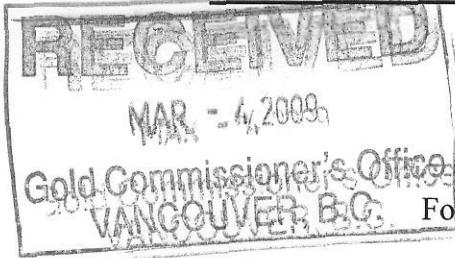


GEOLOGICAL AND DIAMOND DRILLING REPORT



ZEUS PROPERTY

Fort Steele Mining Division

Claim Tenure Numbers 512215, 512221, 512220

Trim Maps 082F050,060 and 082G041,051

UTM Centre 5482500N 575500E

**BC Geological Survey
Assessment Report
30946**

Owner – Ruby Red Resources Inc.
#212, 1000 – 9th. Ave SW
Calgary, Alberta
T2P 2Y6

Operator – As above

Consultants:

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Submitted: February, 2009

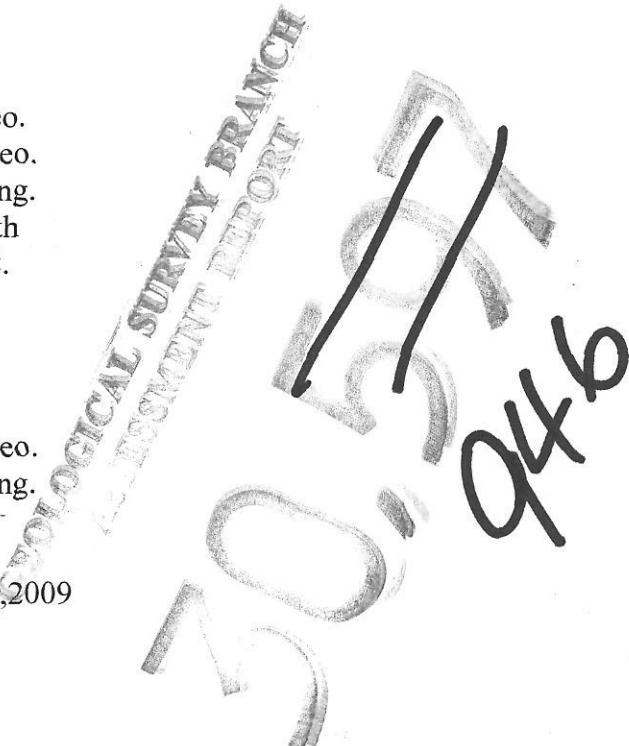


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Drill Hole Logs Z-08-1,2; Z-07-2, Z-07-3,Z-07-4,Z-08-3,Z-08-4,Z-08-5
Analytical Results for Drill Core

GEOLOGICAL AND DIAMOND DRILLING REPORT

ZEUS PROPERTY

1.0 Introduction

The Zeus property is centered on a copper-gold prospect located about 12 air-kilometres west of Cranbrook, B.C. Access is gained by logging roads up the Moyie river then branching onto secondary logging roads up the Palmer Bar drainage. Total driving distance is about 25 kilometres. Access to the western portion of the property is from the logging roads up Perry creek and logging roads up its tributaries of France and London creeks. The area varies from 1200 to 2200 metres elevation ASL. Heavily forested with lodgepole pine, spruce and larch, it has also been extensively logged.

Approximately centered on UTM's 5482500N and 575500E, the property encompasses the following claim tenures: 512215, 512217, 512224, 512225, 512221, 512220, and 512219, 515843, 515844, 515841, 515842.

2.0 Property Definition, History, and Background Information

The Zeus property encompasses about 3000 hectares straddling the topographic divide between the lower Moyie river and Perry Creek drainages. The area has a lengthy and varied exploration history ranging from the late nineteenth century to present day. The early efforts were directed at the placer gold in Perry, Moyie and lower Palmer Bar creeks. Lode gold exploration focused in the early half of the twentieth century on showings discovered by prospecting. Sampling, trenching, and underground development was used to explore the various prospects. This work always seemed to define small, isolated gold occurrences with apparent near surface enrichment in the weathered zones. Such developments as the Running Wolf, Homestake, and Columbia are a few examples from this period. In the 1970's interest resurfaced with higher gold prices and modern exploration techniques were employed. During 1980 to 1987 Gallant Gold completed geological mapping, geophysics, and geochemical work mostly along the west flanks of the Perry Creek drainage west of Zeus. Investigation of old showings and their on trend projections were the focus. In 1987, two targets were drilled at Petra and Quartz creek. (All this work is recorded in eight in the A.R.# 7723 through 15679 range) As Gallant Gold curtailed activities, Chapleau Resources took up the challenge, staking ground along the east flank of Perry creek over into the tributary drainages of the Moyie. During 1986 and 1987 an extensive regional program (Purcell Camp) included prospecting and sampling, stream sampling, geological mapping, trenching and sampling, and localized soil geochem surveys. In 1988, Chapleau focused its efforts on the Barr property in upper Palmer Bar drainage as widespread quartz float with visible gold had been located. The work in that year included trenching, geological mapping, and drilling of 2500 metres in a relatively small area of about 1 square kilometer. This drilling intersected significant copper in a few of the holes and widespread but isolated anomalous gold in a wishbone-shaped zone. This is a large quartz-feldspar alteration zone associated with extensive and

ARIS Map

 ZEUS Location

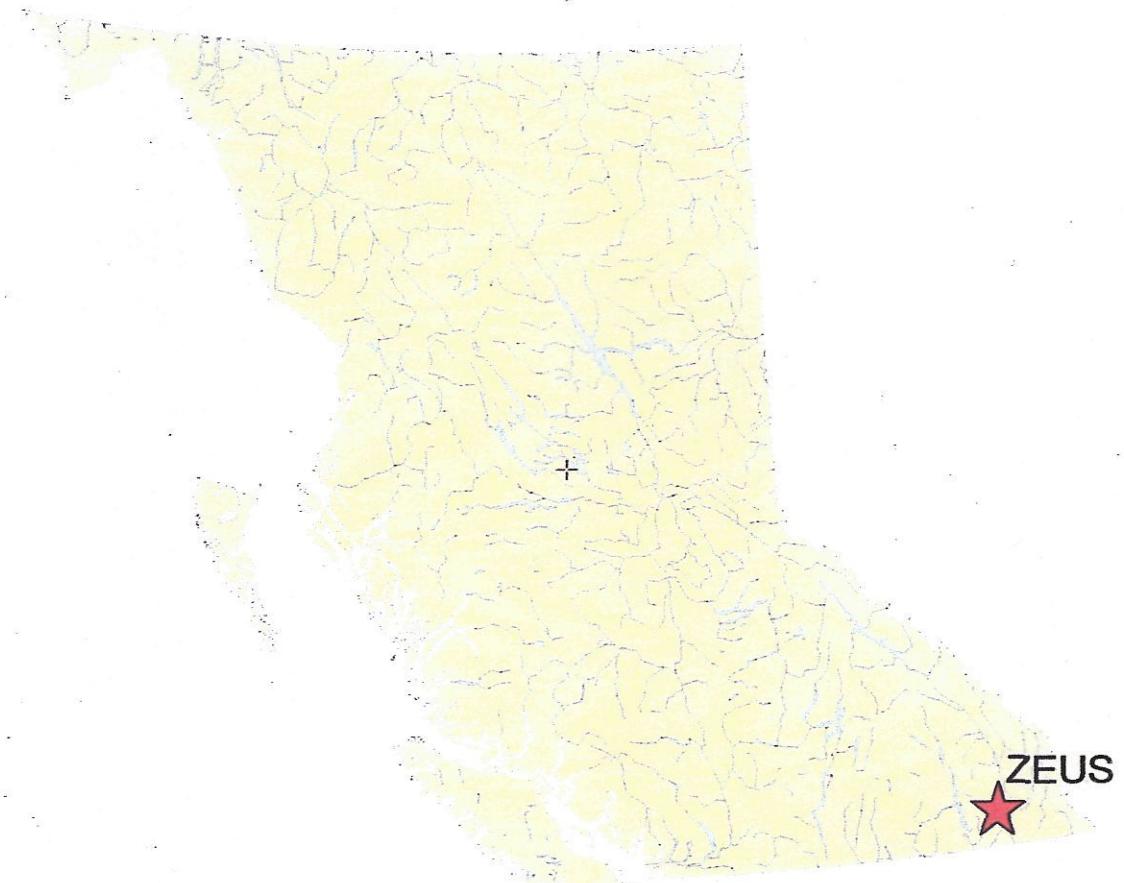
Topographic Layers

 Lakes 1:6M

 Rivers 1:6M

BC Border Layers

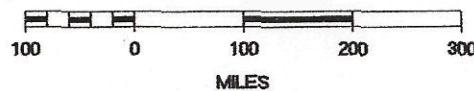
 BC Border 1:6M



Map Center: 54.4781N 124.7082W

N

SCALE 1 : 11,170,257



intense argillic alteration and syenite intrusions, all proximal to the intersection of the Cranbrook and Palmer Bar faults. In 1990, under option Swift Minerals drilled one somewhat deeper hole central to the alteration zone. Also in 1990, Chapleau Resources undertook an airborne geophysics survey which covered a large area west of the Barr(Zeus). In 1996, Abitibi Mining Corp. drilled one hole on the east side of the Barr to test the Cranbrook Fault portion of the Barr mineralization hitting some anomalous gold values. In 2004, Chapleau completed some regional work, covering the Zeus but focused most of their efforts to the east on their Bar option and an area well to the southwest known as the Zinger.

In 2007 Ruby Red Resources did some initial geological and geochemical work on selected areas of the property. It included adding some geological information in widely separated areas to try to project structures of significance. The soil geochem consisted of only four lines on the northeastern edge of the property to start evaluation of an iron oxide zone. One drill hole was completed in the core copper area, intersecting significant mineralization over a large interval – with the best being 57 metres of 0.63%Cu, 3.8g/t silver, and 87 grams/t Bi.

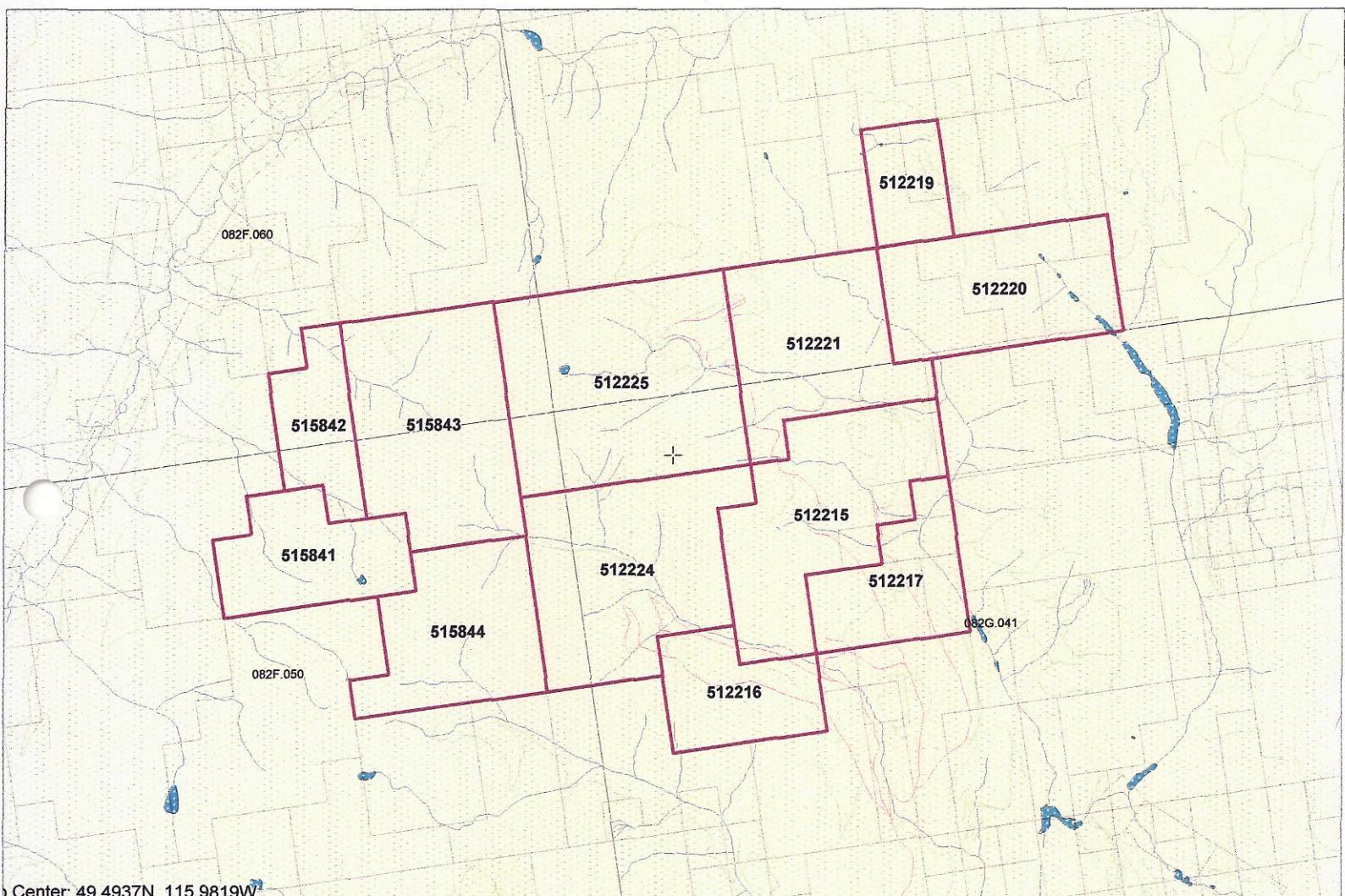
3.0 Regional Geology

The Moyie to Perry creek area is central to the Purcell Anticlinorium, a broad generally north-plunging structure in southeastern B.C. that is cored by Middle Proterozoic Purcell Supergroup rocks and flanked by Late Proterozoic Windermere Group or Paleozoic sedimentary rock.

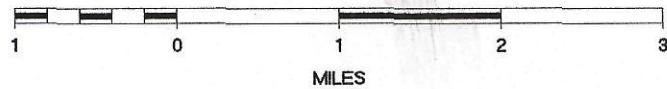
The Purcell Supergroup comprises an early synrift succession, the Aldridge Formation, and an overlying generally shallow water post-rift or rift fill sequence which includes the Creston and Kitchener Formations and younger Purcell rocks.

The Aldridge is the oldest formation of the Proterozoic Belt-Purcell Supergroup. The Supergroup is a thick sequence of terrigenous clastic, carbonate, and minor volcanic rocks of Middle Proterozoic age. The basal Aldridge Formation, as exposed in Canada, is siliciclastic turbidites about 4000 meters thick. It is informally divided into the Lower, Middle, and Upper members. To the north and east in the basin, the Lower Aldridge, the base of which is not exposed, is about 1500 meters of rusty weathering (due to pyrrhotite), thin to medium bedded argillite, wacke and quartzitic wacke generally interpreted as distal turbidites. The Sullivan orebody occurs at the top of this division. To the south and west in the basin in Canada, the upper part of the Lower Aldridge is dominated by grey weathering, medium to thick bedded quartz wackes considered to be proximal turbidites. The Lower Aldridge is commonly host to a proliferation of Moyie intrusions, principally as sills. The Middle Aldridge is about 2500 meters of grey to rusty weathering, dominantly medium bedded quartzitic wacke turbidites with periodic inter-turbidite intervals of thin bedded, rusty weathering argillites some of which form finely laminated marker beds (time stratigraphic units correlated over great distances within the Aldridge/Prichard basin). There are several Moyie intrusions as sills within the Middle Aldridge including two of the most consistent, laterally extensive sills. The Upper

ARIS Map



SCALE 1 : 75,000



Aldridge is about 300 meters of thin bedded to laminated, rusty weathering, dark argillite and grey siltite often in couplet-style beds.

The overlying Creston Formation is divided into three divisions which are part a shallower-water sequence of fine-grained clastic rocks. The Lower Creston is an argillaceous sequence of laminated to thin bedded, grey to greenish argillites with lesser siltstone. The Middle Creston is a grey to greenish weathering sequence dominated by thin to thick bedded, fine-grained quartzitic wackes to quartz wackes. Interbedded argillites are laminated to thin-bedded rocks. Sedimentary features include flame structures, graded bedding, cross-bedding and lenticular bedding. On a fresh surface the quartzites vary from grey to green to mauve colors with shallow water depositional conditions dominant. The overlying Upper Creston is a greenish-grey to green argillite sequence with some intermixed siltstones. Thin and wavy bedded, these rocks form a transition to the rocks above. The Kitchener Formation has basically two divisions. The lower division is not as well exposed but is green weathering argillite and siltstone which are thin bedded. Characteristic of Kitchener is presence of carbonate and this shows as buff weathering interbeds of dolomitic siltstone. The upper portion of the Kitchener is a darker grey to black or buff weathering thin bedded succession of argillite, carbonate, and dolomitic siltstone.

The Zeus property is within a broad area between the Moyie and Perry Creek Faults which is cut by numerous NNE-trending faults sub-paralleling the regional faults. Some zones of isoclinal folding occur along these structures. One of the more significant faults of this NNE type is the Palmer Bar Fault, a west-dipping normal fault with 300 to 400 metres of movement on it. Crossing the Palmer Bar and other faults is the east-west oriented Cranbrook Fault, a north-dipping normal fault juxtaposing Lower Creston rocks against Middle Aldridge. The core of the exploration activity has focused efforts along the Cranbrook Fault on the Bar and Zeus properties. The Zeus mineral potential seems to occur more around the intersection of the Palmer Bar and Cranbrook Faults and to the west into the Perry and Wuho Creek drainages.

4.0 Summary of Work Done

The copper target area drilled in the 1988 to 1996 period (as described above) and tested with one hole in 2007 warranted more drill testing. The mineralization is apparently focussed proximal to the intersection of the Palmer Bar and Cranbrook Faults with the Zeus-07-1 hole further evidence of this relationship with an intersection of 57metres of 0.63%Cu, 3.8g/tAg, and 87g/t Bi. Follow-up to this hole and earlier results involved two holes drilled for a total metrage of 951.54 metres. Zeus 08-1 was collared 200 metres north of Z-07-1 and drilled beneath it attempting to extend the copper zone to depth. The second hole Zeus 08-2 was collared 180 metres east of 08-1 and 250 metres northeast of Z-07-1. All three holes were drilled on a 170° azimuth.

One diamond drill hole (Z-07-2, 160.44m long) was drilled to test an historic copper-in-soil anomaly and five drill holes (Z-07-3,4 and Z-08-3,4,5) totaling 461.57 metres were drilled to test a surface-exposed gold-mineralized quartz vein-bearing shear zone.

There are a variety of features with indications for significant mineral potential on this large property. More geological mapping was undertaken in 2008 but it remains insufficient for interpretation and evaluation purposes.

5.0 Geological and Diamond Drilling Report

5.10 Geological Mapping

The property encompasses about 20 square kilometers of terrain with modest relief. Some detailed had previously been done in the immediate area of the copper zone along the fault intersection but only minimal work had been completed outside of this. The percentage of outcrop is generally low, making extrapolation of geology necessary. Mapping was done on two different parts of the property.

To the east, mapping was done trying to clarify the setting for the copper mineralization away from the fault intersection and to demonstrate the continuity of the iron oxide mineralization. It appears the Creston Formation is intensely folded to the northeast such that the isoclinal folds preserve either Middle Creston (C2 quartzites) or argillaceous sediments of Lower Creston sometimes transitional to the Upper Aldridge. The rocks exposed depend on the plunge of the individual folds and the topography in the area. It is likely this highly folded sequence extends into the zone of copper mineralization. This is footwall to the Palmer Bar Fault whereas the hematite (magnetite) is in the hangingwall. It is continuous over at least two kilometers and better developed in the Middle Creston.

Other mapping completed was in the upper headwaters of Wuho creek where tributaries to the main creek are anomalous in lead, zinc, and silver and in some cases tin or gold (work completed by Chapleau Resources). Also of interest is a concentration of unsourced syenitic intrusive float on a west-facing slope above the drainage. This area is mostly underlain by Lower Creston rocks but to the north in the headwaters of France creek, the few outcrops located appear to be Middle Creston which suggests the Cranbrook Fault may extend through this area.

5.20 Diamond Drilling

5.21 Copper Project

Two holes were completed to expand the testing of the Cu/Ag/Co/Bi zone intersected in previous holes, particularly the Z-07-1 hole of last year which was sampled in two stages – initially in 2007 resulting in a mineralized interval of 57 metres of 0.63%Cu, 3.8g/tAg, and 87g/t Bi.; additional sampling in 2008 resulted in definition of a thicker zone of 0.43%Cu, 2.2g/tAg, and 49g/t Bi (and 106ppm Co) which includes the 2007 sampled interval.

The first hole Z-08-1(601.65m) (UTMs 0575570E; 5482827N) was drilled 200 metres north of Z-07-1 (UTMs 0575625E; 5482616N), at the same azimuth but under the 2007

Elevation 1600m

Sampled Interval

Creston Fm. Sub-divided
A-S; mainly Argillite, Lesser interbedded Siltstone

S-A; mainly Siltstone, Lesser interbedded Argillite

A; Argillite

Q; Quartzite

Q-A; mainly Quartzite minor Argillite

Q-S; mainly Quartzite minor Siltstone

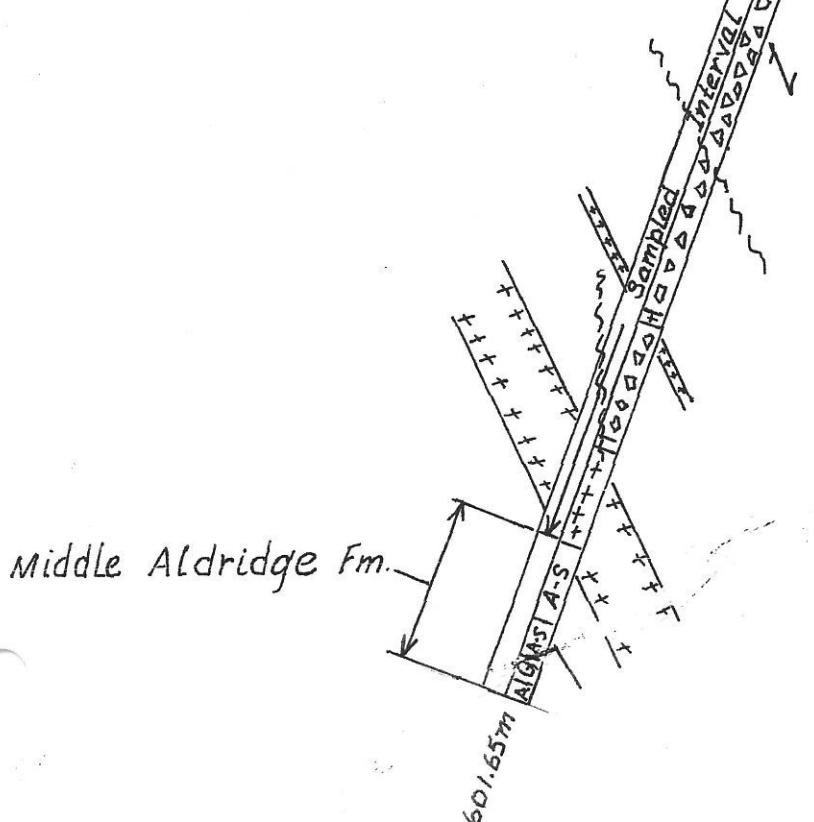
+++ Argillitized, Syenite dykes

BBB Silicified breccia, Sulphide rich
mainly pyrite Lesser chalcopyrite and
arsenopyrite

— Bedding to Core Axis

~~ Fault to Core Axis

✓ Shearing to Core Axis



10 50 150 200m
SCALE
1:2500

ZEUS PROPERTY

GRAPHIC LOG
D.D.H Z08-1

Date Jan. 2009 Scale: 1:2500 Fig. 3

Elevation 1570m

Collar

Creston Fm. Sub-divided

A-S mainly Argillite, Lesser interbedded Siltstone
- A mainly Siltstone interbedded Argillite

A Argillite

Q Quartzite

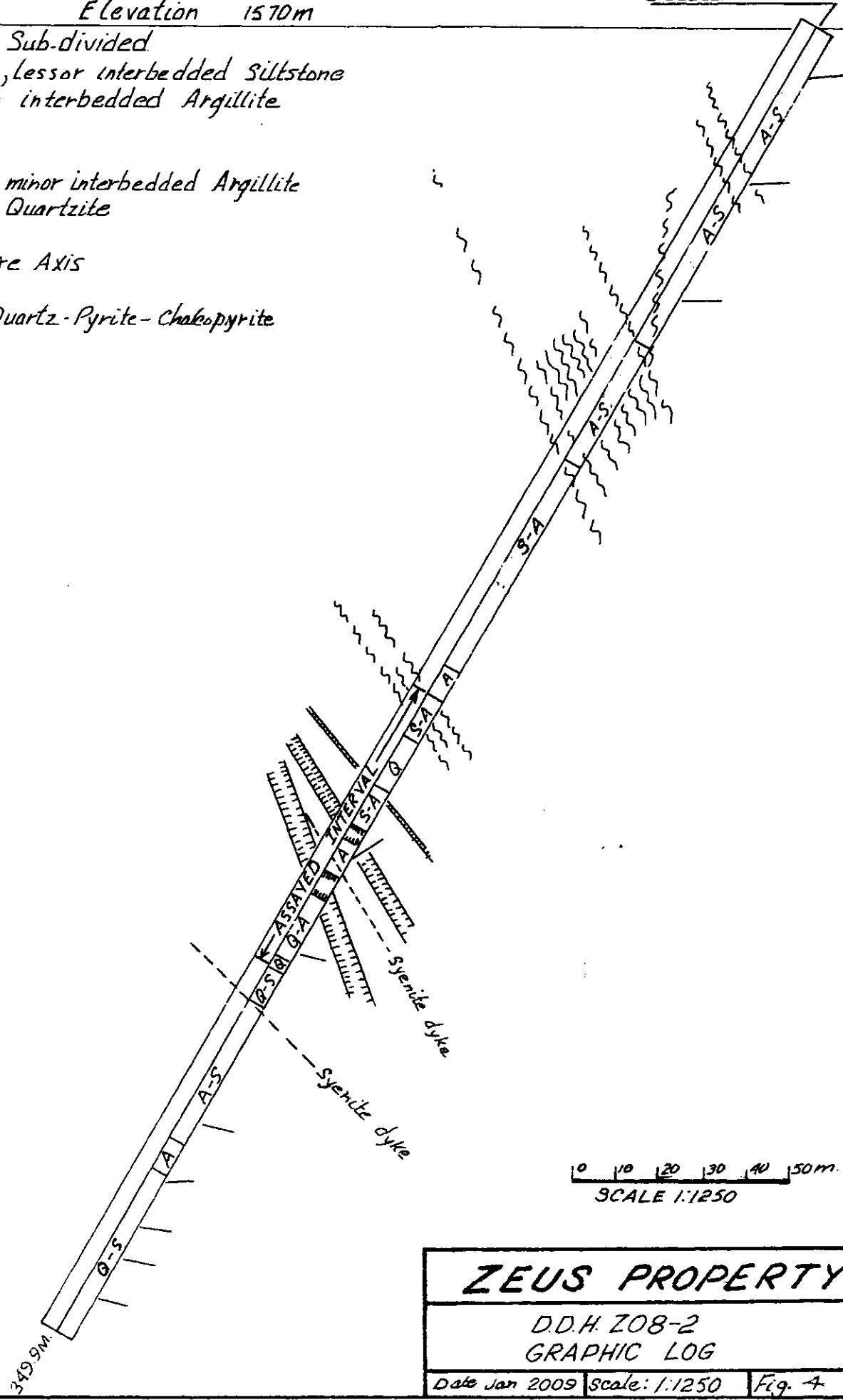
Q-A mainly Quartzite minor interbedded Argillite

S-Q Siltstone minor Quartzite

~~ Fault

— Bedding to Core Axis

~~~~ Veins mainly Quartz-Pyrite-Chalcopyrite



ZEUS PROPERTY

D.D.H. Z08-2  
GRAPHIC LOG

Date Jan 2009 Scale: 1:1250

Fig. 4

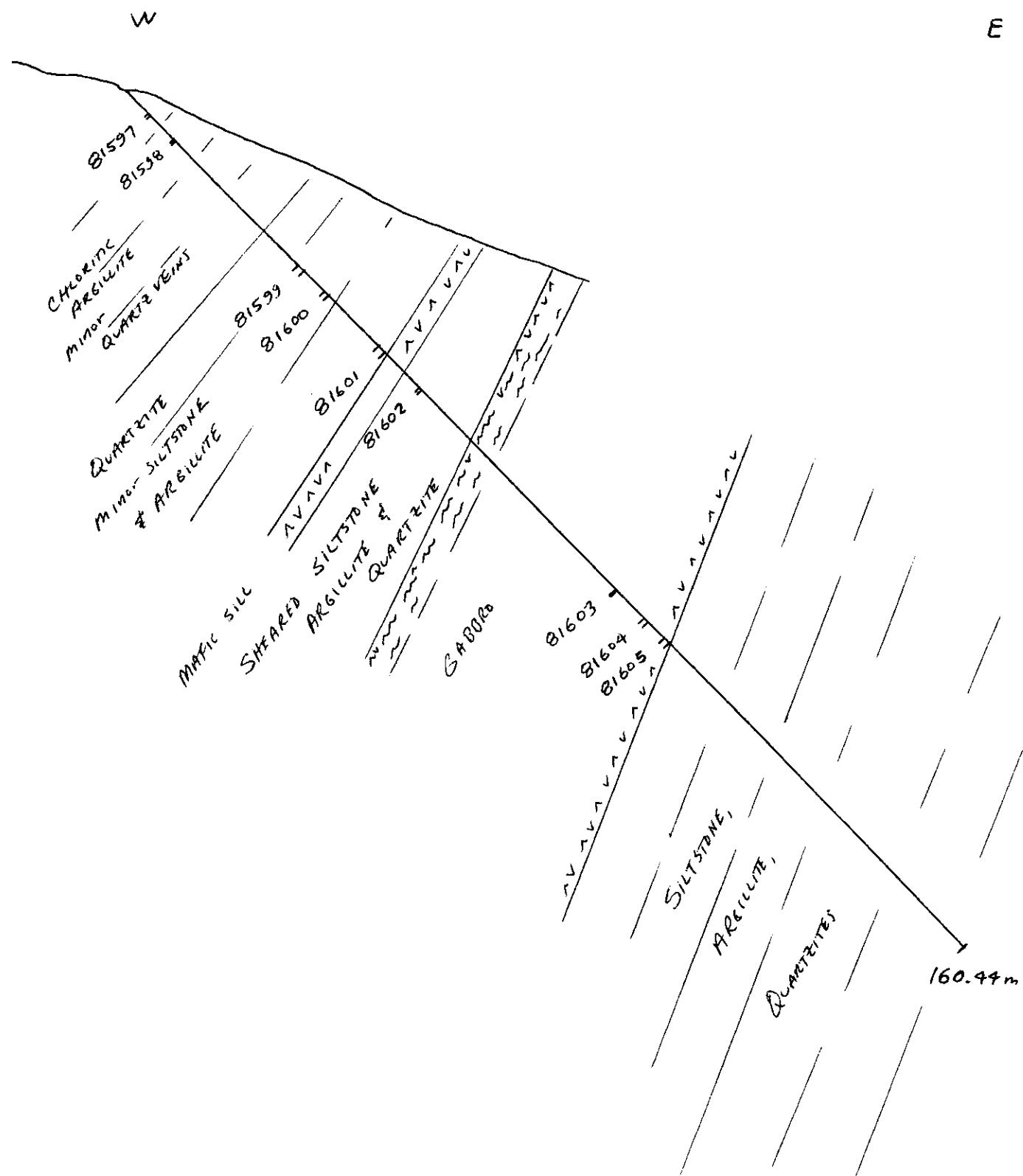
hole to test for down-dip mineralization etc. The hole was collared in the Palmer Bar Fault (only weak gold in analyses) then continued in pale greenish-grey siltstones and argillites with shorter intervals of dark grey, laminated argillite which is all suggestive of a Lower Creston sequence perhaps even transitional to Upper Aldridge. There is pyrite along the lams and as disseminations and patches but to  $\leq 5\%$ . At 277.7m the hole encountered altered intrusion with some sulphide in fractures to 284.78m then a thick section to 464 metres of brecciated and altered sediments with pervasive silicification and ubiquitous pyrite from 5 to 20% variability. There is a mixture of remnant sediment suggestive of quartzitic to darker grey argillites with the degree of brecciation varying significantly within the 270 metre interval. From 464 to 509 metres the hole cored minor intrusive and more breccia in a fault with silica alteration continuing and some pyrite. Syenite intrusion extended from 545.5 to 572m. The hole bottomed in interpreted Aldridge Formation sediments. In contrast to the 2007 hole, this thickened interval of very similar breccia is low in overall content of copper minerals. In fact the best interval was 8 metres of 0.31%Cu. Very anomalous Co extends over 91 metres at 188ppm.

The second drill hole Z-08-2 (349.89m) (UTMs 0575755E; 5482827N) was positioned 180 metres east of Z-08-1 and about 250m northeast of Z-07-1. It was drilled in the same direction as the other two holes thereby testing along the trend of the breccia and mineralized zone as best understood at the time. Collared in Lower Creston rocks the hole cored mostly siltstones and argillites with occasional breaks to the dark argillite. Faulting is in evidence from 82.6 to 115 metres and from 178 to 184 metres. The fault zones carry enhanced amounts of pyrite to 10%. From about 184m down the hole encountered more quartzite within the sequence. From 213 to 237.5m quartz-pyrite veins were frequent. From 237.5 to end of hole at 349.89m the sediments are well bedded and less tectonized than above. Folding of the section is still in evidence. Only two, very narrow syenite intrusion dykes were cored. The best mineralization hit in this hole was 17 metres of 0.17%Cu within the above-mentioned quartz-pyrite stockwork. It has hit one metre of 1.6 grams Au within a single quartz vein.

## **5.22 Copper-in-soil Drilling**

One NQ diamond drill hole, Z-07-2, 160.44 m in length, was drilled to test a copper-in-soil geochemistry anomaly. The upper part of the hole also tested part of the northeast-striking Palmer Bar Fault system. The hole was collared adjacent to the Upper Wuho Forest Service Road at UTM coordinates 575245E 5482285N, at an azimuth of  $118^\circ$  and dip of  $-45^\circ$ .

The entire hole was drilled in fine-grained clastic rocks of the middle Aldridge Formation with associated mafic intrusions. A graphic cross-section of the drill hole is provided as Figure 5. The upper part of the hole encountered sheared chloritic argillite, siltstone and quartzite. Tectonic deformation is due to the presence of the Palmer Bar Fault although a specific ‘fault trace’ could not be defined in drill core. Minor quartz veins are present and some of these are anomalous in gold (eg. Sample 81597 with 388 ppb gold; Appendix A). From 65.7 to 103.6 meters the hole encountered a gabbro which is sheared from the upper contact to a depth of 70 meters and more massive below. The historic surface



**Figure 6**  
**ZEUS PROPERTY**  
**W – E Cross-Section**  
**DDH Z-07-2**  
**Az 118°**  
**Scale 1:750**

copper-in-soil geochemical anomaly is associated with this gabbro. No copper mineralization was noted in the gabbro core but a narrow interval of sheared gabbro and associated narrow quartz veins (sample 81604; Appendix A) ran 376 ppm Cu. The complete drill log along with geochemical analyses of selected core are provided in Appendix A.

### 5.23 Gold Project Drilling

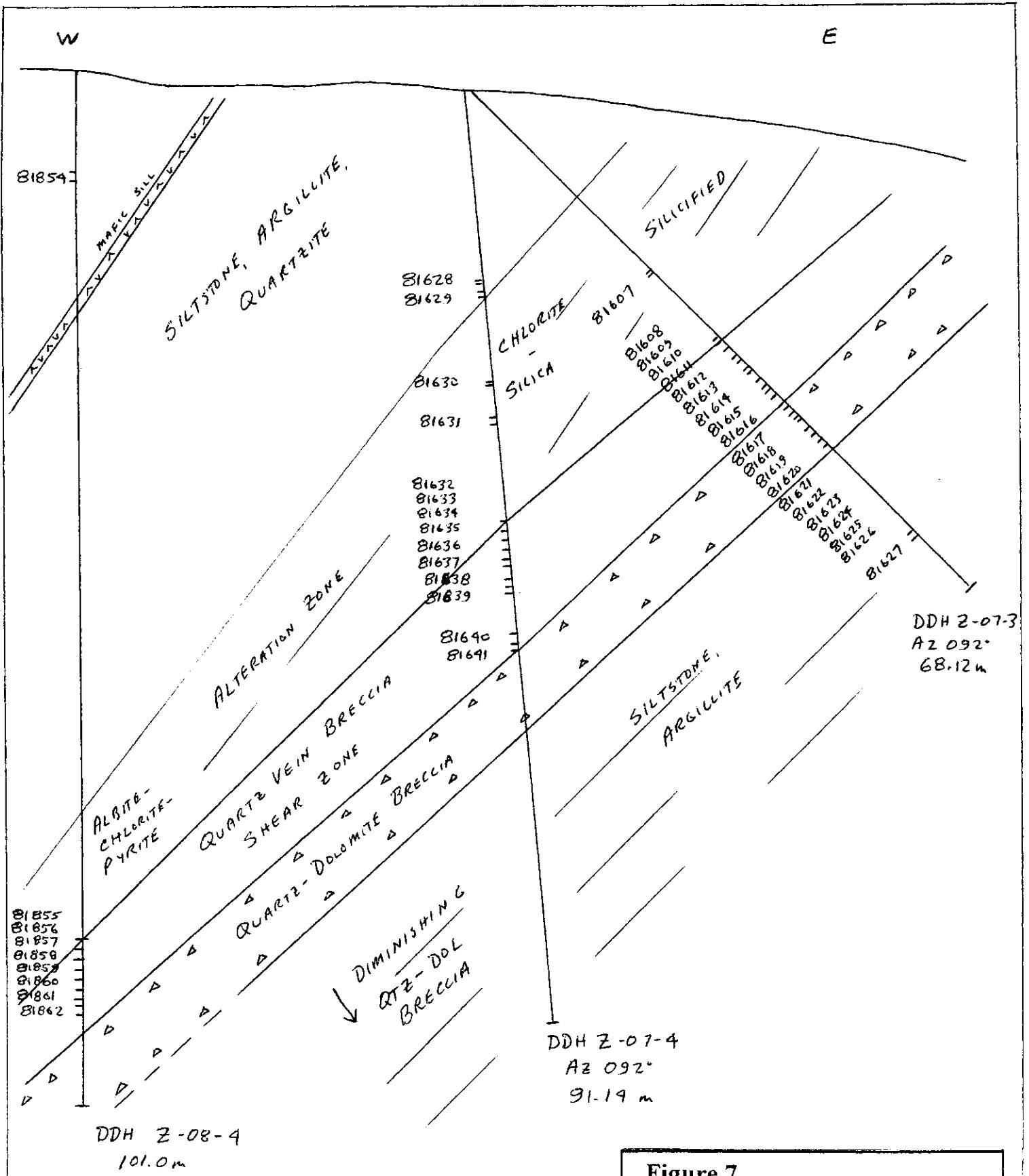
Five NQ drill holes tested a northeast-striking, steeply northwest-dipping gold-bearing quartz vein / shear zone system. Location of the drill holes is shown in Figure 2 and details of the individual holes is provided in Table 1. Graphic cross-sections of the drill holes are provided as Figures 6, 7 & 8; complete drill logs along with geochemical analyses of select portions of drill core are in Appendix A.

**Table 1**  
**Details of Gold Project Drilling**

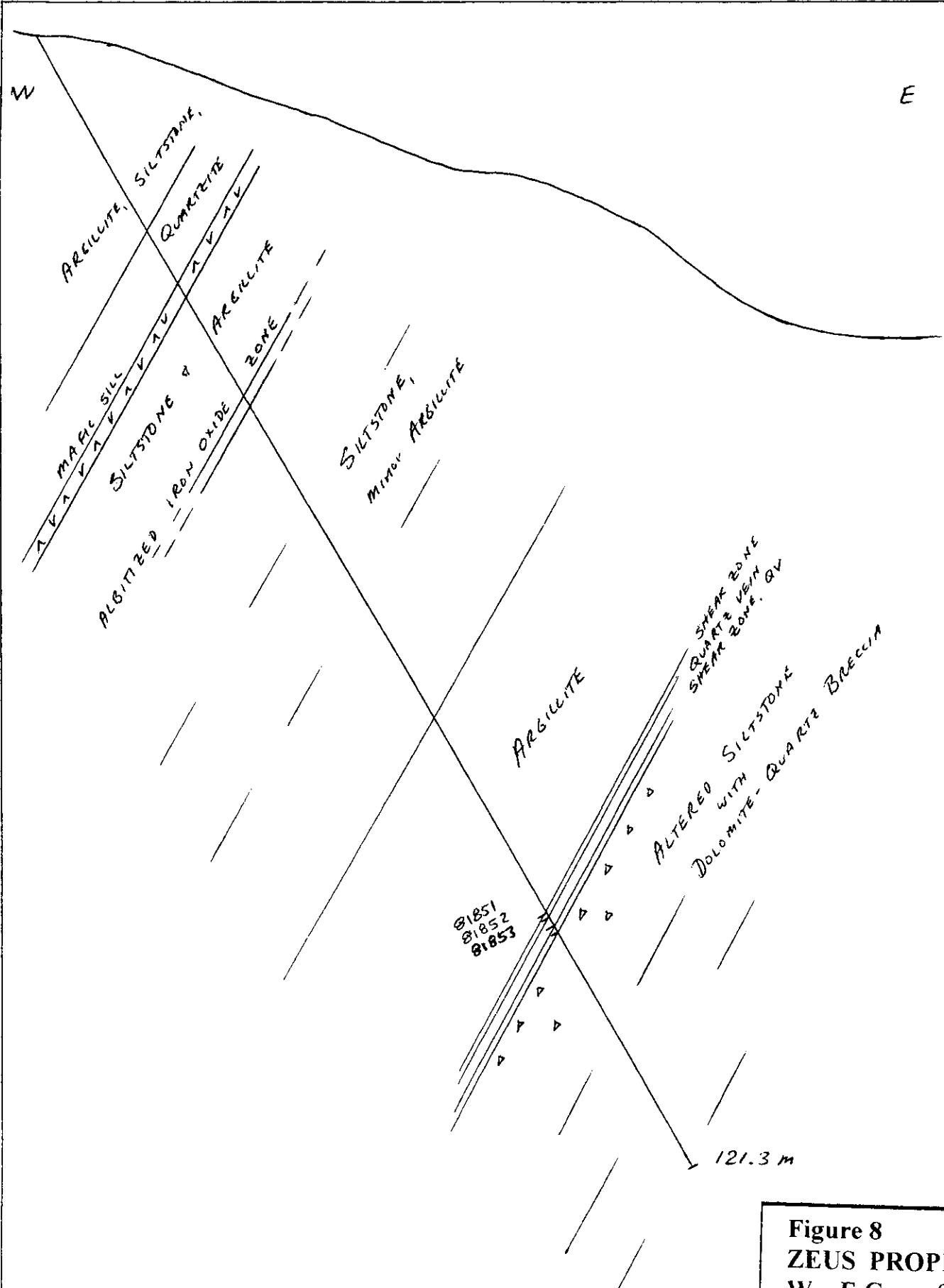
| DDH    | Azimuth | Dip | E      | N       | Elev | Length  |
|--------|---------|-----|--------|---------|------|---------|
| Z-07-3 | 092     | -45 | 574773 | 5481231 | 1653 | 68.12m  |
| Z-07-4 | 092     | -85 | 574773 | 5481231 | 1653 | 91.14m  |
| Z-08-3 | 120     | -60 | 574754 | 5481347 | 1677 | 121.31m |
| Z-08-4 | -       | -90 | 574737 | 5481232 | 1654 | 101.00m |
| Z-08-5 | 117     | -80 | 574753 | 5481197 | 1652 | 80.00m  |

Three holes (Z-08-3 and Z-07-3 & 4) were drilled on the same section at an azimuth of 092° (Figure 6). One hole (Z-08-3) was drilled further north to test the gold-mineralized structure on strike to the north (Figure 7) and one hole (Z-08-5) was drilled on strike to the south (Figure 8). All 5 drill holes encountered the gold-mineralized quartz vein-bearing shear zone along with a footwall breccia system comprised of a network of light gray quartz veins and white dolomite veins. The intensity of this footwall breccia diminishes down dip.

The gold-bearing shear zone cuts across the middle Aldridge Formation stratigraphy at a shallow angle and thus deposition of gold may have been influenced by favourable stratigraphy. The quartz vein-bearing shear zone and the footwall quartz-dolomite breccia are best developed within DDH Z-07-4 where widths of the zones is about 9.5 and 6 meters, respectively. The quartz vein-bearing shear zone carries minor galena and better gold values appear to be associated with the galena. The highest gold value encountered is 3680 ppb over 0.80 m; this interval is directly underlain by 1.20 m of 593 ppb gold for a combined 2.0 m of 1827 ppb (1.827 grams/tonne gold). The footwall quartz-dolomite breccia carries only very minor gold.



**Figure 7**  
**ZEUS PROPERTY**  
**W – E Cross – Section**  
**DDH Z-08-4, Z-07-4 & Z-07-3**  
**Az 092°**  
**Scale 1:500**



**Figure 8**  
**ZEUS PROPERTY**  
**W – E Cross-Section**  
**DDH Z-08-3**  
**Az 120°**  
**Scale 1:500**

W

E

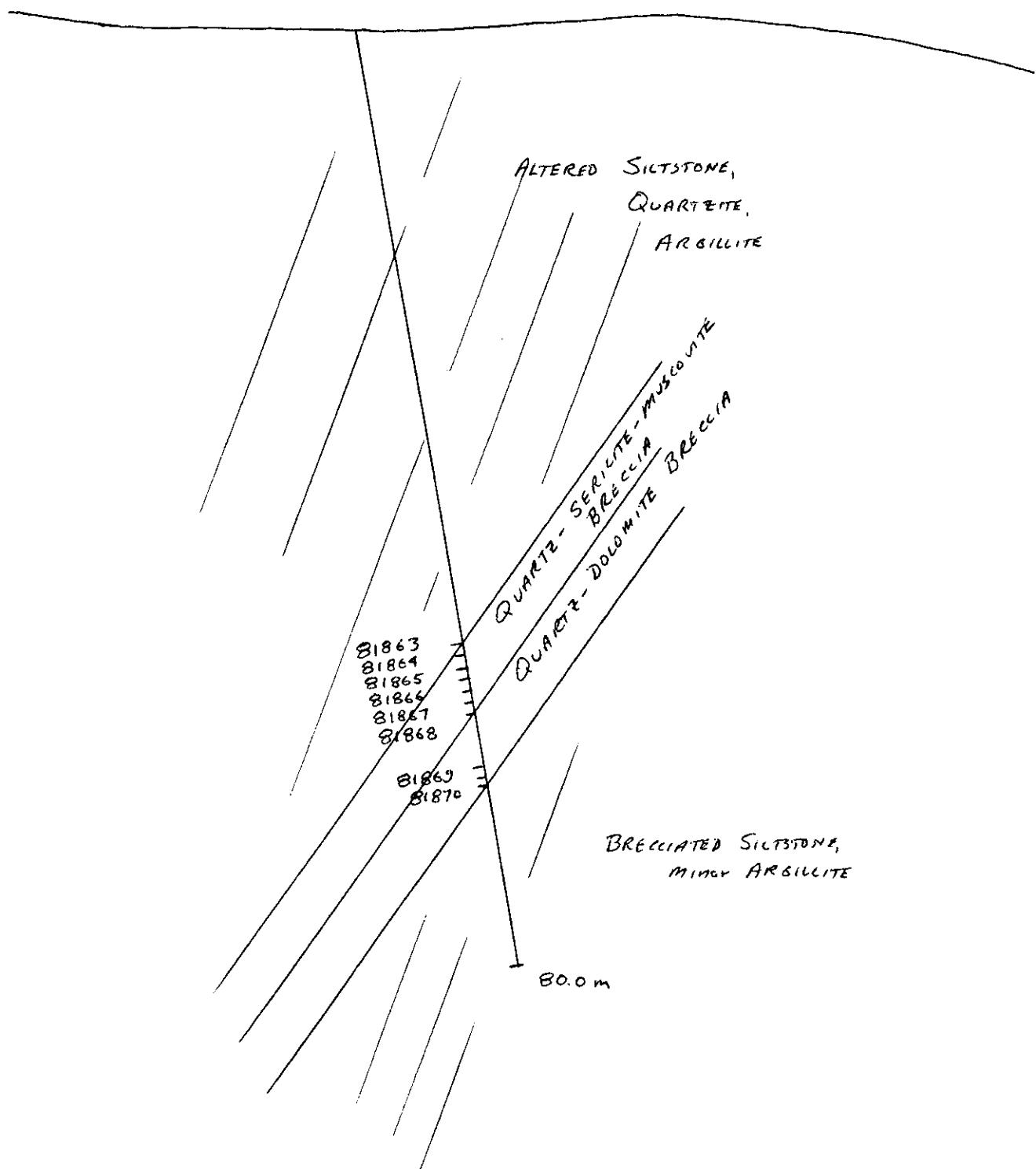


Figure 9  
ZEUS PROPERTY  
W – E Cross – Section  
DDH Z-08-5  
Az 117°  
Scale 1:500

## 6.00 Summary and Conclusions

The two drill holes completed on the central copper zone (Wishbone) were drilled to try to extend the copper/silver/bismuth/cobalt mineralization within quartz flooded breccia stockwork. Hole Z08-1 did intersect a thicker silicified breccia with pyrite but only local chalcopyrite ( 8 metres of 0.307%Cu; 91 metres of 188ppm Co). The hydrothermal system is larger in this hole but the copper sulphides are significantly less abundant. Hole Z-08-2 was less successful achieving only 17 metres of 0.17%Cu in a thinner quartz breccia.

**Conclusion:** Drill hole Z-07-2 tested a portion of the Palmer Bar Fault system and a surface copper-in-soil geochemical anomaly and encountered weak gold mineralization in narrow quartz veins in sheared argillite of the middle Aldridge Formation and weak copper mineralization in sheared gabbro with associated narrow quartz veins.

**Conclusions:** Five NQ diamond drill holes that tested a quartz vein-bearing shear zone and associated footwall quartz-dolomite breccia each encountered the gold-bearing system. The best gold values are in DDH Z-07-4 which also has the thickest development of the shear zone and the underlying quartz-dolomite breccia. Higher gold values are associated with minor galena. The gold-mineralized structure crosses middle Aldridge Formation stratigraphy at a shallow angle and consequently there may be a stratigraphic control to deposition of higher concentrations of gold.

## 7.00 Itemized Cost Statement

|                                                                                                                      |           |
|----------------------------------------------------------------------------------------------------------------------|-----------|
| Anderson Minsearch Consultants – DA at \$400/d and \$75/d and 0.75/km for the 4x4 vehicle – mapping and core logging | 10996.65  |
| Pighin's Welding heavy equipment – D6 cat and hauling for access trails and drill sites                              | 5845.15   |
| Pighin's Welding – hauling of water for some of the holes                                                            | 2354.95   |
| Lone Peak Drilling – 2007 and 2008 holes                                                                             | 30920.18  |
| Acme Labs – analyses of drill core                                                                                   | 9863.23   |
| Acme supplies – saw blades for core cutting                                                                          | 730.00    |
| High Grade Consulting – DLP at \$400/d – truck charges as Above – map compilation and logging of core                | 15054.00  |
| FB Drilling -                                                                                                        | 142830.37 |
| EK Expediting – moving core/sampling/storage                                                                         | 10514.53  |
| Report Writing – 6 days at \$400/d                                                                                   | 2400.00   |

|                                                    |                 |
|----------------------------------------------------|-----------------|
| Sub-total                                          | 231509.06       |
| Ruby Red Resources – administration/overhead (12%) | <u>27781.09</u> |
| Total Cost                                         | \$259290.14     |

## 8.00 AUTHOR'S QUALIFICATIONS

As co-author of this report I, Peter Klewchuk, certify that:

1. I am an independent consulting geologist with offices at 1 – 200 Norton Avenue, Kimberley, B.C.
2. I am a graduate geologist with a B. Sc. degree (1969) from the University of British Columbia and an M. Sc. degree (1972) from the University of Calgary.
3. I am a Fellow of the Geological Association of Canada and a member of the Association of Professional Engineers and Geoscientists of British Columbia.
4. I have been actively involved in mining and exploration geology, primarily in the province of British Columbia, for the past 33 years.
5. I have been employed by major mining companies and provincial government geological departments.

Dated at Kimberley, British Columbia this 12<sup>th</sup> day of February, 2008.

Peter Klewchuk  
Peter Klewchuk, P. Geo.

## 8.00 Author's Qualifications (co-author)

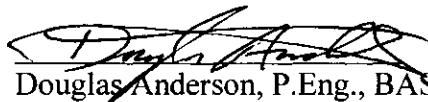
I, Douglas Anderson, Consulting Geological Engineer, have my office at 3205 6<sup>th</sup>. St. South in Cranbrook, B.C., V1C 6K1.

I graduated from the University of British Columbia in 1969 with a Bachelor of Applied Science in Geological Engineering.

I have practiced my profession since 1969, predominantly with one large mining company, in a number of capacities all over Western Canada and currently within southeastern B.C. as a mineral exploration consultant.

I am a Registered Professional Engineer and member of the Association of Professional Engineers and Geoscientists of B.C., and I am authorized to use their seal which has been affixed to this report.

I am also a Fellow of the Geological Association of Canada.



Douglas Anderson, P.Eng., BASc., FGAC

## DRILL LOG RECORD

|                                                                                                                                                                                                                         |                                                                                                      |                                                                                                                                                                                   |                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PROPERTY:</b> Z E U S<br><b>LOCATION:</b> Upper Palmer Bar Creek<br><b>COMMENCED:</b> June 6, 2008<br><b>COORDS:</b> Long.<br><b>COORDS:</b> UTM (E) 0575570<br><b>COORDS:</b> Grid (E)<br><b>ELEVATION:</b> ~1600 m | <b>COMPLETED:</b> June 19, 2008<br>Lat.<br>(N) 5482827N (EL)<br>(N) (EL)<br><b>COLLAR:</b> Dip: Azi: | <b>HORI. COMP:</b><br><b>VERT. COMP:</b><br><b>CORR. DIP:</b><br><b>TRUE BEARING:</b><br><b>% RECOVERY:</b><br><b>LOGGED DATE:</b> June 2008<br><b>LOGGED BY:</b> Anderson/Pighin | <b>HOLE #:</b> Z-08-1<br><b>LENGTH:</b> 601.65 m<br><br><b>DRILL CONTRACTOR:</b> FB Drilling<br><b>CORE SIZE:</b> NQ-BQ<br><b>CASING:</b> 0-3.65 m<br><b>CORE STORAGE:</b> Peavine Creek - Vine |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**OBJECTIVE:** To test down-dip in the mineralization intersection in Z-07-1

| <b>SURVEYS:</b> | <b>Depth:</b> | <b>Dip:</b> | <b>Azi:</b> | <b>Type:</b> | <b>Additional Surveys:</b> | <b>Depth:</b> | <b>Dip:</b> | <b>Azi:</b> |
|-----------------|---------------|-------------|-------------|--------------|----------------------------|---------------|-------------|-------------|
|                 |               |             |             |              |                            | 523.8 m       | -57.0       | 151°.       |
|                 |               |             |             |              |                            | 310.36        | -65.2       | 165         |

| <b>From Meters</b><br>3.65 ~17.0 | <b>LITHOLOGY:</b> Dominated by light coloured, altered limonitic brecciated sediments – remnants are thin-bedded pale green argillites/siltstones. Sharp change at 17.0 m to a darker grey and greenish sequence. This type of sediments may reflect basal Creston into Aldridge. This is probably part of the Palmer Bar Fault.<br><br><b>COLOUR:</b> Pale with limonite.<br><br><b>PRIMARY STRUCTURE:</b> Bedding (?) at 20°-25° to c/a.<br><br><b>TECTONIC STRUCTURE:</b> Shearing overprint probably more like 50 to c/a. Core is fractured in several orientations.<br><br><b>GENERAL ALTERATION:</b> Silica/albite - albite quite intense over 0.5 m lengths. Minor hematite on a few fractures.<br><br><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br>Some quartz veining/silicification, particularly 6-8 m. Limonite is 15-20% of zone (no sulphide remains). |                 |                   |                 |                   |                 |       |      |      |     |       |       |      |      |      |       |       |      |     |      |       |       |     |     |     |       |       |     |      |     |       |       |      |      |     |       |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------|------|------|-----|-------|-------|------|------|------|-------|-------|------|-----|------|-------|-------|-----|-----|-----|-------|-------|-----|------|-----|-------|-------|------|------|-----|-------|
|                                  | <table border="1"> <thead> <tr> <th><b>SAMPLE #</b></th> <th><b>From (m)</b></th> <th><b>To (m)</b></th> <th><b>Length (m)</b></th> <th><b>Rec. (m)</b></th> </tr> </thead> <tbody> <tr> <td>52413</td> <td>3.65</td> <td>4.85</td> <td>1.2</td> <td>(1.0)</td> </tr> <tr> <td>52414</td> <td>4.85</td> <td>5.48</td> <td>0.65</td> <td>(0.5)</td> </tr> <tr> <td>52415</td> <td>5.48</td> <td>7.0</td> <td>1.52</td> <td>(0.9)</td> </tr> <tr> <td>52416</td> <td>7.0</td> <td>8.0</td> <td>1.0</td> <td>(0.9)</td> </tr> <tr> <td>52417</td> <td>8.0</td> <td>10.1</td> <td>2.1</td> <td>(1.5)</td> </tr> <tr> <td>52418</td> <td>10.1</td> <td>12.6</td> <td>2.5</td> <td>(0.9)</td> </tr> </tbody> </table> <p><b>Additional Observations:</b> Core recovery estimated at 50-60%.</p>                                                                                                    | <b>SAMPLE #</b> | <b>From (m)</b>   | <b>To (m)</b>   | <b>Length (m)</b> | <b>Rec. (m)</b> | 52413 | 3.65 | 4.85 | 1.2 | (1.0) | 52414 | 4.85 | 5.48 | 0.65 | (0.5) | 52415 | 5.48 | 7.0 | 1.52 | (0.9) | 52416 | 7.0 | 8.0 | 1.0 | (0.9) | 52417 | 8.0 | 10.1 | 2.1 | (1.5) | 52418 | 10.1 | 12.6 | 2.5 | (0.9) |
| <b>SAMPLE #</b>                  | <b>From (m)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>To (m)</b>   | <b>Length (m)</b> | <b>Rec. (m)</b> |                   |                 |       |      |      |     |       |       |      |      |      |       |       |      |     |      |       |       |     |     |     |       |       |     |      |     |       |       |      |      |     |       |
| 52413                            | 3.65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4.85            | 1.2               | (1.0)           |                   |                 |       |      |      |     |       |       |      |      |      |       |       |      |     |      |       |       |     |     |     |       |       |     |      |     |       |       |      |      |     |       |
| 52414                            | 4.85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5.48            | 0.65              | (0.5)           |                   |                 |       |      |      |     |       |       |      |      |      |       |       |      |     |      |       |       |     |     |     |       |       |     |      |     |       |       |      |      |     |       |
| 52415                            | 5.48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7.0             | 1.52              | (0.9)           |                   |                 |       |      |      |     |       |       |      |      |      |       |       |      |     |      |       |       |     |     |     |       |       |     |      |     |       |       |      |      |     |       |
| 52416                            | 7.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8.0             | 1.0               | (0.9)           |                   |                 |       |      |      |     |       |       |      |      |      |       |       |      |     |      |       |       |     |     |     |       |       |     |      |     |       |       |      |      |     |       |
| 52417                            | 8.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 10.1            | 2.1               | (1.5)           |                   |                 |       |      |      |     |       |       |      |      |      |       |       |      |     |      |       |       |     |     |     |       |       |     |      |     |       |       |      |      |     |       |
| 52418                            | 10.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 12.6            | 2.5               | (0.9)           |                   |                 |       |      |      |     |       |       |      |      |      |       |       |      |     |      |       |       |     |     |     |       |       |     |      |     |       |       |      |      |     |       |

| From<br>Meters | To<br>Meters | <p><b>LITHOLOGY:</b> Darker unit than above, also less weathered. Green and darker grey, dominated by thin-bedded/laminated argillaceous rocks but some harder siltstones present, particularly 26-29 m. Likely Creston sediments but there are some darker grey sediment as well.</p> <p><b>COLOUR:</b> Grey and green.</p> <p><b>PRIMARY STRUCTURE:</b> Bedding and foliation sub-parallel at ~50° to c/a.</p> <p><b>TECTONIC STRUCTURE:</b> Shearing continues to ~23.47 m with gouge and sheared sediments – below is rubble they cored which is likely material which caved in hole at 24.35 m to 25.9 m. Below is very broken siltstone material making any definition of fault extent difficult ( might put at ~20.4 m but more broken ground below). (Drillers indicated fault/sand influx started at 23.5 m). Out of main fault (Palmer Bar Fault) by ~33 m?</p> <p><b>GENERAL ALTERATION:</b> Chlorite pervasive.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Pyrite preserved in seams and patches but not high content. Only very few narrow quartz veins.</p> <table border="1"> <thead> <tr> <th>SAMPLE #</th><th>From (m)</th><th>To (m)</th><th>Length (m)</th><th>Rec. (m)</th></tr> </thead> <tbody> <tr> <td>52419</td><td>12.6</td><td>14.63</td><td>1.97</td><td>(0.9)</td></tr> <tr> <td>52420</td><td>14.63</td><td>16.5</td><td>1.87</td><td>(0.7)</td></tr> </tbody> </table> <p><b>Note:</b> Due to switch to B and casing N to 116 ft. – Box 7 extra core to 116 ft.<br/>Estimate 60% recovery 3.6 m – 35.3 m.</p> <p><b>ADDITIONAL OBSERVATIONS:</b> Drillers filled boxes with rubble/gravel which exaggerates recovery etc. -<br/>Sand flowing back into the hole. Had to run casing to 118 m and switched to B at 35.36 m (116 ft.)</p> |            |          |  |  | SAMPLE # | From (m) | To (m) | Length (m) | Rec. (m) | 52419 | 12.6 | 14.63 | 1.97 | (0.9) | 52420 | 14.63 | 16.5 | 1.87 | (0.7) |
|----------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|--|--|----------|----------|--------|------------|----------|-------|------|-------|------|-------|-------|-------|------|------|-------|
| SAMPLE #       | From (m)     | To (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Length (m) | Rec. (m) |  |  |          |          |        |            |          |       |      |       |      |       |       |       |      |      |       |
| 52419          | 12.6         | 14.63                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1.97       | (0.9)    |  |  |          |          |        |            |          |       |      |       |      |       |       |       |      |      |       |
| 52420          | 14.63        | 16.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.87       | (0.7)    |  |  |          |          |        |            |          |       |      |       |      |       |       |       |      |      |       |
| 35.3 – 48.3    |              | <p><b>LITHOLOGY:</b> Probably basal Creston Formation – thin-bedded to laminated, wispy, lenticular (grey or green) appearance but structural overprinting makes it difficult—also get green siltstone to 0.5 m thick. Some argillaceous siltstones have parallel, planar laminates as well. Some 1-3 m of dark grey argillaceous siltstones. At about 46 m greenish siltstones become dominant.</p> <p><b>COLOUR:</b> Grey and greenish.</p> <p><b>PRIMARY STRUCTURE:</b> Bedding is tectonized for most part—lenticular appearing but also some parallel laminated sections. At 50° consistently; down to 40° by 58 m. Argillaceous beds are greenish with darker grey tops/interlayers which have the pyrite.</p> <p><b>TECTONIC STRUCTURE</b> N/A</p> <p><b>GENERAL ALTERATION:</b> Chlorite widespread but not intense. No argillic alteration as might have been expected.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b> A few narrow quartz-carbonate veins/some quartz on fractures but low overall. Scattered pyrite. Pyrite seams within the foliation.</p> <p><b>ADDITIONAL OBSERVATIONS:</b> Note: BQ core from 35.97 m. Core recovery much improved 35.3 m.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |          |  |  |          |          |        |            |          |       |      |       |      |       |       |       |      |      |       |

| From<br>Meters | To<br>Meters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 48.3 – 160.0   | <p><b>LITHOLOGY:</b> Dominated by grey-green, fine-grained siltstones with 0.5 m to 1.5 m argillaceous units occupying about 15-20% of the section only. Possible Middle Creston or approaching it? Some of the irregularly laminated argillites are quite dark grey – can be grey, green, or both.</p> <p><b>COLOUR:</b> Greenish.</p> <p><b>PRIMARY STRUCTURE:</b> Rodding is present – mostly recognized where argillites/siltstones are in contact at 51 m at 40°; 64.5 m at 30°; 71.0 m at 50°; 82.2 m at 45°; 99.5 m at 40°; 101.2 m at 30°; 120.3 m at 45°; 136.0 m at 55°; 140.5 m at 40°. Some rip-up beds with clasts but ≤0.5 m - 153.5 m.</p> <p><b>TECTONIC STRUCTURE:</b> Siltstones are fractured to even locally brecciated/veined – dominant fractures at 30°-50° to c/a. Brecciation where you get additional fractures at lower angle to c/a. Some of the argillites have “graphitic” slicken-sided surfaces to there has been movement.</p> <p><b>GENERAL ALTERATION:</b> Chlorite but not intense, just pervasive – lack of other alteration (i.e. argillic) but host rocks are silica-rich, hard resistive siltstones to fine-grained quartzites. Some of the siltstone intervals look silicified (so fine-grained, continuously hard). There are remnants of black argillite scattered through the greenish siltstone.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Pyrite is present as seams/patches along fractures, mostly in the more argillaceous sections but content is not high overall. Quartz vein restricted in fractures and local breccias but no veins beyond 10 cm. Little, few sulphides – one vein per 10 m. Touch of sphalerite with pyrite is sheared argillite at 128.2 m.</p> <hr/> <p><b>ADDITIONAL OBSERVATIONS:</b> Core recovery 48.3 m – 140.5 m ~85% to 90%.</p> |
| 160.0 – 164.85 | <p><b>LITHOLOGY:</b> Dark grey, very finely laminated argillites. Laminates are not perfectly planar, more wispy. Some thin-bedded units as well. Contacts are quite sharp.</p> <p><b>COLOUR:</b> Dark grey.</p> <p><b>PRIMARY STRUCTURE:</b> Bedding represented by black laminates at 40°-50° to c/a.</p> <p><b>TECTONIC STRUCTURE:</b> Rock is strained along the bedding.</p> <p><b>GENERAL ALTERATION:</b> Not as dominant as in the siltstones.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Pyrite as patches and discontinuous lams. (minor pyrrhotite).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| From<br>Meters | To<br>Meters |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 164.85 – 192.4 |              | <p><b>LITHOLOGY:</b> Back into the pale greenish-grey, fine-grained siltstone dominated section (as above). Some suggestion of wispy bedding within the siltstones, thin to thick-bedded. Also some green argillites within interval to 0.5 m.</p> <p><b>COLOUR:</b> Greenish-grey</p> <p><b>PRIMARY STRUCTURE:</b> Bedding is harder to recognize – 168.0 m at 60°; 172.2 m at 35°; 176.9 m at 45°-50°; 183.0 m at 20°; 188.5 at 45°; irregular lower contact with black argillites.</p> <p><b>TECTONIC STRUCTURE:</b> The fine-grained silicified siltstone can be crackle breccia over intervals to 3 m (fractured in at least 2 directions).</p> <p><b>GENERAL ALTERATION:</b> Some silicification of the siltstones – pervasive low intensity chlorite</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Very little sulphide – only occasional narrow quartz veins with dark chlorite and minor pyrite.</p> |
| 192.4 – 196.9  |              | <p><b>LITHOLOGY:</b> Again reversal to dark grey argillite dominant – finely laminated but in detail wispy, discontinuous laminates. There are short intervals of interbedded green siltstone and argillite.</p> <p><b>COLOUR:</b> Dark grey and grey-green.</p> <p><b>PRIMARY STRUCTURE:</b> Bedding at 50°-60° to c/a.</p> <p><b>TECTONIC STRUCTURE:</b> Disrupted, sheared – rock is striated. Chloritic slip planes.</p> <p><b>GENERAL ALTERATION:</b> Chlorite in part but not silicified.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Pyrite quite prevalent along laminations but also cross-cuts the laminations. Pyrite to 4-5%</p>                                                                                                                                                                                                                                                                |
| 196.9 – 215.28 |              | <p><b>LITHOLOGY:</b> Dominated by greenish-grey siltstones with less argillite. Remnants of black argillite preserved but less than 1.5 m. 203.9 m – 205.4 m – dark, laminated argillite – contorted lams (shorter so not *** out).</p> <p><b>COLOUR:</b> Greenish-grey.</p> <p><b>PRIMARY STRUCTURE:</b> Bedding at 48° then more irregular down the hole.</p> <p><b>TECTONIC STRUCTURE:</b> Sediments more disrupted – lenticular beds preserved.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| From<br>Meters          | To<br>Meters |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 196.9 – 215.28<br>con't |              | <p><b>GENERAL ALTERATION:</b> Chlorite but not intense.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Pyrite on fractures in the green siltstones and in a few quartz veins at 20° to c/a.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 215.28 – 220.8          |              | <p><b>LITHOLOGY:</b> Dark grey, finely wispy laminated 'argillite'. Tectonically overprinted with bedding and 'foliation' at ~55° to c/a.</p> <p><b>COLOUR:</b> Dark grey to black.</p> <p><b>PRIMARY STRUCTURE:</b> Bedding as laminations stained but present. Bedding between 35°-50° to c/a.</p> <p><b>TECTONIC STRUCTURE:</b> Sheared along lamination.</p> <p><b>GENERAL ALTERATION:</b> Limited inter*** some chlorite.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Pyrite again quite common as irregular, small patches and long fractures. More pyrite 223.85 m – 224.15 m.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 220.8 – 277.70          |              | <p><b>LITHOLOGY:</b> Continuation of the above. Alternating sequences with dominant pale green siltstones and argillaceous siltstones with some very fine-grained zones silicified and mixed with dark grey to black finely-laminated argillites (which haven't separated out). Is that all Lower Creston (folded likely)? Some slightly coarser siltstones to quartzites.</p> <p><b>COLOUR:</b> Greenish-grey or dark grey.</p> <p><b>PRIMARY STRUCTURE:</b> Bedding present but overprinted by tectonism to contort or just obfuscate. Bedding at 50°-55° around 231.0 m; 65° around 244 m; 60° at 247.5 m; 50° around 251.5 m; 50° at 257.0 m; 45° around 275.0 m.</p> <p><b>TECTONIC STRUCTURE:</b> Dark grey units take on the disruption (squeezed and folded) – siltstones can be shattered (warbled). Some localized brecciation 248.3 m – 249.3 m as one example.</p> <p><b>GENERAL ALTERATION:</b> Silicification (remake) of some of the siltstones. Short alteration zones of likely albite starting to appear below ~240.5 m. More alteration below ~260.0 m (albite and quartz). In black argillite from 272.4 m down is 8-10% greenish straw-coloured sericite.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Pyrite with the dark grey argillites – locally more pyrite sometimes with some chalcopyrite (230.4 m – 230.5 m). Modest increase in the number of quartz veins. (Largest 245.0 m – 245.4 m with minor pyrite and chalcopyrite.)</p> |

| From<br>Meters  | To<br>Meters | LITHOLOGY:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |            |          |          |            |            |          |        |            |       |       |       |     |       |       |        |      |       |       |       |     |       |        |       |      |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
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| 277.70 - 284.78 |              | <p><b>LITHOLOGY:</b> Mottled, light greenish-grey to white altered intrusion. Some remnant greenish feldspar which are deformed with a long axis producing a vague fabric at 40°-45° to c/a. No *** remain (altered/flushed out). Upper contact at 60° sharp cut fabric of sediments at low angle. Lower contact at 55° with a 1 cm round seam then silicified, micro-brecciated rock.</p> <p><b>COLOUR:</b> Greenish (pale).</p> <p><b>PRIMARY STRUCTURE:</b> Crystallinity largely destroyed except for larger, white feldspar rhombs preserved within a medium "crystalline" matrix (***)�.</p> <p><b>TECTONIC STRUCTURE:</b> Overprinting also noted in the intrusion – alignment of feldspars along 40°-45° to c/a.</p> <p><b>GENERAL ALTERATION:</b> Green sericitization of the feldspars – the rock is reasonably soft (low quartz overall). White feldspar *** late-growth across structure.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Fractures hosted pyrite, minor chalcopyrite, some galena and a grey *** sulphide which seems quite soft; (continual to fractures which are late micro-veinlets with fine grey quartz). Maybe two or more Cu, As, Co sulphides in the fine fracture network.</p> <table border="1"> <thead> <tr> <th>SAMPLE #</th><th>From (m)</th><th>To (m)</th><th>Length (m)</th><th>SAMPLE #</th><th>From (m)</th><th>To (m)</th><th>Length (m)</th></tr> </thead> <tbody> <tr> <td>52421</td><td>277.4</td><td>278.8</td><td>1.0</td><td>52428</td><td>283.9</td><td>284.78</td><td>0.88</td></tr> <tr> <td>52422</td><td>278.8</td><td>279.5</td><td>0.7</td><td>52429</td><td>284.78</td><td>286.0</td><td>1.22</td></tr> <tr> <td>52423</td><td>279.5</td><td>280.5</td><td>1.0</td><td>52430</td><td>286.0</td><td>287.0</td><td>1.0</td></tr> <tr> <td>52424</td><td>280.5</td><td>281.5</td><td>1.0</td><td>52431</td><td>287.0</td><td>288.0</td><td>1.0</td></tr> <tr> <td>52425</td><td>281.5</td><td>282.5</td><td>1.0</td><td>52432</td><td>288.0</td><td>289.0</td><td>1.0</td></tr> <tr> <td>52426</td><td>282.5</td><td>283.3</td><td>0.8</td><td>52433</td><td>289.0</td><td>290.0</td><td>1.0</td></tr> <tr> <td>52427</td><td>283.3</td><td>283.9</td><td>0.6</td><td>52434</td><td>290.0</td><td>291.0</td><td>1.0</td></tr> </tbody> </table> | SAMPLE #   | From (m) | To (m)   | Length (m) | SAMPLE #   | From (m) | To (m) | Length (m) | 52421 | 277.4 | 278.8 | 1.0 | 52428 | 283.9 | 284.78 | 0.88 | 52422 | 278.8 | 279.5 | 0.7 | 52429 | 284.78 | 286.0 | 1.22 | 52423 | 279.5 | 280.5 | 1.0 | 52430 | 286.0 | 287.0 | 1.0 | 52424 | 280.5 | 281.5 | 1.0 | 52431 | 287.0 | 288.0 | 1.0 | 52425 | 281.5 | 282.5 | 1.0 | 52432 | 288.0 | 289.0 | 1.0 | 52426 | 282.5 | 283.3 | 0.8 | 52433 | 289.0 | 290.0 | 1.0 | 52427 | 283.3 | 283.9 | 0.6 | 52434 | 290.0 | 291.0 | 1.0 |
| SAMPLE #        | From (m)     | To (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Length (m) | SAMPLE # | From (m) | To (m)     | Length (m) |          |        |            |       |       |       |     |       |       |        |      |       |       |       |     |       |        |       |      |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 52421           | 277.4        | 278.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.0        | 52428    | 283.9    | 284.78     | 0.88       |          |        |            |       |       |       |     |       |       |        |      |       |       |       |     |       |        |       |      |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 52422           | 278.8        | 279.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.7        | 52429    | 284.78   | 286.0      | 1.22       |          |        |            |       |       |       |     |       |       |        |      |       |       |       |     |       |        |       |      |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 52423           | 279.5        | 280.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.0        | 52430    | 286.0    | 287.0      | 1.0        |          |        |            |       |       |       |     |       |       |        |      |       |       |       |     |       |        |       |      |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 52424           | 280.5        | 281.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.0        | 52431    | 287.0    | 288.0      | 1.0        |          |        |            |       |       |       |     |       |       |        |      |       |       |       |     |       |        |       |      |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 52425           | 281.5        | 282.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.0        | 52432    | 288.0    | 289.0      | 1.0        |          |        |            |       |       |       |     |       |       |        |      |       |       |       |     |       |        |       |      |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 52426           | 282.5        | 283.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.8        | 52433    | 289.0    | 290.0      | 1.0        |          |        |            |       |       |       |     |       |       |        |      |       |       |       |     |       |        |       |      |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 52427           | 283.3        | 283.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.6        | 52434    | 290.0    | 291.0      | 1.0        |          |        |            |       |       |       |     |       |       |        |      |       |       |       |     |       |        |       |      |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 284.78 - 319.60 |              | <p><b>LITHOLOGY:</b> A 'foliation' dominates but there is a micro-brecciation – significant portion of interval was likely sediments but a fine-grained, light grey remnant rock is also present to estimated 10-15%. These rocks are highly altered but not as brecciated because some fabric is retained.</p> <p><b>COLOUR:</b> Light grey to whitish locally with darker grey streakiness.</p> <p><b>PRIMARY STRUCTURE:</b> The foliation may represent remnants of bedding (?). Rocks show evidence of multiple stage brecciation.</p> <p><b>TECTONIC STRUCTURE:</b> There is tectonic overprinting – there is alignment of darker and lighter banding at 50°-60° to c/a. Several episodes of fracturing – last filled with medium grey quartz which cuts everything (not mineralized).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            |          |          |            |            |          |        |            |       |       |       |     |       |       |        |      |       |       |       |     |       |        |       |      |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |

| From<br>Meters                                                    | To<br>Meters | <b>GENERAL ALTERATION:</b> Silicification is pervasive – rock is all hard. Some albitization as well but as widespread as in breccia of hole Z-07-1. Erratic yellow-green alteration (overall 1 cm – sericite (?)).                                                                            |               |           |          |        |            |
|-------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|----------|--------|------------|
| <b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b> |              |                                                                                                                                                                                                                                                                                                |               |           |          |        |            |
| 284.78 – 319.60<br>con't                                          |              | Pyrite is ubiquitous although greater/lesser % can be broken out.                                                                                                                                                                                                                              | 277.7 – 294.0 | low-mod.  | 5-8%     |        |            |
|                                                                   |              |                                                                                                                                                                                                                                                                                                | 294.0 – 300.0 | mod.-high | 15-20%   |        |            |
|                                                                   |              |                                                                                                                                                                                                                                                                                                | 300.0 – 309.0 | low       | 3-5%     |        |            |
|                                                                   |              |                                                                                                                                                                                                                                                                                                | 309.0 – 312.8 | mod.-high | 15%      |        |            |
|                                                                   |              |                                                                                                                                                                                                                                                                                                | 312.8 – 315.2 | low       | 5-7%     |        |            |
|                                                                   |              |                                                                                                                                                                                                                                                                                                | 315.2 – 322.5 | mod.-high | 15-20%   |        |            |
| SAMPLE #                                                          | From (m)     | To (m)                                                                                                                                                                                                                                                                                         | Length (m)    | SAMPLE #  | From (m) | To (m) | Length (m) |
| 52435                                                             | 291.0        | 292.0                                                                                                                                                                                                                                                                                          | 1.0           | 52442     | 298.0    | 299.0  | 1.0        |
| 52436                                                             | 292.0        | 293.0                                                                                                                                                                                                                                                                                          | 1.0           | 52443     | 299.0    | 300.0  | 1.0        |
| 52437                                                             | 293.0        | 294.0                                                                                                                                                                                                                                                                                          | 1.0           | 52444     | 300.0    | 301.0  | 1.0        |
| 52438                                                             | 294.0        | 295.0                                                                                                                                                                                                                                                                                          | 1.0           | 52445     | 301.0    | 302.0  | 1.0        |
| 52439                                                             | 295.0        | 296.0                                                                                                                                                                                                                                                                                          | 1.0           | 52446     | 302.0    | 303.0  | 1.0        |
| 52440                                                             | 296.0        | 297.0                                                                                                                                                                                                                                                                                          | 1.0           | 52447     | 303.0    | 304.0  | 1.0        |
| 52441                                                             | 297.0        | 298.0                                                                                                                                                                                                                                                                                          | 1.0           | 52448     | 304.0    | 305.0  | 1.0        |
| 319.6 – 362.0                                                     |              | <b>LITHOLOGY:</b> More brecciated appearance with only remnants of foliation remaining. Even more brecciated below 339.5 m Assume altered sediments but the micro-veinal grey rock (quartzites?) continues as remnant ~20% scratchable (not as silicified.)                                    |               |           |          |        |            |
|                                                                   |              | <b>COLOUR:</b> Light and dark grey streaked then more grey mottled.                                                                                                                                                                                                                            |               |           |          |        |            |
|                                                                   |              | <b>PRIMARY STRUCTURE:</b> Is this a mixture of high sediment and f.c. intrusion?? which has been extensively altered and repeatedly tectonized or just more quartzite sediments with depth? Still erratic alteration between darker grey and lighter green intervals (some not as silicified). |               |           |          |        |            |
|                                                                   |              | <b>TECTONIC STRUCTURE:</b> Still suggestion of *** foliation due to colour changes and pyrite banding/streaking but only locally now.                                                                                                                                                          |               |           |          |        |            |
|                                                                   |              | <b>GENERAL ALTERATION:</b> Silicification is ubiquitous – some albite likely but not as obvious as in Z-07-1. More quartz (light and medium grey) as irregular patches/zone increasing the brecciated appearance.                                                                              |               |           |          |        |            |

| From<br>Meters                                                                                                                                                                                                                              | To<br>Meters | <b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br>Pyrite throughout as patches/streaks/scattered grains. Some Cp around 334.2m but little visible otherwise. |            |          |          |        |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|----------|--------|------------|
| 319.6 – 362.0                                                                                                                                                                                                                               | con't        | <b>At 322.5 m – 328.6 m-less pyrite 8-10% . At 328.6 m – 334.4 m- more pyrite med. to high – 20% At 334.4 m lower pyrite 3-5%</b>                                               |            |          |          |        |            |
| <hr/>                                                                                                                                                                                                                                       |              |                                                                                                                                                                                 |            |          |          |        |            |
| SAMPLE #                                                                                                                                                                                                                                    | From (m)     | To (m)                                                                                                                                                                          | Length (m) | SAMPLE # | From (m) | To (m) | Length (m) |
| 52449                                                                                                                                                                                                                                       | 305.0        | 306.0                                                                                                                                                                           | 1.0        | 52456    | 312.0    | 313.0  | 1.0        |
| 52450                                                                                                                                                                                                                                       | 306.0        | 307.0                                                                                                                                                                           | 1.0        | 52457    | 313.0    | 314.0  | 1.0        |
| 52451                                                                                                                                                                                                                                       | 307.0        | 308.0                                                                                                                                                                           | 1.0        | 52458    | 314.0    | 315.0  | 1.0        |
| 52452                                                                                                                                                                                                                                       | 308.0        | 309.0                                                                                                                                                                           | 1.0        | 52459    | 315.0    | 316.0  | 1.0        |
| 52453                                                                                                                                                                                                                                       | 309.0        | 310.0                                                                                                                                                                           | 1.0        | 52460    | 316.0    | 317.0  | 1.0        |
| 52454                                                                                                                                                                                                                                       | 310.0        | 311.0                                                                                                                                                                           | 1.0        | 52461    | 317.0    | 318.0  | 1.0        |
| 52455                                                                                                                                                                                                                                       | 311.0        | 312.0                                                                                                                                                                           | 1.0        | 52462    | 318.0    | 319.0  | 1.0        |
| <hr/>                                                                                                                                                                                                                                       |              |                                                                                                                                                                                 |            |          |          |        |            |
| <b>LITHOLOGY:</b> Less brecciated interval with greenish quartzites (perhaps harder, silicified) but not broken up, to remnants of darker grey former argillites which are strained/contorted to brecciated, but less than 0.5 m intervals. |              |                                                                                                                                                                                 |            |          |          |        |            |
| 362.0 – 377.0                                                                                                                                                                                                                               |              |                                                                                                                                                                                 |            |          |          |        |            |
| <b>COLOUR:</b> N/A                                                                                                                                                                                                                          |              |                                                                                                                                                                                 |            |          |          |        |            |
| <b>PRIMARY STRUCTURE:</b> Suggestion of bedding at ~40° to c/a.                                                                                                                                                                             |              |                                                                                                                                                                                 |            |          |          |        |            |
| <b>TECTONIC STRUCTURE:</b> Not as intense – the argillites have taken up the stress and are contorted, folded on a small scale.                                                                                                             |              |                                                                                                                                                                                 |            |          |          |        |            |
| <b>GENERAL ALTERATION:</b> Some quartz flooding but not as widespread at all.                                                                                                                                                               |              |                                                                                                                                                                                 |            |          |          |        |            |
| <b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br>Amount of pyrite has dropped significantly to less than 5% - restricted to quartz flooded areas.                                                                       |              |                                                                                                                                                                                 |            |          |          |        |            |
| SAMPLE #                                                                                                                                                                                                                                    | From (m)     | To (m)                                                                                                                                                                          | Length (m) | SAMPLE # | From (m) | To (m) | Length (m) |
| 52463                                                                                                                                                                                                                                       | 319.0        | 320.0                                                                                                                                                                           | 1.0        | 52471    | 327.0    | 328.0  | 1.0        |
| 52464                                                                                                                                                                                                                                       | 320.0        | 321.0                                                                                                                                                                           | 1.0        | 52472    | 328.0    | 329.0  | 1.0        |
| 52465                                                                                                                                                                                                                                       | 321.0        | 322.0                                                                                                                                                                           | 1.0        | 52473    | 329.0    | 330.0  | 1.0        |
| 52466                                                                                                                                                                                                                                       | 322.0        | 323.0                                                                                                                                                                           | 1.0        | 52474    | 330.0    | 331.0  | 1.0        |
| 52467                                                                                                                                                                                                                                       | 323.0        | 324.0                                                                                                                                                                           | 1.0        | 52475    | 331.0    | 332.0  | 1.0        |
| 52468                                                                                                                                                                                                                                       | 324.0        | 325.0                                                                                                                                                                           | 1.0        | 52476    | 332.0    | 333.0  | 1.0        |
| 52469                                                                                                                                                                                                                                       | 325.0        | 326.0                                                                                                                                                                           | 1.0        | 52477    | 333.0    | 334.5  | 1.5        |
| 52470                                                                                                                                                                                                                                       | 326.0        | 327.0                                                                                                                                                                           | 1.0        |          |          |        |            |

| From<br>Meters | To<br>Meters | LITHOLOGY:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |            |          |          |            |            |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
|----------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|----------|------------|------------|----------|--------|------------|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|
| 377.0 – 395.6  |              | <p><b>LITHOLOGY:</b> More intense brecciation again with irregular black intervals and remnant pale greenish, fine-grained siltstones (?). Brecciation/alteration lessens over last 4 meters.</p> <p><b>COLOUR:</b> Variable dark grey intervals – some lighter greenish remnants as well.</p> <p><b>PRIMARY STRUCTURE:</b> Suggestion of bedding/banding 35° to 60° to c/a.</p> <p><b>TECTONIC STRUCTURE:</b> Compression and shearing has been intense – brecciation with alteration fluids injected; primarily silica (far less albite than Z-07-1). Black argillite remnants can get quite contorted/folded as can the quartz veins.</p> <p><b>GENERAL ALTERATION:</b> Quartz flooding more common again. Silicification widespread but some softer sediment remnants. Quartz is light to dark grey.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Pyrite throughout but higher percent zones within. Chalcopyrite only visible at 391.0 m to 392.0 m. Pyrite looks shattered as well – continue to see black, fine inclusion material (how much?).</p> |            |          |          |            |            |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
|                |              | <table> <thead> <tr> <th>SAMPLE #</th><th>From (m)</th><th>To (m)</th><th>Length (m)</th><th>SAMPLE #</th><th>From (m)</th><th>To (m)</th><th>Length (m)</th></tr> </thead> <tbody> <tr><td>52478</td><td>334.5</td><td>336.0</td><td>1.5</td><td>52485</td><td>342.0</td><td>343.0</td><td>1.0</td></tr> <tr><td>52479</td><td>336.0</td><td>337.0</td><td>1.0</td><td>52486</td><td>343.0</td><td>344.0</td><td>1.0</td></tr> <tr><td>52480</td><td>337.0</td><td>338.0</td><td>1.0</td><td>52487</td><td>344.0</td><td>345.0</td><td>1.0</td></tr> <tr><td>52481</td><td>338.0</td><td>339.0</td><td>1.0</td><td>52488</td><td>345.0</td><td>346.0</td><td>1.0</td></tr> <tr><td>52482</td><td>339.0</td><td>340.0</td><td>1.0</td><td>52489</td><td>346.0</td><td>347.0</td><td>1.0</td></tr> <tr><td>52483</td><td>340.0</td><td>341.0</td><td>1.0</td><td>52490</td><td>347.0</td><td>348.0</td><td>1.0</td></tr> <tr><td>52484</td><td>341.0</td><td>342.0</td><td>1.0</td><td>52491</td><td>348.0</td><td>349.0</td><td>1.0</td></tr> </tbody> </table>                            | SAMPLE #   | From (m) | To (m)   | Length (m) | SAMPLE #   | From (m) | To (m) | Length (m) | 52478 | 334.5 | 336.0 | 1.5 | 52485 | 342.0 | 343.0 | 1.0 | 52479 | 336.0 | 337.0 | 1.0 | 52486 | 343.0 | 344.0 | 1.0 | 52480 | 337.0 | 338.0 | 1.0 | 52487 | 344.0 | 345.0 | 1.0 | 52481 | 338.0 | 339.0 | 1.0 | 52488 | 345.0 | 346.0 | 1.0 | 52482 | 339.0 | 340.0 | 1.0 | 52489 | 346.0 | 347.0 | 1.0 | 52483 | 340.0 | 341.0 | 1.0 | 52490 | 347.0 | 348.0 | 1.0 | 52484 | 341.0 | 342.0 | 1.0 | 52491 | 348.0 | 349.0 | 1.0 |
| SAMPLE #       | From (m)     | To (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Length (m) | SAMPLE # | From (m) | To (m)     | Length (m) |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 52478          | 334.5        | 336.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.5        | 52485    | 342.0    | 343.0      | 1.0        |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 52479          | 336.0        | 337.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.0        | 52486    | 343.0    | 344.0      | 1.0        |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 52480          | 337.0        | 338.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.0        | 52487    | 344.0    | 345.0      | 1.0        |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 52481          | 338.0        | 339.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.0        | 52488    | 345.0    | 346.0      | 1.0        |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 52482          | 339.0        | 340.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.0        | 52489    | 346.0    | 347.0      | 1.0        |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 52483          | 340.0        | 341.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.0        | 52490    | 347.0    | 348.0      | 1.0        |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 52484          | 341.0        | 342.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.0        | 52491    | 348.0    | 349.0      | 1.0        |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |
| 395.6 – 423.4  |              | <p><b>LITHOLOGY:</b> More intense brecciation and alteration again – some small, isolated remnants of the original sediments (black and grey-green). Quartz dominates with 30% remnant material.</p> <p><b>COLOUR:</b> Dominantly darker grey.</p> <p><b>PRIMARY STRUCTURE:</b> Largely obliterated.</p> <p><b>TECTONIC STRUCTURE:</b> Original sediments are more altered/brecciated but everything has been shattered. At 412.8 m to 415.0 m scattered gouge/shattered quartz – possible fault at 45° to c/a.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |          |          |            |            |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |     |



| From<br>Meters         | To | SAMPLE # | From (m) | To (m) | Length (m) | SAMPLE # | From (m) | To (m) | Length (m) |
|------------------------|----|----------|----------|--------|------------|----------|----------|--------|------------|
| 423.4 – 464.0<br>con't |    | 53306    | 364.0    | 366.0  | 2.0        | 53313    | 377.0    | 378.0  | 1.0        |
|                        |    | 53307    | 366.0    | 368.0  | 2.0        | 53314    | 378.0    | 379.0  | 1.0        |
|                        |    | 53308    | 368.0    | 370.0  | 2.0        | 53315    | 379.0    | 380.0  | 1.0        |
|                        |    | 53309    | 370.0    | 372.0  | 2.0        | 53316    | 380.0    | 381.0  | 1.0        |
|                        |    | 53310    | 372.0    | 374.0  | 2.0        | 53317    | 381.0    | 382.0  | 1.0        |
|                        |    | 53311    | 374.0    | 376.0  | 2.0        | 53318    | 382.0    | 383.0  | 1.0        |
|                        |    | 53312    | 376.0    | 377.0  | 1.0        | 53319    | 383.0    | 384.0  | 1.0        |

423m down –  
additional  
descriptions to  
match sampling

**LITHOLOGY:** Back into highly brecciated/quartz invasive zone with high pyrite. Original sediments only as remnants. Overall darker due to remnant argillite but also medium grey invasive quartz.

**COLOUR:** Darker grey.

**PRIMARY STRUCTURE:** No bedding recognizable.

**TECTONIC STRUCTURE:** General vague fabric provided by pyrite streaks and sediment remnants at 40-60 to c/a.

**GENERAL ALTERATION:** High percent of quartz influx as grey and lighter grey quartz.

#### **MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:**

Pyrite content quite high (to 25-30%). Traces of chalcopyrite. Pyrite in patches/irregular stringers at 45-50 to c/a, and disaggregated grains throughout.

| SAMPLE # | From (m) | To (m) | Length (m) | SAMPLE # | From (m) | To (m) | Length (m) |
|----------|----------|--------|------------|----------|----------|--------|------------|
| 53320    | 384.0    | 385.0  | 1.0        | 53327    | 391.16   | 392.16 | 1.0        |
| 53321    | 385.0    | 386.0  | 1.0        | 53328    | 392.16   | 393.0  | 0.84       |
| 53322    | 386.0    | 387.0  | 1.0        | 53329    | 393.0    | 394.0  | 1.0        |
| 53323    | 387.0    | 388.0  | 1.0        | 53330    | 394.0    | 395.0  | 1.0        |
| 53324    | 388.0    | 389.0  | 1.0        | 53331    | 395.0    | 396.0  | 1.0        |
| 53325    | 389.0    | 390.0  | 1.0        | 53332    | 396.0    | 397.0  | 1.0        |
| 53326    | 390.0    | 391.16 | 1.16       | 53333    | 397.0    | 398.0  | 1.0        |

**LITHOLOGY:** Intensely brecciated quartz flooded breccia structure as previously described continues.

**COLOUR:** Bluish-grey to light grey, mottled and streaked by pyrite.

**PRIMARY STRUCTURE:** N/A

**TECTONIC STRUCTURE:** At 414.5 m, fault gouge 20 cm thick cuts core axis at 57°.

| From<br>Meters |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |            |            |                         |            |            |          |            |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|------------|-------------------------|------------|------------|----------|------------|--------|------------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-----|-------|-------|-------|-------|-----|------|-------|-------|-------|-----|------|-------|-------|-------|-----|-----|-------|-------|-------|-----|
| To<br>Meters   | <b>GENERAL ALTERATION:</b> Intensely silicified sediments are brecciated and healed by white to smoky quartz and pyrite, fine white to light yellow sericite is scattered throughout the silicified sediments.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          |            |            |                         |            |            |          |            |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| con't          | <b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                         |            |            |          |            |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
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| SAMPLE #       | From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | To (m)   | Length (m) | SAMPLE #   | From (m)                | To (m)     | Length (m) |          |            |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| 53334          | 398.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 399.0    | 1.0        | 53341      | 405.0                   | 406.0      | 1.0        |          |            |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| 53335          | 399.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 400.0    | 1.0        | 53342      | 406.0                   | 407.0      | 1.0        |          |            |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| 53336          | 400.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 401.0    | 1.0        | 53343      | 407.0                   | 408.0      | 1.0        |          |            |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| 53337          | 401.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 402.0    | 1.0        | 53344      | 408.0                   | 409.0      | 1.0        |          |            |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| 53338          | 402.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 403.0    | 1.0        | 53345      | 409.0                   | 410.0      | 1.0        |          |            |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| 53339          | 403.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 404.0    | 1.0        | 53346      | 410.0                   | 411.0      | 1.0        |          |            |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| 53340          | 404.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 405.0    | 1.0        | 53347      | 411.0                   | 412.0      | 1.0        |          |            |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| Cont'd         | <p><b>LITHOLOGY:</b> Breccia continues as previously described.</p> <p><b>COLOUR:</b> N/A</p> <p><b>PRIMARY STRUCTURE:</b> Remnant bedding at 424.0 m = 51°.</p> <p><b>TECTONIC STRUCTURE:</b> N/A</p> <p><b>GENERAL ALTERATION:</b> N/A</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b></p> <table> <thead> <tr> <th>% Pyrite</th><th>SAMPLE #</th><th>From (m)</th><th>To (m)</th><th>Length (m)</th><th>% Pyrite</th><th>SAMPLE #</th><th>From (m)</th><th>To (m)</th><th>Length (m)</th></tr> </thead> <tbody> <tr><td>?</td><td>53348</td><td>412.0</td><td>413.0</td><td>1.0</td><td>15%</td><td>53355</td><td>419.0</td><td>419.8</td><td>0.8</td></tr> <tr><td>?</td><td>53349</td><td>413.0</td><td>414.0</td><td>1.0</td><td>core loss 2.5 m - 0.55%</td><td>53356</td><td>419.8</td><td>423.1</td><td>3.3</td></tr> <tr><td>?</td><td>53350</td><td>414.0</td><td>415.0</td><td>1.0</td><td>0.1%</td><td>53357</td><td>423.1</td><td>424.0</td><td>0.9</td></tr> <tr><td>15%</td><td>53351</td><td>415.0</td><td>416.0</td><td>1.0</td><td>0.1%</td><td>53358</td><td>424.0</td><td>425.0</td><td>1.0</td></tr> <tr><td>0.2%</td><td>53352</td><td>416.0</td><td>417.0</td><td>1.0</td><td>0.5%</td><td>53359</td><td>425.0</td><td>426.0</td><td>1.0</td></tr> <tr><td>0.5%</td><td>53353</td><td>417.0</td><td>418.0</td><td>1.0</td><td>0.3%</td><td>53360</td><td>426.0</td><td>427.0</td><td>1.0</td></tr> <tr><td>1.0%</td><td>53354</td><td>418.0</td><td>419.0</td><td>1.0</td><td>10%</td><td>53361</td><td>427.0</td><td>428.0</td><td>1.0</td></tr> </tbody> </table> | % Pyrite | SAMPLE #   | From (m)   | To (m)                  | Length (m) | % Pyrite   | SAMPLE # | From (m)   | To (m) | Length (m) | ?     | 53348 | 412.0 | 413.0 | 1.0   | 15% | 53355 | 419.0 | 419.8 | 0.8 | ?     | 53349 | 413.0 | 414.0 | 1.0   | core loss 2.5 m - 0.55% | 53356 | 419.8 | 423.1 | 3.3   | ?     | 53350 | 414.0 | 415.0 | 1.0   | 0.1% | 53357 | 423.1 | 424.0 | 0.9 | 15%   | 53351 | 415.0 | 416.0 | 1.0   | 0.1%  | 53358 | 424.0 | 425.0 | 1.0   | 0.2%  | 53352 | 416.0 | 417.0 | 1.0   | 0.5% | 53359 | 425.0 | 426.0 | 1.0 | 0.5%  | 53353 | 417.0 | 418.0 | 1.0 | 0.3% | 53360 | 426.0 | 427.0 | 1.0 | 1.0% | 53354 | 418.0 | 419.0 | 1.0 | 10% | 53361 | 427.0 | 428.0 | 1.0 |
| % Pyrite       | SAMPLE #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | From (m) | To (m)     | Length (m) | % Pyrite                | SAMPLE #   | From (m)   | To (m)   | Length (m) |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| ?              | 53348                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 412.0    | 413.0      | 1.0        | 15%                     | 53355      | 419.0      | 419.8    | 0.8        |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| ?              | 53349                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 413.0    | 414.0      | 1.0        | core loss 2.5 m - 0.55% | 53356      | 419.8      | 423.1    | 3.3        |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| ?              | 53350                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 414.0    | 415.0      | 1.0        | 0.1%                    | 53357      | 423.1      | 424.0    | 0.9        |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| 15%            | 53351                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 415.0    | 416.0      | 1.0        | 0.1%                    | 53358      | 424.0      | 425.0    | 1.0        |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| 0.2%           | 53352                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 416.0    | 417.0      | 1.0        | 0.5%                    | 53359      | 425.0      | 426.0    | 1.0        |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| 0.5%           | 53353                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 417.0    | 418.0      | 1.0        | 0.3%                    | 53360      | 426.0      | 427.0    | 1.0        |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |
| 1.0%           | 53354                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 418.0    | 419.0      | 1.0        | 10%                     | 53361      | 427.0      | 428.0    | 1.0        |        |            |       |       |       |       |       |     |       |       |       |     |       |       |       |       |       |                         |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |      |       |       |       |     |       |       |       |       |     |      |       |       |       |     |      |       |       |       |     |     |       |       |       |     |

| <b>From Meters</b>     | <b>To Meters</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |            |          |          |            |          |            |          |        |            |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |
|------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|----------|----------|------------|----------|------------|----------|--------|------------|------|-------|-------|-------|-----|------|-------|-------|-------|-----|------|-------|-------|-------|-----|------|-------|-------|-------|-----|------|-------|-------|-------|-----|------|-------|-------|-------|-----|------|-------|-------|-------|-----|------|-------|-------|-------|-----|------|-------|-------|-------|-----|------|-------|-------|-------|-----|------|-------|-------|-------|-----|------|-------|-------|-------|-----|------|-------|-------|-------|-----|------|-------|-------|-------|-----|
| 423.0 – 464.0m         |                  | <p><b>LITHOLOGY:</b> Mineralized breccia continues as previously described. Some scattered grey and dark grey argillite clasts.</p> <p><b>COLOUR:</b> N/A</p> <p><b>PRIMARY STRUCTURE:</b> N/A.</p> <p><b>TECTONIC STRUCTURE:</b> N/A</p> <p><b>GENERAL ALTERATION:</b> As previously described.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b></p> <table border="1"> <thead> <tr> <th>% Pyrite</th><th>SAMPLE #</th><th>From (m)</th><th>To (m)</th><th>Length (m)</th><th>% Pyrite</th><th>SAMPLE #</th><th>From (m)</th><th>To (m)</th><th>Length (m)</th></tr> </thead> <tbody> <tr> <td>5.0%</td><td>53362</td><td>428.0</td><td>429.0</td><td>1.0</td><td>0.5%</td><td>53369</td><td>435.0</td><td>436.0</td><td>1.0</td></tr> <tr> <td>5.0%</td><td>53363</td><td>429.0</td><td>430.0</td><td>1.0</td><td>3.0%</td><td>53370</td><td>436.0</td><td>437.0</td><td>1.0</td></tr> <tr> <td>3.0%</td><td>53364</td><td>430.0</td><td>431.0</td><td>1.0</td><td>8.0%</td><td>53371</td><td>437.0</td><td>438.0</td><td>1.0</td></tr> <tr> <td>2.0%</td><td>53365</td><td>431.0</td><td>432.0</td><td>1.0</td><td>3.0%</td><td>53372</td><td>438.0</td><td>439.0</td><td>1.0</td></tr> <tr> <td>8.0%</td><td>53366</td><td>432.0</td><td>433.0</td><td>1.0</td><td>3.0%</td><td>53373</td><td>439.0</td><td>440.0</td><td>1.0</td></tr> <tr> <td>0.5%</td><td>53367</td><td>433.0</td><td>434.0</td><td>1.0</td><td>3.0%</td><td>53374</td><td>440.0</td><td>441.0</td><td>1.0</td></tr> <tr> <td>1.0%</td><td>53368</td><td>434.0</td><td>435.0</td><td>1.0</td><td>8.0%</td><td>53375</td><td>441.0</td><td>442.0</td><td>1.0</td></tr> </tbody> </table> | % Pyrite | SAMPLE #   | From (m) | To (m)   | Length (m) | % Pyrite | SAMPLE #   | From (m) | To (m) | Length (m) | 5.0% | 53362 | 428.0 | 429.0 | 1.0 | 0.5% | 53369 | 435.0 | 436.0 | 1.0 | 5.0% | 53363 | 429.0 | 430.0 | 1.0 | 3.0% | 53370 | 436.0 | 437.0 | 1.0 | 3.0% | 53364 | 430.0 | 431.0 | 1.0 | 8.0% | 53371 | 437.0 | 438.0 | 1.0 | 2.0% | 53365 | 431.0 | 432.0 | 1.0 | 3.0% | 53372 | 438.0 | 439.0 | 1.0 | 8.0% | 53366 | 432.0 | 433.0 | 1.0 | 3.0% | 53373 | 439.0 | 440.0 | 1.0 | 0.5% | 53367 | 433.0 | 434.0 | 1.0 | 3.0% | 53374 | 440.0 | 441.0 | 1.0 | 1.0% | 53368 | 434.0 | 435.0 | 1.0 | 8.0% | 53375 | 441.0 | 442.0 | 1.0 |
| % Pyrite               | SAMPLE #         | From (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | To (m)   | Length (m) | % Pyrite | SAMPLE # | From (m)   | To (m)   | Length (m) |          |        |            |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |
| 5.0%                   | 53362            | 428.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 429.0    | 1.0        | 0.5%     | 53369    | 435.0      | 436.0    | 1.0        |          |        |            |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |
| 5.0%                   | 53363            | 429.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 430.0    | 1.0        | 3.0%     | 53370    | 436.0      | 437.0    | 1.0        |          |        |            |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |
| 3.0%                   | 53364            | 430.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 431.0    | 1.0        | 8.0%     | 53371    | 437.0      | 438.0    | 1.0        |          |        |            |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |
| 2.0%                   | 53365            | 431.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 432.0    | 1.0        | 3.0%     | 53372    | 438.0      | 439.0    | 1.0        |          |        |            |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |
| 8.0%                   | 53366            | 432.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 433.0    | 1.0        | 3.0%     | 53373    | 439.0      | 440.0    | 1.0        |          |        |            |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |
| 0.5%                   | 53367            | 433.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 434.0    | 1.0        | 3.0%     | 53374    | 440.0      | 441.0    | 1.0        |          |        |            |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |
| 1.0%                   | 53368            | 434.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 435.0    | 1.0        | 8.0%     | 53375    | 441.0      | 442.0    | 1.0        |          |        |            |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |
| 423.0 – 464.0<br>con't |                  | <p><b>LITHOLOGY:</b> Mineralized breccia as previously described. However, the silicification in this interval is much darker than that above and immediately below.</p> <p><b>COLOUR:</b> N/A</p> <p><b>PRIMARY STRUCTURE:</b> N/A</p> <p><b>TECTONIC STRUCTURE:</b> N/A</p> <p><b>GENERAL ALTERATION:</b> N/A</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |            |          |          |            |          |            |          |        |            |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |      |       |       |       |     |

**From To**  
**Meters**

423.0 – 464.0  
con't

**MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:**

Note: Samples 53382 and 53383 – dark grey sulphides Cpy?  
Samples 53384 to 53389 – dark greyish sulphides Cpy?

| % Pyrite | SAMPLE # | From (m) | To (m) | Length (m) | % Pyrite | SAMPLE # | From (m) | To (m) | Length (m) |
|----------|----------|----------|--------|------------|----------|----------|----------|--------|------------|
| 1.0%     | 53376    | 442.0    | 443.0  | 1.0        | 20.0%    | 53383    | 449.0    | 450.0  | 1.0        |
| 5.0%     | 53377    | 443.0    | 444.0  | 1.0        | 30.0%    | 53384    | 450.0    | 451.0  | 1.0        |
| 5.0%     | 53378    | 444.0    | 445.0  | 1.0        | 15.0%    | 53385    | 451.0    | 452.0  | 1.0        |
| 8.0%     | 53379    | 445.0    | 446.0  | 1.0        | 25.0%    | 53386    | 452.0    | 453.0  | 1.0        |
| 10.0%    | 53380    | 446.0    | 447.0  | 1.0        | 10.0%    | 53387    | 453.0    | 454.0  | 1.0        |
| 8.0%     | 53381    | 447.0    | 448.0  | 1.0        | 10.0%    | 53388    | 454.0    | 455.0  | 1.0        |
| 10.0%    | 53382    | 448.0    | 449.0  | 1.0        | 10.0%    | 53389    | 455.0    | 456.0  | 1.0        |

**LITHOLOGY:** Mineralized, silicified breccia as previously described.

**COLOUR:** N/A

**PRIMARY STRUCTURE:** N/A

**TECTONIC STRUCTURE:** N/A

**GENERAL ALTERATION:** N/A

**MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:**

| % Pyrite | SAMPLE # | From (m) | To (m) | Length (m) |                               |
|----------|----------|----------|--------|------------|-------------------------------|
| 10.0%    | 53390    | 456.0    | 457.0  | 1.0        | Only rare dark grey sulphides |
| 5.0%     | 53391    | 457.0    | 458.0  | 1.0        |                               |
| 10.0%    | 53392    | 458.0    | 459.0  | 1.0        |                               |
| 5.0%     | 53393    | 459.0    | 460.0  | 1.0        |                               |
| 5.0%     | 53394    | 460.0    | 461.0  | 1.0        |                               |
| 5.0%     | 53395    | 461.0    | 462.0  | 1.0        |                               |
| 5.0%     | 53396    | 462.0    | 463.0  | 1.0        |                               |
| 5.0%     | 53397    | 463.0    | 464.0  | 1.0        |                               |

| From<br>Meters | To<br>Meters | LITHOLOGY: Porphyritic syenite dyke cuts core axis at 45°.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                          |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |                                                          |
|----------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------|--------|------------|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|----------------------------------------------------------|
| 464.0 – 467.5  |              | <p><b>COLOUR:</b> Light clayish green, with abundant green-rimmed light green feldspar crystallines, and with widely scattered large white crystallines.</p> <p><b>TEXTURE:</b> Porphyritic, 50% phaneritic feldspar in fine clay-like matrix. Most of the feldspar phenocrysts are euhedral and generally equi-crystalline. These feldspar are concentrically zoned by green sericite? Large (ranging between 1 x 2 cm to 1 x 4 cm in size) phenocrysts of white microcline feldspar are widely scattered through the dyke.</p> <p><b>TECTONIC STRUCTURE:</b> N/A</p> <p><b>GENERAL ALTERATION:</b> The dyke is totally kaolinized both matrix and phenocrysts.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/> <b>Note:</b> Samples 53398 to 53401 – rare disseminated pyrite.</p> <table> <thead> <tr> <th>SAMPLE #</th><th>From (m)</th><th>To (m)</th><th>Length (m)</th></tr> </thead> <tbody> <tr> <td>53398</td><td>464.0</td><td>465.0</td><td>1.0</td></tr> <tr> <td>53399</td><td>465.0</td><td>466.0</td><td>1.0</td></tr> <tr> <td>53400</td><td>466.0</td><td>467.0</td><td>1.0</td></tr> <tr> <td>53401</td><td>467.0</td><td>468.0</td><td>1.0 - this sample is 50% dyke and 50% silicified breccia</td></tr> </tbody> </table> | SAMPLE #                                                 | From (m) | To (m) | Length (m) | 53398 | 464.0 | 465.0 | 1.0 | 53399 | 465.0 | 466.0 | 1.0 | 53400 | 466.0 | 467.0 | 1.0 | 53401 | 467.0 | 468.0 | 1.0 - this sample is 50% dyke and 50% silicified breccia |
| SAMPLE #       | From (m)     | To (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Length (m)                                               |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |                                                          |
| 53398          | 464.0        | 465.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.0                                                      |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |                                                          |
| 53399          | 465.0        | 466.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.0                                                      |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |                                                          |
| 53400          | 466.0        | 467.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.0                                                      |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |                                                          |
| 53401          | 467.0        | 468.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.0 - this sample is 50% dyke and 50% silicified breccia |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |                                                          |
| 467.5 – 485.7  |              | <p><b>LITHOLOGY:</b> Intensely silicified breccia as described previously at 474.86 m – 10 cm thick syenite porphyritic dyke cut c/a at 52°.</p> <p><b>COLOUR:</b> Generally mottled light grey and grey.</p> <p><b>PRIMARY STRUCTURE:</b> N//A</p> <p><b>TECTONIC STRUCTURE:</b> N/A</p> <p><b>GENERAL ALTERATION:</b> N/A</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |       |       |       |                                                          |



| From<br>Meters         | To       | Note: Samples 53416 to 53419 – silicified breccia – see previous page. |          |        |            |          |          |          |        |            |  |
|------------------------|----------|------------------------------------------------------------------------|----------|--------|------------|----------|----------|----------|--------|------------|--|
| 485.7 – 509.0<br>con't | % Pyrite | SAMPLE #                                                               | From (m) | To (m) | Length (m) | % Pyrite | SAMPLE # | From (m) | To (m) | Length (m) |  |
|                        | 7.0%     | 53416                                                                  | 482.0    | 483.0  | 1.0        | 15.0%    | 53423    | 489.0    | 490.0  | 1.0        |  |
|                        | 5.0%     | 53417                                                                  | 483.0    | 484.0  | 1.0        | 10.0%    | 53424    | 490.0    | 491.0  | 1.0        |  |
|                        | 10.0%    | 53418                                                                  | 484.0    | 485.0  | 1.0        | 30.0%    | 53425    | 491.0    | 492.0  | 1.0        |  |
|                        | 5.0%     | 53419                                                                  | 485.0    | 486.0  | 1.0        | 8.0%     | 53426    | 492.0    | 493.0  | 1.0        |  |
|                        | 2.0%     | 53420                                                                  | 486.0    | 487.0  | 1.0        | 40.0%    | 53427    | 493.0    | 494.0  | 1.0        |  |
|                        | 5.0%     | 53421                                                                  | 487.0    | 488.0  | 1.0        | 30.0%    | 53428    | 494.0    | 495.0  | 1.0        |  |
|                        | 30.0%    | 53422                                                                  | 488.0    | 489.0  | 1.0        | 15.0%    | 53429    | 495.0    | 496.0  | 1.0        |  |

**LITHOLOGY:** Heterolithic breccia continuous as previously described.

**COLOUR:** N/A

**PRIMARY STRUCTURE:** N/A

**TECTONIC STRUCTURE:** N/A

**GENERAL ALTERATION:** N/A

**MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:**

| % Pyrite | SAMPLE # | From (m) | To (m) | Length (m) |                                         |
|----------|----------|----------|--------|------------|-----------------------------------------|
| 45.0%    | 53430    | 496.0    | 497.0  | 1.0        | Some 30 cm thick bands of 60% pyrite    |
| 30.0%    | 53431    | 497.0    | 498.0  | 1.0        | Some 10 cm thick bands of 60% pyrite    |
| 25.0%    | 53432    | 498.0    | 499.0  | 1.0        | Some 20 cm thick bands of 60% pyrite    |
| 10.0%    | 53433    | 499.0    | 500.0  | 1.0        |                                         |
| 10.0%    | 53434    | 500.0    | 501.0  | 1.0        |                                         |
| 15.0%    | 53435    | 501.0    | 502.0  | 1.0        |                                         |
| 45.0%    | 53436    | 502.0    | 503.0  | 1.0        | Some 30 cm thick bands of 60% pyrite    |
| 30.0%    | 53437    | 503.0    | 504.0  | 1.0        | Some 10 cm thick bands of 60% pyrite    |
| 15.0%    | 53438    | 504.0    | 505.0  | 1.0        |                                         |
| 40.0%    | 53439    | 505.0    | 506.0  | 1.0        | Some 20-30 cm thick bands of 60% pyrite |
| 40.0%    | 53440    | 506.0    | 507.0  | 1.0        | Some 10 cm thick bands of 60% pyrite    |
| 15.0%    | 53441    | 507.0    | 508.0  | 1.0        | Disseminated pyrite                     |
| 10.0%    | 53442    | 508.0    | 509.0  | 1.0        | Disseminated pyrite                     |

| From<br>Meters | To<br>Meters | LITHOLOGY: Fault gouge and brecciated sediments.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |
|----------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|--------|------------|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|
| 509.0 – 512.0  |              | <p><b>COLOUR:</b> Grey mud and sediments.</p> <p><b>PRIMARY STRUCTURE:</b> Destroyed by faulting.</p> <p><b>TECTONIC STRUCTURE:</b> Fault cut c/a at 15°.</p> <p><b>GENERAL ALTERATION:</b> N/A</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Brecciated sediments, syenite and fault gouge. Pyrite is rare.</p> <table> <thead> <tr> <th>SAMPLE #</th><th>From (m)</th><th>To (m)</th><th>Length (m)</th></tr> </thead> <tbody> <tr> <td>53443</td><td>509.0</td><td>510.0</td><td>1.0</td></tr> <tr> <td>53444</td><td>510.0</td><td>511.0</td><td>1.0</td></tr> <tr> <td>53445</td><td>511.0</td><td>512.0</td><td>1.0</td></tr> </tbody> </table> | SAMPLE #   | From (m) | To (m) | Length (m) | 53443 | 509.0 | 510.0 | 1.0 | 53444 | 510.0 | 511.0 | 1.0 | 53445 | 511.0 | 512.0 | 1.0 |
| SAMPLE #       | From (m)     | To (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Length (m) |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |
| 53443          | 509.0        | 510.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.0        |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |
| 53444          | 510.0        | 511.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.0        |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |
| 53445          | 511.0        | 512.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.0        |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |
| 512.0 – 545.5  |              | <p><b>LITHOLOGY:</b> Porphyritic syenite cut core axis at top contact at 15° fault contact. Basal contact at 43° to c/a. Some shearing at 70° to c/a. Base marked by 50 cm of partly silicified fault gouge.</p> <p><b>COLOUR:</b> Light clayish green. Light green, dark green zoned feldspar, with large white phenocrysts.</p> <p><b>TEXTURE:</b> Porphyritic, 50% phaneritic feldspar in fine sericitic clay-like matrix. This dyke is the same as described at 464.0 m to 467.5 m.</p> <p><b>TECTONIC STRUCTURE:</b> Altered to chlorite</p> <p><b>GENERAL ALTERATION:</b> The dyke is totally sericitized and kaolinized with chlorite after amphibole.</p>                    |            |          |        |            |       |       |       |     |       |       |       |     |       |       |       |     |







| From<br>Meters | To<br>Meters | LITHOLOGY: Argillite interbedded siltstone and quartzite – Middle Aldridge Formation. |                                                                                                                                                                                                                                  |        |            |          |          |        |            |
|----------------|--------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|----------|----------|--------|------------|
| 572.0 – 585.0  |              | COLOUR:                                                                               | Light grey siltstone-quartzite, dark grey argillites.                                                                                                                                                                            |        |            |          |          |        |            |
|                |              | PRIMARY STRUCTURE:                                                                    | Thin to medium-bedded. Beds are highly distorted due to tectonism.                                                                                                                                                               |        |            |          |          |        |            |
|                |              | TECTONIC STRUCTURE:                                                                   | Weak foliation at 34° to c/a. Bedding 50° to c/a.                                                                                                                                                                                |        |            |          |          |        |            |
|                |              | GENERAL ALTERATION:                                                                   | Beds are generally silicified, weakly chloritic, with some late sericitization.                                                                                                                                                  |        |            |          |          |        |            |
|                |              | <b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b>                     |                                                                                                                                                                                                                                  |        |            |          |          |        |            |
|                |              | Note: Samples 53506 to 53518 – pyrite weakly disseminated throughout this unit.       |                                                                                                                                                                                                                                  |        |            |          |          |        |            |
|                |              | SAMPLE #                                                                              | From (m)                                                                                                                                                                                                                         | To (m) | Length (m) | SAMPLE # | From (m) | To (m) | Length (m) |
|                |              | 53506                                                                                 | 572.0                                                                                                                                                                                                                            | 573.0  | 1.0        | 53512    | 578.0    | 579.0  | 1.0        |
|                |              | 53507                                                                                 | 573.0                                                                                                                                                                                                                            | 574.0  | 1.0        | 53513    | 579.0    | 580.0  | 1.0        |
|                |              | 53508                                                                                 | 574.0                                                                                                                                                                                                                            | 575.0  | 1.0        | 53514    | 580.0    | 581.0  | 1.0        |
|                |              | 53509                                                                                 | 575.0                                                                                                                                                                                                                            | 576.0  | 1.0        | 53515    | 581.0    | 582.0  | 1.0        |
|                |              | 53510                                                                                 | 576.0                                                                                                                                                                                                                            | 577.0  | 1.0        | 53516    | 582.0    | 583.0  | 1.0        |
|                |              | 53511                                                                                 | 577.0                                                                                                                                                                                                                            | 578.0  | 1.0        | 53517    | 583.0    | 584.0  | 1.0        |
|                |              |                                                                                       |                                                                                                                                                                                                                                  |        |            | 53518    | 584.0    | 585.0  | 1.0        |
| 585.0 – 594.0  |              | LITHOLOGY:                                                                            | Quartzite.                                                                                                                                                                                                                       |        |            |          |          |        |            |
|                |              | COLOUR:                                                                               | Light greenish-grey in part, and white with dark grey mottling.                                                                                                                                                                  |        |            |          |          |        |            |
|                |              | PRIMARY STRUCTURE:                                                                    | Thick to very thick bedded? Bedding generally destroyed by hydrothermal alteration.                                                                                                                                              |        |            |          |          |        |            |
|                |              | TECTONIC STRUCTURE:                                                                   | N/A                                                                                                                                                                                                                              |        |            |          |          |        |            |
|                |              | GENERAL ALTERATION:                                                                   | Partly intensely silicified with a light overprinting of chlorite. Partly intensely albited from 591.0 m. Late dolomite/rhombs are disseminated throughout the albited zone. Some late sericite alteration throughout this unit. |        |            |          |          |        |            |

| From<br>Meters | To<br>Meters | <b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b>                                                                                                     |                 |               |
|----------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|
| 585.0 – 594.0  | con't        | <b>Note:</b> Samples 53519 to 53524 – weakly disseminated pyrite in silicified zone.<br>Sample 53525 – Intense albitization with finely disseminated black sulphides. |                 |               |
|                |              | <b>SAMPLE #</b>                                                                                                                                                       | <b>From (m)</b> | <b>To (m)</b> |
|                |              | 53519                                                                                                                                                                 | 585.0           | 586.0         |
|                |              | 53520                                                                                                                                                                 | 586.0           | 587.0         |
|                |              | 53521                                                                                                                                                                 | 587.0           | 588.0         |
|                |              | 53522                                                                                                                                                                 | 588.0           | 589.0         |
|                |              | 53523                                                                                                                                                                 | 589.0           | 590.0         |
|                |              | 53524                                                                                                                                                                 | 590.0           | 591.0         |
|                |              | 53525                                                                                                                                                                 | 591.0           | 592.0         |
| 594.0 – 601.65 |              | <b>LITHOLOGY:</b> Mainly argillite.                                                                                                                                   |                 |               |
| END OF<br>HOLE |              | <b>COLOUR:</b> Light grey to dark grey.                                                                                                                               |                 |               |
|                |              | <b>PRIMARY STRUCTURE:</b> Destroyed.                                                                                                                                  |                 |               |
|                |              | <b>TECTONIC STRUCTURE:</b> Generally brecciated. Breccia clasts are generally large +5 cm in size. Matrix is generally argillite.                                     |                 |               |
|                |              | <b>GENERAL ALTERATION:</b> Regional.                                                                                                                                  |                 |               |
|                |              | <b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b>                                                                                                     |                 |               |
|                |              | <b>SAMPLE #</b>                                                                                                                                                       | <b>From (m)</b> | <b>To (m)</b> |
|                |              | 53526                                                                                                                                                                 | 592.0           | 593.0         |
|                |              | 53527                                                                                                                                                                 | 593.0           | 594.0         |
|                |              | END OF HOLE                                                                                                                                                           |                 |               |

## DRILL LOG RECORD

|                         |                      |                                                                                                                                                                                                                                                                                                                        |           |                              |                                                           |
|-------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------|-----------------------------------------------------------|
| <b>PROPERTY:</b>        | <b>Z E U S</b>       | <b>HORI. COMP:</b>                                                                                                                                                                                                                                                                                                     | 190.6 m   | <b>HOLE #:</b>               | <b>Z-08-2</b>                                             |
| <b>LOCATION:</b>        |                      | <b>VERT. COMP:</b>                                                                                                                                                                                                                                                                                                     | 293.4 m   | <b>LENGTH:</b>               | <b>349.89 meters</b>                                      |
| COMMENCED:              | June 19, 2008        | CORR. DIP:                                                                                                                                                                                                                                                                                                             |           | DRILL CONTRACTOR:            | F.B. Drilling                                             |
| COORDS: Long.           | Lat.                 | TRUE BEARING:                                                                                                                                                                                                                                                                                                          |           | CORE SIZE:                   | NQ                                                        |
| COORDS: UTM (E) 0575755 | (N) 5482827N         | % RECOVERY:                                                                                                                                                                                                                                                                                                            |           | CASING:                      | 3.04 m                                                    |
| COORDS: Grid (E)        | (N)                  | LOGGED DATE:                                                                                                                                                                                                                                                                                                           | June 2008 | CORE STORAGE:                | Vine Property                                             |
| ELEVATION:              | ~1570 m              | COLLAR: Dip: -60°                                                                                                                                                                                                                                                                                                      | Azi: 170° | LOGGED BY:                   | D.L. Pighin                                               |
| <b>OBJECTIVE:</b>       |                      |                                                                                                                                                                                                                                                                                                                        |           |                              |                                                           |
| <b>SURVEYS:</b>         | Depth:               | Dip:                                                                                                                                                                                                                                                                                                                   | Azi:      | Type:<br>Azi:<br><br>165.7 m | Additional:<br>Surveys      Depth: 258.3      Dip: 55.1 ° |
| <b>From<br/>Meters</b>  | <b>To<br/>Meters</b> | <b>LITHOLOGY:</b> Lower CRESTON FORMATION. Mainly argillites with rare siltstone beds, and very rare quartzite beds.                                                                                                                                                                                                   |           |                              |                                                           |
| 3.04 – 82.6             |                      | <b>COLOUR:</b> Argillite is light green banded darker green and grey, thinly banded light grey. Quartzites and siltstones are light green to light grey.                                                                                                                                                               |           |                              |                                                           |
|                         |                      | <b>PRIMARY STRUCTURE:</b> Thin to very thin-bedded, rarely medium bedded. Bedding is sharp, generally wavy, but flat locally. Locally beds are strongly distorted by tectonism. Bedding to c/a at 11.5 m = 55°; at 39.0 m = 60°; at 70.5 m = 60°.                                                                      |           |                              |                                                           |
|                         |                      | <b>TECTONIC STRUCTURE:</b> At 34.5 m, 10 cm thick gouge-filled shear zone cuts 56° at a low angle to bedding. At 35.2, 20 cm thick zone of fault gouge cut core at 50°; at 40.7 m 40 cm of fault gouge cuts core at 50° at acute angle. Bedding 70.80 m to 75.7 m scattered thin zones of fault gouge cut c/a. at 21°. |           |                              |                                                           |
|                         |                      | <b>GENERAL ALTERATION:</b> Regional.                                                                                                                                                                                                                                                                                   |           |                              |                                                           |
|                         |                      | <b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br>Pyrite occurs in widely scattered, thin quartz-calcite ptygmatic veinlets rarely more than 5 cm thick. Between 53.0 m and 59.0 m rare specks of chalcopyrite associated with ptygmatic veinlets.                                                  |           |                              |                                                           |

| From Meters   | To Meters | LITHOLOGY: Intensely foliated argillite and minor siltstone. "Fault Zone?".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 82.6 – 115.0  |           | <p><b>COLOUR:</b> Light greenish-grey with white veinlets and patches.</p> <p><b>PRIMARY STRUCTURE:</b> Destroyed by tectonics.</p> <p><b>TECTONIC STRUCTURE:</b> Fault zone from 82.6 m to 115.0 m, foliation to core axis at <math>54^{\circ}</math>, small scale recumbent drag folds with axial planes that are parallel to the foliation. Foliation is sub-parallel to bedding at <math>68^{\circ}</math> to c/a. Argillite beds are lenticular and boudinaged. Locally there are thin bands of breccia developed along the plane of foliation.</p> <p><b>GENERAL ALTERATION:</b> Mainly just regional, but there are scattered bands of late albitization, rarely more than 50 cm thick.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Late pygmy, thin quartz-calcite veins are abundantly scattered throughout the fault zone; these veins rarely host pyrite. Pyrite disseminated and thin lenses are widely scattered throughout the foliated argillite. Weak pyrite and pyrrhotite mineralization occur within the bands of albitization. Only very rare specks of chalcopyrite.</p> |
| 115.0 – 171.1 |           | <p><b>LITHOLOGY:</b> Siltstone beds with 1 cm to 5 cm argillite partings, with thicker 'black argillite' units from 130.7 m to 132.8 m and from 142.64 m to 143.7 m.</p> <p><b>COLOUR:</b> Siltstone beds are light grey with light greenish tinge. Argillite beds are black with a fine grey parallel lineation.</p> <p><b>PRIMARY STRUCTURE:</b> Generally thin to medium-bedded, some thick beds of siltstone. Bedding is sharp and generally very distorted by tectonism? Siltstone beds are generally fine-grained. Argillite interbeds are very finely parallel laminated, but are commonly highly distorted by tectonic deformation.</p> <p><b>TECTONIC STRUCTURE:</b> Weakly crackle brecciated throughout.</p> <p><b>GENERAL ALTERATION:</b> Siltstone beds are commonly silicified with late chlorite developed along fractures.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Pyrite is commonly weakly disseminated in all the black argillite units.</p>                                                                                                                           |

| From<br>Meters | To<br>Meters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 171.0 – 178.0  | <p><b>LITHOLOGY:</b> Argillite.</p> <p><b>COLOUR:</b> Mainly dark grey, minor light grey interbeds.</p> <p><b>PRIMARY STRUCTURE:</b> Mainly thin-bedded, rare thick beds. Beds are highly distorted by tectonism and by soft deformation. Beds are boudinaged and microfolded.</p> <p><b>TECTONIC STRUCTURE:</b> N/A</p> <p><b>GENERAL ALTERATION:</b> Regional.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Rare pyrite.</p> <hr/>                                                                                                                                                                                                                                                                                                                                               |
| 178.0 – 184.0  | <p><b>LITHOLOGY:</b> FAULT ZONE consisting of argillite and silty argillite breccia in a semi-lithified breccia. Some irregular quartz veins.</p> <p><b>COLOUR:</b> Shades of light grey and dark grey.</p> <p><b>PRIMARY STRUCTURE:</b> N/A</p> <p><b>TECTONIC STRUCTURE:</b> Fault zone cuts core axis at 63° (dominant foliation).</p> <p><b>GENERAL ALTERATION:</b> Strongly sericitized with scattered quartz veins and veinlets.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Pyrite is abundantly disseminated throughout the sericitic foliated argillite. Pyrite is weakly disseminated in quartz veins and veinlets. Arsenopyrite occurs locally but is rare. Pyrite in this interval would average 10% by volume.</p> <p>Sampled – see attached sample sheet – S-1.</p> |

| From<br>Meters | To<br>Meters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| 184.0 – 189.4  | <p><b>LITHOLOGY:</b> Siltstone interbedded argillite.</p> <p><b>COLOUR:</b> Light grey siltstone, dark grey white streaked argillite.</p> <p><b>PRIMARY STRUCTURE:</b> Thin bedded. Bedding is indistinct from foliation.</p> <p><b>TECTONIC STRUCTURE:</b> Strongly foliated at 50° to c/a.</p> <p><b>GENERAL ALTERATION:</b> Sericitic with rare patches of intense silicification. Foliation is cut by late pygmy quartz-pyrite veinlets.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Pyrite occurs in the siltstone beds mainly in association with intense silicification. Pyrite occurs in argillite beds as disseminations in the argillite and pygmy veinlets.<br/>Interval is sampled – see attached sample sheet - S-1 –</p> <hr/>                             |
| 189.4 – 204.0  | <p><b>LITHOLOGY:</b> Quartzite to 203.0 m. Quartz-pyrite vein 203.0 m to 204.0 m.</p> <p><b>COLOUR:</b> Light whitish-grey to white.</p> <p><b>PRIMARY STRUCTURE:</b> Thick-bedded to massive; bedding indistinct, medium to fine-grained.</p> <p><b>TECTONIC STRUCTURE:</b> No foliation in these beds.</p> <p><b>GENERAL ALTERATION:</b> Intensely silicified and sericitized.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Pyrite is very weakly scattered throughout - less than 0.5% pyrite by volume.<br/>Some widely scattered quartz-pyrite veins, rarely more than 4 cm in size, generally cut core at between 23° and 27°.<br/>203.0 m to 204.0 m – sheared quartz-pyrite vein cuts core at 70°.<br/>Interval is sampled – see attached sample sheet – S-1.</p> |

| From<br>Meters | To<br>Meters |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| 204.0 – 213.0  |              | <p><b>LITHOLOGY:</b> Siltstone with minor thin interbeds of argillite.</p> <p><b>COLOUR:</b> Siltstone is light greenish white; argillite is wispy bonded dark grey.</p> <p><b>PRIMARY STRUCTURE:</b> Medium to very thin-bedded. Bedding is sharp but highly distorted due to tectonism. Generally, primary sedimental structures destroyed by alteration and tectonics.</p> <p><b>TECTONIC STRUCTURE:</b> Argillite beds are strongly foliated with small scale folds developed along the plane of foliation. Foliation cuts c/a at 48°.</p> <p><b>GENERAL ALTERATION:</b> Siltstone beds are strongly sericitic with minor patches of silicification.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>           Pyrite is weakly disseminated in sericitic siltstone, less than 0.5% pyrite. Pyrite and lesser chalcopyrite occurs in widely scattered quartz veins parallel to foliation.<br/>           Pyrite also occurs in thin ptygmatic quartz veins which are later than the foliation.</p> <p>See attached sample sheet – S-2.</p> <hr/> |
| 213.0 – 216.8  |              | <p><b>LITHOLOGY:</b> Quartz-pyrite vein. Vein cuts c/a between 50° to 60°.</p> <p><b>COLOUR:</b> Smokey-coloured quartz.</p> <p><b>PRIMARY STRUCTURE:</b> N/A</p> <p><b>TECTONIC STRUCTURE:</b> N/A</p> <p><b>GENERAL ALTERATION:</b> N/A</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>           Quartz vein hosts coarsely crystalline pyrite and minor chalcopyrite; vein contains 40% pyrite by volume.</p> <p>See attached sample sheet – S-2.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| From Meters   | To Meters |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| 216.8 – 226.4 |           | <p><b>LITHOLOGY:</b> Argillite, rare siltstone interbeds. 222.0 m to 222.3 m – strongly foliated, sericitized, kaolinized <u>Syenite Dyke</u> parallel to foliation.</p> <p><b>COLOUR:</b> Light green to light greenish-grey.</p> <p><b>PRIMARY STRUCTURE:</b> Medium to thin-bedded. Bedding is distinct and is strongly distorted by tectonism. Bedding to c/a 25°.</p> <p><b>TECTONIC STRUCTURE:</b> The sediments are weakly to strongly foliated; at 58° to c/a. From 222.0 m to 223.5 m beds are strongly brecciated. Scattered 1 cm thick gouge –filled shears at 70° to 43°.</p> <p><b>GENERAL ALTERATION:</b> Generally regional alteration - except from 222.3 m to 224.0 m, generally silicified.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Pyrite is weakly disseminated throughout sediment. Pyrite also occurs in widely scattered quartz veinlets, rarely more than 1 cm thick. Late pygmy veinlets are common; they also host rare pyrite. This hole interval at 216.8 m to 226.4 m might average less than 0.5% pyrite.</p> <p>See attached sample sheet – S-2.</p> |
| 226.4 – 231.4 |           | <p><b>LITHOLOGY:</b> Mainly smoky quartz and pyrite with rare 10-20 cm inclusions of phyllitic argillite. Quartz-pyrite vein cuts core at 51° Parallel to the dominant foliation.</p> <p><b>COLOUR:</b> Smoky grey mottled by pyrite.</p> <p><b>PRIMARY STRUCTURE:</b> N/A</p> <p><b>TECTONIC STRUCTURE:</b> Vein is cut by a number of thin gouge-filled shear zones that cut core axis at 51°, rarely more than 5 cm thick. Strongest shear zone is 15 cm thick at 227.0 m.</p> <p><b>GENERAL ALTERATION:</b> N/A</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Quartz vein hosts coarse crystalline and fine crystalline pyrite. Some chalcopyrite occurs disseminated in the pyrite-rich zones.</p> <p>See attached sample sheet – . . .</p>                                                                                                                                                                                                                                                                                                                                          |

| From<br>Meters | To<br>Meters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| 231.4 – 233.2  | <p><b>LITHOLOGY:</b> Argillite.</p> <p><b>COLOUR:</b> Light green, banded grey.</p> <p><b>PRIMARY STRUCTURE:</b> Very thin-bedded. Bedding is sharp but highly distorted. Bedding to c/a = 52°.</p> <p><b>TECTONIC STRUCTURE:</b> N/A</p> <p><b>GENERAL ALTERATION:</b> Regional.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Widely scattered bedding, parallel quartz-pyrite veins locally with chalcopyrite, but this interval has a very low sulphide content.<br/>See attached sample sheet – S-3 for details.</p>                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 233.2 – 237.2  | <p><b>LITHOLOGY:</b> Mainly smoky quartz and pyrite with scattered 10- 20 cm thick bands of pyritic phyllitic argillite. This interval is 60% quartz-pyrite and 40% pyritic phyllitic. At <u>236.0 to 236.0</u>, highly foliated and argillitized feldsite dyke?</p> <p><b>COLOUR:</b> Smoky grey, mottled by metallic pyrite.</p> <p><b>PRIMARY STRUCTURE:</b> N/A</p> <p><b>TECTONIC STRUCTURE:</b> Foliation to c/a = 50°.</p> <p><b>GENERAL ALTERATION:</b> Phyllites are altered to thin alternating layers of sericite and quartz-pyrite.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Quartz-pyrite-chalcopyrite veins are deposited parallel to foliation an/or bedding.<br/>This interval, 233.2 m to 237.2 m, might average 25% to 30% pyrite. In the quartz veins, pyrite is abundant and coarsely crystalline and brecciated. Chalcopyrite is relatively abundant locally.<br/>See attached sample sheet – S-3 for details.</p> |

| From<br>Meters   | To<br>Meters |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| 237.2 –<br>248.6 |              | <p><b>LITHOLOGY:</b> Quartzite with minor argillite interbeds.</p> <p><b>COLOUR:</b> Quartzites are light bluish-grey; argillites are wispy banded shades of grey and dark grey.</p> <p><b>PRIMARY STRUCTURE:</b> Mainly thick beds with minor, thin interbeds of argillite. Bedding is sharp but highly distorted. Quartzites are very fine-grained; argillite beds are generally highly distorted. Bedding to core @ 241.4m = 75°.</p> <p><b>TECTONIC STRUCTURE:</b> Quartzite beds are all finely crackle brecciated; argillite beds are commonly boudinaged and distorted.</p> <p><b>GENERAL ALTERATION:</b> Quartzite beds are intensely silicified with late green chlorite lining crackle breccias fractures.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Pyrite and rare chalcopyrite is weakly disseminated in the quartzite beds, but less than 0.5% by volume.</p> <p>See attached sample sheet – S- for details.</p>                                           |
| 248.6 –<br>251.6 |              | <p><b>LITHOLOGY:</b> Quartzite interbedded argillite.</p> <p><b>COLOUR:</b> Light grey and black.</p> <p><b>PRIMARY STRUCTURE:</b> Medium to thin-bedded. Bedding is distinct and highly distorted by tectonics. Most of the primary sedimentalological features are totally destroyed by tectonics and alteration.</p> <p><b>TECTONIC STRUCTURE:</b> Crackle brecciated throughout. Both quartzite and argillite beds are brecciated. Argillite beds are boudinaged, foliated and locally drag folded.</p> <p><b>GENERAL ALTERATION:</b> Quartzite beds are intensely silicified with weak chloritization along some of the crackle breccia fractures.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>Widely scattered, thin quartz vein 1-4 mm, and rarely 20 mm, are scattered throughout this interval. These veins carry only weak pyritization with some chalcopyrite locally. The overall sulphide content of this interval is very low, less than 0.5% by volume.</p> |

| From<br>Meters   | To<br>Meters |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| 251.6 –<br>260.5 |              | <p><b>LITHOLOGY:</b> Quartzite interbedded siltstone and argillite. At 260.14 m to 260.5 m thin argillitized syenite dyke.</p> <p><b>COLOUR:</b> Light greenish-grey siltstone-quartzite. Black argillite.</p> <p><b>PRIMARY STRUCTURE:</b> Thin to medium-bedded beds are sharp – in some cases beds are flat, but most are wavy. Siltstone and quartzite are fine-grained.</p> <p><b>TECTONIC STRUCTURE:</b> Thin gouge-filled shear zone cuts core at 70° at 254.0 m.</p> <p><b>GENERAL ALTERATION:</b> Siltstone and quartzites are intensely silicified with late green sericitization. Argillite beds are generally, mostly sericite and weakly foliated at 61°.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/> Pyrite is weakly disseminated throughout sediments and is best developed in argillite beds.<br/> Quartz veins and small lenses are developed along the plane of foliation. These veins are rarely more than 1-2 cm thick.<br/> At 258.0 a 5 cm thick vuggy quartz vein cuts core at 62° – host minor pyrite.</p>                                                                                                                                                                                                                                                                             |
| 260.5 –<br>297.0 |              | <p><b>LITHOLOGY:</b> Siltstone rhythmically interbedded with argillite.</p> <p><b>COLOUR:</b> Siltstone beds are a light green. Argillite beds are black with fine, light grey laminations.</p> <p><b>PRIMARY STRUCTURE:</b> Mainly thin to very thin-bedded. Bedding is distinct, generally wavy to distorted. Siltstone beds generally fine-grained and show no grading. Argillite interbeds are all finely parallel to wispy laminated. The argillite beds are commonly boudinaged and/or formed into ball and pillow structures. Bedding at 293.0 m is 74° to c/a.</p> <p><b>TECTONIC STRUCTURE:</b> Weakly foliated with minor brecciation at 42° to c/a; sediments are strongly deformed by small-scale drag folding.</p> <p><b>GENERAL ALTERATION:</b> Siltstone beds are strongly silicified, sericitized by light green sericite. Argillite beds are generally sericitic, light grey to white sericite with thin, wispy layers of green chlorite. Dark green chlorite form salvages along late quartz veinlets.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/> Pyrite is disseminated through the sediment in this interval. Disseminated pyrite is most abundant in argillite beds. Ptygmatic vuggy quartz veins are widely scattered throughout this interval. These veins also carry minor pyrite.</p> |

| From<br>Meters    | To<br>Meters |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 297.0 –<br>305.0  |              | <p><b>LITHOLOGY:</b> Argillite.</p> <p><b>COLOUR:</b> Mainly black with fine, wispy layers of green; rarely grye.</p> <p><b>PRIMARY STRUCTURE:</b> Medium to very thin-bedded; very finely-parallel laminated.</p> <p><b>TECTONIC STRUCTURE:</b> Locally strongly drag folded.</p> <p><b>GENERAL ALTERATION:</b> Chlorite forms late, very thin layers and wisps within the argillite. Chlorite also forms salvages along late quartz veinlets; locally sericite forms small whitish spots.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>           Pyrite is abundantly disseminated through the argillite beds.<br/>           Pyrite also occurs in widely scattered quartz veins rarely more than 2 cm thick. These veins generally cut c/a at 45°.<br/>           Pyrite also occurs in thin, irregular, vuggy ptygmatic veinlets.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 305.0 –<br>349.89 |              | <p><b>LITHOLOGY:</b> Siltstone and quartzite rhythmically interbedded argillite. This interval is 75% siltstone and quartzite and 25% argillite.</p> <p><b>COLOUR:</b> Siltstones-quartzites are light green; argillites are mainly black with a light green lineation.</p> <p><b>PRIMARY STRUCTURE:</b> Medium to thin-bedded siltstone-quartzite beds. Argillite interbeds are thin to very thin-bedded. Bedding is sharp and commonly flat, but is locally wavy to distorted. Siltstone and quartzite are fine grained, no evident grading. Argillite interbeds are finely-parallel and wispy laminated. At 311.3 m to 314.4 m – very thick bedded quartzite; 319.8 m to 325.4 m – very thick bedded quartzite. At 331.3 m to 349.89 m – medium to thick bedded quartzite. Bedding to core axis at 308.0 m = 58°; at 319.0 m = 70°; at 328.0 m = 70°; at 347.0 m = 75°.</p> <p><b>TECTONIC STRUCTURE:</b> Some minor small scale folding.</p> <p><b>GENERAL ALTERATION:</b> Siltstones and quartzites are intensely silicified with light green sericitization. Thin wisps and layers of chlorite occur scattered throughout argillite beds.</p> <p><b>MINERALIZATION AND ASSOCIATED ALTERATIONS, HOST STRUCTURE:</b><br/>           Pyrite is very weakly disseminated in the siltstone-quartzite and is weakly disseminated in argillite. Pyrite occurs in bedding-parallel quartz veins, rarely more than 1 or 2 cm thick. The largest vein from 318.8 m to 319.2 m hosts relatively abundant, coarsely-crystalline pyrite.<br/>           Thin, ptygmatic veins are common but widely scattered throughout this section. These veins also host minor pyrite; chlorite commonly form salvages along the veins.</p> |
| END<br>OF<br>HOLE |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**SAMPLING SHEETS FOR DRILL HOLE Z-08-2**

**ZEUS PROPERTY**

| <b><u>Sample Number</u></b> | <b><u>Interval Sampled</u></b> | <b><u>Length</u></b> |
|-----------------------------|--------------------------------|----------------------|
| 53528                       | 178.0-179.0m                   | 1.0m                 |
| 53529                       | 179.0-180.0                    | 1.0                  |
| 53531                       | 180.0-181.0                    | 1.0                  |
| 53532                       | 181.0-182.0                    | 1.0m                 |
| 53533                       | 182.0-183.0                    | 1.0                  |
| 53534                       | 183.0-184.0                    | 1.0m                 |
| 53535                       | 184.0-185.0                    | 1.0                  |
| 53536                       | 185.0-186.0                    | 1.0                  |
| 53537                       | 186.0-187.0                    | 1.0                  |
| 53538                       | 187.0-188.0                    | 1.0                  |
| 53539                       | 188.0-189.0                    | 1.0                  |
| 53540                       | 189.0-190.0                    | 1.0m                 |
| 53541                       | 190.0-191.0                    | 1.0                  |
| 53542                       | 191.0-192.0                    | 1.0                  |
| 53543                       | 192.0-193.0                    | 1.0                  |
| 53544                       | 193.0-194.0                    | 1.0                  |
| 53545                       | 194.0-195.0                    | 1.0                  |
| 53546                       | 195.0-196.0                    | 1.0                  |
| 53547                       | 196.0-197.0                    | 1.0                  |
| 53548                       | 197.0-198.0                    | 1.0                  |
| 53549                       | 198.0-199.0                    | 1.0                  |
| 53550                       | 199.0-200.0                    | 1.0                  |
| 53551                       | 200.0-201.0                    | 1.0                  |
| 53552                       | 201.0-202.0                    | 1.0                  |
| 53553                       | 202.0-203.0                    | 1.0                  |
| 53554                       | 203.0-204.0                    | 1.0m                 |
| 53555                       | 204.0-205.0                    | 1.0                  |
| 53556                       | 205.0-206.0                    | 1.0                  |
| 53557                       | 206.0-207.0                    | 1.0                  |
| 53558                       | 207.0-208.0                    | 1.0                  |
| 53559                       | 208.0-209.0                    | 1.0                  |
| 53560                       | 209.0-210.0                    | 1.0                  |
| 53561                       | 210.0-211.0                    | 1.0                  |
| 53562                       | 211.0-212.0                    | 1.0                  |
| 53563                       | 212.0-213.0                    | 1.0                  |
| 53564                       | 213.0-214.0                    | 1.0                  |
| 53565                       | 214.0-215.0                    | 1.0                  |
| 53566                       | 215.0-216.0                    | 1.0                  |
| 53567                       | 216.0-216.8                    | .8                   |
| 53568                       | 216.8-218.0                    | 1.2                  |

|       |             |       |
|-------|-------------|-------|
| 53569 | 218.0-219.0 | 1.0 m |
| 53570 | 219.0-220.0 | 1.0   |
| 53571 | 220.0-221.0 | 1.0   |
| 53572 | 221.0-222.0 | 1.0   |
| 53573 | 222.0-223.0 | 1.0   |
| 53574 | 223.0-224.0 | 1.0   |
| 53575 | 224.0-225.0 | 1.0   |
| 53576 | 223.0-226.4 | 3.4 m |
| 53577 | 222.4-227.4 | 1.0   |
| 53578 | 227.4-228.4 | 1.0   |
| 53579 | 228.4-229.4 | 1.0   |
| 53580 | 229.4-230.4 | 1.0   |
| 53581 | 230.4-231.4 | 1.0   |
| 53582 | 231.4-233.2 | 1.8 m |
| 53583 | 233.2-234.2 | 1.0   |
| 53584 | 234.2-235.2 | 1.0   |
| 53585 | 235.2-236.2 | 1.0   |
| 53586 | 236.2-237.2 | 1.0   |
| 53587 | 237.2-238.2 | 1.0   |
| 53588 | 238.2-239.2 | 1.0   |
| 53589 | 239.2-240.2 | 1.0   |
| 53590 | 240.2-241.2 | 1.0   |
| 53591 | 241.2-242.2 | 1.0   |
| 53592 | 242.2-243.2 | 1.0   |
| 53593 | 243.2-244.2 | 1.0   |
| 53594 | 244.2-245.2 | 1.0   |
| 53595 | 245.2-246.2 | 1.0   |
| 53596 | 246.2-247.2 | 1.0   |
| 53597 | 247.2-248.6 | 1.4 m |
| 53598 | 248.6-249.6 | 1.0   |
| 53599 | 249.6-250.6 | 1.0   |
| 53600 | 250.6-251.6 | 1.0   |

## DRILL HOLE RECORD

|                     |                                               |                      |                    |
|---------------------|-----------------------------------------------|----------------------|--------------------|
| <b>Hole No:</b>     | <b>Z-07-2</b>                                 | <b>Property:</b>     | <b>ZEUS</b>        |
| <b>Commenced:</b>   | Oct. 30, 2007                                 | <b>District:</b>     | Fort Steele        |
| <b>Completed:</b>   | Oct. 31, 2007                                 | <b>Owner:</b>        | Ruby Red Resources |
| <b>Coordinates:</b> | 575245E 5482285N                              | <b>Contractor:</b>   | F.B. Drilling Ltd. |
| <b>Core Size:</b>   | NQ2                                           | <b>Total Length:</b> | 160.44 m           |
| <b>Azimuth:</b>     | 118°                                          | <b>Logged by</b>     | P. Klewchuk        |
| <b>Corr. Dip:</b>   | -45°                                          |                      |                    |
| <b>Elevation:</b>   |                                               | <b>Date:</b>         | Oct. 31, 2007      |
| <b>Tests at:</b>    |                                               |                      |                    |
| <b>Objective:</b>   | Test Palmer Bar Fault and Gabbro/Below Gabbro |                      |                    |

| <b>Meters</b> | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 0 – 3.05      | CASING. NO CORE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| 3.05 – 26.5   | CHLORITIC ARGILLITE, minor QUARTZ VEINING<br>3.05 m – 4.4 m – Clay-altered, rusty from surface oxidation; only ~55 cm recovered.<br>Sheared and bedded at ~85° to c/a. Thin bedded.<br>4.4 m – 4.8 m – Quartz vein zone. Irregular, vuggy, pinkish-orange quartz vein up to 2.5 cm wide disrupt bedding. Veins range from bedding – sub-parallel to ~10° to c/a. Est. 65% quartz.<br>4.8 m – 26.5 m – Pale green chloritic argillite. Laminated and thin-bedded.<br>Cleavage is parallel to bedding at 75° -80° to c/a. Few lensey quartz veins, mostly bedding-parallel but a few cross-cutting. Local concentration of rusty quartz veins at 9.5 m – 9.65 m. Fine-grained disseminated pyrite is present in much of the argillite. |  |  |
| 26.5 – 39.9   | <b>Samples:</b><br>81597            4.4 m – 4.8 m.            0.4 m<br>81598            9.5 m – 9.65 m            0.15 m<br><br>QUARTZITE, minor SILTSTONE and ARGILLITE<br>Mainly white, light grey and pale green. Bedding is destroyed by cleavage and recrystallization but fabric is at ~80° to c/a. Appears to be extensively silicified, recrystallized with numerous light grey quartz veins that are bedding-parallel. Minor pyrite is present as fine disseminations, small blebs and local clusters of blebs.<br>32.95 m – 33.95 m has a bit more pyrite associated with and within quartz veins.<br>36.7 m – 38.8 m is more argillaceous, darker green, chloritic, and has more abundant pyrite.                         |  |  |

## DDH: Z-07-2

**Meters      Description**

39.9 con't.

**Samples:**

|       |                   |       |
|-------|-------------------|-------|
| 81599 | 32.95 m – 33.95 m | 1.0 m |
| 81600 | 38.0 m – 38.7 m   | 0.7 m |

39.9 – 49.75    **SHEARED ARGILLITE, SILTSTONE, minor QUARTZITE**  
 Light to medium grey-green, chloritic, locally darker green. Quite strongly sheared but with some relict bedding, both at  $75^{\circ}$  -  $80^{\circ}$  to c/a. A few zones are more intensely sheared and bedding is obliterated. Pyrite is present, irregularly distributed, disseminated and in small lenses and patches.

**Sample:**

|       |                 |                                                                             |
|-------|-----------------|-----------------------------------------------------------------------------|
| 81601 | 48.3 m – 49.2 m | 0.9 m (More intensely sheared with pyrite, clay seams, lensey vein quartz.) |
|-------|-----------------|-----------------------------------------------------------------------------|

49.75 – 52.9    **MAFIC SILL**

Dark green, fine to medium-grained, foliated at  $75^{\circ}$  -  $80^{\circ}$  to c/a. Lensey patches of light grey calcite occur through most of the sill. Contact at 49.75 m is in broken core and has an associated quartz vein 2-3 cm wide. Contact at 52.9 m is also in broken core and with a 12 mm wide quartz vein with fine disseminated pyrite.

52.9 – 65.7    **SHEARED SILTSTONE, ARGILLITE AND QUARTZITE**

Medium grey to pale green; noticeably less chloritic. Mixed lithologies, strongly sheared at  $70^{\circ}$  -  $80^{\circ}$  to c/a with bedding largely destroyed.

Pyrite is locally common near 54.8 m in darker grey-green (more chloritic) section; as irregular bedding, subparallel veins and lensey aggregates.

56.0 m to 56.4 m is a siliceous zone (quartzite?) with abundant magnetite and disseminated pyrite. Magnetite occurs in ragged patches that tend to be aligned parallel to shearing at  $\sim 70^{\circ}$  to c/a.

$\sim$ 80 cm core loss between 62.5 m and 65.7 m; may be mostly at 65.7 m, at gabbro contact.

**Sample:**

|       |                 |       |
|-------|-----------------|-------|
| 81602 | 56.0 m – 56.4 m | 0.4 m |
|-------|-----------------|-------|

65.7 – 103.6    **GABBRO**

Medium-dark green, medium and fine-grained.

65.7 m to about 70.0 m is sheared with distinct ‘foliation’ texture at  $\sim 70^{\circ}$  to c/a.

Core at 65.7 m is tapered, ground over and there may be up to 80 cm of core loss at contact, suggesting gabbro is altered and soft at contact.

70.0 m – is more massive but with textural variations. Numerous narrow zones are sheared at  $\sim 70^{\circ}$  to c/a. A few narrow, vuggy, rusty quartz veins are present; these tend to be at  $\sim 70^{\circ}$  to c/a and associated with local shearing.

## DDH: Z-07-2

| Meters                                                             | Description                                                                                                                                                                                               |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 103.6 con't.                                                       |                                                                                                                                                                                                           |
| 84.5 m – 96.8 m                                                    | has a number of epidote veins and elongate patches mostly at 20° -30° to c/a. Below 91.0 m sections of the core are more clay-altered, punky; core is soft; this is more strongly developed below 98.0 m. |
| 93.95 m – 94.05 m                                                  | Broken quartz vein at ~65° to c/a. Narrow zones of gabbro on each edge are dark orange-brown oxidized.                                                                                                    |
| 98.85 m – 99.95 m                                                  | is variably brecciated and sheared gabbro with about 5 quartz veins up to ~15 cm wide. Core is quite broken but fabric is at ~70° to c/a.                                                                 |
| Few smaller vuggy, rusty quartz veins between 101.8 m and 102.7 m. |                                                                                                                                                                                                           |
| 103.0 m – 103.6 m                                                  | – 4 to 5 quartz veins, rusty, vuggy, irregular with variably sheared gabbro. Bottom 20 cm is mostly quartz with ~6 cm of healed breccia at contact with underlying seds.                                  |

**Samples:**

|       |                   |        |
|-------|-------------------|--------|
| 81603 | 93.95 m – 94.05 m | 0.10 m |
| 81604 | 98.85 m – 99.95 m | 0.90 m |
| 81605 | 103.0 m – 103.6 m | 0.60 m |

## 103.6-160.44 SILTSTONE, ARGILLITE and QUARTZITE

Light to medium grey with a greenish tinge. Middle Aldridge Formation – seds are a bit bleached with quartzites showing the most discolouration. Bedding is typically at 60° -70° to c/a but there is considerable small-scale disruption of bedding; thickness varies from laminated to medium-thick.

139.2 m – 144.3 m has fragmental texture with angular (often slightly folded) fragments of laminated darker grey argillite in siltstone matrix.

Evidence of hydrothermal activity is evident in numerous small elongate vugs which have been developed by leaching. Some vugs are lightly coated with fine-grained pyrite. A few small quartz veins are present; commonly 4 mm to 4 cm wide; some are lensy and irregular, some are a bit vuggy. Most have minor py; locally there are a few grains of bornite or chalcopyrite.

157.85 m – 158.6 m is a cleavage-parallel quartz vein with a central 12 cm zoned pale grey-green felsite (?) which is cut by thin irregular light grey quartz veins. Minor py is present, more concentrated near contacts.

At 158.8 m a vuggy 3 cm wide cleavage-parallel quartz vein is associated with a stronger 2 cm wide shear zone. A few narrow fault zones are present.

At 126.7 m – 12 cm of bx siltstone and clay gouge with minor quartz appears to be at ~70° to c/a.

At 138.5 m – 15 cm of rubbly core; gravel, probably a fault.

Near 138.1 m – 2 narrow zones of broken, rubbly core may be a fault.

**Sample:**

|       |                    |        |
|-------|--------------------|--------|
| 81606 | 157.85 m – 158.6 m | 0.75 m |
|-------|--------------------|--------|

160.44 END OF HOLE

## DRILL HOLE RECORD

|                     |                                          |                      |                    |
|---------------------|------------------------------------------|----------------------|--------------------|
| <b>Hole No:</b>     | <b>Z-07-3</b>                            | <b>Property:</b>     | <b>ZEUS</b>        |
| <b>Commenced:</b>   | Nov. 1, 2007                             | <b>District:</b>     | Fort Steele        |
| <b>Completed:</b>   | Nov. 2, 2007                             | <b>Owner:</b>        | Ruby Red Resources |
| <b>Coordinates:</b> | 574773E 5481231N                         | <b>Location:</b>     |                    |
| <b>Core Size:</b>   | NQ2                                      | <b>Contractor:</b>   | F.B. Drilling Ltd. |
| <b>Azimuth:</b>     | 092°                                     | <b>Total Length:</b> | 68.12 m            |
| <b>Collar Dip:</b>  | -45°                                     | <b>Logged by:</b>    | P. Klewchuk        |
| <b>Elevation:</b>   |                                          | <b>Date:</b>         | Nov. 2, 2007       |
| <b>Tests at:</b>    |                                          |                      |                    |
| <b>Objective:</b>   | Test gold-bearing shear/quartz vein zone |                      |                    |

| <b>Meters</b> | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 – 4.57      | CASING. NO CORE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 4.57 – 14.6   | <p><b>ARGILLIC-ALTERED ARGILLITE and SILTSTONE</b><br/> Light to medium grey, brown and orange-brown; limonitic oxidized from surface weathering. Thin-bedded with a few med. beds and laminated zones. Bedding is at ~80° to c/a but is largely destroyed by cleavage and shearing at 75° -85° to c/a, parallel and sub-parallel to bedding. Extensively fractured with limonitic, mostly hairline fractures; very few zones of brecciation up to 1 cm wide. Narrow zones are more intensely sheared with a cataclastic to mylonitic texture.<br/> 13.9 m to 14.2 m is more sheared with some silicification and narrow chloritic-altered cataclastic breccia zones.<br/> 10.75 m to 11.5 m is less weathered; light grey mottled colour and silicified.<br/> At 13.25 m one narrow 2-3 mm wide band of 'hematite matrix breccia'; small clasts of white (albitized?) seds in reddish-black hematite; zone is cleavage-parallel.</p> |
| 14.6 – 25.0   | <p><b>SILICIFIED ZONE, minor SILTSTONE and ARGILLITE</b><br/> Mottled grey-green colour. Bedding is mostly destroyed by alteration but is locally recognizable and is thin and medium-bedded.<br/> Varyably sheared throughout with narrow sections strongly sheared with fabric at 75° -80° to c/a. Much of the interval is glassy textured, mottled to light hues of grey and green with bedding obliterated.<br/> Minor pyrite is present locally, usually in silicified zones but in more sheared sections as well. PbS occurs with pyrite in a 4-5 cm wide mottled silicified zone (quartz vein?) at 24.05 m.<br/> Purplish hematite is present in narrow zones at 14.7 m and 15.3 m – finely-disseminated in cleavage-parallel streaks with minor fine-grained pyrite.</p>                                                                                                                                                      |

## DDH: Z-07-3

| Meters       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 25.0 con't.  | Chlorite is common through much of the interval as streaks with disseminated pyrite in some more strongly sheared zones. Much of the pervasive patchy greenish discolouration may be due to chlorite.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
|              | <b>Sample:</b><br>81607      24.0 m – 24.7 m      0.7 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| 25.0 – 34.3  | ALTERED ARGILLITE and QUARTZITE<br>Mainly laminated and thin-bedded argillite with a few zones (20-25 cm thick) of altered, silicified quartzite.<br>25.0 m to about 29.6 m is oxidized, rusty. Argillites are sheared parallel and sub-parallel to bedding at 60° -80° to c/a. Colour is light, medium and darker blue grey with bleached quartzites commonly pale grey-green. Fine disseminated pyrite is common in some of the argillite. Chloritic streaks are present in all lithologies.<br>At 31.25 m a 12 cm bedding-parallel zone in darker blue-grey argillite is altered to grey clay – cleavage-parallel fault.<br>At 33.95 m and 34.1 m quartz veins are vuggy with pyrite.<br>Vein at 33.95 m is irregular and cross-cutting; at 34.1 m quartz is all broken. |  |
|              | <b>Sample:</b><br>81608      33.8 m – 34.3 m      0.5 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| 34.3 – 42.65 | SILICIFIED SHEAR ZONE with QUARTZ VEINING<br>Light to medium grey colour. Alternating zones of quartz veining, sheared silicified “siltstone-argillite” and healed brecciated silicified ‘quartzite’ (?). Recognizable bedding is at ~70° to c/a, laminated and thin-bedded. Fine, disseminated pyrite is common and at least 4 distinct ‘cleavage-parallel’ quartz veins have PbS at 34.4 m, 36.6 m, 36.9 m and 38.3 m.                                                                                                                                                                                                                                                                                                                                                    |  |
|              | <b>Sample and details:</b><br>81609      34.3 m – 35.35 m      1.05 m<br>Healed silicified breccia pyrite is common as disseminated fine grains and in small irregular lensy veins. A 4 cm wide milky white, slightly limonitic quartz vein with PbS at 34.4 m.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|              | <b>Sample:</b><br>81610      35.35 m – 36.3 m      0.95 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|              | ~65% sheared laminated argillite with a few narrow cross-cutting quartz-dolomite veins and minor disseminated pyrite and 35% silicified ‘quartzite’ with a few lensy veinlets of pyrite and minor fine disseminated pyrite.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |

## DDH: Z-07-3

**Meters      Description**

42.65 con't.

**Sample:**

81611      36.3 m – 37.0 m      0.7 m

Healed silicified brecciated 'quartzite' with narrow shears at 50° -70° to c/a.  
 Minor pyrite in lensey patches. Quartz vein in broken core with PbS at 36.6 m and  
 few blebs of PbS in quartz vein at 36.9 m.

**Sample:**

81612      37.0 m – 37.95 m      0.95 m

Silicified siltstone or quartzite; healed breccia texture, some relict bedding at  
 50° -60° to c/a. Few thin quartz veins.

At 37.2 m local healed breccia texture with quartz-feldspar vein matrix.

At 37.7 m a 10 cm vein is mostly white to light grey quartz; basal zone may be  
 felsite; vein is cut by thin light grey veinlets.

**Sample:**

81613      37.95 m – 38.4 m      0.45 m

~20 cm quartz vein, 25% sheared 'siltstone'. Disseminated to patchy pyrite in quartz  
 vein; disseminated pyrite in silicified siltstone. Irregular blebs of PbS in quartz vein  
 at 38.3 m. Veins are cleavage-parallel at 65° -80° to c/a. At 38.0 m at/near upper  
 contact of quartz vein, small angular patches of 'felsite breccia' are present.

**Sample:**

81614      38.4 m – 39.6 m      1.2 m

Altered, silicified argillite, siltstone and quartzite. ~ 10% mottled silicified  
 'quartzite'. Minor pyrite is disseminated through all lithologies.

**Sample:**

81615      39.6 m – 40.45 m      0.85 m

Silicified, brecciated, sheared. Relict bedding/cleavage at 70° -80° to c/a.  
 Minor pyrite, disseminated and in irregular lenses. Narrower mottled, silicified zones  
 occur throughout.

**Sample:**

81616      40.45 – 41.0 m      0.65 m

Mottled, silicified zone; altered, brecciated quartzite (?). Minor disseminated pyrite.

## DDH: Z-07-3

**Meters**      **Description**  
 42.65 con't.

**Sample:**

81617      41.0 m – 41.75 m      0.75 m

Silicified zone; healed breccia texture minor vein and disseminated pyrite.

**Sample:**

81618      41.75 m – 42.65 m      0.90 m (Only 20-25 cm recovered).

Silicified zone. Brecciated, altered quartzite(?). Disseminated pyrite, chloritic fractures.

## 42.65 – 49.3 DOLOMITE-QUARTZ BRECCIA

Complex breccia of yellowish dolomite veins and patches which are commonly cut by thin light grey quartz veins. Appears to be extensively re-brecciated. Veins tend to be cleavage-parallel and sub-parallel from 80° to 45° to c/a. Veining comprises about 50% of the interval; siltstone and argillite host sediments are extensively broken (and healed by veining); mostly bedding is at ~60° to c/a, but locally fragments are rotated.

46.5 m – 46.75 m and 47.65 m to 47.95 m are larger quartz veins, light grey and mottled.

The lower vein contains a large patch of dolomite brecciated by light grey quartz veins. Some pyrite is present; at 44.8 m large (1-3 cm across) patches of fine-grained pyrite are fractured and cut by very thin, light grey quartz veins.

48.05 m – 48.55 m has locally abundant disseminated and patchy pyrite. Scattered, more rusty patches within the interval may represent oxidized pyrite.

**Samples:**

|       |                   |        |
|-------|-------------------|--------|
| 81619 | 42.65 m – 43.4 m  | 0.75 m |
| 81620 | 43.4 m – 44.15 m  | 0.75 m |
| 81621 | 44.15 m – 44.55 m | 0.40 m |
| 81622 | 44.55 m – 45.0 m  | 0.45 m |
| 81623 | 45.0 m – 46.3 m   | 1.3 m  |
| 81624 | 46.3 m – 47.0 m   | 0.7 m  |
| 81625 | 47.0 m – 47.9 m   | 0.9 m  |
| 81626 | 47.9 m – 48.6 m   | 0.7 m  |

## 49.3 – 68.12 WEAKER DOLOMITE-QUARTZ VEIN BRECCIA; SILTSTONE and ARGILLITE

Host seds are variably altered, less strongly than above. Laminated darker grey argillite to grey-green siltstone. Siltstones are variably bleached, pale grey-green. Much of 50.0 m to 61.2 m is variably oxidized, presumably from pyrite. Yellowish dolomite veins ranging in width from ~1 mm to about 6 cm are scattered through the

**DDH: Z-07-3****Meters      Description**

68.12 con't.

interval. Most of the dolomite veins are healed breccias with quartz veinlets and quartz masses. Veins tend to be parallel to cleavage at ~70° to c/a.

Near 60.5 m a series of narrow, rusty, lensey quartz veins up to ~1.5 cm thick follow stronger cleavage at 70° -80° to c/a.

**Sample:**

81627      60.3 m – 60.95 m      0.65 m

68.12      END OF HOLE

## DRILL HOLE RECORD

|                     |                                           |                      |                    |
|---------------------|-------------------------------------------|----------------------|--------------------|
| <b>Hole No:</b>     | <b>Z-07-4</b>                             | <b>Property:</b>     | <b>ZEUS</b>        |
| <b>Commenced:</b>   | Nov. 2, 2007                              | <b>District:</b>     | Fort Steele        |
| <b>Completed:</b>   | Nov. 3, 2007                              | <b>Owner:</b>        | Ruby Red Resources |
| <b>Coordinates:</b> | 574773E 5481231N                          | <b>Location:</b>     |                    |
| <b>Core Size:</b>   | NQ2                                       | <b>Contractor:</b>   | F.B. Drilling Ltd. |
| <b>Azimuth:</b>     | 092°                                      | <b>Total Length:</b> | 91.14 m            |
| <b>Collar Dip:</b>  | -85°                                      | <b>Logged by:</b>    | P. Klewchuk        |
| <b>Elevation:</b>   |                                           | <b>Date:</b>         | Nov. 5, 2007       |
| <b>Tests at:</b>    |                                           |                      |                    |
| <b>Objective:</b>   | Test gold-bearing shear/quartz vein zone. |                      |                    |

| <b>Meters</b> | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 – 3.05      | CASING. NO CORE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 3.05 – 20.0   | <p><b>ALTERED SILTSTONE, ARGILLITE, minor QUARTZITE</b><br/> Variable colour – shades of yellow, tan, brown, orange, grey and green; pervasively weakly limonitic from surface weathering. Laminated to thin and medium-bedded; bedding is fairly evident but is interfered with and masked by cleavage and alteration. Laminated argillites are least altered (and the darkest colour); siltstones and quartzites are more altered. Bedding is typically at 35° to c/a; cleavage is parallel and sub-parallel to bedding. Alteration includes argillic, sericitic and siliceous. Minor chlorite is locally present; minor py is present. More intensely limonitic seams are probably pyrite and/or hematite.</p> <p>Near 18.5 m a 15 cm band of silicification occurs with a narrow healed shear zone that has hematite, pyrite, sericite and a green mineral that may be epidote.</p> <p>19.0 m – 19.5 m includes a few thin rusty quartz veins which mostly cross bedding at oblique angles.</p> |
|               | <b>Samples:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|               | 81628            18.4 m – 18.6 m            0.2 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|               | 81629            19.0 m – 19.5 m            0.5 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 20.0 – 41.9   | <p><b>CHLORITE-SILICA ALTERED ZONE</b><br/> Mainly siltstone and quartzite, minor argillite. Light, medium and darker grey-green. Bedding and cleavage typically at 35° to c/a.; bedding is commonly indistinct because of cleavage and alteration. Thin and medium-bedded. Intensity of shearing ranges from strong shear zones where shear fabric destroys bedding to areas of weak cleavage with recognizable bedding. Quartzites and/or silicified zones are typically more mottled with indistinct bedding.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## DDH: Z-07-4

| Meters      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 41.9 con't. | Oxidation from surface weathering dies out in the upper part of the interval; character appears different – more chloritic and more siliceous – but this may be in part due to less oxidation.<br>At 24.4 m a narrow, more strongly sheared zone is silicified with abundant pyrite over 5-10 mm.<br>At 28.3 m – 28.45 m vuggy quartz is developed in a strong shear zone (at ~50° to c/a) which extends from 28.2 m to ~28.55 m.<br>From 31.8 m – 32.5 m – Narrow, lensey bands (<1 mm to ~6 mm wide) of magnetite with minor pyrite occur in a light grey mottled ‘quartzite’. |

**Samples:**

|       |                  |        |
|-------|------------------|--------|
| 81630 | 28.3 m – 28.45 m | 0.15 m |
| 81631 | 31.8 m – 32.5 m  | 0.7 m  |

|             |                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 41.9 – 54.6 | MIXED ZONE OF SHEARING, SILICIFICATION, ARGILLIC ALTERATION<br>41.9 m to 48.3 m is quite strongly sheared and silicified with healed brecciation and quartz veining. Shearing at 40° -60° to c/a.<br>48.3 m – 53.95 m is chalky argillic-altered; pale grey-green with shearing, brecciation, few narrow quartz veins at ~25° to c/a.<br>53.95 m – 54.6 m is a brecciated quartz vein. |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Samples:**

|       |                   |        |                                                                                                                                                                                           |
|-------|-------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 81632 | 41.9 m – 42.8 m   | 0.9 m  | Silicified siltstone and quartzite; healed breccia texture and sheared at ~60° to c/a. Minor fine-grained pyrite, very minor PbS.                                                         |
| 81633 | 42.8 m – 43.8 m   | 1.0 m  | Sheared, silicified siltstone and quartzite, some crenulated shearing, fine-grained pyrite, very minor PbS.                                                                               |
| 81634 | 43.8 m – 44.7 m   | 0.9 m  | Silicified quartzite. Healed breccia texture. Some broken, rubbly core, minor fine-grained pyrite.                                                                                        |
| 81635 | 44.7 m – 45.65 m  | 0.95 m | Sheared siltstone and quartzite. Minor quartz veining, minor pyrite.                                                                                                                      |
| 81636 | 45.65 m – 46.45 m | 0.8 m  | Sheared, silicified quartzite and siltstone. Minor quartz veining with PbS. Disseminated pyrite locally common.                                                                           |
| 81637 | 46.45 m – 47.65 m | 1.2 m  | Sheared, silicified quartzite; healed brecciated texture from 0° to 30° to c/a. Disseminated pyrite common. Cross-cutting narrow Qv at ~60° to c/a, ~80° to shear fabric, with minor PbS. |

## DDH: Z-07-4

| Meters        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 54.6 con't.   | <b>Samples, con't:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|               | 81638      47.65 m – 48.3 m      0.65 m Quartz vein with ragged, lensy patches of PbS and pyrite at ~30° to c/a. Some broken core.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|               | 81639      48.3 m – 48.9 m      0.6 m Sheared, argillic-altered (chalky) argillite or siltstone. Minor shear-parallel quartz vein up to 3 cm wide (at 25° -30° to c/a). Minor pyrite.                                                                                                                                                                                                                                                                                                                                                                                          |
|               | 81640      53.0 m – 53.95 m      0.95 m (only ~25 cm recovered). Argillic-altered, sheared argillite or siltstone possible fault zone at base of this interval; shearing at 35° -40° to c/a. Minor pyrite.                                                                                                                                                                                                                                                                                                                                                                     |
|               | 81641      53.95 m – 54.6 m      0.65 m QUARTZ VEIN; healed breccia texture near 54.6 m. Disseminated pyrite common, minor PbS.                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 54.6 – 62.65  | <b>DOLOMITE-QUARTZ BRECCIA</b><br>Most of the interval is composed of complex vein breccia matrix of medium-grey usually sugary-textured quartz and brecciated white dolomite. Patches of silicified pale grey-green ‘siltstone’ is present below ~61 m. Repeated brecciation and injection of quartz is evident by younger quartz veins cutting older quartz veins. Minor disseminated pyrite is present, locally concentrated in small patches. There is a general shear fabric at 30° -40° to c/a, but much of the interval has a more homogenous “random breccia” texture. |
|               | <b>Samples:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|               | 81642      54.6 m – 54.85 m      0.25 m      Finer-grained sheared margin.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|               | 81643      54.85 m – 55.8 m      0.95 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 81644      55.8 m – 56.8 m      1.0 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|               | 81645      56.8 m – 57.8 m      1.0 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|               | 81646      57.8 m – 58.8 m      1.0 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|               | 81647      58.8 m – 59.8 m      1.0 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|               | 81648      59.8 m – 60.8 m      1.0 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|               | 81649      60.8 m – 61.75 m      0.95 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|               | 81650      61.75 m – 62.75 m      1.0 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 62.65 – 91.14 | <b>SHEARED, SILICIFIED SILTSTONE, ARGILLITE, minor QUARTZITE; Weaker DOLOMITE-QUARTZ BRECCIA</b><br>Dark grey to medium and light grey; more quartzitic sections are very pale grey-green. Mostly thin-bedded with a few medium and thicker beds.                                                                                                                                                                                                                                                                                                                              |

## DDH: Z-07-4

| Meters       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 91.14 con't. | <p>Bedding typically at ~50° to c/a. White dolomite with medium to light grey sugary and more massive textured quartz veins occur throughout, generally diminishing downward. Veins are typically parallel to bedding, some are sub-parallel at ~30° -35° to c/a. Veins are typically lensy and some are irregular and crossing bedding/shearing. Minor pyrite occurs with some veining and is locally disseminated in seds.</p> <p>79.9 m to 80.35 m is a zone of more intense (healed) shearing and veining, with a more intensely developed breccia texture.</p> <p>86.85 m – 87.6 m is mostly quartz veining with mottled patches of included silicified sediment, healed breccia texture and minor dolomite.</p> |
| 91.14        | END OF HOLE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

DRILL HOLE RECORD

|                     |                                    |                      |                    |
|---------------------|------------------------------------|----------------------|--------------------|
| <b>Hole No:</b>     | <b>Z-08-3</b>                      | <b>Property:</b>     | <b>ZEUS</b>        |
| <b>Commenced:</b>   | June 24, 2008                      | <b>District:</b>     | Fort Steele        |
| <b>Completed:</b>   | June 25, 2008                      | <b>Owner:</b>        | Ruby Red Resources |
| <b>Coordinates:</b> | 574754E 5481347N                   | <b>Location:</b>     |                    |
| <b>Core Size:</b>   | NQ2                                | <b>Contractor:</b>   | Lone Peak          |
| <b>Azimuth:</b>     | 120°                               | <b>Total Length:</b> | 121.31 m           |
| <b>Collar Dip:</b>  | -60°                               | <b>Logged by:</b>    | P. Klewchuk        |
| <b>Elevation:</b>   | 1677m                              | <b>Date:</b>         | June 25, 2008      |
| <b>Tests at:</b>    |                                    |                      |                    |
| <b>Objective:</b>   | Test Quartz/Carbonate Breccia Zone |                      |                    |

| Meters       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 - 1.52     | CASING. NO CORE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.52 – 20.8  | ARGILLITE, minor SILTSTONE, few QUARTZITE BEDS<br>Light to medium bluish grey; mostly bleached to a yellow-brown colour from surface oxidation. Thin-bedded and laminated, bedding at 55° to 65° to c/a.<br>Few medium and thin, light grey to white quartzite beds.<br>A few thin, white, limonitic quartz veins and lenses are usually irregular and both bedding-parallel and cross-cutting.<br>Weak to moderate bedding subparallel cleavage occurs throughout and tends to mask bedding somewhat. Patchy silicification/albitization is present below ~15.8 m. |
| 20.8 – 26.6  | SILTSTONE, minor ARGILLITE<br>Medium to light grey, medium and thin-bedded, bedding at 55°-60° to c/a. Lensey, irregular quartz 'vein' patches tend to be bedding-parallel or sub-parallel; a small concentration of these (~7 patches) occurs over 30 cm of core near 24.4 m.<br>Silicification/albitization results in light grey to white 'bleaching' in patches through much of the interval.                                                                                                                                                                   |
| 26.6 – 27.9  | GABBRO (?)<br>Dark green-brown, quite strongly vuggy throughout. Upper and lower contacts appear to be bedding-parallel, indicating this is a sill. Fine and medium-grained. Micaceous and foliated at ~55° to c/a. Quite massive; foliation is the only fabric. Vugs are coated with dark purple-black material, probably Mn.                                                                                                                                                                                                                                      |
| 27.9 – 38.85 | SILTSTONE and ARGILLITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## DDH: Z-08-3

| Meters        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 38.85 con't   | Light to medium grey, commonly bleached whitish. Thin-bedded and laminated, few medium thick beds. Bedding at 55°-60° to c/a. Siltstone beds are hardened by alteration; albitization and/or silicification. A few of the siltstone beds carry small irregular vuggy, limonitic cross-cutting quartz veins. Limonitic discolouration and some of the bleaching is probably from oxidation of pyrite.<br>28.85 m to 29.2 m is fine-grained, dark green sill with Mn-coated vugs. Presumably similar to overlying sill but finer grained.                                                                |
| 38.85 – 39.75 | ALTERED SILTSTONE – IRON OXIDE ZONE<br>Pale grey to light bluish grey. Thin-bedded and laminated with a few medium thick beds. Bedding at ~65° to c/a. Variably albitized-bleached whitish, glassy and hard. Minor iron oxide – magnetite and hematite – are associated with albitization in vague bedding-parallel zones.                                                                                                                                                                                                                                                                             |
| 39.75 – 73.5  | SILTSTONE, minor ARGILLITE<br>Light grey, pale grey-green and light to medium blue-grey. Thin and medium bedded to laminated. Bedding at 60°-65° to c/a. Entire interval is chlorite-albite-silica altered with local zones of pyrite-chlorite alteration. Siltstone zones are more albitized, glassy and hard. Argillite zones are pale green and chloritic. Very few narrow cross-cutting quartz and quartz-dolomite veins are present.<br>61.4 m to 66.6 m is more argillaceous, more laminated.<br>67.5 m to 69.0 m is more strongly albitized with local zones having a ‘healed breccia’ texture. |
| 73.5 – 94.5   | ARGILLITE<br>Medium-dark greenish blue-grey (blue-grey argillites that are chloritic-altered). Laminated. Bedding – sub-parallel cleavage results in wavy, discontinuous laminations. Bedding typically at 50°-55°. Locally laminations are slightly folded to moderately contorted. Numerous generally small, irregular and poddy to lensey quartz and quartz-dolomite veins are common. Veins are generally more abundant lower in the interval.                                                                                                                                                     |
| 94.5 – 94.75  | SHEAR ZONE<br>Tan brown-grey to dark blue-grey with light grey quartz lenses. Generally quite finely laminated or banded; strong cleavage/shear fabric at 65°-70° to c/a. Lensey light grey quartz ‘veins’ comprise about 15% of the zone. Minor fine-grained pyrite is present but not abundant. Strong cleavage, shearing results in discontinuous, slightly wavy bands.                                                                                                                                                                                                                             |

**Sample:**

81851      94.5 m – 94.75 m      0.25 m

**DDH: Z-08-3****Meters      Description****94.75-95.55 QUARTZ VEIN ZONE**

Mostly quartz – white to light grey. Banded at ~60° to c/a. Individual bands are lensey, wavy, few mm to ~12 cm wide. Quartz lenses are separated by wispy bands of pale grey, blue-grey and green-grey phyllitic “argillite”. Very minor fine-grained pyrite occurs with some of the quartz.

**Sample:**

81852            94.75 m – 95.55 m    0.8 m

**95.55-96.4 SHEAR ZONE, QUARTZ VEINING**

Moderately to strongly sheared at 60°-70° to c/a; thin lensey phyllitic argillite/siltite. About 30% of the interval is patchy zones of quartz lenses and bands; these are typically discontinuous. A few small lenses of “dolomite-quartz-breccia” are present; milky white dolomite is broken and intruded by light grey quartz veins. Minor fine-grained pyrite is present with some of the quartz.

**Sample:**

81853            95.55 m – 96.4 m    0.85 m.

**96.4-121.31 ALTERED SILTSTONE and (minor) ARGILLITE, DOLOMITE-QUARTZ BRECCIA**

Sediments are bleached to light grey, pale green grey and light to medium blue-grey. Alteration is sericitic and silicic and/or albitic. Moderately foliated parallel to bedding at 55°-60° to c/a. Bands of dolomite-quartz breccia occur throughout. Milky white dolomite is brecciated and intruded by a complex network of light grey quartz veinlets. Bands are typically parallel to bedding/foliation but a few are more irregular. Dolomite-quartz breccia bands range from a few mm to 15 cm in thickness; most are 1-4 cm wide and the dolomite-quartz breccia comprises est. 20% of the interval. Minor pyrite occurs locally as bedding/foliation – parallel bands or laminations, as irregular masses and as disseminations.

**121.31 m      END OF HOLE**

## DRILL HOLE RECORD

|                     |                                    |                      |                    |
|---------------------|------------------------------------|----------------------|--------------------|
| <b>Hole No:</b>     | Z-08-4                             | <b>Property:</b>     | ZEUS               |
|                     |                                    | <b>District:</b>     | Fort Steele        |
| <b>Commenced:</b>   | Sept. 9, 2008                      | <b>Owner:</b>        | Ruby Red Resources |
| <b>Completed:</b>   | Sept. 10, 2008                     | <b>Location:</b>     |                    |
| <b>Coordinates:</b> | 574737E 5481232N                   | <b>Contractor:</b>   | Lone Peak          |
| <b>Core Size:</b>   | NQ                                 | <b>Total Length:</b> | 101.0 m            |
| <b>Azimuth:</b>     | -                                  | <b>Logged by:</b>    | P. Klewchuk        |
| <b>Collar Dip:</b>  | -90°                               |                      |                    |
| <b>Elevation:</b>   | 1654m                              | <b>Date:</b>         | Sept. 12, 2008     |
| <b>Tests at:</b>    |                                    |                      |                    |
| <b>Objective:</b>   | Test Quartz/Carbonate Breccia Zone |                      |                    |

| Meters      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 – 2.0     | CASING. NO CORE.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2.0 – 14.8  | <b>ARGILLITE and SILTSTONE</b><br>Yellowish-brown oxidized from surface weathering, thin-bedded and laminated with variable intensity cleavage/shearing sub-parallel to bedding at 30°-40° to c/a. 9.4 m to 10.25 m is more strongly sheared and contains lensy blebs of quartz, mostly parallel to cleavage. Minor disseminated pyrite occurs with a less oxidized, chloritic 15 cm wide zone near 10.1m.                                     |
|             | <b>Sample:</b><br>81854            9.4 m – 10.25 m            0.85 m                                                                                                                                                                                                                                                                                                                                                                           |
| 14.8 – 21.7 | <b>QUARTZITE, minor SILTSTONE and ARGILLITE</b><br>Light grey to yellowish green; argillites are chloritic and more grey-green. Appears mostly medium-bedded with thin-bedded and laminated silts and argillites. Bedding typically at 30°-40° to c/a but some is wavy and a lot is weakly to moderately affected by bedding-sub-parallel cleavage. Below 20.0 m texture is a healed breccia and rock is very hard, silicified (or albitized). |
| 21.7 – 22.8 | <b>MAFIC SILL – GABBRO (?)</b><br>Dark green, fine-grained micaceous. Quite vuggy throughout with irregular elongate vugs parallel to foliation at 40°-50° to c/a. Upper contact is in broken core; lower contact is bedding/cleavage-parallel at ~35° to c/a (bit wavy). Foliated at ~45° to c/a.                                                                                                                                             |

**DDH: Z-08-4**

| <b>Meters</b>    | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 22.8 – 72.1      | Altered SILTSTONE, minor ARGILLITE and QUARTZITE.<br>Various shades of light grey, blue-grey, grey-green. Medium and thin-bedded with a few laminated bands. Bedding is typically at 30°-45° to c/a and is commonly interfered with by bedding-sub-parallel cleavage. Variably weakly to moderately albite-chlorite altered. Magnetite is locally concentrated in bedding-parallel discontinuous bands; eg. at 47.9 m, at 50.35 m to 50.8 m, at 70.1 m (and at 72.9 m). 22.8 m to 23.7 m - immediately below the mafic sill is more strongly chloritic and albite-altered quartz.                                                                                                                                                                                                                                                     |       |
| 72.1 – 84.55     | ALBITE-CHLORITE-PYRITE altered SILTSTONE, ARGILLITE.<br>Mottled white, pale green and various shades of grey. Thin-bedded and laminated but bedding is masked/destroyed by albite alteration locally and is interfered with by fairly strong bedding-sub-parallel cleavage. Light grey to white albite is quite strongly developed, but in patches with vague boundaries. Chlorite occurs throughout and produces a pale grey-green coloration. Fine disseminated pyrite is relatively minor but is present through much of the interval. Thin (0.5-3 mm wide) cross-cutting discontinuous veins of dull grey-brown dolomite are locally common. They tend to be developed in brittle quartz-albite zones and are commonly at ~90° to c/a. The better developed quartz-albite zones commonly have a mottled ‘healed breccia’ texture. |       |
| 84.55 – 90.45    | QUARTZ-MUSCOVITE-PYRITE-CHLORITE SHEAR ZONE<br>Essentially a quartz-muscovite schist. Generally strongly foliated/sheared at ~40° to c/a (rarely to 20° to c/a). Some relict bedding as greyish chloritic schist. Minor pyrite occurs locally as cleavage-parallel concentrations of fine to medium grains. Lensey blebs of white dolomite occur locally with pale grey quartz in a ‘boudin-like’ character.                                                                                                                                                                                                                                                                                                                                                                                                                          |       |
| <b>Sampling:</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |
| 81855            | 84.55 m – 85.55 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.0 m |
| 81856            | 85.55 m – 86.55 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.0 m |
| 81857            | 86.55 m – 87.55 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.0 m |
| 81858            | 87.55 m – 88.55 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.0 m |
| 81859            | 88.55 m – 89.55 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1.0 m |
| 81860            | 89.55 m – 90.45 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.9 m |
| 90.45 – 91.3     | QUARTZ VEIN<br>White to light grey. Massive with a healed breccia texture; healed fractures are coated with pyrite and a dark grey ‘mineral’. Fairly broken core.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |

**DDH: Z-08-4**

| <b>Meters</b> | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |        |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------|
| 91.3 con't    | Stronger foliated character in lower 10 cm is at ~40° to c/a. Very fine veinlets of pyrite define the foliation fabric.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |        |
|               | <b>Sample</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |        |
|               | 81861                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 90.45 m – 91.3 m | 0.85 m |
| 91.3 – 93.85  | <b>SILICIFIED QUARTZ VEIN BRECCIA</b><br>Mottled grey-white, slightly greenish. Numerous relatively narrow (up to 1.5 cm wide) light grey quartz veins occur throughout. Qv contacts are rarely sharp and the host medium grey siltstone is pervasively silicified. Minor pyrite occurs locally, as patches of fine grains. Yellow-grey dolomite occurs locally as cross-cutting veins and irregular patches.                                                                                                                                                                                                                          |                  |        |
|               | <b>Sample</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |        |
|               | 81862                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 91.3 m – 92.0 m  | 0.7 m  |
| 93.85-101.0   | <b>DOLOMITE VEIN BRECCIA; Altered SILTSTONE.</b><br>Pale greenish-grey silicified siltstone is cut by numerous veins of coarse-grained white dolomite. Veins range from ~1 mm to 6 cm wide and typically cut core at 35° to 50° to c/a. Small angular fragments of wallrock are common in a few veins. Light grey quartz is associated with a few dolomite veins and it typically forms a matrix of thin veinlets in healed brecciated dolomite.<br>Near 96.4 m a swarm of darker “yellow-grey” dolomite veinlets carry abundant pyrite. Minor pyrite is also locally present in narrow cleavage-parallel narrow bands at ~35° to c/a. |                  |        |
| 101.0         | <b>END OF HOLE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |        |

## DRILL HOLE RECORD

|                     |                  |                      |                    |
|---------------------|------------------|----------------------|--------------------|
| <b>Hole No:</b>     | <b>Z-08-5</b>    | <b>Property:</b>     | <b>ZEUS</b>        |
| <b>Commenced:</b>   | Sept. 10, 2008   | <b>District:</b>     | Fort Steele        |
| <b>Completed:</b>   | Sept. 11, 2008   | <b>Owner:</b>        | Ruby Red Resources |
| <b>Coordinates:</b> | 574753E 5481197N | <b>Location:</b>     |                    |
| <b>Core Size:</b>   | NQ               | <b>Contractor:</b>   | Lone Peak          |
| <b>Azimuth:</b>     | 117°             | <b>Total Length:</b> | 80.00m             |
| <b>Collar Dip:</b>  | -80°             | <b>Logged by:</b>    | P. Klewchuk        |
| <b>Elevation:</b>   | 1652 m           | <b>Date:</b>         | Sept. 12-13, 2008  |
| <b>Tests at:</b>    |                  |                      |                    |
| <b>Objective:</b>   |                  |                      |                    |

| <b>Meters</b> | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 – 5.0       | CASING. NO CORE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 5.0 – 52.5    | Altered SILTSTONE QUARTZITE and ARGILLITE<br>Various shades of grey, blue-grey, greenish grey to white. Mainly thin and medium-bedded with few thick beds. Bedding is typically at 35° to 45° to c/a. Bedding – sub-parallel cleavage is developed throughout; it interferes with and masks bedding locally. Much of the interval is weakly chloritic and pale greenish in colour.<br>Only very few small quartz veins are present, lensey and up to ~1.5 cm wide, usually cleavage-parallel and with minor pyrite.<br>Discontinuous narrow bands of 'disseminated' magnetite noted at 33.3 m, 35.4 m and 43.0 m. Some quartzites and siltstones are quite hard and are evidently silicified and possibly albitized. Rusty limonitic staining from surface weathering extends to about 33.0 m. |
| 52.5 – 58.4   | QUARTZ-SERICITE/MUSCOVITE BRECCIA<br>Mottled grey-white with grey-green and pinkish-brown hues. Quite strongly foliated/sheared at 40°-50° to c/a. Abundant white to light grey quartz veining throughout, typically with indistinct boundaries. Much of the zone may be altered siltstone but any bedding is completely obliterated. Fine-grained disseminated pyrite is scattered throughout. Muscovite is more common in the upper part; below about 57.5 m irregular patches of pale green sericitized siltstone (?) is common.<br>Thin irregular late stage light grey quartz veins cut across the cleavage/foliation.<br>Near 58.4 m yellowish dolomite occurs as broken blebs in lensey masses with light grey quartz vein matrix.                                                      |

## DDH: Z-08-5

| <b>Meters</b> | <b>Description</b> |
|---------------|--------------------|
| 58.4 con't    |                    |

**Sampling:**

|       |                 |       |
|-------|-----------------|-------|
| 81863 | 52.5 m – 53.5 m | 1.0 m |
| 81864 | 53.5 m – 54.5 m | 1.0 m |
| 81865 | 54.5 m – 55.5 m | 1.0 m |
| 81866 | 55.5 m – 56.5 m | 1.0 m |
| 81867 | 56.5 m – 57.5 m | 1.0 m |
| 81868 | 57.5 m – 58.4 m | 0.9 m |

58.4 – 64.7 QUARTZ-DOLOMITE BRECCIA

Light, medium and dark grey altered siltstone and argillite are cut by veins of light grey quartz and white dolomite. Breccia/shear fabric at ~45° to c/a. Veining tends to be shear-parallel but some is cross-cutting. Intensity of breccia varies from mostly altered sediments with 15-25% veining to 100% quartz-dolomite.

60.6 m – 61.2 m is a zone with character similar to overlying interval; more mottled quartz-mica altered with diffuse vein margins.

Disseminated pyrite is common but not abundant and tends to be concentrated in irregular patches. 64.7 m is a fairly distinct change to a less intense brecciation.

**Sampling:**

|       |                  |                    |
|-------|------------------|--------------------|
| 81869 | 63.0 m – 64.0 m  | 1.0 m more pyritic |
| 81870 | 64.0 m -- 64.7 m | 0.7 m more pyritic |

64.7 – 80.0 BRECCIATED SILTSTONE, minor ARGILLITE

Medium grey, few thin bands are darker grey. Medium and thin-bedded. Bedding at 60 to c/a. The interval is a weaker healed breccia with numerous quartz-dolomite veins. Quartz veining is light grey, dolomite is slightly yellowish white. Veins tend to be sub-parallel to bedding at 45°-50° to c/a. but many are at 25°-30° to c/a, and some are more irregular “ptygmatic” style veins. Minor disseminated pyrite is present, usually concentrated along some vein margins.

80.0 END OF HOLE



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Z-07-2; Z-07-3; Z-07-4

To: RUBY RED RESOURCES  
207-239 12TH AVENUE SW  
CALGARY AB T2R 1H6

Page: 3 - A  
Total # Pages: 4 (A - C)  
Finalized Date: 9-JAN-2008  
Account: RUBRED

Project: ZEUS

**CERTIFICATE OF ANALYSIS VA07134742**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21    | Au-ICP21 | Au-GRA21 | ME-ICP61 |      | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                    |                                   | Recvd Wt. | Au       | Au       | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       |      |
|                    |                                   | kg        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        |      |
| 81591              |                                   | 1.66      | <0.001   |          | <0.5     | 2.59     | <5       | 20       | <0.5     | <2       | 3.78     | <0.5     | 6        | 63       | 2        | 1.43     |      |
| 81592              |                                   | 3.46      | 0.600    |          | 0.7      | 5.89     | <5       | 370      | 1.8      | 3        | 5.85     | <0.5     | 55       | 137      | 39       | 6.47     |      |
| 81593              |                                   | 0.86      | 0.588    |          | <0.5     | 5.59     | <5       | 20       | 0.8      | 3        | 4.54     | <0.5     | 33       | 118      | 13       | 7.97     |      |
| 81594              |                                   | 1.68      | 2.08     | 1.96     |          | 1.2      | 4.54     | 20       | 240      | 0.8      | 4        | 4.60     | <0.5     | 63       | 2        | 278      | 8.68 |
| 81595              |                                   | 3.68      | 0.609    |          | 0.8      | 6.44     | <5       | 210      | 1.0      | 5        | 4.60     | <0.5     | 62       | 5        | 109      | 9.58     |      |
| 81596              |                                   | 2.82      | 0.466    |          | 0.7      | 4.51     | <5       | 60       | <0.5     | <2       | 4.20     | 0.6      | 68       | 4        | 10       | 7.27     |      |
| 81597              |                                   | 1.08      | 0.388    |          | <0.5     | 4.25     | 7        | 280      | 2.4      | 3        | 0.07     | <0.5     | 3        | 27       | 23       | 2.47     |      |
| 81598              |                                   | 0.52      | 0.007    |          | <0.5     | 5.18     | <5       | 240      | 1.5      | 4        | 0.12     | <0.5     | 27       | 20       | 22       | 5.48     |      |
| 81599              |                                   | 3.44      | 0.002    |          | <0.5     | 3.54     | <5       | 50       | 0.6      | <2       | 0.05     | <0.5     | 5        | 19       | 2        | 1.55     |      |
| 81600              |                                   | 2.54      | 0.003    |          | <0.5     | 4.85     | <5       | 10       | 0.5      | 2        | 0.04     | <0.5     | 18       | 18       | 2        | 6.45     |      |
| 81601              |                                   | 3.04      | 0.091    |          | <0.5     | 5.92     | <5       | 300      | 2.1      | 7        | 1.14     | <0.5     | 58       | 44       | 17       | 5.15     |      |
| 81602              |                                   | 1.24      | 0.021    |          | <0.5     | 5.64     | 5        | 30       | 0.7      | 6        | 2.18     | <0.5     | 45       | 13       | 5        | 14.65    |      |
| 81603              |                                   | 0.54      | <0.001   |          | <0.5     | 1.09     | <5       | 40       | 0.9      | 3        | 0.06     | <0.5     | 11       | 38       | 33       | 14.95    |      |
| 81604              |                                   | 1.84      | <0.001   |          | <0.5     | 2.44     | <5       | 190      | 1.0      | 2        | 0.07     | <0.5     | 8        | 18       | 376      | 6.58     |      |
| 81605              |                                   | 1.56      | <0.001   |          | <0.5     | 4.17     | <5       | 70       | 0.6      | <2       | 0.16     | <0.5     | 14       | 12       | 35       | 8.45     |      |
| 81606              |                                   | 2.02      | 0.020    |          | <0.5     | 2.11     | <5       | 90       | 0.8      | <2       | 0.02     | <0.5     | 5        | 50       | 4        | 0.83     |      |
| 81607              |                                   | 2.18      | 0.032    |          | <0.5     | 4.87     | <5       | 140      | 1.4      | 2        | 0.05     | <0.5     | 6        | 26       | 9        | 1.57     |      |
| 81608              |                                   | 1.44      | 0.264    |          | 0.7      | 5.27     | 11       | 180      | 1.7      | 2        | 0.06     | <0.5     | 11       | 43       | 6        | 2.20     |      |
| 81609              |                                   | 3.38      | 0.484    |          | 1.9      | 7.97     | 9        | 40       | 1.0      | <2       | 0.55     | <0.5     | 14       | 24       | 33       | 3.55     |      |
| 81610              |                                   | 2.64      | 0.069    |          | <0.5     | 8.01     | <5       | 360      | 3.4      | <2       | 0.08     | 0.5      | 10       | 40       | 15       | 3.57     |      |
| 81611              |                                   | 2.10      | 0.339    |          | 1.7      | 5.11     | <5       | 170      | 1.7      | 2        | 0.44     | 1.7      | 6        | 38       | 9        | 2.26     |      |
| 81612              |                                   | 3.14      | 0.252    |          | 1.3      | 5.79     | 10       | 250      | 2.2      | 2        | 0.92     | 4.7      | 7        | 27       | 20       | 2.45     |      |
| 81613              |                                   | 1.64      | 0.859    |          | 3.1      | 6.29     | 6        | 380      | 3.3      | 2        | 0.72     | 0.6      | 10       | 34       | 30       | 3.55     |      |
| 81614              |                                   | 3.78      | 0.109    |          | 0.5      | 9.11     | 8        | 440      | 3.3      | 2        | 0.56     | <0.5     | 9        | 40       | 6        | 3.49     |      |
| 81615              |                                   | 2.72      | 0.121    |          | <0.5     | 7.00     | 11       | 410      | 3.5      | <2       | 0.35     | 1.1      | 9        | 37       | 9        | 2.87     |      |
| 81616              |                                   | 1.96      | 0.050    |          | <0.5     | 7.45     | 21       | 140      | 1.7      | 2        | 0.74     | <0.5     | 6        | 28       | 7        | 2.54     |      |
| 81617              |                                   | 2.56      | 0.145    |          | 0.6      | 5.50     | 100      | 90       | 1.1      | <2       | 1.65     | 1.7      | 9        | 39       | 5        | 2.39     |      |
| 81618              |                                   | 0.90      | 0.328    |          | 2.1      | 4.63     | 153      | 120      | 1.3      | 3        | 0.94     | 7.7      | 8        | 20       | 67       | 3.04     |      |
| 81619              |                                   | 2.94      | 0.005    |          | <0.5     | 2.45     | 53       | 80       | 0.8      | <2       | 9.12     | <0.5     | 62       | 99       | 2        | 4.90     |      |
| 81620              |                                   | 2.46      | 0.003    |          | <0.5     | 2.39     | 30       | 70       | 0.6      | <2       | 8.23     | <0.5     | 55       | 118      | 2        | 4.57     |      |
| 81621              |                                   | 1.18      | 0.004    |          | <0.5     | 5.15     | 31       | 240      | 1.3      | 3        | 6.05     | <0.5     | 80       | 25       | 2        | 4.77     |      |
| 81622              |                                   | 1.64      | 0.016    |          | <0.5     | 1.13     | 39       | 50       | <0.5     | 3        | 13.60    | <0.5     | 106      | 6        | 3        | 7.93     |      |
| 81623              |                                   | 4.40      | <0.001   |          | <0.5     | 3.75     | <5       | 140      | 0.7      | <2       | 7.95     | <0.5     | 14       | 18       | 1        | 3.49     |      |
| 81624              |                                   | 2.00      | <0.001   |          | <0.5     | 1.10     | 12       | 50       | 0.6      | <2       | 7.11     | <0.5     | 13       | 12       | 2        | 3.30     |      |
| 81625              |                                   | 2.94      | <0.001   |          | <0.5     | 1.48     | 5        | 90       | 0.5      | <2       | 9.56     | <0.5     | 10       | 8        | 2        | 3.78     |      |
| 81626              |                                   | 2.16      | 0.012    |          | <0.5     | 2.71     | <5       | 210      | 0.9      | 2        | 3.69     | <0.5     | 129      | 16       | 2        | 5.31     |      |
| 81627              |                                   | 2.18      | <0.001   |          | <0.5     | 4.61     | 6        | 340      | 1.2      | <2       | 1.97     | <0.5     | 34       | 30       | 1        | 2.81     |      |
| 81628              |                                   | 0.64      | 0.005    |          | <0.5     | 6.15     | 7        | 230      | 2.0      | 2        | 0.10     | <0.5     | 17       | 28       | 13       | 2.87     |      |
| 81629              |                                   | 1.46      | 0.002    |          | <0.5     | 6.19     | <5       | 610      | 2.1      | 2        | 0.08     | <0.5     | 7        | 30       | 15       | 2.36     |      |
| 81630              |                                   | 0.52      | 0.012    |          | <0.5     | 5.64     | <5       | 160      | 1.5      | 3        | 0.07     | <0.5     | 7        | 30       | 3        | 4.31     |      |



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Account: RUBRED

Project: ZEUS

**CERTIFICATE OF ANALYSIS VA07134742**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61 | ME-ICP61  | ME-ICP61  | ME-ICP61  | ME-ICP61  |
|--------------------|-----------------------------------|-----------|----------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|----------|-----------|-----------|-----------|-----------|
|                    |                                   | Ga<br>ppm | K<br>%   | La<br>ppm | Mg<br>%  | Mn<br>ppm | Mo<br>ppm | Na<br>%  | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>%   | Sb<br>ppm | Sc<br>ppm | Sr<br>ppm | Th<br>ppm |
|                    |                                   | 10        | 0.01     | 10        | 0.01     | 5         | 1         | 0.01     | 1         | 10       | 2         | 0.01     | 5         | 1         | 1         | 20        |
| 81591              |                                   | <10       | 0.45     | 10        | 1.90     | 318       | <1        | 1.34     | 11        | 480      | <2        | 0.05     | <5        | 10        | 84        | <20       |
| 81592              |                                   | 20        | 1.78     | 10        | 3.96     | 768       | 69        | 1.29     | 124       | 1040     | 10        | 2.39     | <5        | 24        | 343       | <20       |
| 81593              |                                   | 10        | 0.04     | 10        | 5.24     | 1180      | 1         | 2.19     | 96        | 1110     | 6         | 0.94     | <5        | 26        | 67        | <20       |
| 81594              |                                   | 10        | 2.13     | 10        | 1.68     | 900       | 1         | 0.08     | 9         | 340      | 31        | 6.35     | <5        | 33        | 154       | <20       |
| 81595              |                                   | 20        | 1.44     | 10        | 2.06     | 1230      | 8         | 2.78     | 11        | 470      | 9         | 3.81     | <5        | 40        | 207       | <20       |
| 81596              |                                   | 10        | 0.41     | <10       | 1.38     | 910       | 2         | 2.86     | 9         | 660      | 9         | 4.37     | <5        | 23        | 150       | <20       |
| 81597              |                                   | 10        | 1.75     | 20        | 0.25     | 53        | 1         | 0.34     | 10        | 310      | 9         | 0.03     | <5        | 8         | 21        | <20       |
| 81598              |                                   | 10        | 1.13     | 20        | 0.64     | 286       | 2         | 0.92     | 25        | 700      | <2        | 0.02     | <5        | 7         | 54        | <20       |
| 81599              |                                   | 10        | 0.83     | 10        | 1.09     | 33        | <1        | 0.43     | 10        | 150      | <2        | 0.64     | <5        | 4         | 10        | <20       |
| 81600              |                                   | 20        | 0.08     | 10        | 4.99     | 87        | <1        | 0.02     | 23        | 220      | <2        | 1.61     | <5        | 7         | 3         | <20       |
| 81601              |                                   | 10        | 1.82     | 40        | 1.80     | 371       | 2         | 0.84     | 32        | 350      | 6         | 2.78     | <5        | 11        | 57        | <20       |
| 81602              |                                   | 10        | 0.03     | 10        | 0.29     | 300       | 1         | 4.57     | 34        | 380      | 6         | 2.65     | <5        | 21        | 94        | <20       |
| 81603              |                                   | <10       | 0.12     | 10        | 0.26     | 315       | 1         | 0.10     | 13        | 510      | 10        | 0.02     | <5        | 10        | 7         | <20       |
| 81604              |                                   | 10        | 0.56     | 10        | 0.35     | 1030      | <1        | 0.31     | 11        | 360      | 2         | 0.02     | <5        | 9         | 13        | <20       |
| 81605              |                                   | 10        | 0.24     | 10        | 1.58     | 698       | <1        | 1.00     | 22        | 450      | 2         | 0.08     | <5        | 22        | 24        | <20       |
| 81606              |                                   | 10        | 0.48     | 10        | 0.07     | 18        | 2         | 0.75     | 8         | 20       | 8         | 0.52     | <5        | 3         | 19        | <20       |
| 81607              |                                   | 10        | 0.60     | 30        | 0.17     | 201       | 1         | 3.48     | 19        | 140      | 11        | 0.56     | <5        | 6         | 65        | <20       |
| 81608              |                                   | 10        | 0.83     | 40        | 0.19     | 192       | 1         | 3.04     | 17        | 190      | 60        | 1.54     | <5        | 7         | 58        | 20        |
| 81609              |                                   | 10        | 0.18     | 40        | 0.38     | 464       | <1        | 6.90     | 16        | 100      | 527       | 2.81     | <5        | 7         | 116       | 20        |
| 81610              |                                   | 20        | 2.21     | 30        | 0.99     | 462       | <1        | 3.39     | 22        | 250      | 64        | 0.78     | <5        | 14        | 60        | 20        |
| 81611              |                                   | 10        | 0.94     | 30        | 0.29     | 223       | 1         | 2.63     | 14        | 130      | 904       | 1.84     | <5        | 7         | 71        | <20       |
| 81612              |                                   | 10        | 1.35     | 30        | 0.53     | 299       | 1         | 2.53     | 13        | 120      | 131       | 1.97     | <5        | 8         | 96        | <20       |
| 81613              |                                   | 20        | 2.10     | 30        | 0.53     | 325       | 4         | 1.62     | 18        | 340      | 406       | 3.00     | <5        | 10        | 67        | <20       |
| 81614              |                                   | 20        | 2.15     | 40        | 0.96     | 617       | <1        | 4.48     | 21        | 260      | 22        | 1.41     | <5        | 12        | 98        | 20        |
| 81615              |                                   | 20        | 2.25     | 40        | 0.80     | 398       | <1        | 2.33     | 20        | 240      | 77        | 1.07     | <5        | 11        | 66        | 20        |
| 81616              |                                   | 10        | 0.91     | 40        | 0.86     | 504       | <1        | 4.86     | 13        | 180      | 39        | 0.87     | <5        | 9         | 115       | 20        |
| 81617              |                                   | 10        | 0.60     | 30        | 0.74     | 375       | 10        | 3.45     | 14        | 200      | 135       | 1.97     | <5        | 7         | 124       | <20       |
| 81618              |                                   | 10        | 0.83     | 20        | 0.52     | 367       | 10        | 2.30     | 16        | 80       | 424       | 2.76     | 86        | 7         | 82        | <20       |
| 81619              |                                   | 10        | 1.16     | 20        | 4.25     | 1580      | <1        | 0.07     | 57        | 900      | 14        | 1.30     | <5        | 9         | 125       | <20       |
| 81620              |                                   | 10        | 1.15     | 10        | 3.70     | 1470      | <1        | 0.06     | 50        | 770      | 6         | 1.41     | <5        | 8         | 63        | <20       |
| 81621              |                                   | 10        | 2.43     | 30        | 2.42     | 1820      | <1        | 0.08     | 41        | 230      | 8         | 1.48     | <5        | 9         | 39        | <20       |
| 81622              |                                   | <10       | 0.54     | <10       | 5.75     | 2540      | <1        | 0.05     | 52        | 70       | 9         | 3.32     | <5        | 6         | 70        | <20       |
| 81623              |                                   | 10        | 1.78     | 20        | 3.44     | 1250      | <1        | 0.06     | 9         | 170      | <2        | 0.30     | <5        | 6         | 37        | <20       |
| 81624              |                                   | <10       | 0.53     | <10       | 1.02     | 982       | 1         | 0.03     | 11        | 120      | <2        | 0.10     | <5        | 2         | 21        | <20       |
| 81625              |                                   | <10       | 0.74     | 10        | 3.81     | 1470      | <1        | 0.04     | 7         | 80       | 3         | 0.19     | <5        | 3         | 50        | <20       |
| 81626              |                                   | 10        | 1.32     | 10        | 1.45     | 613       | <1        | 0.05     | 47        | 130      | <2        | 3.97     | <5        | 5         | 21        | <20       |
| 81627              |                                   | 10        | 2.20     | 20        | 0.90     | 493       | <1        | 0.07     | 15        | 150      | 2         | 0.40     | <5        | 7         | 15        | <20       |
| 81628              |                                   | 10        | 0.89     | 40        | 0.18     | 199       | <1        | 3.89     | 26        | 200      | 26        | 0.67     | <5        | 9         | 65        | <20       |
| 81629              |                                   | 10        | 2.09     | 40        | 0.30     | 230       | <1        | 1.79     | 13        | 170      | 8         | 0.07     | <5        | 10        | 74        | 20        |
| 81630              |                                   | 10        | 0.65     | 30        | 0.08     | 54        | <1        | 3.44     | 13        | 360      | <2        | 0.34     | <5        | 6         | 70        | <20       |



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Project: ZEUS

**CERTIFICATE OF ANALYSIS VA07134742**

| Sample Description | Method  | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 | ME-ICP61 |
|--------------------|---------|----------|----------|----------|----------|----------|----------|
|                    | Analyte | Ti       | Ti       | U        | V        | W        | Zn       |
|                    | Units   | %        | ppm      | ppm      | ppm      | ppm      | ppm      |
|                    | LOR     | 0.01     | 10       | 10       | 1        | 10       | 2        |
| 81591              |         | 0.14     | <10      | 10       | 36       | <10      | 3        |
| 81592              |         | 0.52     | <10      | <10      | 209      | 10       | 43       |
| 81593              |         | 0.70     | <10      | 10       | 266      | <10      | 60       |
| 81594              |         | 0.40     | <10      | <10      | 441      | 20       | 31       |
| 81595              |         | 0.73     | <10      | 10       | 480      | <10      | 58       |
| 81596              |         | 0.45     | <10      | 10       | 155      | <10      | 29       |
| 81597              |         | 0.15     | <10      | <10      | 56       | 10       | 14       |
| 81598              |         | 0.08     | <10      | <10      | 39       | <10      | 62       |
| 81599              |         | 0.06     | <10      | <10      | 18       | <10      | 7        |
| 81600              |         | 0.08     | <10      | <10      | 67       | <10      | 40       |
| 81601              |         | 0.20     | <10      | <10      | 66       | <10      | 27       |
| 81602              |         | 0.25     | 10       | 20       | 252      | 10       | 8        |
| 81603              |         | 0.15     | <10      | <10      | 78       | <10      | 117      |
| 81604              |         | 0.10     | <10      | <10      | 45       | <10      | 43       |
| 81605              |         | 0.52     | <10      | <10      | 220      | <10      | 98       |
| 81606              |         | 0.08     | <10      | <10      | 23       | <10      | 14       |
| 81607              |         | 0.12     | <10      | 10       | 25       | <10      | 17       |
| 81608              |         | 0.12     | <10      | 10       | 30       | <10      | 18       |
| 81609              |         | 0.12     | <10      | 20       | 17       | <10      | 32       |
| 81610              |         | 0.15     | <10      | 10       | 62       | 10       | 93       |
| 81611              |         | 0.11     | <10      | <10      | 35       | <10      | 91       |
| 81612              |         | 0.12     | <10      | 10       | 47       | <10      | 619      |
| 81613              |         | 0.11     | <10      | <10      | 81       | <10      | 49       |
| 81614              |         | 0.14     | <10      | 10       | 68       | <10      | 43       |
| 81615              |         | 0.16     | <10      | <10      | 63       | <10      | 160      |
| 81616              |         | 0.12     | <10      | 10       | 31       | <10      | 65       |
| 81617              |         | 0.10     | <10      | 10       | 16       | <10      | 210      |
| 81618              |         | 0.10     | <10      | 10       | 23       | <10      | 1130     |
| 81619              |         | 0.16     | <10      | <10      | 55       | <10      | 30       |
| 81620              |         | 0.19     | <10      | <10      | 63       | <10      | 16       |
| 81621              |         | 0.10     | <10      | <10      | 54       | <10      | 202      |
| 81622              |         | 0.02     | <10      | <10      | 15       | <10      | 222      |
| 81623              |         | 0.05     | <10      | <10      | 32       | <10      | 13       |
| 81624              |         | 0.01     | <10      | <10      | 15       | <10      | 43       |
| 81625              |         | 0.03     | <10      | <10      | 15       | <10      | 9        |
| 81626              |         | 0.05     | <10      | <10      | 24       | <10      | 5        |
| 81627              |         | 0.09     | <10      | <10      | 33       | <10      | 7        |
| 81628              |         | 0.14     | <10      | 10       | 40       | <10      | 20       |
| 81629              |         | 0.17     | <10      | <10      | 42       | <10      | 17       |
| 81630              |         | 0.09     | <10      | 10       | 27       | <10      | 29       |



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**CERTIFICATE OF ANALYSIS VA07134742**

| Sample Description | Method  | WEI-21    | Au-ICP21 | Au-GRA21 | ME-ICP61 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                    | Analyte | Recvd Wt. | Au       | Au       | Ag       | Al       | As       | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       |
|                    | Units   | kg        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      | %        |
|                    | LOR     | 0.02      | 0.001    | 0.05     | 0.5      | 0.01     | 5        | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     |
| 81631              |         | 2.22      | 0.019    |          | <0.5     | 4.21     | <5       | 30       | 0.6      | <2       | 0.27     | <0.5     | 3        | 37       | 6        | 2.35     |
| 81632              |         | 3.08      | <0.001   |          | 0.9      | 7.19     | 11       | 230      | 2.0      | 4        | 0.13     | <0.5     | 11       | 37       | 6        | 3.09     |
| 81633              |         | 2.82      | 0.011    |          | <0.5     | 7.83     | 18       | 270      | 2.6      | 4        | 0.10     | 0.8      | 10       | 41       | 14       | 3.36     |
| 81634              |         | 2.44      | 0.017    |          | <0.5     | 4.37     | 18       | 50       | 0.7      | <2       | 0.08     | <0.5     | 3        | 22       | 2        | 2.15     |
| 81635              |         | 2.96      | 0.097    |          | 0.5      | 7.72     | 38       | 430      | 3.4      | 3        | 0.09     | <0.5     | 13       | 40       | 12       | 4.16     |
| 81636              |         | 2.94      | 3.68     | 3.46     | 13.3     | 7.40     | 22       | 250      | 2.9      | 2        | 1.03     | 1.4      | 11       | 46       | 125      | 3.71     |
| 81637              |         | 3.46      | 0.593    |          | 1.8      | 6.97     | 20       | 300      | 3.9      | 2        | 0.59     | <0.5     | 13       | 28       | 7        | 2.81     |
| 81638              |         | 1.90      | 0.194    |          | 1.8      | 2.26     | 10       | 150      | 2.1      | 2        | 0.12     | 2.1      | 9        | 30       | 16       | 1.47     |
| 81639              |         | 2.38      | 0.183    |          | 0.7      | 6.18     | 11       | 410      | 4.9      | <2       | 0.28     | <0.5     | 16       | 42       | 11       | 2.97     |
| 81640              |         | 0.78      | 0.021    |          | <0.5     | 9.17     | 16       | 630      | 4.8      | 2        | 0.45     | <0.5     | 7        | 42       | 2        | 2.43     |
| 81641              |         | 1.70      | 0.237    |          | 5.3      | 0.98     | 545      | 70       | 1.1      | 2        | 0.44     | 1.9      | 5        | 20       | 166      | 1.68     |
| 81642              |         | 1.12      | 0.114    |          | 0.7      | 1.71     | 462      | 100      | 1.9      | 3        | 10.40    | 0.8      | 46       | 18       | 12       | 4.42     |
| 81643              |         | 3.54      | 0.002    |          | <0.5     | 1.67     | 14       | 90       | 1.0      | 3        | 12.25    | <0.5     | 38       | 9        | 2        | 4.39     |
| 81644              |         | 3.42      | <0.001   |          | <0.5     | 1.27     | 9        | 80       | 0.7      | <2       | 11.95    | <0.5     | 19       | 6        | 2        | 3.98     |
| 81645              |         | 3.62      | 0.001    |          | <0.5     | 1.29     | 12       | 80       | 0.8      | 3        | 11.85    | <0.5     | 22       | 9        | 2        | 4.33     |
| 81646              |         | 3.04      | 0.006    |          | <0.5     | 1.11     | 13       | 60       | 0.8      | 4        | 12.30    | <0.5     | 17       | 4        | 1        | 5.62     |
| 81647              |         | 2.96      | 0.001    |          | 0.5      | 1.03     | 6        | 60       | 0.6      | 4        | 13.70    | <0.5     | 26       | 5        | 1        | 5.14     |
| 81648              |         | 3.90      | 0.003    |          | <0.5     | 1.05     | 5        | 60       | <0.5     | 3        | 11.80    | <0.5     | 64       | 9        | 1        | 5.01     |
| 81649              |         | 2.52      | 0.019    |          | <0.5     | 1.97     | 10       | 130      | 0.6      | 4        | 8.88     | <0.5     | 96       | 10       | 2        | 5.79     |
| 81650              |         | 3.80      | 0.011    |          | <0.5     | 2.41     | 9        | 160      | 0.8      | 3        | 4.07     | <0.5     | 95       | 15       | 4        | 4.87     |



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Page: 4 - B  
Total # Pages: 4 (A - C)  
Finalized Date: 9-JAN-2008  
Account: RUBRED

Project: ZEUS

**CERTIFICATE OF ANALYSIS VA07134742**

| Sample Description | Method  | ME-ICP61 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                    | Analyte | Ga       | K        | La       | Mg       | Mn       | Mo       | Na       | Ni       | P        | Pb       | S        | Sb       | Sc       | Sr       | Th       |
|                    | Units   | ppm      | %        | ppm      | %        | ppm      | ppm      | %        | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      |
| LOR                |         | 10       | 0.01     | 10       | 0.01     | 5        | 1        | 0.01     | 1        | 10       | 2        | 0.01     | 5        | 1        | 1        | 20       |
| 81631              |         | 10       | 0.05     | 30       | 0.14     | 211      | <1       | 3.32     | 6        | 50       | <2       | 0.17     | <5       | 4        | 63       | <20      |
| 81632              |         | 20       | 1.41     | 40       | 0.87     | 235      | <1       | 4.17     | 20       | 260      | 466      | 0.46     | <5       | 11       | 81       | <20      |
| 81633              |         | 20       | 1.91     | 40       | 0.97     | 272      | <1       | 3.77     | 23       | 290      | 57       | 0.50     | 16       | 13       | 60       | <20      |
| 81634              |         | 10       | 0.26     | 20       | 0.50     | 257      | <1       | 3.17     | 11       | 210      | 6        | 0.37     | <5       | 6        | 55       | <20      |
| 81635              |         | 20       | 2.84     | 30       | 1.07     | 511      | 1        | 1.91     | 23       | 280      | 42       | 1.11     | 6        | 12       | 36       | <20      |
| 81636              |         | 20       | 1.86     | 40       | 0.72     | 342      | 5        | 3.27     | 23       | 220      | 218      | 3.07     | 23       | 12       | 99       | 20       |
| 81637              |         | 20       | 2.31     | 40       | 0.50     | 194      | 4        | 2.25     | 19       | 230      | 53       | 2.39     | <5       | 9        | 61       | 20       |
| 81638              |         | 10       | 1.10     | 10       | 0.20     | 122      | 31       | 0.08     | 8        | 100      | 1020     | 1.06     | <5       | 4        | 10       | <20      |
| 81639              |         | 20       | 3.21     | 40       | 0.53     | 495      | 26       | 0.07     | 17       | 220      | 92       | 1.77     | <5       | 12       | 18       | <20      |
| 81640              |         | 30       | 4.69     | 30       | 0.70     | 398      | 28       | 0.10     | 12       | 300      | 28       | 0.83     | <5       | 17       | 28       | 20       |
| 81641              |         | <10      | 0.47     | 10       | 0.20     | 181      | 16       | 0.01     | 7        | 420      | 783      | 1.23     | 124      | 2        | 30       | <20      |
| 81642              |         | 10       | 0.80     | 10       | 5.13     | 1450     | 1        | 0.03     | 18       | 160      | 164      | 1.23     | 16       | 15       | 321      | <20      |
| 81643              |         | 10       | 0.84     | 10       | 6.33     | 1635     | 1        | 0.03     | 14       | 90       | 13       | 0.93     | <5       | 16       | 204      | <20      |
| 81644              |         | <10      | 0.64     | <10      | 6.61     | 1470     | 1        | 0.03     | 9        | 70       | 6        | 0.51     | <5       | 13       | 138      | <20      |
| 81645              |         | <10      | 0.65     | 10       | 5.88     | 1635     | <1       | 0.03     | 10       | 60       | 6        | 0.65     | <5       | 6        | 160      | <20      |
| 81646              |         | <10      | 0.56     | 10       | 7.36     | 2050     | 1        | 0.02     | 11       | 70       | 11       | 0.67     | <5       | 7        | 190      | <20      |
| 81647              |         | <10      | 0.53     | <10      | 6.53     | 1915     | <1       | 0.02     | 8        | 30       | 4        | 0.82     | <5       | 6        | 132      | <20      |
| 81648              |         | <10      | 0.55     | 10       | 5.76     | 1550     | 1        | 0.02     | 19       | 50       | 2        | 1.68     | <5       | 5        | 81       | <20      |
| 81649              |         | 10       | 1.03     | 10       | 4.16     | 1320     | 2        | 0.03     | 26       | 80       | 5        | 3.22     | <5       | 5        | 60       | <20      |
| 81650              |         | 10       | 1.20     | 10       | 1.92     | 582      | 1        | 0.03     | 31       | 90       | 3        | 3.95     | <5       | 5        | 33       | <20      |



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Finalized Date: 9-JAN-2008  
Account: RUBRED

Project: ZEUS

**CERTIFICATE OF ANALYSIS VA07134742**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP61<br>Ti<br>% | ME-ICP61<br>Ti<br>ppm | ME-ICP61<br>U<br>ppm | ME-ICP61<br>V<br>ppm | ME-ICP61<br>W<br>ppm | ME-ICP61<br>Zn<br>ppm |
|--------------------|-----------------------------------|---------------------|-----------------------|----------------------|----------------------|----------------------|-----------------------|
| 81631              |                                   | 0.08                | <10                   | <10                  | 43                   | <10                  | 5                     |
| 81632              |                                   | 0.17                | <10                   | 10                   | 48                   | <10                  | 28                    |
| 81633              |                                   | 0.14                | <10                   | 10                   | 53                   | <10                  | 85                    |
| 81634              |                                   | 0.07                | <10                   | 10                   | 13                   | <10                  | 15                    |
| 81635              |                                   | 0.13                | <10                   | <10                  | 62                   | <10                  | 54                    |
| 81636              |                                   | 0.13                | <10                   | 10                   | 65                   | <10                  | 149                   |
| 81637              |                                   | 0.13                | <10                   | 10                   | 48                   | 10                   | 44                    |
| 81638              |                                   | 0.08                | <10                   | <10                  | 49                   | <10                  | 171                   |
| 81639              |                                   | 0.20                | <10                   | <10                  | 128                  | 10                   | 28                    |
| 81640              |                                   | 0.22                | <10                   | <10                  | 112                  | <10                  | 21                    |
| 81641              |                                   | 0.03                | <10                   | <10                  | 26                   | <10                  | 271                   |
| 81642              |                                   | 0.05                | <10                   | <10                  | 27                   | <10                  | 100                   |
| 81643              |                                   | 0.04                | <10                   | <10                  | 25                   | <10                  | 14                    |
| 81644              |                                   | 0.03                | <10                   | <10                  | 21                   | <10                  | 9                     |
| 81645              |                                   | 0.02                | <10                   | <10                  | 20                   | <10                  | 9                     |
| 81646              |                                   | 0.02                | <10                   | <10                  | 18                   | <10                  | 34                    |
| 81647              |                                   | 0.02                | <10                   | <10                  | 17                   | <10                  | 10                    |
| 81648              |                                   | 0.02                | <10                   | <10                  | 18                   | <10                  | 6                     |
| 81649              |                                   | 0.03                | <10                   | <10                  | 22                   | <10                  | 6                     |
| 81650              |                                   | 0.04                | <10                   | <10                  | 21                   | <10                  | 5                     |
|                    |                                   |                     |                       |                      |                      |                      |                       |

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Project:

None Given

Report Date:

July 22, 2008

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Part 1

ANALYTICAL REPORT

VANCOUVER

| Method | WGHT       | 1DX  | 1DX  | 1DX   | 1DX   | 1DX | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  |     |    |      |
|--------|------------|------|------|-------|-------|-----|------|------|------|-----|------|------|------|------|------|-----|------|------|-----|----|------|
|        | Analyte    | Wgt  | Mo   | Cu    | Pb    | Zn  | Ag   | Ni   | Co   | Mn  | Fe   | As   | U    | Au   | Th   | Sr  | Cd   | Sb   | Bi  | V  | Ca   |
|        |            | kg   | ppm  | ppm   | ppm   | ppm | ppm  | ppm  | ppm  | ppm | %    | ppm  | ppm  | ppb  | ppm  | ppm | ppm  | ppm  | ppm | %  |      |
|        |            | MDL  | 0.01 | 0.1   | 0.1   | 0.1 | 1    | 0.1  | 0.1  | 0.1 | 0.01 | 0.5  | 0.1  | 0.5  | 0.1  | 1   | 0.1  | 0.1  | 0.1 | 2  | 0.01 |
| 53589  | Drill Core | 2.52 | 0.6  | 19.6  | 2.0   | 6   | <0.1 | 11.4 | 9.9  | 47  | 2.06 | 11.4 | 1.1  | 3.8  | 13.9 | 2   | <0.1 | <0.1 | 1.2 | 11 | 0.02 |
| 53590  | Drill Core | 3.62 | 2.2  | 35.2  | 3.5   | 7   | <0.1 | 15.7 | 21.3 | 64  | 2.99 | 28.1 | 1.4  | 4.5  | 10.3 | 2   | <0.1 | 0.2  | 1.9 | 14 | 0.04 |
| 53591  | Drill Core | 2.81 | 0.6  | 19.6  | 2.5   | 7   | <0.1 | 9.8  | 5.9  | 81  | 2.52 | 4.9  | 1.3  | 2.9  | 10.5 | 2   | <0.1 | <0.1 | 0.9 | 14 | 0.03 |
| 53592  | Drill Core | 3.09 | 0.4  | 8.4   | 3.1   | 7   | <0.1 | 12.6 | 6.9  | 71  | 3.09 | 7.0  | 1.8  | 2.0  | 11.6 | 2   | <0.1 | <0.1 | 0.5 | 14 | 0.03 |
| 53593  | Drill Core | 2.42 | 0.5  | 6.7   | 2.5   | 9   | <0.1 | 13.2 | 9.6  | 56  | 3.33 | 12.1 | 2.1  | 1.9  | 13.0 | 2   | <0.1 | <0.1 | 0.5 | 14 | 0.04 |
| 53594  | Drill Core | 2.62 | 0.7  | 14.2  | 1.9   | 5   | <0.1 | 11.0 | 6.3  | 47  | 2.05 | 6.8  | 1.3  | 3.3  | 8.2  | 3   | <0.1 | <0.1 | 0.3 | 15 | 0.02 |
| 53595  | Drill Core | 2.23 | 1.3  | 41.2  | 4.3   | 10  | <0.1 | 23.1 | 21.7 | 114 | 5.17 | 22.0 | 2.0  | 2.6  | 11.8 | 2   | <0.1 | 0.3  | 1.8 | 28 | 0.06 |
| 53596  | Drill Core | 3.14 | 6.0  | 34.6  | 6.8   | 7   | <0.1 | 24.1 | 20.9 | 65  | 4.79 | 16.0 | 2.0  | 3.6  | 10.4 | 7   | <0.1 | 0.6  | 2.4 | 34 | 0.08 |
| 53597  | Drill Core | 3.90 | 4.0  | 548.4 | 9.8   | 10  | <0.1 | 23.2 | 23.9 | 79  | 4.63 | 22.6 | 1.7  | 5.0  | 9.6  | 2   | <0.1 | 0.6  | 4.7 | 21 | 0.05 |
| 53598  | Drill Core | 2.64 | 3.7  | 57.6  | 201.0 | 36  | <0.1 | 25.5 | 25.5 | 90  | 5.34 | 25.5 | 2.1  | 2.6  | 11.6 | 3   | 0.4  | 0.4  | 3.5 | 22 | 0.08 |
| 53599  | Drill Core | 2.90 | 7.3  | 216.2 | 44.7  | 14  | <0.1 | 22.9 | 25.5 | 88  | 4.89 | 29.3 | 2.0  | 1.1  | 9.7  | 3   | <0.1 | 0.2  | 3.4 | 22 | 0.10 |
| 53600  | Drill Core | 2.86 | 0.7  | 62.3  | 3.5   | 9   | <0.1 | 13.7 | 7.9  | 144 | 3.22 | 9.2  | 2.0  | 0.7  | 11.6 | 3   | <0.1 | <0.1 | 1.7 | 12 | 0.06 |
| 081851 | Drill Core | 0.98 | 1.8  | 15.2  | 33.8  | 22  | <0.1 | 29.4 | 40.8 | 371 | 4.22 | 42.8 | 16.4 | 8.2  | 7.2  | 14  | <0.1 | 0.3  | 1.4 | 9  | 0.36 |
| 081852 | Drill Core | 2.75 | 1.0  | 4.3   | 35.0  | 4   | <0.1 | 20.1 | 52.3 | 301 | 1.31 | 7.5  | 0.6  | 5.2  | 1.0  | 31  | <0.1 | 0.2  | 0.8 | <2 | 1.43 |
| 081853 | Drill Core | 2.32 | 1.0  | 8.4   | 6.2   | 9   | 0.1  | 28.5 | 70.0 | 587 | 2.70 | 19.7 | 1.2  | 15.0 | 2.1  | 65  | <0.1 | 0.6  | 1.6 | <2 | 2.94 |

| Method | 1DX        | 1DX   | 1DX   | 1DX | 1DX  | 1DX  | 1DX    | 1DX   | 1DX  | 1DX   | 1DX   | 1DX  | 1DX   | 1DX  | 1DX  | 1DX  | 1DX | 1DX  |
|--------|------------|-------|-------|-----|------|------|--------|-------|------|-------|-------|------|-------|------|------|------|-----|------|
|        | Analyte    | P     | La    | Cr  | Mg   | Ba   | Ti     | B     | Al   | Na    | K     | W    | Hg    | Sc   | Tl   | S    | Ga  | Se   |
|        |            | Unit  | %     | ppm | ppm  | %    | ppm    | %     | ppm  | %     | %     | ppm  | ppm   | ppm  | ppm  | %    | ppm | ppm  |
|        |            | MDL   | 0.001 | 1   | 1    | 0.01 | 1      | 0.001 | 20   | 0.01  | 0.001 | 0.01 | 0.1   | 0.01 | 0.1  | 0.05 | 1   | 0.5  |
| 53589  | Drill Core | 0.005 | 9     | 16  | 0.39 | 3    | 0.001  | <20   | 0.74 | 0.050 | 0.02  | <0.1 | <0.01 | 1.3  | <0.1 | 0.49 | 4   | <0.5 |
| 53590  | Drill Core | 0.016 | 9     | 17  | 0.46 | 9    | 0.002  | <20   | 0.93 | 0.040 | 0.05  | <0.1 | <0.01 | 1.9  | <0.1 | 1.25 | 5   | <0.5 |
| 53591  | Drill Core | 0.009 | 8     | 17  | 0.59 | 11   | 0.002  | <20   | 1.16 | 0.047 | 0.07  | <0.1 | <0.01 | 1.8  | <0.1 | 0.33 | 5   | <0.5 |
| 53592  | Drill Core | 0.014 | 8     | 14  | 0.77 | 20   | 0.002  | <20   | 1.47 | 0.033 | 0.11  | <0.1 | <0.01 | 1.8  | <0.1 | 0.46 | 6   | <0.5 |
| 53593  | Drill Core | 0.019 | 5     | 14  | 1.21 | 17   | 0.002  | <20   | 1.83 | 0.018 | 0.12  | <0.1 | <0.01 | 1.7  | <0.1 | 0.65 | 7   | <0.5 |
| 53594  | Drill Core | 0.012 | 8     | 18  | 0.56 | 5    | 0.001  | <20   | 0.94 | 0.048 | 0.03  | <0.1 | <0.01 | 1.6  | <0.1 | 0.42 | 5   | <0.5 |
| 53595  | Drill Core | 0.024 | 6     | 24  | 1.01 | 17   | 0.002  | <20   | 2.04 | 0.027 | 0.09  | <0.1 | <0.01 | 3.0  | <0.1 | 1.35 | 10  | 0.6  |
| 53596  | Drill Core | 0.040 | 6     | 30  | 0.86 | 9    | 0.003  | <20   | 1.80 | 0.036 | 0.04  | 0.2  | <0.01 | 3.7  | <0.1 | 1.43 | 10  | <0.5 |
| 53597  | Drill Core | 0.017 | 6     | 23  | 0.64 | 8    | 0.002  | <20   | 1.40 | 0.046 | 0.05  | 2.5  | <0.01 | 2.8  | <0.1 | 2.11 | 7   | <0.5 |
| 53598  | Drill Core | 0.033 | 5     | 26  | 1.02 | 21   | 0.002  | <20   | 1.98 | 0.027 | 0.09  | <0.1 | <0.01 | 2.2  | <0.1 | 1.99 | 9   | <0.5 |
| 53599  | Drill Core | 0.042 | 4     | 23  | 1.32 | 14   | 0.002  | <20   | 2.25 | 0.026 | 0.10  | 0.4  | <0.01 | 2.0  | <0.1 | 1.44 | 9   | <0.5 |
| 53600  | Drill Core | 0.018 | 8     | 16  | 1.05 | 13   | 0.001  | <20   | 1.61 | 0.023 | 0.11  | 0.7  | <0.01 | 1.7  | <0.1 | 0.62 | 6   | <0.5 |
| 081851 | Drill Core | 0.038 | 18    | 7   | 3.53 | 27   | <0.001 | <20   | 1.27 | 0.012 | 0.16  | <0.1 | <0.01 | 3.5  | <0.1 | 1.02 | 4   | <0.5 |
| 081852 | Drill Core | 0.028 | 4     | 7   | 0.74 | 10   | <0.001 | <20   | 0.13 | 0.005 | 0.08  | 0.5  | <0.01 | 1.7  | <0.1 | 0.79 | <1  | <0.5 |
| 081853 | Drill Core | 0.031 | 3     | 3   | 2.06 | 16   | <0.001 | <20   | 0.19 | 0.004 | 0.13  | 1.0  | <0.01 | 4.4  | <0.1 | 1.25 | <1  | 0.7  |

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ZEUS/GARLEADER

Report Date:

October 10, 2008

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Page:

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Part 1

| Method | Analyte    | Unit | MDL | WGHT | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX   | 1DX  | 1DX   | 1DX  | 1DX | 1DX  | 1DX  | 1DX  | 1DX  |      |
|--------|------------|------|-----|------|------|------|-------|-----|------|------|-------|-----|------|-------|------|-------|------|-----|------|------|------|------|------|
|        |            |      |     | Wgt  | Mo   | Cu   | Pb    | Zn  | Ag   | Ni   | Co    | Mn  | Fe   | As    | U    | Au    | Th   | Sr  | Cd   | Sb   | Bi   | V    |      |
|        |            |      |     | kg   | ppm  | ppm  | ppm   | ppm | ppm  | ppm  | ppm   | ppm | %    | ppm   | ppm  | ppb   | ppm  | ppm | ppm  | ppm  | ppm  | %    |      |
|        |            |      |     | 0.01 | 0.1  | 0.1  | 0.1   | 1   | 0.1  | 0.1  | 0.1   | 1   | 0.01 | 0.5   | 0.1  | 0.5   | 0.1  | 1   | 0.1  | 0.1  | 0.1  | 0.01 |      |
| 81854  | Drill Core |      |     | 1.84 | 1.2  | 24.7 | 9.7   | 23  | <0.1 | 20.6 | 21.9  | 168 | 2.40 | 6.7   | 1.4  | 2.9   | 13.8 | 10  | <0.1 | 0.1  | 0.7  | 19   | 0.08 |
| 81855  | Drill Core |      |     | 2.98 | 1.7  | 5.5  | 3.0   | 7   | <0.1 | 20.2 | 30.9  | 172 | 1.83 | 14.2  | 0.7  | 15.3  | 8.2  | 19  | <0.1 | 0.1  | 0.5  | <2   | 0.42 |
| 81856  | Drill Core |      |     | 3.08 | 1.3  | 2.8  | 5.3   | 3   | <0.1 | 19.7 | 36.9  | 77  | 1.48 | 12.2  | 0.4  | 5.2   | 9.6  | 14  | <0.1 | 0.1  | 0.7  | 2    | 0.63 |
| 81857  | Drill Core |      |     | 2.88 | 0.6  | 1.7  | 5.9   | 3   | <0.1 | 18.1 | 28.9  | 108 | 1.44 | 9.9   | 0.4  | 2.3   | 10.5 | 31  | <0.1 | 0.1  | 0.4  | <2   | 1.18 |
| 81858  | Drill Core |      |     | 3.40 | 0.8  | 2.6  | 22.2  | 6   | <0.1 | 29.0 | 36.6  | 222 | 2.40 | 21.1  | 0.5  | 4.5   | 10.1 | 63  | 0.1  | <0.1 | 0.8  | <2   | 2.23 |
| 81859  | Drill Core |      |     | 3.32 | 0.5  | 0.8  | 22.8  | 6   | <0.1 | 11.0 | 6.9   | 206 | 1.05 | 10.1  | 0.3  | 3.9   | 6.4  | 62  | 0.1  | <0.1 | 0.2  | <2   | 2.01 |
| 81860  | Drill Core |      |     | 2.65 | 0.7  | 2.0  | 49.7  | 8   | 0.1  | 12.6 | 15.0  | 163 | 1.23 | 77.9  | 1.6  | 25.0  | 7.8  | 59  | <0.1 | 0.6  | 0.2  | 2    | 1.46 |
| 81861  | Drill Core |      |     | 2.24 | 1.0  | 24.2 | 342.5 | 120 | 1.0  | 13.5 | 39.1  | 181 | 1.58 | 1504  | 1.4  | 190.5 | 1.4  | 67  | 1.0  | 18.6 | 1.0  | 2    | 1.06 |
| 81862  | Drill Core |      |     | 1.73 | 0.8  | 2.5  | 83.5  | 25  | 0.3  | 22.1 | 79.4  | 511 | 3.01 | 17.5  | 1.3  | 13.9  | 0.9  | 38  | 0.2  | 0.6  | 0.8  | 2    | 1.93 |
| 81863  | Drill Core |      |     | 1.73 | 1.4  | 6.0  | 85.0  | 47  | 0.4  | 60.6 | 143.4 | 97  | 1.94 | 200.0 | 6.6  | 42.7  | 1.5  | 5   | 0.4  | 2.2  | 1.7  | <2   | 0.17 |
| 81864  | Drill Core |      |     | 2.33 | 1.3  | 3.1  | 11.4  | 4   | 0.1  | 62.6 | 162.9 | 124 | 2.31 | 15.9  | 5.1  | 12.1  | 0.5  | 9   | <0.1 | 0.3  | 1.2  | <2   | 0.43 |
| 81865  | Drill Core |      |     | 2.09 | 0.8  | 2.3  | 8.9   | 3   | <0.1 | 37.6 | 105.9 | 52  | 1.83 | 8.9   | 4.4  | 6.3   | 0.3  | 7   | <0.1 | 0.2  | 0.9  | <2   | 0.33 |
| 81866  | Drill Core |      |     | 2.33 | 0.7  | 2.2  | 4.3   | 2   | <0.1 | 23.6 | 78.9  | 79  | 1.57 | 8.1   | 4.4  | 8.3   | 0.6  | 6   | <0.1 | 0.2  | 0.6  | <2   | 0.42 |
| 81867  | Drill Core |      |     | 2.14 | 1.4  | 2.9  | 7.5   | 3   | <0.1 | 30.5 | 82.0  | 58  | 1.84 | 10.3  | 7.6  | 11.3  | 1.5  | 4   | <0.1 | 0.1  | 0.9  | <2   | 0.24 |
| 81868  | Drill Core |      |     | 2.07 | 1.4  | 1.0  | 2.4   | 5   | <0.1 | 16.6 | 35.8  | 127 | 1.02 | 4.0   | 3.5  | 4.6   | 2.6  | 6   | <0.1 | <0.1 | 0.3  | <2   | 0.85 |
| 81869  | Drill Core |      |     | 2.45 | 0.3  | 0.8  | 2.6   | 3   | <0.1 | 42.3 | 160.3 | 404 | 5.03 | 2.7   | 0.6  | 5.3   | 3.0  | 16  | <0.1 | 0.2  | 1.2  | <2   | 2.99 |
| 81870  | Drill Core |      |     | 1.61 | 0.3  | 0.5  | 2.4   | 3   | <0.1 | 39.4 | 118.3 | 667 | 4.71 | 2.9   | 0.5  | 5.3   | 2.4  | 22  | <0.1 | 0.1  | 0.9  | 2    | 4.45 |
| 866190 | Drill Core |      |     | 2.38 | <0.1 | 3.7  | 6.3   | 16  | <0.1 | 1.3  | 2.8   | 722 | 0.90 | <0.5  | 3.4  | 5.3   | 6.8  | 73  | <0.1 | 0.2  | <0.1 | 6    | 1.36 |
| 866191 | Drill Core |      |     | 2.30 | 0.2  | 9.2  | 7.6   | 4   | <0.1 | 1.4  | 2.7   | 849 | 0.66 | <0.5  | 7.4  | 62.1  | 4.5  | 172 | <0.1 | <0.1 | 0.1  | <2   | 2.35 |
| 866192 | Drill Core |      |     | 2.30 | 0.2  | 23.6 | 10.0  | 13  | <0.1 | 3.1  | 3.8   | 711 | 0.89 | <0.5  | 9.2  | 39.0  | 4.9  | 135 | <0.1 | <0.1 | 0.1  | 7    | 1.84 |
| 866193 | Drill Core |      |     | 2.76 | 0.2  | 3.6  | 13.1  | 13  | <0.1 | 1.8  | 1.7   | 317 | 0.66 | <0.5  | 14.7 | 1.2   | 6.6  | 27  | <0.1 | <0.1 | <0.1 | 7    | 0.41 |
| 866194 | Drill Core |      |     | 2.39 | 0.1  | 0.6  | 5.1   | 1   | <0.1 | 0.9  | 0.7   | 90  | 0.15 | <0.5  | 17.0 | 0.9   | 3.8  | 12  | <0.1 | <0.1 | <0.1 | <2   | 0.25 |
| 866195 | Drill Core |      |     | 2.06 | 0.3  | 0.9  | 7.9   | 3   | <0.1 | 1.3  | 0.9   | 112 | 0.53 | <0.5  | 27.0 | 2.3   | 3.8  | 11  | <0.1 | <0.1 | 0.1  | <2   | 0.22 |
| 866196 | Drill Core |      |     | 2.69 | 0.1  | 0.8  | 4.6   | 4   | <0.1 | 0.6  | 0.7   | 106 | 0.15 | <0.5  | 23.6 | 1.1   | 4.1  | 5   | <0.1 | <0.1 | <0.1 | <2   | 0.11 |
| 866197 | Drill Core |      |     | 2.40 | 0.1  | 0.6  | 7.7   | <1  | <0.1 | 0.8  | 0.3   | 59  | 0.16 | <0.5  | 16.7 | 0.8   | 4.0  | 7   | <0.1 | <0.1 | <0.1 | <2   | 0.14 |
| 866198 | Drill Core |      |     | 2.52 | <0.1 | 1.0  | 1.0   | 50  | <0.1 | 20.8 | 12.6  | 482 | 2.26 | 0.9   | 1.7  | 2.8   | 11.4 | 10  | <0.1 | <0.1 | 0.1  | 16   | 0.14 |
| 866199 | Drill Core |      |     | 2.05 | 0.2  | 0.6  | 2.6   | 35  | <0.1 | 16.3 | 8.2   | 442 | 1.54 | 0.9   | 1.0  | 0.5   | 7.2  | 10  | <0.1 | <0.1 | 0.2  | 14   | 0.40 |
| 866200 | Drill Core |      |     | 2.03 | 0.2  | 0.8  | 4.4   | 39  | <0.1 | 15.4 | 9.6   | 601 | 1.22 | 0.7   | 0.9  | 1.2   | 7.1  | 14  | <0.1 | <0.1 | 0.1  | 14   | 0.66 |
| 866201 | Drill Core |      |     | 2.65 | 0.2  | 7.2  | 2.2   | 42  | <0.1 | 16.8 | 9.8   | 723 | 1.84 | 0.6   | 0.8  | 1.3   | 7.4  | 12  | <0.1 | <0.1 | <0.1 | 17   | 0.24 |
| 866202 | Drill Core |      |     | 2.42 | 1.6  | 12.8 | 3.0   | 50  | <0.1 | 20.6 | 10.0  | 725 | 2.77 | 1.2   | 1.3  | 1.1   | 11.0 | 14  | <0.1 | <0.1 | 0.4  | 29   | 0.15 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

# AcmeLabs

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ACME ANALYTICAL LABORATORIES LTD.

Client:

**Ruby Red Resources Inc.**

301 - 8th St. South  
Cranbrook BC VIC 1P2 Canada

Project:

ZEUS/GARLEADER  
October 10, 2008

Report Date:

[www.acmelab.com](http://www.acmelab.com)

Page:

2 of 4 Part 2

| Analyte | Method     | 1DX   | 1DX   | 1DX | 1DX  | 1DX  | 1DX    | 1DX   | 1DX  | 1DX   | 1DX   | 1DX  | 1DX   | 1DX | 1DX  | 1DX   | 1DX |      |
|---------|------------|-------|-------|-----|------|------|--------|-------|------|-------|-------|------|-------|-----|------|-------|-----|------|
|         |            | P     | La    | Cr  | Mg   | Ba   | Ti     | B     | Al   | Na    | K     | W    | Hg    | Sc  | Tl   | S     | Ga  | Se   |
|         |            | %     | ppm   | ppm | %    | ppm  | %      | ppm   | %    | %     | %     | ppm  | ppm   | ppm | %    | ppm   | ppm |      |
|         |            | MDL   | 0.001 | 1   | 1    | 0.01 | 1      | 0.001 | 20   | 0.01  | 0.001 | 0.01 | 0.1   | 0.1 | 0.1  | 0.05  | 1   | 0.5  |
| 81854   | Drill Core | 0.022 | 13    | 21  | 0.28 | 28   | 0.003  | <20   | 0.77 | 0.033 | 0.14  | <0.1 | <0.01 | 2.3 | <0.1 | 0.25  | 3   | <0.5 |
| 81855   | Drill Core | 0.024 | 7     | 4   | 0.33 | 12   | <0.001 | <20   | 0.16 | 0.010 | 0.13  | <0.1 | <0.01 | 1.3 | <0.1 | 1.23  | <1  | <0.5 |
| 81856   | Drill Core | 0.017 | 4     | 5   | 0.30 | 11   | <0.001 | <20   | 0.19 | 0.004 | 0.15  | 0.1  | <0.01 | 0.7 | <0.1 | 1.27  | <1  | <0.5 |
| 81857   | Drill Core | 0.013 | 3     | 3   | 0.57 | 7    | <0.001 | <20   | 0.14 | 0.004 | 0.12  | 0.1  | <0.01 | 0.8 | <0.1 | 1.15  | <1  | <0.5 |
| 81858   | Drill Core | 0.019 | 2     | 4   | 1.15 | 7    | <0.001 | <20   | 0.15 | 0.004 | 0.13  | 0.2  | <0.01 | 1.4 | <0.1 | 1.82  | <1  | <0.5 |
| 81859   | Drill Core | 0.010 | 7     | 4   | 1.01 | 6    | <0.001 | <20   | 0.12 | 0.003 | 0.10  | 0.1  | <0.01 | 0.9 | <0.1 | 0.39  | <1  | <0.5 |
| 81860   | Drill Core | 0.010 | 5     | 3   | 0.70 | 10   | <0.001 | <20   | 0.15 | 0.004 | 0.13  | 0.2  | <0.01 | 1.2 | <0.1 | 0.73  | <1  | <0.5 |
| 81861   | Drill Core | 0.022 | 3     | 7   | 0.51 | 8    | <0.001 | <20   | 0.10 | 0.002 | 0.05  | 0.1  | 0.06  | 1.4 | <0.1 | 1.18  | <1  | 0.6  |
| 81862   | Drill Core | 0.030 | 1     | 6   | 1.13 | 7    | <0.001 | <20   | 0.08 | 0.002 | 0.06  | 0.1  | <0.01 | 2.6 | <0.1 | 1.89  | <1  | 1.3  |
| 81863   | Drill Core | 0.014 | 9     | 8   | 0.13 | 4    | <0.001 | <20   | 0.07 | 0.006 | 0.03  | 0.1  | <0.01 | 0.9 | <0.1 | 1.64  | <1  | <0.5 |
| 81864   | Drill Core | 0.051 | 7     | 12  | 0.17 | 4    | <0.001 | <20   | 0.07 | 0.002 | 0.05  | <0.1 | <0.01 | 1.0 | <0.1 | 2.13  | <1  | 1.0  |
| 81865   | Drill Core | 0.036 | 3     | 10  | 0.13 | 3    | <0.001 | <20   | 0.05 | 0.002 | 0.03  | <0.1 | <0.01 | 0.4 | <0.1 | 1.74  | <1  | 0.8  |
| 81866   | Drill Core | 0.018 | 4     | 8   | 0.20 | 5    | <0.001 | <20   | 0.08 | 0.003 | 0.05  | <0.1 | <0.01 | 0.7 | <0.1 | 1.39  | <1  | 0.8  |
| 81867   | Drill Core | 0.025 | 5     | 11  | 0.09 | 7    | <0.001 | <20   | 0.11 | 0.004 | 0.09  | <0.1 | <0.01 | 0.7 | <0.1 | 1.73  | <1  | 1.1  |
| 81868   | Drill Core | 0.012 | 7     | 12  | 0.47 | 11   | <0.001 | <20   | 0.12 | 0.005 | 0.11  | 0.2  | <0.01 | 1.7 | <0.1 | 0.69  | <1  | <0.5 |
| 81869   | Drill Core | 0.007 | 1     | 5   | 1.59 | 13   | <0.001 | <20   | 0.09 | 0.005 | 0.09  | <0.1 | <0.01 | 1.8 | <0.1 | 4.71  | <1  | 1.2  |
| 81870   | Drill Core | 0.004 | <1    | 5   | 2.29 | 12   | <0.001 | <20   | 0.09 | 0.006 | 0.09  | <0.1 | <0.01 | 2.8 | <0.1 | 3.70  | <1  | 0.8  |
| 866190  | Drill Core | 0.065 | 13    | 4   | 0.18 | 408  | 0.008  | <20   | 0.33 | 0.016 | 0.18  | <0.1 | <0.01 | 1.0 | <0.1 | 0.07  | 1   | <0.5 |
| 866191  | Drill Core | 0.058 | 7     | 3   | 0.09 | 575  | 0.002  | <20   | 0.20 | 0.017 | 0.19  | 0.1  | <0.01 | 0.6 | <0.1 | 0.44  | <1  | <0.5 |
| 866192  | Drill Core | 0.047 | 7     | 4   | 0.13 | 531  | 0.017  | <20   | 0.33 | 0.020 | 0.22  | 0.1  | <0.01 | 1.0 | 0.1  | 0.38  | 1   | <0.5 |
| 866193  | Drill Core | 0.022 | 6     | 7   | 0.15 | 80   | 0.028  | <20   | 0.37 | 0.036 | 0.19  | <0.1 | <0.01 | 0.9 | <0.1 | 0.14  | 2   | <0.5 |
| 866194  | Drill Core | 0.013 | 2     | 3   | 0.02 | 9    | 0.001  | <20   | 0.14 | 0.020 | 0.07  | <0.1 | <0.01 | 0.2 | <0.1 | <0.05 | <1  | <0.5 |
| 866195  | Drill Core | 0.016 | 2     | 4   | 0.02 | 6    | 0.002  | <20   | 0.17 | 0.033 | 0.10  | <0.1 | <0.01 | 0.3 | <0.1 | 0.36  | <1  | <0.5 |
| 866196  | Drill Core | 0.011 | 3     | 4   | 0.03 | 7    | 0.004  | <20   | 0.14 | 0.020 | 0.08  | <0.1 | <0.01 | 0.3 | <0.1 | <0.05 | <1  | <0.5 |
| 866197  | Drill Core | 0.012 | 2     | 6   | 0.01 | 6    | 0.001  | <20   | 0.14 | 0.020 | 0.10  | <0.1 | <0.01 | 0.3 | <0.1 | 0.05  | <1  | <0.5 |
| 866198  | Drill Core | 0.043 | 16    | 19  | 1.03 | 97   | 0.132  | <20   | 1.38 | 0.007 | 1.18  | 0.2  | <0.01 | 1.0 | 0.7  | <0.05 | 3   | <0.5 |
| 866199  | Drill Core | 0.039 | 10    | 20  | 0.72 | 82   | 0.095  | <20   | 1.01 | 0.009 | 0.83  | 0.1  | <0.01 | 1.1 | 0.4  | <0.05 | 3   | <0.5 |
| 866200  | Drill Core | 0.042 | 10    | 24  | 0.80 | 71   | 0.082  | <20   | 0.98 | 0.017 | 0.46  | <0.1 | <0.01 | 1.8 | 0.2  | <0.05 | 3   | <0.5 |
| 866201  | Drill Core | 0.037 | 10    | 22  | 0.94 | 90   | 0.095  | <20   | 1.23 | 0.014 | 0.79  | <0.1 | <0.01 | 1.4 | 0.4  | <0.05 | 3   | <0.5 |
| 866202  | Drill Core | 0.051 | 13    | 20  | 1.35 | 106  | 0.129  | <20   | 1.63 | 0.009 | 1.42  | <0.1 | <0.01 | 1.4 | 0.9  | 0.43  | 5   | <0.5 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Z-08-2  
ACME ANALYTICAL LABORATORIES LTD.

[www.acmelab.com](http://www.acmelab.com)

Client:

Ruby Red Resources Inc.

207 - 239 - 12th Ave S.W.  
Calgary AB T2R 1H6 Canada

Submitted By: Dawn Ewonus  
Receiving Lab: Canada-Vancouver  
Received: July 11, 2008  
Report Date: July 22, 2008  
Page: 1 of 4

## CERTIFICATE OF ANALYSIS

VAN08007200.1

### CLIENT JOB INFORMATION

Project: None Given **ZEUS Z-08-2**  
Shipment ID:  
P.O. Number  
Number of Samples: 75

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                 | Test Wgt (g) | Report Status |
|-------------|-------------------|--------------------------------------------------|--------------|---------------|
| R150        | 75                | Crush split and pulverize drill core to 200 mesh |              |               |
| 1DX         | 75                | 1:1:1 Aqua Regia digestion ICP-MS analysis       | 0.5          | Completed     |

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
DISP-RJT Dispose of Reject After 90 days

### ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Ruby Red Resources Inc.  
207 - 239 - 12th Ave S.W.  
Calgary AB T2R 1H6  
Canada

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.



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Client:

Ruby Red Resources Inc.

207 - 239 - 12th Ave S.W.

Calgary AB T2R 1H6 Canada

Project:

None Given

JZ08-2

Report Date:

July 22, 2008

Page:

2 of 4

Part 1

| Analyte | Method     | Unit | WGHT | 1DX  | 1DX   | 1DX   | 1DX | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  |          |
|---------|------------|------|------|------|-------|-------|-----|------|------|------|-----|------|-------|-----|------|------|-----|------|------|------|----------|
|         |            |      | Wgt  | Mo   | Cu    | Pb    | Zn  | Ag   | Ni   | Co   | Mn  | Fe   | As    | U   | Au   | Th   | Sr  | Cd   | Sb   | V    |          |
|         |            |      | kg   | ppm  | ppm   | ppm   | ppm | ppm  | ppm  | ppm  | ppm | %    | ppm   | ppm | ppb  | ppm  | ppm | ppm  | ppm  | ppm  |          |
|         |            |      | MDL  | 0.01 | 0.1   | 0.1   | 0.1 | 1    | 0.1  | 0.1  | 1   | 0.01 | 0.5   | 0.1 | 0.5  | 0.1  | 0.1 | 0.1  | 0.1  | 2    | 0.01     |
| 53528   | Drill Core |      | 4.15 | 5.3  | 241.0 | 19.1  | 5   | 0.4  | 18.2 | 41.4 | 42  | 2.44 | 61.3  | 1.6 | 12.0 | 8.6  | 5   | <0.1 | 0.2  | 4.1  | <2 0.07  |
| 53529   | Drill Core |      | 4.52 | 5.1  | 585.3 | 28.8  | 10  | 0.8  | 21.6 | 74.3 | 26  | 3.43 | 101.6 | 1.8 | 5.7  | 8.0  | 4   | 0.1  | 0.2  | 5.2  | 2 0.06   |
| 53531   | Drill Core |      | 3.13 | 0.8  | 14.3  | 6.3   | 1   | <0.1 | 6.2  | 11.3 | 20  | 0.79 | 18.0  | 1.1 | 1.6  | 7.8  | 2   | <0.1 | 0.1  | 0.8  | <2 0.02  |
| 53532   | Drill Core |      | 2.46 | 4.0  | 81.1  | 103.1 | 4   | 1.2  | 8.5  | 9.2  | 27  | 1.01 | 13.0  | 0.8 | 62.7 | 6.0  | 2   | <0.1 | 0.9  | 4.3  | <2 0.03  |
| 53533   | Drill Core |      | 2.18 | 3.4  | 241.2 | 23.4  | 5   | 0.3  | 21.9 | 34.4 | 13  | 2.41 | 56.7  | 3.2 | 17.5 | 12.8 | 4   | <0.1 | 0.4  | 2.5  | <2 0.05  |
| 53534   | Drill Core |      | 2.71 | 2.5  | 6091  | 39.7  | 31  | 4.1  | 37.4 | 59.6 | 17  | 5.69 | 101.5 | 1.9 | 22.6 | 10.4 | 2   | 0.4  | 0.8  | 3.9  | <2 0.02  |
| 53535   | Drill Core |      | 2.91 | 1.5  | 226.4 | 8.2   | 23  | 0.2  | 6.6  | 14.2 | 22  | 1.31 | 25.1  | 2.1 | 9.8  | 12.5 | 2   | <0.1 | 0.2  | 1.4  | <2 0.03  |
| 53536   | Drill Core |      | 2.26 | 1.1  | 1051  | 14.4  | 9   | 0.9  | 15.9 | 27.3 | 17  | 2.33 | 47.3  | 1.5 | 28.6 | 10.9 | 2   | 0.2  | 0.2  | 3.4  | <2 0.02  |
| 53537   | Drill Core |      | 2.69 | 0.6  | 84.6  | 12.2  | 3   | 0.1  | 11.9 | 24.2 | 17  | 2.37 | 40.3  | 1.1 | 8.6  | 9.6  | 2   | <0.1 | <0.1 | 2.0  | <2 0.02  |
| 53538   | Drill Core |      | 2.53 | 2.0  | 652.2 | 9.0   | 3   | 0.5  | 8.2  | 22.9 | 14  | 1.32 | 33.9  | 1.6 | 4.0  | 12.3 | 2   | <0.1 | 0.1  | 5.1  | <2 0.04  |
| 53539   | Drill Core |      | 2.61 | 8.4  | 552.6 | 8.1   | 6   | 0.3  | 20.6 | 52.1 | 16  | 2.81 | 75.1  | 1.9 | 2.2  | 10.8 | 5   | <0.1 | 0.2  | 3.9  | 2 0.09   |
| 53540   | Drill Core |      | 2.70 | 3.7  | 26.4  | 7.6   | 9   | <0.1 | 24.5 | 63.7 | 24  | 3.60 | 60.4  | 1.6 | 4.5  | 11.0 | 4   | <0.1 | 0.1  | 2.8  | 3 0.05   |
| 53541   | Drill Core |      | 2.90 | 0.6  | 8.0   | 6.6   | 6   | <0.1 | 7.9  | 14.6 | 81  | 1.06 | 10.9  | 1.4 | 0.9  | 11.4 | 2   | <0.1 | <0.1 | 0.5  | <2 0.04  |
| 53542   | Drill Core |      | 2.17 | 1.0  | 12.7  | 3.0   | 4   | <0.1 | 4.9  | 5.7  | 27  | 0.73 | 6.9   | 0.9 | 0.9  | 7.6  | 1   | <0.1 | <0.1 | 0.4  | <2 0.02  |
| 53543   | Drill Core |      | 2.70 | 0.4  | 2.6   | 0.9   | 9   | <0.1 | 6.0  | 3.6  | 40  | 1.41 | 4.4   | 1.3 | <0.5 | 10.2 | 2   | <0.1 | <0.1 | 0.2  | 3 0.02   |
| 53544   | Drill Core |      | 2.80 | 0.5  | 2.2   | 0.9   | 9   | <0.1 | 8.5  | 4.5  | 31  | 1.93 | 6.0   | 1.7 | <0.5 | 16.3 | 3   | <0.1 | <0.1 | 0.2  | 6 0.04   |
| 53545   | Drill Core |      | 3.64 | 0.4  | 4.8   | 1.3   | 7   | <0.1 | 10.7 | 9.9  | 31  | 1.62 | 5.3   | 1.6 | <0.5 | 14.1 | 2   | <0.1 | <0.1 | 0.2  | 5 0.02   |
| 53546   | Drill Core |      | 2.77 | 0.8  | 2.2   | 1.7   | 5   | <0.1 | 14.1 | 25.2 | 26  | 2.00 | 13.8  | 1.3 | <0.5 | 7.7  | 2   | <0.1 | 0.2  | 0.5  | 4 0.03   |
| 53547   | Drill Core |      | 3.10 | 0.9  | 16.1  | 4.7   | 8   | <0.1 | 25.0 | 31.5 | 41  | 3.58 | 31.3  | 1.7 | 3.2  | 11.8 | 2   | <0.1 | 0.5  | 1.3  | 16 0.03  |
| 53548   | Drill Core |      | 2.04 | 0.5  | 2.1   | 1.4   | 5   | <0.1 | 8.5  | 8.1  | 24  | 1.14 | 4.9   | 1.5 | <0.5 | 11.7 | 2   | <0.1 | <0.1 | 0.2  | 4 0.02   |
| 53549   | Drill Core |      | 2.81 | 0.3  | 1.7   | 1.8   | 8   | <0.1 | 11.0 | 13.7 | 27  | 1.49 | 7.0   | 1.5 | <0.5 | 12.7 | 4   | <0.1 | 0.1  | 0.3  | 5 0.03   |
| 53550   | Drill Core |      | 3.09 | 0.7  | 8.7   | 25.7  | 18  | 0.2  | 21.3 | 40.7 | 23  | 1.88 | 24.2  | 1.5 | 17.6 | 12.8 | 2   | <0.1 | 0.2  | 10.2 | <2 0.02  |
| 53551   | Drill Core |      | 3.15 | 0.6  | 3.5   | 3.9   | 2   | <0.1 | 11.3 | 29.0 | 12  | 0.96 | 8.3   | 3.3 | 2.0  | 15.9 | 2   | <0.1 | <0.1 | 0.5  | <2 <0.01 |
| 53552   | Drill Core |      | 3.55 | 0.8  | 11.2  | 3.5   | 1   | <0.1 | 8.4  | 16.4 | 11  | 0.79 | 10.8  | 2.3 | 1.4  | 19.1 | 1   | <0.1 | <0.1 | 0.4  | <2 <0.01 |
| 53553   | Drill Core |      | 3.02 | 0.7  | 156.2 | 2.1   | 4   | 0.1  | 7.6  | 11.2 | 17  | 0.98 | 10.4  | 1.7 | 0.5  | 7.9  | 1   | <0.1 | <0.1 | 0.4  | 3 <0.01  |
| 53554   | Drill Core |      | 4.30 | 3.3  | 77.1  | 124.5 | 13  | 1.0  | 22.0 | 37.8 | 24  | 2.80 | 52.8  | 1.5 | 27.3 | 4.9  | 2   | <0.1 | 0.2  | 5.8  | 4 <0.01  |
| 53555   | Drill Core |      | 2.37 | 0.6  | 28.7  | 10.7  | 22  | <0.1 | 13.7 | 11.6 | 183 | 3.44 | 17.1  | 1.4 | 10.4 | 10.4 | 3   | <0.1 | <0.1 | 7.8  | 5 0.06   |
| 53556   | Drill Core |      | 2.86 | 0.8  | 383.7 | 20.3  | 12  | 0.3  | 14.7 | 15.3 | 180 | 3.48 | 22.3  | 1.2 | 22.7 | 8.8  | 2   | <0.1 | <0.1 | 26.4 | 4 0.04   |
| 53557   | Drill Core |      | 2.47 | 0.5  | 12.2  | 2.6   | 5   | <0.1 | 6.4  | 2.3  | 94  | 1.51 | 3.2   | 1.0 | 1.3  | 7.1  | 2   | <0.1 | <0.1 | 1.7  | 3 0.03   |
| 53558   | Drill Core |      | 2.87 | 0.5  | 2325  | 8.4   | 12  | 0.4  | 10.0 | 6.6  | 139 | 2.57 | 11.5  | 1.0 | 3.2  | 6.8  | 2   | 0.1  | <0.1 | 11.8 | 5 0.03   |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

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Project:

None Given ~~2008-1~~

Report Date:

July 22, 2008

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Part 2

| Analyte | Method     | 1DX   | 1DX | 1DX | 1DX   | 1DX | 1DX    | 1DX | 1DX  | 1DX   | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX |      |
|---------|------------|-------|-----|-----|-------|-----|--------|-----|------|-------|------|------|-------|-----|------|------|-----|------|
|         | P          | La    | Cr  | Mg  | Ba    | Ti  | B      | Al  | Na   | K     | W    | Hg   | Sc    | Tl  | S    | Ga   | Se  |      |
|         | Unit       | %     | ppm | ppm | %     | ppm | %      | ppm | %    | %     | ppm  | ppm  | ppm   | ppm | %    | ppm  | ppm |      |
|         | MDL        | 0.001 | 1   | 1   | 0.01  | 1   | 0.001  | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.01  | 0.1 | 0.05 | 1    | 0.5 |      |
| 53528   | Drill Core | 0.030 | 4   | 7   | 0.02  | 27  | <0.001 | <20 | 0.23 | 0.009 | 0.16 | 0.3  | <0.01 | 0.6 | <0.1 | 2.50 | <1  | 0.5  |
| 53529   | Drill Core | 0.024 | 3   | 5   | 0.02  | 27  | <0.001 | <20 | 0.23 | 0.008 | 0.17 | 0.1  | <0.01 | 0.8 | <0.1 | 3.70 | <1  | 0.9  |
| 53531   | Drill Core | 0.008 | 5   | 5   | 0.02  | 27  | <0.001 | <20 | 0.25 | 0.011 | 0.18 | 0.6  | <0.01 | 0.6 | <0.1 | 0.70 | <1  | 0.5  |
| 53532   | Drill Core | 0.011 | 3   | 7   | <0.01 | 18  | <0.001 | <20 | 0.15 | 0.007 | 0.12 | 0.6  | <0.01 | 0.4 | <0.1 | 0.93 | <1  | <0.5 |
| 53533   | Drill Core | 0.019 | 3   | 3   | 0.01  | 22  | <0.001 | <20 | 0.20 | 0.008 | 0.14 | 0.1  | <0.01 | 0.8 | <0.1 | 2.64 | <1  | 0.8  |
| 53534   | Drill Core | 0.010 | 2   | 4   | 0.01  | 23  | <0.001 | <20 | 0.17 | 0.007 | 0.14 | 0.2  | <0.01 | 0.5 | <0.1 | 6.26 | <1  | 2.2  |
| 53535   | Drill Core | 0.012 | 4   | 3   | 0.02  | 23  | <0.001 | <20 | 0.22 | 0.007 | 0.14 | 0.3  | <0.01 | 0.7 | <0.1 | 1.32 | <1  | <0.5 |
| 53536   | Drill Core | 0.008 | 4   | 5   | 0.01  | 25  | <0.001 | <20 | 0.18 | 0.007 | 0.15 | 0.2  | <0.01 | 0.5 | <0.1 | 2.49 | <1  | 0.9  |
| 53537   | Drill Core | 0.006 | 5   | 7   | 0.05  | 23  | <0.001 | <20 | 0.21 | 0.008 | 0.14 | 0.1  | <0.01 | 0.4 | <0.1 | 2.52 | <1  | 1.4  |
| 53538   | Drill Core | 0.017 | 6   | 4   | 0.05  | 33  | <0.001 | <20 | 0.29 | 0.008 | 0.20 | 0.3  | <0.01 | 0.5 | <0.1 | 1.32 | <1  | <0.5 |
| 53539   | Drill Core | 0.040 | 3   | 4   | 0.19  | 26  | <0.001 | <20 | 0.36 | 0.008 | 0.15 | 0.2  | <0.01 | 0.5 | <0.1 | 3.03 | 1   | 0.8  |
| 53540   | Drill Core | 0.020 | 3   | 10  | 0.45  | 21  | <0.001 | <20 | 0.61 | 0.007 | 0.12 | 0.1  | <0.01 | 0.7 | <0.1 | 3.50 | 2   | 0.9  |
| 53541   | Drill Core | 0.020 | 6   | 6   | 0.26  | 20  | <0.001 | <20 | 0.40 | 0.007 | 0.12 | 0.3  | <0.01 | 0.4 | <0.1 | 0.66 | 1   | <0.5 |
| 53542   | Drill Core | 0.006 | 4   | 8   | 0.19  | 15  | <0.001 | <20 | 0.27 | 0.006 | 0.10 | 0.2  | <0.01 | 0.4 | <0.1 | 0.40 | <1  | <0.5 |
| 53543   | Drill Core | 0.009 | 5   | 13  | 0.80  | 17  | <0.001 | <20 | 0.96 | 0.007 | 0.10 | <0.1 | <0.01 | 0.7 | <0.1 | 0.23 | 3   | <0.5 |
| 53544   | Drill Core | 0.018 | 8   | 13  | 1.07  | 20  | 0.001  | <20 | 1.34 | 0.008 | 0.11 | 0.2  | <0.01 | 1.0 | <0.1 | 0.35 | 4   | <0.5 |
| 53545   | Drill Core | 0.009 | 9   | 13  | 0.96  | 20  | 0.001  | <20 | 1.16 | 0.007 | 0.12 | <0.1 | <0.01 | 0.8 | <0.1 | 0.35 | 3   | <0.5 |
| 53546   | Drill Core | 0.010 | 6   | 10  | 0.69  | 16  | <0.001 | <20 | 0.87 | 0.009 | 0.10 | 0.2  | <0.01 | 0.7 | <0.1 | 1.25 | 3   | <0.5 |
| 53547   | Drill Core | 0.013 | 2   | 15  | 1.39  | 18  | 0.001  | <20 | 1.57 | 0.007 | 0.11 | 0.1  | <0.01 | 1.2 | <0.1 | 2.22 | 6   | 0.8  |
| 53548   | Drill Core | 0.008 | 8   | 8   | 0.76  | 18  | <0.001 | <20 | 0.92 | 0.008 | 0.10 | <0.1 | <0.01 | 0.6 | <0.1 | 0.35 | 2   | <0.5 |
| 53549   | Drill Core | 0.013 | 14  | 9   | 0.92  | 21  | <0.001 | <20 | 1.09 | 0.008 | 0.13 | 0.2  | <0.01 | 0.8 | <0.1 | 0.50 | 3   | <0.5 |
| 53550   | Drill Core | 0.007 | 5   | 7   | 0.28  | 16  | <0.001 | <20 | 0.40 | 0.006 | 0.10 | 0.1  | <0.01 | 0.4 | <0.1 | 1.69 | <1  | 1.2  |
| 53551   | Drill Core | 0.004 | 10  | 5   | 0.11  | 23  | <0.001 | <20 | 0.26 | 0.006 | 0.15 | <0.1 | <0.01 | 0.5 | <0.1 | 0.97 | <1  | <0.5 |
| 53552   | Drill Core | 0.001 | 3   | 5   | 0.02  | 22  | <0.001 | <20 | 0.18 | 0.006 | 0.14 | <0.1 | <0.01 | 0.4 | <0.1 | 0.84 | <1  | <0.5 |
| 53553   | Drill Core | 0.001 | 3   | 8   | 0.21  | 13  | <0.001 | <20 | 0.27 | 0.005 | 0.09 | 0.1  | <0.01 | 0.3 | <0.1 | 0.86 | 1   | <0.5 |
| 53554   | Drill Core | 0.002 | 3   | 7   | 0.06  | 14  | <0.001 | <20 | 0.19 | 0.004 | 0.09 | <0.1 | <0.01 | 0.5 | <0.1 | 2.99 | <1  | 0.9  |
| 53555   | Drill Core | 0.021 | 6   | 6   | 0.61  | 31  | <0.001 | <20 | 0.63 | 0.011 | 0.15 | <0.1 | <0.01 | 1.1 | <0.1 | 0.61 | 2   | <0.5 |
| 53556   | Drill Core | 0.013 | 4   | 7   | 0.46  | 20  | <0.001 | <20 | 0.52 | 0.010 | 0.10 | <0.1 | <0.01 | 0.9 | <0.1 | 1.16 | 2   | <0.5 |
| 53557   | Drill Core | 0.008 | 11  | 7   | 0.25  | 18  | <0.001 | <20 | 0.39 | 0.020 | 0.07 | <0.1 | <0.01 | 0.6 | <0.1 | 0.11 | 1   | <0.5 |
| 53558   | Drill Core | 0.010 | 6   | 9   | 0.36  | 18  | <0.001 | <20 | 0.59 | 0.017 | 0.09 | <0.1 | <0.01 | 0.8 | <0.1 | 0.70 | 2   | <0.5 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project:

None Given *ZOB-2*

Report Date:

July 22, 2008

Page:

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Part 1

| Analyte | Method     | Unit | WGHT | 1DX | 1DX   | 1DX  | 1DX | 1DX  | 1DX   | 1DX   | 1DX | 1DX   | 1DX   | 1DX | 1DX   | 1DX  | 1DX | 1DX  | 1DX  | 1DX  |      |       |
|---------|------------|------|------|-----|-------|------|-----|------|-------|-------|-----|-------|-------|-----|-------|------|-----|------|------|------|------|-------|
|         |            |      | Wgt  | Mo  | Cu    | Pb   | Zn  | Ag   | Ni    | Co    | Mn  | Fe    | As    | U   | Au    | Th   | Sr  | Cd   | Sb   | V    | Ca   |       |
|         |            |      | kg   | ppm | ppm   | ppm  | ppm | ppm  | ppm   | ppm   | ppm | %     | ppm   | ppm | ppb   | ppm  | ppm | ppm  | ppm  | ppm  | %    |       |
| MDL     |            |      | 0.01 | 0.1 | 0.1   | 0.1  | 1   | 0.1  | 0.1   | 0.1   | 1   | 0.01  | 0.5   | 0.1 | 0.6   | 0.1  | 1   | 0.1  | 0.1  | 2    | 0.01 |       |
| 53559   | Drill Core |      | 3.01 | 0.7 | 986.0 | 3.8  | 8   | 0.2  | 10.1  | 3.0   | 98  | 2.18  | 4.8   | 1.3 | 1.5   | 8.6  | 2   | <0.1 | <0.1 | 4.0  | 8    | 0.03  |
| 53560   | Drill Core |      | 2.64 | 0.6 | 41.7  | 3.9  | 14  | <0.1 | 17.9  | 11.4  | 70  | 3.97  | 14.0  | 1.8 | 1.2   | 12.2 | 3   | <0.1 | <0.1 | 2.3  | 12   | 0.05  |
| 53561   | Drill Core |      | 2.78 | 0.6 | 61.2  | 2.1  | 10  | <0.1 | 9.1   | 8.4   | 110 | 2.30  | 8.4   | 1.1 | 0.8   | 8.1  | 3   | <0.1 | <0.1 | 0.8  | 7    | 0.04  |
| 53562   | Drill Core |      | 2.69 | 0.8 | 776.0 | 28.0 | 12  | 0.2  | 15.3  | 27.7  | 28  | 2.20  | 54.5  | 1.6 | 3.5   | 11.6 | 3   | <0.1 | 0.2  | 45.1 | 6    | 0.05  |
| 53563   | Drill Core |      | 2.26 | 0.5 | 355.3 | 4.3  | 15  | <0.1 | 11.9  | 32.2  | 32  | 2.45  | 54.0  | 1.1 | 1.7   | 7.4  | 3   | <0.1 | 0.1  | 3.0  | 4    | 0.06  |
| 53564   | Drill Core |      | 3.16 | 0.8 | 1178  | 8.9  | 5   | 0.5  | 35.8  | 87.4  | 18  | 4.61  | 188.6 | 0.9 | 31.1  | 6.8  | 2   | 0.1  | 0.5  | 5.9  | 3    | 0.02  |
| 53565   | Drill Core |      | 2.54 | 1.2 | 33.9  | 6.5  | 2   | <0.1 | 49.6  | 111.5 | 16  | 5.29  | 146.7 | 1.2 | 18.2  | 5.6  | 2   | <0.1 | 0.2  | 5.9  | 3    | 0.03  |
| 53566   | Drill Core |      | 3.47 | 0.9 | 3786  | 20.9 | 9   | 0.7  | 229.7 | 174.0 | 27  | 11.00 | 421.3 | 0.2 | 50.3  | 0.5  | <1  | 0.1  | 0.5  | 12.3 | <2   | <0.01 |
| 53567   | Drill Core |      | 1.88 | 2.6 | 2594  | 5.6  | 11  | 0.4  | 126.1 | 153.6 | 23  | 8.48  | 322.5 | 1.9 | 49.7  | 8.0  | 1   | 0.1  | 0.2  | 9.3  | <2   | <0.01 |
| 53568   | Drill Core |      | 3.40 | 0.4 | 44.0  | 1.1  | 24  | <0.1 | 15.7  | 10.5  | 143 | 2.94  | 9.8   | 1.5 | 3.1   | 8.3  | 2   | <0.1 | <0.1 | 0.8  | 9    | 0.03  |
| 53569   | Drill Core |      | 3.38 | 0.6 | 357.8 | 3.2  | 24  | 0.1  | 15.6  | 12.7  | 277 | 3.31  | 10.1  | 1.3 | 2.8   | 7.5  | 3   | <0.1 | 0.1  | 1.4  | 10   | 0.05  |
| 53570   | Drill Core |      | 2.36 | 0.4 | 6.5   | 1.8  | 20  | <0.1 | 13.1  | 10.4  | 203 | 3.06  | 7.2   | 1.3 | 1.7   | 7.6  | 4   | <0.1 | <0.1 | 0.5  | 7    | 0.07  |
| 53571   | Drill Core |      | 2.68 | 0.3 | 4.1   | 0.8  | 21  | <0.1 | 12.3  | 7.6   | 125 | 2.72  | 5.5   | 1.1 | <0.5  | 7.0  | 4   | <0.1 | <0.1 | 0.3  | 8    | 0.07  |
| 53572   | Drill Core |      | 3.01 | 0.2 | 3.6   | 0.9  | 11  | <0.1 | 8.5   | 9.3   | 75  | 1.83  | 6.2   | 1.3 | <0.5  | 8.4  | 3   | <0.1 | <0.1 | 0.3  | 5    | 0.07  |
| 53573   | Drill Core |      | 2.42 | 0.4 | 21.5  | 1.7  | 12  | <0.1 | 18.8  | 34.5  | 189 | 3.34  | 24.3  | 2.7 | 3.4   | 11.8 | 6   | <0.1 | 0.1  | 0.9  | 11   | 0.13  |
| 53574   | Drill Core |      | 2.66 | 0.5 | 48.7  | 2.1  | 12  | <0.1 | 13.5  | 25.4  | 167 | 2.48  | 20.0  | 1.7 | 1.5   | 9.7  | 5   | <0.1 | <0.1 | 0.7  | 7    | 0.10  |
| 53575   | Drill Core |      | 2.57 | 0.3 | 24.4  | 1.3  | 15  | <0.1 | 13.0  | 6.4   | 97  | 2.56  | 6.3   | 1.9 | 1.1   | 9.5  | 4   | <0.1 | <0.1 | 0.3  | 14   | 0.07  |
| 53576   | Drill Core |      | 3.07 | 0.3 | 27.7  | 1.2  | 14  | <0.1 | 11.5  | 10.4  | 79  | 2.07  | 10.5  | 1.5 | 2.4   | 10.5 | 4   | <0.1 | <0.1 | 0.6  | 13   | 0.06  |
| 53577   | Drill Core |      | 2.76 | 3.4 | 2103  | 4.9  | 8   | 0.7  | 30.7  | 48.6  | 38  | 5.08  | 27.3  | 0.8 | 8.7   | 3.5  | 1   | 0.1  | 0.2  | 3.4  | 2    | <0.01 |
| 53578   | Drill Core |      | 4.31 | 1.6 | 39.8  | 7.1  | 9   | <0.1 | 29.5  | 85.8  | 18  | 3.66  | 38.1  | 1.2 | 7.5   | 6.0  | 3   | <0.1 | 0.1  | 4.1  | 3    | 0.04  |
| 53579   | Drill Core |      | 2.38 | 3.0 | 26.2  | 7.8  | 7   | <0.1 | 89.2  | 101.9 | 27  | 5.71  | 109.6 | 4.5 | 31.5  | 1.9  | 2   | <0.1 | 0.3  | 4.7  | 5    | 0.02  |
| 53580   | Drill Core |      | 2.94 | 1.0 | 25.4  | 11.9 | 2   | <0.1 | 51.5  | 73.6  | 28  | 5.97  | 128.6 | 3.4 | 65.3  | 0.7  | 2   | <0.1 | 0.3  | 5.1  | <2   | 0.01  |
| 53581   | Drill Core |      | 2.79 | 4.2 | 759.0 | 5.2  | 16  | 0.2  | 28.2  | 35.5  | 28  | 4.08  | 24.7  | 1.1 | 16.3  | 5.2  | 2   | <0.1 | 0.2  | 2.8  | 9    | 0.02  |
| 53582   | Drill Core |      | 6.33 | 0.7 | 518.8 | 2.7  | 21  | <0.1 | 16.5  | 16.1  | 167 | 3.59  | 13.0  | 1.2 | 11.4  | 9.5  | 6   | <0.1 | <0.1 | 1.2  | 9    | 0.12  |
| 53583   | Drill Core |      | 2.81 | 0.5 | 2404  | 6.2  | 14  | 0.3  | 32.4  | 95.1  | 42  | 7.51  | 278.7 | 0.6 | 139.8 | 4.0  | 2   | <0.1 | 0.1  | 13.4 | 10   | 0.04  |
| 53584   | Drill Core |      | 2.66 | 1.1 | 2706  | 5.4  | 9   | 0.2  | 41.8  | 76.1  | 31  | 6.71  | 157.2 | 0.6 | 1696  | 1.7  | <1  | 0.1  | 0.2  | 7.6  | 12   | <0.01 |
| 53585   | Drill Core |      | 3.37 | 2.0 | 137.9 | 25.7 | 10  | <0.1 | 55.2  | 119.8 | 59  | 7.04  | 105.7 | 3.8 | 19.6  | 8.1  | 1   | <0.1 | 0.3  | 6.3  | 6    | 0.01  |
| 53586   | Drill Core |      | 2.48 | 1.5 | 1992  | 7.5  | 16  | 0.5  | 101.3 | 61.9  | 90  | 4.91  | 43.7  | 0.9 | 84.5  | 2.5  | 7   | <0.1 | 0.2  | 4.2  | 38   | 0.18  |
| 53587   | Drill Core |      | 2.38 | 0.5 | 28.5  | 2.3  | 9   | <0.1 | 20.6  | 20.2  | 138 | 3.11  | 15.7  | 1.2 | 9.0   | 8.9  | 2   | <0.1 | <0.1 | 1.2  | 9    | 0.04  |
| 53588   | Drill Core |      | 2.46 | 0.6 | 93.9  | 1.5  | 5   | <0.1 | 10.6  | 6.8   | 79  | 1.81  | 6.0   | 1.0 | 4.3   | 11.5 | 2   | <0.1 | <0.1 | 0.8  | 6    | 0.02  |

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Project:

None Given *Z-0874*

Report Date:

July 22, 2008

Page:

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Part 2

| Analyte | Method     | 1DX    | 1DX | 1DX  | 1DX  | 1DX  | 1DX    | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX |      |   |
|---------|------------|--------|-----|------|------|------|--------|------|------|-------|------|------|------|------|------|------|-----|------|---|
|         | P          | ppm    | La  | ppm  | Cr   | ppm  | Mg     | ppm  | Ba   | ppm   | Tl   | ppm  | B    | ppm  | Al   | ppm  | Na  | ppm  |   |
|         | Unit       | %      | ppm | Unit | %    | Unit | %      | Unit | %    | Unit  | %    | Unit | %    | Unit | %    | Unit | %   | Unit | % |
|         | MDL        | 0.001  | 1   | 1    | 0.01 | 1    | 0.001  | 20   | 0.01 | 0.001 | 0.01 | 0.1  | 0.01 | 0.1  | 0.1  | 0.05 | 1   | 0.5  |   |
| 53559   | Drill Core | 0.009  | 8   | 11   | 0.35 | 19   | 0.001  | <20  | 0.86 | 0.019 | 0.08 | <0.1 | <0.1 | 1.0  | <0.1 | 0.26 | 3   | <0.5 |   |
| 53560   | Drill Core | 0.020  | 3   | 13   | 0.72 | 24   | 0.002  | <20  | 1.71 | 0.007 | 0.11 | <0.1 | <0.1 | 1.4  | <0.1 | 0.70 | 6   | <0.5 |   |
| 53561   | Drill Core | 0.018  | 8   | 9    | 0.40 | 21   | 0.001  | <20  | 0.86 | 0.018 | 0.10 | <0.1 | <0.1 | 1.0  | <0.1 | 0.43 | 3   | <0.5 |   |
| 53562   | Drill Core | 0.018  | 3   | 5    | 0.26 | 26   | <0.001 | <20  | 0.61 | 0.010 | 0.15 | <0.1 | <0.1 | 0.7  | <0.1 | 1.64 | 2   | <0.5 |   |
| 53563   | Drill Core | 0.028  | 5   | 4    | 0.22 | 24   | <0.001 | <20  | 0.52 | 0.013 | 0.14 | <0.1 | <0.1 | 0.5  | <0.1 | 2.11 | 2   | <0.5 |   |
| 53564   | Drill Core | 0.011  | 1   | 4    | 0.07 | 17   | <0.001 | <20  | 0.22 | 0.006 | 0.13 | 0.1  | <0.1 | 0.7  | <0.1 | 4.86 | <1  | 1.0  |   |
| 53565   | Drill Core | 0.012  | 4   | 4    | 0.05 | 14   | <0.001 | <20  | 0.23 | 0.007 | 0.14 | <0.1 | <0.1 | 0.4  | <0.1 | 5.05 | <1  | 1.3  |   |
| 53566   | Drill Core | <0.001 | <1  | 7    | 0.04 | 2    | <0.001 | <20  | 0.06 | 0.003 | 0.02 | <0.1 | <0.1 | 0.2  | <0.1 | 9.89 | <1  | 3.3  |   |
| 53567   | Drill Core | <0.001 | 1   | 5    | 0.16 | 11   | <0.001 | <20  | 0.28 | 0.004 | 0.11 | <0.1 | <0.1 | 0.4  | <0.1 | 7.41 | <1  | 1.7  |   |
| 53568   | Drill Core | 0.011  | 6   | 11   | 1.11 | 17   | 0.001  | <20  | 1.53 | 0.006 | 0.11 | <0.1 | <0.1 | 0.9  | <0.1 | 0.42 | 4   | <0.5 |   |
| 53569   | Drill Core | 0.019  | 10  | 8    | 0.72 | 27   | 0.002  | <20  | 1.21 | 0.012 | 0.13 | <0.1 | <0.1 | 1.1  | <0.1 | 0.39 | 4   | <0.5 |   |
| 53570   | Drill Core | 0.031  | 9   | 7    | 0.89 | 22   | 0.001  | <20  | 1.18 | 0.008 | 0.14 | <0.1 | <0.1 | 1.0  | <0.1 | 0.31 | 3   | <0.5 |   |
| 53571   | Drill Core | 0.031  | 11  | 8    | 1.20 | 26   | 0.002  | <20  | 1.71 | 0.008 | 0.17 | <0.1 | <0.1 | 1.0  | <0.1 | 0.30 | 5   | <0.5 |   |
| 53572   | Drill Core | 0.032  | 6   | 8    | 1.53 | 11   | <0.001 | <20  | 1.56 | 0.008 | 0.13 | <0.1 | <0.1 | 0.8  | <0.1 | 0.29 | 3   | <0.5 |   |
| 53573   | Drill Core | 0.055  | 4   | 19   | 0.91 | 7    | 0.001  | <20  | 1.26 | 0.033 | 0.08 | <0.1 | <0.1 | 2.2  | <0.1 | 1.44 | 4   | <0.5 |   |
| 53574   | Drill Core | 0.042  | 6   | 12   | 0.85 | 11   | 0.001  | <20  | 1.13 | 0.025 | 0.12 | <0.1 | <0.1 | 1.2  | <0.1 | 0.89 | 3   | <0.5 |   |
| 53575   | Drill Core | 0.029  | 9   | 13   | 0.65 | 15   | 0.002  | <20  | 1.25 | 0.039 | 0.10 | <0.1 | <0.1 | 1.6  | <0.1 | 0.24 | 5   | <0.5 |   |
| 53576   | Drill Core | 0.023  | 6   | 13   | 0.76 | 9    | 0.001  | <20  | 1.23 | 0.027 | 0.08 | <0.1 | <0.1 | 1.4  | <0.1 | 0.39 | 4   | <0.5 |   |
| 53577   | Drill Core | 0.003  | 2   | 7    | 0.25 | 6    | <0.001 | <20  | 0.27 | 0.005 | 0.07 | <0.1 | <0.1 | 0.3  | <0.1 | 5.00 | <1  | 2.3  |   |
| 53578   | Drill Core | 0.018  | 2   | 5    | 0.70 | 8    | <0.001 | <20  | 0.80 | 0.008 | 0.12 | <0.1 | <0.1 | 0.5  | <0.1 | 3.56 | 2   | 0.7  |   |
| 53579   | Drill Core | 0.008  | 1   | 16   | 0.37 | 4    | <0.001 | <20  | 0.36 | 0.005 | 0.06 | <0.1 | <0.1 | 0.4  | <0.1 | 5.34 | 1   | 1.6  |   |
| 53580   | Drill Core | 0.004  | 7   | 8    | 0.09 | 2    | <0.001 | <20  | 0.11 | 0.004 | 0.02 | <0.1 | <0.1 | 0.1  | <0.1 | 5.85 | <1  | 2.1  |   |
| 53581   | Drill Core | 0.009  | 6   | 13   | 0.61 | 11   | <0.001 | <20  | 0.75 | 0.006 | 0.08 | 0.1  | <0.1 | 0.8  | <0.1 | 3.36 | 3   | 1.2  |   |
| 53582   | Drill Core | 0.057  | 7   | 11   | 1.11 | 23   | 0.002  | <20  | 1.64 | 0.006 | 0.15 | <0.1 | <0.1 | 1.2  | <0.1 | 0.86 | 5   | <0.5 |   |
| 53583   | Drill Core | 0.018  | 2   | 9    | 0.94 | 14   | 0.001  | <20  | 1.09 | 0.005 | 0.10 | <0.1 | <0.1 | 1.1  | <0.1 | 5.58 | 4   | 2.1  |   |
| 53584   | Drill Core | 0.003  | <1  | 12   | 0.76 | 2    | <0.001 | <20  | 0.72 | 0.003 | 0.02 | <0.1 | <0.1 | 1.1  | <0.1 | 5.60 | 3   | 1.5  |   |
| 53585   | Drill Core | 0.002  | 2   | 6    | 0.81 | 9    | <0.001 | <20  | 0.83 | 0.008 | 0.11 | <0.1 | <0.1 | 0.7  | <0.1 | 5.85 | 2   | 1.4  |   |
| 53586   | Drill Core | 0.081  | 1   | 112  | 1.25 | 6    | 0.002  | <20  | 1.33 | 0.005 | 0.08 | <0.1 | <0.1 | 3.2  | <0.1 | 3.16 | 7   | 1.3  |   |
| 53587   | Drill Core | 0.010  | 3   | 18   | 0.86 | 5    | <0.001 | <20  | 0.77 | 0.017 | 0.06 | <0.1 | <0.1 | 1.3  | <0.1 | 1.08 | 3   | <0.5 |   |
| 53588   | Drill Core | 0.005  | 9   | 14   | 0.40 | 4    | <0.001 | <20  | 0.43 | 0.047 | 0.03 | <0.1 | <0.1 | 1.1  | <0.1 | 0.30 | 2   | <0.5 |   |

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Project: None Given

Report Date: July 22, 2008

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Part 1

| Analyte | Method     | WGHT | 1DX | 1DX   | 1DX   | 1DX | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  |    |      |
|---------|------------|------|-----|-------|-------|-----|------|------|------|------|------|------|------|------|------|-----|------|------|------|----|------|
|         | Wgt        | Mo   | Cu  | Pb    | Zn    | Ag  | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr   | Cd  | Sb   | Bi   | V    |    |      |
|         | Unit       | kg   | ppm | ppm   | ppm   | ppm | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm | ppm  | ppm  | %    |    |      |
|         | MDL        | 0.01 | 0.1 | 0.1   | 0.1   | 1   | 0.1  | 0.1  | 1    | 0.01 | 0.5  | 0.1  | 0.6  | 0.1  | 1    | 0.1 | 0.1  | 0.1  | 0.01 |    |      |
| 53589   | Drill Core | 2.52 | 0.6 | 19.6  | 2.0   | 6   | <0.1 | 11.4 | 9.9  | 47   | 2.06 | 11.4 | 1.1  | 3.8  | 13.9 | 2   | <0.1 | <0.1 | 1.2  | 11 | 0.02 |
| 53590   | Drill Core | 3.62 | 2.2 | 35.2  | 3.5   | 7   | <0.1 | 15.7 | 21.3 | 64   | 2.99 | 28.1 | 1.4  | 4.5  | 10.3 | 2   | <0.1 | 0.2  | 1.9  | 14 | 0.04 |
| 53591   | Drill Core | 2.81 | 0.6 | 19.6  | 2.5   | 7   | <0.1 | 9.8  | 5.9  | 81   | 2.52 | 4.9  | 1.3  | 2.9  | 10.5 | 2   | <0.1 | <0.1 | 0.8  | 14 | 0.03 |
| 53592   | Drill Core | 3.09 | 0.4 | 8.4   | 3.1   | 7   | <0.1 | 12.6 | 6.9  | 71   | 3.08 | 7.0  | 1.8  | 2.0  | 11.6 | 2   | <0.1 | <0.1 | 0.5  | 14 | 0.03 |
| 53593   | Drill Core | 2.42 | 0.5 | 6.7   | 2.5   | 9   | <0.1 | 13.2 | 9.6  | 58   | 3.33 | 12.1 | 2.1  | 1.9  | 13.0 | 2   | <0.1 | <0.1 | 0.5  | 14 | 0.04 |
| 53594   | Drill Core | 2.62 | 0.7 | 14.2  | 1.9   | 5   | <0.1 | 11.0 | 6.3  | 47   | 2.05 | 6.8  | 1.3  | 3.3  | 8.2  | 3   | <0.1 | <0.1 | 0.3  | 15 | 0.02 |
| 53595   | Drill Core | 2.23 | 1.3 | 41.2  | 4.3   | 10  | <0.1 | 23.1 | 21.7 | 114  | 5.17 | 22.0 | 2.0  | 2.6  | 11.8 | 2   | <0.1 | 0.3  | 1.8  | 28 | 0.06 |
| 53596   | Drill Core | 3.14 | 6.0 | 34.6  | 6.8   | 7   | <0.1 | 24.1 | 20.9 | 65   | 4.79 | 16.0 | 2.0  | 3.6  | 10.4 | 7   | <0.1 | 0.6  | 2.4  | 34 | 0.08 |
| 53597   | Drill Core | 3.90 | 4.0 | 548.4 | 9.8   | 10  | <0.1 | 23.2 | 23.9 | 79   | 4.63 | 22.6 | 1.7  | 5.0  | 9.6  | 2   | <0.1 | 0.6  | 4.7  | 21 | 0.05 |
| 53598   | Drill Core | 2.64 | 3.7 | 57.6  | 201.0 | 36  | <0.1 | 25.5 | 25.5 | 90   | 5.34 | 25.5 | 2.1  | 2.6  | 11.6 | 3   | 0.4  | 0.4  | 3.5  | 22 | 0.08 |
| 53599   | Drill Core | 2.90 | 7.3 | 216.2 | 44.7  | 14  | <0.1 | 22.9 | 25.5 | 88   | 4.89 | 29.3 | 2.0  | 1.1  | 9.7  | 3   | <0.1 | 0.2  | 3.4  | 22 | 0.10 |
| 53600   | Drill Core | 2.86 | 0.7 | 62.3  | 3.5   | 9   | <0.1 | 13.7 | 7.9  | 144  | 3.22 | 9.2  | 2.0  | 0.7  | 11.6 | 3   | <0.1 | <0.1 | 1.7  | 12 | 0.06 |
| 081851  | Drill Core | 0.98 | 1.8 | 15.2  | 33.8  | 22  | <0.1 | 29.4 | 40.8 | 371  | 4.22 | 42.8 | 16.4 | 8.2  | 7.2  | 14  | <0.1 | 0.3  | 1.4  | 9  | 0.36 |
| 081852  | Drill Core | 2.75 | 1.0 | 4.3   | 35.0  | 4   | <0.1 | 20.1 | 52.3 | 301  | 1.31 | 7.5  | 0.6  | 5.2  | 1.0  | 31  | <0.1 | 0.2  | 0.8  | <2 | 1.43 |
| 081853  | Drill Core | 2.32 | 1.0 | 8.4   | 6.2   | 9   | 0.1  | 28.5 | 70.0 | 587  | 2.70 | 19.7 | 1.2  | 15.0 | 2.1  | 65  | <0.1 | 0.6  | 1.6  | <2 | 2.94 |



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Calgary AB T2R 1H6 Canada

Project: -None Given  
Report Date: July 22, 2008

Page: 4 of 4 Part 2

| Analyte | Method     | 1DX   | 1DX | 1DX | 1DX  | 1DX | 1DX    | 1DX | 1DX  | 1DX   | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  |     |      |
|---------|------------|-------|-----|-----|------|-----|--------|-----|------|-------|------|------|------|-----|------|------|-----|------|
|         | P          | La    | Cr  | Mg  | Ba   | Tl  | B      | Al  | Na   | K     | W    | Hg   | Sc   | Tl  | S    | Ga   | Se  |      |
|         | Unit       | %     | ppm | ppm | %    | ppm | %      | ppm | %    | %     | ppm  | ppm  | ppm  | ppm | %    | ppm  | ppm |      |
|         | MDL        | 0.001 | 1   | 1   | 0.01 | 1   | 0.001  | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.01 | 0.1 | 0.05 | 1    | 0.5 |      |
| 53589   | Drill Core | 0.005 | 9   | 16  | 0.39 | 3   | 0.001  | <20 | 0.74 | 0.050 | 0.02 | <0.1 | <0.1 | 1.3 | <0.1 | 0.49 | 4   | <0.5 |
| 53590   | Drill Core | 0.016 | 9   | 17  | 0.46 | 9   | 0.002  | <20 | 0.93 | 0.040 | 0.05 | <0.1 | <0.1 | 1.9 | <0.1 | 1.25 | 5   | <0.5 |
| 53591   | Drill Core | 0.009 | 8   | 17  | 0.59 | 11  | 0.002  | <20 | 1.16 | 0.047 | 0.07 | <0.1 | <0.1 | 1.8 | <0.1 | 0.33 | 5   | <0.5 |
| 53592   | Drill Core | 0.014 | 8   | 14  | 0.77 | 20  | 0.002  | <20 | 1.47 | 0.033 | 0.11 | <0.1 | <0.1 | 1.8 | <0.1 | 0.46 | 6   | <0.5 |
| 53593   | Drill Core | 0.019 | 5   | 14  | 1.21 | 17  | 0.002  | <20 | 1.83 | 0.018 | 0.12 | <0.1 | <0.1 | 1.7 | <0.1 | 0.65 | 7   | <0.5 |
| 53594   | Drill Core | 0.012 | 8   | 18  | 0.56 | 5   | 0.001  | <20 | 0.94 | 0.048 | 0.03 | <0.1 | <0.1 | 1.6 | <0.1 | 0.42 | 5   | <0.5 |
| 53595   | Drill Core | 0.024 | 6   | 24  | 1.01 | 17  | 0.002  | <20 | 2.04 | 0.027 | 0.09 | <0.1 | <0.1 | 3.0 | <0.1 | 1.35 | 10  | 0.6  |
| 53596   | Drill Core | 0.040 | 6   | 30  | 0.86 | 9   | 0.003  | <20 | 1.80 | 0.036 | 0.04 | 0.2  | <0.1 | 3.7 | <0.1 | 1.43 | 10  | <0.5 |
| 53597   | Drill Core | 0.017 | 6   | 23  | 0.64 | 8   | 0.002  | <20 | 1.40 | 0.046 | 0.05 | 2.5  | <0.1 | 2.8 | <0.1 | 2.11 | 7   | <0.5 |
| 53598   | Drill Core | 0.033 | 5   | 26  | 1.02 | 21  | 0.002  | <20 | 1.98 | 0.027 | 0.09 | <0.1 | <0.1 | 2.2 | <0.1 | 1.99 | 9   | <0.5 |
| 53599   | Drill Core | 0.042 | 4   | 23  | 1.32 | 14  | 0.002  | <20 | 2.25 | 0.026 | 0.10 | 0.4  | <0.1 | 2.0 | <0.1 | 1.44 | 9   | <0.5 |
| 53600   | Drill Core | 0.018 | 8   | 16  | 1.05 | 13  | 0.001  | <20 | 1.61 | 0.023 | 0.11 | 0.7  | <0.1 | 1.7 | <0.1 | 0.62 | 6   | <0.5 |
| 081851  | Drill Core | 0.038 | 18  | 7   | 3.53 | 27  | <0.001 | <20 | 1.27 | 0.012 | 0.16 | <0.1 | <0.1 | 3.5 | <0.1 | 1.02 | 4   | <0.5 |
| 081852  | Drill Core | 0.028 | 4   | 7   | 0.74 | 10  | <0.001 | <20 | 0.13 | 0.005 | 0.08 | 0.5  | <0.1 | 1.7 | <0.1 | 0.78 | <1  | <0.5 |
| 081853  | Drill Core | 0.031 | 3   | 3   | 2.06 | 16  | <0.001 | <20 | 0.19 | 0.004 | 0.13 | 1.0  | <0.1 | 4.4 | <0.1 | 1.25 | <1  | 0.7  |



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Project: None Given  
Report Date: July 22, 200

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| Method                 | WGHT       | 1DX   | 1DX   | 1DX   | 1DX   | 1DX  | 1DX  | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  |      |       |      |      |
|------------------------|------------|-------|-------|-------|-------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|
|                        | Analyte    | Wgt   | Mo    | Cu    | Pb    | Zn   | Ag   | Ni   | Co   | Mn    | Fe   | As   | U    | Au   | Th   | Sr   | Cd   | Sb   | Bl   | V     |      |      |
|                        | Unit       | kg    | ppm   | ppm   | ppm   | ppm  | ppm  | ppm  | ppm  | ppm   | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  | %     |      |      |
|                        | MDL        | 0.01  | 0.1   | 0.1   | 0.1   | 1    | 0.1  | 0.1  | 1    | 0.01  | 0.5  | 0.1  | 0.6  | 0.1  | 1    | 0.1  | 0.1  | 0.1  | 2    | 0.01  |      |      |
| Pulp Duplicates        |            |       |       |       |       |      |      |      |      |       |      |      |      |      |      |      |      |      |      |       |      |      |
| 53535                  | Drill Core | 2.91  | 1.5   | 226.4 | 8.2   | 23   | 0.2  | 6.6  | 14.2 | 22    | 1.31 | 25.1 | 2.1  | 9.9  | 12.5 | 2    | <0.1 | 0.2  | 1.4  | <2    | 0.03 |      |
| REP 53535              | QC         |       |       | 1.4   | 232.0 | 8.3  | 22   | 0.2  | 6.7  | 14.7  | 23   | 1.36 | 25.3 | 2.3  | 8.9  | 12.6 | 2    | <0.1 | 0.1  | 1.4   | <2   | 0.03 |
| 53560                  | Drill Core | 2.64  | 0.6   | 41.7  | 3.9   | 14   | <0.1 | 17.9 | 11.4 | 70    | 3.97 | 14.0 | 1.8  | 1.2  | 12.2 | 3    | <0.1 | <0.1 | 2.3  | 12    | 0.05 |      |
| REP 53560              | QC         |       |       | 0.5   | 42.7  | 4.3  | 15   | <0.1 | 17.5 | 11.5  | 69   | 3.88 | 14.3 | 1.9  | 4.6  | 12.3 | 3    | <0.1 | <0.1 | 2.7   | 11   | 0.05 |
| 53591                  | Drill Core | 2.81  | 0.6   | 19.6  | 2.5   | 7    | <0.1 | 9.8  | 5.9  | 81    | 2.52 | 4.9  | 1.3  | 2.9  | 10.5 | 2    | <0.1 | <0.1 | 0.9  | 14    | 0.03 |      |
| REP 53591              | QC         |       |       | 0.6   | 20.0  | 2.3  | 7    | <0.1 | 10.7 | 6.1   | 82   | 2.54 | 5.1  | 1.4  | 1.2  | 10.2 | 2    | <0.1 | <0.1 | 1.0   | 13   | 0.02 |
| 53595                  | Drill Core | 2.23  | 1.3   | 41.2  | 4.3   | 10   | <0.1 | 23.1 | 21.7 | 114   | 5.17 | 22.0 | 2.0  | 2.6  | 11.8 | 2    | <0.1 | 0.3  | 1.8  | 28    | 0.06 |      |
| REP 53595              | QC         |       |       | 1.1   | 41.5  | 4.5  | 11   | <0.1 | 25.2 | 21.5  | 119  | 5.16 | 22.0 | 1.9  | 2.1  | 12.2 | 2    | <0.1 | 0.2  | 1.8   | 28   | 0.05 |
| Core Reject Duplicates |            |       |       |       |       |      |      |      |      |       |      |      |      |      |      |      |      |      |      |       |      |      |
| 53543                  | Drill Core | 2.70  | 0.4   | 2.6   | 0.9   | 9    | <0.1 | 6.0  | 3.6  | 40    | 1.41 | 4.4  | 1.3  | <0.5 | 10.2 | 2    | <0.1 | <0.1 | 0.2  | 3     | 0.02 |      |
| DUP 53543              | QC         |       |       | 0.4   | 2.2   | 0.9  | 8    | <0.1 | 6.2  | 3.6   | 40   | 1.45 | 4.2  | 1.3  | <0.5 | 9.4  | 2    | <0.1 | <0.1 | 0.2   | 4    | 0.02 |
| 53578                  | Drill Core | 4.31  | 1.6   | 39.8  | 7.1   | 8    | <0.1 | 29.5 | 85.8 | 18    | 3.66 | 38.1 | 1.2  | 7.5  | 6.0  | 3    | <0.1 | 0.1  | 4.1  | 3     | 0.04 |      |
| DUP 53578              | QC         |       |       | 1.5   | 51.0  | 8.0  | 9    | <0.1 | 28.9 | 83.9  | 19   | 4.01 | 38.5 | 1.2  | 7.1  | 6.1  | 3    | <0.1 | <0.1 | 4.2   | 2    | 0.04 |
| Reference Materials    |            |       |       |       |       |      |      |      |      |       |      |      |      |      |      |      |      |      |      |       |      |      |
| STD DS7                | Standard   | 18.9  | 117.8 | 77.7  | 401   | 0.9  | 55.8 | 9.2  | 599  | 2.35  | 53.4 | 5.4  | 63.4 | 4.6  | 71   | 7.1  | 5.7  | 5.0  | 81   | 0.89  |      |      |
| STD DS7                | Standard   | 18.8  | 116.3 | 79.5  | 400   | 0.8  | 55.6 | 9.1  | 616  | 2.33  | 51.0 | 5.2  | 50.5 | 4.6  | 71   | 7.1  | 5.4  | 4.9  | 79   | 0.88  |      |      |
| STD DS7                | Standard   | 19.0  | 109.8 | 72.4  | 395   | 0.7  | 50.1 | 8.3  | 556  | 2.13  | 54.1 | 4.8  | 55.3 | 4.5  | 75   | 6.4  | 5.0  | 4.7  | 78   | 0.86  |      |      |
| STD DS7                | Standard   | 20.9  | 114.2 | 71.2  | 393   | 0.7  | 52.5 | 9.0  | 592  | 2.32  | 54.3 | 5.1  | 53.9 | 4.5  | 77   | 6.5  | 5.4  | 4.8  | 79   | 0.89  |      |      |
| STD DS7                | Standard   | 20.6  | 111.3 | 67.3  | 388   | 0.7  | 55.1 | 9.6  | 596  | 2.24  | 51.1 | 5.3  | 46.9 | 4.0  | 68   | 6.4  | 4.4  | 4.5  | 82   | 0.87  |      |      |
| STD DS7                | Standard   | 18.6  | 105.6 | 59.9  | 393   | 0.7  | 50.0 | 8.4  | 612  | 2.34  | 52.7 | 4.0  | 45.9 | 3.4  | 69   | 5.8  | 4.1  | 4.0  | 79   | 0.94  |      |      |
| STD DS7 Expected       |            | 20.92 | 109   | 70.6  | 411   | 0.89 | 56   | 9.7  | 627  | 2.39  | 48.2 | 4.9  | 70   | 4.4  | 68.7 | 6.38 | 5.86 | 4.51 | 86   | 0.93  |      |      |
| BLK                    | Blank      | <0.1  | <0.1  | <0.1  | <1    | <0.1 | <0.1 | <1   | <1   | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <2   | <0.01 |      |      |
| BLK                    | Blank      | <0.1  | <0.1  | <0.1  | <1    | <0.1 | <0.1 | <0.1 | <1   | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <2   | <0.01 |      |      |
| BLK                    | Blank      | <0.1  | <0.1  | <0.1  | <1    | <0.1 | <0.1 | <0.1 | <1   | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <2   | <0.01 |      |      |
| BLK                    | Blank      | <0.1  | <0.1  | <0.1  | <1    | <0.1 | <0.1 | <0.1 | <1   | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <2   | <0.01 |      |      |
| Prep Wash              |            |       |       |       |       |      |      |      |      |       |      |      |      |      |      |      |      |      |      |       |      |      |
| G1                     | Prep Blank | <0.01 | 0.4   | 2.8   | 2.5   | 53   | <0.1 | 4.6  | 4.6  | 577   | 2.05 | <0.5 | 2.9  | 3.7  | 4.3  | 65   | <0.1 | <0.1 | <0.1 | 41    | 0.52 |      |
| G1                     | Prep Blank | <0.01 | 0.6   | 3.4   | 2.8   | 51   | <0.1 | 5.6  | 4.7  | 599   | 2.17 | <0.5 | 2.3  | 1.8  | 4.1  | 72   | <0.1 | <0.1 | <0.1 | 43    | 0.56 |      |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

Client:

**Ruby Red Resources Inc.**207 - 239 - 12th Ave S.W.  
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**AcmeLabs**

ACME ANALYTICAL LABORATORIES LTD.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Project: None Given

Report Date: July 22, 2008

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Page: 1 of 1 Part 2

|                        | Method     | 1DX    | 1DX  | 1DX  | 1DX   | 1DX   | 1DX    | 1DX  | 1DX   | 1DX    | 1DX   | 1DX  | 1DX   | 1DX  | 1DX   | 1DX   | 1DX  |      |
|------------------------|------------|--------|------|------|-------|-------|--------|------|-------|--------|-------|------|-------|------|-------|-------|------|------|
| Analyte                | P          | La     | Cr   | Mg   | Ba    | Tl    | B      | Al   | Na    | K      | W     | Hg   | Sc    | Tl   | S     | Ga    | Se   |      |
| Unit                   | %          | ppm    | ppm  | %    | ppm   | %     | ppm    | %    | %     | %      | ppm   | ppm  | ppm   | ppm  | %     | ppm   | ppm  |      |
| MDL                    | 0.001      | 1      | 1    | 0.01 | 1     | 0.001 | 20     | 0.01 | 0.001 | 0.04   | 0.1   | 0.01 | 0.1   | 0.1  | 0.05  | 1     | 0.5  |      |
| Pulp Duplicates        |            |        |      |      |       |       |        |      |       |        |       |      |       |      |       |       |      |      |
| 53535                  | Drill Core | 0.012  | 4    | 3    | 0.02  | 23    | <0.001 | <20  | 0.22  | 0.007  | 0.14  | 0.3  | <0.01 | 0.7  | <0.1  | 1.32  | <1   | <0.5 |
| REP 53535              | QC         | 0.013  | 4    | 3    | 0.02  | 23    | <0.001 | <20  | 0.22  | 0.007  | 0.13  | 0.2  | <0.01 | 0.7  | <0.1  | 1.35  | <1   | <0.5 |
| 53560                  | Drill Core | 0.020  | 3    | 13   | 0.72  | 24    | 0.002  | <20  | 1.71  | 0.007  | 0.11  | <0.1 | <0.01 | 1.4  | <0.1  | 0.70  | 6    | <0.5 |
| REP 53560              | QC         | 0.020  | 2    | 12   | 0.71  | 24    | 0.002  | <20  | 1.69  | 0.007  | 0.11  | <0.1 | <0.01 | 1.3  | <0.1  | 0.66  | 6    | <0.5 |
| 53591                  | Drill Core | 0.009  | 8    | 17   | 0.59  | 11    | 0.002  | <20  | 1.16  | 0.047  | 0.07  | <0.1 | <0.01 | 1.8  | <0.1  | 0.33  | 5    | <0.5 |
| REP 53591              | QC         | 0.009  | 8    | 17   | 0.58  | 12    | 0.002  | <20  | 1.18  | 0.045  | 0.07  | <0.1 | <0.01 | 1.8  | <0.1  | 0.35  | 5    | <0.5 |
| 53595                  | Drill Core | 0.024  | 6    | 24   | 1.01  | 17    | 0.002  | <20  | 2.04  | 0.027  | 0.09  | <0.1 | <0.01 | 3.0  | <0.1  | 1.35  | 10   | 0.6  |
| REP 53595              | QC         | 0.026  | 6    | 24   | 1.01  | 17    | 0.002  | <20  | 2.01  | 0.026  | 0.09  | <0.1 | <0.01 | 3.0  | <0.1  | 1.33  | 10   | <0.5 |
| Core Reject Duplicates |            |        |      |      |       |       |        |      |       |        |       |      |       |      |       |       |      |      |
| 53543                  | Drill Core | 0.009  | 5    | 13   | 0.80  | 17    | <0.001 | <20  | 0.96  | 0.007  | 0.10  | <0.1 | <0.01 | 0.7  | <0.1  | 0.23  | 3    | <0.5 |
| DUP 53543              | QC         | 0.009  | 6    | 9    | 0.86  | 20    | 0.001  | <20  | 1.06  | 0.007  | 0.13  | 0.2  | <0.01 | 0.8  | <0.1  | 0.24  | 3    | <0.5 |
| 53578                  | Drill Core | 0.018  | 2    | 5    | 0.70  | 8     | <0.001 | <20  | 0.80  | 0.008  | 0.12  | <0.1 | <0.01 | 0.5  | <0.1  | 3.56  | 2    | 0.7  |
| DUP 53578              | QC         | 0.016  | 2    | 7    | 0.74  | 8     | <0.001 | <20  | 0.80  | 0.008  | 0.11  | <0.1 | <0.01 | 0.4  | <0.1  | 3.66  | 2    | 0.9  |
| Reference Materials    |            |        |      |      |       |       |        |      |       |        |       |      |       |      |       |       |      |      |
| STD DS7                | Standard   | 0.072  | 11   | 158  | 1.03  | 387   | 0.120  | 34   | 0.95  | 0.065  | 0.43  | 3.4  | 0.18  | 2.1  | 4.1   | 0.20  | 5    | 3.8  |
| STD DS7                | Standard   | 0.076  | 10   | 160  | 1.04  | 382   | 0.115  | 28   | 0.94  | 0.066  | 0.44  | 3.6  | 0.18  | 1.9  | 4.1   | 0.20  | 5    | 3.5  |
| STD DS7                | Standard   | 0.074  | 12   | 158  | 0.99  | 378   | 0.119  | 41   | 0.91  | 0.082  | 0.44  | 3.6  | 0.20  | 2.1  | 4.2   | 0.14  | 4    | 3.5  |
| STD DS7                | Standard   | 0.075  | 12   | 177  | 1.00  | 383   | 0.127  | 39   | 0.96  | 0.088  | 0.43  | 3.5  | 0.20  | 2.1  | 4.1   | 0.15  | 4    | 3.3  |
| STD DS7                | Standard   | 0.077  | 11   | 164  | 1.02  | 392   | 0.126  | 37   | 0.93  | 0.076  | 0.41  | 3.4  | 0.18  | 2.4  | 3.8   | 0.18  | 4    | 3.5  |
| STD DS7                | Standard   | 0.081  | 11   | 175  | 1.00  | 361   | 0.105  | 90   | 0.98  | 0.090  | 0.47  | 3.2  | 0.18  | 2.3  | 3.7   | 0.20  | 5    | 4.0  |
| STD DS7 Expected       |            | 0.08   | 12.7 | 163  | 1.05  | 370.3 | 0.124  | 38.6 | 0.959 | 0.073  | 0.44  | 3.8  | 0.2   | 2.5  | 4.19  | 0.21  | 4.6  | 3.5  |
| BLK                    | Blank      | <0.001 | <1   | <1   | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.05 | <1    | <0.5 |      |
| BLK                    | Blank      | <0.001 | <1   | <1   | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.05 | <1    | <0.5 |      |
| BLK                    | Blank      | <0.001 | <1   | <1   | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.05 | <1    | <0.5 |      |
| BLK                    | Blank      | <0.001 | <1   | <1   | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.05 | <1    | <0.5 |      |
| Prep Wash              |            |        |      |      |       |       |        |      |       |        |       |      |       |      |       |       |      |      |
| G1                     | Prep Blank | 0.086  | 7    | 9    | 0.62  | 263   | 0.152  | <20  | 1.03  | 0.092  | 0.57  | 0.2  | <0.01 | 2.0  | 0.4   | <0.05 | 5    | <0.5 |
| G1                     | Prep Blank | 0.088  | 9    | 10   | 0.64  | 271   | 0.152  | <20  | 1.10  | 0.105  | 0.61  | <0.1 | <0.01 | 1.8  | 0.4   | <0.05 | 6    | <0.5 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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ACME ANALYTICAL LABORATORIES LTD.

Z-08-1

[www.acmelab.com](http://www.acmelab.com)

Client:

Ruby Red Resources Inc.

207 - 239 - 12th Ave S.W.  
Calgary AB T2R 1H6 Canada

Submitted By: Dawn Ewonus  
Receiving Lab: Canada-Vancouver  
Received: July 03, 2008  
Report Date: July 16, 2008  
Page: 1 of 12

#### CLIENT JOB INFORMATION

#### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Project:           | Z08-1 | Method Code | Number of Samples | Code Description                                 | Test Wgt (g) | Report Status |
|--------------------|-------|-------------|-------------------|--------------------------------------------------|--------------|---------------|
| Shipment ID:       |       |             |                   |                                                  |              |               |
| P.O. Number        |       | R150        | 311               | Crush split and pulverize drill core to 200 mesh |              |               |
| Number of Samples: | 311   | 1DX         | 311               | 1:1:1 Aqua Regia digestion ICP-MS analysis       | 0.5          | Completed     |

#### SAMPLE DISPOSAL

#### ADDITIONAL COMMENTS

STOR-PLP Store After 90 days Invoice for Storage  
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Ruby Red Resources Inc.  
207 - 239 - 12th Ave S.W.  
Calgary AB T2R 1H6  
Canada

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.

# AcmeLabs

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ACME ANALYTICAL LABORATORIES LTD.

**Client:**

Ruby Red Resources Inc.

207 - 239 - 12th Ave S.W.  
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## Project

**Report Date:** July 16, 2008

July 16, 2008

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Page

2 of 12 Part

| Method | Wght       | 1DX  | 1DX | 1DX   | 1DX   | 1DX | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  | 1DX    | 1DX  | 1DX   | 1DX  | 1DX  | 1DX  | 1DX  |      |    |      |
|--------|------------|------|-----|-------|-------|-----|------|------|-------|------|------|--------|------|-------|------|------|------|------|------|----|------|
|        | Analyte    | Mo   | Cu  | Pb    | Zn    | Ag  | Ni   | Co   | Mn    | Fe   | As   | U      | Au   | Th    | Sr   | Cd   | Sb   | Bl   | V    |    |      |
|        | Unit       | kg   | ppm | ppm   | ppm   | ppm | ppm  | ppm  | ppm   | %    | ppm  | ppm    | ppb  | ppm   | ppm  | ppm  | ppm  | Ca   |      |    |      |
|        | MDL        | 0.01 | 0.1 | 0.1   | 0.1   | 1   | 0.1  | 0.1  | 1     | 0.01 | 0.6  | 0.1    | 0.6  | 0.1   | 1    | 0.1  | 0.1  | 2    | 0.01 |    |      |
| 52413  | Drill Core | 3.20 | 0.3 | 0.8   | 0.8   | 35  | <0.1 | 30.2 | 10.4  | 244  | 2.56 | 1.3    | 1.5  | 2.3   | 13   | <0.1 | <0.1 | 7    | 0.07 |    |      |
| 52414  | Drill Core | 1.78 | 0.2 | 0.3   | 0.8   | 14  | <0.1 | 12.1 | 11.1  | 404  | 2.07 | 1.1    | 1.9  | 3.2   | 9.8  | 9    | <0.1 | <0.1 | <0.1 | <2 | 0.05 |
| 52415  | Drill Core | 3.30 | 0.7 | 0.4   | 1.2   | 15  | <0.1 | 8.9  | 2.7   | 44   | 2.15 | 0.6    | 1.6  | 2.2   | 9.6  | 6    | <0.1 | <0.1 | <0.1 | 3  | 0.04 |
| 52416  | Drill Core | 3.07 | 1.4 | 0.4   | 1.6   | 20  | <0.1 | 9.4  | 3.2   | 62   | 1.81 | 1.1    | 1.7  | 3.5   | 8.7  | 8    | <0.1 | <0.1 | 0.1  | 8  | 0.08 |
| 52417  | Drill Core | 4.93 | 0.6 | 1.5   | 0.9   | 28  | <0.1 | 15.1 | 7.6   | 245  | 2.02 | 0.5    | 1.8  | <0.5  | 10.8 | 6    | <0.1 | <0.1 | <0.1 | 10 | 0.05 |
| 52418  | Drill Core | 2.84 | 0.4 | 4.0   | 1.1   | 23  | <0.1 | 16.8 | 15.0  | 493  | 2.89 | 1.8    | 1.8  | 2.3   | 8.0  | 5    | <0.1 | <0.1 | 0.2  | 3  | 0.02 |
| 52419  | Drill Core | 2.23 | 0.6 | 4.5   | 1.1   | 20  | <0.1 | 21.4 | 8.8   | 931  | 4.32 | 1.3    | 3.1  | 54.8  | 10.2 | 8    | <0.1 | 0.1  | 0.2  | 6  | 0.07 |
| 52420  | Drill Core | 3.95 | 0.4 | 10.0  | 1.0   | 17  | <0.1 | 21.3 | 6.6   | 275  | 2.91 | 1.8    | 2.2  | 10.5  | 8.4  | 6    | <0.1 | 0.2  | 0.1  | 6  | 0.05 |
| 52421  | Drill Core | 1.59 | 0.4 | 333.2 | 211.0 | 16  | 1.7  | 18.9 | 19.5  | 538  | 2.83 | 54.6   | 1.9  | 86.2  | 3.1  | 11   | 0.1  | 0.2  | 4.5  | <2 | 0.11 |
| 52422  | Drill Core | 1.23 | 0.1 | 117.6 | 175.7 | 29  | 0.5  | 2.5  | 2.9   | 673  | 2.26 | 74.2   | 2.6  | 73.0  | 5.2  | 14   | 0.3  | 0.2  | 0.6  | <2 | 0.15 |
| 52423  | Drill Core | 1.75 | 0.2 | 493.3 | 378.4 | 20  | 1.4  | 3.0  | 4.0   | 304  | 2.17 | 1996   | 3.2  | 290.2 | 4.6  | 14   | 0.2  | 0.6  | 1.8  | <2 | 0.13 |
| 52424  | Drill Core | 1.62 | 0.2 | 713.1 | 138.3 | 50  | 1.1  | 3.0  | 3.3   | 691  | 3.62 | 1026   | 2.8  | 205.5 | 4.3  | 15   | 0.5  | 0.4  | 0.5  | <2 | 0.15 |
| 52425  | Drill Core | 1.95 | 0.4 | 269.4 | 279.7 | 12  | 0.7  | 2.9  | 3.0   | 492  | 1.66 | 813.4  | 2.9  | 119.9 | 5.1  | 18   | 0.2  | 0.3  | 0.7  | <2 | 0.15 |
| 52426  | Drill Core | 1.52 | 0.3 | 328.2 | 409.8 | 9   | 1.3  | 2.8  | 3.4   | 466  | 2.36 | 5599   | 2.8  | 2426  | 4.4  | 15   | 0.1  | 0.9  | 1.5  | <2 | 0.14 |
| 52427  | Drill Core | 0.93 | 0.3 | 130.6 | 731.6 | 15  | 1.4  | 2.4  | 3.6   | 1120 | 3.91 | 8631   | 2.8  | 1239  | 4.2  | 16   | 0.2  | 1.9  | 1.6  | 2  | 0.18 |
| 52428  | Drill Core | 1.89 | 0.3 | 145.2 | 2043  | 12  | 3.5  | 2.9  | 3.9   | 81   | 2.01 | >10000 | 2.8  | 612.7 | 3.8  | 17   | 0.3  | 2.3  | 6.5  | <2 | 0.16 |
| 52429  | Drill Core | 2.68 | 2.7 | 21.1  | 79.5  | 1   | 0.7  | 19.1 | 112.4 | 24   | 3.35 | 1021   | 7.9  | 165.5 | 1.1  | 5    | <0.1 | 1.2  | 6.1  | <2 | 0.04 |
| 52430  | Drill Core | 1.76 | 1.2 | 17.5  | 164.2 | 4   | 0.8  | 30.3 | 173.4 | 31   | 3.52 | 2219   | 12.3 | 178.2 | 2.2  | 14   | <0.1 | 1.0  | 6.4  | <2 | 0.13 |
| 52431  | Drill Core | 1.85 | 0.8 | 20.0  | 23.3  | 1   | 0.4  | 30.1 | 170.4 | 36   | 3.62 | 49.7   | 8.9  | 41.6  | 1.2  | 10   | <0.1 | 0.5  | 5.4  | <2 | 0.11 |
| 52432  | Drill Core | 1.52 | 0.9 | 25.5  | 27.1  | 5   | 0.9  | 28.5 | 153.7 | 60   | 3.68 | 53.3   | 8.8  | 43.3  | 1.1  | 11   | <0.1 | 0.5  | 5.5  | <2 | 0.07 |
| 52433  | Drill Core | 1.78 | 1.5 | 24.3  | 22.3  | 2   | 0.6  | 54.3 | 252.9 | 118  | 4.90 | 77.7   | 4.4  | 55.6  | 2.0  | 14   | <0.1 | 1.0  | 13.0 | 2  | 0.19 |
| 52434  | Drill Core | 1.81 | 1.5 | 31.4  | 15.7  | 1   | 0.5  | 48.9 | 233.4 | 24   | 4.19 | 68.0   | 5.9  | 58.3  | 1.7  | 21   | <0.1 | 1.1  | 13.2 | <2 | 0.19 |
| 52435  | Drill Core | 2.01 | 1.3 | 1119  | 11.5  | 9   | 1.9  | 27.6 | 156.1 | 28   | 3.37 | 46.5   | 6.1  | 66.3  | 0.7  | 9    | 0.3  | 1.4  | 9.5  | <2 | 0.06 |
| 52436  | Drill Core | 1.78 | 0.8 | 48.8  | 13.1  | 1   | 0.6  | 49.2 | 277.9 | 35   | 4.31 | 69.6   | 10.7 | 61.1  | 1.1  | 27   | <0.1 | 1.4  | 15.7 | <2 | 0.45 |
| 52437  | Drill Core | 1.67 | 1.1 | 76.5  | 15.4  | 1   | 0.8  | 36.5 | 202.7 | 20   | 4.01 | 65.3   | 6.9  | 56.1  | 0.8  | 8    | <0.1 | 1.3  | 16.5 | <2 | 0.11 |
| 52438  | Drill Core | 1.95 | 1.3 | 161.2 | 27.6  | 2   | 1.5  | 69.9 | 377.3 | 27   | 7.01 | 106.7  | 7.9  | 128.1 | 0.6  | 12   | <0.1 | 2.3  | 32.2 | <2 | 0.15 |
| 52439  | Drill Core | 1.86 | 2.6 | 70.7  | 13.9  | 1   | 0.7  | 24.4 | 128.5 | 20   | 5.08 | 55.6   | 3.5  | 70.3  | 0.6  | 4    | <0.1 | 1.1  | 13.3 | <2 | 0.03 |
| 52440  | Drill Core | 1.95 | 2.5 | 56.1  | 18.3  | <1  | 0.9  | 30.6 | 154.7 | 36   | 5.13 | 52.5   | 4.0  | 72.1  | 0.3  | 5    | <0.1 | 1.1  | 16.3 | <2 | 0.04 |
| 52441  | Drill Core | 1.90 | 1.7 | 158.8 | 36.6  | 2   | 1.8  | 48.3 | 342.0 | 74   | 7.86 | 112.3  | 9.0  | 157.6 | 0.9  | 7    | <0.1 | 2.0  | 36.6 | <2 | 0.04 |
| 52442  | Drill Core | 1.34 | 1.1 | 403.7 | 33.6  | 3   | 1.4  | 43.6 | 227.9 | 26   | 4.04 | 85.5   | 14.5 | 81.2  | 3.6  | 16   | <0.1 | 1.2  | 18.6 | <2 | 0.27 |

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Project:

Z08-1

Report Date:

July 16, 2008

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| Method | 1DX        | 1DX   | 1DX | 1DX | 1DX   | 1DX | 1DX    | 1DX | 1DX  | 1DX   | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX   | 1DX |      |
|--------|------------|-------|-----|-----|-------|-----|--------|-----|------|-------|------|------|-------|-----|------|-------|-----|------|
|        | P          | La    | Cr  | Mg  | Ba    | Tl  | B      | Al  | Na   | K     | W    | Hg   | Sc    | Tl  | S    | Ga    | Se  |      |
|        | Unit       | %     | ppm | ppm | %     | ppm | %      | ppm | %    | %     | ppm  | ppm  | ppm   | ppm | %    | ppm   | ppm |      |
|        | MDL        | 0.001 | 1   | 1   | 0.01  | 1   | 0.001  | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.01  | 0.1 | 0.05 | 1     | 0.6 |      |
| 52413  | Drill Core | 0.042 | 30  | 8   | 0.17  | 26  | <0.001 | <20 | 0.61 | 0.035 | 0.12 | <0.1 | <0.01 | 2.0 | <0.1 | <0.05 | 2   | <0.5 |
| 52414  | Drill Core | 0.040 | 18  | 2   | 0.07  | 44  | <0.001 | <20 | 0.45 | 0.017 | 0.15 | 0.1  | <0.01 | 1.1 | <0.1 | <0.05 | 1   | <0.5 |
| 52415  | Drill Core | 0.033 | 21  | 5   | 0.10  | 60  | <0.001 | <20 | 0.55 | 0.028 | 0.17 | <0.1 | <0.01 | 1.2 | <0.1 | <0.05 | 1   | <0.5 |
| 52416  | Drill Core | 0.056 | 16  | 9   | 0.18  | 40  | 0.001  | <20 | 0.55 | 0.035 | 0.10 | 0.2  | <0.01 | 1.3 | <0.1 | <0.05 | 2   | <0.5 |
| 52417  | Drill Core | 0.021 | 26  | 7   | 0.31  | 33  | <0.001 | <20 | 0.73 | 0.030 | 0.13 | <0.1 | <0.01 | 1.3 | <0.1 | <0.05 | 2   | <0.5 |
| 52418  | Drill Core | 0.017 | 19  | 3   | 0.08  | 17  | <0.001 | <20 | 0.39 | 0.022 | 0.08 | 0.1  | <0.01 | 1.9 | <0.1 | <0.05 | <1  | <0.5 |
| 52419  | Drill Core | 0.056 | 25  | 4   | 0.17  | 17  | <0.001 | <20 | 0.58 | 0.040 | 0.07 | <0.1 | 0.01  | 3.9 | <0.1 | <0.05 | 1   | <0.5 |
| 52420  | Drill Core | 0.023 | 9   | 4   | 0.09  | 10  | 0.001  | <20 | 0.41 | 0.037 | 0.05 | 0.3  | <0.01 | 4.4 | <0.1 | 0.20  | <1  | <0.5 |
| 52421  | Drill Core | 0.023 | 5   | 2   | 0.05  | 30  | <0.001 | <20 | 0.26 | 0.031 | 0.13 | <0.1 | <0.01 | 0.7 | <0.1 | 1.38  | <1  | <0.5 |
| 52422  | Drill Core | 0.030 | 8   | <1  | 0.06  | 35  | <0.001 | <20 | 0.30 | 0.035 | 0.16 | 0.2  | <0.01 | 0.7 | <0.1 | 0.42  | <1  | <0.5 |
| 52423  | Drill Core | 0.037 | 6   | <1  | 0.04  | 39  | <0.001 | <20 | 0.29 | 0.045 | 0.16 | 0.1  | <0.01 | 0.7 | <0.1 | 1.51  | <1  | <0.5 |
| 52424  | Drill Core | 0.035 | 5   | 1   | 0.04  | 37  | <0.001 | <20 | 0.26 | 0.034 | 0.16 | 0.3  | <0.01 | 1.0 | <0.1 | 2.08  | <1  | <0.5 |
| 52425  | Drill Core | 0.040 | 8   | 2   | 0.04  | 41  | <0.001 | <20 | 0.28 | 0.037 | 0.17 | <0.1 | <0.01 | 0.8 | <0.1 | 0.37  | <1  | <0.5 |
| 52426  | Drill Core | 0.039 | 5   | 1   | 0.04  | 35  | <0.001 | <20 | 0.27 | 0.043 | 0.15 | 0.3  | <0.01 | 1.0 | <0.1 | 1.16  | <1  | <0.5 |
| 52427  | Drill Core | 0.038 | 5   | 1   | 0.06  | 24  | <0.001 | <20 | 0.26 | 0.057 | 0.10 | 0.1  | <0.01 | 1.1 | <0.1 | 1.15  | <1  | <0.5 |
| 52428  | Drill Core | 0.039 | 5   | <1  | 0.05  | 17  | <0.001 | <20 | 0.32 | 0.045 | 0.06 | 0.1  | <0.01 | 1.0 | <0.1 | 1.46  | <1  | <0.5 |
| 52429  | Drill Core | 0.014 | 15  | 11  | <0.01 | 7   | <0.001 | <20 | 0.08 | 0.005 | 0.05 | 0.1  | <0.01 | 0.3 | <0.1 | 3.60  | <1  | 1.1  |
| 52430  | Drill Core | 0.054 | 24  | 6   | 0.02  | 12  | <0.001 | <20 | 0.17 | 0.008 | 0.08 | 1.6  | <0.01 | 0.5 | <0.1 | 3.72  | <1  | 1.2  |
| 52431  | Drill Core | 0.050 | 22  | 11  | <0.01 | 9   | <0.001 | <20 | 0.10 | 0.004 | 0.07 | 0.1  | <0.01 | 0.3 | <0.1 | 3.87  | <1  | 1.5  |
| 52432  | Drill Core | 0.029 | 21  | 11  | 0.04  | 15  | <0.001 | <20 | 0.07 | 0.003 | 0.05 | 2.9  | <0.01 | 0.3 | <0.1 | 3.84  | <1  | 1.1  |
| 52433  | Drill Core | 0.083 | 30  | 8   | 0.12  | 11  | <0.001 | <20 | 0.14 | 0.003 | 0.10 | 0.7  | <0.01 | 0.8 | <0.1 | 5.13  | <1  | 2.6  |
| 52434  | Drill Core | 0.090 | 26  | 11  | <0.01 | 11  | <0.001 | <20 | 0.13 | 0.003 | 0.08 | 0.2  | <0.01 | 0.5 | <0.1 | 4.63  | <1  | 1.7  |
| 52435  | Drill Core | 0.029 | 24  | 12  | <0.01 | 6   | <0.001 | <20 | 0.07 | 0.002 | 0.05 | 1.0  | <0.01 | 0.3 | <0.1 | 3.82  | <1  | 1.6  |
| 52436  | Drill Core | 0.201 | 11  | 10  | 0.02  | 7   | 0.002  | <20 | 0.10 | 0.003 | 0.06 | 0.1  | <0.01 | 0.4 | <0.1 | 4.81  | <1  | 3.4  |
| 52437  | Drill Core | 0.051 | 18  | 11  | <0.01 | 7   | <0.001 | <20 | 0.08 | 0.002 | 0.05 | 0.7  | <0.01 | 0.3 | <0.1 | 4.46  | <1  | 2.7  |
| 52438  | Drill Core | 0.072 | 11  | 16  | <0.01 | 7   | 0.001  | <20 | 0.09 | 0.002 | 0.06 | 0.3  | <0.01 | 0.5 | <0.1 | 7.59  | <1  | 2.6  |
| 52439  | Drill Core | 0.011 | 3   | 16  | <0.01 | 4   | <0.001 | <20 | 0.05 | 0.001 | 0.04 | 0.8  | <0.01 | 0.3 | <0.1 | 5.70  | <1  | 1.5  |
| 52440  | Drill Core | 0.017 | 12  | 13  | 0.02  | 5   | <0.001 | <20 | 0.06 | 0.002 | 0.04 | 0.2  | <0.01 | 0.4 | <0.1 | 5.63  | <1  | 2.0  |
| 52441  | Drill Core | 0.016 | 20  | 13  | 0.07  | 5   | <0.001 | <20 | 0.05 | 0.001 | 0.04 | 0.8  | <0.01 | 0.4 | <0.1 | 8.27  | <1  | 4.2  |
| 52442  | Drill Core | 0.128 | 11  | 9   | 0.02  | 14  | 0.001  | <20 | 0.16 | 0.003 | 0.11 | 0.2  | <0.01 | 0.6 | <0.1 | 4.42  | <1  | 2.0  |

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Project: Z08-1  
Report Date: July 16, 2008

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| Method | WGT        | 1DX  | 1DX | 1DX   | 1DX  | 1DX | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  | 1DX | 1DX | 1DX  | 1DX  | 1DX  |          |
|--------|------------|------|-----|-------|------|-----|------|------|-------|------|------|-------|------|------|-----|-----|------|------|------|----------|
|        | Analyte    | Mo   | Cu  | Pb    | Zn   | Ag  | Ni   | Co   | Mn    | Fe   | As   | U     | Au   | Th   | Sr  | Cd  | Sb   | Bi   | V    | Ca       |
|        | Unit       | Wgt  | ppm | ppm   | ppm  | ppm | ppm  | ppm  | ppm   | %    | ppm  | ppm   | ppb  | ppm  | ppm | ppm | ppm  | ppm  | %    |          |
|        | MDL        | 0.01 | 0.1 | 0.1   | 0.1  | 1   | 0.1  | 0.1  | 0.1   | 0.01 | 0.5  | 0.1   | 0.5  | 0.1  | 1   | 0.1 | 0.1  | 0.1  | 2    | 0.01     |
| 52443  | Drill Core | 1.88 | 1.0 | 39.6  | 31.9 | <1  | 0.9  | 40.4 | 192.8 | 19   | 3.84 | 74.0  | 7.3  | 67.8 | 3.0 | 7   | <0.1 | 0.8  | 17.1 | <2 0.06  |
| 52444  | Drill Core | 2.11 | 0.7 | 6.5   | 6.5  | <1  | 0.2  | 18.7 | 101.0 | 18   | 2.08 | 29.8  | 3.3  | 13.2 | 7.3 | 4   | <0.1 | 0.1  | 2.7  | <2 0.07  |
| 52445  | Drill Core | 1.91 | 0.4 | 1.7   | 4.4  | <1  | 0.1  | 10.7 | 54.0  | 16   | 1.32 | 22.4  | 2.4  | 7.4  | 6.2 | 2   | <0.1 | 0.1  | 1.2  | <2 0.02  |
| 52446  | Drill Core | 1.81 | 0.9 | 4.1   | 8.5  | 3   | 0.2  | 22.1 | 90.2  | 19   | 2.23 | 30.2  | 4.3  | 8.8  | 3.0 | 3   | <0.1 | 0.1  | 3.0  | <2 0.03  |
| 52447  | Drill Core | 1.80 | 1.0 | 4.1   | 9.7  | 2   | 0.3  | 30.9 | 127.8 | 62   | 3.51 | 56.8  | 2.2  | 14.3 | 2.4 | 8   | <0.1 | 0.1  | 4.3  | <2 0.05  |
| 52448  | Drill Core | 1.94 | 0.9 | 3.1   | 7.5  | 1   | 0.2  | 20.1 | 93.2  | 50   | 2.62 | 35.2  | 4.5  | 28.4 | 2.4 | 9   | <0.1 | 0.2  | 3.4  | <2 0.03  |
| 52449  | Drill Core | 1.51 | 1.4 | 6.0   | 5.6  | <1  | 0.1  | 14.3 | 91.7  | 18   | 2.66 | 30.3  | 3.4  | 13.0 | 1.5 | 2   | <0.1 | 0.2  | 4.3  | <2 0.01  |
| 52450  | Drill Core | 1.60 | 1.0 | 12.9  | 8.4  | <1  | 0.2  | 16.5 | 94.1  | 21   | 3.01 | 28.5  | 2.3  | 21.0 | 0.9 | 2   | <0.1 | 0.4  | 7.2  | <2 0.02  |
| 52451  | Drill Core | 1.75 | 0.7 | 8.0   | 6.1  | <1  | 0.2  | 10.9 | 55.8  | 21   | 1.80 | 18.6  | 2.3  | 12.5 | 0.8 | 2   | <0.1 | 0.3  | 4.5  | <2 <0.01 |
| 52452  | Drill Core | 1.75 | 1.6 | 12.3  | 15.9 | <1  | 0.4  | 31.2 | 184.9 | 36   | 3.34 | 54.2  | 7.3  | 29.4 | 1.5 | 11  | <0.1 | 0.5  | 11.2 | 3 0.12   |
| 52453  | Drill Core | 2.00 | 1.2 | 213.7 | 29.3 | 3   | 1.2  | 52.2 | 293.7 | 84   | 5.85 | 88.5  | 7.4  | 62.6 | 0.9 | 22  | <0.1 | 1.1  | 21.5 | 3 0.20   |
| 52454  | Drill Core | 2.37 | 1.1 | 22.3  | 17.4 | 1   | 0.4  | 79.1 | 452.2 | 44   | 7.50 | 84.3  | 23.0 | 48.7 | 1.2 | 16  | <0.1 | 0.8  | 15.2 | <2 0.18  |
| 52455  | Drill Core | 1.93 | 1.5 | 10.0  | 5.8  | 2   | 0.1  | 37.2 | 180.1 | 28   | 4.94 | 54.2  | 11.8 | 14.3 | 4.4 | 4   | <0.1 | 0.3  | 5.8  | <2 0.05  |
| 52456  | Drill Core | 2.07 | 0.9 | 6.6   | 3.8  | 2   | <0.1 | 23.8 | 99.2  | 35   | 3.46 | 43.3  | 4.4  | 6.8  | 6.2 | 10  | <0.1 | 0.1  | 3.0  | <2 0.05  |
| 52457  | Drill Core | 1.82 | 1.9 | 5.9   | 5.3  | 2   | 0.1  | 21.2 | 94.0  | 19   | 4.18 | 39.2  | 5.6  | 10.9 | 3.2 | 2   | <0.1 | 0.2  | 5.3  | <2 0.02  |
| 52458  | Drill Core | 1.66 | 2.9 | 11.1  | 7.5  | 3   | 0.2  | 40.6 | 109.2 | 23   | 6.11 | 96.3  | 2.7  | 15.7 | 2.3 | 3   | <0.1 | 0.3  | 8.4  | 3 0.03   |
| 52459  | Drill Core | 1.77 | 3.7 | 13.3  | 10.1 | 1   | 0.3  | 39.6 | 164.3 | 40   | 6.48 | 107.9 | 3.6  | 32.6 | 0.7 | 7   | <0.1 | 0.6  | 12.3 | <2 0.04  |
| 52460  | Drill Core | 1.79 | 3.2 | 17.6  | 12.5 | 2   | 0.3  | 25.4 | 123.8 | 64   | 6.86 | 89.4  | 2.0  | 29.0 | 1.4 | 8   | <0.1 | 0.4  | 8.6  | <2 0.03  |
| 52461  | Drill Core | 2.11 | 2.7 | 26.7  | 14.6 | 3   | 0.4  | 24.3 | 78.7  | 26   | 7.05 | 79.2  | 1.0  | 19.5 | 2.0 | 3   | <0.1 | 0.3  | 9.1  | <2 <0.01 |
| 52462  | Drill Core | 1.52 | 2.2 | 25.4  | 15.2 | 3   | 0.4  | 24.9 | 101.3 | 29   | 8.24 | 71.0  | 1.2  | 35.7 | 3.2 | 5   | <0.1 | 0.5  | 15.2 | <2 0.01  |
| 52463  | Drill Core | 1.80 | 2.3 | 22.8  | 7.9  | 3   | 0.2  | 28.3 | 90.2  | 28   | 6.54 | 91.6  | 1.0  | 14.7 | 1.8 | 2   | <0.1 | 0.3  | 7.3  | <2 0.02  |
| 52464  | Drill Core | 1.80 | 2.4 | 89.6  | 5.6  | 3   | 0.2  | 16.8 | 59.6  | 20   | 4.73 | 64.6  | 0.8  | 16.1 | 4.0 | 1   | <0.1 | 0.2  | 5.2  | <2 0.01  |
| 52465  | Drill Core | 2.17 | 2.5 | 45.3  | 8.0  | 2   | 0.2  | 20.5 | 95.1  | 22   | 6.88 | 89.3  | 1.1  | 8.8  | 3.3 | 3   | <0.1 | 0.2  | 7.0  | <2 0.01  |
| 52466  | Drill Core | 1.55 | 3.3 | 55.4  | 11.0 | 2   | 0.3  | 20.1 | 78.7  | 28   | 6.99 | 81.5  | 0.6  | 21.6 | 1.7 | 8   | <0.1 | 0.3  | 12.1 | <2 <0.01 |
| 52467  | Drill Core | 1.84 | 1.3 | 58.9  | 16.4 | 2   | 0.2  | 10.7 | 29.3  | 53   | 2.68 | 37.6  | 0.7  | 17.2 | 4.3 | 6   | <0.1 | 0.1  | 2.5  | <2 0.01  |
| 52468  | Drill Core | 1.39 | 1.0 | 64.6  | 2.7  | 1   | <0.1 | 14.0 | 29.4  | 19   | 2.92 | 37.3  | 0.5  | 3.6  | 4.2 | 3   | <0.1 | <0.1 | 2.6  | <2 <0.01 |
| 52469  | Drill Core | 1.64 | 1.2 | 197.4 | 8.6  | 3   | 0.3  | 38.6 | 57.2  | 20   | 7.53 | 135.5 | 0.3  | 12.4 | 1.7 | 2   | <0.1 | 0.2  | 8.5  | <2 <0.01 |
| 52470  | Drill Core | 1.79 | 1.8 | 76.2  | 4.2  | 4   | 0.1  | 13.7 | 30.0  | 31   | 2.60 | 25.3  | 0.8  | 8.1  | 4.0 | 6   | <0.1 | 0.1  | 3.0  | 3 0.03   |
| 52471  | Drill Core | 1.73 | 1.1 | 249.5 | 3.5  | 6   | 0.2  | 9.8  | 30.2  | 40   | 2.68 | 28.5  | 0.9  | 5.8  | 4.7 | 13  | <0.1 | 0.1  | 3.5  | 2 0.02   |
| 52472  | Drill Core | 1.62 | 5.8 | 28.9  | 51.3 | 3   | 1.3  | 20.2 | 73.4  | 20   | 3.51 | 52.7  | 1.0  | 46.4 | 5.0 | 1   | <0.1 | 0.2  | 23.8 | 2 <0.01  |

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Client:

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207 - 239 - 12th Ave S.W.  
Calgary AB T2R 1H6 Canada

Project: Z08-1

Report Date: July 16, 2008

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| Method  | 1DX        | 1DX   | 1DX | 1DX  | 1DX   | 1DX   | 1DX    | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX |      |
|---------|------------|-------|-----|------|-------|-------|--------|------|-------|-------|------|------|-------|-----|------|------|-----|------|
|         | P          | La    | Cr  | Mg   | Ba    | Tl    | B      | Al   | Na    | K     | W    | Hg   | Sc    | Tl  | S    | Ga   | Se  |      |
| Analyte | %          | ppm   | ppm | %    | ppm   | %     | ppm    | %    | %     | ppm   | ppm  | ppm  | ppm   | ppm | %    | ppm  | ppm |      |
| Unit    |            |       |     |      |       |       |        |      |       |       |      |      |       |     |      |      |     |      |
| MDL     | 0.001      | 1     | 1   | 0.01 | 1     | 0.001 | 20     | 0.01 | 0.001 | 0.01  | 0.1  | 0.01 | 0.1   | 0.1 | 0.05 | 1    | 0.5 |      |
| 52443   | Drill Core | 0.027 | 19  | 8    | <0.01 | 13    | <0.001 | <20  | 0.14  | 0.002 | 0.11 | 0.7  | <0.01 | 0.6 | <0.1 | 4.27 | <1  | 1.6  |
| 52444   | Drill Core | 0.028 | 8   | 8    | <0.01 | 15    | <0.001 | <20  | 0.16  | 0.004 | 0.13 | 0.1  | <0.01 | 0.5 | <0.1 | 2.21 | <1  | 0.6  |
| 52445   | Drill Core | 0.008 | 5   | 10   | <0.01 | 11    | <0.001 | <20  | 0.11  | 0.003 | 0.09 | 0.6  | <0.01 | 0.3 | <0.1 | 1.34 | <1  | <0.5 |
| 52446   | Drill Core | 0.014 | 11  | 8    | <0.01 | 11    | <0.001 | <20  | 0.13  | 0.004 | 0.10 | <0.1 | <0.01 | 0.6 | <0.1 | 2.36 | <1  | 0.9  |
| 52447   | Drill Core | 0.020 | 21  | 11   | 0.06  | 10    | <0.001 | <20  | 0.12  | 0.003 | 0.09 | 0.6  | <0.01 | 0.6 | <0.1 | 3.64 | <1  | 1.1  |
| 52448   | Drill Core | 0.012 | 8   | 9    | 0.04  | 9     | <0.001 | <20  | 0.10  | 0.003 | 0.08 | 0.8  | <0.01 | 0.4 | <0.1 | 2.72 | <1  | 0.9  |
| 52449   | Drill Core | 0.005 | 21  | 11   | <0.01 | 8     | <0.001 | <20  | 0.09  | 0.002 | 0.07 | <0.1 | <0.01 | 0.4 | <0.1 | 2.87 | <1  | 1.2  |
| 52450   | Drill Core | 0.007 | 16  | 13   | <0.01 | 6     | <0.001 | <20  | 0.07  | 0.002 | 0.05 | 0.9  | <0.01 | 0.4 | <0.1 | 3.23 | <1  | 1.0  |
| 52451   | Drill Core | 0.003 | 19  | 11   | <0.01 | 5     | <0.001 | <20  | 0.06  | 0.001 | 0.05 | <0.1 | <0.01 | 0.3 | <0.1 | 1.85 | <1  | 1.1  |
| 52452   | Drill Core | 0.063 | 72  | 9    | <0.01 | 10    | <0.001 | <20  | 0.13  | 0.003 | 0.08 | 0.7  | <0.01 | 0.6 | <0.1 | 3.58 | <1  | 1.2  |
| 52453   | Drill Core | 0.106 | 40  | 13   | 0.08  | 12    | 0.001  | <20  | 0.14  | 0.003 | 0.08 | 0.1  | <0.01 | 0.7 | <0.1 | 6.28 | <1  | 3.0  |
| 52454   | Drill Core | 0.094 | 17  | 12   | 0.03  | 11    | 0.001  | <20  | 0.12  | 0.004 | 0.07 | 0.7  | <0.01 | 0.5 | <0.1 | 8.41 | <1  | 4.5  |
| 52455   | Drill Core | 0.026 | 4   | 9    | 0.03  | 15    | <0.001 | <20  | 0.16  | 0.005 | 0.11 | <0.1 | <0.01 | 0.4 | <0.1 | 5.35 | <1  | 2.0  |
| 52456   | Drill Core | 0.023 | 3   | 9    | 0.02  | 13    | <0.001 | <20  | 0.14  | 0.004 | 0.10 | 0.6  | <0.01 | 0.4 | <0.1 | 3.69 | <1  | 1.2  |
| 52457   | Drill Core | 0.010 | <1  | 11   | <0.01 | 9     | <0.001 | <20  | 0.11  | 0.004 | 0.08 | 0.1  | <0.01 | 0.3 | <0.1 | 4.60 | <1  | 1.3  |
| 52458   | Drill Core | 0.014 | 1   | 16   | <0.01 | 7     | <0.001 | <20  | 0.10  | 0.003 | 0.08 | 0.7  | <0.01 | 0.4 | <0.1 | 6.91 | <1  | 2.1  |
| 52459   | Drill Core | 0.019 | <1  | 18   | 0.03  | 5     | <0.001 | <20  | 0.06  | 0.002 | 0.04 | <0.1 | <0.01 | 0.2 | <0.1 | 7.11 | <1  | 2.4  |
| 52460   | Drill Core | 0.012 | <1  | 10   | 0.08  | 7     | <0.001 | <20  | 0.08  | 0.002 | 0.06 | 0.8  | <0.01 | 0.3 | <0.1 | 7.40 | <1  | 2.8  |
| 52461   | Drill Core | 0.003 | 1   | 12   | 0.01  | 7     | <0.001 | <20  | 0.08  | 0.002 | 0.06 | 0.1  | <0.01 | 0.3 | <0.1 | 7.76 | <1  | 2.4  |
| 52462   | Drill Core | 0.005 | 2   | 10   | 0.02  | 7     | <0.001 | <20  | 0.08  | 0.002 | 0.06 | 1.0  | <0.01 | 0.2 | <0.1 | 8.81 | <1  | 3.0  |
| 52463   | Drill Core | 0.008 | <1  | 12   | <0.01 | 4     | <0.001 | <20  | 0.06  | 0.002 | 0.04 | <0.1 | <0.01 | 0.2 | <0.1 | 9.22 | <1  | 3.5  |
| 52464   | Drill Core | 0.004 | 1   | 9    | <0.01 | 11    | <0.001 | <20  | 0.12  | 0.004 | 0.10 | 0.8  | <0.01 | 0.5 | <0.1 | 5.22 | <1  | 1.6  |
| 52465   | Drill Core | 0.004 | <1  | 11   | <0.01 | 11    | <0.001 | <20  | 0.12  | 0.004 | 0.09 | <0.1 | <0.01 | 0.4 | <0.1 | 7.52 | <1  | 2.5  |
| 52466   | Drill Core | 0.003 | 7   | 10   | 0.03  | 11    | <0.001 | <20  | 0.10  | 0.003 | 0.08 | 0.8  | <0.01 | 0.4 | <0.1 | 7.72 | <1  | 2.0  |
| 52467   | Drill Core | 0.005 | 2   | 9    | 0.05  | 14    | <0.001 | <20  | 0.13  | 0.005 | 0.10 | <0.1 | <0.01 | 0.4 | <0.1 | 2.68 | <1  | <0.5 |
| 52468   | Drill Core | 0.004 | 6   | 8    | <0.01 | 14    | <0.001 | <20  | 0.13  | 0.004 | 0.11 | 0.6  | <0.01 | 0.3 | <0.1 | 3.11 | <1  | 0.6  |
| 52469   | Drill Core | 0.002 | 6   | 14   | <0.01 | 6     | <0.001 | <20  | 0.08  | 0.004 | 0.06 | <0.1 | <0.01 | 0.4 | <0.1 | 8.12 | <1  | 1.7  |
| 52470   | Drill Core | 0.013 | 1   | 12   | 0.05  | 11    | <0.001 | <20  | 0.17  | 0.004 | 0.10 | 0.6  | <0.01 | 0.7 | <0.1 | 2.64 | <1  | 0.9  |
| 52471   | Drill Core | 0.005 | 2   | 11   | 0.07  | 13    | <0.001 | <20  | 0.19  | 0.004 | 0.10 | <0.1 | <0.01 | 0.4 | <0.1 | 2.74 | <1  | 1.1  |
| 52472   | Drill Core | 0.002 | 8   | 10   | 0.01  | 11    | <0.001 | <20  | 0.15  | 0.004 | 0.11 | 0.5  | <0.01 | 0.5 | <0.1 | 3.80 | <1  | 1.4  |

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Project:

Z08-1

Report Date:

July 16, 2008

Page:

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Part 1

| Method | WGHT       | 1DX  | 1DX | 1DX   | 1DX   | 1DX | 1DX  | 1DX   | 1DX   | 1DX | 1DX  | 1DX   | 1DX  | 1DX  | 1DX | 1DX | 1DX  | 1DX  | 1DX  | 1DX | 1DX   |
|--------|------------|------|-----|-------|-------|-----|------|-------|-------|-----|------|-------|------|------|-----|-----|------|------|------|-----|-------|
|        | Analyte    | Wgt  | Mo  | Cu    | Pb    | Zn  | Ag   | Ni    | Co    | Mn  | Fe   | As    | U    | Au   | Th  | Sr  | Cd   | Sb   | Bi   | V   | Ca    |
|        | Unit       | kg   | ppm | ppm   | ppm   | ppm | ppm  | ppm   | ppm   | ppm | %    | ppm   | ppm  | ppb  | ppm | ppm | ppm  | ppm  | ppm  | ppm | %     |
|        | MDL        | 0.01 | 0.1 | 0.1   | 0.1   | 1   | 0.1  | 0.1   | 0.1   | 1   | 0.01 | 0.5   | 0.1  | 0.5  | 0.1 | 1   | 0.1  | 0.1  | 0.1  | 2   | 0.01  |
| 52473  | Drill Core | 1.70 | 9.6 | 120.3 | 16.4  | 3   | 0.5  | 15.8  | 71.4  | 20  | 5.40 | 53.1  | 0.6  | 27.7 | 2.1 | 4   | <0.1 | 0.2  | 17.3 | <2  | <0.01 |
| 52474  | Drill Core | 1.81 | 2.3 | 815.2 | 3.4   | 5   | 1.0  | 9.5   | 30.7  | 20  | 2.43 | 44.2  | 0.8  | 8.6  | 3.0 | 2   | <0.1 | 0.1  | 4.8  | <2  | <0.01 |
| 52475  | Drill Core | 1.60 | 4.0 | 2292  | 9.3   | 12  | 2.6  | 31.4  | 90.4  | 25  | 5.59 | 153.1 | 0.4  | 22.4 | 0.2 | 1   | 0.3  | 0.3  | 14.7 | 3   | <0.01 |
| 52476  | Drill Core | 1.73 | 2.9 | 2155  | 8.6   | 10  | 2.2  | 25.4  | 64.0  | 21  | 3.43 | 81.9  | 0.2  | 20.7 | 0.2 | 6   | 0.2  | 0.2  | 14.8 | 3   | 0.01  |
| 52477  | Drill Core | 2.41 | 1.4 | 4526  | 9.2   | 14  | 3.0  | 35.7  | 90.8  | 21  | 4.38 | 108.3 | 1.1  | 25.7 | 0.3 | 3   | 0.2  | 0.3  | 15.7 | 4   | <0.01 |
| 52478  | Drill Core | 2.87 | 1.7 | 38.6  | 117.6 | 2   | 0.8  | 40.4  | 201.0 | 19  | 4.10 | 54.9  | 22.3 | 54.8 | 1.4 | 30  | <0.1 | 0.5  | 14.6 | <2  | 0.03  |
| 52479  | Drill Core | 1.69 | 1.0 | 30.5  | 5.1   | <1  | <0.1 | 24.6  | 153.4 | 17  | 2.78 | 33.2  | 11.5 | 17.7 | 1.9 | 26  | <0.1 | 0.3  | 8.8  | <2  | 0.01  |
| 52480  | Drill Core | 1.85 | 1.0 | 20.5  | 8.5   | 1   | 0.1  | 42.6  | 198.2 | 17  | 4.31 | 58.1  | 10.7 | 26.3 | 1.7 | 76  | <0.1 | 0.4  | 15.9 | <2  | 0.04  |
| 52481  | Drill Core | 1.81 | 0.9 | 18.5  | 7.7   | 4   | <0.1 | 46.1  | 208.6 | 18  | 4.65 | 45.3  | 4.4  | 22.6 | 2.8 | 386 | <0.1 | 0.7  | 11.1 | 7   | 1.22  |
| 52482  | Drill Core | 1.97 | 1.0 | 8.4   | 4.3   | 3   | <0.1 | 82.7  | 306.9 | 22  | 5.44 | 51.4  | 3.7  | 12.4 | 3.0 | 202 | <0.1 | 0.5  | 6.7  | 6   | 1.40  |
| 52483  | Drill Core | 2.23 | 0.8 | 11.7  | 5.1   | 3   | <0.1 | 89.0  | 274.7 | 19  | 5.64 | 53.0  | 1.1  | 14.7 | 3.3 | 101 | <0.1 | 0.5  | 7.4  | 5   | 1.18  |
| 52484  | Drill Core | 1.63 | 0.9 | 12.6  | 5.3   | 2   | <0.1 | 90.4  | 316.6 | 14  | 5.39 | 71.3  | 1.4  | 15.8 | 1.5 | 49  | <0.1 | 0.5  | 8.1  | 3   | 0.23  |
| 52485  | Drill Core | 1.78 | 0.8 | 6.5   | 2.5   | 1   | <0.1 | 44.7  | 167.1 | 17  | 3.41 | 29.5  | 0.8  | 4.7  | 1.6 | 22  | <0.1 | 0.2  | 3.5  | 3   | 0.13  |
| 52486  | Drill Core | 1.81 | 0.8 | 15.2  | 6.8   | 3   | <0.1 | 108.0 | 299.5 | 17  | 5.85 | 53.9  | 1.7  | 18.4 | 2.3 | 65  | <0.1 | 0.6  | 8.1  | 3   | 0.36  |
| 52487  | Drill Core | 1.87 | 0.9 | 7.5   | 3.0   | 2   | <0.1 | 38.9  | 155.1 | 17  | 3.52 | 30.1  | 5.6  | 7.1  | 2.8 | 30  | <0.1 | 0.2  | 3.7  | 3   | 0.34  |
| 52488  | Drill Core | 1.85 | 0.9 | 6.2   | 2.8   | <1  | <0.1 | 40.8  | 160.6 | 16  | 3.55 | 27.9  | 1.3  | 7.5  | 2.1 | 22  | <0.1 | 0.2  | 4.7  | 2   | 0.23  |
| 52489  | Drill Core | 1.93 | 0.5 | 9.7   | 3.5   | <1  | <0.1 | 38.2  | 159.2 | 13  | 3.43 | 31.6  | 2.0  | 8.5  | 2.0 | 44  | <0.1 | 0.2  | 5.1  | 3   | 0.22  |
| 52490  | Drill Core | 1.74 | 0.9 | 91.0  | 13.4  | 3   | 0.1  | 26.6  | 128.5 | 20  | 3.26 | 41.6  | 2.2  | 46.4 | 1.1 | 36  | <0.1 | 0.5  | 13.4 | <2  | 0.03  |
| 52491  | Drill Core | 1.72 | 2.4 | 588.5 | 9.2   | 2   | 0.4  | 29.4  | 105.7 | 12  | 2.53 | 53.8  | 5.2  | 20.2 | 1.4 | 22  | <0.1 | 0.3  | 13.6 | <2  | 0.04  |
| 52492  | Drill Core | 1.62 | 2.9 | 31.1  | 10.7  | <1  | 0.2  | 25.1  | 121.6 | 19  | 3.49 | 43.8  | 5.4  | 23.4 | 3.1 | 6   | <0.1 | 0.2  | 13.7 | <2  | 0.03  |
| 52493  | Drill Core | 2.00 | 1.0 | 5.8   | 2.6   | <1  | <0.1 | 17.5  | 53.7  | 15  | 2.13 | 20.8  | 2.6  | 6.5  | 4.7 | 7   | <0.1 | 0.3  | 2.9  | <2  | 0.01  |
| 52494  | Drill Core | 2.05 | 1.3 | 6.7   | 2.9   | <1  | <0.1 | 33.6  | 162.9 | 20  | 3.26 | 38.2  | 4.6  | 8.6  | 3.0 | 4   | <0.1 | 0.2  | 3.3  | <2  | 0.05  |
| 52495  | Drill Core | 1.53 | 1.0 | 3.0   | 1.5   | <1  | <0.1 | 12.6  | 55.2  | 15  | 1.86 | 17.0  | 2.8  | 3.5  | 3.7 | 2   | <0.1 | 0.1  | 1.3  | <2  | <0.01 |
| 52496  | Drill Core | 1.61 | 1.5 | 5.1   | 2.0   | <1  | <0.1 | 14.4  | 62.1  | 17  | 2.57 | 19.3  | 5.3  | 4.7  | 4.8 | 3   | <0.1 | 0.1  | 1.9  | <2  | 0.01  |
| 52497  | Drill Core | 1.85 | 0.6 | 4.6   | 1.2   | <1  | <0.1 | 12.3  | 49.3  | 15  | 1.85 | 15.0  | 3.2  | 3.1  | 4.8 | 3   | <0.1 | <0.1 | 1.1  | <2  | <0.01 |
| 52498  | Drill Core | 1.95 | 1.2 | 3.8   | 1.9   | <1  | <0.1 | 14.9  | 68.3  | 20  | 2.40 | 26.1  | 3.2  | 3.2  | 3.5 | 8   | <0.1 | 0.1  | 2.1  | <2  | 0.01  |
| 52499  | Drill Core | 1.86 | 0.5 | 3.3   | 1.8   | <1  | <0.1 | 17.3  | 101.8 | 17  | 2.05 | 13.3  | 2.3  | 2.9  | 3.9 | 4   | <0.1 | 0.1  | 1.5  | <2  | 0.01  |
| 52500  | Drill Core | 1.91 | 0.7 | 5.7   | 3.4   | <1  | <0.1 | 37.2  | 217.2 | 17  | 4.66 | 35.1  | 11.4 | 6.8  | 5.0 | 13  | <0.1 | 0.2  | 4.2  | <2  | 0.05  |
| 53301  | Drill Core | 1.81 | 1.0 | 2.5   | 1.4   | <1  | <0.1 | 13.8  | 70.2  | 15  | 1.92 | 15.6  | 5.7  | 2.3  | 4.6 | 8   | <0.1 | <0.1 | 1.4  | <2  | 0.02  |
| 53302  | Drill Core | 1.94 | 1.2 | 2.1   | 1.8   | <1  | <0.1 | 15.5  | 76.0  | 17  | 2.11 | 22.3  | 1.5  | 2.0  | 3.9 | 17  | <0.1 | <0.1 | 1.7  | <2  | 0.16  |

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Z08-1

Report Date:

July 16, 2008

Page:

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| Analyte | Method     | 1DX   | 1DX | 1DX | 1DX   | 1DX | 1DX    | 1DX | 1DX  | 1DX    | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX |      |
|---------|------------|-------|-----|-----|-------|-----|--------|-----|------|--------|------|------|-------|-----|------|------|-----|------|
|         | P          | La    | Cr  | Mg  | Ba    | Tl  | B      | Al  | Na   | K      | W    | Hg   | Sc    | Tl  | S    | Ga   | Se  |      |
|         | Unit       | %     | ppm | ppm | %     | ppm | %      | ppm | %    | %      | ppm  | ppm  | ppm   | ppm | %    | ppm  | ppm |      |
|         | MDL        | 0.001 | 1   | 1   | 0.01  | 1   | 0.001  | 20  | 0.01 | 0.001  | 0.01 | 0.1  | 0.01  | 0.1 | 0.1  | 0.05 | 1   | 0.5  |
| 52473   | Drill Core | 0.004 | 2   | 10  | 0.02  | 8   | <0.001 | <20 | 0.10 | 0.003  | 0.07 | <0.1 | <0.01 | 0.4 | <0.1 | 6.10 | <1  | 1.8  |
| 52474   | Drill Core | 0.002 | 6   | 11  | 0.01  | 7   | <0.001 | <20 | 0.11 | 0.004  | 0.08 | 0.5  | <0.01 | 0.4 | <0.1 | 2.53 | <1  | 1.0  |
| 52475   | Drill Core | 0.002 | 1   | 15  | <0.01 | 4   | <0.001 | <20 | 0.06 | 0.003  | 0.04 | 0.1  | <0.01 | 0.5 | <0.1 | 6.09 | <1  | 3.3  |
| 52476   | Drill Core | 0.004 | 2   | 16  | <0.01 | 5   | <0.001 | <20 | 0.07 | 0.002  | 0.05 | 0.6  | <0.01 | 0.5 | <0.1 | 3.73 | <1  | 1.8  |
| 52477   | Drill Core | 0.002 | 10  | 15  | <0.01 | 6   | 0.002  | <20 | 0.08 | 0.002  | 0.06 | 0.1  | <0.01 | 0.6 | <0.1 | 4.72 | <1  | 2.5  |
| 52478   | Drill Core | 0.020 | 50  | 14  | <0.01 | 15  | <0.001 | <20 | 0.08 | 0.002  | 0.06 | 0.8  | <0.01 | 0.5 | <0.1 | 4.56 | <1  | 1.9  |
| 52479   | Drill Core | 0.013 | 44  | 10  | <0.01 | 14  | <0.001 | <20 | 0.07 | 0.002  | 0.05 | <0.1 | <0.01 | 0.4 | <0.1 | 2.96 | <1  | 1.3  |
| 52480   | Drill Core | 0.029 | 28  | 6   | 0.02  | 29  | <0.001 | <20 | 0.13 | 0.002  | 0.07 | 0.5  | <0.01 | 0.8 | <0.1 | 4.69 | <1  | 2.0  |
| 52481   | Drill Core | 0.608 | 16  | 11  | 0.07  | 103 | 0.004  | <20 | 0.39 | 0.005  | 0.11 | <0.1 | <0.01 | 1.6 | <0.1 | 5.05 | 1   | 2.0  |
| 52482   | Drill Core | 0.629 | 24  | 7   | 0.03  | 65  | 0.005  | <20 | 0.36 | 0.007  | 0.16 | 1.2  | <0.01 | 1.0 | <0.1 | 6.15 | 1   | 2.7  |
| 52483   | Drill Core | 0.524 | 14  | 11  | 0.05  | 32  | 0.004  | <20 | 0.29 | 0.006  | 0.14 | <0.1 | <0.01 | 0.9 | <0.1 | 6.31 | <1  | 3.3  |
| 52484   | Drill Core | 0.109 | 10  | 11  | 0.01  | 17  | 0.001  | <20 | 0.14 | 0.005  | 0.08 | <0.1 | <0.01 | 0.5 | <0.1 | 6.12 | <1  | 4.7  |
| 52485   | Drill Core | 0.060 | 8   | 8   | 0.01  | 14  | <0.001 | <20 | 0.15 | 0.005  | 0.10 | 0.8  | <0.01 | 0.5 | <0.1 | 3.69 | <1  | 2.5  |
| 52486   | Drill Core | 0.166 | 7   | 9   | 0.02  | 29  | 0.002  | <20 | 0.17 | 0.005  | 0.10 | <0.1 | <0.01 | 0.6 | <0.1 | 6.54 | <1  | 3.5  |
| 52487   | Drill Core | 0.178 | 5   | 9   | 0.01  | 17  | 0.002  | <20 | 0.19 | 0.003  | 0.11 | 1.0  | <0.01 | 1.1 | <0.1 | 3.92 | <1  | 1.7  |
| 52488   | Drill Core | 0.117 | 7   | 6   | 0.01  | 13  | <0.001 | <20 | 0.14 | 0.003  | 0.08 | 1.3  | <0.01 | 0.7 | <0.1 | 3.93 | <1  | 1.9  |
| 52489   | Drill Core | 0.120 | 11  | 9   | <0.01 | 17  | 0.001  | <20 | 0.12 | 0.002  | 0.07 | 0.1  | <0.01 | 0.8 | <0.1 | 3.83 | <1  | 1.4  |
| 52490   | Drill Core | 0.020 | 24  | 7   | 0.02  | 15  | <0.001 | <20 | 0.10 | <0.001 | 0.04 | 1.4  | <0.01 | 0.5 | <0.1 | 3.54 | <1  | 1.3  |
| 52491   | Drill Core | 0.024 | 12  | 9   | <0.01 | 16  | <0.001 | <20 | 0.11 | 0.002  | 0.07 | <0.1 | <0.01 | 0.3 | <0.1 | 2.75 | <1  | 1.0  |
| 52492   | Drill Core | 0.020 | 10  | 7   | <0.01 | 13  | <0.001 | <20 | 0.11 | 0.002  | 0.08 | 1.3  | <0.01 | 0.3 | <0.1 | 3.89 | <1  | 1.2  |
| 52493   | Drill Core | 0.009 | 4   | 8   | <0.01 | 15  | <0.001 | <20 | 0.13 | 0.003  | 0.11 | 0.2  | <0.01 | 0.3 | <0.1 | 2.27 | <1  | <0.5 |
| 52494   | Drill Core | 0.025 | 17  | 8   | <0.01 | 11  | <0.001 | <20 | 0.12 | 0.003  | 0.08 | 1.3  | <0.01 | 0.3 | <0.1 | 3.52 | <1  | 1.2  |
| 52495   | Drill Core | 0.003 | 11  | 8   | <0.01 | 10  | <0.001 | <20 | 0.11 | 0.003  | 0.09 | <0.1 | <0.01 | 0.2 | <0.1 | 1.95 | <1  | 0.5  |
| 52496   | Drill Core | 0.007 | 25  | 7   | <0.01 | 15  | <0.001 | <20 | 0.15 | 0.003  | 0.11 | 1.0  | <0.01 | 0.3 | <0.1 | 2.78 | <1  | 0.7  |
| 52497   | Drill Core | 0.003 | 12  | 8   | <0.01 | 15  | <0.001 | <20 | 0.14 | 0.004  | 0.12 | <0.1 | <0.01 | 0.2 | <0.1 | 1.94 | <1  | <0.5 |
| 52498   | Drill Core | 0.008 | 17  | 7   | <0.01 | 12  | <0.001 | <20 | 0.13 | 0.003  | 0.10 | 1.0  | <0.01 | 0.3 | <0.1 | 2.53 | <1  | <0.5 |
| 52499   | Drill Core | 0.007 | 18  | 10  | <0.01 | 10  | <0.001 | <20 | 0.10 | 0.003  | 0.08 | <0.1 | <0.01 | 0.2 | <0.1 | 2.14 | <1  | 1.0  |
| 52500   | Drill Core | 0.029 | 25  | 5   | <0.01 | 16  | <0.001 | <20 | 0.14 | 0.003  | 0.11 | 0.8  | <0.01 | 0.4 | <0.1 | 5.36 | <1  | 1.0  |
| 53301   | Drill Core | 0.013 | 7   | 9   | <0.01 | 16  | <0.001 | <20 | 0.15 | 0.004  | 0.11 | <0.1 | <0.01 | 0.3 | <0.1 | 2.04 | <1  | <0.5 |
| 53302   | Drill Core | 0.076 | 5   | 9   | <0.01 | 17  | <0.001 | <20 | 0.15 | 0.003  | 0.11 | <0.1 | <0.01 | 0.5 | <0.1 | 2.27 | <1  | 0.6  |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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**Ruby Red Resources Inc.**

207 - 239 - 12th Ave S.W.  
Calgary AB T2R 1H6 Canada

Project: Z08-1  
Report Date: June 24, 2008

Page: 2 of 2 Part 1

**REPORT NUMBER: ANALYSIS****VAN08006660.1**

| Method  | 1DX        | 1DX | 1DX   | 1DX  | 1DX | 1DX  | 1DX  | 1DX   | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  | 1DX | 1DX | 1DX  | 1DX | 1DX  | 1DX  | 1DX   |       |
|---------|------------|-----|-------|------|-----|------|------|-------|------|-------|-------|------|------|-----|-----|------|-----|------|------|-------|-------|
| Analyte | Mo         | Cu  | Pb    | Zn   | Ag  | Ni   | Co   | Mn    | Fe   | As    | U     | Au   | Th   | Sr  | Cd  | Sb   | Bi  | V    | Ca   | P     |       |
| Unit    | ppm        | ppm | ppm   | ppm  | ppm | ppm  | ppm  | ppm   | %    | ppm   | ppm   | ppb  | ppm  | ppm | ppm | ppm  | ppm | ppm  | %    | %     |       |
| MDL     | 0.1        | 0.1 | 0.1   | 1    | 0.1 | 0.1  | 0.1  | 1     | 0.01 | 0.5   | 0.1   | 0.5  | 0.1  | 1   | 0.1 | 0.1  | 0.1 | 2    | 0.01 | 0.001 |       |
| 53324   | Drill Core | 0.9 | 103.1 | 9.0  | 3   | 0.1  | 89.0 | 701.4 | 20   | 10.10 | 127.7 | 28.8 | 35.9 | 1.2 | 6   | <0.1 | 0.8 | 16.6 | 2    | 0.04  | 0.020 |
| 53325   | Drill Core | 1.1 | 24.1  | 7.1  | 3   | <0.1 | 46.8 | 289.0 | 24   | 4.98  | 58.3  | 10.9 | 17.8 | 2.1 | 3   | <0.1 | 0.4 | 10.7 | <2   | 0.01  | 0.006 |
| 53326   | Drill Core | 1.5 | 261.6 | 10.0 | 12  | 0.2  | 34.9 | 166.5 | 23   | 4.20  | 66.6  | 8.6  | 28.2 | 3.6 | 6   | <0.1 | 0.4 | 15.4 | 2    | 0.03  | 0.015 |
| 53327   | Drill Core | 1.6 | 6954  | 1.8  | 40  | 1.9  | 18.9 | 26.4  | 38   | 3.61  | 19.4  | 1.0  | 9.3  | 4.8 | 2   | 0.4  | 0.2 | 1.2  | 11   | 0.02  | 0.010 |

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Project: Z08-1  
Report Date: July 16, 2008

Page: 5 of 12 Part 1

| Analyte | Method     | WGHT | 1DX | 1DX  | 1DX | 1DX | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX |          |
|---------|------------|------|-----|------|-----|-----|------|------|-------|------|------|------|------|------|------|-----|------|------|-----|----------|
|         | Wgt        | Mo   | Cu  | Pb   | Zn  | Ag  | Ni   | Co   | Mn    | Fe   | As   | U    | Au   | Th   | Sr   | Cd  | Sb   | Bi   | V   |          |
|         | Unit       | kg   | ppm | ppm  | ppm | ppm | ppm  | ppm  | ppm   | %    | ppm  | ppm  | ppb  | ppm  | ppm  | ppm | ppm  | ppm  | %   |          |
|         | MDL        | 0.01 | 0.1 | 0.1  | 0.1 | 1   | 0.1  | 0.1  | 1     | 0.01 | 0.5  | 0.1  | 0.5  | 0.1  | 1    | 0.1 | 0.1  | 0.1  | 2   | 0.01     |
| 53303   | Drill Core | 1.82 | 1.3 | 3.5  | 2.4 | 2   | <0.1 | 15.5 | 63.9  | 31   | 2.20 | 20.0 | 1.5  | 2.4  | 5.7  | 17  | <0.1 | 0.2  | 2.0 | 2 0.07   |
| 53304   | Drill Core | 1.97 | 0.8 | 3.9  | 2.5 | 5   | <0.1 | 19.1 | 91.1  | 33   | 2.46 | 19.3 | 3.3  | 3.3  | 4.0  | 6   | <0.1 | <0.1 | 3.9 | 2 0.07   |
| 53305   | Drill Core | 3.60 | 0.8 | 2.1  | 1.5 | 4   | <0.1 | 16.0 | 58.2  | 22   | 1.44 | 12.4 | 1.6  | 1.6  | 7.8  | 7   | <0.1 | <0.1 | 1.0 | 2 0.05   |
| 53306   | Drill Core | 3.06 | 0.7 | 1.1  | 1.7 | 6   | <0.1 | 12.5 | 45.1  | 22   | 1.58 | 19.2 | 1.7  | 0.9  | 9.8  | 5   | <0.1 | <0.1 | 1.0 | 3 0.05   |
| 53307   | Drill Core | 5.52 | 0.7 | 1.1  | 1.7 | 9   | <0.1 | 21.3 | 63.5  | 36   | 1.80 | 12.7 | 1.4  | 3.2  | 9.3  | 27  | <0.1 | 0.1  | 1.2 | 4 0.14   |
| 53308   | Drill Core | 1.87 | 0.5 | 0.7  | 1.5 | 14  | <0.1 | 10.6 | 15.8  | 67   | 1.56 | 6.5  | 1.2  | 0.8  | 9.8  | 6   | <0.1 | <0.1 | 0.5 | 5 0.03   |
| 53309   | Drill Core | 3.26 | 0.6 | 1.1  | 1.2 | 17  | <0.1 | 12.5 | 15.2  | 91   | 1.94 | 7.2  | 1.9  | <0.5 | 10.7 | 6   | <0.1 | 0.1  | 0.4 | 6 0.03   |
| 53310   | Drill Core | 3.41 | 0.6 | 1.6  | 1.5 | 5   | <0.1 | 17.9 | 72.8  | 25   | 2.14 | 20.8 | 1.6  | 1.0  | 9.2  | 9   | <0.1 | <0.1 | 1.8 | 2 0.04   |
| 53311   | Drill Core | 3.55 | 3.1 | 8.5  | 1.4 | 13  | <0.1 | 16.8 | 43.6  | 58   | 2.18 | 18.3 | 1.6  | 1.1  | 7.6  | 4   | <0.1 | <0.1 | 1.4 | 5 0.05   |
| 53312   | Drill Core | 1.73 | 0.8 | 5.2  | 1.7 | 13  | <0.1 | 13.6 | 37.0  | 61   | 2.71 | 11.7 | 1.2  | 1.4  | 6.0  | 2   | <0.1 | <0.1 | 1.4 | 5 0.03   |
| 53313   | Drill Core | 1.83 | 2.4 | 12.7 | 1.8 | 10  | <0.1 | 24.5 | 40.6  | 60   | 3.69 | 24.5 | 1.3  | 1.6  | 5.6  | 2   | <0.1 | 0.1  | 1.9 | 7 0.02   |
| 53314   | Drill Core | 1.87 | 4.9 | 5.9  | 2.9 | 6   | <0.1 | 20.4 | 54.9  | 33   | 3.22 | 24.8 | 1.5  | 1.9  | 5.9  | 3   | <0.1 | 0.2  | 3.1 | 3 0.04   |
| 53315   | Drill Core | 1.85 | 1.5 | 1.8  | 1.2 | 11  | <0.1 | 10.1 | 28.4  | 48   | 1.95 | 12.0 | 1.6  | 0.7  | 6.8  | 5   | <0.1 | 0.1  | 0.9 | 4 0.02   |
| 53316   | Drill Core | 1.95 | 3.7 | 3.9  | 2.7 | 9   | <0.1 | 16.1 | 40.4  | 42   | 2.44 | 18.0 | 1.3  | 4.0  | 5.4  | 5   | <0.1 | 0.1  | 1.9 | 3 0.04   |
| 53317   | Drill Core | 1.81 | 8.7 | 2.9  | 4.2 | 12  | <0.1 | 19.0 | 39.3  | 44   | 2.68 | 25.1 | 2.5  | 2.8  | 8.4  | 5   | <0.1 | 0.2  | 2.6 | 6 0.08   |
| 53318   | Drill Core | 1.77 | 5.4 | 4.9  | 3.0 | 6   | <0.1 | 14.3 | 48.7  | 29   | 2.82 | 20.3 | 1.2  | 3.5  | 5.4  | 5   | <0.1 | 0.2  | 2.5 | 3 0.03   |
| 53319   | Drill Core | 1.69 | 7.1 | 15.2 | 6.3 | 5   | <0.1 | 19.9 | 76.1  | 23   | 3.96 | 31.1 | 3.5  | 8.9  | 4.6  | 9   | <0.1 | 0.4  | 9.0 | 3 0.05   |
| 53320   | Drill Core | 1.66 | 1.5 | 15.4 | 5.9 | 11  | <0.1 | 24.7 | 98.7  | 55   | 4.16 | 42.6 | 2.4  | 18.6 | 3.2  | 5   | <0.1 | 0.4  | 9.0 | 7 0.03   |
| 53321   | Drill Core | 1.68 | 2.0 | 5.3  | 2.4 | 7   | <0.1 | 15.3 | 55.5  | 70   | 2.83 | 24.5 | 2.0  | 3.8  | 8.1  | 4   | <0.1 | 0.2  | 2.5 | 3 0.04   |
| 53322   | Drill Core | 2.09 | 2.7 | 10.2 | 4.3 | 3   | <0.1 | 23.7 | 103.3 | 44   | 3.70 | 37.6 | 3.6  | 13.7 | 3.9  | 4   | <0.1 | 0.3  | 5.9 | 3 0.02   |
| 53323   | Drill Core | 1.78 | 1.0 | 6.4  | 3.9 | 3   | <0.1 | 37.6 | 200.2 | 55   | 3.57 | 48.0 | 19.7 | 8.6  | 4.5  | 50  | <0.1 | 0.3  | 5.9 | 3 0.36   |
| 53324   | Drill Core | 1.38 | 0.8 | 61.7 | 1.7 | 11  | <0.1 | 7.4  | 19.5  | 40   | 1.77 | 5.9  | 1.3  | 1.9  | 5.1  | 2   | <0.1 | <0.1 | 0.5 | 4 0.01   |
| 53329   | Drill Core | 1.77 | 5.5 | 67.8 | 3.2 | 7   | <0.1 | 23.4 | 44.1  | 72   | 3.78 | 32.0 | 1.4  | 2.6  | 5.1  | 3   | <0.1 | 0.2  | 2.0 | 5 0.04   |
| 53330   | Drill Core | 1.68 | 5.3 | 4.0  | 5.4 | 4   | <0.1 | 19.0 | 55.8  | 23   | 3.35 | 16.3 | 2.8  | 1.5  | 5.6  | 4   | <0.1 | 0.2  | 1.7 | 4 0.05   |
| 53331   | Drill Core | 1.54 | 1.0 | 3.9  | 3.4 | 4   | <0.1 | 16.1 | 64.1  | 20   | 2.96 | 34.5 | 6.3  | 2.2  | 6.1  | 2   | <0.1 | 0.2  | 1.2 | 4 0.03   |
| 53332   | Drill Core | 2.31 | 1.0 | 3.0  | 1.6 | 5   | <0.1 | 12.0 | 61.0  | 30   | 2.34 | 18.6 | 1.7  | 1.1  | 5.3  | 2   | <0.1 | 0.1  | 0.7 | 3 0.02   |
| 53333   | Drill Core | 1.64 | 0.6 | 4.2  | 1.6 | 3   | <0.1 | 17.5 | 81.3  | 24   | 2.63 | 14.3 | 2.4  | 1.3  | 4.1  | 3   | <0.1 | 0.1  | 0.8 | 2 0.02   |
| 53334   | Drill Core | 1.78 | 1.0 | 6.5  | 1.5 | 1   | <0.1 | 19.1 | 83.3  | 23   | 2.89 | 15.9 | 3.2  | 1.3  | 3.7  | 3   | <0.1 | 0.2  | 0.8 | <2 0.02  |
| 53335   | Drill Core | 2.01 | 0.5 | 5.2  | 1.9 | <1  | <0.1 | 22.3 | 72.0  | 18   | 3.39 | 25.7 | 0.6  | 3.1  | 0.8  | 2   | <0.1 | 0.3  | 1.3 | <2 <0.01 |
| 53336   | Drill Core | 2.02 | 0.6 | 4.4  | 1.6 | <1  | <0.1 | 22.8 | 107.9 | 21   | 2.87 | 19.4 | 0.8  | 3.5  | 1.6  | 2   | <0.1 | 0.2  | 0.9 | <2 <0.01 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

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Project:

Z08-1

Report Date:

July 16, 2008

Page:

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Part 2

| Method | 1DX        | 1DX   | 1DX | 1DX  | 1DX   | 1DX   | 1DX    | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX |      |
|--------|------------|-------|-----|------|-------|-------|--------|------|-------|-------|------|------|-------|-----|------|------|-----|------|
|        | Analyte    | P     | La  | Cr   | Mg    | Ba    | Tl     | B    | Al    | Na    | K    | W    | Hg    | Sc  | Tl   | S    | Ga  | Se   |
|        | Unit       | %     | ppm | ppm  | %     | ppm   | %      | ppm  | %     | %     | %    | ppm  | ppm   | ppm | ppm  | %    | ppm | ppm  |
| MDL    | 0.001      | 1     | 1   | 0.01 | 1     | 0.001 | 20     | 0.01 | 0.001 | 0.01  | 0.1  | 0.1  | 0.1   | 0.1 | 0.05 | 1    | 0.5 |      |
| 53303  | Drill Core | 0.034 | 2   | 8    | 0.02  | 23    | <0.001 | <20  | 0.20  | 0.003 | 0.15 | 1.0  | <0.01 | 0.4 | <0.1 | 2.31 | <1  | <0.5 |
| 53304  | Drill Core | 0.034 | 4   | 14   | 0.10  | 16    | <0.001 | <20  | 0.23  | 0.003 | 0.10 | <0.1 | <0.01 | 0.4 | <0.1 | 2.40 | <1  | 0.6  |
| 53305  | Drill Core | 0.023 | 4   | 7    | 0.10  | 22    | <0.001 | <20  | 0.28  | 0.003 | 0.14 | 1.0  | <0.01 | 0.4 | <0.1 | 1.37 | <1  | <0.5 |
| 53306  | Drill Core | 0.025 | 3   | 4    | 0.14  | 27    | <0.001 | <20  | 0.35  | 0.004 | 0.17 | <0.1 | <0.01 | 0.5 | <0.1 | 1.51 | 1   | <0.5 |
| 53307  | Drill Core | 0.074 | 5   | 7    | 0.27  | 36    | 0.001  | <20  | 0.60  | 0.005 | 0.19 | 0.4  | <0.01 | 0.7 | <0.1 | 1.57 | 2   | <0.5 |
| 53308  | Drill Core | 0.014 | 6   | 8    | 0.67  | 22    | 0.001  | <20  | 0.94  | 0.003 | 0.13 | <0.1 | <0.01 | 1.0 | <0.1 | 0.83 | 3   | <0.5 |
| 53309  | Drill Core | 0.017 | 14  | 14   | 0.89  | 31    | 0.002  | <20  | 1.26  | 0.004 | 0.19 | 0.3  | <0.01 | 1.4 | <0.1 | 0.67 | 3   | <0.5 |
| 53310  | Drill Core | 0.021 | 4   | 6    | 0.18  | 18    | <0.001 | <20  | 0.33  | 0.003 | 0.12 | <0.1 | <0.01 | 0.5 | <0.1 | 2.06 | <1  | <0.5 |
| 53311  | Drill Core | 0.023 | 5   | 8    | 0.46  | 22    | 0.001  | <20  | 0.77  | 0.003 | 0.13 | 0.3  | <0.01 | 0.9 | <0.1 | 1.51 | 2   | <0.5 |
| 53312  | Drill Core | 0.012 | 4   | 8    | 0.52  | 18    | 0.001  | <20  | 0.85  | 0.003 | 0.12 | <0.1 | <0.01 | 1.1 | <0.1 | 2.05 | 2   | 1.0  |
| 53313  | Drill Core | 0.010 | 2   | 10   | 0.46  | 11    | <0.001 | <20  | 0.73  | 0.002 | 0.08 | 0.6  | <0.01 | 1.1 | <0.1 | 3.27 | 2   | 1.5  |
| 53314  | Drill Core | 0.017 | 4   | 7    | 0.19  | 17    | <0.001 | <20  | 0.37  | 0.002 | 0.11 | <0.1 | <0.01 | 0.5 | <0.1 | 3.27 | 1   | 1.1  |
| 53315  | Drill Core | 0.011 | 5   | 8    | 0.35  | 20    | <0.001 | <20  | 0.62  | 0.003 | 0.13 | 0.4  | <0.01 | 0.7 | <0.1 | 1.42 | 2   | <0.5 |
| 53316  | Drill Core | 0.018 | 4   | 11   | 0.28  | 15    | <0.001 | <20  | 0.43  | 0.005 | 0.10 | <0.1 | <0.01 | 0.6 | <0.1 | 2.14 | 1   | 0.8  |
| 53317  | Drill Core | 0.037 | 7   | 9    | 0.36  | 29    | 0.001  | <20  | 0.71  | 0.006 | 0.19 | <0.1 | <0.01 | 0.9 | <0.1 | 2.31 | 2   | <0.5 |
| 53318  | Drill Core | 0.015 | 5   | 6    | 0.17  | 18    | <0.001 | <20  | 0.34  | 0.003 | 0.12 | <0.1 | <0.01 | 0.4 | <0.1 | 2.82 | 1   | 0.7  |
| 53319  | Drill Core | 0.021 | 11  | 7    | 0.13  | 16    | <0.001 | <20  | 0.26  | 0.003 | 0.11 | <0.1 | <0.01 | 0.5 | <0.1 | 4.30 | 1   | 1.3  |
| 53320  | Drill Core | 0.018 | 9   | 11   | 0.28  | 14    | 0.001  | <20  | 0.43  | 0.002 | 0.10 | <0.1 | <0.01 | 0.7 | <0.1 | 4.14 | 1   | 1.0  |
| 53321  | Drill Core | 0.017 | 8   | 8    | 0.18  | 22    | <0.001 | <20  | 0.37  | 0.005 | 0.15 | <0.1 | <0.01 | 0.6 | <0.1 | 2.67 | 1   | <0.5 |
| 53322  | Drill Core | 0.009 | 9   | 7    | 0.06  | 16    | <0.001 | <20  | 0.20  | 0.004 | 0.12 | <0.1 | <0.01 | 0.3 | <0.1 | 3.95 | <1  | 1.4  |
| 53323  | Drill Core | 0.169 | 17  | 9    | 0.08  | 23    | 0.002  | <20  | 0.28  | 0.005 | 0.13 | <0.1 | <0.01 | 0.6 | <0.1 | 3.77 | 1   | 1.1  |
| 53328  | Drill Core | 0.005 | 3   | 9    | 0.60  | 8     | <0.001 | <20  | 0.70  | 0.005 | 0.08 | <0.1 | <0.01 | 0.5 | <0.1 | 1.31 | 2   | 0.5  |
| 53329  | Drill Core | 0.019 | 3   | 10   | 0.45  | 12    | <0.001 | <20  | 0.63  | 0.004 | 0.10 | <0.1 | <0.01 | 0.6 | <0.1 | 3.66 | 2   | 1.6  |
| 53330  | Drill Core | 0.022 | 7   | 8    | 0.30  | 15    | <0.001 | <20  | 0.40  | 0.005 | 0.12 | <0.1 | <0.01 | 0.5 | <0.1 | 3.67 | 1   | 1.1  |
| 53331  | Drill Core | 0.015 | 2   | 7    | 0.34  | 11    | <0.001 | <20  | 0.40  | 0.004 | 0.10 | <0.1 | <0.01 | 0.5 | <0.1 | 3.30 | 1   | 1.5  |
| 53332  | Drill Core | 0.009 | 3   | 7    | 0.43  | 9     | <0.001 | <20  | 0.52  | 0.004 | 0.09 | <0.1 | <0.01 | 0.5 | <0.1 | 2.31 | 1   | 0.7  |
| 53333  | Drill Core | 0.007 | 4   | 7    | 0.21  | 9     | <0.001 | <20  | 0.30  | 0.005 | 0.09 | <0.1 | <0.01 | 0.3 | <0.1 | 2.78 | 1   | 1.0  |
| 53334  | Drill Core | 0.010 | 4   | 8    | 0.03  | 8     | <0.001 | <20  | 0.14  | 0.006 | 0.08 | <0.1 | <0.01 | 0.2 | <0.1 | 3.20 | <1  | 1.4  |
| 53335  | Drill Core | 0.002 | 2   | 8    | <0.01 | 4     | <0.001 | <20  | 0.05  | 0.003 | 0.03 | <0.1 | <0.01 | 0.1 | <0.1 | 3.83 | <1  | 1.8  |
| 53336  | Drill Core | 0.004 | 7   | 11   | <0.01 | 6     | <0.001 | <20  | 0.08  | 0.004 | 0.06 | <0.1 | <0.01 | 0.1 | <0.1 | 3.36 | <1  | 0.8  |

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Calgary AB T2R 1H6 Canada

Project:

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Report Date:

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Part 1

| Method | Analyte    | Unit | WGHT | 1DX | 1DX  | 1DX | 1DX | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX  | 1DX   | 1DX  | 1DX | 1DX  | 1DX  | 1DX |     |       |
|--------|------------|------|------|-----|------|-----|-----|------|------|-------|-----|------|------|------|-------|------|-----|------|------|-----|-----|-------|
|        |            |      | Wgt  | Mo  | Cu   | Pb  | Zn  | Ag   | Ni   | Co    | Mn  | Fe   | As   | U    | Au    | Th   | Sr  | Cd   | Sb   | Bi  | V   |       |
|        |            |      | kg   | ppm | ppm  | ppm | ppm | ppm  | ppm  | ppm   | ppm | %    | ppm  | ppm  | ppb   | ppm  | ppm | ppm  | ppm  | ppm | ppm |       |
| MDL    |            |      | 0.01 | 0.1 | 0.1  | 0.1 | 1   | 0.1  | 0.1  | 0.1   | 1   | 0.01 | 0.5  | 0.1  | 0.5   | 0.1  | 1   | 0.1  | 0.1  | 0.1 | 2   | 0.01  |
| 53337  | Drill Core |      | 1.84 | 0.5 | 4.7  | 3.5 | <1  | <0.1 | 21.0 | 104.6 | 19  | 4.30 | 51.6 | 1.7  | 5.9   | 0.3  | 2   | <0.1 | 0.2  | 1.4 | <2  | <0.01 |
| 53338  | Drill Core |      | 2.01 | 0.9 | 3.4  | 2.1 | <1  | <0.1 | 23.1 | 128.0 | 19  | 3.19 | 23.3 | 4.5  | 5.1   | 1.3  | 5   | <0.1 | 0.2  | 1.3 | <2  | 0.01  |
| 53339  | Drill Core |      | 1.75 | 1.0 | 3.9  | 2.5 | <1  | <0.1 | 46.9 | 242.7 | 20  | 4.59 | 27.6 | 15.4 | 8.3   | 1.3  | 3   | <0.1 | 0.6  | 1.5 | <2  | <0.01 |
| 53340  | Drill Core |      | 2.07 | 0.9 | 4.3  | 2.7 | 259 | <0.1 | 45.1 | 211.7 | 21  | 4.86 | 50.2 | 6.7  | 7.3   | 1.8  | 4   | <0.1 | 0.3  | 2.2 | <2  | 0.02  |
| 53341  | Drill Core |      | 1.89 | 0.5 | 2.0  | 1.9 | 1   | <0.1 | 20.7 | 123.3 | 20  | 3.91 | 18.5 | 4.8  | 1.6   | 2.7  | 3   | <0.1 | 0.2  | 1.1 | <2  | 0.01  |
| 53342  | Drill Core |      | 1.76 | 0.7 | 1.5  | 1.3 | 1   | <0.1 | 22.6 | 116.2 | 14  | 2.40 | 20.1 | 8.3  | 1.5   | 3.3  | 3   | <0.1 | 0.1  | 0.8 | <2  | 0.02  |
| 53343  | Drill Core |      | 2.34 | 1.1 | 1.9  | 1.8 | <1  | <0.1 | 24.3 | 116.2 | 15  | 3.08 | 19.1 | 3.6  | 2.9   | 3.4  | 4   | <0.1 | 0.2  | 1.0 | 2   | 0.10  |
| 53344  | Drill Core |      | 2.44 | 1.1 | 2.1  | 2.1 | <1  | <0.1 | 36.9 | 197.5 | 15  | 4.25 | 39.2 | 10.8 | 4.8   | 3.2  | 8   | <0.1 | 0.3  | 1.9 | <2  | 0.04  |
| 53345  | Drill Core |      | 2.31 | 1.2 | 5.0  | 2.5 | <1  | <0.1 | 38.0 | 182.6 | 18  | 4.80 | 63.4 | 13.2 | 8.9   | 3.4  | 5   | <0.1 | 0.3  | 2.7 | <2  | 0.03  |
| 53346  | Drill Core |      | 1.87 | 1.1 | 2.6  | 2.3 | <1  | <0.1 | 31.5 | 184.0 | 16  | 3.76 | 30.0 | 10.2 | 6.2   | 5.9  | 5   | <0.1 | 0.2  | 2.6 | <2  | 0.03  |
| 53347  | Drill Core |      | 1.81 | 0.7 | 2.4  | 1.9 | <1  | <0.1 | 17.1 | 118.5 | 18  | 2.72 | 16.2 | 3.4  | 4.9   | 3.2  | 4   | <0.1 | <0.1 | 1.3 | <2  | 0.01  |
| 53348  | Drill Core |      | 2.58 | 1.3 | 1.6  | 2.3 | <1  | <0.1 | 12.3 | 56.9  | 15  | 2.20 | 22.8 | 4.2  | 8.4   | 6.6  | 4   | <0.1 | 0.2  | 1.1 | <2  | 0.03  |
| 53349  | Drill Core |      | 2.40 | 1.8 | 4.9  | 2.6 | 2   | <0.1 | 28.5 | 177.6 | 19  | 5.82 | 28.2 | 2.3  | 12.7  | 3.1  | 2   | <0.1 | 0.6  | 2.1 | <2  | <0.01 |
| 53350  | Drill Core |      | 2.23 | 2.0 | 3.7  | 3.0 | 4   | <0.1 | 20.6 | 94.9  | 16  | 5.20 | 39.4 | 2.3  | 1.8   | 6.6  | 3   | <0.1 | 0.2  | 2.4 | <2  | 0.02  |
| 53351  | Drill Core |      | 2.41 | 1.0 | 5.4  | 6.0 | 1   | <0.1 | 22.0 | 132.0 | 19  | 4.00 | 39.7 | 2.3  | 10.5  | 6.8  | 2   | <0.1 | 0.6  | 2.9 | <2  | 0.01  |
| 53352  | Drill Core |      | 2.30 | 0.6 | 2.4  | 1.7 | 1   | <0.1 | 8.0  | 27.4  | 112 | 1.43 | 9.1  | 1.4  | 8.2   | 6.9  | 2   | <0.1 | <0.1 | 0.7 | 3   | 0.01  |
| 53353  | Drill Core |      | 1.98 | 0.4 | 1.2  | 0.8 | 7   | <0.1 | 6.5  | 10.9  | 324 | 2.05 | 9.3  | 1.3  | <0.5  | 8.3  | 3   | <0.1 | <0.1 | 0.3 | 3   | 0.03  |
| 53354  | Drill Core |      | 1.78 | 0.5 | 1.3  | 1.2 | 3   | <0.1 | 3.8  | 5.3   | 217 | 1.45 | 6.6  | 1.0  | 7.3   | 11.4 | 3   | <0.1 | <0.1 | 0.3 | <2  | 0.03  |
| 53355  | Drill Core |      | 1.81 | 0.4 | 1.7  | 2.0 | 3   | <0.1 | 19.7 | 100.0 | 178 | 2.42 | 16.7 | 3.0  | 8.4   | 6.5  | 6   | <0.1 | 0.1  | 1.3 | <2  | 0.03  |
| 53356  | Drill Core |      | 1.49 | 1.1 | 12.1 | 2.8 | 1   | <0.1 | 19.2 | 81.7  | 62  | 3.33 | 36.1 | 5.7  | 4.5   | 10.1 | 6   | <0.1 | 0.1  | 1.8 | <2  | 0.04  |
| 53357  | Drill Core |      | 1.96 | 1.4 | 2.2  | 4.4 | 3   | <0.1 | 19.1 | 71.9  | 72  | 2.42 | 28.5 | 8.0  | 4.7   | 14.5 | 6   | <0.1 | 0.1  | 1.3 | 2   | 0.07  |
| 53358  | Drill Core |      | 2.32 | 0.7 | 4.6  | 2.0 | 2   | <0.1 | 14.4 | 31.0  | 295 | 2.31 | 27.7 | 2.0  | 3.4   | 11.8 | 5   | <0.1 | 0.1  | 0.7 | 2   | 0.08  |
| 53359  | Drill Core |      | 1.95 | 1.0 | 3.7  | 4.0 | <1  | <0.1 | 26.0 | 101.8 | 126 | 2.80 | 43.2 | 5.4  | 6.5   | 10.6 | 14  | <0.1 | 0.2  | 2.1 | 2   | 0.12  |
| 53360  | Drill Core |      | 1.62 | 0.8 | 2.5  | 2.4 | <1  | <0.1 | 16.8 | 63.1  | 43  | 1.87 | 27.3 | 2.2  | 102.9 | 8.0  | 7   | <0.1 | <0.1 | 1.2 | <2  | 0.07  |
| 53361  | Drill Core |      | 1.82 | 0.9 | 3.0  | 2.1 | <1  | <0.1 | 20.3 | 88.1  | 20  | 2.57 | 28.0 | 4.4  | 7.8   | 4.7  | 6   | <0.1 | <0.1 | 1.1 | <2  | 0.07  |
| 53362  | Drill Core |      | 1.88 | 0.6 | 2.9  | 3.2 | <1  | <0.1 | 22.1 | 97.1  | 23  | 1.93 | 23.8 | 1.7  | 4.5   | 4.5  | 9   | <0.1 | 0.1  | 1.0 | <2  | 0.07  |
| 53363  | Drill Core |      | 1.71 | 1.0 | 2.3  | 2.3 | <1  | <0.1 | 17.7 | 65.2  | 27  | 1.93 | 40.2 | 2.1  | 13.8  | 5.5  | 8   | <0.1 | <0.1 | 0.8 | <2  | 0.13  |
| 53364  | Drill Core |      | 2.07 | 1.2 | 3.4  | 3.2 | 1   | <0.1 | 21.9 | 87.2  | 42  | 2.60 | 44.0 | 7.9  | 10.2  | 8.9  | 8   | <0.1 | 0.1  | 1.0 | <2  | 0.11  |
| 53365  | Drill Core |      | 1.90 | 1.0 | 1.3  | 1.9 | <1  | <0.1 | 10.9 | 38.9  | 43  | 1.44 | 18.9 | 6.1  | 8.8   | 7.9  | 6   | <0.1 | <0.1 | 0.5 | <2  | 0.07  |
| 53366  | Drill Core |      | 1.83 | 1.3 | 4.3  | 5.4 | 2   | <0.1 | 26.0 | 90.8  | 50  | 2.92 | 58.1 | 5.1  | 13.5  | 10.4 | 10  | <0.1 | 0.2  | 2.2 | <2  | 0.10  |

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Report Date:

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Part 2

| Analyte | Method     | 1DX   |       |     |       |      |        |       |      |       |       |      |       |      |      |      |     |      |  |
|---------|------------|-------|-------|-----|-------|------|--------|-------|------|-------|-------|------|-------|------|------|------|-----|------|--|
|         |            | P     | La    | Cr  | Mg    | Ba   | Tl     | B     | Al   | Na    | K     | W    | Hg    | Sc   | Tl   | S    | Ga  | Se   |  |
|         |            | %     | ppm   | ppm | %     | ppm  | %      | ppm   | %    | %     | %     | ppm  | ppm   | ppm  | ppm  | %    | ppm | ppm  |  |
|         |            | MDL   | 0.001 | 1   | 1     | 0.01 | 1      | 0.001 | 20   | 0.01  | 0.001 | 0.01 | 0.1   | 0.1  | 0.1  | 0.05 | 1   | 0.5  |  |
| 53337   | Drill Core | 0.005 | 8     | 9   | <0.01 | 2    | <0.001 | <20   | 0.03 | 0.004 | 0.02  | <0.1 | <0.01 | <0.1 | <0.1 | 4.98 | <1  | 2.0  |  |
| 53338   | Drill Core | 0.007 | 19    | 11  | <0.01 | 6    | <0.001 | <20   | 0.08 | 0.005 | 0.06  | <0.1 | <0.01 | 0.1  | <0.1 | 3.60 | <1  | 1.1  |  |
| 53339   | Drill Core | 0.005 | 11    | 8   | <0.01 | 4    | <0.001 | <20   | 0.07 | 0.004 | 0.05  | 0.1  | <0.01 | 0.3  | <0.1 | 5.14 | <1  | 1.2  |  |
| 53340   | Drill Core | 0.011 | 23    | 11  | <0.01 | 5    | <0.001 | <20   | 0.09 | 0.004 | 0.06  | <0.1 | <0.01 | 0.2  | <0.1 | 5.37 | <1  | 2.7  |  |
| 53341   | Drill Core | 0.005 | 4     | 8   | <0.01 | 5    | <0.001 | <20   | 0.08 | 0.004 | 0.06  | <0.1 | <0.01 | 0.2  | <0.1 | 4.37 | <1  | 1.5  |  |
| 53342   | Drill Core | 0.009 | 5     | 7   | <0.01 | 9    | <0.001 | <20   | 0.12 | 0.005 | 0.08  | <0.1 | <0.01 | 0.2  | <0.1 | 2.64 | <1  | 0.7  |  |
| 53343   | Drill Core | 0.046 | 4     | 7   | <0.01 | 11   | <0.001 | <20   | 0.16 | 0.005 | 0.11  | <0.1 | <0.01 | 0.3  | <0.1 | 3.38 | <1  | 1.5  |  |
| 53344   | Drill Core | 0.018 | 23    | 7   | <0.01 | 11   | <0.001 | <20   | 0.13 | 0.005 | 0.09  | <0.1 | <0.01 | 0.3  | <0.1 | 4.87 | <1  | 1.4  |  |
| 53345   | Drill Core | 0.017 | 18    | 7   | <0.01 | 11   | <0.001 | <20   | 0.12 | 0.004 | 0.09  | <0.1 | <0.01 | 0.3  | <0.1 | 5.57 | <1  | 2.6  |  |
| 53346   | Drill Core | 0.012 | 17    | 5   | <0.01 | 14   | <0.001 | <20   | 0.15 | 0.005 | 0.12  | <0.1 | <0.01 | 0.3  | <0.1 | 4.28 | <1  | 1.6  |  |
| 53347   | Drill Core | 0.006 | 11    | 6   | <0.01 | 9    | <0.001 | <20   | 0.10 | 0.004 | 0.08  | <0.1 | <0.01 | 0.2  | <0.1 | 3.06 | <1  | 0.9  |  |
| 53348   | Drill Core | 0.012 | 9     | 6   | 0.01  | 15   | <0.001 | <20   | 0.18 | 0.005 | 0.13  | <0.1 | <0.01 | 0.4  | <0.1 | 2.39 | <1  | 0.8  |  |
| 53349   | Drill Core | 0.003 | 7     | 9   | <0.01 | 8    | <0.001 | <20   | 0.08 | 0.002 | 0.06  | 0.1  | <0.01 | 0.2  | <0.1 | 6.60 | <1  | 2.0  |  |
| 53350   | Drill Core | 0.009 | 2     | 8   | 0.01  | 16   | <0.001 | <20   | 0.17 | 0.005 | 0.12  | <0.1 | <0.01 | 0.4  | <0.1 | 5.98 | <1  | 2.0  |  |
| 53351   | Drill Core | 0.005 | 3     | 6   | <0.01 | 13   | <0.001 | <20   | 0.12 | 0.004 | 0.09  | <0.1 | <0.01 | 0.3  | <0.1 | 4.61 | <1  | 1.9  |  |
| 53352   | Drill Core | 0.005 | 6     | 7   | 0.01  | 12   | <0.001 | <20   | 0.13 | 0.004 | 0.10  | 0.1  | <0.01 | 0.6  | <0.1 | 1.01 | <1  | <0.5 |  |
| 53353   | Drill Core | 0.008 | 7     | 5   | 0.03  | 11   | <0.001 | <20   | 0.16 | 0.004 | 0.11  | <0.1 | <0.01 | 1.1  | <0.1 | 0.54 | <1  | <0.5 |  |
| 53354   | Drill Core | 0.007 | 8     | 6   | 0.02  | 12   | <0.001 | <20   | 0.15 | 0.004 | 0.12  | <0.1 | <0.01 | 0.5  | <0.1 | 0.37 | <1  | <0.5 |  |
| 53355   | Drill Core | 0.004 | 14    | 7   | 0.02  | 6    | <0.001 | <20   | 0.07 | 0.003 | 0.05  | <0.1 | <0.01 | 0.5  | <0.1 | 1.59 | <1  | 0.8  |  |
| 53356   | Drill Core | 0.011 | 5     | 6   | 0.01  | 11   | <0.001 | <20   | 0.13 | 0.004 | 0.10  | 0.4  | <0.01 | 0.3  | <0.1 | 3.56 | <1  | 1.1  |  |
| 53357   | Drill Core | 0.026 | 4     | 5   | 0.01  | 14   | <0.001 | <20   | 0.18 | 0.004 | 0.13  | <0.1 | <0.01 | 0.6  | <0.1 | 2.27 | <1  | 0.6  |  |
| 53358   | Drill Core | 0.026 | 3     | 5   | 0.07  | 23   | <0.001 | <20   | 0.22 | 0.005 | 0.17  | 0.2  | <0.01 | 1.3  | <0.1 | 1.21 | <1  | <0.5 |  |
| 53359   | Drill Core | 0.052 | 6     | 4   | 0.01  | 20   | <0.001 | <20   | 0.22 | 0.004 | 0.16  | <0.1 | <0.01 | 0.9  | <0.1 | 2.60 | <1  | 0.7  |  |
| 53360   | Drill Core | 0.031 | 3     | 6   | 0.02  | 13   | <0.001 | <20   | 0.15 | 0.004 | 0.11  | 0.3  | <0.01 | 0.4  | <0.1 | 1.92 | <1  | 0.8  |  |
| 53361   | Drill Core | 0.036 | 3     | 6   | <0.01 | 12   | <0.001 | <20   | 0.14 | 0.004 | 0.09  | <0.1 | <0.01 | 0.2  | <0.1 | 2.74 | <1  | 0.9  |  |
| 53362   | Drill Core | 0.035 | 9     | 9   | <0.01 | 12   | <0.001 | <20   | 0.13 | 0.003 | 0.09  | 0.2  | <0.01 | 0.3  | <0.1 | 2.04 | <1  | 0.9  |  |
| 53363   | Drill Core | 0.061 | 3     | 6   | <0.01 | 17   | <0.001 | <20   | 0.18 | 0.005 | 0.12  | <0.1 | <0.01 | 0.4  | <0.1 | 2.01 | <1  | <0.5 |  |
| 53364   | Drill Core | 0.054 | 5     | 5   | <0.01 | 22   | <0.001 | <20   | 0.21 | 0.005 | 0.15  | <0.1 | <0.01 | 0.4  | <0.1 | 2.75 | <1  | 1.1  |  |
| 53365   | Drill Core | 0.034 | 6     | 5   | 0.02  | 22   | <0.001 | <20   | 0.21 | 0.005 | 0.16  | <0.1 | <0.01 | 0.5  | <0.1 | 1.40 | <1  | <0.5 |  |
| 53366   | Drill Core | 0.050 | 9     | 4   | 0.04  | 26   | <0.001 | <20   | 0.22 | 0.006 | 0.17  | <0.1 | <0.01 | 0.6  | <0.1 | 3.12 | <1  | 1.0  |  |

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Project:

Z08-1

Report Date:

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Part 1

| Analyte | Method     | WGHT | 1DX | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  | 1DX |       |
|---------|------------|------|-----|------|------|-----|------|------|-------|-----|------|------|-----|------|------|-----|------|------|------|-----|-------|
|         | Unit       | Wgt  | Mo  | Cu   | Pb   | Zn  | Ag   | Ni   | Co    | Mn  | Fe   | As   | U   | Au   | Th   | Sr  | Cd   | Sb   | Bi   | V   | Ca    |
|         | Unit       | kg   | ppm | ppm  | ppm  | ppm | ppm  | ppm  | ppm   | ppm | %    | ppm  | ppm | ppb  | ppm  | ppm | ppm  | ppm  | ppm  | ppm | %     |
|         | MDL        | 0.01 | 0.1 | 0.1  | 0.1  | 1   | 0.1  | 0.1  | 0.1   | 1   | 0.01 | 0.6  | 0.1 | 0.6  | 0.1  | 1   | 0.1  | 0.1  | 0.1  | 2   | 0.01  |
| 53367   | Drill Core | 2.11 | 0.5 | 2.0  | 3.3  | 4   | <0.1 | 11.8 | 30.7  | 197 | 1.81 | 16.4 | 1.7 | 11.1 | 9.9  | 7   | <0.1 | 0.1  | 0.6  | <2  | 0.05  |
| 53368   | Drill Core | 1.65 | 0.6 | 1.1  | 1.8  | 1   | <0.1 | 7.4  | 28.0  | 89  | 1.30 | 10.9 | 2.1 | <0.5 | 11.0 | 4   | <0.1 | <0.1 | 0.5  | <2  | 0.04  |
| 53369   | Drill Core | 1.94 | 0.8 | 1.4  | 2.0  | 24  | <0.1 | 8.8  | 27.1  | 166 | 2.36 | 9.5  | 2.3 | 0.6  | 10.1 | 8   | <0.1 | <0.1 | 0.5  | 5   | 0.05  |
| 53370   | Drill Core | 1.79 | 1.8 | 1.6  | 6.7  | 8   | <0.1 | 13.4 | 54.9  | 90  | 2.35 | 13.8 | 3.1 | 1.7  | 8.9  | 5   | <0.1 | 0.1  | 1.2  | <2  | 0.03  |
| 53371   | Drill Core | 2.06 | 0.9 | 1.7  | 2.0  | 8   | <0.1 | 15.4 | 62.3  | 69  | 2.07 | 12.7 | 6.6 | <0.5 | 11.5 | 5   | <0.1 | <0.1 | 0.9  | 3   | 0.04  |
| 53372   | Drill Core | 2.02 | 1.6 | 1.8  | 3.3  | 7   | <0.1 | 18.0 | 65.0  | 60  | 2.79 | 21.9 | 2.2 | 0.9  | 11.3 | 6   | <0.1 | 0.2  | 2.2  | 3   | 0.08  |
| 53373   | Drill Core | 1.91 | 1.5 | 2.1  | 2.9  | 8   | <0.1 | 24.5 | 122.3 | 53  | 2.92 | 14.7 | 4.3 | 0.8  | 7.6  | 4   | <0.1 | 0.1  | 1.4  | 3   | 0.04  |
| 53374   | Drill Core | 2.00 | 1.3 | 2.5  | 1.9  | 5   | <0.1 | 18.8 | 77.0  | 77  | 2.48 | 22.1 | 4.4 | 1.4  | 8.1  | 4   | <0.1 | 0.1  | 1.5  | <2  | 0.06  |
| 53375   | Drill Core | 1.94 | 1.7 | 2.9  | 2.7  | 5   | <0.1 | 14.2 | 68.5  | 43  | 2.68 | 15.7 | 2.3 | <0.5 | 8.4  | 3   | <0.1 | <0.1 | 1.2  | 3   | 0.04  |
| 53376   | Drill Core | 2.03 | 1.2 | 1.4  | 1.4  | 6   | <0.1 | 8.8  | 36.6  | 37  | 1.74 | 10.8 | 1.6 | <0.5 | 9.4  | 3   | <0.1 | <0.1 | 0.6  | 3   | 0.05  |
| 53377   | Drill Core | 2.19 | 0.9 | 1.8  | 1.2  | 2   | <0.1 | 10.3 | 50.3  | 34  | 1.92 | 17.4 | 1.3 | <0.5 | 6.4  | 3   | <0.1 | <0.1 | 0.7  | <2  | 0.04  |
| 53378   | Drill Core | 1.51 | 0.8 | 2.0  | 2.0  | 2   | <0.1 | 13.3 | 69.1  | 35  | 1.83 | 29.8 | 7.0 | 1.2  | 9.3  | 6   | <0.1 | 0.2  | 1.2  | <2  | 0.05  |
| 53379   | Drill Core | 1.83 | 3.4 | 3.2  | 2.4  | <1  | <0.1 | 10.7 | 113.0 | 20  | 4.22 | 26.7 | 0.7 | 3.0  | 4.5  | 7   | <0.1 | 0.2  | 2.1  | <2  | 0.02  |
| 53380   | Drill Core | 2.22 | 1.1 | 5.4  | 3.9  | <1  | <0.1 | 16.5 | 104.9 | 17  | 4.51 | 81.3 | 1.7 | 5.0  | 3.2  | 3   | <0.1 | 0.3  | 2.6  | <2  | 0.02  |
| 53381   | Drill Core | 1.80 | 1.3 | 4.4  | 2.4  | <1  | <0.1 | 12.7 | 87.3  | 18  | 3.45 | 46.1 | 3.6 | 3.8  | 2.4  | 14  | <0.1 | 0.2  | 1.8  | <2  | 0.04  |
| 53382   | Drill Core | 2.13 | 1.0 | 11.1 | 4.4  | <1  | <0.1 | 22.2 | 148.4 | 18  | 5.10 | 72.3 | 5.2 | 9.4  | 1.1  | 4   | <0.1 | 0.5  | 3.7  | <2  | 0.02  |
| 53383   | Drill Core | 1.82 | 1.0 | 16.2 | 4.6  | <1  | 0.1  | 59.5 | 343.0 | 19  | 5.99 | 68.8 | 5.6 | 16.3 | 0.5  | 4   | <0.1 | 0.4  | 7.2  | <2  | 0.02  |
| 53384   | Drill Core | 1.76 | 0.8 | 14.3 | 8.2  | <1  | 0.2  | 48.0 | 300.1 | 23  | 4.17 | 55.0 | 8.0 | 23.4 | 0.8  | 22  | <0.1 | 0.4  | 12.0 | <2  | 0.14  |
| 53385   | Drill Core | 1.83 | 0.8 | 9.0  | 5.4  | <1  | 0.1  | 29.8 | 178.6 | 19  | 3.26 | 47.0 | 7.9 | 15.5 | 1.2  | 28  | <0.1 | 0.3  | 7.9  | <2  | 0.31  |
| 53386   | Drill Core | 1.80 | 1.1 | 18.9 | 13.1 | 1   | 0.5  | 76.2 | 380.3 | 23  | 5.78 | 90.8 | 5.3 | 30.4 | 1.0  | 30  | <0.1 | 0.4  | 12.9 | <2  | 0.29  |
| 53387   | Drill Core | 2.21 | 0.5 | 5.5  | 3.6  | <1  | 0.1  | 21.6 | 123.3 | 19  | 2.23 | 32.9 | 2.9 | 7.8  | 2.0  | 14  | <0.1 | 0.2  | 4.0  | <2  | 0.09  |
| 53388   | Drill Core | 1.62 | 1.0 | 7.5  | 4.5  | <1  | 0.1  | 25.1 | 144.5 | 20  | 2.90 | 33.1 | 8.0 | 8.6  | 2.0  | 6   | <0.1 | 0.2  | 3.5  | <2  | 0.08  |
| 53389   | Drill Core | 1.89 | 0.8 | 4.7  | 4.2  | <1  | 0.1  | 24.6 | 162.0 | 18  | 2.79 | 32.1 | 7.5 | 9.3  | 1.2  | 9   | <0.1 | 0.2  | 4.1  | <2  | 0.11  |
| 53390   | Drill Core | 1.48 | 1.9 | 72.1 | 8.4  | 3   | 4.4  | 22.0 | 147.3 | 48  | 3.23 | 52.7 | 5.3 | 32.1 | 3.2  | 5   | <0.1 | 0.2  | 4.4  | <2  | 0.04  |
| 53391   | Drill Core | 1.74 | 1.4 | 11.1 | 9.0  | <1  | 0.2  | 22.8 | 119.2 | 25  | 2.56 | 38.3 | 3.4 | 8.8  | 2.9  | 6   | <0.1 | 0.2  | 3.8  | <2  | 0.04  |
| 53392   | Drill Core | 2.07 | 1.1 | 13.4 | 7.2  | 1   | 0.2  | 13.3 | 80.2  | 24  | 2.68 | 51.6 | 0.8 | 5.7  | 3.9  | 19  | <0.1 | 0.1  | 2.5  | <2  | 0.06  |
| 53393   | Drill Core | 1.82 | 0.6 | 21.7 | 10.7 | <1  | 0.2  | 7.2  | 75.0  | 27  | 1.95 | 27.3 | 0.3 | 21.8 | 0.5  | 9   | <0.1 | 0.1  | 2.7  | <2  | <0.01 |
| 53394   | Drill Core | 1.69 | 0.5 | 21.5 | 4.2  | 1   | 0.1  | 5.0  | 43.0  | 44  | 1.33 | 18.7 | 0.2 | 7.5  | 0.8  | 5   | <0.1 | 0.1  | 1.6  | <2  | <0.01 |
| 53395   | Drill Core | 1.84 | 0.8 | 23.8 | 3.6  | 2   | <0.1 | 5.8  | 33.4  | 128 | 1.33 | 18.5 | 0.6 | 6.1  | 2.4  | 6   | <0.1 | 0.1  | 1.3  | <2  | 0.02  |
| 53396   | Drill Core | 2.23 | 0.5 | 31.4 | 12.9 | 3   | 0.2  | 4.1  | 44.5  | 183 | 1.47 | 14.8 | 0.2 | 6.8  | 1.0  | 6   | <0.1 | <0.1 | 1.2  | 3   | 0.02  |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

# AcmeLabs

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Calgary AB T2R 1H6 Canada

Project: Z08-1  
Report Date: July 16, 2008

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| Method | Analyte    | 1DX   | 1DX | 1DX | 1DX   | 1DX | 1DX    | 1DX | 1DX  | 1DX   | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  | 1DX  |     |      |
|--------|------------|-------|-----|-----|-------|-----|--------|-----|------|-------|------|------|-------|------|------|------|-----|------|
|        |            | P     | La  | Cr  | Mg    | Ba  | Tl     | B   | Al   | Na    | K    | W    | Hg    | Sc   | Tl   | S    | Ga  | Se   |
|        |            | Unit  | %   | ppm | ppm   | %   | ppm    | %   | ppm  | %     | %    | ppm  | ppm   | ppm  | %    | ppm  | ppm |      |
| MDL    |            | 0.001 | 1   | 1   | 0.01  | 1   | 0.001  | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.01  | 0.1  | 0.1  | 0.05 | 1   | 0.5  |
| 53367  | Drill Core | 0.021 | 10  | 4   | 0.38  | 23  | <0.001 | <20 | 0.23 | 0.007 | 0.18 | <0.1 | <0.01 | 0.6  | <0.1 | 0.98 | <1  | <0.5 |
| 53368  | Drill Core | 0.020 | 3   | 4   | 0.21  | 15  | <0.001 | <20 | 0.18 | 0.004 | 0.13 | <0.1 | <0.01 | 0.4  | <0.1 | 0.95 | <1  | <0.5 |
| 53369  | Drill Core | 0.019 | 10  | 6   | 0.82  | 17  | <0.001 | <20 | 0.63 | 0.005 | 0.13 | <0.1 | <0.01 | 2.0  | <0.1 | 1.05 | 2   | 0.6  |
| 53370  | Drill Core | 0.011 | 5   | 4   | 0.33  | 13  | <0.001 | <20 | 0.20 | 0.004 | 0.11 | <0.1 | <0.01 | 0.6  | <0.1 | 1.90 | <1  | 0.6  |
| 53371  | Drill Core | 0.020 | 4   | 6   | 0.25  | 17  | <0.001 | <20 | 0.30 | 0.004 | 0.14 | <0.1 | <0.01 | 0.7  | <0.1 | 1.73 | 1   | 0.6  |
| 53372  | Drill Core | 0.033 | 2   | 5   | 0.22  | 19  | <0.001 | <20 | 0.31 | 0.005 | 0.14 | <0.1 | <0.01 | 0.6  | <0.1 | 2.66 | 1   | 1.1  |
| 53373  | Drill Core | 0.021 | 3   | 8   | 0.29  | 18  | <0.001 | <20 | 0.42 | 0.005 | 0.13 | <0.1 | <0.01 | 0.6  | <0.1 | 2.78 | 2   | 1.3  |
| 53374  | Drill Core | 0.030 | 4   | 7   | 0.21  | 16  | <0.001 | <20 | 0.27 | 0.004 | 0.10 | <0.1 | <0.01 | 0.4  | <0.1 | 2.32 | <1  | 1.1  |
| 53375  | Drill Core | 0.020 | 2   | 8   | 0.18  | 18  | <0.001 | <20 | 0.30 | 0.004 | 0.14 | <0.1 | <0.01 | 0.4  | <0.1 | 2.67 | 1   | 1.1  |
| 53376  | Drill Core | 0.022 | 4   | 7   | 0.21  | 19  | <0.001 | <20 | 0.34 | 0.004 | 0.15 | <0.1 | <0.01 | 0.5  | <0.1 | 1.56 | 1   | 0.6  |
| 53377  | Drill Core | 0.021 | 3   | 5   | 0.07  | 16  | <0.001 | <20 | 0.19 | 0.004 | 0.12 | <0.1 | <0.01 | 0.4  | <0.1 | 1.90 | <1  | 0.9  |
| 53378  | Drill Core | 0.025 | 23  | 6   | 0.04  | 24  | <0.001 | <20 | 0.21 | 0.004 | 0.16 | <0.1 | <0.01 | 0.5  | <0.1 | 1.85 | <1  | 0.8  |
| 53379  | Drill Core | 0.011 | 3   | 7   | 0.01  | 15  | <0.001 | <20 | 0.12 | 0.003 | 0.10 | <0.1 | <0.01 | 0.3  | <0.1 | 4.70 | <1  | 1.9  |
| 53380  | Drill Core | 0.007 | 2   | 7   | <0.01 | 13  | <0.001 | <20 | 0.09 | 0.003 | 0.09 | <0.1 | <0.01 | 0.2  | <0.1 | 5.17 | <1  | 1.2  |
| 53381  | Drill Core | 0.019 | 15  | 12  | <0.01 | 15  | <0.001 | <20 | 0.11 | 0.004 | 0.09 | <0.1 | <0.01 | 0.2  | <0.1 | 3.89 | <1  | 1.4  |
| 53382  | Drill Core | 0.008 | 10  | 9   | <0.01 | 8   | <0.001 | <20 | 0.07 | 0.004 | 0.06 | <0.1 | <0.01 | 0.2  | <0.1 | 5.86 | <1  | 2.1  |
| 53383  | Drill Core | 0.011 | 18  | 13  | <0.01 | 5   | <0.001 | <20 | 0.04 | 0.002 | 0.04 | 0.3  | <0.01 | 0.2  | <0.1 | 6.74 | <1  | 3.8  |
| 53384  | Drill Core | 0.079 | 66  | 10  | <0.01 | 9   | <0.001 | <20 | 0.08 | 0.003 | 0.05 | <0.1 | <0.01 | 0.2  | <0.1 | 4.64 | <1  | 2.9  |
| 53385  | Drill Core | 0.146 | 30  | 14  | <0.01 | 9   | 0.001  | <20 | 0.07 | 0.002 | 0.05 | <0.1 | <0.01 | 0.3  | <0.1 | 3.61 | <1  | 2.1  |
| 53386  | Drill Core | 0.130 | 32  | 10  | <0.01 | 11  | 0.001  | <20 | 0.08 | 0.002 | 0.06 | <0.1 | <0.01 | 0.3  | <0.1 | 6.51 | <1  | 2.8  |
| 53387  | Drill Core | 0.041 | 15  | 13  | <0.01 | 10  | <0.001 | <20 | 0.08 | 0.003 | 0.06 | 0.2  | <0.01 | 0.2  | <0.1 | 2.36 | <1  | 1.1  |
| 53388  | Drill Core | 0.038 | 14  | 9   | <0.01 | 11  | <0.001 | <20 | 0.09 | 0.003 | 0.07 | <0.1 | <0.01 | 0.3  | <0.1 | 3.15 | <1  | 1.1  |
| 53389  | Drill Core | 0.057 | 25  | 12  | <0.01 | 7   | <0.001 | <20 | 0.06 | 0.002 | 0.04 | 0.2  | <0.01 | 0.2  | <0.1 | 3.03 | <1  | 1.9  |
| 53390  | Drill Core | 0.018 | 5   | 11  | <0.01 | 33  | <0.001 | <20 | 0.12 | 0.004 | 0.10 | 28.8 | <0.01 | 0.3  | <0.1 | 3.35 | <1  | 1.9  |
| 53391  | Drill Core | 0.018 | 1   | 7   | <0.01 | 17  | <0.001 | <20 | 0.12 | 0.004 | 0.11 | 0.8  | <0.01 | 0.3  | <0.1 | 2.74 | <1  | 1.0  |
| 53392  | Drill Core | 0.030 | 2   | 9   | <0.01 | 19  | <0.001 | <20 | 0.14 | 0.003 | 0.12 | 0.3  | <0.01 | 0.2  | <0.1 | 2.87 | <1  | 1.2  |
| 53393  | Drill Core | 0.004 | 4   | 15  | <0.01 | 6   | <0.001 | <20 | 0.04 | 0.004 | 0.03 | 1.7  | <0.01 | <0.1 | <0.1 | 1.97 | <1  | 1.3  |
| 53394  | Drill Core | 0.003 | 1   | 9   | <0.01 | 8   | <0.001 | <20 | 0.05 | 0.004 | 0.04 | 0.7  | <0.01 | 0.1  | <0.1 | 1.20 | <1  | 0.8  |
| 53395  | Drill Core | 0.007 | 1   | 9   | 0.02  | 18  | <0.001 | <20 | 0.09 | 0.003 | 0.09 | 1.6  | <0.01 | 0.3  | <0.1 | 0.96 | <1  | <0.5 |
| 53396  | Drill Core | 0.003 | 2   | 10  | <0.01 | 12  | <0.001 | <20 | 0.06 | 0.004 | 0.06 | 1.2  | <0.01 | 0.4  | <0.1 | 0.92 | <1  | 1.2  |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: Z08-1  
Report Date: July 16, 2000

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| Method | Wght       | 1DX  | 1DX | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  |      |    |      |
|--------|------------|------|-----|------|------|-----|------|------|-------|------|------|-------|------|------|------|-----|------|------|------|----|------|
|        | Analyte    | Mo   | Cu  | Pb   | Zn   | Ag  | Ni   | Co   | Mn    | Fe   | As   | U     | Au   | Th   | Sr   | Cd  | Sb   | Bi   | V    |    |      |
|        | Unit       | kg   | ppm | ppm  | ppm  | ppm | ppm  | ppm  | ppm   | %    | ppm  | ppm   | ppb  | ppm  | ppm  | ppm | ppm  | Ca   |      |    |      |
|        | MDL        | 0.01 | 0.1 | 0.1  | 0.1  | 1   | 0.1  | 0.1  | 1     | 0.01 | 0.5  | 0.1   | 0.5  | 0.1  | 1    | 0.1 | 0.1  | 2    | 0.01 |    |      |
| 53397  | Drill Core | 2.52 | 0.8 | 8.7  | 11.3 | 4   | 0.2  | 9.5  | 43.2  | 174  | 1.92 | 40.5  | 0.8  | 13.0 | 3.1  | 6   | 0.1  | 0.1  | 1.4  | 2  | 0.04 |
| 53398  | Drill Core | 1.20 | 0.3 | 24.2 | 39.6 | 32  | 0.2  | 2.8  | 4.4   | 106  | 0.83 | 12.8  | 5.2  | 46.6 | 6.9  | 18  | 0.4  | <0.1 | 0.4  | 4  | 0.17 |
| 53399  | Drill Core | 1.11 | 0.2 | 9.2  | 32.4 | 38  | 0.2  | 2.5  | 3.7   | 451  | 1.98 | 131.1 | 4.1  | 5.3  | 6.5  | 20  | 0.2  | 0.1  | 0.4  | 4  | 0.13 |
| 53400  | Drill Core | 1.58 | 0.2 | 7.1  | 46.5 | 61  | 0.3  | 1.9  | 3.6   | 839  | 2.47 | 6.7   | 4.1  | 3.3  | 6.9  | 29  | 0.3  | <0.1 | 0.8  | 4  | 0.15 |
| 53401  | Drill Core | 1.83 | 0.5 | 7.2  | 66.3 | 32  | 0.5  | 9.5  | 26.3  | 621  | 2.35 | 23.8  | 3.2  | 8.5  | 9.8  | 13  | 0.2  | 0.1  | 2.4  | 4  | 0.12 |
| 53402  | Drill Core | 1.72 | 1.0 | 4.2  | 4.3  | 5   | <0.1 | 9.4  | 27.3  | 123  | 1.53 | 18.9  | 1.8  | 5.2  | 8.8  | 7   | <0.1 | 0.1  | 1.5  | 4  | 0.05 |
| 53403  | Drill Core | 1.69 | 0.9 | 6.4  | 2.7  | 5   | <0.1 | 8.7  | 31.5  | 77   | 1.62 | 25.4  | 1.4  | 3.5  | 6.7  | 5   | <0.1 | 0.1  | 1.4  | 3  | 0.04 |
| 53404  | Drill Core | 1.36 | 0.9 | 9.4  | 3.4  | 3   | <0.1 | 13.3 | 51.4  | 46   | 1.99 | 45.8  | 1.7  | 6.5  | 7.0  | 5   | <0.1 | 0.2  | 2.3  | 3  | 0.04 |
| 53405  | Drill Core | 1.37 | 0.9 | 14.2 | 2.7  | 2   | <0.1 | 13.6 | 47.0  | 44   | 2.07 | 53.6  | 1.0  | 6.8  | 6.9  | 5   | <0.1 | 0.1  | 2.2  | 3  | 0.04 |
| 53406  | Drill Core | 2.82 | 1.0 | 10.5 | 3.7  | 6   | <0.1 | 19.6 | 78.8  | 65   | 3.06 | 66.2  | 1.4  | 11.7 | 5.1  | 8   | <0.1 | 0.2  | 4.3  | 4  | 0.05 |
| 53407  | Drill Core | 2.03 | 1.6 | 7.4  | 3.9  | 5   | <0.1 | 18.0 | 73.1  | 70   | 2.41 | 39.4  | 1.0  | 9.1  | 3.6  | 9   | <0.1 | 0.2  | 4.7  | 3  | 0.05 |
| 53408  | Drill Core | 1.71 | 1.2 | 11.9 | 6.4  | 4   | <0.1 | 24.4 | 95.0  | 146  | 3.03 | 60.2  | 2.1  | 14.9 | 6.2  | 12  | <0.1 | 0.2  | 6.1  | 3  | 0.09 |
| 53409  | Drill Core | 1.83 | 1.1 | 2.3  | 2.6  | 3   | <0.1 | 11.7 | 49.1  | 91   | 1.80 | 22.8  | 1.4  | 4.3  | 6.6  | 10  | <0.1 | <0.1 | 1.9  | 2  | 0.05 |
| 53410  | Drill Core | 1.76 | 1.2 | 7.4  | 3.2  | 8   | <0.1 | 17.8 | 79.5  | 65   | 2.97 | 40.4  | 2.5  | 7.7  | 11.8 | 7   | <0.1 | 0.2  | 3.9  | 3  | 0.08 |
| 53411  | Drill Core | 1.92 | 0.9 | 5.6  | 3.5  | 7   | <0.1 | 16.3 | 49.0  | 80   | 2.83 | 41.0  | 1.3  | 4.5  | 9.5  | 5   | <0.1 | 0.2  | 2.4  | 3  | 0.05 |
| 53412  | Drill Core | 1.74 | 0.8 | 5.1  | 2.8  | 14  | <0.1 | 9.8  | 34.4  | 201  | 2.13 | 23.4  | 1.0  | 4.8  | 6.0  | 5   | <0.1 | 0.4  | 1.2  | <2 | 0.06 |
| 53413  | Drill Core | 1.58 | 0.8 | 8.2  | 2.9  | 9   | <0.1 | 10.7 | 50.8  | 68   | 2.36 | 32.5  | 1.0  | 8.7  | 5.4  | 5   | <0.1 | 0.2  | 3.3  | 2  | 0.03 |
| 53414  | Drill Core | 1.61 | 0.8 | 10.1 | 10.7 | 2   | 0.2  | 20.0 | 113.9 | 39   | 3.65 | 80.8  | 2.3  | 16.8 | 4.3  | 4   | <0.1 | 0.3  | 5.6  | 2  | 0.03 |
| 53415  | Drill Core | 1.83 | 0.9 | 5.7  | 5.7  | 3   | <0.1 | 13.5 | 76.9  | 53   | 2.55 | 44.7  | 8.2  | 8.9  | 4.1  | 6   | <0.1 | 0.2  | 3.2  | <2 | 0.03 |
| 53416  | Drill Core | 1.60 | 1.1 | 11.2 | 6.7  | 2   | <0.1 | 16.3 | 85.3  | 56   | 3.08 | 47.9  | 4.8  | 10.1 | 7.4  | 10  | <0.1 | 0.2  | 4.7  | <2 | 0.08 |
| 53417  | Drill Core | 1.85 | 0.7 | 4.0  | 3.5  | 1   | <0.1 | 12.0 | 71.7  | 27   | 2.87 | 58.8  | 2.7  | 6.8  | 4.0  | 6   | <0.1 | 0.1  | 3.1  | <2 | 0.03 |
| 53418  | Drill Core | 1.58 | 1.1 | 3.0  | 4.7  | 1   | <0.1 | 13.6 | 86.4  | 30   | 2.52 | 38.9  | 25.1 | 6.2  | 7.2  | 10  | <0.1 | 0.2  | 2.2  | 2  | 0.05 |
| 53419  | Drill Core | 1.56 | 1.0 | 1.4  | 1.8  | 6   | <0.1 | 13.1 | 63.2  | 132  | 2.16 | 23.5  | 25.4 | 2.9  | 7.1  | 9   | <0.1 | 0.2  | 1.4  | <2 | 0.06 |
| 53420  | Drill Core | 1.68 | 1.6 | 4.0  | 2.6  | 14  | <0.1 | 22.3 | 25.3  | 230  | 2.76 | 33.8  | 1.6  | 3.1  | 5.4  | 8   | <0.1 | 0.2  | 1.8  | 5  | 0.08 |
| 53421  | Drill Core | 2.01 | 3.8 | 11.0 | 4.2  | 17  | <0.1 | 32.2 | 58.1  | 136  | 3.85 | 52.1  | 5.8  | 4.0  | 8.2  | 8   | <0.1 | 0.3  | 4.2  | 7  | 0.10 |
| 53422  | Drill Core | 2.07 | 1.4 | 11.8 | 7.7  | 7   | <0.1 | 32.2 | 157.2 | 75   | 9.55 | 388.1 | 7.9  | 25.9 | 4.3  | 9   | <0.1 | 0.4  | 7.4  | 2  | 0.09 |
| 53423  | Drill Core | 1.97 | 1.3 | 6.7  | 7.2  | 11  | 0.1  | 27.8 | 109.3 | 80   | 5.31 | 113.0 | 10.0 | 10.4 | 5.2  | 9   | <0.1 | 0.4  | 8.4  | 4  | 0.10 |
| 53424  | Drill Core | 1.84 | 4.3 | 6.6  | 6.4  | 21  | <0.1 | 36.4 | 71.4  | 172  | 4.13 | 63.6  | 3.7  | 6.5  | 8.8  | 10  | <0.1 | 0.3  | 8.8  | 9  | 0.12 |
| 53425  | Drill Core | 1.73 | 1.4 | 9.1  | 7.6  | 8   | 0.1  | 36.3 | 163.4 | 149  | 7.42 | 190.6 | 7.3  | 8.3  | 4.7  | 8   | <0.1 | 0.4  | 10.1 | 3  | 0.11 |
| 53426  | Drill Core | 1.67 | 0.8 | 1.8  | 2.7  | 2   | <0.1 | 15.5 | 81.5  | 56   | 1.90 | 34.5  | 10.8 | 4.1  | 4.2  | 8   | <0.1 | 0.1  | 3.3  | <2 | 0.09 |

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Calgary AB T2R 1H6 Canada

Project:

Z08-1

Report Date:

July 16, 2008

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Part 2

| Method | Analyte    | 1DX   | 1DX | 1DX | 1DX   | 1DX | 1DX    | 1DX | 1DX  | 1DX   | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX |      |
|--------|------------|-------|-----|-----|-------|-----|--------|-----|------|-------|------|------|-------|-----|------|------|-----|------|
|        |            | P     | La  | Cr  | Mg    | Ba  | Tl     | B   | Al   | Na    | K    | W    | Hg    | Sc  | Tl   | S    | Ga  | Se   |
|        |            | Unit  | %   | ppm | ppm   | %   | ppm    | %   | ppm  | %     | %    | ppm  | ppm   | ppm | %    | ppm  | ppm |      |
| MDL    |            | 0.001 | 1   | 1   | 0.01  | 1   | 0.001  | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.01  | 0.1 | 0.1  | 0.05 | 1   | 0.5  |
| 53387  | Drill Core | 0.012 | 6   | 10  | <0.01 | 34  | <0.001 | <20 | 0.16 | 0.004 | 0.13 | 1.3  | <0.01 | 0.4 | <0.1 | 1.43 | <1  | 1.3  |
| 53398  | Drill Core | 0.042 | 9   | 2   | 0.07  | 100 | <0.001 | <20 | 0.53 | 0.007 | 0.34 | <0.1 | <0.01 | 0.5 | 0.1  | 0.22 | <1  | <0.5 |
| 53399  | Drill Core | 0.037 | 8   | 1   | 0.06  | 73  | <0.001 | <20 | 0.40 | 0.014 | 0.28 | <0.1 | <0.01 | 1.0 | 0.1  | 0.18 | <1  | <0.5 |
| 53400  | Drill Core | 0.043 | 11  | 2   | 0.07  | 66  | <0.001 | <20 | 0.36 | 0.023 | 0.24 | <0.1 | <0.01 | 1.2 | <0.1 | 0.06 | <1  | <0.5 |
| 53401  | Drill Core | 0.037 | 4   | 3   | 0.04  | 64  | <0.001 | <20 | 0.30 | 0.009 | 0.27 | 0.2  | <0.01 | 0.9 | 0.1  | 1.01 | <1  | 0.8  |
| 53402  | Drill Core | 0.023 | <1  | 5   | 0.06  | 37  | <0.001 | <20 | 0.22 | 0.003 | 0.20 | <0.1 | <0.01 | 0.7 | <0.1 | 1.07 | <1  | 0.8  |
| 53403  | Drill Core | 0.014 | 2   | 7   | 0.06  | 28  | <0.001 | <20 | 0.18 | 0.003 | 0.17 | 0.4  | <0.01 | 0.6 | <0.1 | 1.36 | <1  | <0.5 |
| 53404  | Drill Core | 0.015 | 2   | 7   | 0.03  | 25  | <0.001 | <20 | 0.17 | 0.003 | 0.15 | 0.1  | <0.01 | 0.5 | <0.1 | 1.93 | <1  | 1.4  |
| 53405  | Drill Core | 0.017 | 1   | 7   | 0.04  | 29  | <0.001 | <20 | 0.19 | 0.004 | 0.18 | 0.7  | <0.01 | 0.5 | <0.1 | 2.03 | <1  | 1.3  |
| 53406  | Drill Core | 0.023 | 3   | 9   | 0.11  | 27  | <0.001 | <20 | 0.23 | 0.004 | 0.16 | 0.2  | <0.01 | 0.7 | <0.1 | 3.03 | <1  | 1.4  |
| 53407  | Drill Core | 0.023 | 4   | 10  | 0.09  | 21  | <0.001 | <20 | 0.17 | 0.004 | 0.11 | 0.6  | <0.01 | 0.6 | <0.1 | 2.21 | <1  | 1.2  |
| 53408  | Drill Core | 0.038 | 2   | 6   | 0.03  | 41  | <0.001 | <20 | 0.19 | 0.004 | 0.18 | <0.1 | <0.01 | 0.6 | <0.1 | 2.93 | <1  | 1.6  |
| 53409  | Drill Core | 0.026 | 2   | 6   | 0.05  | 29  | <0.001 | <20 | 0.17 | 0.003 | 0.16 | 0.6  | <0.01 | 0.4 | <0.1 | 1.58 | <1  | 0.9  |
| 53410  | Drill Core | 0.035 | 2   | 5   | 0.15  | 34  | <0.001 | <20 | 0.24 | 0.004 | 0.23 | <0.1 | <0.01 | 1.0 | <0.1 | 2.76 | <1  | 1.6  |
| 53411  | Drill Core | 0.022 | 2   | 5   | 0.23  | 31  | <0.001 | <20 | 0.22 | 0.003 | 0.17 | <0.1 | <0.01 | 0.7 | <0.1 | 2.34 | <1  | <0.5 |
| 53412  | Drill Core | 0.013 | 5   | 6   | 0.09  | 29  | <0.001 | <20 | 0.18 | 0.004 | 0.16 | 0.5  | <0.01 | 0.6 | <0.1 | 1.28 | <1  | 0.8  |
| 53413  | Drill Core | 0.014 | 4   | 7   | 0.16  | 27  | <0.001 | <20 | 0.24 | 0.004 | 0.15 | <0.1 | <0.01 | 0.6 | <0.1 | 1.99 | <1  | 1.1  |
| 53414  | Drill Core | 0.011 | 4   | 8   | 0.03  | 27  | <0.001 | <20 | 0.16 | 0.003 | 0.15 | 0.5  | <0.01 | 0.4 | <0.1 | 3.97 | <1  | 1.8  |
| 53415  | Drill Core | 0.015 | 13  | 6   | 0.08  | 24  | <0.001 | <20 | 0.15 | 0.002 | 0.12 | <0.1 | <0.01 | 0.6 | <0.1 | 2.47 | <1  | 1.3  |
| 53416  | Drill Core | 0.039 | 6   | 6   | 0.06  | 28  | <0.001 | <20 | 0.19 | 0.003 | 0.17 | 0.4  | <0.01 | 0.6 | <0.1 | 3.11 | <1  | 1.1  |
| 53417  | Drill Core | 0.013 | 11  | 7   | 0.01  | 20  | <0.001 | <20 | 0.15 | 0.003 | 0.13 | 0.1  | <0.01 | 0.4 | <0.1 | 2.80 | <1  | 1.3  |
| 53418  | Drill Core | 0.028 | 14  | 10  | 0.02  | 30  | <0.001 | <20 | 0.20 | 0.003 | 0.17 | 0.5  | <0.01 | 0.7 | <0.1 | 2.60 | <1  | 1.2  |
| 53419  | Drill Core | 0.023 | 26  | 5   | 0.02  | 24  | <0.001 | <20 | 0.15 | 0.004 | 0.13 | 0.1  | <0.01 | 0.7 | <0.1 | 1.64 | <1  | 0.9  |
| 53420  | Drill Core | 0.030 | 8   | 12  | 0.33  | 19  | <0.001 | <20 | 0.26 | 0.009 | 0.11 | 0.3  | <0.01 | 1.0 | <0.1 | 1.05 | <1  | <0.5 |
| 53421  | Drill Core | 0.040 | 5   | 12  | 0.30  | 25  | <0.001 | <20 | 0.53 | 0.007 | 0.14 | 0.1  | <0.01 | 1.0 | <0.1 | 2.79 | 2   | 1.4  |
| 53422  | Drill Core | 0.035 | 4   | 8   | 0.05  | 16  | <0.001 | <20 | 0.19 | 0.004 | 0.10 | 0.5  | <0.01 | 0.5 | <0.1 | 9.33 | <1  | 3.1  |
| 53423  | Drill Core | 0.043 | 6   | 9   | 0.10  | 22  | <0.001 | <20 | 0.28 | 0.003 | 0.12 | <0.1 | <0.01 | 0.7 | <0.1 | 5.43 | 1   | 1.4  |
| 53424  | Drill Core | 0.052 | 7   | 16  | 0.51  | 31  | <0.001 | <20 | 0.74 | 0.006 | 0.17 | 0.3  | <0.01 | 1.4 | <0.1 | 2.90 | 2   | 1.3  |
| 53425  | Drill Core | 0.044 | 9   | 20  | 0.09  | 21  | <0.001 | <20 | 0.25 | 0.004 | 0.12 | <0.1 | <0.01 | 0.8 | <0.1 | 6.97 | <1  | 2.5  |
| 53426  | Drill Core | 0.043 | 22  | 6   | 0.04  | 22  | <0.001 | <20 | 0.15 | 0.003 | 0.13 | 0.2  | <0.01 | 0.6 | <0.1 | 1.77 | <1  | <0.5 |

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Project: Z08-1

Report Date: July 16, 2008

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| Method | Analyte    | Unit | WGHT | 1DX | 1DX   | 1DX   | 1DX | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  | 1DX   | 1DX  | 1DX   | 1DX  | 1DX | 1DX  | 1DX  | 1DX  |         |
|--------|------------|------|------|-----|-------|-------|-----|------|------|-------|------|------|-------|------|-------|------|-----|------|------|------|---------|
|        |            |      | Wgt  | Mo  | Cu    | Pb    | Zn  | Ag   | Ni   | Co    | Mn   | Fe   | As    | U    | Au    | Th   | Sr  | Cd   | Sb   | V    | Ca      |
|        |            |      | kg   | ppm | ppm   | ppm   | ppm | ppm  | ppm  | ppm   | ppm  | %    | ppm   | ppm  | ppb   | ppm  | ppm | ppm  | ppm  | ppm  | %       |
| MDL    |            |      | 0.01 | 0.1 | 0.1   | 0.1   | 1   | 0.1  | 0.1  | 0.1   | 1    | 0.01 | 0.5   | 0.1  | 0.6   | 0.1  | 1   | 0.1  | 0.1  | 2    | 0.01    |
| 53427  | Drill Core |      | 1.98 | 1.4 | 8.4   | 14.3  | 4   | 0.1  | 34.9 | 146.9 | 76   | 5.64 | 106.3 | 7.1  | 7.3   | 3.8  | 7   | <0.1 | 0.3  | 7.7  | 2 0.07  |
| 53428  | Drill Core |      | 1.99 | 2.3 | 8.1   | 7.3   | 6   | 0.1  | 40.7 | 159.0 | 275  | 5.47 | 75.9  | 5.9  | 5.7   | 4.7  | 13  | <0.1 | 0.4  | 7.5  | 2 0.21  |
| 53429  | Drill Core |      | 1.91 | 2.0 | 6.8   | 6.8   | 4   | 0.1  | 34.4 | 163.5 | 290  | 5.22 | 70.6  | 6.4  | 9.1   | 4.7  | 7   | <0.1 | 0.3  | 6.0  | 3 0.11  |
| 53430  | Drill Core |      | 1.85 | 1.9 | 14.3  | 12.7  | 8   | 0.2  | 90.4 | 501.4 | 210  | 9.05 | 134.3 | 18.1 | 65.6  | 3.5  | 23  | <0.1 | 0.6  | 9.9  | 3 0.42  |
| 53431  | Drill Core |      | 1.79 | 0.9 | 8.9   | 12.8  | 1   | 0.2  | 61.3 | 393.9 | 26   | 5.76 | 85.8  | 10.9 | 56.0  | 1.7  | 8   | <0.1 | 0.5  | 10.5 | <2 0.08 |
| 53432  | Drill Core |      | 2.15 | 2.9 | 45.9  | 7.6   | 30  | 0.1  | 49.2 | 148.8 | 278  | 5.80 | 84.8  | 4.9  | 17.4  | 5.2  | 9   | <0.1 | 0.4  | 13.5 | 12 0.11 |
| 53433  | Drill Core |      | 1.95 | 2.2 | 2.5   | 1.8   | 44  | <0.1 | 38.0 | 14.6  | 286  | 3.72 | 10.8  | 1.8  | 1.9   | 11.5 | 9   | <0.1 | 0.2  | 1.3  | 27 0.11 |
| 53434  | Drill Core |      | 1.83 | 4.5 | 7.9   | 4.1   | 42  | <0.1 | 44.8 | 39.0  | 333  | 4.89 | 42.0  | 3.9  | 3.3   | 12.7 | 8   | <0.1 | 0.2  | 3.6  | 21 0.11 |
| 53435  | Drill Core |      | 1.87 | 4.8 | 14.6  | 5.8   | 39  | <0.1 | 53.2 | 122.9 | 236  | 6.62 | 68.9  | 8.0  | 8.4   | 10.3 | 10  | <0.1 | 0.3  | 9.3  | 22 0.13 |
| 53436  | Drill Core |      | 2.12 | 3.0 | 14.7  | 7.9   | 12  | <0.1 | 57.3 | 254.2 | 210  | 7.50 | 109.0 | 21.9 | 11.9  | 10.2 | 15  | <0.1 | 0.3  | 13.1 | 6 0.19  |
| 53437  | Drill Core |      | 1.89 | 1.8 | 8.0   | 6.0   | 11  | <0.1 | 34.8 | 157.9 | 171  | 5.59 | 87.1  | 9.0  | 8.6   | 8.3  | 10  | <0.1 | 0.2  | 9.4  | 4 0.11  |
| 53438  | Drill Core |      | 2.06 | 2.9 | 10.5  | 10.5  | 10  | 0.1  | 43.1 | 223.1 | 168  | 7.55 | 122.9 | 12.0 | 13.9  | 11.4 | 16  | <0.1 | 0.3  | 14.1 | 3 0.16  |
| 53439  | Drill Core |      | 1.55 | 1.5 | 2.5   | 2.2   | 23  | <0.1 | 20.0 | 27.0  | 191  | 2.68 | 21.1  | 2.2  | 2.2   | 10.2 | 8   | <0.1 | 0.1  | 1.9  | 8 0.07  |
| 53440  | Drill Core |      | 2.05 | 2.2 | 22.8  | 7.0   | 36  | <0.1 | 41.6 | 51.4  | 307  | 5.24 | 72.8  | 1.4  | 11.5  | 5.7  | 9   | <0.1 | 0.3  | 10.5 | 16 0.07 |
| 53441  | Drill Core |      | 2.53 | 2.7 | 40.7  | 9.4   | 51  | 0.1  | 49.5 | 44.4  | 432  | 5.90 | 87.7  | 1.4  | 14.2  | 9.9  | 13  | <0.1 | 0.3  | 11.2 | 12 0.09 |
| 53442  | Drill Core |      | 2.28 | 2.3 | 15.3  | 7.3   | 45  | 0.3  | 47.2 | 41.7  | 1217 | 7.13 | 99.2  | 2.0  | 12.7  | 13.8 | 22  | <0.1 | 0.3  | 6.3  | 7 0.15  |
| 53443  | Drill Core |      | 2.37 | 1.4 | 104.0 | 110.9 | 116 | 0.4  | 38.6 | 19.2  | 2317 | 9.04 | 103.1 | 2.0  | 44.5  | 13.9 | 23  | 2.0  | 0.5  | 2.4  | 3 0.23  |
| 53444  | Drill Core |      | 1.92 | 0.6 | 53.6  | 193.4 | 99  | 0.5  | 18.1 | 12.5  | 305  | 1.74 | 94.5  | 2.1  | 141.9 | 10.4 | 20  | 1.7  | 0.8  | 2.1  | 2 0.13  |
| 53445  | Drill Core |      | 1.54 | 0.5 | 6.5   | 47.7  | 37  | 0.2  | 4.9  | 4.4   | 796  | 2.04 | 9.6   | 1.7  | 7.7   | 18.1 | 10  | 0.7  | 0.1  | 0.6  | 2 0.13  |
| 53446  | Drill Core |      | 1.69 | 0.2 | 13.9  | 40.5  | 39  | 0.1  | 3.6  | 5.3   | 884  | 2.50 | 11.8  | 2.4  | 43.3  | 5.6  | 18  | 0.5  | <0.1 | 0.3  | <2 0.14 |
| 53447  | Drill Core |      | 1.71 | 0.2 | 31.5  | 44.3  | 57  | 0.2  | 2.5  | 3.6   | 506  | 1.55 | 17.5  | 2.9  | 78.6  | 5.0  | 18  | 0.6  | <0.1 | 0.4  | <2 0.13 |
| 53448  | Drill Core |      | 1.70 | 0.1 | 29.6  | 44.5  | 45  | 0.3  | 2.1  | 4.3   | 506  | 1.56 | 11.4  | 3.3  | 94.5  | 4.3  | 17  | 0.5  | <0.1 | 0.4  | <2 0.14 |
| 53449  | Drill Core |      | 1.95 | 0.2 | 8.9   | 26.5  | 34  | 0.2  | 2.3  | 4.6   | 568  | 1.61 | 6.4   | 3.4  | 91.5  | 4.3  | 19  | 0.3  | <0.1 | 0.3  | <2 0.15 |
| 53450  | Drill Core |      | 2.06 | 0.3 | 3.3   | 183.5 | 28  | 0.7  | 2.8  | 5.5   | 391  | 1.70 | 4.2   | 2.7  | 151.6 | 3.5  | 20  | 0.6  | <0.1 | 0.9  | <2 0.23 |
| 53451  | Drill Core |      | 2.15 | 0.2 | 3.6   | 234.6 | 147 | 0.7  | 3.1  | 5.8   | 491  | 2.08 | 4.8   | 2.5  | 240.1 | 3.0  | 23  | 3.3  | 0.1  | 0.8  | <2 0.26 |
| 53452  | Drill Core |      | 1.69 | 0.2 | 9.7   | 46.7  | 45  | 0.2  | 2.5  | 5.3   | 433  | 1.54 | 2.4   | 2.5  | 51.4  | 3.3  | 22  | 0.7  | <0.1 | 0.3  | <2 0.18 |
| 53453  | Drill Core |      | 1.69 | 0.2 | 10.6  | 30.6  | 41  | <0.1 | 1.9  | 4.4   | 861  | 1.82 | 2.5   | 2.9  | 13.0  | 4.8  | 25  | 0.2  | <0.1 | 0.3  | 2 0.17  |
| 53454  | Drill Core |      | 1.82 | 0.2 | 9.6   | 36.3  | 40  | 0.1  | 2.5  | 4.9   | 764  | 1.98 | 4.2   | 2.5  | 104.4 | 3.7  | 21  | 0.4  | <0.1 | 0.4  | <2 0.18 |
| 53455  | Drill Core |      | 2.14 | 0.2 | 6.6   | 29.2  | 16  | <0.1 | 2.9  | 6.6   | 372  | 1.79 | 4.3   | 2.5  | 31.0  | 3.4  | 23  | 0.2  | 0.1  | 0.3  | <2 0.16 |
| 53456  | Drill Core |      | 2.51 | 0.1 | 6.5   | 23.0  | 42  | <0.1 | 1.9  | 3.6   | 799  | 1.59 | 1.3   | 2.9  | 6.3   | 4.9  | 22  | 0.2  | <0.1 | 0.2  | 2 0.15  |

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Project: Z08-1  
Report Date: July 16, 2008

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| Method | 1DX        | 1DX   | 1DX | 1DX  | 1DX   | 1DX   | 1DX    | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX |      |
|--------|------------|-------|-----|------|-------|-------|--------|------|-------|-------|------|------|-------|-----|------|------|-----|------|
|        | Analyte    | P     | La  | Cr   | Mg    | Ba    | Ti     | B    | Al    | Na    | K    | W    | Hg    | Sc  | Tl   | S    | Ga  | Se   |
| Unit   | %          | ppm   | ppm | %    | ppm   | %     | ppm    | %    | %     | %     | ppm  | ppm  | ppm   | ppm | %    | ppm  | ppm |      |
| MDL    | 0.001      | 1     | 1   | 0.01 | 1     | 0.001 | <20    | 0.01 | 0.001 | 0.01  | 0.1  | 0.01 | 0.1   | 0.1 | 0.05 | 1    | 0.5 |      |
| 53427  | Drill Core | 0.031 | 8   | 6    | 0.07  | 19    | <0.001 | <20  | 0.17  | 0.004 | 0.12 | <0.1 | <0.01 | 0.7 | <0.1 | 5.66 | <1  | 2.1  |
| 53428  | Drill Core | 0.097 | 10  | 6    | 0.31  | 23    | <0.001 | <20  | 0.22  | 0.005 | 0.15 | 0.1  | <0.01 | 0.9 | <0.1 | 4.68 | <1  | 2.3  |
| 53429  | Drill Core | 0.047 | 11  | 5    | 0.14  | 24    | <0.001 | <20  | 0.19  | 0.002 | 0.15 | 0.1  | <0.01 | 0.9 | <0.1 | 4.71 | <1  | 1.9  |
| 53430  | Drill Core | 0.180 | 13  | 4    | 0.04  | 24    | 0.001  | <20  | 0.20  | 0.003 | 0.14 | 0.2  | <0.01 | 1.0 | <0.1 | 8.68 | <1  | 4.8  |
| 53431  | Drill Core | 0.038 | 34  | 9    | <0.01 | 11    | <0.001 | <20  | 0.08  | 0.002 | 0.07 | 0.2  | <0.01 | 0.3 | <0.1 | 6.52 | <1  | 4.2  |
| 53432  | Drill Core | 0.044 | 11  | 29   | 0.63  | 15    | 0.002  | <20  | 0.74  | 0.012 | 0.08 | 0.1  | <0.01 | 1.5 | <0.1 | 4.31 | 3   | 2.0  |
| 53433  | Drill Core | 0.044 | 9   | 44   | 1.18  | 18    | 0.003  | <20  | 1.79  | 0.044 | 0.07 | <0.1 | <0.01 | 2.9 | <0.1 | 0.47 | 6   | <0.5 |
| 53434  | Drill Core | 0.047 | 5   | 33   | 1.26  | 29    | 0.003  | <20  | 1.89  | 0.019 | 0.15 | <0.1 | <0.01 | 1.9 | <0.1 | 2.06 | 6   | 0.5  |
| 53435  | Drill Core | 0.060 | 8   | 35   | 1.04  | 29    | 0.004  | <20  | 1.69  | 0.021 | 0.17 | <0.1 | <0.01 | 2.0 | <0.1 | 4.45 | 5   | 1.6  |
| 53436  | Drill Core | 0.093 | 8   | 9    | 0.26  | 35    | 0.002  | <20  | 0.61  | 0.009 | 0.20 | <0.1 | <0.01 | 1.0 | <0.1 | 7.31 | 2   | 2.9  |
| 53437  | Drill Core | 0.048 | 8   | 5    | 0.24  | 37    | 0.001  | <20  | 0.53  | 0.004 | 0.18 | <0.1 | <0.01 | 0.7 | <0.1 | 5.56 | 2   | 1.8  |
| 53438  | Drill Core | 0.077 | 5   | 4    | 0.17  | 41    | 0.001  | <20  | 0.35  | 0.005 | 0.21 | 0.1  | <0.01 | 0.8 | <0.1 | 7.49 | 1   | 3.3  |
| 53439  | Drill Core | 0.030 | 9   | 15   | 0.61  | 30    | 0.001  | <20  | 0.96  | 0.017 | 0.16 | <0.1 | <0.01 | 1.3 | <0.1 | 1.17 | 3   | <0.5 |
| 53440  | Drill Core | 0.028 | 13  | 26   | 0.96  | 21    | 0.002  | <20  | 1.28  | 0.022 | 0.10 | <0.1 | <0.01 | 1.7 | <0.1 | 2.84 | 4   | 0.8  |
| 53441  | Drill Core | 0.025 | 8   | 22   | 1.19  | 30    | 0.001  | <20  | 1.04  | 0.009 | 0.13 | <0.1 | <0.01 | 2.1 | <0.1 | 2.53 | 3   | 1.0  |
| 53442  | Drill Core | 0.040 | 13  | 13   | 0.93  | 47    | <0.001 | <20  | 0.44  | 0.009 | 0.17 | 0.5  | <0.01 | 2.8 | <0.1 | 1.91 | 1   | <0.5 |
| 53443  | Drill Core | 0.029 | 29  | 4    | 0.26  | 59    | <0.001 | <20  | 0.28  | 0.009 | 0.23 | 0.3  | <0.01 | 3.8 | <0.1 | 0.48 | <1  | <0.5 |
| 53444  | Drill Core | 0.034 | 13  | 2    | 0.08  | 53    | <0.001 | <20  | 0.30  | 0.009 | 0.25 | 0.3  | <0.01 | 1.0 | 0.1  | 0.91 | <1  | <0.5 |
| 53445  | Drill Core | 0.040 | 3   | 2    | 0.05  | 58    | <0.001 | <20  | 0.30  | 0.006 | 0.28 | 0.2  | <0.01 | 1.8 | <0.1 | 0.13 | <1  | <0.5 |
| 53446  | Drill Core | 0.044 | 5   | 1    | 0.06  | 54    | <0.001 | <20  | 0.29  | 0.016 | 0.25 | 0.1  | <0.01 | 0.6 | <0.1 | 0.58 | <1  | <0.5 |
| 53447  | Drill Core | 0.047 | 6   | <1   | 0.04  | 62    | <0.001 | <20  | 0.28  | 0.023 | 0.27 | 0.4  | <0.01 | 0.4 | 0.1  | 0.43 | <1  | <0.5 |
| 53448  | Drill Core | 0.051 | 6   | 1    | 0.03  | 62    | <0.001 | <20  | 0.26  | 0.021 | 0.26 | 0.2  | <0.01 | 0.4 | 0.1  | 0.77 | <1  | <0.5 |
| 53449  | Drill Core | 0.060 | 6   | 1    | 0.03  | 71    | 0.001  | <20  | 0.28  | 0.024 | 0.29 | 0.2  | <0.01 | 0.3 | <0.1 | 0.72 | <1  | <0.5 |
| 53450  | Drill Core | 0.104 | 5   | <1   | 0.03  | 64    | 0.001  | <20  | 0.28  | 0.005 | 0.30 | 0.3  | <0.01 | 0.2 | 0.1  | 1.29 | <1  | <0.5 |
| 53451  | Drill Core | 0.120 | 5   | <1   | 0.03  | 76    | 0.001  | <20  | 0.30  | 0.006 | 0.34 | 0.3  | <0.01 | 0.3 | <0.1 | 1.46 | <1  | <0.5 |
| 53452  | Drill Core | 0.075 | 6   | 1    | 0.03  | 79    | 0.001  | <20  | 0.27  | 0.024 | 0.29 | 0.2  | <0.01 | 0.3 | <0.1 | 0.97 | <1  | <0.5 |
| 53453  | Drill Core | 0.062 | 8   | <1   | 0.05  | 111   | 0.002  | <20  | 0.30  | 0.031 | 0.32 | <0.1 | <0.01 | 0.4 | 0.1  | 0.36 | <1  | <0.5 |
| 53454  | Drill Core | 0.072 | 7   | <1   | 0.04  | 89    | 0.001  | <20  | 0.28  | 0.017 | 0.33 | 0.1  | <0.01 | 0.4 | 0.1  | 0.78 | <1  | <0.5 |
| 53455  | Drill Core | 0.064 | 6   | <1   | 0.04  | 71    | <0.001 | <20  | 0.25  | 0.034 | 0.25 | 0.1  | <0.01 | 0.5 | 0.1  | 1.31 | <1  | <0.5 |
| 53456  | Drill Core | 0.055 | 11  | <1   | 0.05  | 91    | 0.003  | <20  | 0.27  | 0.026 | 0.29 | <0.1 | <0.01 | 0.5 | 0.1  | 0.20 | <1  | <0.5 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

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Project:

Z08-1

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Report Date:

July 16, 2008

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| Method | Analyte    | 1DX  | 1DX    | 1DX | 1DX | 1DX  | 1DX | 1DX    | 1DX | 1DX  | 1DX   | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX   |         |
|--------|------------|------|--------|-----|-----|------|-----|--------|-----|------|-------|------|------|-------|-----|------|-------|---------|
|        |            | P    | La     | Cr  | Mg  | Ba   | Ti  | B      | Al  | Na   | K     | W    | Hg   | Sc    | Tl  | S    | Ga    | Se      |
|        |            | Unit | %      | ppm | ppm | %    | ppm | %      | ppm | %    | ppm   | ppm  | ppm  | ppm   | %   | ppm  | ppm   |         |
|        |            | MDL  | 0.001  | 1   | 1   | 0.01 | 1   | 0.001  | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.01  | 0.1 | 0.05 | 1     | 0.5     |
| 53457  | Drill Core |      | 0.057  | 12  | 1   | 0.05 | 102 | 0.002  | <20 | 0.34 | 0.034 | 0.32 | <0.1 | <0.01 | 0.5 | 0.1  | 0.06  | <1 <0.5 |
| 53458  | Drill Core |      | 0.058  | 11  | <1  | 0.05 | 90  | 0.002  | <20 | 0.31 | 0.030 | 0.29 | <0.1 | <0.01 | 0.5 | 0.1  | <0.05 | <1 <0.5 |
| 53459  | Drill Core |      | 0.055  | 11  | <1  | 0.07 | 105 | 0.004  | <20 | 0.35 | 0.021 | 0.36 | <0.1 | <0.01 | 0.4 | 0.1  | 0.05  | <1 <0.5 |
| 53460  | Drill Core |      | 0.055  | 12  | 2   | 0.06 | 107 | 0.009  | <20 | 0.48 | 0.034 | 0.41 | <0.1 | <0.01 | 0.3 | 0.2  | 0.17  | 1 <0.5  |
| 53461  | Drill Core |      | 0.048  | 17  | 1   | 0.05 | 104 | 0.007  | <20 | 0.40 | 0.027 | 0.37 | <0.1 | <0.01 | 0.2 | 0.2  | 0.14  | <1 <0.5 |
| 53462  | Drill Core |      | 0.050  | 17  | <1  | 0.05 | 95  | 0.005  | <20 | 0.40 | 0.035 | 0.31 | <0.1 | <0.01 | 0.3 | 0.1  | <0.05 | <1 <0.5 |
| 53463  | Drill Core |      | 0.050  | 11  | <1  | 0.04 | 120 | 0.006  | <20 | 0.50 | 0.035 | 0.41 | <0.1 | <0.01 | 0.3 | 0.2  | 0.24  | 1 <0.5  |
| 53464  | Drill Core |      | 0.049  | 12  | <1  | 0.05 | 117 | 0.004  | <20 | 0.43 | 0.040 | 0.33 | <0.1 | <0.01 | 0.4 | 0.1  | <0.05 | 1 <0.5  |
| 53465  | Drill Core |      | 0.046  | 10  | 1   | 0.05 | 105 | 0.003  | <20 | 0.42 | 0.047 | 0.32 | <0.1 | <0.01 | 0.5 | 0.1  | 0.08  | 1 <0.5  |
| 53466  | Drill Core |      | 0.051  | 10  | <1  | 0.07 | 123 | 0.002  | <20 | 0.55 | 0.045 | 0.42 | <0.1 | <0.01 | 0.3 | 0.2  | 0.21  | 1 <0.5  |
| 53467  | Drill Core |      | 0.055  | 11  | 2   | 0.07 | 105 | <0.001 | <20 | 0.46 | 0.049 | 0.40 | <0.1 | <0.01 | 0.5 | 0.1  | 0.20  | 1 <0.5  |
| 53468  | Drill Core |      | 0.056  | 12  | 1   | 0.06 | 124 | 0.001  | <20 | 0.48 | 0.053 | 0.44 | <0.1 | <0.01 | 0.3 | 0.2  | 0.13  | 1 <0.5  |
| 53469  | Drill Core |      | 0.048  | 10  | 2   | 0.06 | 90  | <0.001 | <20 | 0.44 | 0.046 | 0.36 | <0.1 | <0.01 | 0.5 | 0.1  | 0.12  | <1 <0.5 |
| 53470  | Drill Core |      | 0.058  | 11  | 1   | 0.05 | 77  | <0.001 | <20 | 0.40 | 0.060 | 0.34 | <0.1 | 0.01  | 0.6 | 0.1  | 0.12  | 1 <0.5  |
| 53471  | Drill Core |      | 0.061  | 13  | 1   | 0.08 | 108 | 0.002  | <20 | 0.49 | 0.042 | 0.42 | <0.1 | <0.01 | 0.6 | 0.2  | 0.09  | 1 <0.5  |
| 53472  | Drill Core |      | 0.057  | 12  | 1   | 0.04 | 136 | 0.006  | <20 | 0.44 | 0.044 | 0.44 | <0.1 | <0.01 | 0.5 | 0.1  | 0.08  | 1 <0.5  |
| 53473  | Drill Core |      | 0.055  | 10  | 1   | 0.06 | 126 | 0.002  | <20 | 0.45 | 0.040 | 0.46 | 1.0  | <0.01 | 0.4 | 0.1  | 0.07  | 1 <0.5  |
| 53474  | Drill Core |      | 0.058  | 10  | <1  | 0.06 | 147 | 0.002  | <20 | 0.54 | 0.044 | 0.50 | <0.1 | <0.01 | 0.4 | 0.2  | 0.25  | 1 <0.5  |
| 53475  | Drill Core |      | 0.059  | 15  | 2   | 0.06 | 141 | 0.003  | <20 | 0.55 | 0.043 | 0.47 | <0.1 | <0.01 | 0.4 | 0.2  | 0.05  | 1 <0.5  |
| 53476  | Drill Core |      | 0.059  | 13  | 2   | 0.05 | 110 | 0.011  | <20 | 0.46 | 0.045 | 0.36 | <0.1 | <0.01 | 0.4 | 0.2  | <0.05 | 1 <0.5  |
| 53477  | Drill Core |      | 0.050  | 14  | 2   | 0.04 | 112 | 0.007  | <20 | 0.44 | 0.046 | 0.34 | <0.1 | <0.01 | 0.3 | 0.1  | <0.05 | 1 <0.5  |
| 53478  | Drill Core |      | 0.043  | 12  | <1  | 0.04 | 110 | 0.003  | <20 | 0.44 | 0.032 | 0.31 | <0.1 | <0.01 | 0.3 | 0.1  | 0.06  | <1 <0.5 |
| 53479  | Drill Core |      | 0.008  | 25  | 8   | 0.06 | 62  | 0.001  | <20 | 0.50 | 0.006 | 0.27 | <0.1 | <0.01 | 2.5 | <0.1 | 0.26  | <1 <0.5 |
| 53480  | Drill Core |      | 0.002  | 12  | 5   | 0.02 | 33  | <0.001 | <20 | 0.30 | 0.005 | 0.24 | <0.1 | <0.01 | 3.1 | <0.1 | 0.11  | <1 <0.5 |
| 53481  | Drill Core |      | 0.007  | 39  | 5   | 0.02 | 28  | <0.001 | <20 | 0.27 | 0.005 | 0.21 | <0.1 | <0.01 | 1.6 | <0.1 | 0.08  | <1 <0.5 |
| 53482  | Drill Core |      | 0.001  | 7   | 5   | 0.02 | 24  | <0.001 | <20 | 0.31 | 0.005 | 0.24 | <0.1 | <0.01 | 1.2 | <0.1 | 0.29  | <1 <0.5 |
| 53483  | Drill Core |      | <0.001 | 4   | 5   | 0.02 | 27  | <0.001 | <20 | 0.35 | 0.006 | 0.27 | <0.1 | <0.01 | 1.2 | <0.1 | 0.39  | <1 <0.5 |
| 53484  | Drill Core |      | 0.001  | 7   | 4   | 0.02 | 22  | <0.001 | <20 | 0.31 | 0.006 | 0.24 | <0.1 | <0.01 | 1.3 | <0.1 | 1.04  | <1 <0.5 |
| 53485  | Drill Core |      | 0.002  | 13  | 4   | 0.02 | 18  | <0.001 | <20 | 0.27 | 0.004 | 0.21 | <0.1 | <0.01 | 1.3 | <0.1 | 0.92  | <1 <0.5 |
| 53486  | Drill Core |      | 0.003  | 13  | 4   | 0.02 | 21  | <0.001 | <20 | 0.31 | 0.005 | 0.24 | 0.1  | <0.01 | 3.7 | <0.1 | 0.80  | <1 <0.5 |

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Calgary AB T2R 1H6 Canada

Project:

Z08-1

Report Date:

July 16, 2008

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Part 1

| Method | Analyte    | Unit | WGHT | 1DX | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX | 1DX   | 1DX  | 1DX | 1DX  | 1DX  | 1DX  |          |
|--------|------------|------|------|-----|------|-------|-----|------|------|------|-----|------|------|-----|-------|------|-----|------|------|------|----------|
|        |            |      | Wgt  | Mo  | Cu   | Pb    | Zn  | Ag   | Ni   | Co   | Mn  | Fe   | As   | U   | Au    | Th   | Sr  | Cd   | Sb   | V    | Ca       |
|        |            |      | kg   | ppm | ppm  | ppm   | ppm | ppm  | ppm  | ppm  | ppm | %    | ppm  | ppm | ppb   | ppm  | ppm | ppm  | ppm  | ppm  | %        |
|        |            | MDL  | 0.01 | 0.1 | 0.1  | 0.1   | 1   | 0.1  | 0.1  | 0.1  | 1   | 0.01 | 0.6  | 0.1 | 0.5   | 0.1  | 0.1 | 0.1  | 0.1  | 2    | 0.01     |
| 53487  | Drill Core |      | 1.56 | 3.0 | 9.1  | 5.2   | 3   | <0.1 | 17.9 | 34.8 | 13  | 0.75 | 15.5 | 1.1 | 10.8  | 8.6  | 5   | <0.1 | 0.1  | 0.7  | <2 <0.01 |
| 53488  | Drill Core |      | 2.82 | 1.2 | 26.3 | 179.6 | 180 | 1.1  | 13.0 | 26.9 | 535 | 1.91 | 17.3 | 2.0 | 35.4  | 10.8 | 14  | 3.2  | 0.3  | 0.8  | <2 <0.09 |
| 53489  | Drill Core |      | 1.77 | 4.0 | 39.9 | 5.5   | 3   | <0.1 | 24.2 | 25.2 | 10  | 0.56 | 21.9 | 1.0 | 10.0  | 8.3  | 4   | <0.1 | 0.2  | 0.4  | <2 <0.01 |
| 53490  | Drill Core |      | 1.82 | 2.6 | 7.7  | 18.3  | 5   | <0.1 | 16.0 | 28.0 | 15  | 0.68 | 14.5 | 1.1 | 125.7 | 9.0  | 5   | <0.1 | 0.1  | 0.6  | <2 <0.01 |
| 53491  | Drill Core |      | 1.75 | 1.2 | 3.3  | 141.7 | 31  | 0.7  | 11.8 | 21.5 | 15  | 0.66 | 10.4 | 1.1 | 106.4 | 9.7  | 4   | 0.5  | 0.2  | 0.6  | <2 <0.01 |
| 53492  | Drill Core |      | 2.10 | 3.1 | 3.7  | 42.3  | 2   | 0.3  | 15.5 | 24.2 | 12  | 0.74 | 7.6  | 1.2 | 61.5  | 8.7  | 11  | <0.1 | 0.2  | 0.7  | <2 <0.01 |
| 53493  | Drill Core |      | 1.57 | 0.8 | 3.3  | 7.3   | 4   | <0.1 | 7.5  | 7.0  | 26  | 0.37 | 3.1  | 0.5 | 1.3   | 7.0  | 9   | <0.1 | <0.1 | 0.1  | <2 <0.01 |
| 53494  | Drill Core |      | 1.88 | 1.0 | 4.1  | 5.9   | 3   | <0.1 | 5.1  | 6.2  | 18  | 0.43 | 3.6  | 0.7 | 6.3   | 8.7  | 2   | <0.1 | <0.1 | 0.2  | <2 <0.01 |
| 53495  | Drill Core |      | 1.86 | 0.6 | 1.4  | 9.2   | 3   | <0.1 | 4.8  | 5.0  | 9   | 0.22 | 2.1  | 0.8 | 2.7   | 12.4 | 6   | <0.1 | <0.1 | 0.1  | 4 <0.01  |
| 53496  | Drill Core |      | 1.94 | 2.5 | 2.9  | 75.7  | 33  | 0.2  | 8.9  | 5.7  | 27  | 0.43 | 4.5  | 0.7 | 29.7  | 4.7  | 7   | 0.6  | <0.1 | 0.1  | 3 <0.01  |
| 53497  | Drill Core |      | 2.13 | 1.0 | 1.9  | 14.9  | 2   | <0.1 | 7.2  | 6.6  | 14  | 0.30 | 2.9  | 0.8 | 1.0   | 7.9  | 5   | <0.1 | <0.1 | 0.2  | 3 <0.01  |
| 53498  | Drill Core |      | 1.76 | 1.1 | 1.7  | 3.0   | 2   | <0.1 | 8.8  | 8.8  | 13  | 0.30 | 5.3  | 0.7 | <0.5  | 8.4  | 6   | <0.1 | <0.1 | 0.2  | 4 <0.01  |
| 53499  | Drill Core |      | 1.71 | 0.3 | 2.3  | 2.8   | 2   | <0.1 | 6.7  | 10.8 | 14  | 0.33 | 4.7  | 0.4 | <0.5  | 7.8  | 7   | <0.1 | <0.1 | 0.3  | 3 <0.01  |
| 53500  | Drill Core |      | 2.03 | 0.7 | 2.3  | 3.1   | 4   | <0.1 | 8.5  | 11.3 | 8   | 0.35 | 8.4  | 0.9 | <0.5  | 12.3 | 14  | <0.1 | <0.1 | 0.3  | 4 <0.01  |
| 53501  | Drill Core |      | 1.79 | 0.7 | 2.4  | 8.6   | 2   | <0.1 | 7.4  | 6.9  | 12  | 0.38 | 3.8  | 0.6 | 2.5   | 8.0  | 12  | <0.1 | <0.1 | 0.3  | 3 <0.01  |
| 53502  | Drill Core |      | 1.84 | 1.4 | 2.2  | 12.1  | 5   | <0.1 | 13.8 | 7.9  | 12  | 0.45 | 4.7  | 0.9 | <0.5  | 8.6  | 4   | <0.1 | <0.1 | 0.6  | 4 <0.01  |
| 53503  | Drill Core |      | 1.85 | 1.0 | 4.7  | 262.3 | 4   | 6.9  | 4.7  | 5.9  | 10  | 0.29 | 3.6  | 0.7 | 1794  | 12.0 | 5   | <0.1 | <0.1 | 0.3  | 4 <0.01  |
| 53504  | Drill Core |      | 2.25 | 0.5 | 6.2  | 5.1   | 7   | 1.0  | 9.7  | 5.2  | 9   | 0.37 | 4.2  | 0.9 | 281.9 | 7.9  | 2   | <0.1 | <0.1 | 0.2  | 3 <0.01  |
| 53505  | Drill Core |      | 2.08 | 1.4 | 54.9 | 102.2 | 8   | 1.4  | 10.3 | 6.2  | 22  | 0.64 | 6.5  | 0.6 | 728.9 | 5.1  | 1   | 0.1  | <0.1 | 0.5  | 3 0.02   |
| 53506  | Drill Core |      | 1.67 | 0.5 | 2.5  | 3.8   | 22  | 0.1  | 13.8 | 5.6  | 507 | 2.07 | 3.6  | 1.3 | 7.6   | 7.1  | 2   | <0.1 | <0.1 | 0.1  | 6 0.08   |
| 53507  | Drill Core |      | 1.92 | 0.5 | 1.6  | 3.3   | 9   | <0.1 | 10.0 | 4.3  | 787 | 2.70 | 2.4  | 1.1 | 6.3   | 7.4  | 13  | <0.1 | <0.1 | <0.1 | 5 1.15   |
| 53508  | Drill Core |      | 1.93 | 0.3 | 2.6  | 2.8   | 12  | <0.1 | 15.6 | 5.7  | 311 | 1.88 | 2.7  | 0.9 | <0.5  | 10.3 | 18  | <0.1 | <0.1 | 0.2  | 7 1.70   |
| 53509  | Drill Core |      | 1.89 | 0.4 | 35.9 | 1.8   | 10  | <0.1 | 13.8 | 7.1  | 178 | 1.60 | 2.2  | 1.0 | <0.5  | 9.8  | 9   | <0.1 | <0.1 | 0.1  | 8 0.84   |
| 53510  | Drill Core |      | 2.12 | 0.3 | 34.2 | 2.5   | 11  | <0.1 | 18.5 | 19.0 | 388 | 2.56 | 5.4  | 1.2 | <0.5  | 6.7  | 26  | <0.1 | <0.1 | 0.5  | 4 2.96   |
| 53511  | Drill Core |      | 1.91 | 0.4 | 4.4  | 2.8   | 11  | <0.1 | 18.8 | 14.1 | 211 | 2.21 | 6.0  | 1.2 | 0.9   | 6.5  | 12  | <0.1 | <0.1 | 0.7  | 8 1.04   |
| 53512  | Drill Core |      | 2.61 | 1.2 | 30.8 | 3.4   | 7   | <0.1 | 18.8 | 18.1 | 207 | 1.94 | 6.7  | 1.2 | 2.0   | 8.6  | 18  | <0.1 | <0.1 | 0.7  | 4 1.25   |
| 53513  | Drill Core |      | 1.91 | 0.4 | 3.5  | 4.1   | 10  | <0.1 | 15.2 | 14.6 | 252 | 2.39 | 5.3  | 1.2 | <0.5  | 6.4  | 19  | <0.1 | <0.1 | 0.9  | 11 1.37  |
| 53514  | Drill Core |      | 2.03 | 0.4 | 2.5  | 2.2   | 12  | <0.1 | 15.3 | 5.6  | 191 | 2.00 | 2.5  | 1.5 | <0.5  | 8.5  | 12  | 0.2  | <0.1 | 0.2  | 10 0.92  |
| 53515  | Drill Core |      | 1.76 | 0.5 | 3.4  | 2.0   | 8   | <0.1 | 16.1 | 11.4 | 195 | 1.79 | 4.9  | 1.2 | <0.5  | 6.8  | 18  | <0.1 | <0.1 | 0.4  | 6 1.10   |
| 53516  | Drill Core |      | 1.24 | 1.5 | 3.9  | 6.6   | 14  | <0.1 | 21.2 | 23.6 | 328 | 2.75 | 11.5 | 1.2 | 0.5   | 7.4  | 31  | <0.1 | 0.1  | 0.6  | 9 1.79   |

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Project:

Z08-1

Report Date:

July 16, 2008

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| Method  | 1DX        | 1DX    | 1DX | 1DX  | 1DX  | 1DX   | 1DX    | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX |      |
|---------|------------|--------|-----|------|------|-------|--------|------|-------|-------|------|------|-------|-----|------|------|-----|------|
|         | P          | La     | Cr  | Mg   | Ba   | Tl    | B      | Al   | Na    | K     | W    | Hg   | Sc    | Tl  | S    | Ga   | Se  |      |
| Analyte | %          | ppm    | ppm | %    | ppm  | %     | ppm    | %    | %     | ppm   | ppm  | ppm  | ppm   | ppm | %    | ppm  | ppm |      |
| Unit    |            |        |     |      |      |       |        |      |       |       |      |      |       |     |      |      |     |      |
| MDL     | 0.001      | 1      | 1   | 0.01 | 1    | 0.001 | 20     | 0.01 | 0.001 | 0.01  | 0.1  | 0.01 | 0.1   | 0.1 | 0.05 | 1    | 0.5 |      |
| 53487   | Drill Core | 0.001  | 2   | 4    | 0.02 | 19    | <0.001 | <20  | 0.29  | 0.005 | 0.23 | <0.1 | <0.01 | 1.5 | <0.1 | 0.77 | <1  | <0.5 |
| 53488   | Drill Core | 0.020  | 6   | 3    | 0.06 | 52    | <0.001 | <20  | 0.34  | 0.014 | 0.29 | 3.1  | <0.01 | 0.9 | <0.1 | 0.73 | <1  | <0.5 |
| 53489   | Drill Core | 0.001  | 3   | 3    | 0.02 | 19    | <0.001 | <20  | 0.26  | 0.004 | 0.21 | <0.1 | 0.05  | 1.5 | <0.1 | 0.56 | <1  | <0.5 |
| 53490   | Drill Core | 0.002  | 5   | 4    | 0.02 | 21    | <0.001 | <20  | 0.29  | 0.005 | 0.23 | 0.1  | 0.08  | 1.0 | <0.1 | 0.71 | <1  | <0.5 |
| 53491   | Drill Core | 0.001  | 1   | 4    | 0.02 | 21    | <0.001 | <20  | 0.26  | 0.004 | 0.20 | 0.2  | 0.06  | 1.4 | <0.1 | 0.65 | <1  | <0.5 |
| 53492   | Drill Core | 0.002  | 4   | 4    | 0.02 | 28    | <0.001 | <20  | 0.36  | 0.006 | 0.27 | <0.1 | <0.01 | 0.5 | <0.1 | 0.76 | <1  | <0.5 |
| 53493   | Drill Core | 0.002  | 8   | 9    | 0.01 | 15    | <0.001 | <20  | 0.19  | 0.004 | 0.15 | 0.1  | <0.01 | 0.9 | <0.1 | 0.20 | <1  | <0.5 |
| 53494   | Drill Core | <0.001 | 2   | 7    | 0.01 | 20    | <0.001 | <20  | 0.26  | 0.005 | 0.19 | <0.1 | <0.01 | 0.5 | <0.1 | 0.33 | <1  | <0.5 |
| 53495   | Drill Core | 0.001  | 6   | 4    | 0.02 | 26    | <0.001 | <20  | 0.29  | 0.005 | 0.26 | <0.1 | <0.01 | 1.0 | <0.1 | 0.16 | <1  | <0.5 |
| 53496   | Drill Core | 0.001  | 1   | 8    | 0.01 | 18    | <0.001 | <20  | 0.20  | 0.004 | 0.17 | 0.1  | <0.01 | 0.7 | <0.1 | 0.24 | <1  | <0.5 |
| 53497   | Drill Core | 0.002  | 8   | 6    | 0.02 | 20    | <0.001 | <20  | 0.27  | 0.005 | 0.23 | 0.1  | <0.01 | 1.4 | <0.1 | 0.20 | <1  | <0.5 |
| 53498   | Drill Core | <0.001 | 7   | 6    | 0.02 | 23    | <0.001 | <20  | 0.30  | 0.006 | 0.26 | <0.1 | <0.01 | 1.0 | <0.1 | 0.21 | <1  | <0.5 |
| 53499   | Drill Core | 0.001  | 3   | 4    | 0.01 | 20    | <0.001 | <20  | 0.25  | 0.006 | 0.22 | <0.1 | <0.01 | 1.0 | <0.1 | 0.25 | <1  | <0.5 |
| 53500   | Drill Core | 0.001  | 4   | 3    | 0.02 | 28    | <0.001 | <20  | 0.34  | 0.008 | 0.28 | <0.1 | <0.01 | 1.5 | <0.1 | 0.32 | <1  | <0.5 |
| 53501   | Drill Core | 0.001  | 7   | 4    | 0.02 | 23    | <0.001 | <20  | 0.31  | 0.006 | 0.26 | <0.1 | <0.01 | 1.2 | <0.1 | 0.30 | <1  | <0.5 |
| 53502   | Drill Core | 0.001  | 3   | 5    | 0.02 | 21    | <0.001 | <20  | 0.27  | 0.005 | 0.24 | <0.1 | <0.01 | 1.0 | <0.1 | 0.39 | <1  | <0.5 |
| 53503   | Drill Core | 0.002  | 4   | 4    | 0.02 | 25    | <0.001 | <20  | 0.31  | 0.006 | 0.26 | <0.1 | <0.01 | 0.8 | <0.1 | 0.23 | <1  | <0.5 |
| 53504   | Drill Core | 0.001  | 10  | 4    | 0.02 | 23    | <0.001 | <20  | 0.31  | 0.006 | 0.26 | <0.1 | <0.01 | 1.4 | <0.1 | 0.32 | <1  | <0.5 |
| 53505   | Drill Core | 0.006  | 5   | 6    | 0.02 | 19    | <0.001 | <20  | 0.22  | 0.005 | 0.19 | 0.2  | <0.01 | 0.9 | <0.1 | 0.53 | <1  | 0.7  |
| 53506   | Drill Core | 0.019  | 15  | 6    | 0.50 | 20    | 0.001  | <20  | 0.80  | 0.006 | 0.24 | <0.1 | <0.01 | 1.3 | <0.1 | 0.15 | 2   | <0.5 |
| 53507   | Drill Core | 0.022  | 5   | 5    | 0.95 | 19    | <0.001 | <20  | 0.64  | 0.007 | 0.23 | <0.1 | <0.01 | 2.0 | <0.1 | 0.11 | 1   | <0.5 |
| 53508   | Drill Core | 0.027  | 7   | 8    | 1.40 | 16    | 0.001  | <20  | 0.98  | 0.006 | 0.20 | <0.1 | <0.01 | 2.0 | <0.1 | 0.15 | 2   | <0.5 |
| 53509   | Drill Core | 0.018  | 6   | 7    | 1.00 | 18    | <0.001 | <20  | 1.00  | 0.006 | 0.21 | <0.1 | <0.01 | 1.6 | <0.1 | 0.18 | 2   | <0.5 |
| 53510   | Drill Core | 0.007  | 3   | 9    | 2.35 | 12    | <0.001 | <20  | 1.22  | 0.007 | 0.19 | <0.1 | <0.01 | 2.4 | <0.1 | 0.72 | 2   | <0.5 |
| 53511   | Drill Core | 0.016  | 4   | 10   | 1.37 | 13    | <0.001 | <20  | 1.05  | 0.006 | 0.17 | <0.1 | <0.01 | 1.4 | <0.1 | 0.49 | 2   | <0.5 |
| 53512   | Drill Core | 0.015  | 5   | 11   | 1.13 | 10    | <0.001 | <20  | 0.72  | 0.021 | 0.15 | <0.1 | <0.01 | 1.2 | <0.1 | 0.71 | 2   | <0.5 |
| 53513   | Drill Core | 0.031  | 5   | 13   | 1.25 | 10    | 0.001  | <20  | 1.02  | 0.024 | 0.13 | <0.1 | <0.01 | 2.1 | <0.1 | 0.65 | 3   | <0.5 |
| 53514   | Drill Core | 0.022  | 7   | 9    | 1.20 | 15    | 0.001  | <20  | 1.21  | 0.007 | 0.20 | <0.1 | <0.01 | 1.4 | <0.1 | 0.17 | 3   | 0.8  |
| 53515   | Drill Core | 0.020  | 6   | 8    | 1.09 | 12    | <0.001 | <20  | 0.76  | 0.008 | 0.18 | <0.1 | <0.01 | 1.5 | <0.1 | 0.46 | 2   | <0.5 |
| 53516   | Drill Core | 0.037  | 3   | 14   | 1.46 | 13    | 0.001  | <20  | 0.88  | 0.024 | 0.15 | <0.1 | <0.01 | 2.5 | <0.1 | 0.82 | 3   | <0.5 |

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207 - 239 - 12th Ave S.W.  
Calgary AB T2R 1H6 Canada

Project: Z08-1

Report Date: July 16, 2008

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| Method | WGHT       | 1DX  | 1DX | 1DX | 1DX | 1DX | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX |      |      |
|--------|------------|------|-----|-----|-----|-----|------|------|------|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
|        | Analyte    | Wgt  | Mo  | Cu  | Pb  | Zn  | Ag   | Ni   | Co   | Mn  | Fe   | As   | U   | Au   | Th   | Sr  | Cd   | Sb   | Bi  | V    | Ca   |
| Unit   | kg         | ppm  | ppm | ppm | ppm | ppm | ppm  | ppm  | ppm  | ppm | %    | ppm  | ppm | ppb  | ppm  | ppm | ppm  | ppm  | ppm | %    |      |
| MDL    |            | 0.01 | 0.1 | 0.1 | 0.1 | 1   | 0.1  | 0.1  | 0.1  | 1   | 0.01 | 0.6  | 0.1 | 0.6  | 0.1  | 1   | 0.1  | 0.1  | 2   | 0.01 |      |
| 53517  | Drill Core | 1.86 | 2.0 | 2.6 | 3.4 | 19  | <0.1 | 26.4 | 18.2 | 258 | 3.29 | 10.6 | 1.1 | 0.7  | 7.0  | 18  | <0.1 | 0.1  | 0.5 | 17   | 1.28 |
| 53518  | Drill Core | 2.06 | 1.0 | 3.1 | 2.2 | 11  | <0.1 | 15.3 | 8.0  | 275 | 2.01 | 6.1  | 1.2 | 1.4  | 7.9  | 23  | <0.1 | <0.1 | 0.4 | 6    | 1.17 |
| 53519  | Drill Core | 2.01 | 1.2 | 3.0 | 2.2 | 16  | <0.1 | 18.2 | 7.0  | 286 | 2.44 | 3.8  | 1.2 | <0.5 | 7.0  | 19  | <0.1 | <0.1 | 0.3 | 12   | 1.47 |
| 53520  | Drill Core | 2.04 | 0.5 | 4.5 | 1.9 | 5   | <0.1 | 8.7  | 5.3  | 188 | 1.20 | 4.1  | 0.7 | <0.5 | 4.6  | 13  | <0.1 | <0.1 | 0.2 | 4    | 0.95 |
| 53521  | Drill Core | 2.92 | 0.7 | 1.9 | 1.8 | 8   | <0.1 | 12.0 | 5.1  | 210 | 1.61 | 2.3  | 1.5 | <0.5 | 10.3 | 17  | <0.1 | <0.1 | 0.2 | 11   | 0.89 |
| 53522  | Drill Core | 1.80 | 0.3 | 1.8 | 1.2 | 5   | <0.1 | 8.2  | 4.3  | 294 | 1.24 | 1.1  | 1.5 | 3.0  | 9.6  | 22  | <0.1 | <0.1 | 0.1 | 12   | 1.67 |
| 53523  | Drill Core | 1.62 | 0.2 | 1.7 | 1.2 | 5   | <0.1 | 10.1 | 7.5  | 422 | 1.68 | 2.3  | 0.6 | <0.5 | 6.3  | 30  | <0.1 | <0.1 | 0.2 | 12   | 2.68 |
| 53524  | Drill Core | 1.40 | 0.5 | 1.6 | 1.7 | 4   | <0.1 | 15.3 | 12.4 | 370 | 1.54 | 2.1  | 0.3 | 2.1  | 4.0  | 25  | <0.1 | <0.1 | 0.4 | 9    | 2.46 |
| 53525  | Drill Core | 1.64 | 0.2 | 0.9 | 1.1 | 2   | <0.1 | 4.2  | 2.1  | 349 | 0.90 | <0.5 | 0.4 | 1.8  | 6.0  | 23  | <0.1 | <0.1 | 0.1 | 5    | 2.24 |
| 53526  | Drill Core | 1.85 | 0.4 | 4.9 | 1.9 | 7   | <0.1 | 14.3 | 7.8  | 303 | 1.84 | 3.5  | 0.9 | 2.1  | 13.7 | 19  | <0.1 | <0.1 | 0.3 | 34   | 1.76 |
| 53527  | Drill Core | 1.86 | 1.3 | 3.1 | 2.6 | 11  | <0.1 | 18.9 | 16.3 | 468 | 2.86 | 12.8 | 0.9 | 3.7  | 6.5  | 30  | <0.1 | 0.2  | 0.7 | 10   | 2.57 |

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Project: Z08-1

Report Date: July 16, 2008

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| Method  | 1DX        | 1DX    | 1DX | 1DX  | 1DX  | 1DX   | 1DX    | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX |      |
|---------|------------|--------|-----|------|------|-------|--------|------|-------|-------|------|------|-------|-----|------|------|-----|------|
|         | P          | La     | Cr  | Mg   | Ba   | Tl    | B      | Al   | Na    | K     | W    | Hg   | Sc    | Tl  | S    | Ga   | Se  |      |
| Analyte | %          | ppm    | ppm | %    | ppm  | %     | ppm    | %    | %     | ppm   | ppm  | ppm  | ppm   | ppm | %    | ppm  | ppm |      |
| Unit    |            |        |     |      |      |       |        |      |       |       |      |      |       |     |      |      |     |      |
| MDL     | 0.001      | 1      | 1   | 0.01 | 1    | 0.001 | 20     | 0.01 | 0.001 | 0.01  | 0.1  | 0.01 | 0.1   | 0.1 | 0.05 | 1    | 0.5 |      |
| 53517   | Drill Core | 0.038  | 5   | 23   | 1.75 | 10    | 0.002  | <20  | 1.58  | 0.037 | 0.12 | <0.1 | <0.01 | 2.8 | <0.1 | 0.60 | 5   | <0.5 |
| 53518   | Drill Core | 0.032  | 4   | 8    | 1.05 | 13    | <0.001 | <20  | 0.60  | 0.020 | 0.13 | <0.1 | <0.01 | 1.7 | <0.1 | 0.33 | 2   | 0.6  |
| 53519   | Drill Core | 0.041  | 7   | 14   | 1.48 | 10    | 0.001  | <20  | 1.15  | 0.024 | 0.12 | <0.1 | <0.01 | 2.2 | <0.1 | 0.24 | 4   | <0.5 |
| 53520   | Drill Core | 0.013  | 6   | 9    | 0.71 | 8     | <0.001 | <20  | 0.42  | 0.027 | 0.08 | <0.1 | <0.01 | 1.1 | <0.1 | 0.17 | 1   | 0.8  |
| 53521   | Drill Core | 0.018  | 6   | 11   | 0.84 | 15    | <0.001 | <20  | 0.53  | 0.017 | 0.17 | <0.1 | <0.01 | 1.6 | <0.1 | 0.21 | 2   | <0.5 |
| 53522   | Drill Core | 0.006  | 3   | 13   | 0.99 | 4     | <0.001 | <20  | 0.32  | 0.058 | 0.05 | <0.1 | <0.01 | 2.1 | <0.1 | 0.18 | 1   | 0.7  |
| 53523   | Drill Core | 0.004  | 3   | 13   | 1.54 | 6     | <0.001 | <20  | 0.43  | 0.059 | 0.08 | <0.1 | <0.01 | 3.7 | <0.1 | 0.26 | 2   | 0.8  |
| 53524   | Drill Core | <0.001 | 1   | 11   | 1.37 | 4     | <0.001 | <20  | 0.38  | 0.061 | 0.05 | <0.1 | <0.01 | 2.7 | <0.1 | 0.45 | 1   | <0.5 |
| 53525   | Drill Core | 0.002  | 8   | 8    | 1.19 | 2     | <0.001 | <20  | 0.17  | 0.084 | 0.03 | <0.1 | <0.01 | 3.1 | <0.1 | 0.11 | <1  | <0.5 |
| 53526   | Drill Core | 0.006  | 2   | 15   | 1.32 | 9     | 0.001  | <20  | 0.72  | 0.051 | 0.11 | <0.1 | <0.01 | 4.7 | <0.1 | 0.35 | 2   | <0.5 |
| 53527   | Drill Core | 0.041  | 2   | 13   | 1.89 | 14    | <0.001 | <20  | 0.53  | 0.045 | 0.13 | <0.1 | <0.01 | 2.9 | <0.1 | 0.64 | 1   | <0.5 |

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Part 1

| Method                        | Analyte    | WGHT | 1DX   | 1DX   | 1DX   | 1DX  | 1DX   | 1DX   | 1DX   | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX   | 1DX   | 1DX | V   | Ca   |  |
|-------------------------------|------------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|------|------|------|------|------|------|------|-------|-------|-----|-----|------|--|
|                               |            | Wgt  | Mo    | Cu    | Pb    | Zn   | Ag    | Ni    | Co    | Mn   | Fe    | As    | U    | Au   | Th   | Sr   | Cd   | Sb   | Bi   |       |       |     |     | %    |  |
| Unit                          |            | kg   | ppm   | ppm   | ppm   | ppm  | ppm   | ppm   | ppm   | ppm  | %     | ppm   | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm | %    |  |
| MDL                           |            | 0.01 | 0.1   | 0.1   | 0.1   | 1    | 0.1   | 0.1   | 0.1   | 1    | 0.01  | 0.6   | 0.1  | 0.6  | 0.1  | 1    | 0.1  | 0.1  | 0.1  | 1     | 0.1   | 0.1 | 2   | 0.01 |  |
| <b>Pulp Duplicates</b>        |            |      |       |       |       |      |       |       |       |      |       |       |      |      |      |      |      |      |      |       |       |     |     |      |  |
| 52426                         | Drill Core | 1.52 | 0.3   | 328.2 | 409.8 | 9    | 1.3   | 2.8   | 3.4   | 466  | 2.36  | 5599  | 2.8  | 2426 | 4.4  | 15   | 0.1  | 0.9  | 1.5  | <2    | 0.14  |     |     |      |  |
| REP 52426                     | QC         | 0.2  | 321.5 | 432.6 | 8     | 1.1  | 2.8   | 3.4   | 476   | 2.38 | 5643  | 2.8   | 1075 | 4.8  | 16   | <0.1 | 1.0  | 1.6  | 2    | 0.15  |       |     |     |      |  |
| 52486                         | Drill Core | 1.81 | 0.8   | 15.2  | 6.8   | 3    | <0.1  | 108.0 | 299.5 | 17   | 5.85  | 53.9  | 1.7  | 18.4 | 2.3  | 65   | <0.1 | 0.6  | 8.1  | 3     | 0.36  |     |     |      |  |
| REP 52486                     | QC         | 0.8  | 16.0  | 6.6   | 2     | <0.1 | 111.0 | 303.6 | 17    | 6.04 | 55.7  | 1.8   | 19.3 | 2.3  | 64   | <0.1 | 0.6  | 8.0  | 3    | 0.37  |       |     |     |      |  |
| 52498                         | Drill Core | 1.95 | 1.2   | 3.8   | 1.9   | <1   | <0.1  | 14.9  | 68.3  | 20   | 2.40  | 26.1  | 3.2  | 3.2  | 3.5  | 8    | <0.1 | 0.1  | 2.1  | <2    | 0.01  |     |     |      |  |
| REP 52498                     | QC         | 1.2  | 3.3   | 1.7   | <1    | <0.1 | 14.4  | 65.5  | 20    | 2.38 | 25.8  | 2.8   | 2.8  | 3.5  | 8    | <0.1 | 0.1  | 2.0  | <2   | 0.01  |       |     |     |      |  |
| 53353                         | Drill Core | 1.98 | 0.4   | 1.2   | 0.8   | 7    | <0.1  | 6.5   | 10.9  | 324  | 2.05  | 9.3   | 1.3  | <0.5 | 8.3  | 3    | <0.1 | <0.1 | 0.3  | 3     | 0.03  |     |     |      |  |
| REP 53353                     | QC         | 0.6  | 1.5   | 1.0   | 8     | <0.1 | 7.7   | 12.4  | 394   | 2.45 | 12.0  | 1.6   | <0.5 | 9.7  | 3    | <0.1 | <0.1 | 0.3  | 3    | 0.03  |       |     |     |      |  |
| 53382                         | Drill Core | 2.13 | 1.0   | 11.1  | 4.4   | <1   | <0.1  | 22.2  | 148.4 | 18   | 5.10  | 72.3  | 5.2  | 9.4  | 1.1  | 4    | <0.1 | 0.5  | 3.7  | <2    | 0.02  |     |     |      |  |
| REP 53382                     | QC         | 1.0  | 11.0  | 4.5   | <1    | <0.1 | 22.5  | 150.4 | 19    | 5.15 | 72.8  | 5.0   | 9.4  | 1.1  | 4    | <0.1 | 0.5  | 3.6  | <2   | 0.02  |       |     |     |      |  |
| 53406                         | Drill Core | 2.82 | 1.0   | 10.5  | 3.7   | 6    | <0.1  | 19.6  | 78.8  | 65   | 3.06  | 66.2  | 1.4  | 11.7 | 5.1  | 8    | <0.1 | 0.2  | 4.3  | 4     | 0.05  |     |     |      |  |
| REP 53406                     | QC         | 1.0  | 11.1  | 4.0   | 6     | <0.1 | 18.8  | 85.0  | 66    | 3.15 | 71.1  | 1.3   | 12.1 | 5.1  | 8    | <0.1 | 0.2  | 4.4  | 4    | 0.05  |       |     |     |      |  |
| 53436                         | Drill Core | 2.12 | 3.0   | 14.7  | 7.9   | 12   | <0.1  | 57.3  | 254.2 | 210  | 7.50  | 109.0 | 21.9 | 11.9 | 10.2 | 15   | <0.1 | 0.3  | 13.1 | 6     | 0.19  |     |     |      |  |
| REP 53436                     | QC         | 3.0  | 15.1  | 8.1   | 12    | <0.1 | 59.3  | 277.0 | 210   | 7.66 | 112.7 | 22.9  | 12.5 | 10.4 | 16   | <0.1 | 0.4  | 13.6 | 6    | 0.18  |       |     |     |      |  |
| 53476                         | Drill Core | 0.94 | <0.1  | 6.6   | 28.5  | 49   | <0.1  | 2.8   | 3.0   | 379  | 0.89  | 0.9   | 3.1  | <0.5 | 5.8  | 33   | <0.1 | <0.1 | 0.2  | 2     | 0.15  |     |     |      |  |
| REP 53476                     | QC         | <0.1 | 6.6   | 28.9  | 50    | <0.1 | 3.0   | 3.3   | 397   | 0.90 | 0.7   | 3.3   | <0.5 | 6.2  | 36   | 0.1  | <0.1 | 0.2  | <2   | 0.16  |       |     |     |      |  |
| 53513                         | Drill Core | 1.91 | 0.4   | 3.5   | 4.1   | 10   | <0.1  | 15.2  | 14.6  | 252  | 2.39  | 5.3   | 1.2  | <0.5 | 6.4  | 19   | <0.1 | <0.1 | 0.9  | 11    | 1.37  |     |     |      |  |
| REP 53513                     | QC         | 0.4  | 3.1   | 4.1   | 9     | <0.1 | 15.9  | 13.5  | 259   | 2.34 | 5.0   | 1.2   | <0.5 | 6.2  | 17   | <0.1 | 0.1  | 0.9  | 10   | 1.35  |       |     |     |      |  |
| <b>Core Reject Duplicates</b> |            |      |       |       |       |      |       |       |       |      |       |       |      |      |      |      |      |      |      |       |       |     |     |      |  |
| 52431                         | Drill Core | 1.95 | 0.8   | 20.0  | 23.3  | 1    | 0.4   | 30.1  | 170.4 | 36   | 3.62  | 49.7  | 8.9  | 41.6 | 1.2  | 10   | <0.1 | 0.5  | 5.4  | <2    | 0.11  |     |     |      |  |
| DUP 52431                     | QC         | 0.8  | 24.4  | 22.6  | 2     | 0.3  | 29.3  | 180.4 | 31    | 3.70 | 52.8  | 9.5   | 39.5 | 1.1  | 9    | <0.1 | 0.5  | 5.4  | <2   | 0.09  |       |     |     |      |  |
| 52466                         | Drill Core | 1.55 | 3.3   | 55.4  | 11.0  | 2    | 0.3   | 20.1  | 78.7  | 28   | 6.99  | 81.5  | 0.6  | 21.6 | 1.7  | 8    | <0.1 | 0.3  | 12.1 | <2    | <0.01 |     |     |      |  |
| DUP 52466                     | QC         | 3.3  | 56.7  | 11.3  | 2     | 0.3  | 21.5  | 76.3  | 30    | 6.84 | 87.4  | 0.6   | 21.7 | 1.7  | 9    | <0.1 | 0.2  | 11.8 | <2   | <0.01 |       |     |     |      |  |
| 53301                         | Drill Core | 1.81 | 1.0   | 2.5   | 1.4   | <1   | <0.1  | 13.8  | 70.2  | 15   | 1.92  | 15.6  | 5.7  | 2.3  | 4.6  | 8    | <0.1 | <0.1 | 1.4  | <2    | 0.02  |     |     |      |  |
| DUP 53301                     | QC         | 1.0  | 2.9   | 1.7   | <1    | <0.1 | 14.6  | 76.2  | 18    | 2.09 | 17.0  | 7.5   | 5.7  | 4.6  | 10   | <0.1 | <0.1 | 1.7  | <2   | 0.03  |       |     |     |      |  |
| 53340                         | Drill Core | 2.07 | 0.9   | 4.3   | 2.7   | 259  | <0.1  | 45.1  | 211.7 | 21   | 4.86  | 50.2  | 6.7  | 7.3  | 1.8  | 4    | <0.1 | 0.3  | 2.2  | <2    | 0.02  |     |     |      |  |
| DUP 53340                     | QC         | 0.6  | 5.4   | 3.1   | <1    | <0.1 | 51.8  | 245.2 | 18    | 5.59 | 59.0  | 7.0   | 7.5  | 1.2  | 4    | <0.1 | 0.4  | 2.8  | <2   | 0.02  |       |     |     |      |  |
| 53375                         | Drill Core | 1.94 | 1.7   | 2.9   | 2.7   | 5    | <0.1  | 14.2  | 68.5  | 43   | 2.68  | 15.7  | 2.3  | <0.5 | 8.4  | 3    | <0.1 | <0.1 | 1.2  | 3     | 0.04  |     |     |      |  |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

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ACME ANALYTICAL LABORATORIES LTD.

Project: Z08-1  
Report Date: July 16, 2008

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| Method                 | Analyte    | 1DX   | 1DX | 1DX | 1DX   | 1DX | 1DX    | 1DX | 1DX  | 1DX   | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX   | 1DX |      |
|------------------------|------------|-------|-----|-----|-------|-----|--------|-----|------|-------|------|------|-------|-----|------|-------|-----|------|
|                        |            | P     | La  | Cr  | Mg    | Ba  | Tl     | B   | Al   | Na    | K    | W    | Hg    | Sc  | Tl   | S     | Ga  | Se   |
|                        |            | Unit  | %   | ppm | ppm   | %   | ppm    | %   | ppm  | %     | ppm  | ppm  | ppm   | ppm | %    | ppm   | ppm |      |
| MDL                    |            | 0.001 | 1   | 1   | 0.01  | 1   | 0.001  | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.01  | 0.1 | 0.05 | 1     | 0.5 |      |
| Pulp Duplicates        |            |       |     |     |       |     |        |     |      |       |      |      |       |     |      |       |     |      |
| 52426                  | Drill Core | 0.039 | 5   | 1   | 0.04  | 35  | <0.001 | <20 | 0.27 | 0.043 | 0.15 | 0.3  | <0.01 | 1.0 | <0.1 | 1.16  | <1  | <0.5 |
| REP 52426              | QC         | 0.040 | 6   | 1   | 0.04  | 38  | <0.001 | <20 | 0.29 | 0.044 | 0.16 | 0.2  | <0.01 | 1.0 | <0.1 | 1.18  | <1  | <0.5 |
| 52486                  | Drill Core | 0.166 | 7   | 9   | 0.02  | 29  | 0.002  | <20 | 0.17 | 0.005 | 0.10 | <0.1 | <0.01 | 0.6 | <0.1 | 6.54  | <1  | 3.5  |
| REP 52486              | QC         | 0.164 | 7   | 8   | 0.02  | 28  | 0.003  | <20 | 0.17 | 0.005 | 0.10 | <0.1 | <0.01 | 0.7 | <0.1 | 6.74  | <1  | 4.0  |
| 52498                  | Drill Core | 0.008 | 17  | 7   | <0.01 | 12  | <0.001 | <20 | 0.13 | 0.003 | 0.10 | 1.0  | <0.01 | 0.3 | <0.1 | 2.53  | <1  | <0.5 |
| REP 52498              | QC         | 0.007 | 16  | 7   | <0.01 | 12  | <0.001 | <20 | 0.12 | 0.003 | 0.10 | 1.0  | <0.01 | 0.3 | <0.1 | 2.51  | <1  | 0.8  |
| 53353                  | Drill Core | 0.008 | 7   | 5   | 0.03  | 11  | <0.001 | <20 | 0.16 | 0.004 | 0.11 | <0.1 | <0.01 | 1.1 | <0.1 | 0.54  | <1  | <0.5 |
| REP 53353              | QC         | 0.009 | 7   | 8   | 0.03  | 13  | <0.001 | <20 | 0.18 | 0.006 | 0.12 | <0.1 | <0.01 | 1.4 | <0.1 | 0.63  | <1  | <0.5 |
| 53382                  | Drill Core | 0.008 | 10  | 9   | <0.01 | 8   | <0.001 | <20 | 0.07 | 0.004 | 0.06 | <0.1 | <0.01 | 0.2 | <0.1 | 5.86  | <1  | 2.1  |
| REP 53382              | QC         | 0.009 | 11  | 10  | <0.01 | 8   | <0.001 | <20 | 0.07 | 0.003 | 0.06 | <0.1 | <0.01 | 0.2 | <0.1 | 5.87  | <1  | 1.9  |
| 53406                  | Drill Core | 0.023 | 3   | 9   | 0.11  | 27  | <0.001 | <20 | 0.23 | 0.004 | 0.16 | 0.2  | <0.01 | 0.7 | <0.1 | 3.03  | <1  | 1.4  |
| REP 53406              | QC         | 0.023 | 3   | 9   | 0.11  | 28  | <0.001 | <20 | 0.23 | 0.003 | 0.16 | 0.1  | <0.01 | 0.6 | <0.1 | 3.05  | <1  | 1.4  |
| 53436                  | Drill Core | 0.093 | 8   | 9   | 0.26  | 35  | 0.002  | <20 | 0.61 | 0.009 | 0.20 | <0.1 | <0.01 | 1.0 | <0.1 | 7.31  | 2   | 2.9  |
| REP 53436              | QC         | 0.093 | 8   | 11  | 0.26  | 36  | 0.002  | <20 | 0.61 | 0.009 | 0.19 | <0.1 | <0.01 | 1.0 | <0.1 | 7.68  | 2   | 2.9  |
| 53476                  | Drill Core | 0.059 | 13  | 2   | 0.05  | 110 | 0.011  | <20 | 0.46 | 0.045 | 0.36 | <0.1 | <0.01 | 0.4 | 0.2  | <0.05 | 1   | <0.5 |
| REP 53476              | QC         | 0.061 | 13  | 1   | 0.05  | 114 | 0.010  | <20 | 0.46 | 0.048 | 0.39 | <0.1 | <0.01 | 0.4 | 0.2  | <0.05 | 1   | <0.5 |
| 53513                  | Drill Core | 0.031 | 5   | 13  | 1.25  | 10  | 0.001  | <20 | 1.02 | 0.024 | 0.13 | <0.1 | <0.01 | 2.1 | <0.1 | 0.65  | 3   | <0.5 |
| REP 53513              | QC         | 0.029 | 4   | 13  | 1.25  | 10  | 0.001  | <20 | 0.98 | 0.024 | 0.13 | <0.1 | <0.01 | 2.2 | <0.1 | 0.63  | 3   | <0.5 |
| Core Reject Duplicates |            |       |     |     |       |     |        |     |      |       |      |      |       |     |      |       |     |      |
| 52431                  | Drill Core | 0.050 | 22  | 11  | <0.01 | 9   | <0.001 | <20 | 0.10 | 0.004 | 0.07 | 0.1  | <0.01 | 0.3 | <0.1 | 3.87  | <1  | 1.5  |
| DUP 52431              | QC         | 0.040 | 24  | 11  | <0.01 | 8   | <0.001 | <20 | 0.09 | 0.003 | 0.06 | 1.2  | <0.01 | 0.4 | <0.1 | 4.05  | <1  | 1.1  |
| 52466                  | Drill Core | 0.003 | 7   | 10  | 0.03  | 11  | <0.001 | <20 | 0.10 | 0.003 | 0.08 | 0.8  | <0.01 | 0.4 | <0.1 | 7.72  | <1  | 2.0  |
| DUP 52466              | QC         | 0.003 | 6   | 10  | 0.04  | 10  | <0.001 | <20 | 0.10 | 0.003 | 0.07 | 0.1  | <0.01 | 0.4 | <0.1 | 7.53  | <1  | 2.1  |
| 53301                  | Drill Core | 0.013 | 7   | 9   | <0.01 | 16  | <0.001 | <20 | 0.15 | 0.004 | 0.11 | <0.1 | <0.01 | 0.3 | <0.1 | 2.04  | <1  | <0.5 |
| DUP 53301              | QC         | 0.014 | 12  | 12  | <0.01 | 17  | <0.001 | <20 | 0.15 | 0.005 | 0.11 | 0.9  | <0.01 | 0.4 | <0.1 | 2.22  | <1  | 0.5  |
| 53340                  | Drill Core | 0.011 | 23  | 11  | <0.01 | 5   | <0.001 | <20 | 0.09 | 0.004 | 0.06 | <0.1 | <0.01 | 0.2 | <0.1 | 5.37  | <1  | 2.7  |
| DUP 53340              | QC         | 0.011 | 24  | 10  | <0.01 | 4   | <0.001 | <20 | 0.07 | 0.004 | 0.05 | <0.1 | <0.01 | 0.2 | <0.1 | 6.46  | <1  | 2.3  |
| 53375                  | Drill Core | 0.020 | 2   | 8   | 0.18  | 18  | <0.001 | <20 | 0.30 | 0.004 | 0.14 | <0.1 | <0.01 | 0.4 | <0.1 | 2.67  | 1   | 1.1  |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: Z08-1  
Report Date: July 16, 2008

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| Sample ID           | Sample Type | Elemental Analysis Data (ppm) |       |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |     |      |       |
|---------------------|-------------|-------------------------------|-------|------|------|-----|------|------|------|------|------|------|------|------|------|-----|------|------|-----|------|-------|
|                     |             | WGHT                          | 1DX   | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX | 1DX  | 1DX   |
|                     |             | Wgt                           | Mo    | Cu   | Pb   | Zn  | Ag   | Ni   | Co   | Mn   | Fe   | As   | U    | Au   | Th   | Sr  | Cd   | Sb   | Bi  | V    | Ca    |
|                     |             | kg                            | ppm   | ppm  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | %    | ppm  | ppm  | ppb  | ppm  | ppm | ppm  | ppm  | ppm | ppm  | %     |
| 0.01                | 0.1         | 0.1                           | 0.1   | 0.1  | 1    | 0.1 | 0.1  | 0.1  | 1    | 0.01 | 0.5  | 0.1  | 0.5  | 0.1  | 1    | 0.1 | 0.1  | 0.1  | 0.1 | 2    | 0.01  |
| DUP 53375           | QC          |                               | 1.5   | 2.8  | 2.5  | 5   | <0.1 | 18.0 | 87.2 | 35   | 2.82 | 18.2 | 3.8  | 0.8  | 7.6  | 3   | <0.1 | <0.1 | 1.4 | 3    | 0.05  |
| 53410               | Drill Core  | 1.76                          | 1.2   | 7.4  | 3.2  | 8   | <0.1 | 17.8 | 79.5 | 65   | 2.97 | 40.4 | 2.5  | 7.7  | 11.6 | 7   | <0.1 | 0.2  | 3.9 | 3    | 0.08  |
| DUP 53410           | QC          | <0.01                         | 1.1   | 7.4  | 3.1  | 7   | <0.1 | 18.8 | 77.9 | 69   | 3.00 | 42.2 | 2.5  | 6.2  | 12.2 | 7   | <0.1 | 0.2  | 3.9 | 3    | 0.08  |
| 53445               | Drill Core  | 1.54                          | 0.5   | 6.5  | 47.7 | 37  | 0.2  | 4.9  | 4.4  | 796  | 2.04 | 9.6  | 1.7  | 7.7  | 18.1 | 10  | 0.7  | 0.1  | 0.6 | 2    | 0.13  |
| DUP 53445           | QC          | <0.01                         | 0.5   | 5.3  | 33.0 | 29  | 0.1  | 3.9  | 4.6  | 753  | 1.80 | 8.0  | 1.6  | 13.3 | 16.1 | 8   | 0.5  | 0.1  | 0.4 | 2    | 0.11  |
| 53480               | Drill Core  | 2.00                          | 0.7   | 1.3  | 2.1  | 3   | <0.1 | 8.4  | 6.1  | 15   | 0.21 | 3.2  | 0.9  | 1.3  | 6.2  | 3   | <0.1 | <0.1 | 0.2 | 5    | <0.01 |
| DUP 53480           | QC          | <0.01                         | 0.8   | 1.4  | 2.0  | 8   | <0.1 | 10.7 | 6.6  | 16   | 0.22 | 3.3  | 0.9  | <0.5 | 6.9  | 3   | <0.1 | 0.1  | 0.2 | 4    | <0.01 |
| 53515               | Drill Core  | 1.76                          | 0.5   | 3.4  | 2.0  | 8   | <0.1 | 16.1 | 11.4 | 195  | 1.79 | 4.9  | 1.2  | <0.5 | 6.8  | 18  | <0.1 | <0.1 | 0.4 | 6    | 1.10  |
| DUP 53515           | QC          | <0.01                         | 0.5   | 3.3  | 4.1  | 11  | <0.1 | 17.1 | 14.5 | 267  | 2.30 | 5.2  | 1.2  | <0.5 | 6.8  | 18  | <0.1 | <0.1 | 0.9 | 11   | 1.39  |
| Reference Materials |             |                               |       |      |      |     |      |      |      |      |      |      |      |      |      |     |      |      |     |      |       |
| STD DS7             | Standard    | 19.1                          | 105.9 | 72.7 | 387  | 0.9 | 50.5 | 8.8  | 584  | 2.23 | 48.3 | 4.7  | 50.1 | 4.0  | 68   | 6.1 | 5.7  | 4.7  | 78  | 0.89 |       |
| STD DS7             | Standard    | 19.5                          | 104.2 | 71.7 | 375  | 0.7 | 48.0 | 8.4  | 564  | 2.13 | 49.5 | 4.5  | 54.1 | 4.1  | 70   | 6.2 | 5.4  | 4.6  | 77  | 0.86 |       |
| STD DS7             | Standard    | 19.4                          | 107.7 | 69.0 | 406  | 0.8 | 49.4 | 8.0  | 581  | 2.22 | 48.4 | 5.0  | 78.5 | 4.2  | 69   | 6.1 | 5.2  | 4.5  | 74  | 0.89 |       |
| STD DS7             | Standard    | 20.4                          | 108.9 | 74.6 | 418  | 0.8 | 52.3 | 9.0  | 620  | 2.31 | 49.9 | 5.0  | 51.2 | 4.6  | 73   | 6.4 | 5.3  | 4.9  | 80  | 0.93 |       |
| STD DS7             | Standard    | 18.3                          | 102.7 | 69.2 | 378  | 0.8 | 51.1 | 8.3  | 559  | 2.24 | 44.2 | 4.7  | 45.1 | 4.3  | 67   | 6.4 | 4.9  | 4.5  | 74  | 0.88 |       |
| STD DS7             | Standard    | 19.1                          | 111.5 | 67.7 | 382  | 0.8 | 51.8 | 8.8  | 560  | 2.18 | 47.1 | 4.6  | 68.7 | 4.2  | 69   | 6.3 | 5.2  | 4.6  | 75  | 0.88 |       |
| STD DS7             | Standard    | 21.0                          | 110.2 | 79.1 | 414  | 0.9 | 55.2 | 9.6  | 630  | 2.45 | 52.9 | 5.3  | 57.0 | 4.8  | 81   | 6.9 | 5.5  | 5.2  | 86  | 0.97 |       |
| STD DS7             | Standard    | 20.6                          | 153.7 | 74.5 | 433  | 0.8 | 54.8 | 9.0  | 587  | 2.36 | 46.9 | 5.0  | 56.4 | 4.6  | 78   | 6.5 | 5.6  | 4.6  | 80  | 0.96 |       |
| STD DS7             | Standard    | 20.3                          | 110.7 | 77.4 | 399  | 0.9 | 54.4 | 9.3  | 612  | 2.32 | 50.3 | 5.6  | 49.1 | 4.7  | 73   | 6.3 | 5.0  | 4.9  | 80  | 0.95 |       |
| STD DS7             | Standard    | 22.0                          | 115.2 | 83.4 | 425  | 0.8 | 59.6 | 10.2 | 635  | 2.45 | 52.5 | 5.9  | 52.1 | 4.8  | 78   | 6.9 | 5.2  | 5.2  | 90  | 0.88 |       |
| STD DS7             | Standard    | 19.2                          | 111.1 | 66.8 | 397  | 0.7 | 57.3 | 9.3  | 643  | 2.35 | 59.2 | 4.8  | 58.4 | 4.2  | 61   | 6.7 | 5.4  | 4.3  | 84  | 0.91 |       |
| STD DS7             | Standard    | 23.9                          | 89.4  | 70.5 | 400  | 0.9 | 56.0 | 9.1  | 647  | 2.29 | 55.6 | 4.9  | 62.0 | 3.9  | 62   | 6.8 | 5.3  | 4.7  | 83  | 0.86 |       |
| STD DS7             | Standard    | 21.6                          | 111.0 | 68.5 | 406  | 0.8 | 52.8 | 9.5  | 646  | 2.39 | 59.0 | 5.0  | 51.5 | 4.0  | 67   | 6.9 | 5.1  | 4.6  | 80  | 0.92 |       |
| STD DS7             | Standard    | 21.3                          | 107.5 | 71.9 | 418  | 0.9 | 55.3 | 9.0  | 676  | 2.43 | 60.5 | 5.5  | 51.3 | 4.8  | 71   | 7.2 | 5.6  | 4.7  | 85  | 0.96 |       |
| STD DS7             | Standard    | 19.4                          | 112.3 | 67.8 | 392  | 0.8 | 54.4 | 9.1  | 603  | 2.32 | 49.8 | 4.7  | 51.5 | 3.8  | 63   | 5.8 | 5.2  | 4.2  | 89  | 0.90 |       |
| STD DS7             | Standard    | 18.4                          | 104.2 | 65.7 | 396  | 0.8 | 51.3 | 8.6  | 565  | 2.20 | 49.5 | 4.3  | 45.5 | 3.7  | 57   | 5.9 | 5.0  | 4.2  | 72  | 0.86 |       |
| STD DS7             | Standard    | 18.6                          | 96.4  | 60.1 | 370  | 0.7 | 51.3 | 8.7  | 566  | 2.16 | 49.2 | 4.3  | 50.2 | 3.5  | 65   | 6.0 | 4.8  | 4.4  | 78  | 0.84 |       |
| STD DS7             | Standard    | 19.0                          | 102.5 | 65.0 | 379  | 0.7 | 50.5 | 8.7  | 566  | 2.22 | 47.2 | 4.7  | 50.5 | 3.8  | 65   | 5.8 | 4.9  | 4.3  | 74  | 0.85 |       |
| STD DS7             | Standard    | 16.5                          | 101.7 | 65.0 | 376  | 0.9 | 50.5 | 8.7  | 611  | 2.23 | 54.9 | 4.2  | 61.0 | 3.3  | 74   | 6.9 | 5.1  | 4.7  | 79  | 0.89 |       |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

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Calgary AB T2R 1H6 Canada

Project:

Z08-1

Report Date:

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Part 2

|                     |            | 1DX   | 1DX | 1DX | 1DX  | 1DX | 1DX    | 1DX | 1DX  | 1DX   | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX |      |
|---------------------|------------|-------|-----|-----|------|-----|--------|-----|------|-------|------|------|-------|-----|------|------|-----|------|
|                     |            | P     | La  | Cr  | Mg   | Ba  | Ti     | B   | Al   | Na    | K    | W    | Hg    | Sc  | Tl   | S    | Ga  | Se   |
|                     |            | %     | ppm | ppm | %    | ppm | %      | ppm | %    | %     | %    | ppm  | ppm   | ppm | %    | ppm  | ppm |      |
|                     |            | 0.001 | 1   | 1   | 0.01 | 1   | 0.001  | 20  | 0.01 | 0.001 | 0.01 | 0.1  | 0.01  | 0.1 | 0.1  | 0.05 | 1   | 0.5  |
| DUP 53375           | QC         | 0.024 | 4   | 9   | 0.15 | 17  | <0.001 | <20 | 0.27 | 0.004 | 0.12 | <0.1 | <0.01 | 0.3 | <0.1 | 2.89 | 1   | 1.0  |
| 53410               | Drill Core | 0.035 | 2   | 5   | 0.15 | 34  | <0.001 | <20 | 0.24 | 0.004 | 0.23 | <0.1 | <0.01 | 1.0 | <0.1 | 2.76 | <1  | 1.6  |
| DUP 53410           | QC         | 0.033 | 1   | 5   | 0.15 | 34  | <0.001 | <20 | 0.21 | 0.003 | 0.19 | 0.4  | <0.01 | 1.0 | <0.1 | 2.72 | <1  | 1.8  |
| 53445               | Drill Core | 0.040 | 3   | 2   | 0.05 | 58  | <0.001 | <20 | 0.30 | 0.006 | 0.28 | 0.2  | <0.01 | 1.8 | <0.1 | 0.13 | <1  | <0.5 |
| DUP 53445           | QC         | 0.036 | 3   | 2   | 0.05 | 49  | <0.001 | <20 | 0.26 | 0.006 | 0.24 | 0.3  | <0.01 | 1.7 | <0.1 | 0.13 | <1  | <0.5 |
| 53480               | Drill Core | 0.002 | 12  | 5   | 0.02 | 33  | <0.001 | <20 | 0.30 | 0.005 | 0.24 | <0.1 | <0.01 | 3.1 | <0.1 | 0.11 | <1  | <0.5 |
| DUP 53480           | QC         | 0.002 | 11  | 6   | 0.02 | 32  | <0.001 | <20 | 0.29 | 0.005 | 0.23 | <0.1 | <0.01 | 3.2 | <0.1 | 0.12 | <1  | <0.5 |
| 53615               | Drill Core | 0.020 | 6   | 8   | 1.08 | 12  | <0.001 | <20 | 0.76 | 0.008 | 0.18 | <0.1 | <0.01 | 1.5 | <0.1 | 0.46 | 2   | <0.5 |
| DUP 53615           | QC         | 0.028 | 5   | 13  | 1.24 | 11  | 0.001  | <20 | 0.98 | 0.028 | 0.15 | <0.1 | <0.01 | 2.1 | <0.1 | 0.63 | 3   | 0.7  |
| Reference Materials |            |       |     |     |      |     |        |     |      |       |      |      |       |     |      |      |     |      |
| STD DS7             | Standard   | 0.073 | 11  | 177 | 1.00 | 385 | 0.111  | 29  | 0.95 | 0.084 | 0.41 | 3.2  | 0.18  | 2.1 | 4.1  | 0.19 | 4   | 3.3  |
| STD DS7             | Standard   | 0.068 | 11  | 163 | 0.95 | 361 | 0.112  | 33  | 0.92 | 0.068 | 0.40 | 3.6  | 0.18  | 2.1 | 3.9  | 0.18 | 4   | 3.6  |
| STD DS7             | Standard   | 0.075 | 11  | 165 | 0.99 | 382 | 0.111  | 46  | 0.94 | 0.082 | 0.40 | 3.2  | 0.19  | 1.9 | 3.8  | 0.18 | 4   | 3.6  |
| STD DS7             | Standard   | 0.077 | 11  | 175 | 1.04 | 387 | 0.119  | 41  | 1.00 | 0.084 | 0.43 | 3.4  | 0.17  | 2.3 | 4.1  | 0.19 | 4   | 3.6  |
| STD DS7             | Standard   | 0.066 | 11  | 166 | 0.98 | 350 | 0.109  | 33  | 0.94 | 0.083 | 0.42 | 3.0  | 0.20  | 2.3 | 3.7  | 0.19 | 4   | 3.8  |
| STD DS7             | Standard   | 0.067 | 11  | 165 | 1.00 | 356 | 0.110  | 35  | 0.94 | 0.080 | 0.41 | 3.3  | 0.19  | 2.2 | 3.9  | 0.18 | 4   | 3.4  |
| STD DS7             | Standard   | 0.077 | 13  | 191 | 1.08 | 399 | 0.125  | 39  | 1.03 | 0.092 | 0.45 | 3.6  | 0.21  | 2.5 | 4.4  | 0.21 | 5   | 3.5  |
| STD DS7             | Standard   | 0.073 | 12  | 179 | 1.05 | 387 | 0.122  | 36  | 1.02 | 0.083 | 0.43 | 3.5  | 0.20  | 2.3 | 4.1  | 0.19 | 5   | 3.5  |
| STD DS7             | Standard   | 0.073 | 12  | 180 | 1.04 | 377 | 0.119  | 36  | 1.00 | 0.088 | 0.43 | 5.8  | 0.21  | 2.2 | 4.2  | 0.19 | 4   | 3.1  |
| STD DS7             | Standard   | 0.077 | 12  | 199 | 1.10 | 399 | 0.123  | 38  | 1.05 | 0.089 | 0.44 | 3.5  | 0.19  | 2.4 | 4.4  | 0.21 | 5   | 3.9  |
| STD DS7             | Standard   | 0.079 | 11  | 177 | 1.05 | 409 | 0.099  | 36  | 0.97 | 0.077 | 0.45 | 3.6  | 0.19  | 2.4 | 4.0  | 0.19 | 4   | 4.8  |
| STD DS7             | Standard   | 0.080 | 10  | 161 | 1.02 | 399 | 0.097  | 43  | 0.91 | 0.067 | 0.45 | 3.6  | 0.21  | 2.2 | 4.1  | 0.19 | 4   | 4.8  |
| STD DS7             | Standard   | 0.084 | 10  | 188 | 1.06 | 432 | 0.107  | 33  | 0.99 | 0.088 | 0.51 | 3.6  | 0.20  | 2.3 | 4.2  | 0.20 | 5   | 3.9  |
| STD DS7             | Standard   | 0.080 | 12  | 186 | 1.09 | 452 | 0.115  | 34  | 1.05 | 0.095 | 0.53 | 3.6  | 0.20  | 2.4 | 4.5  | 0.20 | 5   | 4.2  |
| STD DS7             | Standard   | 0.078 | 11  | 167 | 1.05 | 369 | 0.112  | 52  | 0.96 | 0.076 | 0.43 | 3.3  | 0.19  | 2.1 | 4.0  | 0.20 | 5   | 3.5  |
| STD DS7             | Standard   | 0.073 | 10  | 156 | 1.00 | 363 | 0.105  | 32  | 0.91 | 0.072 | 0.38 | 3.1  | 0.20  | 1.9 | 3.8  | 0.19 | 4   | 3.7  |
| STD DS7             | Standard   | 0.072 | 11  | 170 | 0.96 | 382 | 0.106  | 41  | 0.91 | 0.079 | 0.45 | 3.3  | 0.16  | 2.0 | 3.9  | 0.18 | 4   | 3.1  |
| STD DS7             | Standard   | 0.075 | 11  | 165 | 0.96 | 384 | 0.105  | 41  | 0.92 | 0.076 | 0.43 | 3.4  | 0.18  | 2.1 | 4.0  | 0.18 | 4   | 3.2  |
| STD DS7             | Standard   | 0.080 | 10  | 155 | 1.01 | 390 | 0.108  | 32  | 0.92 | 0.081 | 0.48 | 3.6  | 0.18  | 2.1 | 4.3  | 0.19 | 5   | 3.4  |

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Part 1

|                  |            | WGHT | 1DX   | 1DX   | 1DX  | 1DX | 1DX  | 1DX  | 1DX  | 1DX | 1DX   | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX   |   |
|------------------|------------|------|-------|-------|------|-----|------|------|------|-----|-------|------|------|------|------|------|------|------|------|------|------|------|-------|---|
|                  |            | Wgt  | Mo    | Cu    | Pb   | Zn  | Ag   | Ni   | Co   | Mn  | Fe    | As   | U    | Au   | Th   | Sr   | Cd   | Sb   | Bi   | V    | Ca   |      |       |   |
|                  |            | kg   | ppm   | ppm   | ppm  | ppm | ppm  | ppm  | ppm  | ppm | %     | ppm  | ppm  | ppb  | ppm   | % |
| STD DS7          | Standard   |      | 18.7  | 96.9  | 74.3 | 403 | 1.0  | 53.9 | 9.1  | 630 | 2.37  | 53.7 | 4.6  | 60.0 | 3.9  | 78   | 6.8  | 5.3  | 5.0  | 81   | 0.89 |      |       |   |
| STD DS7          | Standard   |      | 18.4  | 87.7  | 70.2 | 390 | 0.9  | 52.5 | 9.4  | 625 | 2.27  | 56.2 | 5.4  | 63.0 | 4.5  | 76   | 6.1  | 4.7  | 4.9  | 79   | 0.90 |      |       |   |
| STD DS7          | Standard   |      | 17.3  | 117.6 | 71.7 | 392 | 0.7  | 46.6 | 8.5  | 569 | 2.14  | 48.5 | 4.6  | 51.7 | 3.5  | 69   | 6.6  | 4.5  | 4.6  | 69   | 0.84 |      |       |   |
| STD DS7 Expected |            |      | 20.92 | 109   | 70.6 | 411 | 0.89 | 56   | 9.7  | 627 | 2.39  | 48.2 | 4.9  | 70   | 4.4  | 68.7 | 6.38 | 5.86 | 4.51 | 86   | 0.93 |      |       |   |
| BLK              | Blank      |      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1 | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.01 |   |
| BLK              | Blank      |      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1 | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.01 |   |
| BLK              | Blank      |      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1 | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.01 |   |
| BLK              | Blank      |      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1 | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.01 |   |
| BLK              | Blank      |      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1 | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.01 |   |
| BLK              | Blank      |      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1 | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.01 |   |
| BLK              | Blank      |      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1 | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.01 |   |
| BLK              | Blank      |      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1 | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.01 |   |
| BLK              | Blank      |      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1 | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.01 |   |
| BLK              | Blank      |      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1 | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.01 |   |
| BLK              | Blank      |      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1 | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.01 |   |
| BLK              | Blank      |      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1 | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.01 |   |
| BLK              | Blank      |      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1 | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.01 |   |
| BLK              | Blank      |      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1 | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.01 |   |
| Prep Wash        |            |      |       |       |      |     |      |      |      |     |       |      |      |      |      |      |      |      |      |      |      |      |       |   |
| G1               | Prep Blank |      | <0.01 | 0.9   | 1.4  | 2.6 | 46   | <0.1 | 6.5  | 4.6 | 628   | 2.12 | <0.5 | 2.5  | 2.1  | 3.8  | 76   | <0.1 | <0.1 | <0.1 | <0.1 | 43   | 0.60  |   |
| G1               | Prep Blank |      | <0.01 | 0.2   | 1.2  | 2.4 | 49   | <0.1 | 4.1  | 4.7 | 604   | 1.94 | <0.5 | 2.2  | 2.5  | 3.7  | 68   | <0.1 | <0.1 | <0.1 | <0.1 | 39   | 0.55  |   |



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Part 2

|                  |            | 1DX    | 1DX  | 1DX | 1DX   | 1DX   | 1DX    | 1DX  | 1DX   | 1DX    | 1DX   | 1DX  | 1DX   | 1DX  | 1DX  | 1DX   | 1DX |      |
|------------------|------------|--------|------|-----|-------|-------|--------|------|-------|--------|-------|------|-------|------|------|-------|-----|------|
|                  |            | P      | La   | Cr  | Mg    | Ba    | Tl     | B    | Al    | Na     | K     | W    | Hg    | Sc   | Tl   | S     | Ga  | Se   |
|                  |            | %      | ppm  | ppm | %     | ppm   | %      | ppm  | %     | %      | %     | ppm  | ppm   | ppm  | ppm  | %     | ppm | ppm  |
|                  |            | 0.001  | 1    | 1   | 0.01  | 1     | 0.001  | 20   | 0.01  | 0.001  | 0.01  | 0.1  | 0.01  | 0.1  | 0.1  | 0.05  | 1   | 0.5  |
| STD DS7          | Standard   | 0.084  | 11   | 174 | 0.99  | 420   | 0.113  | 36   | 0.92  | 0.085  | 0.51  | 3.8  | 0.21  | 2.3  | 4.4  | 0.20  | 5   | 3.2  |
| STD DS7          | Standard   | 0.078  | 11   | 166 | 1.02  | 401   | 0.112  | 44   | 0.92  | 0.083  | 0.45  | 3.6  | 0.18  | 2.1  | 4.1  | 0.19  | 4   | 3.9  |
| STD DS7          | Standard   | 0.073  | 10   | 163 | 0.97  | 361   | 0.101  | 33   | 0.87  | 0.075  | 0.45  | 3.2  | 0.20  | 1.9  | 4.1  | 0.18  | 4   | 3.9  |
| STD DS7 Expected |            | 0.08   | 12.7 | 163 | 1.05  | 370.3 | 0.124  | 38.6 | 0.959 | 0.073  | 0.44  | 3.8  | 0.2   | 2.5  | 4.19 | 0.21  | 4.6 | 3.5  |
| BLK              | Blank      | <0.001 | <1   | <1  | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.1  | <0.1 | <0.1 | <0.05 | <1  | <0.5 |
| BLK              | Blank      | <0.001 | <1   | <1  | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.1  | <0.1 | <0.1 | <0.05 | <1  | <0.5 |
| BLK              | Blank      | <0.001 | <1   | <1  | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.1  | <0.1 | <0.1 | <0.05 | <1  | <0.5 |
| BLK              | Blank      | <0.001 | <1   | <1  | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.1  | <0.1 | <0.1 | <0.05 | <1  | <0.5 |
| BLK              | Blank      | <0.001 | <1   | <1  | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.1  | <0.1 | <0.1 | <0.05 | <1  | <0.5 |
| BLK              | Blank      | <0.001 | <1   | <1  | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.1  | <0.1 | <0.1 | <0.05 | <1  | <0.5 |
| BLK              | Blank      | <0.001 | <1   | <1  | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.1  | <0.1 | <0.1 | <0.05 | <1  | <0.5 |
| BLK              | Blank      | <0.001 | <1   | <1  | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.1  | <0.1 | <0.1 | <0.05 | <1  | <0.5 |
| BLK              | Blank      | <0.001 | <1   | <1  | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.1  | <0.1 | <0.1 | <0.05 | <1  | <0.5 |
| BLK              | Blank      | <0.001 | <1   | <1  | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.1  | <0.1 | <0.1 | <0.05 | <1  | <0.5 |
| BLK              | Blank      | <0.001 | <1   | <1  | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.1  | <0.1 | <0.1 | <0.05 | <1  | <0.5 |
| BLK              | Blank      | <0.001 | <1   | <1  | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.1  | <0.1 | <0.1 | <0.05 | <1  | <0.5 |
| Prep Wash        |            |        |      |     |       |       |        |      |       |        |       |      |       |      |      |       |     |      |
| G1               | Prep Blank | 0.089  | 7    | 10  | 0.70  | 274   | 0.127  | <20  | 1.12  | 0.079  | 0.61  | <0.1 | <0.01 | 2.0  | 0.3  | <0.05 | 5   | <0.5 |
| G1               | Prep Blank | 0.090  | 7    | 9   | 0.66  | 264   | 0.126  | <20  | 1.04  | 0.079  | 0.55  | 0.6  | <0.01 | 2.0  | 0.3  | <0.05 | 5   | <0.5 |



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Project:

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Report Date:

June 24, 2008

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Part 1

|                     | Method     | 1DX   | 1DX   | 1DX  | 1DX | 1DX  | 1DX  | 1DX   | 1DX | 1DX   | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX | 1DX   |        |
|---------------------|------------|-------|-------|------|-----|------|------|-------|-----|-------|------|------|------|------|------|------|------|------|-----|-------|--------|
|                     | Analyte    | Mo    | Cu    | Pb   | Zn  | Ag   | Ni   | Co    | Mn  | Fe    | As   | U    | Au   | Th   | Sr   | Cd   | Sb   | Bi   | V   | Ca    | P      |
|                     | Unit       | ppm   | ppm   | ppm  | ppm | ppm  | ppm  | ppm   | ppm | %     | ppm  | ppm  | ppb  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | %     | %      |
|                     | MDL        | 0.1   | 0.1   | 0.1  | 1   | 0.1  | 0.1  | 0.1   | 1   | 0.01  | 0.6  | 0.1  | 0.5  | 0.1  | 1    | 0.1  | 0.1  | 0.1  | 2   | 0.01  | 0.001  |
| Pulp Duplicates     |            |       |       |      |     |      |      |       |     |       |      |      |      |      |      |      |      |      |     |       |        |
| 53325               | Drill Core | 1.1   | 24.1  | 7.1  | 3   | <0.1 | 46.8 | 289.0 | 24  | 4.98  | 58.3 | 10.9 | 17.8 | 2.1  | 3    | <0.1 | 0.4  | 10.7 | <2  | 0.01  | 0.006  |
| REP 53325           | QC         | 1.2   | 23.1  | 6.4  | 3   | <0.1 | 47.9 | 297.5 | 24  | 5.13  | 55.8 | 10.6 | 14.7 | 2.0  | 3    | <0.1 | 0.5  | 10.0 | <2  | 0.01  | 0.005  |
| Reference Materials |            |       |       |      |     |      |      |       |     |       |      |      |      |      |      |      |      |      |     |       |        |
| STD DS7             | Standard   | 18.6  | 103.1 | 66.7 | 380 | 0.9  | 53.0 | 8.7   | 563 | 2.21  | 50.8 | 4.6  | 59.2 | 4.0  | 66   | 6.1  | 5.0  | 4.5  | 79  | 0.86  | 0.076  |
| STD DS7             | Standard   | 20.3  | 113.3 | 71.5 | 406 | 0.8  | 57.0 | 9.9   | 617 | 2.36  | 56.8 | 5.1  | 53.8 | 4.3  | 72   | 6.5  | 5.3  | 4.7  | 83  | 0.95  | 0.081  |
| STD DS7/Expected    |            | 20.92 | 109   | 70.6 | 411 | 0.89 | 56   | 9.7   | 627 | 2.39  | 48.2 | 4.9  | 70   | 4.4  | 68.7 | 6.38 | 5.86 | 4.51 | 86  | 0.93  | 0.08   |
| BLK                 | Blank      | <0.1  | <0.1  | <0.1 | <1  | <0.1 | <0.1 | <0.1  | <1  | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1   | <0.1 | <0.1 | <0.1 | <2  | <0.01 | <0.001 |
| Prep Wash           |            |       |       |      |     |      |      |       |     |       |      |      |      |      |      |      |      |      |     |       |        |
| G1                  | Prep Blank | 0.9   | 34.4  | 2.2  | 42  | <0.1 | 4.0  | 4.4   | 504 | 1.73  | <0.5 | 2.3  | 0.5  | 3.6  | 40   | <0.1 | <0.1 | <0.1 | 38  | 0.43  | 0.081  |

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Part 2

|                     | Method     | 1DX  | 1DX  | 1DX   | 1DX   | 1DX    | 1DX  | 1DX   | 1DX    | 1DX   | 1DX  | 1DX   | 1DX  | 1DX  | 1DX   | 1DX |      |
|---------------------|------------|------|------|-------|-------|--------|------|-------|--------|-------|------|-------|------|------|-------|-----|------|
| Analyte             | La         | Cr   | Mg   | Ba    | Ti    | B      | Al   | Na    | K      | W     | Hg   | Sc    | Tl   | S    | Ga    | Se  |      |
| Unit                | ppm        | ppm  | %    | ppm   | %     | ppm    | %    | %     | %      | ppm   | ppm  | ppm   | ppm  | %    | ppm   | ppm |      |
| MDL                 | 1          | 1    | 0.01 | 1     | 0.001 | 20     | 0.01 | 0.001 | 0.01   | 0.1   | 0.01 | 0.1   | 0.1  | 0.05 | 1     | 0.5 |      |
| Pulp Duplicates     |            |      |      |       |       |        |      |       |        |       |      |       |      |      |       |     |      |
| 53325               | Drill Core | 28   | 8    | 0.01  | 11    | <0.001 | <20  | 0.10  | 0.004  | 0.07  | <0.1 | <0.01 | 0.4  | <0.1 | 5.44  | <1  | 2.9  |
| REP 53325           | QC         | 28   | 9    | 0.01  | 10    | <0.001 | <20  | 0.10  | 0.004  | 0.07  | <0.1 | <0.01 | 0.4  | <0.1 | 5.52  | <1  | 2.8  |
| Reference Materials |            |      |      |       |       |        |      |       |        |       |      |       |      |      |       |     |      |
| STD DS7             | Standard   | 10   | 163  | 0.97  | 359   | 0.096  | 42   | 0.89  | 0.079  | 0.38  | 3.6  | 0.20  | 2.0  | 4.1  | 0.19  | 4   | 3.9  |
| STD DS7             | Standard   | 11   | 172  | 1.05  | 388   | 0.107  | 39   | 0.98  | 0.088  | 0.43  | 3.5  | 0.19  | 2.2  | 4.5  | 0.21  | 4   | 3.3  |
| STD DS7 Expected    |            | 12.7 | 163  | 1.05  | 370.3 | 0.124  | 38.6 | 0.959 | 0.073  | 0.44  | 3.8  | 0.2   | 2.5  | 4.19 | 0.21  | 4.6 | 3.5  |
| BLK                 | Blank      | <1   | <1   | <0.01 | <1    | <0.001 | <20  | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1  | <0.5 |
| Prep Wash           |            |      |      |       |       |        |      |       |        |       |      |       |      |      |       |     |      |
| G1                  | Prep Blank | 5    | 7    | 0.57  | 234   | 0.123  | <20  | 0.86  | 0.057  | 0.50  | 0.3  | <0.01 | 2.1  | 0.3  | <0.05 | 4   | <0.5 |

