			3-mm sulphide vn at 80 dtc, hairline vnlts at 20 dtc.			
48591	248.00	250.00	2.00		4.0							breccia texture.			
48592	250.00	252.00	2.00		3.0							Pervasive and fracture controlled clay altn b/w 251.5 and 252.5 m.			
48593	252.00	254.00	2.00		5.0		2	8	35			breccia texture.			
48594	254.00	256.00	2.00		4.0							Fragmental texture, clay altd fractures.			
48595	256.00	258.00	2.00		4.0		2	1	30			Clay py vn at 45 dtc. Interval include 40-cm pervasive clay altn			
48596	258.00	260.00	2.00		2.0					200		Numerous clay fractures at 45 dtc. Broken core b/w 257.3-260.6 m.			
48597	260.00	262.00	2.00		3.0		1	30	260.8	50		Py - clay vn.			
48598	262.00	264.00	2.00		2.0							clay altd fractures.			
48599	264.00	266.00	2.00		2.0					40		1-m of clay filled fractures.			
48600	266.00	268.00	2.00		2.0					80		Fractures at 30 dtc. Change sample series.			
48651	268.00	270.00	2.00		1.0				100			100-cm rubble at 60 dtc, 1-m missing core. Str clay altn. <b>Change in sample series.</b>			
48652	270.00	272.00	2.00		4.0							HTBX textures.			
48653	272.00	274.00	2.00		3.0										
48654	274.00	276.00	2.00		4.0		3								
48655	276.00	278.00	2.00		4.0		1	30							
48656	278.00	280.00	2.00		3.0		6	30							
48657	280.00	282.00	2.00		3.0							30-cm of dark gray matrix HTBX at 280.3 m.			
48658	282.00	284.00	2.00		4.0							Minor HTBX textures.			

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnlts/2-m	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*= All Az. corrected for declination			
48659	284.00	286.00	2.00		5.0											
48660	286.00	288.00	2.00	XLTF	5.0							286-487.5 m: XLTF, black mud-chip bearing. Unit similar to XLTF first described at 90.3 m in FEN14-02 and 34.6 meters in FEN14-01. Overall, this unit is clearly and frequently coarsely bedded, includes lithic fragments, angular to rounded, clay altered lithic fragments, and pyritic fragments. Lc at porphyritic unit at 60 dtc.				
48661	288.00	290.00	2.00		5.0											
48662	290.00	292.00	2.00		5.0		3	1	30	292.0		1-3 mm aspy - py vnlts				
48663	292.00	294.00	2.00		5.0											
48664	294.00	296.00	2.00		5.0		2									
48665	296.00	298.00	2.00		5.0		1	1	20	297.8						
48666	298.00	300.00	2.00		5.0		1	3	20			Three 1-mm sooty vns at 20-35 dtc.				
48667	300.00	302.00	2.00		5.0			3		20.0		Vnlts at 60 dtc with clay altn as well.				
48668	302.00	304.00	2.00		5.0							Trace pyrobitumen, 20-cm band of pervasive clay altn at 303.1 m.				
48669	304.00	306.00	2.00		5.0							304.7-338.0 m. XLTF hosting heavy pyrobitumen that decreases gradually down interval. This interval (304-306 m). 5% pyrobitumen.				
48670	306.00	308.00	2.00		4.0							4% pyrobitumen.				
48671	308.00	310.00	2.00		4.0							15% pyrobitumen. Locally 50% of core stained with pyrobitumen over 40-cm.				
48672	310.00	312.00	2.00		4.0							Heavy pyrobitumen				
48673	312.00	314.00	2.00		5.0							Heavy pyrobitumen. 15-cm pervasive clay altn at 312 m.				
48674	314.00	316.00	2.00		4.0							50% pyrobitumen from 314.75-316.4 m. 4-cm pyrobitumen matrix breccia at 315.15 m.				
48675	316.00	318.00	2.00		4.0							Moderate pyrobitumen.				
48676	318.00	320.00	2.00		6.0							Moderate pyrobitumen. Porcelaneous altd fragment minzd with pyrite-sph x-cuts pyrobitumen at 45 dtc; clay altd margins.				
48677	320.00	322.00	2.00		5.0							Moderate pyrobitumen.				
48678	322.00	324.00	2.00		4.0							Moderate pyrobitumen. Porcelaneous altd fragment minzd with pyrite-sph x-cuts pyrobitumen at 45 dtc; clay al				
48679	324.00	326.00	2.00		5.0							Locally heavy pyrobitumen. Centimeter scale HTBX.				
48680	326.00	328.00	2.00		5.0							Moderate pyrobitumen.				
48681	328.00	330.00	2.00		5.0							Weak pyrobitumen as disseminations, blebs and vnlts.				
48682	330.00	332.00	2.00		4.0											
48683	332.00	334.00	2.00		5.0							Fg py. as replacement of Hbl. 332.7-334.7 m pervasive clay altn.				
48684	334.00	336.00	2.00		5.0							bedding at 60 dtc.				
48685	336.00	338.00	2.00		5.0			40				40-cm clay and broken core.				

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnlts/2-m	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*= All Az. corrected for declination		
48686	338.00	340.00	2.00		5.0			3				40-cm bed of crowded fragments to 2-cm			
48687	340.00	342.00	2.00		5.0										
48688	342.00	344.00	2.00		5.0		5	1	40			Py vnlt.			
48689	344.00	346.00	2.00		5.0		1	4	45			Traces pyrobitumen at clast edges.			
48690	346.00	348.00	2.00		5.0		10	1	30	346.5		Py>>sph in vn			
48691	348.00	350.00	2.00		5.0		5	1	40			Bedding at 60 dtc x-cut by massive sulphide vn to 1/2 cm.			
48692	350.00	352.00	2.00		6.0			6	0						
48693	352.00	354.00	2.00		6.0			1	30						
48694	354.00	356.00	2.00		6.0			1	25						
48695	356.00	358.00	2.00		6.0										
48696	358.00	360.00	2.00		5.0			3							
48697	360.00	362.00	2.00		5.0							Moderate intensity irregularly oriented pyrobitumen stwk adjacent to 3-cm HTBX at 45 dtc.			
48698	362.00	364.00	2.00		6.0										
48699	364.00	366.00	2.00		6.0			2	20			Bedding at 20 dtc.			
48700	366.00	368.00	2.00		5.0			5	20			hairline sulphide vnlts at 20 and 30 dtc oblique, minor pyrobitumen.			
48701	368.00	370.00	2.00		5.0			2				Minor pyrobitumen in breccia at 369.4, sooty py vnlt adjacent at 35 dtc.			
48702	370.00	372.00	2.00		5.0							trace pyrobitumen			
48703	372.00	374.00	2.00		5.0			7	0			Moderate pyrobitumen			
48704	374.00	376.00	2.00		6.0			6	0			Heavy pyrobitumen at 374.85 m, locally strong py on fracture surfaces. Bdg at 40 dtc.			
48705	376.00	378.00	2.00		6.0			4	25			vnlts at 25 and 45 dtc.			
48706	378.00	380.00	2.00		5.0										
48707	380.00	382.00	2.00		5.0							Clay on most fracture surfaces.			
48708	382.00	384.00	2.00		5.0							Traces pyrobitumen.			
48709	384.00	386.00	2.00		5.0			3	40			Bedding at 45 dtc.			
48710	386.00	388.00	2.00		5.0			6	30			10-cm massive sphalerite "stwk" at 20 dtc.			
48711	388.00	390.00	2.00		5.0		20	9	40	388.1		sph-py vn breccia at 40 dtc.			
48712	390.00	392.00	2.00		5.0		1	5	40						
48713	392.00	394.00	2.00		4.0			6	40			40-cm str clay altn.			
48714	394.00	396.00	2.00		5.0		1	10				30-cm HTBX at 30 dtc at 394.7 m. 3-cm HTBX at 30 dtc at 395.3 m.			
48715	396.00	398.00	2.00		5.0			7	60						
48716	398.00	400.00	2.00		5.0							2-cm HTBX at 25 dtc in 10-cm str clay altn.			

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnlts/2-m	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*= All Az. corrected for declination			
48717	400.00	402.00	2.00		5.0			10				Traces pyrobitumen b/w 401.7 and 402 m. bdg at 30 dtc.				
48718	402.00	404.00	2.00		4.0		1	6	40			Vnlts at 40 and 30 dtc.				
48719	404.00	406.00	2.00		4.0			2	20			Bedding at 40				
48720	406.00	408.00	2.00		4.0			2	40							
48721	408.00	410.00	2.00		4.0			5	25							
48722	410.00	412.00	2.00		5.0			3	45			Bedding at 45 dtc, oblique to vnlts.				
48723	412.00	414.00	2.00		5.0		5	1	35	413.0		Msv aspy vnlts.				
48724	414.00	416.00	2.00		5.0			4	45			Vnlts at 45 and 30 dtc oblique.				
48725	416.00	418.00	2.00		4.0			2	35							
48726	418.00	420.00	2.00		5.0		1	4	35							
48727	420.00	422.00	2.00		6.0			3	45			gray, vfg aspy (?) envelopes on vnlts.				
48728	422.00	424.00	2.00		5.0			1	20							
48729	424.00	426.00	2.00		5.0			4	20							
48730	426.00	428.00	2.00		4.0			3	10							
48731	428.00	430.00	2.00		3.0			2	30							
48732	430.00	432.00	2.00		5.0			1	20							
48733	432.00	434.00	2.00		5.0			1	50							
48734	434.00	436.00	2.00		4.0			5	60		50	50-cm clay altn and broken core at 5 dtc.				
48735	436.00	438.00	2.00		4.0		1	4	70	437.3	100	Fe-carb-sph vnlts				
48736	438.00	440.00	2.00		5.0			1	30							
48737	440.00	442.00	2.00		4.0				0							
48738	442.00	444.00	2.00		4.0				0			5-cm of sooty py vnlts grading into 50-cm moderate clay altn at 35 dtc starting at 443.65 m.				
48739	444.00	446.00	2.00		5.0							441.15-449.1 m: HTBX at 30 dtc. Rounded clasts to 5-cm. Higher sulphide content than host rock.				
48740	446.00	448.00	2.00		5.0							Pyrobitumen stain at 447.95 meters.				
48741	448.00	450.00	2.00		6.0			1	15		40	Broken core below HTBX lower contact.				
48742	450.00	452.00	2.00		4.0											
48743	452.00	454.00	2.00		3.0		1	7	30			vnlts at 30-60 dtc.				
48744	454.00	456.00	2.00		3.0			1	60		120	Crowded lithic fragments				
48745	456.00	458.00	2.00		6.0			2	40			Bedding at 30 dtc.				
48746	458.00	460.00	2.00		5.0			2	25							
48747	460.00	462.00	2.00		6.0		10	1	0		80	10-cm sooty py vnlts hosting slickenslides and trace pyrobitumen.				

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnltts/2-m	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*= All Az. corrected for declination			
48748	462.00	464.00	2.00		7.0		10	1	0	200		Sooty py vnlts at 0 dtc with clay selvages.				
48749	464.00	466.00	2.00		6.0		10	1	0	200		Sooty py vnlts at 0 dtc with clay selvages.				
48750	466.00	468.00	2.00		7.0		5	1				1/2 cm sooty py vn.				
48751	468.00	470.00	2.00		5.0		1	1	20							
48752	470.00	472.00	2.00		5.0		2	30				Vnlts 30 & 20 dtc.				
48753	472.00	474.00	2.00		5.0		2	35								
48754	474.00	476.00	2.00		5.0		5	4	30			1/2 cm vn breccia at 30 dtc.				
48755	476.00	478.00	2.00		4.0		2	50								
48756	478.00	480.00	2.00		4.0		10	25								
48757	480.00	482.00	2.00		7.0		15	20								
48758	482.00	484.00	2.00		7.0		35	20				wk vnlts stwk, locally heavy pyrobitumen as blebs & vnlts. Str clay altn.				
48759	484.00	486.00	2.00		4.0		40	1	40			Pyrobitumen as vnlts and blebs, pervasive clay altn. 40-cm sooty py-sph-py-cpy vn breccia.				
												487.5-489.7 m: Porphyritic FLOW: Light gray, 5-10% creamy diffuse, soft (clay-sericite altd) amphibole and fsp to 4-mm porphyry in a crystalline matrix. Interval silicified and hosts fracture controlled clay alteration. Mineralisation 5-7% cubic py. Lc at post mineral dyke at 30 dtc.				
48760	486.00	488.00	2.00	FLOW	3.0		15	20				Interval (486-488 m). 1-cm HTBX at 0 dtc.				
48761	488.00	489.70	1.70		3.0							489.7-496.4 m: DYKE; Light green, aphanitic with ghosts of tan colored amphibole porphyry to a few %. Pervasive (5+) vnlts of pyrolusite(?) mostly at low angles to core axis. Interval irregularly hosts pyrobitumen. Interval flow banded irregularly at low angle to core axis. Interval also contains raft of XLTF at 493.4 m. Upper ct and lower ct clay altered at 30 dtc.				
48762	489.70	492.00	2.30	DYKE	0.0											
48763	492.00	494.00	2.00		0.0							Raft of XLTF from 493.4-493.8 m; hosts 7% py, 3% pyrobitumen.				
48764	494.00	496.40	2.40									Locally dyke hosted vugs with pyrobitumen.				
												496.4-514.75 m: porphyritic FLOW. Continuation of interval described as per 487.5-489.7 m. Lower contact at 40 dtc. Two subintervals are: One; 496.4-498 m: HTBX two phases , 1st rounded clast, dark matrix, 2nd one clay altered. Lc at 25 dtc. Two; flow from 498.0~502.7 m is light gray, fine-grained to medium-grained, polycrystalline, occasionally vesicular, occasionally rounded matrix supported fragmental textured flow mineralised with 4-7% py.				
48765	496.40	498.00	1.60	FLOW	3.0							499 m: 1-cm HTBX at 5 dtc.				
48766	498.00	500.00	2.00		4.0											
48767	500.00	502.00	2.00		4.0			150								
48768	502.00	504.00	2.00		5.0			80				Low angle clay nucleated fractures.				
48769	504.00	506.00	2.00		5.0							504.15-504.45 m: HTBX with well foliated sooty pyrite matrix , all at 40 dtc.				

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnlts/2-m	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*= All Az. corrected for declination			
48770	506.00	508.00	2.00		3.0					20		total 60-cm HTBX and foliated py vns at 45 to 60 dtc.				
48771	508.00	510.00	2.00		4.0							509.7-510.5 m: 1.2 meters strongly clay altered HTBX at 25 dtc.				
48772	510.00	512.00	2.00		4.0							Pervasive Pyrobitumen vnlts 510-510.55 m.				
48773	512.00	514.75	2.75		4.0		8	1	0	200		Pyrobitumen blebs & vnlts. Msv sph vnlts to 0.8 cm. Str clay on fracture surfaces.				
				DYKE								514.75-540.25 m: DYKE, dark gray-green 20% up to 0.8 cm white and gray porphyritic amphibole in a fine-grained matrix. Occasional 1/2 cm vn at 60 dtc. Decimeter scale clay alteration at contacts. 25-cm raft of breccia textured volcanic rock hosting 3% f-g py at 517.5 m. Raft contacts at 50 dtc and 35 dtc. Dyke lower contact at 50 dtc.				
												540.25-581.4 m: FLOW. Light gray, f-g to m-g, polycrystalline, equal-granular , often rounded matrix supported fragmental textured flow hosting 5-7% pyrite. Interval becomes increasingly fragmental below 572 m. Lower contact with bedded xltf at undetermined angle. Comment: this interval looks similar to the sub-interval described as per 498-502.7 m.				
48774	540.25	542.00	1.75	FLOW								Strongly fragmental to 542.9 m.				
48775	542.00	544.00	2.00		5.0		6	30								
48776	544.00	546.00	2.00		5.0											
48777	546.00	548.00	2.00													
48778	548.00	550.00	2.00		5.0		1	30								
48779	550.00	552.00	2.00		7.0							Pyrobitumen on fracture surface.				
48780	552.00	554.00	2.00		7.0							Locally str clay altn, 1/2 cm breccia at 25 dtc at 553.95 m.				
48781	554.00	556.00	2.00		6.0											
48782	556.00	558.00	2.00		8.0		1	25								
48783	558.00	560.00	2.00		8.0											
48784	560.00	562.00	2.00		8.0		3	55								
48785	562.00	564.00	2.00		8.0		15	4	25	561.9		Vn/HTBX breccia a 45 dtc at 561.9 m.				
48786	564.00	566.00	2.00		7.0							Str clay altn.				
48787	566.00	568.00	2.00		5.0		5	30		175		Breccia texture with clay matrix at 30 dtc.				
48788	568.00	570.00	2.00		9.0		4	1	0			Massive sooty py vn, trace cpy.				
48789	570.00	572.00	2.00		8.0		3					Mineralised Fe-carb altered clast with sph>py>asp>cpy.				
48790	572.00	574.00	2.00		8.0							20-cm HTBX at 50 dtc. Increasingly fragmental below this point.				
48791	574.00	576.00	2.00		8.0							Clay altd, blocky				
48792	576.00	578.00	2.00		6.0							Clay altd, blocky				
48793	578.00	580.00	2.00		6.0		4	1	25	578.7		Sooty py vnlts.				

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Frag >1 cm %	Max vein size (mm)	Vns/Vnltls/2-m	Vn Angle°	Vein depth (m)	Broken core length (CM)	Comments:	*= All Az. corrected for declination			
48794	580.00	582.00	2.00	XLTF	5.0							581.4-609 m: XLTF; similar to that described as per 286-487.5 m. Lc in broken core				
48795	582.00	583.30	1.30		5.0			1	30			583.3-585.2 m: DYKE; dark gray, 10% 0.8 cm porphyritic amphibole in an aphanitic matrix. Occasional calcite vnlt. Contacts strongly altered on a decimeter scale. Interval includes a 50-cm raft of volcanic rock , cts at 20 dtc. Dyke lower contact at 30 dtc.				
	583.30	585.20		DYKE							50	585.2-609 m: XLTF, black mud chip bearing. Light gray, heterolithic granular to 1.5 cm rounded clasts crowded in a crystalline matrix. Occasional fissile black mud chip, occasional bedding. Comment: continuation of interval described as per 581.4 meters. Lc at EOH.				
48796	585.20	587.00	1.80	XLTF	4.0							Trace cpy.				
48797	587.00	589.00	2.00		4.0							Bedding at 25 dtc.				
48798	589.00	591.00	2.00		4.0							Bedding at 30 dtc. Trace cpy.				
48799	591.00	593.00	2.00		5.0							Bedding at 30 dtc. Trace cpy.				
48800	593.00	595.00	2.00		5.0							Trace cpy.				
2198450	595.00	597.00	2.00		4.0							Trace cpy. 1-m clay and broken core. 1/2 cm msv py vn.				
2198451	597.00	599.00	2.00		4.0							2-mm silica vnlt with py>cpy.				
2198452	599.00	601.00	2.00		4.0							trace cpy, includes tan mud chips.				
2198453	601.00	603.00	2.00		5.0							EOH at 609 meters.				

## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

HOLE NUMBER: FEN14-04			UTM Coordinates			E	N	ZONE 9		Down Hole Survey:		DEPTH (m)	AZ. °	DIP°	Mag Field	DEPTH (m)	AZ. °	DIP°	Mag Field	
Logged by: Peter Daubeny			Azimuth:		Dip:	Length:	CONTRACTOR: HI-TEC Drilling													
Date Collared:				Date Completed:																
SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Broken core length (CM)	Comments	*= All Az. corrected for declination, 18° 42.6' East												
	0	16.80	16.80	OB			25-cm heterolithic cobbles & pebbles from glacial till.													
230451	16.80	21.00	4.20	VCBX	8.0		16.8-24.0 m. Volcanic Breccia; light gray to greenish gray, f-g variably silica crackle breccia, 7-8% sulphide, dominantly pyrite as f-g sooty blebs replacing hbl and brassy blebs with blk rims that maybe pyrobitumen. Occasional clay altn as centimeter scale band or clay altn angular volcanic fragment. Frags often host more mineralisation than brxx matrix. patchy decimeter scale zones of hairline vnlt and occ/ sulphide band to 1-cm. Base metal mineralisation is sph dominated. Oxidised fractures to 22.5 m. Lower ct at 24 m in broken core. COMMENT: soft, not particularly siliceous.													
230452	21.00	24.00	3.00			200	18-21 m. Interval 18 to 21 m has 2.1-m recovery. At 19.6 m 1-cm semi-msv to massive py-sooty py vn at 80 degrees													
230453	24.00	27.00	3.00	DYKE	3.0		24.0-85.9 m. Syn-mineral dykes. 24.0-67.75 m. Syn-mineral Fsp Porphyry DYKE. Light gray 25-30% up to 6 mm variably clay altd and sericite altd fsp in a soft clay altd matrix, occ/ cm scale rounded and occasionally amphibole shaped fragments with reaction rims. Lithic frags can be strongly clay altd and to 5+ cm. 1% diss sph, up to 3% silvery disseminated py clots. Vnlets mostly py, occ/ w/ siliceous envelopes, occ/ py-sph and hairline to 1/2 mm and mostly at shallow angles (15-30 degrees) to core axis. 1-2 vnlt/ meter. Lower ct at 60													
230454	27.00	30.00	3.00				22.7 m. 2-mm silica blk sulphide vnlt at 30 degrees. 23.8 m, 4 1/2 mm py, sooty py vnlt at 45-60 degrees.; 28.4 m, 5-cm shear zone rounded frags, sooty py mx, at 70 degrees.													
230455	30.00	33.00	3.00				33.55 m, hairline sph vnlt at 30 degrees.													
230456	33.00	36.00	3.00																	
230457	36.00	39.00	3.00				38 m, low angle sooty fracture													
230458	39.00	42.00	3.00																	
230459	42.00	45.00	3.00																	
230460	45.00	48.00	3.00																	
230461	48.00	51.00	3.00																	
230462	51.00	54.00	3.00				51.5 m, up to 3-mm sph vnlt at 0 degrees.													
230463	54.00	57.00	3.00																	
230464	57.00	60.00	3.00				59.3 m, hairline sph vnlt at 15 & 60 dtc.													
230465	60.00	63.00	3.00																	
230466	63.00	65.40	2.40																	
230467	65.40	67.75	2.35				68.5-70.5 m, clay altd fractures at 45 to 60 dtc.													

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HOLE NUMBER: FEN14-05			UTM Coordinates			E	N	ZONE 9		Down Hole Survey:		DEPTH (m)	AZ. °	DIP°	Mag Field	DEPTH (m)	AZ. °	DIP°	Mag Field
Logged by: Peter Daubeny			Azimuth:		Dip:	Length:	CONTRACTOR: HI-TEC Drilling												
Date Collared:		Date Completed:																	
SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Broken core length (CM)	Comments	*= All Az. corrected for declination, 18° 42.6' East											
	0.00	5.50	5.50				No recovery												
	5.50	13.60	8.10	OB			Till, including mafic volcanic rock, dyke like porphyry, & three boulders of volcanic breccia., the tow larges hosting well developed silica stwk & a py, aspy vnlt. One bedded & minzd XLTF clast to 10-cm.												
230094	13.60	16.70	3.10	VCBX			13.6-21.65 m. Volcanic Breccia Oxide zone with weathered fractures.												
230095	16.70	19.80	3.10				Oxide, 2.5 cm diameter flow banded clast at 19.65 m												
230096	19.80	22.90	3.10	VCBX			21.65-125.25 m. Volcanic Breccia. Str silcia altn in matrix to heterolithic, mostly sub-rounded breccia clasts. 5-7% sulphide, 1-2% sph-asp as clots or as occ/ to rare vnlt or vns. Sulphide felty textured, vfg forming clots with basemetal occ/ included. Lc sharp at 35 degrees.												
230097	22.90	26.00	3.10																
230098	26.00	29.10	3.10				26.05 m, 3-mm fe-carb, sph, cpy, aspy vnlt at 45 degrees.												
230099	29.10	32.20	3.10				29.8 m, 5-mm fe-carb, sph, py-aspv vn at 80 degrees.												
230100	32.20	35.25	3.05				32.9 m, 4-mm Fe-carb sph, py vn at 35 degrees. 33.6 m, 2-3 cm Fe-carb, py, aspy vn at 5 degrees												
230101	35.25	38.25	3.00																
230102	38.25	41.25	3.00				Frequent pyrobitumen stain at this point.												
230103	41.25	44.25	3.00																
230104	44.25	47.25	3.00																
230105	47.25	50.25	3.00																
230106	50.25	53.25	3.00																
230107	53.25	56.25	3.00																
230108	56.25	59.25	3.00																
230109	59.25	62.25	3.00				59.75 m, 4-mm fe-carb, sph vn at 55 degrees. 60.4 m, 3-mm fe-carb, sph vn at 50 degrees.												
230110	62.25	65.25	3.00																
230111	65.25	68.25	3.00																
230112	68.25	71.25	3.00				First appearance of fg disseminated cpy												
230113	71.25	74.25	3.00																
230114	74.25	77.25	3.00				77 m, flow banded ing at 25 degrees.												
230115	77.25	80.25	3.00																
230116	80.25	83.25	3.00				78.4 m, tr cpy. 81 m, blk matrix HTBx, cm scale at a low angle to core axis.												
230117	83.25	86.25	3.00																

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SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Broken core length (CM)	Comments:	*= All Az. corrected for declination, 18° 42.6' East																
	156.65	171.15	14.50																					
230139	171.15	174.00	2.85																					
	174.00	177.25	3.25																					
230140	177.25	180.60	3.35	VCBX																				
	180.60	181.40	0.80	DYKE																				
230141	181.40	184.40	3.00	VCBX																				
230142	184.40	187.40	3.00																					
230143	187.40	190.50	3.10																					
230144	190.50	193.50	3.00																					
230145	193.50	196.50	3.00																					
230146	196.50	199.50	3.00																					
230147	199.50	202.50	3.00																					
230148	202.50	205.50	3.00																					
230149	205.50	208.50	3.00																					
230150	208.50	211.50	3.00																					
230151	211.50	214.50	3.00			60																		
230152	214.50	217.50	3.00																					
230153	217.50	220.50	3.00																					
230154	220.50	223.50	3.00																					
230155	223.50	226.50	3.00																					
230156	226.50	229.50	3.00																					
230157	229.50	232.50	3.00																					
230158	232.50	235.50	3.00																					
230159	235.50	238.50	3.00																					
230160	238.50	241.50	3.00																					

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## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

HOLE NUMBER: FEN14-06			UTM Coordinates			E	N	ZONE 9		Down Hole Survey:		DEPTH (m)	AZ. °	DIP°	Mag Field	DEPTH (m)	AZ. °	DIP°	Mag Field	
Logged by: Peter Daubeny			Azimuth:		Dip:	Length:	CONTRACTOR: HI-TEC Drilling													
Date Collared:				Date Completed:																
SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Broken core length (CM)		*= All Az. corrected for declination, 18° 42.6' East												
	0.00	4.55	4.55	OB				6-m of casing. From 0-4.55 m 10-cm of heterolithic pebbles recovered.												
230214	4.55	7.55	3.00	VCBX				4.55-12.55 m. Volcanic Breccia, light gray, orange oxide on fracture surfaces. Heterolithic lithic clasts to 5-cm. Str silica altn as matrix to clasts and crystals. 5% sulphide, sph is dominant base metal. Rare hairline sulphide vnl. Lc in broken core at 45 degrees(?) at the base of a 1.5 meter bedded XLTB interval that likely represents a unit boundary.												
230215	7.55	10.55	3.00					11.7 m. bdg at 35 degrees.												
230216	10.55	12.55	2.00					12.55-194.75 m. Volcanic Breccia, light gray, mostly sub-angular to subrounded clasts/fragments, 5-7% f-g brn "felty textured" sulphide, v str silica altn & micro-breccia as matrix to clasts. Lc sharp at 25 degrees. Comment: possible 10's of meters internal stratigraphy in this unit defined by clast size.												
230217	12.55	15.00	2.45																	
230218	15.00	18.00	3.00																	
230219	18.00	21.00	3.00																	
230220	21.00	24.00	3.00																	
230221	24.00	27.00	3.00																	
230222	27.00	30.00	3.00																	
230223	30.00	33.00	3.00					Very well developed silica brxx below 22.3 m.												
230224	33.00	36.00	3.00																	
230225	36.00	39.00	3.00																	
230226	39.00	42.00	3.00																	
230227	42.00	45.00	3.00																	
230228	45.00	48.00	3.00																	
230229	48.00	51.00	3.00					48.2 m. 3-cm clay fracture at 30 degrees.												
230230	51.00	54.00	3.00					51.75 m. 1-cm aspy-py, trace cpy massive sulphide vnl at 20 degrees. 52.8 m. 1/2 cm py>asp, massive sulphide vn at 20 degrees.												
230231	54.00	57.00	3.00					55.8 m. Total 1-2 cm felty py>asp minor clay vns at 20 and 40 degrees. Flow banded textures in fragments common.												
230232	57.00	60.00	3.00					1.6 m of HTBX, cts at moderate angles.												
230233	60.00	63.00	3.00					58.2-59.8 m. HTBX, overall at moderate angles. 62.1-62.8 m, HTBX as per 62.1 m, moderate ct angles. 60.6 m, 3-mm to 1-cm aspy - py vn w/ clay at 25 degrees.												
230234	63.00	66.00	3.00					64.5-64.9 m, str clay altn/gouge at 45 degrees.												
230235	66.00	69.00	3.00					Flow banded textures, 68.1 m, total 5-cm massive sph>>asp at 54 degrees. 68.85 m, 1/2 to 1-cm py>asp, tr cpy(?) vn at 30 degrees.												

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## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

HOLE NUMBER: FEN14-07			UTM Coordinates			E	N	ZONE 9		Down Hole Survey:		DEPTH (m)	AZ. °	DIP°	Mag Field	DEPTH (m)	AZ. °	DIP°	Mag Field	
Logged by: Peter Daubeny			Azimuth:		Dip:	Length:	CONTRACTOR: HI-TEC Drilling													
Date Collared:				Date Completed:																
SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Broken core length (CM)	Comments	*= All Az. corrected for declination, 18° 42.6' East												
	0.00	5.10	5.10	NR			No recovery													
230285	5.10	7.65	2.55	XLTf			5.1-7.65 m. XLTf, light gray, heterolithic sub angular clasts to 5+ cm. Clast aphanitic to medium grained equal-granular to m-g porphyry textured. 5-7% sulphide including aspy>sph>cpy. Moderate silica altn as flooding of matrix to clasts and crystals. Lower ct with strongly silica flooded and sulphide vn bearing volcanic breccia sharp at 60 degrees. Orange oxide on some fracture surfaces. Comment: no black mud chips which are other wise diagnostic of the XLTf unit & this unit maybe volcanic breccia.													
230286	7.65	9.10	1.45	VCBX			7.65-9.1 m. Volcanic breccia, sub-rounded to sub-angular clasts in a v str sil altd matrix. Interval host three msv sph, distinctively needle like aspy vns 2-5 cm in width. Vns host siliceous guange +/- msv qtz at 35, 45, and 45 degrees. Occ/ 1-2 mm qtz +/-sulphide vn throughout. Overall 10% sulphide. occasional oxide on fracture surfaces. Comment: Hard siliceous core, str sil altn as envelopes to these vns.													
230287	9.10	12.00	2.90	XLTf			9.1-29.3 m. XLTf, blk mud chip bearing lappilli tuff. Light gray, heterolithic clasts, includes occasional <1-mm rounded, hard, blk mud fragments. 7% sulphide, aspy dominant bae metal. Str silica altn, minor fracture controlled clay altn. Oxide on fracts to 11-m. Lower ct marked by gradational increasee in silcαι altn but is otherwise sharp at about 5 degrees with volcanic breccia.													
230288	12.00	15.00	3.00																	
230289	15.00	18.00	3.00																	
230290	18.00	21.00	3.00																	
230291	21.00	24.00	3.00				General increase in silica altn below this point.													
230292	24.00	27.00	3.00				26.2 m, sub-angular blk mud chip													
230293	27.00	30.00	3.00				29.3-44.65 m. Volcanci Breccia. Lt gray, sub-angular to sub-rounded heterolithic clasts, strong silica altn preferential to matrix to clasts, 5% sulphide,. Aspy dominant basse-metal. Occasional cm wide strongly clay altd band/fracture/fault breccia (e.g. 28 m). Lc sharp at dyke at 30 degrees.													
230294	30.00	33.00	3.00				28.75 m, 5-cm dk gray clay altd matrix breccia at 55 degrees. 28 m, irregular clay +/- sulphide filled fractures at 15 degrees. 30 m. Tr pyrobitumern.													
230295	33.00	36.00	3.00				34 m, 2-cm massive sph-clay vn at 70 degrees. 35.8 m, 1.5 cm massive felty py vn at 20 degrees.													
230296	36.00	39.00	3.00				36.5-42 m, broken core at moderate to low angles, poor RQD. Frequent sulphide vnlts and clay lined fractures. Frequent pyrobitumen. Fault breccia (?) at 30 degrees.													
230297	39.00	42.00	3.00		90		41-41.9 m. broken core at 30 degrees.													
230298	42.00	44.65	2.65																	

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## Copper Mountain Mining Corp. FENTON PROJECT DIAMOND DRILL LOG

HOLE NUMBER: FEN14-08			UTM Coordinates			E	N	ZONE 9		Down Hole Survey:		DEPTH (m)	AZ. °	DIP°	Mag Field	DEPTH (m)	AZ. °	DIP°	Mag Field
Logged by: Peter Daubeny			Azimuth:		Dip:	Length:	CONTRACTOR: HI-TEC Drilling												
Date Collared:				Date Completed:															
SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Broken core length (CM)	Comments	*= All Az. corrected for declination, 18° 42.6' East											
	0.00	3.80	3.80	OB			5-cm of mafic volcanic cobbles recovered.												
230405	3.80	6.70	2.90	VCBX			3.8-57.7 m> Volcanic breccia; light gray silica altn mottled with tan fe-carb altn. Heterolithic sub-rounded to sub-angular volcanic clasts to 5+ cm, 2-3 cm sized being common. Clasts appear preferentially fe-carb altd and form 15-25% of the rock. Silica altn as a micro breccia preferential to crystal and crystal fragment bearing matrix to volcanic clasts. occ/ clay altd fracture. 8-10% sulphide, basemetl component dominated by sph. Occasional flow banding. Lc at 35 degrees.												
230406	6.70	9.70	3.00																
230407	9.70	12.70	3.00																
230408	12.70	15.70	3.00																
230409	15.70	18.70	3.00																
230410	18.70	21.70	3.00				18.8 m, 20-cm HTBX at 70 degrees.												
230411	21.70	24.70	3.00				21.7 m. 1.5-cm gray silica vn at 40 degrees. Hosts pyrobitumen blebs and open space with qtz crystals.												
230412	24.70	27.70	3.00																
230413	27.70	30.70	3.00																
230414	30.70	33.70	3.00																
230415	33.70	36.70	3.00				33.8 m, 15-cm HTBX at 50 degrees.												
230416	36.70	39.70	3.00				38.65 m, 2-3 cm aspy>>cpy vn at 55 degrees.												
230417	39.70	42.70	3.00																
230418	42.70	45.70	3.00																
230419	45.70	48.70	3.00																
230420	48.70	51.70	3.00																
230421	51.70	54.70	3.00																
230422	54.70	57.70	3.00																
230423	57.70	59.20	1.50	DYKE			57.7-59.2 m. DYKE; gray, aphanitic to 25% 1-mm fsp porphyry, strongly fe-carb altd. Flow banded at 30 degrees. Fsp strongly green sericite altd. Locally pyrobitumen bearing, 1/2 to 1% vfg disseminated pyrite. Upper ct clay altd at 35 degrees, Lc in clay altn and broken core at 30-40 degrees.												
230424	59.20	62.10	2.90	VCBX			59.2-99.3 m. Volcanic Breccia same as 3.8-57.7 meters. Lc at 30 degrees.												
230425	62.10	65.10	3.00																
230426	65.10	65.60	0.50				Msv sph-aspv vn at 20-30 degrees.												
230427	65.60	68.60	3.00																

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HOLE NUMBER: FEN14-09		UTM Coordinates		E	N	ZONE 9		Down Hole Survey:		DEPTH (m)	AZ. °	DIP°	Mag Field	DEPTH (m)	AZ. °	DIP°	Mag Field	
Logged by: Peter Daubeny		Azimuth:		Dip:	Length:	CONTRACTOR: HI-TEC Drilling												
Date Collared:				Date Completed:														
SAMPLE #	FROM (m)	TO (m)	Length (m)	Lithology	Total sulphide(%)	Broken core length (CM)	Comments	*= All Az. corrected for declination, 18° 42.6' East										
	0.00	7.60	7.60	NR														
230344	7.60	10.60	3.00	XLTf				7.6-23.9 m. Crystal lithic Tuff. Light gray, subtle mottled, hosting intense silica stwk. Protolith 40% <1-mm fsp crystals and crystal fragments with occ/ 1-cm scale rounded lithic fragmetn. Occasional clay altd fracture or <10-cm zone. Stwk consists of silcia crackle breccia and silica vns & vnls. Sil stwk cecreases in intensity down interval and most intense is out by 23.9 m. 5-7% sulphide, base-metal poor, though qtz vnls are sph bearing and have a dk matrix that maybe fg sulphide. Lc marked by decrease in sil altn.										
230345	10.60	13.60	3.00					Intense breccia with siliceous matrix, rounded lithic clasts. 7.6 m, 40-cm of clay altd fractures at top of hole.										
230346	13.60	16.60	3.00					Silica vnls in stwk at 30 and 60 dtc.										
230347	16.60	19.60	3.00					Silica (qtz-vnlt) at 60-70 dtc, good stwk										
230348	19.60	22.60	3.00					Good qtz vnlt development.										
230349	22.60	25.60	3.00	XLTf				23.9-188.5 m. XLTf, protolith same as 7.6-23.9 m but less intense silica altn though locally str strong. Sil altn is pervasive and as matrix to crystal and lappili and often expressed as silcia crackle breccia or micor breccia. Interval becomes mreo lithic bearing down hole. 5-7% sulphide, sph > aspy. Lc at 25 degrees. Comment: no black mud chips.										
230350	25.60	28.60	3.00					24.5-28.5 m, homogeneous crystal tuff. Few if any lithic fragments, bedding/banding at 60 degrees.										
230351	28.60	31.60	3.00					Well developed silica stwk breccia.										
230352	31.60	34.60	3.00					Moderate sil breccia.										
230353	34.60	37.60	3.00					As above, incl. blk silica qtz vnlt, 1/2 cm at 39 m.										
230354	37.60	40.60	3.00					Sil breccia										
230355	40.60	43.60	3.00					Sil breccia										
230356	43.60	46.60	3.00					XLTF, str sil altn, often forming a crackle breccia.										
230357	46.60	49.60	3.00					Str sil, crackle bx.										
230358	49.60	52.60	3.00					as above, but less intense.										
230359	52.60	55.60	3.00					Decimeter scale zones of sil crackle bx, intensity decreasing down interval.										
230360	55.60	58.60	3.00					Sil crackel bx										
230361	58.60	61.60	3.00					As above.										
230362	61.60	64.60	3.00					Str siliceous matrix to crystals.										
230363	64.60	67.60	3.00					Clay fractures.										
230364	67.60	70.60	3.00					Strong silica micro breccia, sil flooding.										
230365	70.60	73.60	3.00															
230366	73.60	76.60	3.00															

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