

GEOLOGICAL MAPPING  
& ROCK and SOIL SAMPLING REPORT  
for the  
MM Property  
PELLY MOUNTAIN PROJECT  
MM 1-22 Claims

Watson Lake Mining Division, Southcentral Yukon Territory

NTS Mapsheet 105F-07

Latitude: 61° 27' 23"N/Longitude: 132° 38' 42"W

Prepared for:

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## Table of Contents

|                                                                      |    |
|----------------------------------------------------------------------|----|
| Summary.....                                                         | 4  |
| Historic Work.....                                                   | 6  |
| Location and Access.....                                             | 7  |
| Physiography.....                                                    | 7  |
| Tenure Description.....                                              | 7  |
| Regional Geological Setting.....                                     | 9  |
| MM Property Geology .....                                            | 11 |
| Late Cambrian Rosella Formation.....                                 | 11 |
| Silurian to Devonian Askin Group.....                                | 11 |
| Upper Devonian to Lower Mississippian PMVB Rocks.....                | 11 |
| Black Phyllite.....                                                  | 11 |
| Felsic to intermediate volcanoclastic and felsic flow/tuff unit..... | 12 |
| Late Paleozoic Anvil Assemblage.....                                 | 12 |
| Ultramafic Rocks (Serpentine).....                                   | 12 |
| Mafic Metavolcanic Rocks.....                                        | 12 |
| Intrusive Rocks.....                                                 | 12 |
| Mineralization.....                                                  | 15 |
| VMS Mineralization.....                                              | 15 |
| Semi Massive Sulphide-Oxide Replacement Mineralization.....          | 16 |
| Pb-Zn sulphide bands in dolostone.....                               | 16 |
| 2007 Exploration Work.....                                           | 17 |
| Geological Mapping and Sampling.....                                 | 17 |
| 2007 Exploration Results.....                                        | 27 |
| Mapping and Geologic Cross-section.....                              | 27 |
| Mineralization and Rock Samples.....                                 | 28 |
| Soil Geochemistry Results.....                                       | 31 |
| Conclusions.....                                                     | 34 |
| Recommendations.....                                                 | 35 |
| Field Program.....                                                   | 35 |
| Geophysical Survey.....                                              | 35 |
| Proposed 2009 Field Budget.....                                      | 35 |
| References.....                                                      | 36 |

## List of Figures

|                                                                          |          |
|--------------------------------------------------------------------------|----------|
| Figure 1 - MM Regional Location Map.....                                 | 5        |
| Figure 2 - MM Property Tenure Map.....                                   | 8        |
| Figure 3 – Regional Geology Map.....                                     | (pocket) |
| Figure 4a - MM Property Geology 2006.....                                | 13       |
| Figure 4b - MM Property Geology Legend.....                              | 14       |
| Figure 5 – MM Geologic Cross Section.....                                | (pocket) |
| Figure 6a - 2007 MM Soil Geochemistry (Pb).....                          | 18       |
| Figure 6b - 2007 MM Soil Geochemistry (Zn).....                          | 19       |
| Figure 6c - 2007 MM Soil Geochemistry (Ba).....                          | 20       |
| Figure 6d - 2007 MM Soil Geochemistry (Cu).....                          | 21       |
| Figure 7 – 2007 Mapping Compilation and Mineralized Zones.....           | 22       |
| Figure 8 – 2007 Trench and Creek Zone: mapping and Sample Locations..... | 24       |
| Figure 9 – 2007 North Zone Mapping and Sample Locations.....             | 26       |

## List of Tables

|                                                                               |    |
|-------------------------------------------------------------------------------|----|
| Table I: MM Tenure Details.....                                               | 7  |
| Table II – Rock Sample descriptions and select ICP-MS analytical results..... | 29 |
| Table III – Whole Rock Sample Descriptions.....                               | 30 |
| Table IVa: Soil Sample Statistics (all Pelly Project) .....                   | 32 |
| Table IVb: Soil Sample Statistics (all MM Project) .....                      | 32 |
| Table IVc: Soil Sample Statistics (2007 MM samples only) .....                | 32 |
| Table V: Soil Sample Locations and Descriptions .....                         | 33 |

## List of Appendices

Appendix I: Statement of Qualifications

Appendix II: Statement of Expenditures

Appendix III: Geochemical Analytical Results

## SUMMARY

The MM property, situated in south-central Yukon (Figure 1) roughly 60 kilometres south southeast of Ross River, has been recognized and periodically examined for its VMS potential over the past 38 years. Exploration during that period focused on the pyritiferous, gossanous weathering intermediate to felsic volcanic rocks, in which  $\text{Zn-Pb} \pm \text{Ag} \pm \text{Cu}$  VMS mineralization is associated with proximal barite horizons. These rocks belong to the Late Devonian and Mississippian Pelly Mountain Volcanic Belt (PMVB) and are known to host (Hunt 2002) similar styles of VMS mineralization elsewhere along the belt.

Under contract and working with Eagle Plains Resources geological staff, Thomas Mumford and Jarrod Brown, the lead author of this report, spent a combined total of 5 days mapping, prospecting and sampling on the MM property. The purpose of this field program was to continue building an understanding of the local stratigraphic controls on VMS styles of mineralization and identify potential drill targets.

Three distinctive lithotectonic elements or "terrane" underlie the immediate property area and are structurally stacked along low-angle thrust faults. Pelly Mountain Volcanic Belt rocks of interest in this area partly sit tectonically below a package of Silurian to Devonian and Early Cambrian, phyllitic and carbonaceous sedimentary rocks along flat-lying thrust faults containing discontinuous, attenuated lenses of serpentinite.

Footwall Mississippian rocks comprise three primary lithological units, two lower volcanic units and an upper sedimentary sequence. Lowest in the succession are mafic volcanic rocks tentatively assigned to the Late Paleozoic Anvil Assemblage. These are intruded and overlain by Mississippian felsic to intermediate, subvolcanic and volcanic rocks which are intimately associated with occurrences of volcanogenic sulphide mineralization. The intermediate and felsic volcanic rocks are overlain and intercalated with fine-grained clastic and lesser pelagic sedimentary rocks.

In light of the high degree of deformation affecting the footwall, volcano-sedimentary succession of interest, a primary stratigraphic sequence has been identified which demonstrates that:

- 1) Mafic volcanic rocks and not calcareous phyllites, as previously interpreted, occur stratigraphically below the intermediate to felsic volcanic rocks, and that
- 2) Volcanogenic sulphide mineralization and associated barite horizons are consistently concentrated along this contact zone between the intermediate to felsic volcanics and their underlying mafic volcanic rocks.

To date the bulk of the exploration drilling activity has focused on the strongly deformed (folded, sheared and attenuated) mineralization immediately underlying the terrane-bounding suture at the western end of the property. The 2006-2007 work suggests that exploration attention should be focused at the eastern end of the property where the likelihood of identifying contiguous stratabound mineralization is higher due to a reduced level of tectonic disruption.

A total of 43 rock grab samples were collected and analyzed, 20 of which were analyzed by whole rock ICP-MS analysis. Thirty-three soil samples were collected over a grid near the eastern limit of the 2006 claim boundary. Total exploration expenditures for the 2007 program were \$39,772.28.

A 5 to 6 day field program involving mapping, soil geochemical sampling, and a geophysical survey in the amount of \$65,000.00 is recommended for the 2009 field season.



## HISTORIC WORK

The MM property area was originally staked as the Zink claims by a Spartan EL - Mitsui Mining and Smelting joint venture in 1970. The claims were restaked as 157 MM and JJ claims in 1973 by Anvil Mining Corporation. Anvil carried out mapping, geochemical, magnetic and gravity surveys and four diamond drill holes were completed in 1974. In 1975 the claims were transferred to Cyprus Anvil who entered into a joint venture on the property with Hudson's Bay Oil and Gas. The joint venture drilled a total of 11 holes and carried out geological mapping from 1975-78. In 1985, the property was transferred to Curragh Resources, which performed trenching in 1987 and 1988 (Pigage, 1987, 1988). Anvil Range acquired the property through Curragh Resources and drilled four holes in 1996. The claims lapsed in 2001.

The current core claims were staked by Bernie Kreft of Whitehorse for Eagle Plains Resources in February 2002, with more claims acquired as part of 2002 fieldwork. Work by Eagle Plains Resources in 2002 consisted of geological mapping, prospecting, soil sampling and silt sampling. The results were encouraging and further work was recommended to continue to evaluate the MM property area for more massive sulphide mineralization. Work in 2006 included 11 days of mapping and rock sampling and resulted in the detection of additional mineralization near the eastern limit of the 2006 claim boundaries. This led to focused exploration in 2007 to the NE and SW of the 1987 Pigage trench.

Data and results from the historical work programs, now available for public viewing at the Yukon Energy Mines and Resources library in Whitehorse were reviewed and all pertinent data copied. This information has been examined and integrated into the current work program and has helped advanced the understanding of the property area and its associated mineralization.

In addition to the history of exploration activity reported above this area has also been the focus of either detailed investigation or included in regional deposit studies by Yukon Survey (Sinclair and Gilbert, 1975; Morin, 1977, 1981; Hunt, 1988, 2002) and university research geologists (Mortensen, 1979a, 1982; Mortensen and Godwin, 1981).

The regional geological setting of the property area is constrained by 1:250,000 mapping of the Quite Lake (NTS 105F) map sheet by Wheeler (1960) and Tempelman-Kluit et al. (1975, 1976, 1977, in prep).

## LOCATION AND ACCESS

The MM property is located 61 kms south (bearing 191.8°) of Ross River in south-central Yukon Territory (Figure 1). It includes 22 unsurveyed Quartz Mining claims situated roughly 1.5 kms east of Seagull Creek and 2.5 kms north of Sheep Creek in the northeast quadrant of the 1:50 000 scale, NTS 105F/07 map sheet and is roughly centered on Latitude: 61° 27' 23"N by Longitude: 132° 38' 42"W (NAD83, UTM Zone 8, 625500 E by 6815900 N).

Access to the property is by helicopter, with the nearest base in Ross River. Gear and personnel mobilization can be carried out from the Ketza River Mine road located roughly 28 km northeast of the property center.

## PHYSIOGRAPHY

The claims cover alpine to subalpine terrain within the St. Cyr Range of the Pelly Mountains. They overlie an East-west, to northeast-trending ridge, which reduces in elevation from its highpoint at the western end of the property towards the east and northeast. Elevations on the claims range from 1300 to 2000 meters, with topography ranging from relatively subdued in the cirque valley bottom to moderate for most of the remaining slopes except for the north facing slope, or south cirque wall which is extreme. Below 1550 meters, within the valley bottom area underlying the north-central claim area, bedrock exposure is significantly reduced (5 to 10%) due to cover by low-lying vegetation. Above this elevation exposure is significantly improved, more moderate 10 – 20 % with a thin veneer of colluvium or talus typically developed.

## TENURE DESCRIPTION

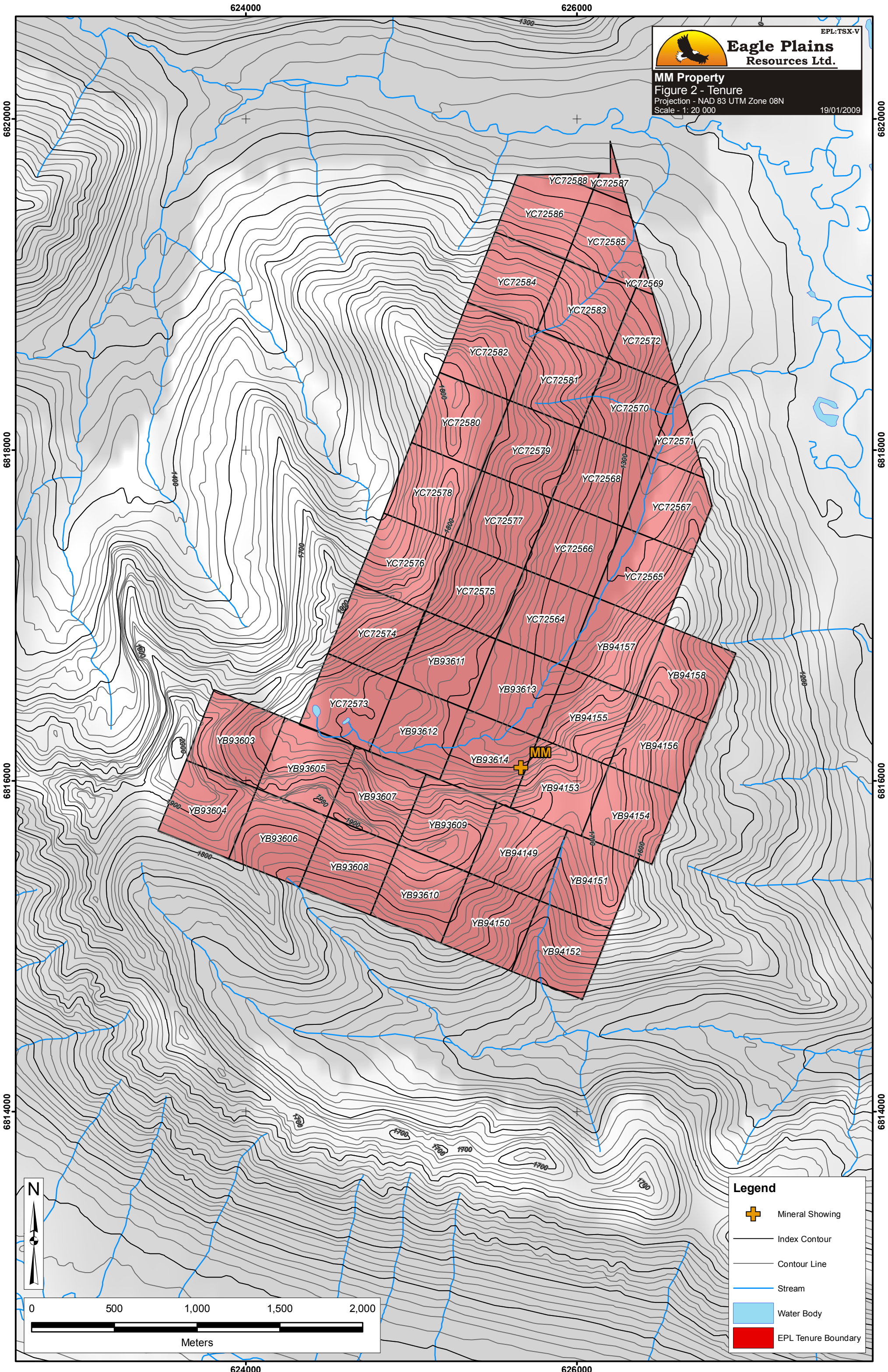
The MM Claim group consists of 22 unsurveyed continuous claims (Figure 2) covering an area of approximately 4.6 square kms within the Watson Lake Mining District. The property is owned by Eagle Planes Resources Ltd. of Cranbrook, British Columbia.

The following table illustrates the pertinent status of the MM claims

*Table 1: MM Tenure Details*

| Claim Name | Claim Numbers | Grant/Record Number. | Operation Recording Date | Claim Expiry Date |
|------------|---------------|----------------------|--------------------------|-------------------|
| MM         | 1-12          | YB93603 - YB93614    | 2002-02-11               | 2008-02-11        |
| MM         | 13-22         | YB94149 - YB94158    | 2002-07-29               | 2010-07-29        |

Above information obtained from the Yukon Government, Department of Energy Mines and Resources web site on July 09, 2007.





**Eagle Plains  
Resources Ltd.**

**MM Property**  
Figure 2 - Tenure  
Projection - NAD 83 UTM Zone 08N  
Scale - 1: 20 000  
19/01/2009

**Legend**



Mineral Showing



Index Contour



Contour Line



Stream



Water Body



EPL Tenure Boundary

## REGIONAL GEOLOGICAL SETTING

The volcano-sedimentary rocks which host the Wolf and MM deposits as well as Eagle Plains Resources EROS and FIRE/ICE/ MELT claims form a narrow arcuate belt that extends 80 kilometres along a northwesterly trend within the Pelly Mountains of the southwestern Yukon (Figure 3). These rocks have been termed the Pelly Mountain Volcanic Belt (PMVB) by Hunt (2002) and are characterized by high potassium content and, locally, bedded barite and volcanogenic sulphide mineralization. The PMVB is early to middle Paleozoic in age and occurs within the Pelly-Cassiar Platform, considered to be part of ancestral North America (Templeman-Kluit, 1977). The tectonic framework for the Pelly Mountains area is described by Gabrielse and Yorath (1991), Templeman-Kluit and Blusson, (1977) and Gordey (1977) and is summarized below.

The miogeoclinal sequence and related rocks, which underlie much of the Pelly Mountains, are part of a large area about 70km wide and 600km long that is referred to as the Pelly-Cassiar Platform (PCP). The PCP formed slightly outboard of, but parallel to the ancient craton edge and consisted of a thick accumulation of volcanic rocks and related sediments upon which shallow water sedimentation, predominantly carbonate, took place until late Devonian time. To the northeast of the PCP during late Proterozoic through to Silurian time, a sequence of shallow water carbonates, tuffaceous shale and andesitic rocks were deposited on the western edge of ancestral North America in the Selwyn Basin and, to the south, in the Kechika Trough.

During late Devonian to Mississippian time, shale, greywacke, and chert pebble conglomerate was deposited over much of the PCP and Selwyn Basin. These rocks were derived from a westerly source, or from locally uplifted parts of the PCP. Felsic igneous activity, including intrusion and volcanism, occurred locally within the PCP, possibly within rifts or graben-like structures created by variable uplift and block faulting within the platformal rocks. Sedimentation resumed within PCP sub-basins during the Upper Triassic.

Deformation of the Paleozoic rocks took place post-Late Triassic and consisted of compression and/or transpression along a northeasterly axis which resulted in northwesterly trending and northeasterly verging folds and southwesterly dipping thrust faults. The Anvil-Campbell allochthon, part of the Omineca Crystalline belt, was emplaced during this event as a large thrust-sheet and is now preserved as local klippen on mountain ridges. An anastomosing system of steeply dipping, strike-slip faults related to movement along the northwesterly trending Tintina Fault cuts the folds and thrust faults and extends for up to 20 kilometres southwest of the Tintina Trench. Late normal faults cross-cut earlier structures and divide theregion into a number of panels which commonly represent different structural levels. Cretaceous intrusions develop thermal and structural aureoles in the western part of the Pelly Mountains. Metamorphism and degree of deformation varies from block to block but generally increases in a westerly direction and varies from lower to upper greenschist facies.

The Pelly Mountains Volcanic Belt is composed of localized volcanic centres separated by basins in-filled with sediments and volcanoclastic rocks. Associated with these volcanic rocks are at least two occurrences VMS mineralization (the Wolf and the MM occurrences) and a number of historical showings, including the Chzerpnough (FIRE claims), the BNOB (ICE claims) and the EROS (Figure 3).

The volcanic rocks are predominantly felsic, but in some areas significant accumulations of andesite to basalt occur. The most common feature of the belt are flows, epi-zonal sills, and small plugs of trachyte. The trachyte flows and/or sills are laterally very extensive, probably due to low magmatic viscosity caused in part by high alkali element content. Typically the trachyte contains significant amounts of pyrite which gives rise to extensive gossans. The trachytes are commonly cream coloured, with very fine to medium grained phenocrysts of feldspar and rare quartz and are locally massive, amygdaloidal or brecciated. Syenite intrusions have been noted at a number of locations within the PMVB (Mortensen, 1981; Morin, 1977) and are thought to be rounded plugs which represent volcanic feeders. Although they may still represent volcanic feeders, drill data from the Wolf and ICE properties indicates that the syenite intrusions are sills.

The structural and stratigraphic relationship of the Pelly Mountains Volcanic Belt with other parts of the Pelly-Cassiar Platform is not always clear. In the southern part of the belt near the Wolf deposit, the PMVB rocks are separated from platformal carbonates and associated sediments by thrust, and possibly, steeply dipping normal faults. In the northeastern most part of the belt, immediately northeast of Ketza River Mine site, the volcanic sequence is very thin (+/- 100m) and is overlain by chert and chert pebble conglomerate and underlain by shale. Both contacts appear conformable but are not well exposed.

The shale and conglomerate are considered age equivalent with the volcanic rocks that have been mapped in conformable relationships by Gordey (1977). On the FIRE (Chzerpnough) and Tree claim area, the PMVB appears to conformably overlie, and in places be intercalated with, a relatively thick sequence of shale and minor

greywacke. Similarly on the Mamu property, adjacent to the McConnell River, volcanic rocks conformably overlie an extensive shale-greywacke sequence. On the ICE (BNOB) property, between the Tree-FIRE and Mamu properties, the volcanic rocks are surrounded by an argillite-limestone sequence that appears to be continuous with the shale-sequence of the FIRE property. Gordey (1977) describes a Siluro-Devonian assemblage of shallow water dolomite and platy siltstone which represent a stable marine carbonate bank environment, and are supposed basement for the PMVB. The Siluro-Devonian siltstones, however, are quartz bearing and tan weathering and do not seem to be a good match with the shale attached to the Pelly Mountain volcanic rocks. Similarly, the younger Triassic sedimentary package has not been observed in contact with PMVB. Consequently, there is little or no contact information that gives a clear indication of the tectono-stratigraphic environment in which the PMVB was deposited other than the nature of the rocks within the belt itself.

The platformal setting on the continental margin, the high potassium geochemistry of the volcanic rocks, and the presence of bedded barite and volcanogenic massive sulphide deposits indicate that the Pelly Mountain Volcanic Belt was likely deposited in a continental rift-type environment (Mortensen and Godwin, 1982). The coarse volcanic debris flows that overlie the Wolf deposit indicate a high energy environment consistent with a graben type structure.

## MM PROPERTY GEOLOGY

For the purposes of geological mapping exposure within this relatively small property area is exceptional. A well exposed cirque with significant vertical relief provides an excellent opportunity to establish relationships between three distinctive lithotectonic elements (Figures 4a and 4b). Three distinctive lithotectonic elements or "terrane" underlie the immediate property area and these are structurally stacked along low-angle thrust faults. Pelly Mountain Volcanic Belt rocks of interest in this area sit in part, tectonically below a packages of Silurian to Devonian and Early Cambrian, phyllitic and carbonaceous sedimentary rocks along flat-lying thrust faults. The faulted contact above Pelly Mountain volcanic belt rocks contain discontinuous, attenuated lenses of serpentinite.

These three assemblages show a characteristic piggy-back style of thrusting in which stacking shows older over younger rock packages. As a result of the structural position of the youngest, Mississippian volcano-sedimentary succession, currently at the base of this structural stack the rocks have largely been recrystallized and deformed.

### Late Cambrian Rosella Formation

This is the structurally highest tectono-stratigraphic unit and underlies the extreme western limits of the MM property. It consists of dark grey to black phyllites and subordinate calc-silicate schists.

### Silurian to Devonian Askin Group

A succession of varied sedimentary lithologies including (1) massive dolostone, (2) well-bedded dolomitic sandstone and (3) fine- to medium-grained mature orthoquartzite, form the immediate hanging wall rocks to Mississippian volcanic stratigraphy of interest.

These rocks dominate at the head of the cirque valley and also form several isolated klippe overlying the volcanic stratigraphy along the east to northeast trending ridge forming the spine of the property area. The smaller, isolated klippe in the central portion of the property consists of buff to light-grey massive dolostone. Further to the northeast the larger klippe consists of thickly bedded, buff to light-grey to orange-brown weathering dolostone interbedded with darker-grey, well-bedded (1-3 cm scale) dolomitic sandstone. At the head of the cirque valley well-bedded buff-white to light-grey orthoquartzite are interbedded with on the 1 to 3 centimeter scale with darker grey dolomite and/or dolomitic sandstone beds.

### Upper Devonian to Lower Mississippian PMVB Rocks

PMVB rocks in the property consist of intermediate and subordinate felsic volcanic rocks and overlying black shales/phyllites with lesser fine- to medium-grained volcanic wackie and black chert. The intermediate to felsic volcanic rocks immediately overlie and also intrude underlying mafic volcanic rocks that are tentatively assigned to the Late Paleozoic Anvil Assemblage.

Within the MM property area this package of rocks shows a transition from those that locally preserve remnant primary textures, upward into a package of footwall rocks immediately below the flat, terrane-bounding suture that are often complexly folded and converted to phyllosilicate rich metamorphic schists in which primary textures are often obliterated. Within the metamorphic folded schistose zone remnant textures are not well preserved and all rocks are tightly isoclinally folded.

Contacts between the individual units are best described as contact zones over distances of one to two hundred meters wide, perpendicular to the strike of the  $S_1$  metamorphic fabric. Within such contact zones units on either side of the contact typically alternate over intervals of metres to tens of metres which are a result of the tight isoclinal folding are inter tongued with one another.

### Black Phyllite

This unit is dominated by dark-grey to black patchy rusty weathering phyllite with local intervals of more massive medium-grained wacke and chert. The phyllitic unit often contains several percent secondary sericite which imparts a characteristic silver-grey sheen to the unit. Locally where not as highly deformed the unit is darker in colour, preserves bedding and displays a well developed cleavage. Most outcrops of the unit contain some component of felsic volcanic rocks usually several tens of centimetres with local intervals one to two metres in thickness. Felsic intervals are usually recrystallized and schistose and lack primary textures however, most are interpreted as tuffaceous intervals but may also locally represent flows or sills. Such relationships suggest that sedimentation is contemporaneous with felsic to intermediate volcanism.

### **Felsic to intermediate volcanoclastic and felsic flow/tuff unit**

Felsic to intermediate volcanic rocks form visually distinctive units due to their lighter buff tan-yellow and often gossanous weathering appearance relative to the darker overlying black phyllites and underlying dark green to black mafic volcanic units. The intermediate volcanic unit is by far the more dominant of the two with the felsic volcanic rocks forming subordinate intervals and lenses within the volcanic pile. Both the intermediate and felsic volcanics are now largely converted to schistose rocks. The felsic volcanic rocks are best described as quartz-sericite±pyrite schists. In contrast, the intermediate volcanic rocks quartz-sericite-chlorite\biotite schist are typically darker in colour and display a characteristic mottled appearance due to the added presence of the mafic minerals which is generally in the range of 5 to 15%.

### **Late Paleozoic Anvil Assemblage**

Anvil assemblage rocks in the MM property include both ultramafic rocks and mafic volcanic rocks.

#### **Ultramafic Rocks (Serpentinite)**

Ultramafic rocks on the property occur in the form of serpentinite and are restricted to the thrust faulted contact zone between footwall Pelly Mountain volcano-sedimentary rocks and hanging wall Silurian to Devonian Askin Group sediments. These have the characteristic serpentine light to dark grey-blue wispy appearance, are medium to fine-grained and massive and typically moderately to strongly magnetic. The individual serpentinite lenses reach a maximum thickness of several hundred metres but thin laterally to form discontinuous lenses along the faulted contact zone.

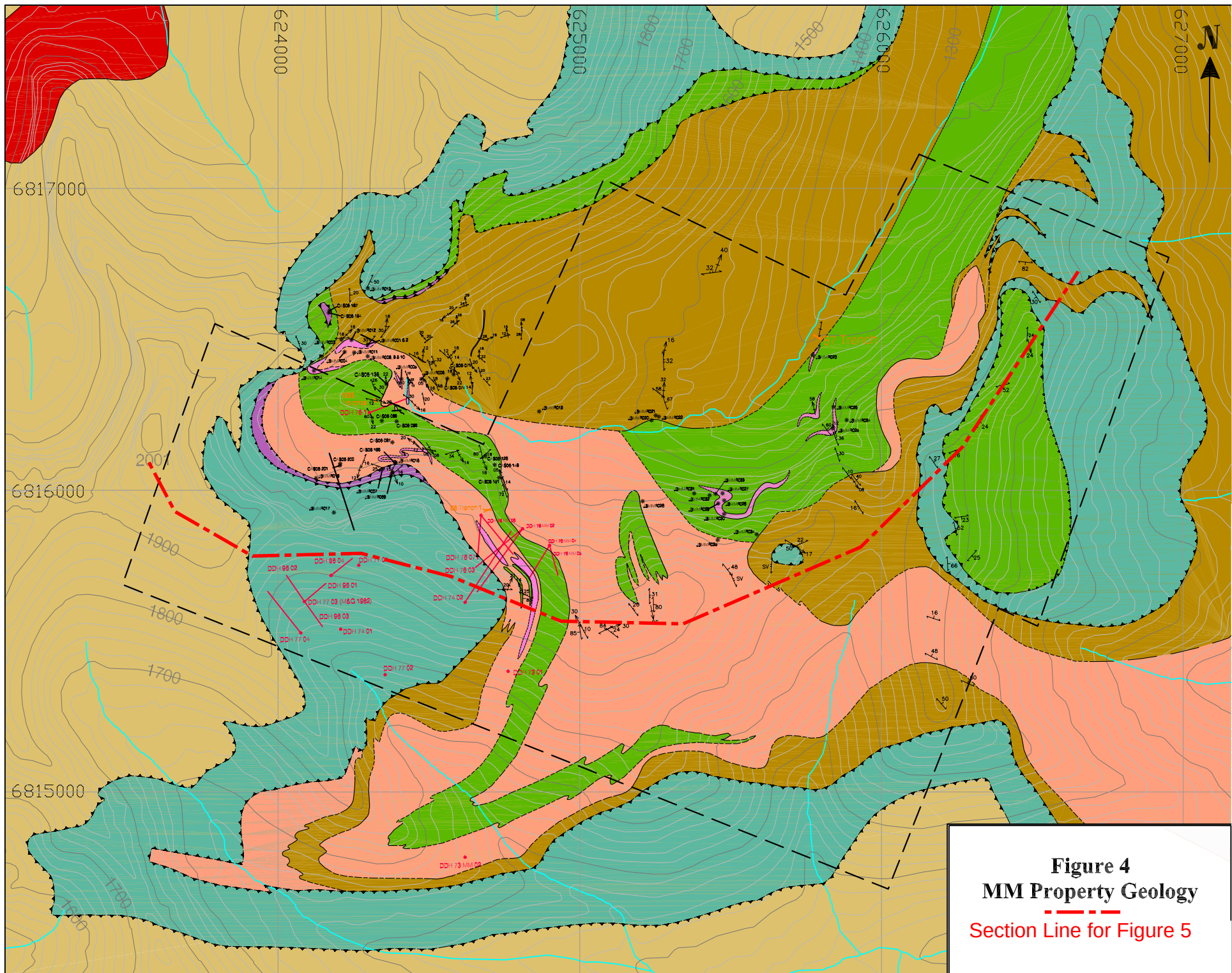
#### **Mafic Metavolcanic Rocks**

The unit is typically dark-green weathering and texturally highly varied. Relict primary textures are locally well preserved in the more massive mafic volcanic rocks. These are typically fine to medium-grained and aphanitic (Photo 1) but may locally display several percent phenocrysts of amphibole (after pyroxene?). Relict pillowed structures are not common, but may be preserved locally (Photo 2) near the upper contact of the unit with the overlying felsic volcanic rocks. Usually, however as is characteristic of all footwall lithologies the unit displays the effects of superimposed deformation and related recrystallization. This can range from the development of a spaced schistosity cleavage (Photo 3) to complete recrystallization where the rocks are converted to chlorite-sericite schists (Photo 4) in which there is a distinct change to a lighter grey-green weathering colour. Such rocks are more common proximal to the hanging wall thrust fault.

### **Intrusive Rocks**

The only rocks identified on the property interpreted to be intrusive are represented by fine-grained felsic dikes and are interpreted to be the sub volcanic feeders to the mineralized felsic volcanic rocks which have been the focus of exploration activity. Small subvolcanic bodies of massive, medium- to fine-grained syenite intrude the intermediate to felsic volcanic rocks to the north east, however no such bodies have been identified on the property to date.

To the immediate southwest, the property is bordered by the vast northwest-trending, mid-Cretaceous Nisutlin Batholith (Tempelman-Kluit, 1977), which is correlative with the regionally extensive Cassiar Suite. This is a light-grey weathering, medium to coarse-grained biotite granodiorite and quartz monzonite which is in part porphyritic with pinkish K-feldspar phenocrysts. A small isolated body granodiorite intrudes Kachika Group sediments to the northwest of the property area (Figure 3), but none has been identified on the property to date. The mid-Cretaceous intrusive event may relate to the hydrothermal activity responsible for metasomatic sulphide mineralization developed within the serpentinite unit.



## LEGEND

### UPPER DEVONIAN - LOWER MISSISSIPPIAN

Earn / Cassiar Assemblage



**Black phyllite:** light to dark grey, fine to medium-grained; often sericitic and highly fissile, local interbeds of medium grained tuffaceous sandstone and minor black chert. Foliated tuffaceous shale were less deformed.



**Felsic metavolcanics:** light beige to buff-tan, rusty-brown weathering, fine to medium-grained quartz sericite schist, commonly pyritic with local concentrations up to 20%. Relict primary textures as fine tuffaceous layers or more massive sills and/or dikes are locally preserved.



**Intermediate metavolcanics:** light-grey, fine to medium-grained; interbedded on the meter to centimeter scale with dark grey siltstone/mudstone. Minor pebble conglomerate and limestone interbeds.

### MIDDLE to LATE PALEOZOIC (?)

Anvil-Campbell Ophiolitic Assemblage



**Ophiolite:** mainly mafic volcanic, partly altered green volcanic, greenstone, meta diorite; minor serpentinite and amphibolite (Subunit 6a of Wheeler, 1960, may in part correlate with mafic volcanic/greenstone correlated with the Kechika Group.



**Serpentinite:** mottled light and dark green with local zones of cryptolite; local intervals of partial sulphide (pyrite) - oxide (magnetite) replacement

### SILURIAN - DEVONIAN

Askin Group



**Orthoquartzite and dolomite:** light-grey, medium to light grey, fine to medium-grained; mature orthoquartzite and sandy dolomite.

### EARLY CAMBRIAN

Rosella Group



**Calc silicate schist and calcareous phyllite:** medium to dark brown, moderately bedded.

## INTRUSIVE ROCKS

### mid CRETACEOUS

Cassiar Suite



**Granite and biotite quartz monzonite:** medium to coarse-grained, equigranular to K-feldspar porphyritic; includes biotite-hornblende quartz monzonite and granodiorite.

## SYMBOLS

|                                                           |  |
|-----------------------------------------------------------|--|
| Contact (defined, approximate, inferred).....             |  |
| Fault (defined, approximate, inferred).....               |  |
| Contact (defined, approximate, inferred).....             |  |
| S1 Foliation (inclined, vertical).....                    |  |
| S2 Foliation (inclined, vertical).....                    |  |
| Minor fold hinge line (inclined).....                     |  |
| 2006 rock assay sample (Tables 3 & 4) .....               |  |
| Diamond drill hole, year & hole number .....              |  |
| line is orientation of the drill hole, otherwise verticle |  |

## REFERENCES

Geology modified after Jennings (1977)

## CARTOGRAPHIC INFORMATION

North American Datum 1983, UTM Zone 8; Transverse Mercator Projection.  
Contour interval in meters.

## Eagle Plains Resources Ltd.

## MM Property Geology Watson Lake Mining District, Yukon

By: Chris H. Ash, MSc, PGeo

NTS 115F/07

July 2007

Figure 4b

## MINERALIZATION

At least three distinct styles of mineralization have been identified on the MM property. The first is interpreted to be a classic VMS style of mineralization for which the MM property has been historically evaluated (Sinclair and Gilbert, 1975; Morin, 1977; Tempelman-Kluit, *et al.* 1977; Mortensen, 1979, 1982; Mortensen and Godwin, 1982; Hunt 2002) and is constrained to the footwall Mississippian volcanic succession. The second is a style of semi-massive sulphide (pyrite) -oxide (magnetite) replacement associated with the metasomatically-altered, tectonized basal contact zone of the serpentinite, not previously described. A third style of Pb-Zn mineralization is restricted to the hanging wall limestone unit.

### VMS Mineralization

The authors of this report have had limited opportunity to examine the drill core from the MM property, currently stored at the former Faro Mine site, 54 kilometers northwest of Ross River. As a result characterization of the previously identified VMS mineralization relies partially both published and unpublished (company) reports.

Zn-Pb-Cu VMS mineralization on the MM property consists of zones and stringers of semi-massive to massive pyrite with sphalerite, lesser galena and rare chalcopyrite. Individual mineralized zones are often spatially associated with intervals of barite. Intersections of massive sulphide range from several 10's of centimetres to a reported maximum thickness of 2 metres.

There is a distinct lack of continuity in the individual VMS intervals intersected from one hole to the next closely spaced hole. The lack of continuity in mineralized intervals is most likely attributed to the degree of deformation (folding, shearing and attenuation) affecting the area tested by exploration drilling to date, i.e. being immediately below a major terrane-bounding thrust fault zone.

There is also considerable variability in the relative abundances for the range of base and precious metals analyzed. Cu abundances in particular demonstrate this variability. Mortensen and Godwin (1981) reported two intervals from DDH 77-03 with 1 to 2 % Cu, however subsequent angled drill holes collared from the same point as the vertical 1977 drill hold was not successful in identifying any significant intersections with comparable copper grades.

An assessment of the available data sets to characterize the VMS mineralization (Ash, 2007) indicates that:

- 1) Zn is relatively abundant in association with pyrite in all styles of VMS mineralization identified.
- 2) Abundances of Pb are often anomalous in association with elevated Zn concentrations but it is generally present in subordinate amounts relative to Zn.
- 3) Cu is in general only weakly anomalous in some elevated areas of Pb and Zn, with occasional areas of enrichment, but not particularly abundant in assays of mineralized samples assayed from the property to date.
- 4) Barite horizons are particularly enriched in Ag and commonly but not always with Pb.
- 5) High-grade zones of mineralization are commonly associated with pyrrhotite and/or magnetite and are often strongly to moderately magnetic.

Prospecting and sampling in 2006 and 2007 was successful in identifying two new zones of elevated metal concentrations. The first is associated with a quartz-sericite-pyrite schist interval sandwiched between sericite-chlorite altered intermediate volcanics above (southwest) and chlorite-carbonate altered mafic volcanics below (northeast) (*Cliff Zone*: Figure 7). Three of seven samples collected from this felsic interval returned significantly anomalous values with up to 39 ppm Ag, 1.3% Pb, 4.4% Zn, and 0.26% Cu (Ash et al., 2007).

The second area of anomalous sampling is situated 340 metres northwest of the previous location, herein referred to as the *Central zone* (Figure 7). Three of the samples collected from this area in 2006 (JBMMR020, 021 and 022) returned elevated values for both Zn and Pb. The area was revisited and sampled in 2007 and returned values >10000 ppm Zn, 8011 ppm Pb and 57 ppm Ag (Table 2).

Barium analyzed by XRF in 2007 also verifies the presence of barite at both showings with TMMMR001 returning 1.7% Ba and CAMMR019 returning 51% Ba at the Cliff and Central zones, respectively (Table 2).

Both of these newly identified localities of anomalous mineralization show, as already demonstrated by previous exploration efforts (area of concentrated drilling and 1988 trenches), that volcanogenic sulphide mineralization is concentrated at the contact zone between the overlying intermediate to felsic and underlying mafic volcanic units.

### **Semi Massive Sulphide-Oxide Replacement Mineralization**

This style of mineralization was initially identified as several very gossanous boulders (2 to 4 meters) of serpentinite in the valley bottom at the head of the cirque, the mineralization was traced up slope and found to be sourced from the discontinuous lenses of serpentinite along the thrust-faulted contact. It is constrained to the base of the serpentinite unit and is very distinctive in outcrop forming gossanous zones from 2 to 3 meters wide. ranges from semi-continuous patches of sulphides up to 1.5 centimetres in size and also as discontinuous sulphide stringers which in total comprise from 10 to 30% of the host serpentinite. These mineralized sulphide-rich zones are strongly magnetic suggesting the presence of secondary magnetite.

Analytical results from 2006 returned elevated Ni and Co, likely reflective of their primary ultramafic host lithology (Ash et al., 2007). A number of the samples returned moderately anomalous Cu values (up to 874 ppm) which is consistent with the occasional and relatively isolated areas of malachite staining present on weathered exposures of the mineralized serpentinite.

### **Pb-Zn sulphide bands in dolostone**

A third and fairly restricted style of mineralization is found in thick massive beds of dolostone within the hangingwall Askin Group, well above its structural base. It consists of several widely separated, sub-vertical, sulphide-rich bands from 15 to 30 cms wide that are intensely gossanous and form very apparent rusty-brown stain zones on the buff colored dolostone in this region of extreme vertical relief.

A single assay sample collected in 2006 from one of these massive sulphide bands within the hanging wall limestone unit showed elevated levels of Pb and Zinc (Ash et al., 2007).

Although relatively enriched in Pb and Zn, this style of mineralization is localized and considered minor, at least where identified on the property to date and not considered worthy of additional exploration attention.

## 2007 EXPLORATION WORK

### Geological Mapping and Sampling

The 2007 work program at the MM comprised mapping, prospecting and soil sampling towards the eastern half of the property, and into newly staked units in the fall of 2007. In all, 10-person days of work were completed and resulted in the collection and analysis of 43 rock samples, 20 of which were for whole rock analysis, plus 33 soil samples. Barium was determined separately by XRF analysis for all rock and soil samples. Results are plotted in figure 6, described in Tables 2 to 4, and tabulated in appendix III.

Fieldwork was completed by geologists Chris Ash and Thomas Mumford. Access to the property was with Trans North Helicopters, based out of Ross River, with staging of camp supplies from the Ketza Mine.

Mapping focused on the eastern half of the property to build on 2006 mapping (Figure 4), and to generate a geologic cross-section from the Pigage Trench in tenure MM-11, to the western limit of the property (Figure 5). Particular attention was applied to mineralized rocks at the Central and Cliff Zones (Figure 7; Pictures 1 to 4), stratigraphy and mineralization at the Pigage Trench zone (Picture 1 and Figure 8), and mapping and prospecting of a minor ridge located approximately 1800 meters north of the Pigage Trench (Figure 9), along the suspected extension of the mineralized horizon. Traverse details of the work completed are reproduced from C. Ash notes below:

#### MM Fly Camp Day 1

Worked ridge along western side of property (Figure 8). Start in a mixed package of massive, thick (several meters) tan to rusty brown dolomite with intervals of well bedded (0.5 - 2 cm) grey quartzite and dolostone.

#### MM Fly Camp Day 2

East along creek in Pigage trench area and along MM Ck. Detailed mapping and sampling of trench and extension of trench into MM ck (Figure 8 inset). Mineralized contact zone is steeply dipping.

#### MM Fly Camp Day 2

Return to zone of mineralization to lay out soil grid for Thomas and map the surrounding detailed geology to establish stratigraphic/structural setting of trench-creek zone mineralization (Figure 6,8).

Tight upright folding of black phyllite (bp)\chert -felsic volcanic (fv) and mafic volcanic (mv) rocks. Two characteristic styles of mineralization present. Massive pyrite in non-magnetic, tan-brown altered fv and sulphide bearing, black, magnetic altered mv. An abundance of chert in the bp unit characteristic of this mineralized contact zone.

#### MM Fly Camp Day 3

Move from camp up steep drainage directly SE from fly camp (Figure 8). Map northern side of drainage to top of ridge then south along ridge to southern limit of property.

Through section of mixed mv-fv dominated by mv overlain by fv then black phyllite (bp) then through a metasomatized tectonic contact up through hanging wall fol and sheared mv and then overlying Askin dolomites and dolomitic quartzites.

Traverse south along ridge moved tectono-stratigraphically down through similar, but much less deformed section of rock units.

#### MM Property Trav (Revisited) Part I

NE of MM property to examine contact relationship interpreted to be a continuation of the mineralized contact based on both projection based on trend from MM Creek and identification of a prominent gossan from the air (Figure 9). Start in hanging wall

#### MM Property Trav (Revisited) Part II

Evaluating contact relationships associated with the anomaly identified at Central Showing (Figure 7) (JBMMR020-022). SE flowing creek on north side of MM Ck. Barite rich coarse volcanic breccia identified (CAMM213).

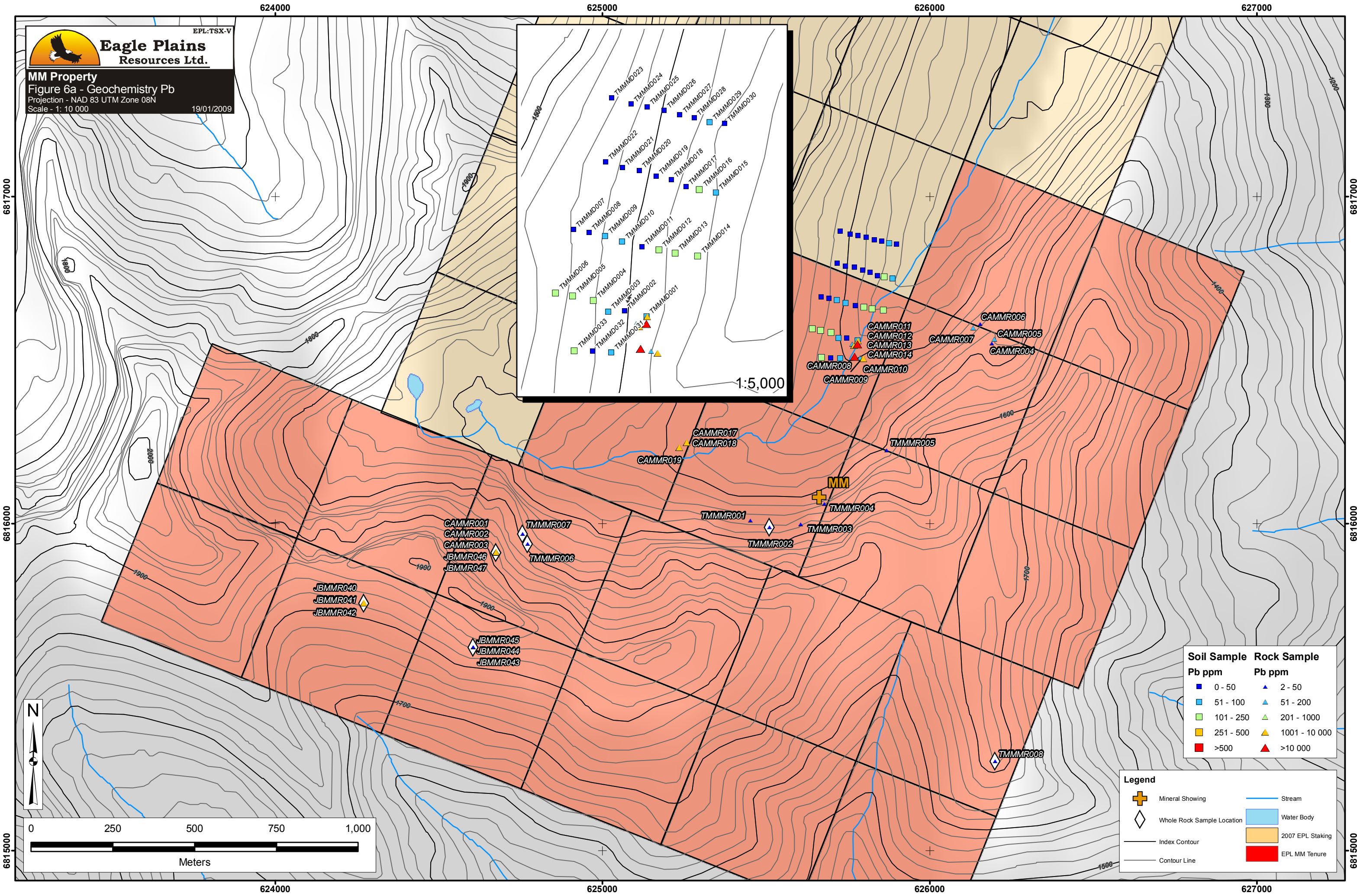
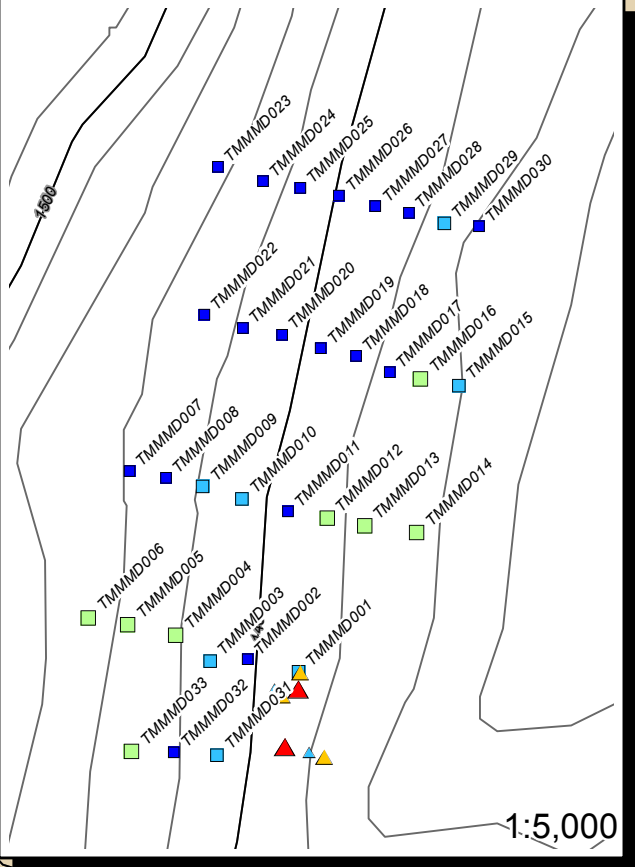


EPL:TSX-V

**Eagle Plains**  
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**MM Property**  
Figure 6a - Geochemistry Pb  
Projection - NAD 83 UTM Zone 08N  
Scale - 1: 10 000

19/01/2009



| Soil Sample Pb ppm | Rock Sample Pb ppm |
|--------------------|--------------------|
| 0 - 50             | 2 - 50             |
| 51 - 100           | 51 - 200           |
| 101 - 250          | 201 - 1000         |
| 251 - 500          | 1001 - 10 000      |
| >500               | >10 000            |

 Mineral Showing

 Whole Rock Sample Location

 Index Contour

 Contour Line

 Stream

 Water Body

 2007 EPL Staking

 EPL MM Tenure



EPL:TSX-V

**Eagle Plains**  
Resources Ltd.

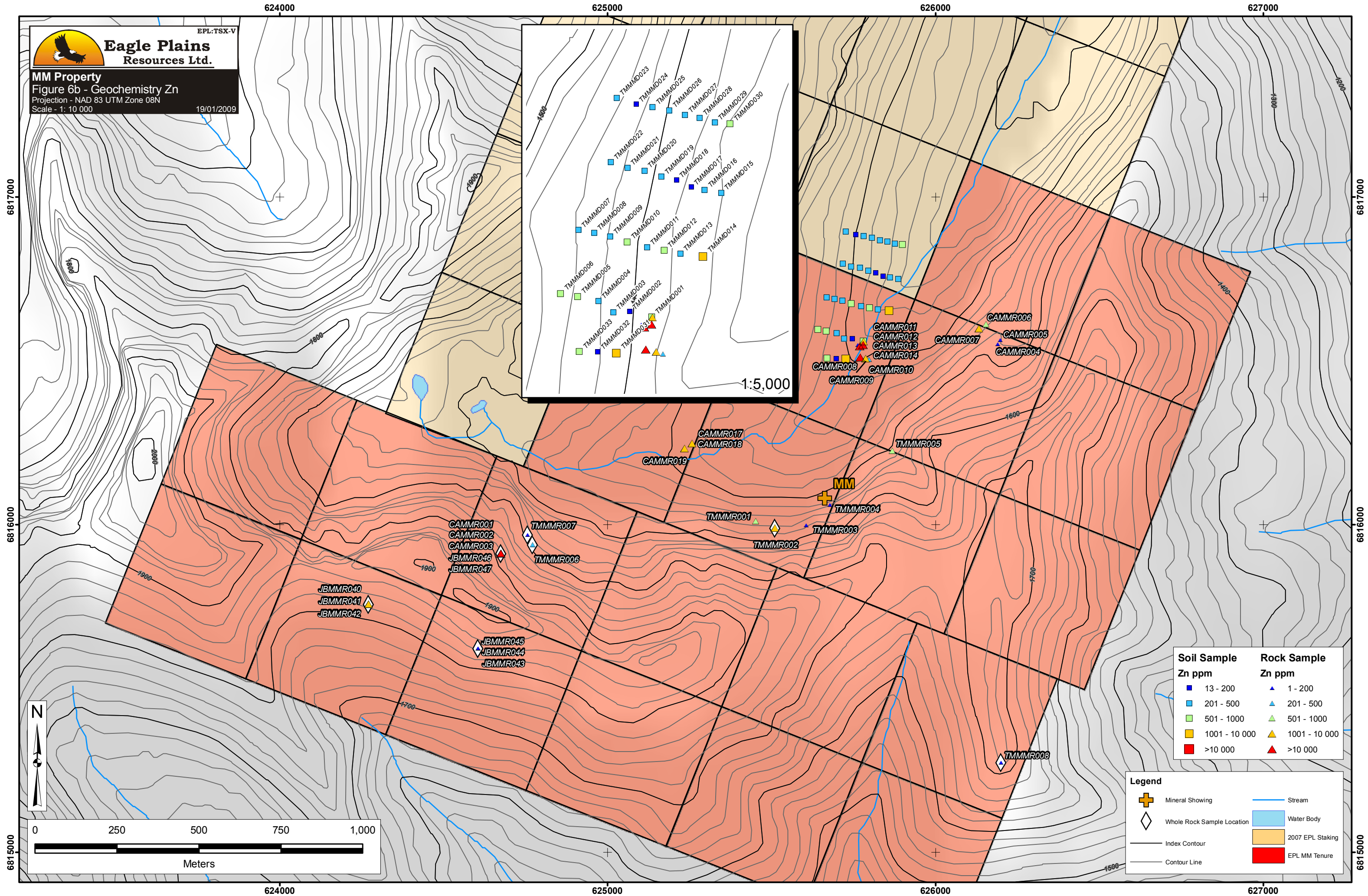
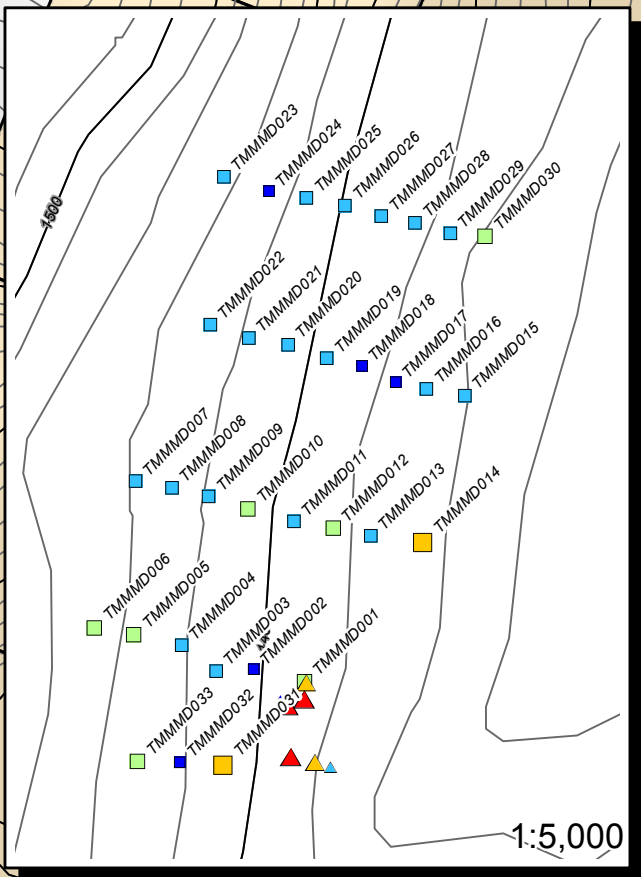
**MM Property**

**Figure 6b - Geochemistry Zn**

Projection - NAD 83 UTM Zone 08N

Scale - 1: 10 000

19/01/2009



| Soil Sample<br>Zn ppm | Rock Sample<br>Zn ppm |
|-----------------------|-----------------------|
| ■ 13 - 200            | ▲ 1 - 200             |
| ■ 201 - 500           | ▲ 201 - 500           |
| ■ 501 - 1000          | ▲ 501 - 1000          |
| ■ 1001 - 10 000       | ▲ 1001 - 10 000       |
| ■ >10 000             | ▲ >10 000             |

**Legend**

 Mineral Showing

 Whole Rock Sample Location

 Index Contour

 Contour Line

 Stream

 Water Body

 2007 EPL Staking

 EPL MM Tenure



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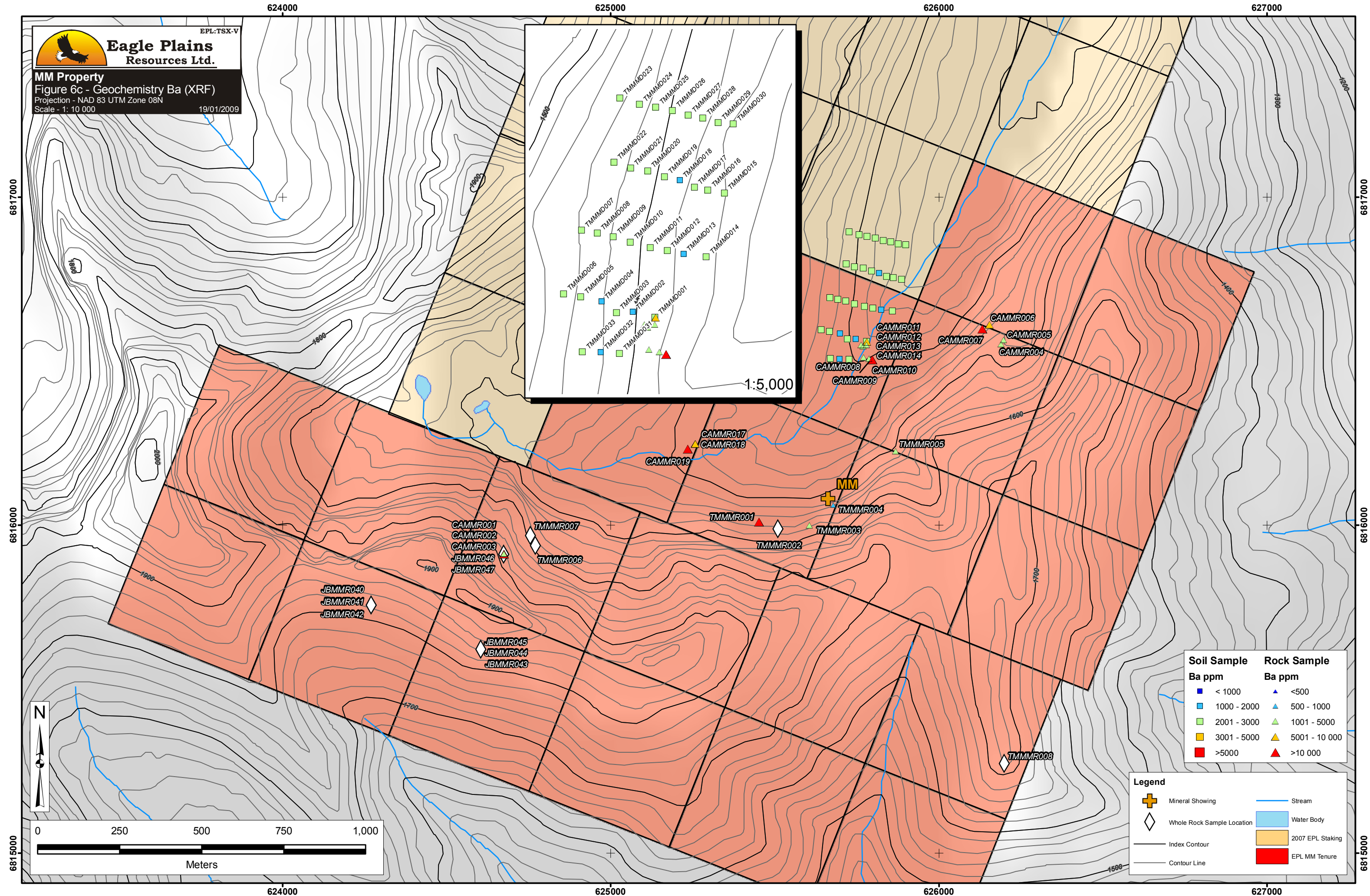
**MM Property**

**Figure 6c - Geochemistry Ba (XRF)**

Projection - NAD 83 UTM Zone 08N

Scale - 1: 10 000

19/01/2009





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EPL:TSX-V

**MM Property**

**Figure 6d - Geochemistry Cu**

Projection - NAD 83 UTM Zone 08N

Scale - 1: 10 000

19/01/2009

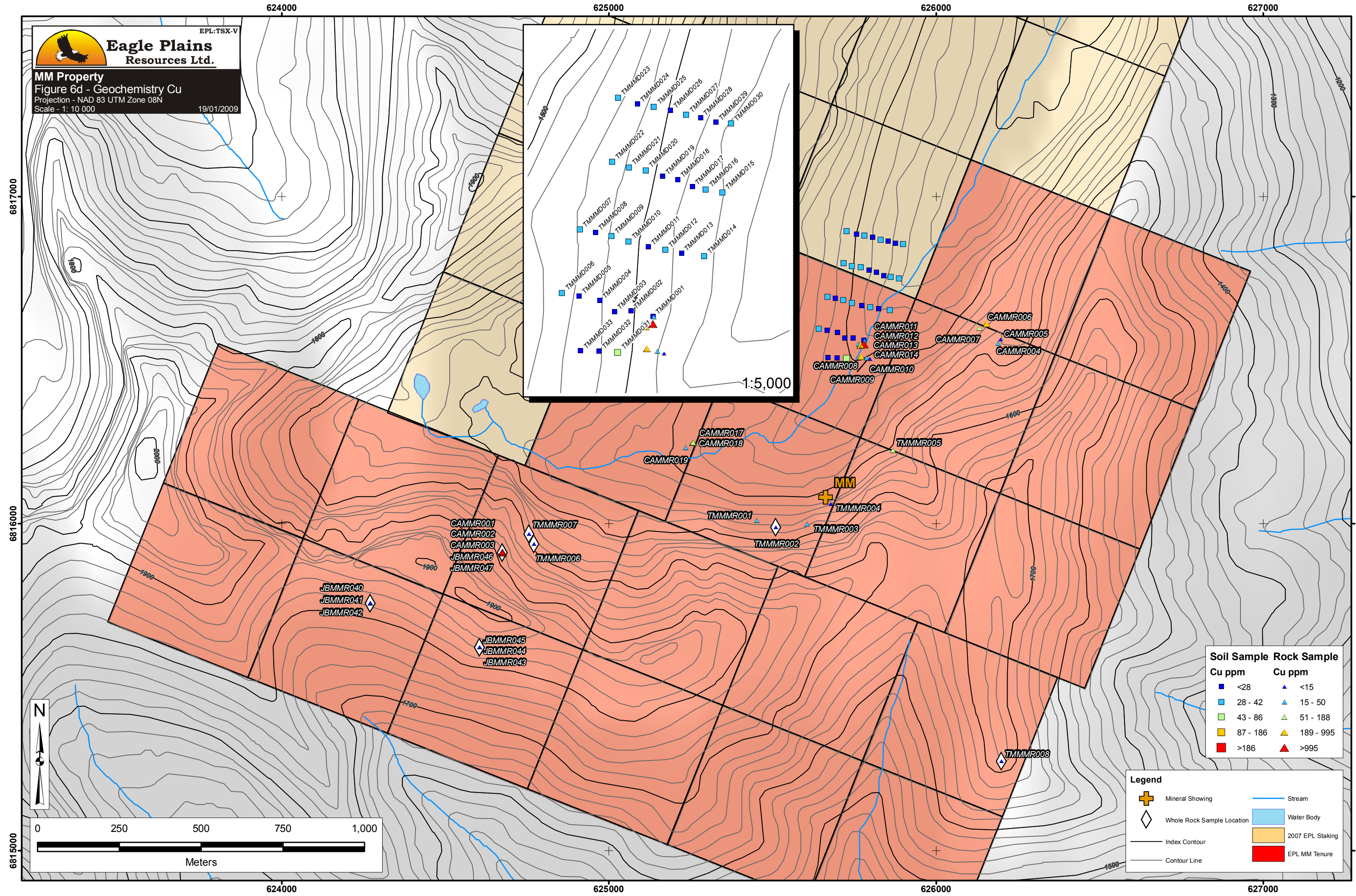
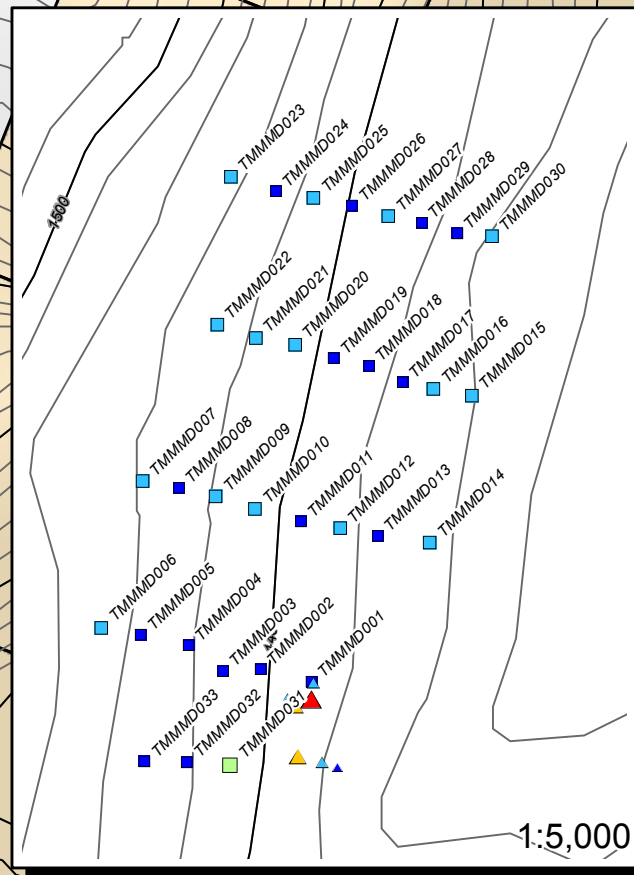
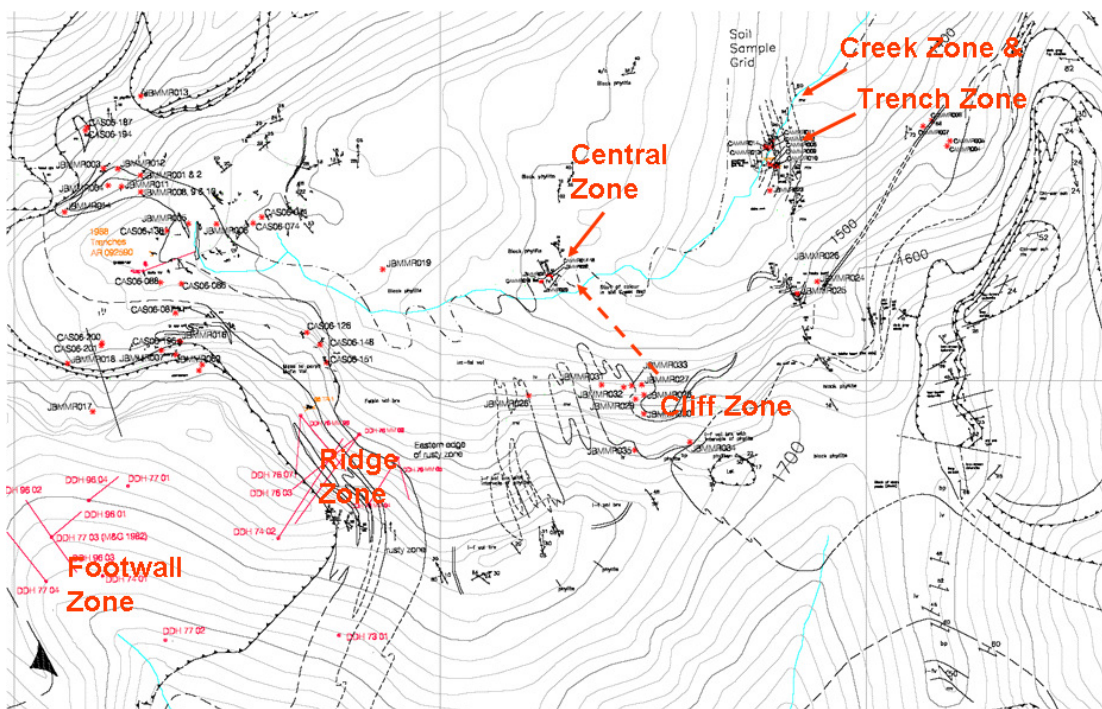
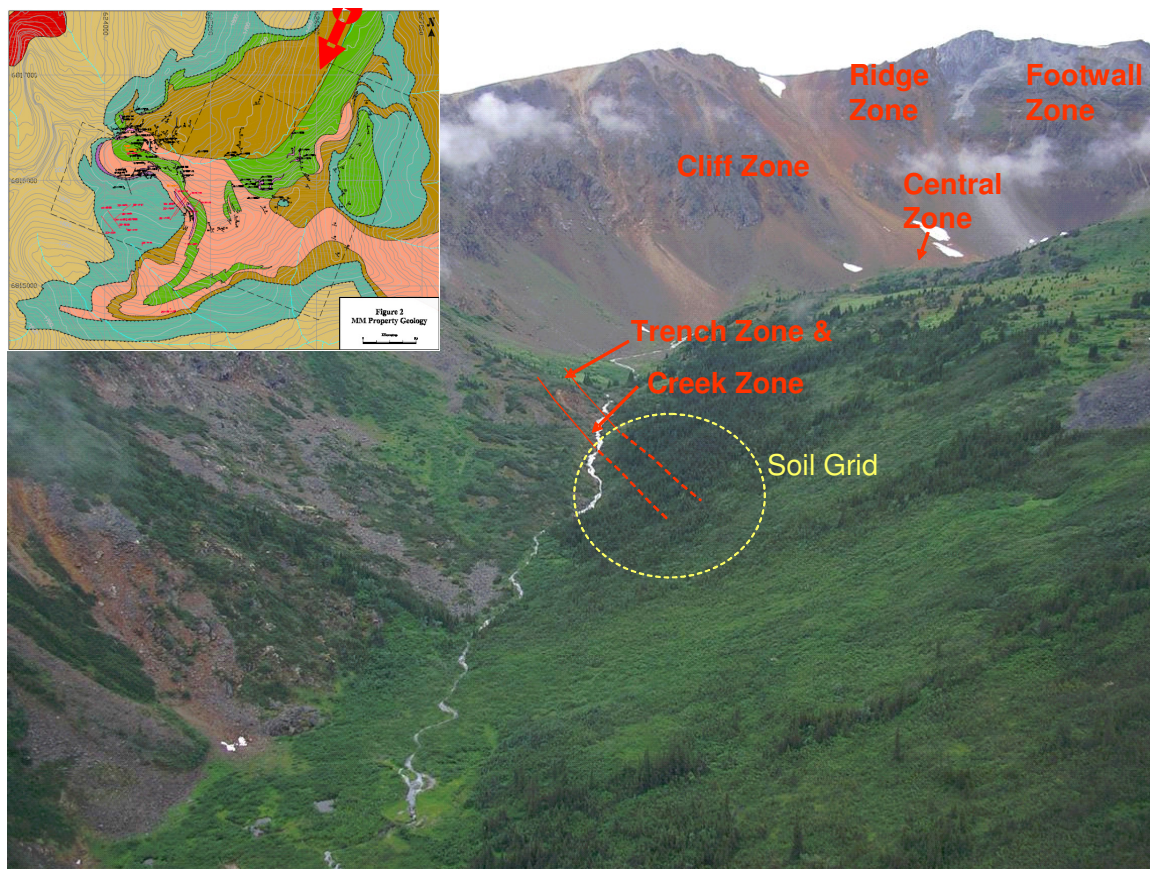


Figure 7 – 2007 Mapping Compilation and Mineralized Zones



Picture 1 – Looking south towards MM mineralized zones



Pictures 2 and 3 – Mineralization at Central and Cliff Zones. Note white staining in creek below mineralization.

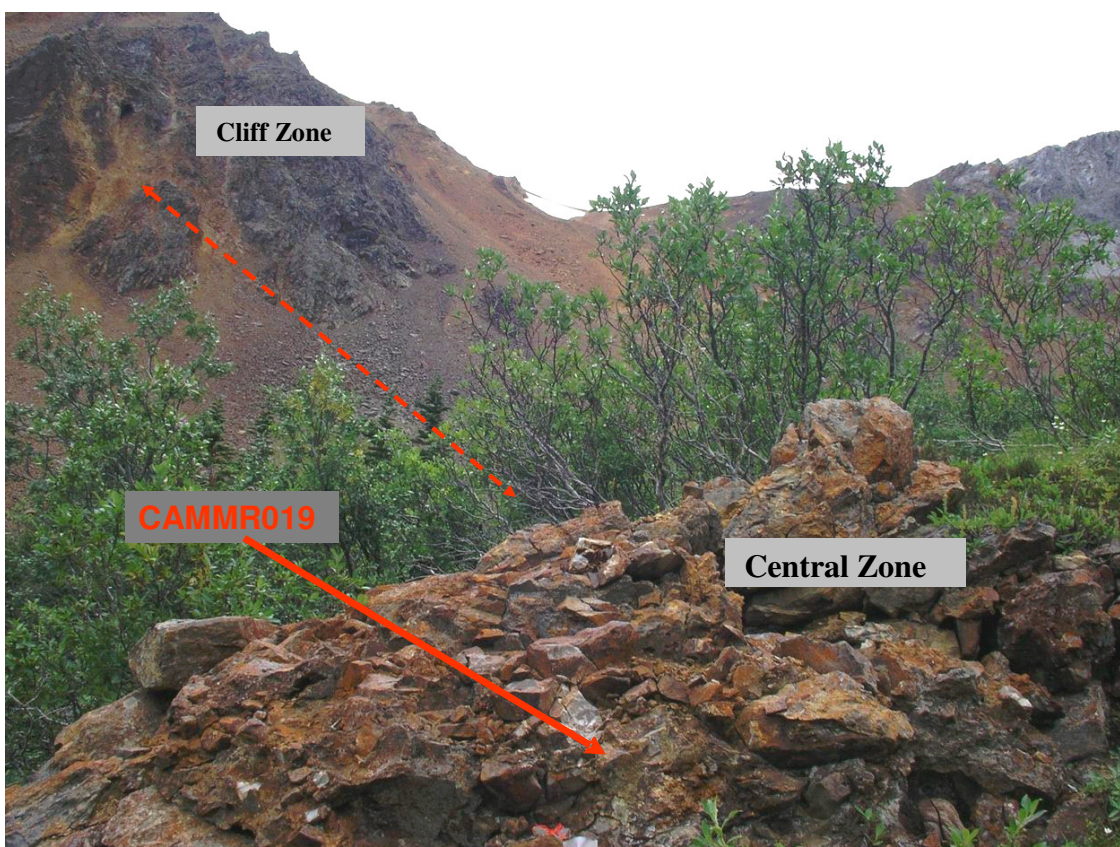
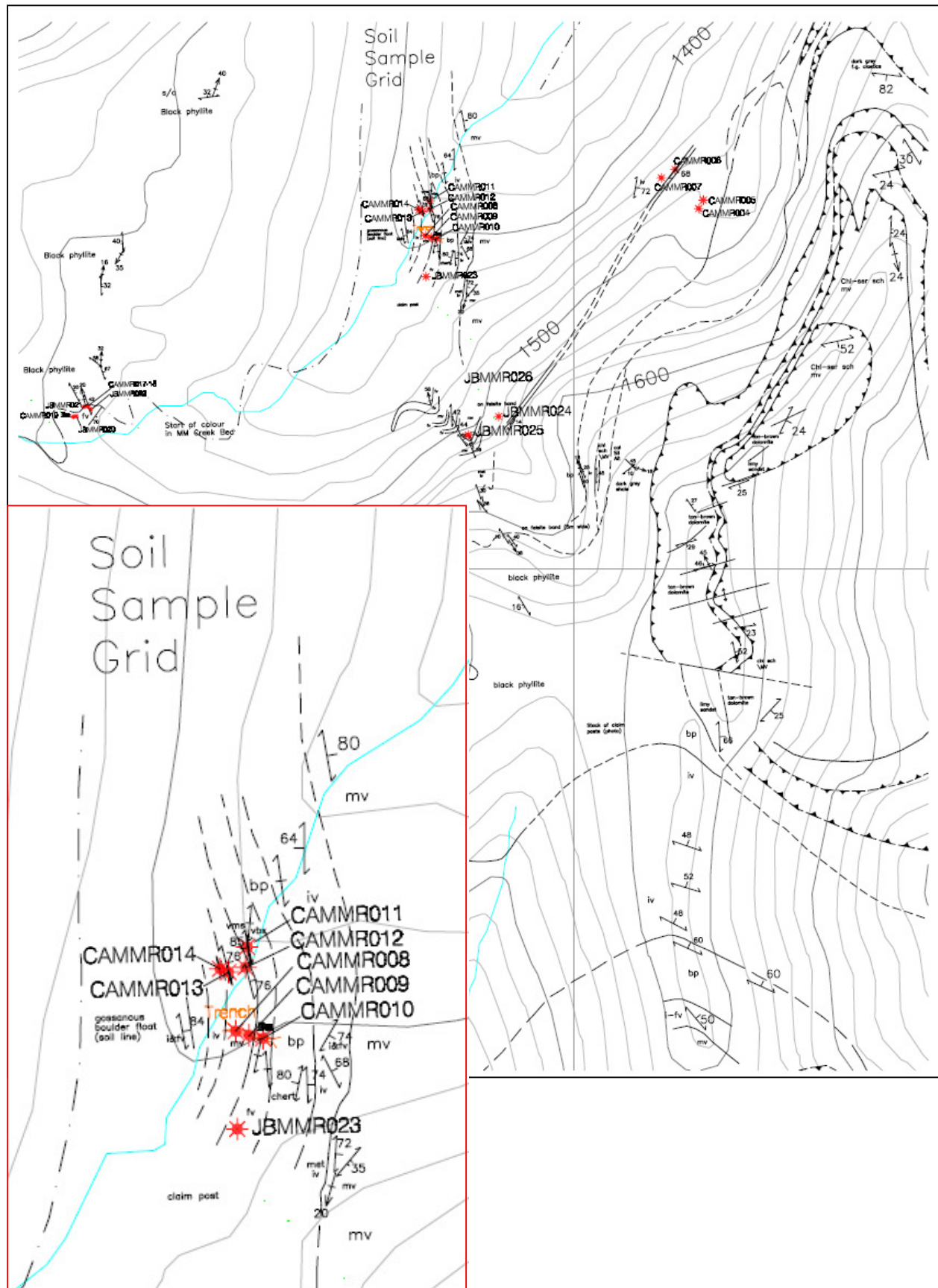


Figure 8 – 2007 Trench and Creek Zone: mapping and Sample Locations



## Pictures 4 and 5 – Creek Zone Mineralization

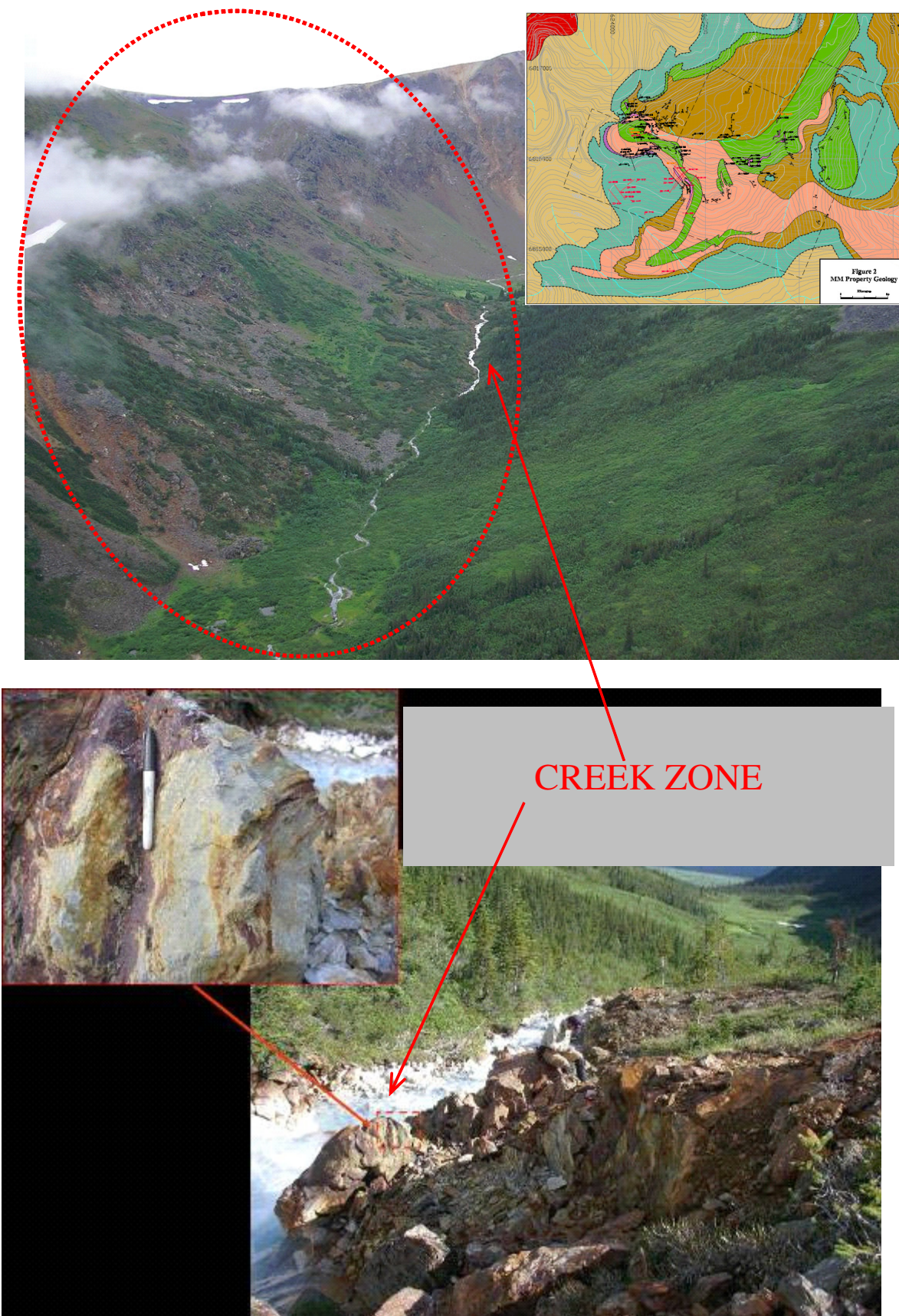
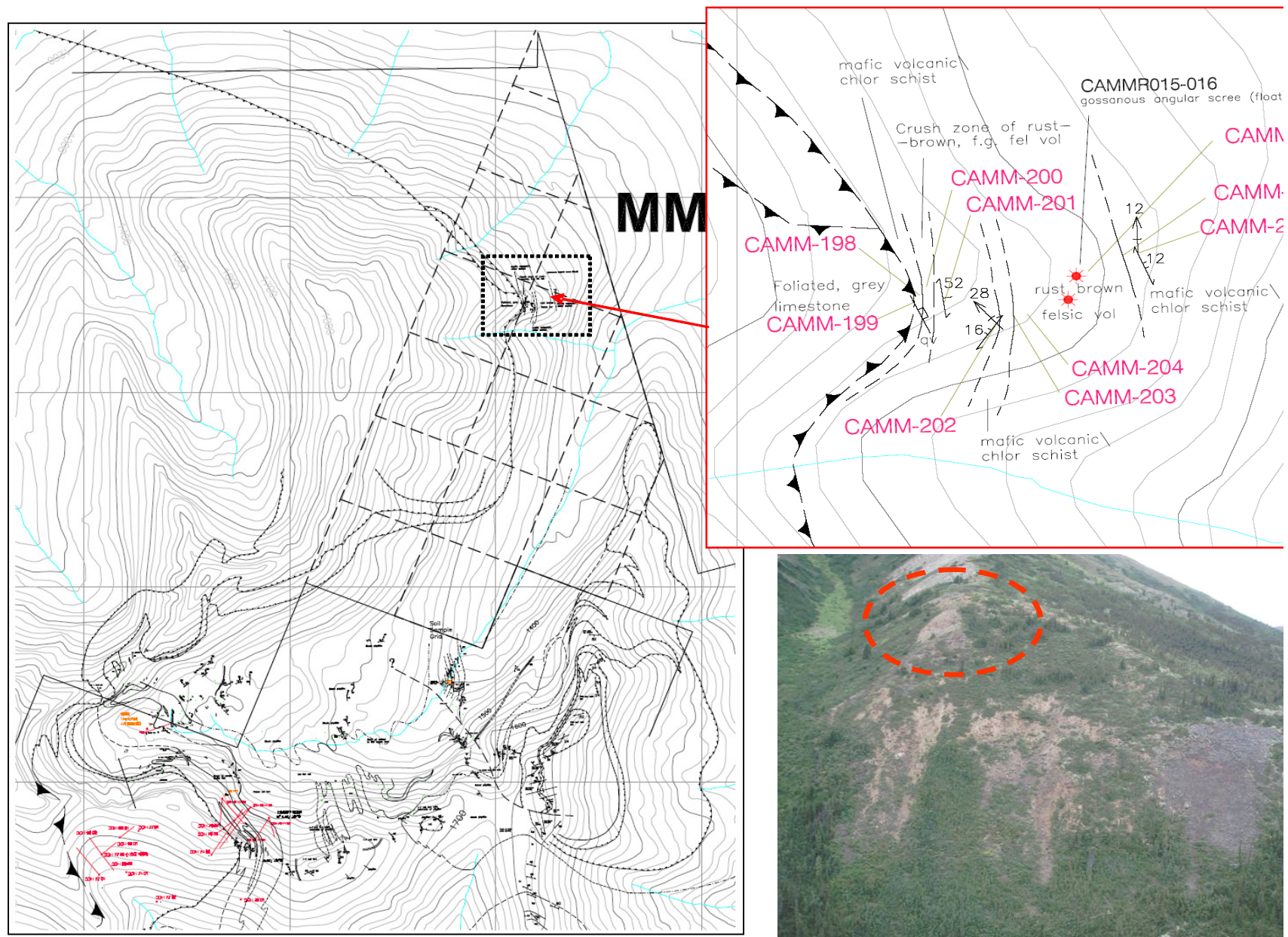


Figure 9 – 2007 North Zone Mapping and Sample Locations



## 2007 EXPLORATION RESULTS

### Mapping and Geologic Cross-section

The section (Figure 5) is a view of the southern wall of the Cirque looking toward the south. The line of the cross-section (Figure 4) is curved and follows the ridge line as it was mapped in relative detail and as such provided geological control. A near continuous section of geological control was also obtained along a line at the base of the cliff face, just above the accessible lower scree slopes. Several areas along the section where accessible were scaled and provided intervals of complete to sometimes partial vertical intervals which helped provide additional control for the section.

Where elevation is very steep as is the case for the northern  $\frac{3}{4}$  of the section, exposure is generally excellent but access to the bulk of these areas is generally very limited if not completely restricted. Contacts however, can be followed visually and projected from known control points. This is particularly evident for contacts between the darker, mafic volcanic and sedimentary units and the lighter intermediate to felsic volcanic rocks. This process was aided by both viewing from a distance using binoculars and the subsequent analysis and interpretation from photos taken from a range of viewing locations, e.g. valley bottom, northern cirque ridge or aerial views from helicopter.

Even with these visual aides for the more inaccessible areas in some instances, the complexity of the contact relationships, usually as a result of tight folding could not be accurately interpreted. This is particularly the case in the central area of the larger, top right photo shown on the cross-section (Figure 5) where the contacts of the Mississippian volcanic stratigraphy in this area immediately below the lighter-grey limestone unit) is complexly folded.

The geology for the east-northeast trending portion of the section at the eastern end of the section is not particularly well represented and is highly simplified. A number of late faults which complicate the contact relationships in this area are not indicated.

A steep fault which in part is seen to juxtapose mafic volcanic and limestone near the ridge line is proposed to account for the sudden and dramatic change in the level of superimposed deformation and recrystallization affecting the rocks. Rocks to the west of this fault which dominate the section show partial to wholesale conversion to schistose rocks which are often folded. In general, there is an increased intensity in the In contrast rock units east of this steep fault are deformed but not recrystallized. Sedimentary rocks in this area preserve bedding and display a well developed cleavage at a high angle to bedding. Intermediate volcanic rocks display primary volcaniclastic textures.

## Mineralization and Rock Samples

Analytical results for mineralization (Table 2) and whole rock analysis (Table 3) are listed below.

Samples CAMMR004 to R007 were collected on the hillside, approximately 250 meters east of the Pigage trench. Here felsic and intermediate volcanics are in proximate contact to black phyllite. CAMMR007 returned weakly anomalous Zn and significant Barium (3.9%) suggesting the presence of barite associated with a 5m wide felsite unit.

Samples CAMMR008 to R010 were collected from the Pigage trench and verify the high grade mineralization there, with one sample returning greater than 13% zinc. A barite horizon is clearly associated with the mineralization.

Samples CAMMR011 to R014 were collected from the Creek zone, located 40 meters north of the Pigage Trench. The stratigraphy and mineralization here is clearly on strike with the units in the trench (Figure 8). The best sample (CAMMR012) returned 3.6% Zn, 1.0% Pb, 18 ppm Ag, and 5900 ppm Cu. Samples from both the Creek and Trench zones highlight the association between mafic lithologies and elevated copper contents.

Samples CAMMR015 and R016 were collected from the new north zone (Figure 9). The two samples of gossanous felsic volcanic scree collected from a sequence comprised of mafic and felsic volcanics in contact with black phyllite, did not return appreciable base metals or barium.

Samples CAMMR017 to R019 were collected from the Central zone in the creek, just upstream of the transition to white stained creek bottom. Assays returned >10000 ppm Zn, 8011 ppm Pb and 57 ppm Ag (Table 2). Recent mapping indicates a likely stratigraphic/structural correlation to rock sequences at the Cliff zone (Figure 7; Pictures 2,3). Note white staining in creek just downstream of suspected crossing of creek by mineralized zone.

Barium analyzed by XRF in 2007 also verifies the presence of barite at both showings with TMMMR001 returning 1.7% Ba and CAMMR019 returning 51% Ba at the Cliff and Central zones, respectively (Table 2).

Whole rock samples in Table 3, are part of an ongoing lithogeochemical sampling program including both the MM and Eagle Plains' nearby Fire/Ice/Melt project believed to be part of the same Pelly Mountain volcanic sequence. The aim of the whole rock data program is to be able to make geochemically guided rock classifications with the goal of using this data to help constrain the location of prospective units. A comprehensive lithogeochemical data set could also help to define possible paleo-volcanic centres, VMS alteration signatures and ultimately vectors to mineralization. Analysis of the data is ongoing, but the data for the MM property is currently too sparse to make statistically reasonable conclusions

Table II – Rock Sample descriptions and select ICP-MS analytical results

| SAMP NUM | SAMP TYPE | SAMP PURP | SAMP ELEV M | SAMP UTM X | SAMP UTM Y | Sample Description                                                                                | Cu ppm | Pb ppm | Zn ppm | Ag ppm | As ppm | Au ppb | BA PPM |
|----------|-----------|-----------|-------------|------------|------------|---------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| CAMMR001 | CORE      | ASSAY     |             | 624675     | 6815913    | DDH 76-MM-06 504-528'                                                                             | 154    | 3251   | 4191   | 97.2   | 237    | 0.1    | 13195  |
| CAMMR002 | CORE      | ASSAY     |             | 624675     | 6815913    | DDH 76-MM-0 435-458'                                                                              | 108    | 3705   | 9241   | 3      | 24     | 0.1    | 1587   |
| CAMMR003 | CORE      | ASSAY     |             | 624675     | 6815913    | DDH 76-MM-06 345-367'                                                                             | 3142   | 6100   | 60000  | 19.6   | 6      | 4000   | 4184   |
| CAMMR004 | GRAB      | ASSAY     | 1481        | 626190     | 6816551    | Int vol 1-2% sulphide                                                                             | 26     | 12     | 196    | 0.5    | 55     | 0.1    | 2468   |
| CAMMR005 | GRAB      | ASSAY     | 1479        | 626197     | 6816564    | Gossanous, rusty brown weathering; 1-2% sulphides                                                 | 8      | 108    | 119    | 0.9    | 2      | 0.1    | 2779   |
| CAMMR006 | GRAB      | ASSAY     | 1447        | 626155     | 6816611    | Very gossanous rusty brown Fel vol; 5% sulphide                                                   | 472    | 29     | 543    | 1.1    | 40     | 0.1    | 5254   |
| CAMMR007 | GRAB      | ASSAY     | 1438        | 626133     | 6816598    | Very gossanous, rusty brown weathered Fel vol 8-10% dissem sulphide in smokey grey felsite        | 111    | 97     | 1395   | 1.1    | 19     | 0.1    | 38743  |
| CAMMR008 | GRAB      | ASSAY     | 1409        | 625771     | 6816510    | Trench; Maf Vol 40% sulphide                                                                      | 592    | 19200  | 132600 | 27.2   | 2      | 0.1    | 4264   |
| CAMMR009 | GRAB      | ASSAY     | 1414        | 625787     | 6816507    | Altered and deformed Maf Vol w. 20% sulphid                                                       | 34     | 153    | 2735   | 0.4    | 2      | 0.1    | 4725   |
| CAMMR010 | GRAB      | ASSAY     | 1414        | 625797     | 6816504    | End of trench in black phyllite; Massive Barrite; 10% sul                                         | 6      | 6210   | 358    | 19.1   | 31     | 0.1    | 516700 |
| CAMMR011 | GRAB      | ASSAY     | 1388        | 625781     | 6816559    | gossanous, rusty brown weather; massive pyrite in felsite                                         | 19     | 2192   | 1377   | 7.5    | 234    | 0.1    | 6718   |
| CAMMR012 | GRAB      | ASSAY     | 1389        | 625780     | 6816549    | Qtz veined (30%) gossanous mv +25% sulf                                                           | 5945   | 10400  | 36300  | 18.1   | 2      | 0.1    | 4363   |
| CAMMR013 | GRAB      | ASSAY     | 1390        | 625769     | 6816544    | Limited exp of gossanous mv, with 30% sulphide                                                    | 640    | 4400   | 34100  | 4.3    | 20     | 0.1    | 2861   |
| CAMMR014 | GRAB      | ASSAY     | 1393        | 625764     | 6816549    | py fv zone 3-4m in iv with 50% sulphide                                                           | 20     | 199    | 167    | 1.2    | 142    | 0.1    | 2456   |
| CAMMR015 | SCREE     | ASSAY     |             | 626627     | 6818478    | gossanous felsic volcanic with fine disseminated pyrite (trace to 1 %). Massive, though fractured | 1      | 54     | 64     | 0.4    | 2      | 0.1    | 1139   |
| CAMMR016 | SCREE     | ASSAY     |             | 626280     | 6818480    | gossanous felsic volcanic with fine disseminated pyrite (trace to 1 %).                           | 1      | 49     | 16     | 0.4    | 2      | 0.1    | 2110   |
| CAMMR017 | GRAB      | ASSAY     |             | 625257     | 6816248    | Gos zone in openly folded mv                                                                      | 305    | 8011   | 10000  | 5.4    | 44     | 0.1    | 6528   |
| CAMMR018 | GRAB      | ASSAY     |             | 625257     | 6816248    | Gos zone in openly folded mv                                                                      | 85     | 202    | 273    | 0.8    | 5      | 0.1    | 6136   |
| CAMMR019 | GRAB      | ASSAY     |             | 625235     | 6816232    | tan yellow, mg, surcosic barite                                                                   | 47     | 2954   | 8225   | 56.8   | 16     | 0.1    | 511530 |
| TMMMR001 | GRAB      | ASSAY     | 1540        | 625451     | 6816010    | felsic gossan 1-3% visible sulphide                                                               | 22     | 36     | 765    | 0.4    | 2      | 0.1    | 17265  |
| TMMMR003 | GRAB      | ASSAY     | 1549        | 625605     | 6815998    | felsic volcanics, qtz rich                                                                        | 15     | 48     | 91     | 0.4    | 129    | 0.1    | 3160   |
| TMMMR004 | GRAB      | ASSAY     | 1538        | 625677     | 6816061    | felsic volcanics with 2-3% disseminated sulphides                                                 | 13     | 4      | 123    | 0.4    | 2      | 0.1    | 668    |
| TMMMR005 | GRAB      | ASSAY     | 1514        | 625868     | 6816225    | mafic volcanics with 2-3% sulphides                                                               | 64     | 4      | 699    | 0.4    | 4      | 0.1    | 1965   |

Table III – Whole Rock Sample Descriptions

| SAMP NUM  | SAMP TYPE | SAMP PURP  | SAMP UTM X | SAMP UTM Y | RSAMP DESC                                                                                               | SAMP ANAL  |
|-----------|-----------|------------|------------|------------|----------------------------------------------------------------------------------------------------------|------------|
| JBMMR040  | CORE      | WHOLE ROCK | 624271     | 6815758    | DDH 96MM-04 833'                                                                                         | A705965-4B |
| JBMMR041  | CORE      | WHOLE ROCK | 624271     | 6815758    | DDH 96MM-04 779'                                                                                         | A705965-4B |
| JBMMR042  | CORE      | WHOLE ROCK | 624271     | 6815758    | DDH 96MM-04 1251'                                                                                        | A705965-4B |
| JBMMR043  | CORE      | WHOLE ROCK | 624605     | 6815623    | DDH 74MM-02 291'                                                                                         | A705965-4B |
| JBMMR044  | CORE      | WHOLE ROCK | 624605     | 6815623    | DDH 74MM-02 772'                                                                                         | A705965-4B |
| JBMMR045  | CORE      | WHOLE ROCK | 624605     | 6815623    | DDH 74MM-02 1135'                                                                                        | A705965-4B |
| JBMMR046  | CORE      | WHOLE ROCK | 624675     | 6815913    | DDH 76-MM-06 354'                                                                                        | A705965-4B |
| JBMMR047  | CORE      | WHOLE ROCK | 624675     | 6815913    | DDH 76-MM-06 700'?                                                                                       | A705965-4B |
| TMMMR002  | GRAB      | WHOLE ROCK | 625510     | 6815990    | mafic massive volcanic outcrop                                                                           | A705965-4B |
| TMMMR006  | GRAB      | WHOLE ROCK | 624771     | 6815939    | mafic, finegrained volcanics w                                                                           | A705965-4B |
| TMMMR007  | GRAB      | WHOLE ROCK | 624756     | 6815969    | mafic, finegrained volcanics w                                                                           | A705965-4B |
| TMMMR008  | GRAB      | WHOLE ROCK | 626200     | 6815275    | mafic volcanics, massive, with                                                                           | A705965-4B |
| MMJBRW002 | ROCK      | WHOLE ROCK | 624261     | 6816479    | qtz-ser-py schist (rhy?), gossan, hard silic. 10% Ds py.                                                 | A703569-4B |
| MMJBRW005 | ROCK      | WHOLE ROCK | 624409     | 6816368    | pelitic shale/phyllite, minor silc and yellow U? stn.                                                    | A703569-4B |
| MMJBRW006 | ROCK      | WHOLE ROCK | 624409     | 6816368    | qtz-ser-py schist with strn perv silic alt with up to 5% py.                                             | A703569-4B |
| MMJBRW007 | ROCK      | WHOLE ROCK | 624409     | 6816368    | chl-musc schist, lt grn to orng+brn stnd, mod chl-si alt, ribbon texture.                                | A703569-4B |
| MMJBRW008 | ROCK      | WHOLE ROCK | 624296     | 6816032    | sed, pelitic, gossany, intse folding, spotty rust.                                                       | A703569-4B |
| MMJBRW009 | ROCK      | WHOLE ROCK | 624418     | 6816118    | qtz-ser-py schist, yl-tan weather, lt gry-yl wht                                                         | A703569-4B |
| MMJBRW010 | ROCK      | WHOLE ROCK | 625547     | 6815928    | musc-chl schist, lt-brn-gry, calcareous, vesicular with basaltic bombs                                   | A703569-4B |
| MMJBRW011 | ROCK      | WHOLE ROCK | 625607     | 6815859    | pelite, phyllitic, dk-gry to blk, no cb, interbedded with m-scale lt-bl gry very fine silic sed or tuff. | A703569-4B |

## Soil Geochemistry Results

The 400 meter long by 175 meter wide soil grid in Figure 6 was established in 2007 to attempt detection of the extension of mineralization observed at the Trench and Creek zones (Figure 7). Since 2001, Eagle Plains has collected a total of 1395 soil samples on the Pelly VMS properties including the MM, Fire, Ice and Melt areas. Summary statistics for these programs are tabulated below. Table 4a includes statistics for all the soils collected so far. Table 4b includes all 281 soil samples collected at the MM property. Table 4c tabulates statistics only for the recent 2007 soil grid in Figure 6. Sample locations and quality designations are listed in Table 5.

From the statistics in Tables 4a and 4b it is evident that the MM, for the most part, has the highest single, average, and 95<sup>th</sup> and 99<sup>th</sup> percentile values. From figure 6 and Table 4c, it is evident that the 2007 soil grid is not particularly anomalous and fails to detect a reasonable mineralized trend. The one exception could be inferred from the Zinc results (Figure 6b), where the easternmost stations on the first 3 lines from the south contain elevated zinc with a maximum of 2683 ppm.

From the available data in Table 5, there does not appear to be significant sample quality issues. Despite being so close to the mineralization at the Trench and Creek zones, it is surprising that a more significant anomaly was not detected. Further ground work is needed to determine if the mineralization is perhaps restricted to the east side of the creek, has been fault offset, or to rule out glacial or colluvial interference.

Table IVa: Soil Sample Statistics (all Pelly Project)

|                        |  | <b>PROJ</b>  | <b>Ag_ppm</b> | <b>Au_ppb</b> | <b>Ba_ppm</b> | <b>Cu_ppm</b> | <b>Mo_ppm</b> | <b>Pb_ppm</b> | <b>Zn_ppm</b> |
|------------------------|--|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>n</b>               |  | <i>FM+MM</i> | 1813          | 1395          | 116           | 1395          | 1395          | 1813          | 1813          |
| <b>max</b>             |  | <i>FM+MM</i> | 39            | 39.7          | 49149         | 2333          | 131           | 17124         | 33761         |
| <b>min</b>             |  | <i>FM+MM</i> | 0.002         | 0.5           | 785           | 0.8           | 0.01          | 0.01          | 4             |
| <b>average</b>         |  | <i>FM+MM</i> | 0.6           | 3.2           | 3454          | 30.5          | 5.5           | 158           | 289           |
| <b>stdev</b>           |  | <i>FM+MM</i> | 1.8           | 3.3           | 4881          | 68.7          | 7             | 732           | 1086          |
| <b>mean +1 SD</b>      |  | <i>FM+MM</i> | 2.4           | 6.5           | 8335          | 99.1          | 12.5          | 889           | 1375          |
| <b>95th percentile</b> |  | <i>FM+MM</i> | 2.1           | 7.56          | 7853          | 77.9          | 16.1          | 470           | 892           |
| <b>99th percentile</b> |  | <i>FM+MM</i> | 5.4           | 18.212        | 16726         | 146.4         | 30.7          | 1841          | 3785          |

Table IVb: Soil Sample Statistics (all MM Project)

|                        |  | <b>PROJ</b>   | <b>Ag_ppm</b> | <b>Au_ppb</b> | <b>Ba_ppm</b> | <b>Cu_ppm</b> | <b>Mo_ppm</b> | <b>Pb_ppm</b> | <b>Zn_ppm</b> |
|------------------------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>n</b>               |  | <i>MM all</i> | 281           | 281           | 33            | 281           | 281           | 281           | 281           |
| <b>max</b>             |  | <i>MM all</i> | 24.7          | 28.2          | 2921          | 2333          | 131           | 17124         | 33761         |
| <b>min</b>             |  | <i>MM all</i> | 0.002         | 0.5           | 1057          | 2             | 0.1           | 2.7           | 8             |
| <b>average</b>         |  | <i>MM all</i> | 1.1           | 5.6           | 2371          | 54.3          | 9.6           | 396           | 780           |
| <b>stdev</b>           |  | <i>MM all</i> | 2.7           | 5             | 450           | 146.5         | 12.7          | 1470          | 2348          |
| <b>mean +1 SD</b>      |  | <i>MM all</i> | 3.8           | 10.6          | 2820          | 200.9         | 22.4          | 1867          | 3129          |
| <b>95th percentile</b> |  | <i>MM all</i> | 3.7           | 16.8          | 2814          | 145.8         | 28.2          | 1089          | 2941          |
| <b>99th percentile</b> |  | <i>MM all</i> | 18.54         | 23.98         | 2899          | 261.9         | 55.2          | 8335          | 7947          |

Table IVc: Soil Sample Statistics (2007 MM samples only)

|                        |  | <b>PROJ</b>    | <b>Ag_ppm</b> | <b>Au_ppb</b> | <b>Ba_ppm</b> | <b>Cu_ppm</b> | <b>Mo_ppm</b> | <b>Pb_ppm</b> | <b>Zn_ppm</b> |
|------------------------|--|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>n</b>               |  | <i>MM 2007</i> | 33            | 33            | 33            | 33            | 33            | 33            | 33            |
| <b>max</b>             |  | <i>MM 2007</i> | 1.1           | 5             | 2921          | 46            | 17            | 233           | 2683          |
| <b>min</b>             |  | <i>MM 2007</i> | 0.002         | 5             | 1057          | 6             | 2             | 10            | 132           |
| <b>average</b>         |  | <i>MM 2007</i> | 0.5           | 5             | 2371          | 27.5          | 7             | 62            | 442           |
| <b>stdev</b>           |  | <i>MM 2007</i> | 0.3           | 0             | 450           | 8.9           | 3.1           | 48            | 461           |
| <b>mean +1 SD</b>      |  | <i>MM 2007</i> | 0.7           | 5             | 2820          | 36.4          | 10.1          | 110           | 903           |
| <b>95th percentile</b> |  | <i>MM 2007</i> | 0.84          | 5             | 2814          | 38.8          | 12            | 121           | 1015          |
| <b>99th percentile</b> |  | <i>MM 2007</i> | 1.04          | 5             | 2899          | 44.1          | 15.4          | 198           | 2216          |

Table V: Soil Sample Locations and Descriptions

| SAMP NUM | SAMP ELEV M | SAMP UTM X | SAMP UTM Y | DSAMP COLOUR 1 | DSAMP HORIZON | DSAMP QUAL | DSAMP NOTE    |
|----------|-------------|------------|------------|----------------|---------------|------------|---------------|
| TMMMD001 | 1380        | 625780     | 6816560    | dark           | B             | 5          | CROSSED_CREEK |
| TMMMD002 | 1391        | 625746     | 6816568    | dark           | B             | 5          |               |
| TMMMD003 | 1398        | 625721     | 6816567    | dark           | B             | 5          | N/A           |
| TMMMD004 | 1405        | 625699     | 6816584    | dark           | B             | 5          | N/A           |
| TMMMD005 | 1414        | 625667     | 6816591    | dark           | B             | 5          | N/A           |
| TMMMD006 | 1431        | 625641     | 6816596    | dark           | B             | 3          | N/A           |
| TMMMD007 | 1430        | 625668     | 6816693    | dark           | B             | 3          | N/A           |
| TMMMD008 | 1418        | 625692     | 6816689    | dark           | B             | 3          | ROCKY         |
| TMMMD009 | 1406        | 625716     | 6816683    | dark           | B             | 3          | ROCKY         |
| TMMMD010 | 1398        | 625742     | 6816675    | dark           | B             | 3          | ROCKY         |
| TMMMD011 | 1383        | 625773     | 6816666    | dark           | B             | 3          | ROCKY         |
| TMMMD012 | 1370        | 625799     | 6816662    | dark           | B             | 3          | ROCKY         |
| TMMMD013 | 1365        | 625823     | 6816657    | red            | B             | 5          | N/A           |
| TMMMD014 | 1364        | 625858     | 6816652    | red            | B             | 5          | N/A           |
| TMMMD015 | 1345        | 625886     | 6816750    | black          | B             | 3          | N/A           |
| TMMMD016 | 1348        | 625861     | 6816754    | grey           | B             | 3          | N/A           |
| TMMMD017 | 1363        | 625840     | 6816758    | black          | B             | 3          | N/A           |
| TMMMD018 | 1361        | 625818     | 6816769    | black          | B             | 3          | ROCKY         |
| TMMMD019 | 1384        | 625795     | 6816774    | black          | B             | 3          | ROCKY         |
| TMMMD020 | 1395        | 625769     | 6816783    | black          | B             | 3          | N/A           |
| TMMMD021 | 1401        | 625743     | 6816787    | black          | B             | 3          | N/A           |
| TMMMD022 | 1412        | 625717     | 6816796    | black          | B             | 3          | N/A           |
| TMMMD023 | 1413        | 625726     | 6816894    | black          | B             | 3          | ORGANIC       |
| TMMMD024 | 1406        | 625756     | 6816885    | black          | B             | 3          | ORGANIC       |
| TMMMD025 | 1387        | 625781     | 6816880    | black          | B             | 2          | ORGANIC       |
| TMMMD026 | 1382        | 625807     | 6816875    | black          | B             | 3          | ORGANIC       |
| TMMMD027 | 1372        | 625831     | 6816868    | black          | B             | 3          | ORGANIC       |
| TMMMD028 | 1363        | 625853     | 6816864    | black          | B             | 3          | ORGANIC       |
| TMMMD029 | 1358        | 625876     | 6816857    | black          | B             | 3          | ORGANIC       |
| TMMMD030 | 1350        | 625899     | 6816855    | black          | B             | 3          | ORGANIC       |
| TMMMD031 | 1414        | 625726     | 6816505    | brown          | B             | 4          | ROCKY         |
| TMMMD032 | 1414        | 625698     | 6816507    | brown          | B             | 5          | N/A           |
| TMMMD033 | 1418        | 625669     | 6816508    | brown          | B             | 5          | N/A           |

## CONCLUSIONS

### Key points for the MM deposit :

- Previous work was limited to the western half of the property where obvious gossans & mineralization could be traced below limestone and dolomite.
- New mapping and geochemistry has outlined prospective mineralization in the eastern portions of the property associated with previously under-recognized mafic volcanics.
- It is strongly suspected that all known mineralization occurs along the same stratigraphic interval at or near the felsic-mafic volcanic contact.
- The pale silver grey (wet) mineralization in the MM Creek first appears where this mineralized zone crosses the Creek at the Central Zone showing.

Mapping and sampling programs at the MM property in 2007 successfully build on new discoveries and ideas from 2006, namely:

- 1) Mafic volcanic rocks and not calcareous phyllites, as previously interpreted, occur stratigraphically below the intermediate to felsic volcanic rocks, and that
- 2) Volcanogenic sulphide mineralization and associated barite horizons are consistently concentrated along this contact zone between the overlying intermediate to felsic volcanics and their underlying mafic volcanic rocks.

A stratigraphic and structural framework is now in place that can be used to predict the location of prospective mineralized horizons from the Ridge Zone in Figure 7 through the mineralized showings at the Central and Cliff zones, to the Trench and Creek zones. A note of caution: extensive talus cover, poor access due to extreme topography and complex structure in this area should preclude immediate drilling without a geophysical survey to confirm the suspected mineralized horizon.

With the current emphasis on the felsic-mafic contact as a major control on mineralization, and that the favourable stratigraphy at the Trench and Creek showings could be projected northwards, soil sampling and prospecting ensued to the north to assess the continuity of the stratigraphic horizon. Favourable stratigraphy associated with a minor gossan has now been noted approximately 2 kilometers north of the Trench showing, and 300-400 meters west of MM creek. Based on this discovery, further staking was initiated in the fall of 2007 to cover the suspected trace of the horizon. Unfortunately, the soil and rock sampling in this northern area, in 2007, failed to outline favourable mineralization. However; the area examined and sampled is very limited, and should see further work, particularly along the east side of MM creek.

## RECOMMENDATIONS

A program involving geological mapping, soil and silt geochemical sampling and a geophysical survey is recommended for future field programs. A budget in the amount of \$65,000.00 for the proposed work program is provided below.

### Field Program

Further detailed mapping focusing on the nature and orientation of the contact zone between the intermediate to felsic volcanics and the mafic volcanics rocks with particular emphasis on its structural controls is recommended. This work should focus on the contact zone east and north of the Pigage Trench zone. This work should help in placing better controls on the distribution and orientation of the zone to help focus both detailed soil sampling and geophysical surveys (see below) within this heavily wooded and poorly exposed, low-lying area along the valley bottom.

Following preliminary prospecting north and east of the trench zone, further reconnaissance soil geochemical sampling should continue on trend with the contact to help identify future drill targets.

It is strongly recommended that a helicopter based stream-silt program is completed along all tributaries to the west, north and east of the property. The north and east directions are of particular interest as there is ample evidence that the Pelly Mountain volcanic contacts continue for some distance beyond the present limit of the property.

A helicopter supported, property-based, four person fly camp with mobilization from Ross River for a period of 5 to 6 days is recommended to complete this work.

### Geophysical Survey

Based on the common presence of magnetite and/or pyrrhotite within the massive to semi-massive sulphide mineralization and the observation that it is consistently moderately to strongly magnetic (Leitch, 1998), a detailed airborne magnetic survey in the valley bottom straddling the contact between the intermediate to felsic volcanics and the underlying mafic volcanic rocks could be an appropriate means of better defining drill targets along this contact zone.

### Proposed 2009 Field Budget

| Category                                     | Cost               |
|----------------------------------------------|--------------------|
| Personnel                                    | \$12,000.00        |
| Geophysical Survey (including line cutting)  | \$20,000.00        |
| Helicopter Support                           | \$10,000.00        |
| Analytical                                   | \$4,000.00         |
| Meals/Groceries                              | \$2,000.00         |
| Truck and Equipment Rentals (including fuel) | \$3,000.00         |
| Supplies                                     | \$3,000.00         |
| Miscellaneous                                | \$2,000.00         |
| Geological and database compilation          | \$4,000.00         |
| Report Production                            | \$5,000.00         |
| <b>TOTAL</b>                                 | <b>\$65,000.00</b> |

## REFERENCES

- Ash, C.H., 2007. Summary & Recommendation Report for Eagle Plains Resources Ltd. Pelly Mountain Properties, Yukon Territory; Eagle Plains Resources Ltd., Internal Report
- Ash, C.H., Brown, J., and C.S. Gallagher, 2007. Geological Mapping & Rock Sampling Report for 2006 fieldwork. Assessment Report written for Eagle Plains Resources.
- Downie, C.C. and Gallagher, C.S., 2002. Geological Report for MM Property; Report prepared for Eagle Plains Resources Ltd.
- Downie, C.C. and Hendrickson, G.A., 2006. Geological Report for MM Property; Report prepared for Eagle Plains Resources Ltd., 44 pages.
- Greig, C.J., 2000. Geological Examination of the FIRE and ICE Properties, Pelly Mountains, Yukon Territory; Eagle Plains Resources Internal Report
- Greig, C.J., 2001. Geological Examination of the FIRE / ICE / MELT Properties, Pelly Mountains, Yukon Territory; Eagle Plains Resources Internal Report
- Greig, C.J., 2002. Recommendations for exploration and notes to accompany geological Compilation, Fire-Ice-Melt Properties, Pelly Mountains, South Central Yukon Territory, In house report for Eagle Plains Resources Ltd., 9 p.
- Gordey, S.P. and Makepeace, A.J., 1999. Yukon Digital Geology. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File 1999-1(D), two CDs. Also available as Geological Survey of Canada, Open File D3826.
- Holbeck, P.M. and Wilson, R.G., 1998. The Wolf discovery: A kuroko-style volcanogenic massive sulphide deposit hosted by rift-related, alkaline felsic volcanic rocks. *In: Yukon Exploration and Geology, 1997*, Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 115-120.
- Hunt, J.A. and Murphy, D.M., 1998. A note on preliminary mapping in the Fire Lake area. *In: Yukon Exploration and Geology 1997*, Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 59-68.
- Hunt, J.A., 1998b. Recent discoveries of volcanic-associated massive sulphide deposits in the Yukon. *CIM Bulletin*, v. 90, # 1017, Feb. 1998, p. 56-65
- Hunt, J.A., 2002. Volcanic-associated massive sulphide (VMS) mineralization in the Yukon-Tanana Terrane and coeval strata of the North American miogeocline, in the Yukon and adjacent areas. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Bulletin 12, 107 p.
- Jennings, D.S., 1976a. MM Project, summary report Volume II, figures 2-17; Cyprus Anvil Mining Corporation, Internal report, available from Yukon Geoscience Library File #105F07/1241, Box # 20050352.
- Jennings, D.S., 1976b. Summary report, MM Project; Cyprus Anvil Mining Corporation, Internal report, available from Yukon Geoscience Library, File # 105F07/1450, Box # 20050483.
- Kreft, B., 1997a. Geological Assessment Report for the Bnob mineral property. Assessment Report 093793 written for Eagle Plains Resources and Miner River Resources.
- Kreft, B., 1997b. Geological Assessment Report for the Chzerpnough mineral property. Assessment Report 093794 written for Eagle Plains Resources and Miner River Resources.
- Leitch, C.H.B., 1998. Petrographic report on 194 samples from volcanic-associated massive sulphide

deposits in Yukon. Unpublished report for the VMS project, included in Hunt (2002) as Appendix VI-3.

McGill, D.L., Lo, B. and Wilson, R.G., 1998. Helicopter borne EM, magnetic and VLF survey on the Fire 1-12, Char 1-30 and Tree 1-56 claims, Watson Lake Mining District. Assessment Report 093867 written for Atna Resources Ltd.

Morin, J.A., 1977. Ag-Pb-Zn mineralization in the MM deposit and associated Mississippian felsic volcanic rocks in the St. Cyr Range, Pelly Mountains; 1976 Mineral Industry Report, Yukon Territory. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada 1977-1, p. 83-97.

Morin, J.A., 1981. Model of mineralization related to cauldron facies syenite in the Pelly Mountains; Yukon Geology and Exploration 1979-80, Indian and Northern Affairs Canada, p.88-90.

Mortensen, J.K. and Godwin, C.I., 1982. Volcanogenic massive sulphide deposits associated with highly alkaline rift volcanics in the southeastern Yukon Territory. Canadian Journal of Earth Sciences, v. 20, no. 10, pp.1225-1230.

Mortensen, J.K., 1982. Geological setting and tectonic significance of Mississippian felsic meta-volcanic rocks in the Pelly Mountains, southeastern Yukon Territory. Canadian Journal of Earth Sciences, vol. 19, p. 8-22.

Mortensen, J.K., 1979b. Stratigraphic, structural, and tectonic setting of an Upper Devonian-Mississippian volcanic-sedimentary sequence and associated base metal deposits in the Pelly Mountains, southeastern Yukon Territory. M.A.Sc. Thesis, University of British Columbia, Vancouver, British Columbia, 122 p.

Mortensen, J.K., 1979a. Cyprus Anvil Mining Corporation report with maps. In house Company report (recently available for public viewing via the YK Geological Survey Library, Whitehorse)

Mortensen, J.K., 1979. Geophysical report, MM Claim Group; Cyprus Anvil Mining Corporation, Internal report, available from Yukon Geoscience Library, File # 105F07/1242, Box # 20050352.

Mortensen, J.K. and Godwin, C.I., 1982. Volcanogenic massive sulphide deposits associated with highly alkaline rift volcanics in the southeastern Yukon Territory. *Economic Geology*, vol. 77, #5, p. 1225-1230.

Pigage, L.C., 1987. Trenching Report MM and JJ Claim Groups, Watson Lake Mining District, Yukon Territory; Assessment Report 092482, written for Curragh Resources Inc., 18 p.

Pigage, L.C., 1988. 1988 Trenching Report MM and JJ Claim Groups, Watson Lake Mining District, Yukon Territory; Assessment Report 092590, written for Curragh Resources Inc., 21 p.

Sinclair, W.D and Gilbert, G.W. 1975. Mineral industry report 1973, Yukon Territory; *Department of Indian and Northern Affairs*, EGS 1975-7, p. 169.

Tempelman-Kluit, D.J., Gordey, S. and Read, B., 1976. Stratigraphic and structural studies in the Pelly Mountains, Yukon Territory; Geological Survey of Canada, Paper 76-1, Part A, p. 97- 105.

Tempelman-Kluit, D.J., Abbott, G., Gordey, S. and Read, B., 1975. Stratigraphic and structural studies in the Pelly Mountains, Yukon Territory; *Geological Survey of Canada*, Paper 75-1, Part A, p. 45-48.

Tempelman-Kluit, D.J. 1977. Quiet Lake (105 F) and Finlayson Lake (105G) map areas; *Geological Survey of Canada*, Open File 486.

Tempelman-Kluit, D.J., in press. Geology of Quiet Lake (105F) and Finlayson Lake map areas, Yukon Territory; *Geological Survey of Canada*, Memoir.

Wheeler, J.O., 1960, Quiet Lake, Yukon Territory; *Geological Survey of Canada*, Map 7-1960.

**APPENDIX I**  
**Statement of Qualifications**

I Chris H. Ash, do hereby certify that:

- (1) I am a geologist with more than twenty years of field experience.
- (2) I graduated from Memorial University of Newfoundland with an Honours BSc Degree in geology in 1985.
- (3) I graduated from Memorial University of Newfoundland with an MSc Degree in geology in 1990.
- (4) As a Project Geologist, I conducted geological mapping and mineral deposits research for the British Columbia Geological Survey throughout the province of British Columbia for 13 years from 1989 to 2002.
- (5) I am a Professional Geoscientist (PGeo) registered in the province of British Columbia (Registration No. 20015).
- (6) This report is based upon a personal examination of all available company and government reports pertinent to the MM property.
- (7) I conducted 5 days of field mapping on the MM Claims in conjunction with Eagle Plain Resources geologists Jarrod Brown and Thomas Mumford in the immediate area in August 2007.

Dated this 21<sup>th</sup> day of January 2008 in Victoria, British Columbia.

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Chris H. Ash MSc, PGeo

I, Jarrod A. Brown of 6660-A Harrop-Procter Road, in the city of Nelson in the Province of British Columbia hereby certify that:

- 1) I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia (#29239).
- 2) I am a graduate of the University of Manitoba with the degree of Master of Science in Geology (2001).
- 3) I am a graduate of Simon Fraser University with the degree of Bachelor of Science in Physical Geography (1997).
- 4) I have practiced my profession in North America since 1998, having worked for various Junior Resource Companies and government surveys.
- 5) This report is based upon a personal examination of all available company and government reports pertinent to the MM Property.
- 6) I supervised the exploration activities at the MM Property from Ross River in August of 2007, and was the primary author of this report.
- 7) I hold options to purchase 120,000 Common Shares each of Eagle Plains and Copper Canyon at \$0.70 per share.

Dated this 21<sup>st</sup> day of August 2008 in Nelson, British Columbia.

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Jarrod A. Brown, MSc, PGeo

## Appendix II

### STATEMENT OF EXPENDITURES

The following expenses were incurred on the MM PROJECT, Watson Lake Mining Division, YT, Mapsheet 105F07 for the purpose of mineral exploration between the dates of August 1 and October 31, 2007.

|                                                                                   |             |
|-----------------------------------------------------------------------------------|-------------|
| Personnel: Jarrod A. Brown, Thomas Mumford, Nathan Taylor, Glen Hendrickson ..... | \$15,563.41 |
| Consultants: C. Ash .....                                                         | \$ 6057.75  |
| Helicopter: .....                                                                 | \$ 4,308.88 |
| Camp, Hotel, Meals, Travel, Rentals, Field Supply expenses:.....                  | \$ 7324.93  |
| Analytical (approx.) shipping, analysis of samples .....                          | \$ 3,117.31 |
| Report Writing .....                                                              | \$ 3,400.00 |

**Total 2007 Expenditures:                      \$39,772.28**

## **Appendix III**

### **Geochemical Analytical Results**

#### **3.1 Rock Samples**

#### **3.2 Soil Samples**

### **3.1 Rock Samples**

To Bootleg Exploration Inc. PROJECT FM0702

Acme file # A705964 Page 1 Received: AUG 13 2007 \* 72 samples in this disk file.

Analysis: GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.

| ELEMENT     | Mo  | Cu  | Pb   | Zn     | Ag   | Ni  | Co  | Mn   | Fe    | As  | U   | Au  | Th  | Sr  | Cd    | Sb  | Bi  | V   | Ca    | P     | La  | Cr  | Mg   | Ba  | Ti   | B   | Al   | Na   | K    | W   |
|-------------|-----|-----|------|--------|------|-----|-----|------|-------|-----|-----|-----|-----|-----|-------|-----|-----|-----|-------|-------|-----|-----|------|-----|------|-----|------|------|------|-----|
| SAMPLES     | ppm | ppm | ppm  | ppm    | ppm  | ppm | ppm | ppm  | %     | ppm | ppm | ppm | ppm | ppm | ppm   | ppm | ppm | ppm | %     | %     | ppm | ppm | %    | ppm | %    | ppm | %    | %    | %    | ppm |
| G-1         | <1  | 2   | <3   | 45     | <.3  | 4   | 4   | 555  | 1.9   | <2  | <8  | <2  | 4   | 83  | <.5   | <3  | <3  | 35  | 0.58  | 0.084 | 7   | 10  | 0.63 | 223 | 0.12 | <20 | 0.99 | 0.09 | 0.53 | <2  |
| JBFMR007    | 7   | 19  | 2766 | >10000 | 17.9 | <1  | <1  | 3100 | 10    | 99  | 14  | <2  | 12  | 22  | 225.4 | 27  | <3  | 2   | 4.22  | 0.015 | 64  | 1   | 0.97 | 30  | <.01 | <20 | 1.71 | 0.02 | 2    | <2  |
| JBFMR015    | 6   | 13  | 159  | 26     | 0.8  | 9   | 7   | 62   | 12.96 | 90  | <8  | <2  | <2  | 4   | <.5   | 4   | <3  | 3   | 0.07  | 0.014 | 14  | 2   | 0.02 | 30  | <.01 | <20 | 0.29 | <.01 | 0.26 | <2  |
| JBFMR018    | 2   | 59  | 26   | 1241   | 0.4  | 48  | 28  | 4114 | 9.29  | 7   | <8  | <2  | <2  | 103 | 10.3  | 3   | <3  | 8   | 4.96  | 0.066 | 10  | 6   | 1.7  | 85  | <.01 | <20 | 0.63 | 0.01 | 0.19 | <2  |
| JBFMR026    | 7   | 44  | 670  | 1      | 5.3  | 7   | 4   | 18   | 30.54 | 108 | <8  | <2  | <2  | 17  | 3.8   | 10  | <3  | 3   | 0.27  | 0.004 | 6   | 2   | <.01 | 9   | <.01 | <20 | 0.11 | 0.01 | 0.1  | <2  |
| JBFMR027    | 9   | 48  | 1044 | 8      | 6.9  | 25  | 6   | 88   | 29.69 | 88  | <8  | <2  | <2  | 69  | 3.8   | 9   | <3  | 3   | 1.43  | 0.004 | 6   | 1   | 0.01 | 10  | <.01 | <20 | 0.1  | 0.01 | 0.11 | <2  |
| JBFMR034    | 13  | 124 | 2424 | <1     | 32.4 | 185 | 20  | 29   | 35.05 | 241 | <8  | <2  | <2  | 77  | 5.2   | 8   | <3  | 4   | 0.77  | 0.004 | 8   | <1  | <.01 | 4   | <.01 | <20 | 0.11 | 0.01 | 0.07 | <2  |
| JBFMR037    | 15  | 34  | 1137 | 123    | 8.6  | 16  | 3   | 7    | 20.77 | 249 | <8  | <2  | <2  | 11  | 1.3   | 27  | <3  | 4   | 0.03  | 0.003 | 8   | 1   | <.01 | 19  | <.01 | <20 | 0.15 | <.01 | 0.13 | <2  |
| JBFMR039    | 22  | 51  | 1045 | 4      | 20.1 | 72  | 7   | 11   | 30.42 | 264 | <8  | <2  | <2  | 5   | 0.8   | 13  | <3  | 5   | 0.02  | 0.003 | 7   | 1   | <.01 | 3   | <.01 | <20 | 0.09 | 0.01 | 0.08 | <2  |
| JBFMR042    | 24  | 82  | 4967 | <1     | 56   | 44  | 4   | 9    | 27.75 | 110 | <8  | <2  | <2  | 68  | 1.2   | 14  | <3  | 4   | 0.01  | 0.007 | 7   | 1   | <.01 | 5   | <.01 | <20 | 0.15 | 0.01 | 0.16 | <2  |
| JBFMR043    | 8   | 25  | 422  | 1324   | 3.5  | 25  | 18  | 1254 | 15.6  | 148 | <8  | <2  | 2   | 46  | 23.1  | 17  | 4   | 15  | 5.5   | 0.057 | 13  | 5   | 2.39 | 30  | <.01 | <20 | 0.19 | 0.01 | 0.15 | <2  |
| JBFMR044    | 5   | 19  | 385  | 137    | 3.1  | 18  | 13  | 1619 | 13.74 | 138 | <8  | <2  | <2  | 55  | 6.9   | 18  | 6   | 22  | 7.81  | 0.047 | 14  | 6   | 2.6  | 21  | <.01 | <20 | 0.18 | 0.01 | 0.1  | <2  |
| JBFMR045    | 6   | 19  | 81   | 11     | 1.8  | 13  | 20  | 73   | 8.2   | 28  | <8  | <2  | 3   | 7   | <.5   | 4   | <3  | 7   | 0.33  | 0.06  | 12  | 1   | 0.01 | 36  | <.01 | <20 | 0.23 | <.01 | 0.2  | <2  |
| JBFMR046    | 5   | 11  | 382  | 7      | 1.9  | 5   | 5   | 51   | 4.06  | 52  | <8  | <2  | 9   | 6   | <.5   | 6   | <3  | 3   | 0.09  | 0.012 | 37  | 2   | 0.02 | 115 | <.01 | <20 | 0.15 | <.01 | 0.21 | <2  |
| JBFMR048    | 11  | 13  | 209  | 4      | 2.1  | 2   | 1   | 6    | 7.14  | 9   | <8  | <2  | <2  | 22  | <.5   | 4   | <3  | 1   | 0.12  | 0.004 | 1   | 1   | 0.01 | 9   | <.01 | <20 | 0.38 | 0.02 | 0.28 | <2  |
| JBFMR050    | 8   | 45  | 216  | 2      | 2.7  | 4   | 3   | 4    | 7.41  | 8   | <8  | <2  | 3   | 5   | <.5   | 4   | <3  | 2   | <.01  | 0.007 | 20  | 1   | <.01 | 32  | <.01 | <20 | 0.22 | 0.01 | 0.2  | <2  |
| JBFMR051    | 42  | 66  | 482  | 6      | 3.1  | 4   | 3   | 17   | 22.47 | 132 | <8  | <2  | <2  | 29  | 0.6   | 5   | <3  | 2   | 0.66  | 0.007 | 9   | 1   | <.01 | 9   | <.01 | <20 | 0.23 | 0.01 | 0.16 | <2  |
| JBFMR058    | 14  | 47  | 317  | <1     | 4    | 64  | 18  | 5    | 23.41 | 67  | <8  | <2  | <2  | 3   | <.5   | 8   | <3  | 4   | 0.07  | 0.004 | 7   | 2   | <.01 | 12  | <.01 | <20 | 0.15 | 0.01 | 0.15 | <2  |
| JBFMR059    | 7   | 23  | 294  | 1      | 2.8  | 9   | 4   | 8    | 9.71  | 12  | <8  | <2  | 2   | 3   | <.5   | 4   | <3  | 3   | 0.02  | 0.008 | 12  | 2   | <.01 | 33  | <.01 | <20 | 0.21 | 0.01 | 0.24 | <2  |
| CAFMR004    | <1  | 23  | 67   | 44     | <.3  | 1   | 4   | 5872 | 11.09 | <2  | <8  | <2  | <2  | 159 | 3.7   | <3  | 6   | 4   | 17.83 | 0.005 | 6   | <1  | 6.76 | 25  | <.01 | <20 | 0.06 | 0.02 | 0.01 | <2  |
| CAFMR005    | <1  | 1   | 29   | 18     | <.3  | 1   | 3   | 2475 | 4.15  | <2  | <8  | <2  | <2  | 89  | 0.8   | <3  | <3  | 5   | 6.33  | 0.021 | 13  | 4   | 2.16 | 55  | <.01 | <20 | 0.04 | 0.01 | 0.02 | <2  |
| CAFMR006    | <1  | 1   | <3   | 12     | <.3  | 1   | 4   | 2104 | 2.18  | <2  | <8  | <2  | <2  | 216 | <.5   | <3  | <3  | 10  | 9.75  | 0.037 | 7   | 5   | 0.57 | 44  | <.01 | <20 | 0.42 | 0.01 | 0.03 | <2  |
| RE CAFMR006 | <1  | 1   | 3    | 13     | <.3  | 2   | 4   | 2063 | 2.13  | <2  | <8  | <2  | <2  | 215 | 0.6   | <3  | <3  | 11  | 9.58  | 0.037 | 7   | 5   | 0.56 | 44  | <.01 | <20 | 0.41 | 0.01 | 0.03 | <2  |
| CAFMR007    | <1  | 7   | 12   | 32     | <.3  | 1   | 5   | 6138 | 11.24 | <2  | <8  | <2  | <2  | 179 | 3.6   | <3  | 5   | 6   | 17.65 | 0.01  | 8   | 1   | 6.36 | 28  | <.01 | <20 | 0.15 | 0.02 | 0.02 | <2  |
| CAFMR008    | 14  | 526 | 88   | 495    | 31.5 | 13  | 7   | 5386 | 9.13  | 7   | 8   | <2  | <2  | 172 | 6.2   | 147 | 4   | 11  | 18.73 | 0.006 | 15  | 1   | 7.36 | 95  | <.01 | <20 | 0.08 | 0.01 | 0.03 | <2  |
| CAFMR010    | 8   | 8   | 36   | 1      | 0.8  | <1  | 1   | 39   | 11.92 | 2   | <8  | <2  | 3   | 2   | <.5   | <3  | <3  | 2   | 0.1   | 0.002 | 11  | 4   | 0.03 | 30  | <.01 | <20 | 0.2  | 0.06 | 0.15 | <2  |
| CAFMR011    | 10  | 17  | 96   | 3      | 1.2  | 16  | 1   | 25   | 14.63 | 11  | <8  | <2  | 3   | 1   | <.5   | <3  | <3  | 3   | 0.08  | 0.002 | 11  | 1   | 0.02 | 23  | <.01 | <20 | 0.23 | 0.03 | 0.22 | <2  |
| CAFMR013    | 10  | 29  | 191  | 2124   | 0.6  | 1   | 3   | 401  | 7.95  | 26  | <8  | <2  | 7   | 9   | 12.3  | <3  | <3  | 2   | 0.29  | 0.027 | 11  | 2   | 0.62 | 130 | <.01 | <20 | 1.72 | 0.03 | 0.15 | <2  |
| CAFMR016    | 2   | 54  | 18   | 29     | <.3  | 23  | 19  | 459  | 3.96  | 4   | <8  | <2  | 6   | 26  | 0.8   | 3   | 4   | 98  | 1.17  | 0.101 | 20  | 83  | 0.97 | 82  | 0.23 |     |      |      |      |     |

| ELEMENT      | Mo  | Cu   | Pb     | Zn     | Ag   | Ni  | Co  | Mn   | Fe    | As  | U   | Au  | Th  | Sr  | Cd    | Sb  | Bi  | V   | Ca   | P     | La  | Cr  | Mg   | Ba   | Ti   | B   | Al   | Na   | K    | W   |
|--------------|-----|------|--------|--------|------|-----|-----|------|-------|-----|-----|-----|-----|-----|-------|-----|-----|-----|------|-------|-----|-----|------|------|------|-----|------|------|------|-----|
| SAMPLES      | ppm | ppm  | ppm    | ppm    | ppm  | ppm | ppm | ppm  | %     | ppm | ppm | ppm | ppm | ppm | ppm   | ppm | ppm | ppm | %    | %     | ppm | ppm | %    | ppm  | %    | ppm | %    | %    | %    | ppm |
| NTFMR017     | <1  | 3    | 14     | <1     | <.3  | 1   | 2   | 207  | 0.39  | <2  | <8  | <2  | <2  | 255 | <.5   | <3  | <3  | <1  | 3.5  | 0.002 | 14  | <1  | <.01 | 1335 | <.01 | <20 | 0.1  | 0.01 | 0.04 | <2  |
| NTFMR018     | 2   | 4    | 22     | <1     | <.3  | 1   | 1   | 84   | 0.76  | <2  | <8  | <2  | 2   | 217 | <.5   | <3  | <3  | <1  | 1.38 | 0.006 | 13  | <1  | <.01 | 526  | <.01 | <20 | 0.17 | 0.01 | 0.2  | <2  |
| NTFMR019     | 15  | 13   | 254    | <1     | 1    | 12  | 5   | 7    | 12.98 | 19  | 12  | <2  | 7   | 30  | <.5   | 4   | 8   | 1   | 4.03 | 0.023 | 46  | 3   | 0.04 | 12   | 0.01 | 40  | 2.72 | 0.37 | 2.03 | <2  |
| NTFMR020     | 5   | 8    | 92     | <1     | 0.3  | 9   | 4   | 3    | 3.48  | 6   | 8   | <2  | 6   | 17  | <.5   | <3  | 7   | 1   | 1.25 | 0.024 | 35  | 2   | 0.02 | 26   | 0.01 | <20 | 1.44 | 0.1  | 1.26 | <2  |
| NTFMR021     | 6   | 17   | 154    | <1     | 0.7  | 16  | 8   | 6    | 4.23  | 19  | <8  | <2  | 6   | 42  | <.5   | 3   | 8   | 1   | 1.72 | 0.026 | 23  | 2   | 0.03 | 22   | 0.01 | <20 | 1.95 | 0.08 | 1.51 | <2  |
| CAMMR001     | 14  | 154  | 3251   | 4191   | 97.2 | 23  | 1   | 2764 | 38.04 | 237 | 14  | <2  | <2  | 306 | 18.2  | 95  | <3  | 13  | 5.51 | 0.004 | 12  | <1  | 2.1  | 13   | <.01 | <20 | 0.06 | <.01 | 0.01 | <2  |
| CAMMR002     | 14  | 108  | 3705   | 9241   | 3    | 1   | <1  | 1911 | 5.94  | 24  | 34  | <2  | 43  | 26  | 49.8  | 9   | 11  | 1   | 0.71 | 0.002 | 228 | 4   | 0.89 | 380  | 0.07 | <20 | 1.99 | 0.08 | 0.85 | <2  |
| CAMMR003     | 16  | 3142 | 6633   | >10000 | 19.6 | <1  | 10  | 2489 | 11.08 | 6   | 18  | 4   | 24  | 49  | 351.1 | 24  | 28  | 2   | 3.72 | 0.006 | 113 | 3   | 1.04 | 33   | 0.07 | <20 | 1.68 | 0.01 | 0.96 | <2  |
| CAMMR004     | 8   | 26   | 12     | 196    | 0.5  | 3   | 1   | 1076 | 4.53  | 55  | <8  | <2  | 24  | 3   | 0.9   | <3  | 6   | 1   | 0.06 | 0.011 | 34  | 6   | 0.3  | 152  | <.01 | <20 | 0.98 | 0.01 | 0.21 | <2  |
| CAMMR005     | 9   | 8    | 108    | 119    | 0.9  | <1  | <1  | 31   | 0.73  | <2  | <8  | <2  | 6   | 2   | 0.5   | <3  | <3  | <1  | 0.02 | 0.006 | 30  | 3   | 0.01 | 208  | <.01 | <20 | 0.25 | 0.01 | 0.23 | <2  |
| CAMMR006     | 20  | 472  | 29     | 543    | 1.1  | 3   | <1  | 96   | 5.91  | 40  | <8  | <2  | 4   | 6   | <.5   | <3  | 13  | 3   | 0.16 | 0.011 | 18  | 3   | 0.03 | 77   | <.01 | <20 | 0.26 | <.01 | 0.17 | <2  |
| CAMMR007     | 24  | 111  | 97     | 1395   | 1.1  | <1  | <1  | 16   | 1.56  | 19  | <8  | <2  | 5   | 134 | 6.2   | <3  | 7   | 1   | 0.04 | 0.022 | 32  | 4   | 0.03 | 142  | <.01 | <20 | 0.26 | 0.01 | 0.23 | <2  |
| CAMMR008     | 24  | 592  | >10000 | >10000 | 27.2 | <1  | 6   | 2921 | 23.65 | <2  | 37  | <2  | 43  | 17  | 776.1 | 33  | 24  | 1   | 2.37 | 0.009 | 179 | <1  | 1.68 | 11   | 0.07 | <20 | 2.7  | 0.02 | 1.19 | <2  |
| CAMMR009     | 14  | 34   | 153    | 2735   | <.3  | 4   | <1  | 3307 | 19.71 | <2  | 33  | <2  | 31  | 7   | 13    | <3  | 9   | 17  | 0.24 | 0.017 | 172 | 1   | 2.31 | 73   | 0.21 | <20 | 4.4  | 0.02 | 2.93 | <2  |
| CAMMR010     | 3   | 6    | 6210   | 358    | 19.1 | <1  | <1  | 12   | 0.36  | 31  | <8  | <2  | <2  | 441 | 1.5   | 31  | <3  | <1  | 0.01 | 0.001 | 2   | <1  | 0.01 | 1325 | <.01 | <20 | 0.02 | <.01 | 0.01 | <2  |
| CAMMR011     | 21  | 19   | 2192   | 1377   | 7.5  | <1  | <1  | 42   | 25.44 | 234 | <8  | <2  | 12  | 7   | 4.3   | 8   | 5   | 3   | 0.12 | 0.003 | 37  | 2   | 0.03 | 14   | 0.01 | <20 | 0.27 | 0.01 | 0.13 | <2  |
| CAMMR012     | 25  | 5945 | >10000 | >10000 | 18.1 | <1  | 22  | 3858 | 10.96 | <2  | 28  | <2  | 23  | 40  | 217.5 | 22  | 20  | 1   | 5.33 | 0.001 | 115 | 4   | 1.89 | 31   | 0.02 | <20 | 1.46 | 0.13 | 0.35 | <2  |
| CAMMR013     | 12  | 640  | 4535   | >10000 | 4.3  | <1  | 1   | 2578 | 27.62 | 20  | 26  | <2  | 28  | 11  | 191.9 | 18  | 10  | 1   | 1.38 | 0.002 | 120 | <1  | 1.66 | 14   | 0.05 | <20 | 1.68 | 0.02 | 1.04 | <2  |
| RE CAMMR013  | 13  | 659  | 4440   | >10000 | 4.3  | <1  | 1   | 2508 | 27.21 | 20  | 25  | <2  | 27  | 11  | 195.2 | 19  | 7   | 1   | 1.37 | 0.002 | 118 | <1  | 1.61 | 12   | 0.05 | <20 | 1.62 | 0.02 | 1.02 | <2  |
| CAMMR014     | 51  | 20   | 199    | 167    | 1.2  | 16  | <1  | 127  | 18.99 | 142 | 11  | <2  | 14  | 4   | <.5   | 6   | 4   | 23  | 0.27 | 0.008 | 55  | 4   | 0.17 | 15   | 0.01 | <20 | 0.38 | 0.01 | 0.23 | <2  |
| TMMMR001     | 1   | 22   | 36     | 765    | <.3  | <1  | <1  | 3777 | 9.04  | <2  | <8  | <2  | 7   | 72  | 1.8   | <3  | 6   | 5   | 0.24 | 0.012 | 26  | 5   | 1.51 | 788  | 0.08 | <20 | 1.63 | 0.02 | 1.36 | <2  |
| TMMMR003     | 1   | 15   | 48     | 91     | <.3  | 3   | 1   | 2977 | 6.34  | 129 | 26  | <2  | 35  | 47  | <.5   | <3  | 12  | 3   | 1.24 | 0.025 | 193 | 12  | 0.71 | 283  | 0.1  | <20 | 1.45 | 0.01 | 1.29 | <2  |
| TMMMR004     | 1   | 13   | <3     | 123    | <.3  | 3   | 2   | 1631 | 5.84  | <2  | <8  | <2  | 8   | 18  | <.5   | <3  | 7   | 2   | 0.79 | 0.017 | 33  | 4   | 0.46 | 188  | 0.09 | <20 | 1.2  | 0.05 | 0.72 | <2  |
| TMMMR005     | <1  | 64   | <3     | 699    | <.3  | <1  | 2   | 3577 | 9.59  | 4   | 8   | <2  | 14  | 61  | 4.4   | <3  | 9   | 1   | 2.06 | 0.034 | 64  | 3   | 2.08 | 169  | 0.14 | <20 | 3.76 | 0.01 | 2.31 | <2  |
| STANDARD DS7 | 22  | 106  | 65     | 431    | 0.6  | 57  | 10  | 653  | 2.55  | 51  | 9   | <2  | 4   | 77  | 6.3   | 7   | 12  | 89  | 0.96 | 0.078 | 12  | 205 | 1.11 | 433  | 0.12 | 43  | 1.06 | 0.09 | 0.48 | <2  |

To Bootleg Exploration Inc. PROJECT FM0703

Acme file # A705965 Page 1 (a) Received: AUG 13 2007 \* 60 samples in this disk file.

Analysis: GROUP 4B - REE - 0.200 GM BY LIBO2/LI2B4O7 FUSION, ICP/MS FINISHED.

| ELEMENT     | Ba     | Be  | Co   | Cs  | Ga   | H    | Nb    | Rb    | Sn  | Sr    | Ta   | Th   | U    | V   | W   | Zr     | Y     | La    | Ce    | Pr    | Nd    | Sm    | Eu   | Gd    | Tb   | Dy    | Ho   | Er    | Tm   | Yb    | Lu   |
|-------------|--------|-----|------|-----|------|------|-------|-------|-----|-------|------|------|------|-----|-----|--------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|
| SAMPLES     | ppm    | ppm | ppm  | ppm | ppm  | ppm  | ppm   | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm | ppm    | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm   | ppm  | ppm   | ppm  | ppm   | ppm  | ppm   | ppm  |
| JBFMR006    | 2373.4 | 2   | 2.6  | 0.6 | 22.1 | 19   | 238.3 | 121.8 | 6   | 49.3  | 11.3 | 29.2 | 7.6  | 7   | 3.6 | 831.1  | 61.8  | 141.6 | 241.2 | 27.76 | 90.8  | 13.09 | 1.34 | 9.35  | 1.82 | 8.28  | 1.77 | 5.27  | 0.95 | 5.67  | 0.8  |
| JBFMR008    | 1246.4 | 1   | 29   | 1.4 | 19.3 | 4.3  | 47    | 87.1  | 2   | 193.9 | 2.4  | 3.4  | 1.1  | 235 | 3   | 161.4  | 38.6  | 35.7  | 70.9  | 9.75  | 41.7  | 7.9   | 2.77 | 7.94  | 1.41 | 6.16  | 1.21 | 3.06  | 0.49 | 2.64  | 0.39 |
| JBFMR009    | 7187.3 | 7   | 0.7  | 1.7 | 59.8 | 66.1 | 602.3 | 396.4 | 26  | 18.4  | 33.7 | 82.9 | 26.6 | 6   | 6.1 | 2830.4 | 187.6 | 88.3  | 143.8 | 15.05 | 46.7  | 9.36  | 0.49 | 12.47 | 4.11 | 24.35 | 5.69 | 17.72 | 3.2  | 18.29 | 2.65 |
| JBFMR010    | 1980.4 | 10  | 1.9  | 1.6 | 38.5 | 35.7 | 365.1 | 302.9 | 14  | 80.6  | 18.5 | 55.6 | 16.4 | 6   | 4.5 | 1511.3 | 109.5 | 179.8 | 308.6 | 33.88 | 110.9 | 17    | 0.91 | 14.15 | 2.91 | 14.56 | 3.19 | 9.66  | 1.73 | 10.36 | 1.48 |
| JBFMR011    | 3934.5 | 2   | 1.9  | 0.9 | 21.7 | 16.6 | 188.1 | 162.3 | 4   | 36.4  | 9.6  | 25.7 | 6.6  | <5  | 4.6 | 715.5  | 51.7  | 94.5  | 158   | 17.16 | 55.1  | 8.03  | 1.44 | 6.53  | 1.45 | 7.04  | 1.52 | 4.64  | 0.82 | 5.02  | 0.7  |
| JBFMR012    | 2893.7 | 2   | 0.8  | 0.9 | 48.1 | 24.8 | 288.6 | 161.6 | 13  | 33.5  | 14.4 | 36.8 | 9.7  | <5  | 6.3 | 1087.9 | 81.1  | 129.8 | 220.3 | 24.05 | 78.4  | 11.7  | 1.59 | 10.3  | 2.26 | 11.04 | 2.3  | 6.92  | 1.24 | 7.36  | 1.07 |
| JBFMR013    | 2284   | 2   | 1    | 1.6 | 35.6 | 15.8 | 186.8 | 111.7 | 5   | 45.8  | 9.2  | 18.1 | 4.8  | <5  | 2.4 | 622.9  | 68.5  | 105.7 | 190.2 | 22.59 | 80.7  | 12.76 | 2.96 | 10.72 | 2.05 | 9.69  | 2.12 | 6.05  | 1.05 | 6.2   | 0.9  |
| RE JBFMR013 | 2248   | 3   | 0.7  | 1.7 | 36.5 | 15.8 | 184.1 | 113.4 | 5   | 45.1  | 9.1  | 19.2 | 4.8  | <5  | 2.3 | 623.1  | 68.2  | 104.8 | 189.1 | 22.27 | 81.3  | 13.26 | 3.04 | 10.84 | 2.1  | 9.9   | 2.09 | 6.12  | 1.1  | 6.25  | 0.92 |
| JBFMR014    | 1362.9 | 5   | 1.1  | 1.6 | 37.2 | 10.5 | 125.6 | 107.7 | 22  | 33.1  | 6.1  | 18.1 | 4.5  | 5   | 3.2 | 405.4  | 47.7  | 156.9 | 271.8 | 33.24 | 112.3 | 16.18 | 2.09 | 11.15 | 1.74 | 7.3   | 1.38 | 3.89  | 0.68 | 3.94  | 0.59 |
| JBFMR016    | 2609.9 | 6   | 4.9  | 2.2 | 33.1 | 15.8 | 197.9 | 184.5 | 5   | 24.9  | 9.9  | 21.3 | 6.1  | 23  | 2.9 | 621.1  | 71.2  | 123.5 | 219.2 | 26.45 | 91.3  | 14.26 | 2.15 | 11.89 | 2.28 | 10.47 | 2.17 | 6.24  | 1.06 | 6.11  | 0.89 |
| JBFMR017    | 1890.5 | 3   | 35.3 | 0.8 | 19.6 | 5.1  | 60.2  | 50.6  | 2   | 384   | 3.2  | 4.9  | 1.2  | 253 | 1.4 | 181.5  | 40.4  | 47    | 93.8  | 12.77 | 53.2  | 9.51  | 2.95 | 8.78  | 1.48 | 6.61  | 1.24 | 3.24  | 0.54 | 2.79  | 0.4  |
| JBFMR019    | 1546.4 | <1  | 48.9 | 2.3 | 14.8 | 2.8  | 29.5  | 70    | 2   | 163.3 | 1.7  | 8.3  | 2.1  | 188 | 1.1 | 92.6   | 21.4  | 20.8  | 37.4  | 4.63  | 17.9  | 3.41  | 0.91 | 3.4   | 0.67 | 3.11  | 0.65 | 1.83  | 0.32 | 1.84  | 0.27 |
| JBFMR019A   | 1607   | 5   | 2.6  | 1.6 | 26.8 | 11.8 | 144   | 105.2 | 4   | 27.8  | 6.9  | 20.2 | 4.4  | 12  | 2.3 | 449.8  | 53.5  | 93.6  | 163.7 | 19.7  | 71.6  | 11.34 | 1.88 | 9.55  | 1.73 | 7.9   | 1.57 | 4.47  | 0.75 | 4.29  | 0.65 |
| JBFMR020    | 1866.1 | 1   | <5   | 1.8 | 31.9 | 18.1 | 216.9 | 119.7 | 6   | 31.1  | 11   | 24.6 | 5.2  | <5  | 2.4 | 728.3  | 61.8  | 120.1 | 217.5 | 25.86 | 90.9  | 13.73 | 1.44 | 10.74 | 2.02 | 9.6   | 1.87 | 5.68  | 0.98 | 5.85  | 0.87 |
| JBFMR021    | 2005.4 | 3   | 37   | 5.9 | 15.9 | 3.8  | 22.5  | 135.1 | 3   | 715.2 | 1    | 28.7 | 9    | 220 | 4.7 | 127.4  | 25.6  | 43.8  | 86.8  | 12.03 | 50.9  | 8.78  | 2.05 | 5.84  | 0.9  | 3.88  | 0.72 | 2.13  | 0.36 | 2.03  | 0.31 |
| JBFMR022    | 2183.6 | 3   | 0.6  | 0.9 | 30.6 | 18.9 | 226   | 84.6  | 5   | 21.4  | 11.1 | 25.6 | 6.4  | <5  | 3.9 | 741.9  | 64.4  | 91.3  | 178.3 | 20.52 | 74.8  | 11.9  | 1.25 | 9.76  | 1.91 | 9.33  | 1.96 | 5.88  | 0.99 | 6.05  | 0.9  |
| JBFMR023    | 1239.1 | 2   | 0.5  | 0.9 | 19.9 | 7.9  | 68.1  | 58.8  | 4   | 118.4 | 3.5  | 11   | 3    | 69  | 3.4 | 315.5  | 23.4  | 51.6  | 94.3  | 11.34 | 40.6  | 6.06  | 1.23 | 4.3   | 0.75 | 3.4   | 0.66 | 2.17  | 0.36 | 2.25  | 0.34 |
| JBFMR024    | 147.8  | <1  | 6.3  | 0.1 | 27.8 | 15.4 | 184.5 | 1.5   | 1   | 72.3  | 9.2  | 19.7 | 4.8  | <5  | 3.7 | 620.1  | 57.1  | 156.7 | 285.2 | 33.9  | 119.5 | 18.75 | 1.97 | 12.98 | 2.15 | 9.12  | 1.78 | 5.45  | 0.94 | 6.03  | 0.86 |
| JBFMR025    | 1244.6 | 3   | 1.4  | 2.7 | 27.9 | 11   | 206.7 | 215.6 | 4   | 24    | 10.2 | 28.8 | 7    | <5  | 3.4 | 440.4  | 49.2  | 95.3  | 163.4 | 18.49 | 62.6  | 8.98  | 1.84 | 7.22  | 1.4  | 6.82  | 1.43 | 4.33  | 0.77 | 4.7   | 0.7  |
| JBFMR028    | 1495.3 | 1   | 13.6 | 2.2 | 22.5 | 6.9  | 94.2  | 126.8 | 3   | 47.8  | 4.7  | 17.9 | 3.9  | 99  | 2.9 | 287.7  | 37.6  | 71.5  | 128.5 | 15.76 | 58.6  | 9.09  | 2.19 | 7.4   | 1.33 | 5.81  | 1.15 | 3.24  | 0.55 | 3.14  | 0.46 |
| JBFMR029    | 76.2   | 1   | <5   | 0.2 | 4.7  | 1.8  | 25.7  | 14.5  | 1   | 5.8   | 1.4  | 4.1  | 2.5  | 26  | 0.4 | 54     | 13.8  | 26.7  | 39.9  | 5.22  | 19.7  | 2.62  | 0.39 | 1.76  | 0.32 | 1.55  | 0.33 | 0.98  | 0.17 | 1.02  | 0.16 |
| JBFMR030    | 3145.3 | <1  | 3.2  | 1.8 | 21.1 | 10.9 | 150.9 | 197.9 | 3   | 20.8  | 7.9  | 27.4 | 8.1  | <5  | 2.9 | 382.2  | 46.8  | 96.3  | 166.9 | 19.46 | 67.5  | 9.72  | 1.77 | 7.38  | 1.4  | 6.74  | 1.36 | 4.16  | 0.75 | 4.66  | 0.7  |
| JBFMR031    | 2617.9 | 3   | 3.6  | 1.6 | 26.4 | 11.6 | 158.6 | 191.4 | 4   | 119.6 | 7.8  | 30.2 | 7.6  | <5  | 4.2 | 455.9  | 49.1  | 102   | 176.3 | 20.64 | 71.8  | 10.77 | 1.84 | 8.43  | 1.54 | 7.34  | 1.47 | 4.5   | 0.76 | 4.54  | 0.68 |
| JBFMR032    | 530.2  | <1  | 8.6  | 1.8 | 19.5 | 9    | 158.7 | 105   | 3   | 52.4  | 8.2  | 20.9 | 6.2  | 13  | 3.6 | 347.3  | 40.7  | 69    | 116.4 | 13.32 | 44.1  | 6.75  | 1.41 | 5.48  | 1.1  | 5.56  | 1.2  | 3.76  | 0.66 | 3.96  | 0.62 |
| JBFMR033    | 1128.7 | 2   | 3.9  | 3.5 | 27.3 | 10.9 | 208.3 | 192.1 | 4   | 21.8  | 10.3 | 29.2 | 10.3 | <5  | 3.3 | 454.3  | 54.6  | 112.6 | 186.9 | 20.86 | 70.5  | 10.14 | 2.3  | 7.85  | 1.51 | 7.28  | 1.49 | 4.62  | 0.87 | 5.13  | 0.77 |
| JBFMR035    | 901    | 1   | 24.5 | 5.1 | 19.5 | 4.2  | 57.2  | 125.3 | 1   | 215.6 | 3    | 6.1  | 1.5  | 120 | 0.8 | 156.3  | 37.2  | 46.6  | 89.6  | 11.96 | 50.2  | 8.84  | 3.53 | 7.84  | 1    |       |      |       |      |       |      |

| ELEMENT        | Ba      | Be  | Co   | Cs  | Ga   | Hf   | Nb    | Rb    | Sn  | Sr    | Ta   | Th   | U    | V   | W    | Zr     | Y    | La    | Ce    | Pr    | Nd    | Sm    | Eu   | Gd    | Tb   | Dy    | Ho   | Er   | Tm   | Yb   | Lu   |
|----------------|---------|-----|------|-----|------|------|-------|-------|-----|-------|------|------|------|-----|------|--------|------|-------|-------|-------|-------|-------|------|-------|------|-------|------|------|------|------|------|
| SAMPLES        | ppm     | ppm | ppm  | ppm | ppm  | ppm  | ppm   | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm    | ppm  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm   | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  |
| TMFMR001       | 5410.5  | 9   | 2.7  | 1.3 | 29   | 19.4 | 179.4 | 302   | 11  | 48.5  | 10.9 | 51.4 | 12.7 | 10  | 7    | 843.3  | 58.1 | 125.9 | 219.6 | 23.23 | 78.1  | 12.95 | 0.68 | 9.75  | 1.68 | 9.2   | 1.67 | 5.51 | 0.91 | 6.35 | 0.89 |
| TMFMR003       | 1203    | 1   | 1.1  | 2.8 | 28.3 | 14.8 | 185.9 | 176.3 | 7   | 17.1  | 10.5 | 26.4 | 5.4  | 9   | 1.5  | 654.4  | 68.3 | 101.1 | 181.4 | 20.95 | 79.6  | 13.79 | 1.05 | 11.32 | 2    | 11.54 | 2.04 | 6.48 | 0.98 | 6.92 | 0.94 |
| TMMMR002       | 40831.2 | 15  | 4.2  | 6   | 29.1 | 27.8 | 325.9 | 102.4 | 10  | 757.6 | 17.8 | 38.1 | 10.7 | 31  | 3.5  | 1241.5 | 97.5 | 160   | 288.6 | 32.06 | 120   | 20.61 | 1.57 | 17.91 | 3.15 | 17.45 | 2.93 | 9.39 | 1.45 | 9.45 | 1.31 |
| TMMMR006       | 2671.4  | 9   | 0.8  | 6   | 34.8 | 24.5 | 249.3 | 119.8 | 10  | 57.3  | 13.6 | 34   | 8.8  | <5  | 1.9  | 1040.4 | 89.5 | 136   | 258.5 | 30.26 | 112.5 | 20.72 | 1.87 | 17.88 | 2.97 | 15.72 | 2.69 | 8.45 | 1.26 | 8.52 | 1.15 |
| TMMMR007       | 1072.4  | 4   | <.5  | 2   | 35.7 | 23.3 | 239.1 | 144.8 | 9   | 35.1  | 13.2 | 33.9 | 8.4  | <5  | 2.5  | 997.3  | 87   | 147.8 | 271.8 | 32.12 | 121.2 | 21.35 | 1.85 | 17.31 | 2.95 | 15.54 | 2.65 | 8    | 1.19 | 8.14 | 1.11 |
| TMMMR008       | 1792.5  | 6   | 1.5  | 5.6 | 35.7 | 32.2 | 383.8 | 261.6 | 13  | 41    | 18   | 76.7 | 22.7 | <5  | 4.4  | 1479.8 | 81.1 | 173.8 | 297.9 | 30.72 | 98.9  | 16.99 | 0.57 | 13.5  | 2.34 | 12.91 | 2.29 | 7.67 | 1.21 | 8.64 | 1.15 |
| STANDARD SO-18 | 494.1   | 1   | 26.5 | 6.5 | 16   | 9.4  | 21.8  | 26.5  | 14  | 409.3 | 7    | 10.5 | 16.1 | 208 | 14.5 | 303    | 32.7 | 11.6  | 23.7  | 3.12  | 13.6  | 2.97  | 0.81 | 2.9   | 0.52 | 2.89  | 0.54 | 1.7  | 0.24 | 1.77 | 0.23 |

| ELEMENT      | Mo   | Cu    | Pb     | Zn   | Ni    | As   | Cd   | Sb  | Bi  | Ag   | Au   | Hg   | Tl  | Se   |
|--------------|------|-------|--------|------|-------|------|------|-----|-----|------|------|------|-----|------|
| SAMPLES      | ppm  | ppm   | ppm    | ppm  | ppm   | ppm  | ppm  | ppm | ppm | ppm  | ppb  | ppm  | ppm | ppm  |
| JBFMR006     | 2.6  | 4.7   | 11.6   | 1118 | 1     | 8.3  | 3.4  | 1.1 | 0.2 | 0.1  | <5   | 0.01 | 0.1 | 0.7  |
| JBFMR008     | 1.2  | 8.6   | 30.9   | 112  | 10.3  | 5.9  | 0.2  | 0.3 | <1  | <1   | 0.8  | 0.01 | <1  | 0.6  |
| JBFMR009     | 2.6  | 7.2   | 69.1   | 325  | 0.2   | 5.5  | 2.3  | 0.9 | 0.1 | 0.3  | 3.8  | 0.23 | 0.1 | <5   |
| JBFMR010     | 1.7  | 7.5   | 17.7   | 101  | 0.7   | 5    | 0.4  | 0.6 | 0.2 | 0.3  | 1.6  | 0.02 | 0.2 | 0.8  |
| JBFMR011     | 12.9 | 56.9  | 35.7   | 452  | 1     | 9.8  | 2.7  | 0.7 | 0.2 | 0.2  | 6.9  | 0.02 | 0.1 | 0.9  |
| JBFMR012     | 0.3  | 8.1   | 10.4   | 893  | 0.3   | 3.3  | 7.3  | 0.3 | 0.1 | <1   | 1.4  | 0.05 | <1  | <5   |
| JBFMR013     | 0.9  | 1.3   | 2.9    | 11   | <1    | <5   | <1   | <1  | <1  | <1   | 0.8  | <0.1 | <1  | <5   |
| RE JBFMR013  | 1    | 1.9   | 3.1    | 13   | <1    | <5   | <1   | <1  | <1  | <1   | 0.7  | 0.01 | <1  | <5   |
| JBFMR014     | 2    | 5.6   | 2.7    | 76   | 3.3   | <5   | 0.2  | 0.1 | <1  | <1   | <5   | <0.1 | <1  | <5   |
| JBFMR016     | 4.2  | 2.1   | 4.6    | 108  | 10.3  | 3.5  | 0.7  | 0.3 | 0.1 | <1   | 1.6  | 0.01 | <1  | <5   |
| JBFMR017     | 0.9  | 39.6  | 5.8    | 126  | 13.6  | 2.3  | 0.2  | 0.7 | <1  | <1   | 1.2  | 0.01 | <1  | <5   |
| JBFMR019     | 0.3  | 82.7  | 3.6    | 130  | 133.5 | 1.9  | 0.2  | 0.2 | <1  | 0.2  | 0.5  | <0.1 | 0.1 | 0.5  |
| JBFMR019A    | 9.3  | 3.9   | 5.5    | 76   | 2.4   | 1.4  | 0.3  | 0.4 | 0.1 | <1   | 0.9  | 0.01 | 0.1 | 0.6  |
| JBFMR020     | 2.6  | 2.5   | 4.8    | 1095 | 0.3   | <5   | 7.4  | <1  | 0.1 | <1   | 1.8  | 0.09 | <1  | 0.5  |
| JBFMR021     | 0.9  | 51.3  | 4.3    | 58   | 69.6  | <5   | <1   | 0.1 | 0.1 | <1   | 2    | <0.1 | 1.1 | 0.5  |
| JBFMR022     | 7.7  | 4.4   | 4.2    | 46   | 1.2   | 1    | 0.1  | 0.1 | 0.1 | <1   | 2.8  | <0.1 | <1  | 0.5  |
| JBFMR023     | 2.5  | 4.7   | 6.2    | 11   | 4.5   | 6.2  | <1   | 0.7 | 0.2 | <1   | 1.5  | 0.01 | <1  | 1.8  |
| JBFMR024     | 3.7  | 1.9   | 1.7    | 5    | 1.2   | 14.4 | <1   | 0.1 | 0.5 | <1   | 0.6  | <0.1 | <1  | 1.5  |
| JBFMR025     | 0.5  | 1.7   | 3      | 5    | 0.3   | <5   | <1   | 0.1 | <1  | <1   | 0.6  | 0.01 | 0.1 | <5   |
| JBFMR028     | 2.4  | 2.9   | 4.1    | 26   | 5.3   | 3.1  | 0.1  | 0.2 | 0.1 | <1   | 0.8  | 0.01 | <1  | <5   |
| JBFMR029     | 0.4  | 1.4   | 13.8   | 3    | 0.6   | <5   | <1   | 0.9 | <1  | 0.3  | <5   | 0.2  | <1  | 0.6  |
| JBFMR030     | 3.2  | 7.3   | 16.2   | 19   | 3.2   | 5.1  | 0.1  | 1   | <1  | 0.4  | <5   | 0.07 | 0.1 | <5   |
| JBFMR031     | 4    | 3.7   | 5.7    | 25   | 1.1   | 0.7  | 0.2  | 0.4 | <1  | <1   | 2.3  | 0.02 | 0.1 | <5   |
| JBFMR032     | 1.3  | 4.7   | 7.9    | 7    | 6.1   | 6.8  | 0.1  | 1   | 0.1 | 0.3  | 1.9  | 0.03 | 0.1 | <5   |
| JBFMR033     | 1.4  | 12.3  | 7.5    | 4    | 1.7   | 3    | <1   | 0.3 | <1  | <1   | 1    | 0.02 | 0.1 | 0.8  |
| JBFMR035     | 1.7  | 19.1  | 9.4    | 20   | 11.3  | 2.4  | 0.1  | 0.7 | <1  | <1   | <5   | 0.05 | 0.1 | <5   |
| JBFMR036     | 1.7  | 22.3  | 15.4   | 25   | 12.7  | 2.3  | 0.1  | 0.8 | <1  | <1   | 1.6  | 0.11 | 0.1 | 0.7  |
| JBFMR038     | 1.3  | 4.8   | 16.9   | 44   | 3.7   | 2.2  | 0.2  | 0.5 | <1  | 0.1  | 0.5  | 0.02 | <1  | <5   |
| JBFMR040     | 2.4  | 4.1   | 33.1   | 88   | 0.7   | 3.8  | 0.6  | 0.8 | <1  | 0.2  | 1.1  | 0.04 | 0.1 | <5   |
| JBFMR041     | 1    | 2.1   | 6.8    | 35   | 0.2   | 0.6  | 0.2  | 0.1 | <1  | <1   | 1    | <0.1 | <1  | 0.7  |
| JBFMR047     | 0.6  | 4.2   | 18     | 14   | 0.6   | 2.5  | 0.1  | 0.4 | <1  | <1   | 1.7  | 0.02 | 0.1 | <5   |
| JBFMR049     | 0.6  | 4.7   | 4.5    | 14   | 4.7   | 0.8  | 0.2  | 0.1 | <1  | <1   | 1.8  | 0.02 | 0.1 | 0.6  |
| JBFMR052     | 1    | 52.8  | 1.5    | 59   | 37.3  | <5   | <1   | 0.1 | <1  | <1   | 2.6  | 0.04 | 0.1 | <5   |
| JBFMR053     | 3.3  | 8.2   | 12.8   | 123  | 1.9   | 6.3  | 0.6  | 0.7 | 0.2 | 0.3  | 1.7  | 0.02 | 0.1 | 0.6  |
| JBFMR054     | 18.6 | 8     | 26.4   | 40   | 4.1   | 1.9  | 0.2  | 1.1 | 0.2 | 0.3  | 1.7  | 0.01 | 0.1 | <5   |
| JBFMR055     | 1.3  | 1     | 2.7    | 3    | 0.2   | <5   | <1   | 0.1 | <1  | <1   | <5   | 0.01 | <1  | <5   |
| JBFMR056     | 2.3  | 5.9   | 11.7   | 21   | 0.5   | 5    | 0.1  | 0.9 | 0.1 | 0.2  | 3.9  | 0.01 | 0.1 | <5   |
| STANDARD DS7 | 18.7 | 103.7 | 64.8   | 402  | 57.9  | 46.7 | 6.1  | 5.1 | 4.5 | 0.8  | 80.3 | 0.19 | 3.9 | 3.9  |
| JBFMR057     | 0.3  | 0.8   | 6.9    | 16   | <1    | <5   | 0.1  | 0.1 | <1  | <1   | <5   | <0.1 | <1  | <5   |
| JBMMR040     | 19.6 | 1.9   | 526.9  | 4622 | 0.1   | 1.8  | 15.5 | 0.6 | 0.9 | 1.1  | 5.2  | 0.07 | 1.4 | 1.4  |
| JBMMR041     | 10.8 | 34.8  | 2867.7 | 1179 | 23    | 56.3 | 7    | 12  | 0.3 | 12.9 | 2.3  | 0.01 | 0.8 | 16.6 |
| JBMMR042     | 6.4  | 5.2   | 34.8   | 76   | <1    | 2    | 0.1  | 0.1 | 0.1 | 0.2  | 2.1  | <0.1 | 0.5 | <5   |
| JBMMR043     | 0.2  | 0.4   | 19     | 18   | 0.3   | 0.7  | 0.1  | 0.1 | <1  | <1   | <5   | <0.1 | <1  | <5   |
| RE JBMMR043  | 0.3  | 0.1   | 21.6   | 22   | <1    | 2    | 0.1  | 0.2 | <1  | <1   | <5   | 0.01 | <1  | 0.8  |
| JBMMR044     | 5.2  | 3.1   | 13.1   | 131  | <1    | 10.9 | 0.2  | 0.3 | 0.1 | <1   | 1.2  | <0.1 | 2.3 | <5   |
| JBMMR045     | 5.6  | 7     | 8.6    | 23   | <1    | 3.5  | <1   | 0.3 | <1  | <1   | 1.7  | <0.1 | 0.4 | <5   |
| JBMMR046     | 12   | 2.7   | 48     | 185  | <1    | 1.3  | 0.2  | 0.7 | <1  | <1   | 3.9  | 0.01 | 2.7 | 0.7  |
| JBMMR047     | 5.4  | 7.3   | 16.8   | 17   | 1     | 3.5  | <1   | 0.7 | 0.1 | 0.4  | 2.1  | <0.1 | 0.4 | <5   |
| CAFMR001     | 3.3  | 30    | 6.1    | 85   | 19.3  | 9.8  | 0.1  | 0.2 | <1  | <1   | 0.5  | <0.1 | 0.1 | <5   |
| CAFMR002     | 1.4  | 43.5  | 3.1    | 100  | 15.3  | 0.5  | 0.1  | 0.2 | <1  | <1   | <5   | <0.1 | <1  | <5   |
| CAFMR003     | 0.3  | 2.3   | 4.5    | 22   | 0.3   | 0.5  | 0.1  | 0.3 | <1  | <1   | 1.1  | 0.02 | <1  | <5   |
| CAFMR009     | 0.6  | 62.6  | 2.4    | 60   | 75.8  | <5   | 0.1  | 0.1 | <1  | <1   | 0.8  | <0.1 | <1  | <5   |
| CAFMR012     | 1.2  | 15.9  | 3.8    | 90   | 14.3  | 0.5  | 0.1  | 0.4 | <1  | <1   | 1.2  | <0.1 | 0.1 | <5   |
| CAFMR014     | 0.6  | 28.7  | 5.5    | 94   | 104.1 | 2.2  | 0.1  | 0.2 | 0.1 | <1   | 0.5  | <0.1 | 0.2 | 0.5  |
| CAFMR015     | 0.9  | 41.5  | 144.1  | 198  | 152   | 11.5 | 1.1  | 0.9 | 0.2 | 0.4  | 1    | 0.07 | 0.1 | 0.5  |
| TMFMR001     | 5.9  | 10.5  | 21.7   | 42   | 5.6   | 3.9  | 1.4  | 0.6 | 0.2 | 0.1  | 2.6  | <0.1 | 0.2 | <5   |
| TMFMR003     | 1.5  | 1.7   | 6.1    | 27   | 4     | <5   | 0.1  | 0.1 | <1  | <1   | 1    | <0.1 | 0.1 | <5   |
| TMMMR002     | 0.4  | 5.7   | 16.3   | 2788 | 17.7  | 2.4  | 16.8 | 0.6 | 0.1 | 0.2  | 3.4  | 0.06 | 7   | <5   |
| TMMMR006     | 4.5  | 1.9   | 44.6   | 214  | 0.2   | 1.6  | 0.2  | 0.4 | <1  | <1   | <5   | 0.01 | 1.4 | <5   |
| TMMMR007     | 2.1  | 1.8   | 7.4    | 169  | <1    | 5.7  | 0.3  | 0.3 | <1  | <1   | <5   | 0.01 | 0.7 | <5   |
| TMMMR008     | 7.8  | 0.8   | 4      | 44   | 1.5   | 0.9  | 0.4  | 0.1 | 0.4 | <1   | 3.4  | <0.1 | 1   | <5   |
| STANDARD DS7 | 19.3 | 109.3 | 60.1   | 380  | 57.6  | 44   | 5.8  | 4.4 | 4.2 | 0.8  | 47.3 | 0.18 | 4   | 3.5  |

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT  
To Bootleg Exploration Inc. PROJECT FM0703

Acme file # A705965 Page 1 Received: AUG 13 2007 \* 60 samples in this disk file.

Analysis: GROUP 4A - 0.200 GM SAMPLE BY LIBO2/LI2B4O7 FUSION, ANALYSIS BY ICP-ES. (LIBO2/LI2B4O7 FUSION MAY NOT BE SUITABLE FOR MASSIVE SULFIDE OR HI

| ELEMENT            | SiO2  | Al2O3 | Fe2O3 | MgO   | CaO   | Na2O | K2O   | TiO2 | P2O5 | MnO  | Cr2O3 | Ni  | Sc  | LOI  | TOT/C | TOT/S | SUM    |
|--------------------|-------|-------|-------|-------|-------|------|-------|------|------|------|-------|-----|-----|------|-------|-------|--------|
| SAMPLES            | %     | %     | %     | %     | %     | %    | %     | %    | %    | %    | %     | ppm | ppm | %    | %     | %     | %      |
| JBFMR006           | 46.75 | 14.77 | 4.49  | 4.12  | 7.69  | 3.46 | 5.4   | 0.29 | 0.09 | 0.24 | <.001 | <5  | 1   | 12.2 | 3.3   | 0.49  | 99.5   |
| JBFMR008           | 38.1  | 12.04 | 12.53 | 3.53  | 10.23 | 0.19 | 2.76  | 3.04 | 0.75 | 0.29 | <.001 | <5  | 19  | 16.4 | 4.07  | 0.33  | 99.86  |
| JBFMR009           | 57.84 | 20.53 | 3.05  | 0.52  | 0.15  | 0.11 | 13.13 | 0.16 | 0.04 | 0.01 | <.001 | <5  | 1   | 3.1  | 0.03  | 1.32  | 98.64  |
| JBFMR010           | 53.78 | 14.43 | 8.02  | 2.46  | 4.09  | 0.05 | 7.04  | 0.21 | 0.07 | 0.37 | <.001 | <5  | 1   | 9    | 2.06  | 0.95  | 99.51  |
| JBFMR011           | 70.39 | 13.25 | 2.9   | 0.83  | 0.86  | 0.09 | 7.31  | 0.28 | 0.08 | 0.03 | <.001 | <5  | 1   | 3.4  | 0.37  | 0.98  | 99.42  |
| JBFMR012           | 54.35 | 20.52 | 4.54  | 1.66  | 1.62  | 4.07 | 7.28  | 0.4  | 0.07 | 0.11 | <.001 | <5  | 1   | 4.8  | 1.02  | 0.23  | 99.42  |
| JBFMR013           | 61.79 | 15.74 | 5.62  | 1.18  | 2.34  | 0.21 | 4.83  | 0.77 | 0.15 | 0.14 | <.001 | <5  | 3   | 6.9  | 1.04  | 0.02  | 99.67  |
| RE JBFMR013        | 61.92 | 15.64 | 5.49  | 1.17  | 2.31  | 0.2  | 4.8   | 0.76 | 0.14 | 0.14 | <.001 | <5  | 3   | 7.1  | 1.06  | 0.01  | 99.67  |
| JBFMR014           | 65.36 | 17.11 | 5.5   | 1.1   | 0.76  | 2.85 | 3.19  | 0.63 | 0.15 | 0.05 | <.001 | <5  | 2   | 3.1  | 0.18  | 0.03  | 99.8   |
| JBFMR016           | 61.03 | 16.8  | 5.63  | 2.16  | 1.96  | 0.09 | 5.3   | 0.65 | 0.13 | 0.17 | 0.002 | <5  | 5   | 5.7  | 0.74  | 0.19  | 99.63  |
| JBFMR017           | 43.27 | 13.31 | 12.19 | 4.73  | 8.97  | 1    | 1.59  | 3.75 | 1.03 | 0.19 | 0.004 | 14  | 20  | 9.7  | 1.8   | 0.23  | 99.74  |
| JBFMR019           | 41.73 | 12.96 | 9.31  | 8.21  | 8.36  | 1.06 | 1.8   | 1.16 | 0.15 | 0.12 | 0.05  | 153 | 28  | 14.9 | 3.43  | 0.16  | 99.84  |
| JBFMR019A          | 65.32 | 13.23 | 9.29  | 1.51  | 1.82  | 0.08 | 2.86  | 0.65 | 0.13 | 0.16 | <.001 | <5  | 5   | 4.6  | 0.55  | 0.88  | 99.65  |
| JBFMR020           | 61.03 | 15.74 | 2.85  | 2.29  | 3.82  | 0.06 | 5.32  | 0.49 | 0.09 | 0.09 | <.001 | <5  | 2   | 7.8  | 1.58  | 0.03  | 99.58  |
| JBFMR021           | 48.38 | 13.49 | 8.53  | 9.01  | 7.6   | 1.72 | 2.97  | 0.97 | 0.64 | 0.14 | 0.067 | 142 | 29  | 6.2  | 0.92  | 0.09  | 99.74  |
| JBFMR022           | 63.1  | 16.81 | 5.79  | 0.23  | 0.13  | 5.7  | 5.22  | 0.54 | 0.11 | 0.14 | <.001 | <5  | 2   | 1.9  | 0.06  | 0.13  | 99.66  |
| JBFMR023           | 67.13 | 16.59 | 3.38  | 1.3   | 0.04  | 5.4  | 2.07  | 1.02 | 0.09 | 0.01 | 0.006 | <5  | 11  | 2.8  | 0.1   | 0.14  | 99.84  |
| JBFMR024           | 69.49 | 16.49 | 2.26  | 0.06  | 0.22  | 9.4  | 0.07  | 0.77 | 0.15 | 0.01 | <.001 | <5  | 2   | 1    | 0.08  | 0.55  | 99.92  |
| JBFMR025           | 59.02 | 20.97 | 1.59  | 0.58  | 0.47  | 0.17 | 13.59 | 0.64 | 0.12 | 0.03 | <.001 | <5  | 2   | 2.5  | 0.14  | 0.01  | 99.69  |
| JBFMR028           | 51.8  | 17.26 | 7.91  | 1.31  | 2.55  | 0.12 | 10.16 | 1.46 | 0.4  | 0.24 | 0.001 | 24  | 9   | 6.6  | 1.3   | 0.11  | 99.82  |
| JBFMR029           | 95.94 | 2.07  | 0.25  | 0.07  | <.01  | 0.01 | 0.69  | 0.09 | 0.03 | <.01 | <.001 | <5  | 1   | 0.9  | 0.14  | 0.2   | 100.05 |
| JBFMR030           | 62.57 | 18.25 | 1.39  | 0.09  | 0.13  | 0.19 | 14.45 | 0.64 | 0.17 | 0.02 | <.001 | <5  | 3   | 1.6  | 0.13  | 0.09  | 99.49  |
| JBFMR031           | 62.19 | 18.28 | 3.03  | 0.16  | 0.65  | 4.24 | 8.4   | 0.64 | 0.16 | 0.11 | <.001 | <5  | 3   | 1.8  | 0.14  | 0.03  | 99.66  |
| JBFMR032           | 67.51 | 14.69 | 2.15  | 0.86  | 3.21  | 0.05 | 5.49  | 0.45 | 0.11 | 0.07 | <.001 | <5  | 3   | 5.2  | 0.8   | 0.25  | 99.8   |
| JBFMR033           | 59.45 | 21.55 | 1.08  | 0.64  | 0.15  | 0.14 | 14.33 | 0.67 | 0.12 | 0.01 | <.001 | <5  | 2   | 1.7  | 0.02  | 0.18  | 99.84  |
| JBFMR035           | 45.9  | 17.31 | 10.35 | 1.35  | 5.31  | 1.11 | 5.36  | 2.82 | 0.93 | 0.13 | 0.003 | <5  | 16  | 9.2  | 1.64  | 3.54  | 99.77  |
| JBFMR036           | 46.93 | 18.43 | 9.28  | 1.46  | 4.38  | 0.07 | 6.42  | 2.61 | 0.9  | 0.12 | 0.003 | <5  | 15  | 9.1  | 1.43  | 3.29  | 99.71  |
| JBFMR038           | 70.74 | 15.48 | 1.92  | 0.7   | 1     | 0.05 | 5.68  | 0.65 | 0.15 | 0.04 | <.001 | <5  | 4   | 3.4  | 0.3   | 0.62  | 99.82  |
| JBFMR040           | 35.36 | 10.72 | 3.35  | 7.75  | 13.11 | 0.55 | 7.37  | 0.29 | 0.07 | 0.19 | <.001 | <5  | 1   | 21   | 5.51  | 0.44  | 99.76  |
| JBFMR041           | 58.26 | 18.91 | 1.97  | 0.76  | 1.71  | 0.52 | 12.86 | 0.57 | 0.14 | 0.09 | <.001 | <5  | 2   | 3.7  | 0.71  | 0.1   | 99.49  |
| JBFMR047           | 60.62 | 19.64 | 2.39  | 1.32  | 1.63  | 1.65 | 7.83  | 0.32 | 0.07 | 0.03 | <.001 | <5  | 1   | 4.3  | 0.45  | 0.35  | 99.8   |
| JBFMR049           | 58.82 | 20.93 | 2.29  | 0.79  | 1.95  | 2.44 | 7.69  | 0.69 | 0.18 | 0.03 | 0.003 | <5  | 5   | 3.9  | 0.44  | 0.26  | 99.72  |
| JBFMR052           | 46.38 | 19.65 | 8.68  | 2.55  | 5.89  | 1.68 | 4.42  | 2.03 | 0.52 | 0.09 | 0.006 | 19  | 18  | 7.8  | 1.2   | 0.08  | 99.7   |
| JBFMR053           | 64.26 | 17.13 | 4.89  | 1.1   | 0.06  | 0.06 | 7.8   | 0.36 | 0.08 | 0.08 | <.001 | <5  | 2   | 3.7  | 0.02  | 0.55  | 99.52  |
| JBFMR054           | 52.83 | 16.97 | 4.29  | 2.44  | 6.19  | 0.04 | 6.49  | 0.51 | 0.11 | 0.18 | <.001 | 6   | 3   | 9.7  | 2.03  | 0.18  | 99.75  |
| JBFMR055           | 58.66 | 23.01 | 1.23  | 0.37  | 0.04  | 0.11 | 12.87 | 0.58 | 0.09 | <.01 | <.001 | <5  | 1   | 2.8  | 0.02  | 0.07  | 99.77  |
| JBFMR056           | 57.75 | 16.31 | 4.9   | 1.85  | 3.26  | 0.06 | 8.33  | 0.22 | 0.08 | 0.13 | <.001 | <5  | <1  | 6.6  | 1.25  | 1.26  | 99.5   |
| STANDARD SO-18/CSC | 58.04 | 13.82 | 8.4   | 3.24  | 6.29  | 3.63 | 2.13  | 0.69 | 0.82 | 0.41 | 0.563 | 47  | 25  | 1.9  | 3.2   | 4.1   | 99.93  |
| JBFMR057           | 58.98 | 16.42 | 3.42  | 1.34  | 3.03  | 1    | 9.26  | 0.41 | 0.07 | 0.15 | <.001 | <5  | 2   | 5.5  | 1.29  | 0.06  | 99.57  |
| JBMMR040           | 65.49 | 12.83 | 8.81  | 1.02  | 0.73  | 0.14 | 4.7   | 0.66 | 0.07 | 0.05 | <.001 | <5  | <1  | 3.2  | 0.03  | 3.71  | 97.71  |
| JBMMR041           | 75.39 | 2.53  | 14.22 | 0.48  | 1.69  | 0.02 | 0.69  | 0.04 | 0.75 | 0.05 | 0.01  | 9   | 1   | 3.7  | 0.63  | 5.8   | 99.57  |
| JBMMR042           | 62.67 | 13.86 | 8.14  | 1.49  | 2.14  | 0.13 | 7.01  | 0.63 | 0.09 | 0.31 | <.001 | <5  | 3   | 3.2  | 0.39  | 1.06  | 99.67  |
| JBMMR043           | 2.29  | 0.16  | 0.37  | 20.15 | 30.52 | <.01 | 0.07  | <.01 | <.01 | 0.03 | <.001 | <5  | <1  | 46.4 | 12.08 | 0.04  | 100.01 |
| RE JBMMR043        | 2.17  | 0.12  | 0.38  | 20.65 | 30.61 | <.01 | 0.04  | <.01 | 0.01 | 0.03 | <.001 | <5  | <1  | 46   | 12.17 | 0.01  | 100.02 |
| JBMMR044           | 53.46 | 12.55 | 11.83 | 3.17  | 4.33  | 0.24 | 8.37  | 0.56 | 0.07 | 0.08 | <.001 | <5  | 2   | 5.1  | 1.08  | 0.2   | 99.76  |

| ELEMENT            | SiO2  | Al2O3 | Fe2O3 | MgO   | CaO   | Na2O | K2O   | TiO2 | P2O5 | MnO  | Cr2O3 | Ni  | Sc  | LOI  | TOT/C | TOT/S | SUM   |
|--------------------|-------|-------|-------|-------|-------|------|-------|------|------|------|-------|-----|-----|------|-------|-------|-------|
| SAMPLES            | %     | %     | %     | %     | %     | %    | %     | %    | %    | %    | %     | ppm | ppm | %    | %     | %     | %     |
| JBMMR045           | 60.78 | 12.25 | 6.3   | 2.98  | 4.12  | 0.12 | 7.27  | 0.37 | 0.08 | 0.2  | 0.001 | <5  | 2   | 5.4  | 1.2   | 0.18  | 99.87 |
| JBMMR046           | 53.39 | 12.45 | 12.68 | 3.52  | 5.18  | 0.04 | 5.85  | 0.55 | 0.09 | 0.19 | 0.004 | <5  | 2   | 5.5  | 0.93  | 0.24  | 99.44 |
| JBMMR047           | 64.22 | 15.57 | 3.73  | 1.33  | 3.49  | 0.11 | 7.02  | 0.52 | 0.12 | 0.06 | 0.002 | <5  | 2   | 3.3  | 0.27  | 1.44  | 99.47 |
| CAFMR001           | 48.01 | 15.72 | 8.65  | 3.19  | 5.86  | 4.4  | 2.01  | 1.7  | 0.38 | 0.16 | 0.009 | 13  | 12  | 9.7  | 2.27  | 0.04  | 99.78 |
| CAFMR002           | 44.15 | 13.94 | 13.48 | 4.84  | 6.44  | 4.82 | 0.08  | 3.42 | 0.78 | 0.16 | 0.006 | 14  | 22  | 7.8  | 1.67  | 0.18  | 99.92 |
| CAFMR003           | 57.96 | 16.75 | 6     | 0.76  | 1.96  | 3.62 | 7.97  | 0.45 | 0.09 | 0.13 | <.001 | 9   | 2   | 4.1  | 0.78  | 0.03  | 99.79 |
| CAFMR009           | 43.42 | 13.8  | 8.61  | 5.64  | 10.46 | 3.72 | 0.9   | 1.74 | 0.35 | 0.12 | 0.033 | 84  | 24  | 11.1 | 2.28  | 0.01  | 99.9  |
| CAFMR012           | 42.03 | 13.05 | 12.59 | 5.15  | 7.75  | 4.17 | 0.1   | 3.87 | 1.09 | 0.22 | 0.004 | 21  | 18  | 9.9  | 2.22  | 0.15  | 99.92 |
| CAFMR014           | 48.47 | 14.31 | 7.9   | 9.51  | 6.7   | 1.91 | 3.34  | 1.03 | 0.49 | 0.17 | 0.057 | 126 | 22  | 5.8  | 0.67  | 0.13  | 99.71 |
| CAFMR015           | 47.29 | 13.64 | 8.36  | 10.08 | 7.48  | 1.31 | 3.39  | 0.99 | 0.46 | 0.25 | 0.081 | 175 | 24  | 6.4  | 0.81  | 0.36  | 99.76 |
| TMFMR001           | 61.39 | 16.46 | 5.21  | 1.2   | 1.16  | 0.11 | 9.33  | 0.29 | 0.07 | 0.09 | <.001 | 11  | 2   | 3.9  | 0.44  | 1.26  | 99.21 |
| TMFMR003           | 58.6  | 15.89 | 7.03  | 0.56  | 0.95  | 0.15 | 12.62 | 0.51 | 0.05 | 0.21 | 0.007 | 7   | 2   | 3.2  | 0.25  | 0.05  | 99.78 |
| TMMMR002           | 36.17 | 12.5  | 10.03 | 4.97  | 11.61 | 0.69 | 5.17  | 0.7  | 0.1  | 2.57 | 0.013 | 6   | 5   | 9.8  | 2.85  | 1.42  | 94.33 |
| TMMMR006           | 63.07 | 13.2  | 8.92  | 1.14  | 1.38  | 3.47 | 6.09  | 0.59 | 0.08 | 0.33 | 0.005 | <5  | 2   | 1.2  | 0.21  | 0.14  | 99.47 |
| TMMMR007           | 60.88 | 13.09 | 8.86  | 1.29  | 2.14  | 3.36 | 6.44  | 0.58 | 0.06 | 0.31 | 0.002 | <5  | 2   | 2.7  | 0.58  | 0.03  | 99.72 |
| TMMMR008           | 59.94 | 18.46 | 5.16  | 1.38  | 0.91  | 0.21 | 10.99 | 0.25 | 0.06 | 0.12 | 0.001 | <5  | 1   | 2.1  | 0.22  | <.01  | 99.58 |
| STANDARD SO-18/CSC | 58.48 | 13.8  | 7.53  | 3.39  | 6.34  | 3.74 | 2.15  | 0.7  | 0.86 | 0.41 | 0.56  | 45  | 24  | 1.9  | 3.22  | 4.21  | 99.87 |

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT

To Bootleg Exploration Inc. PROJECT Pelly

Acme file # A703569 Received: JUN 6 2007 \* 27 samples in this disk file.

Analysis: GROUP 4B - REE - 0.200 GM BY LiBO2/Li2B4O7 FUSION, ICP/MS FINISHED.

| ELEMENT        | Ba     | Be  | Co   | Cs   | Ga   | Hf   | Nb    | Rb    | Sn  | Sr    | Ta   | Th   | U    | V   | W    | Zr     | Y     | La    | Ce    | Pr    | Nd    | Sm    | Eu   | Gd    | Tb   | Dy    | Ho   | Er    | Tm   | Yb    | Lu   |
|----------------|--------|-----|------|------|------|------|-------|-------|-----|-------|------|------|------|-----|------|--------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|
| SAMPLES        | ppm    | ppm | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm    | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm   | ppm  | ppm   | ppm  | ppm   | ppm  | ppm   | ppm  |
| ERJBRW 001     | 1263.3 | 1   | 37.3 | 10.6 | 18.9 | 3.7  | 41.5  | 53.1  | 2   | 253   | 2.5  | 3.8  | 1    | 256 | 0.7  | 144    | 25.8  | 27.3  | 55    | 6.91  | 28.5  | 5.82  | 1.83 | 5.14  | 0.88 | 4.49  | 0.83 | 2.39  | 0.33 | 2.05  | 0.3  |
| ERJBRW 002     | 944.7  | 3   | 32.9 | 2.8  | 20.3 | 7.1  | 68.5  | 71.8  | 3   | 310.5 | 3.9  | 14.4 | 3.5  | 192 | 0.7  | 277    | 30.4  | 46.4  | 88.4  | 9.69  | 36.1  | 6.78  | 1.15 | 5.33  | 0.94 | 4.9   | 0.95 | 2.85  | 0.48 | 2.86  | 0.45 |
| ERJBRW 003     | 1059.5 | 2   | 0.6  | 1.8  | 11.8 | 4.2  | 61.6  | 80.3  | 5   | 8.1   | 2.5  | 8.7  | 6.6  | 259 | 7.3  | 188.3  | 13.9  | 52.7  | 97    | 12.11 | 44.6  | 4.9   | 1.53 | 2.28  | 0.43 | 2.24  | 0.41 | 1.31  | 0.24 | 1.61  | 0.24 |
| ERJBRW 004     | 1774.9 | 2   | 32.2 | 3.8  | 15.8 | 4.3  | 24.3  | 86.2  | 3   | 518   | 1.1  | 21.1 | 6.2  | 191 | 3.3  | 154.3  | 22.7  | 43.7  | 88.6  | 11.06 | 42.9  | 7.75  | 1.8  | 5.09  | 0.82 | 3.82  | 0.73 | 2.12  | 0.32 | 2.01  | 0.32 |
| ERJBRW 005     | 4736.8 | 5   | 8.6  | 4.7  | 23.8 | 8.7  | 163   | 111.7 | 4   | 54.2  | 8.7  | 23.8 | 6.4  | 49  | 2.9  | 421.2  | 39.1  | 77.6  | 143.8 | 15.45 | 53.2  | 9.11  | 1.49 | 6.85  | 1.29 | 6.32  | 1.23 | 3.62  | 0.55 | 3.42  | 0.55 |
| ERJBRW 006     | 3677.4 | 4   | 7.6  | 8.6  | 23.6 | 8.8  | 198.1 | 146.3 | 3   | 37.3  | 10.1 | 20.4 | 4.6  | 48  | 2.3  | 404    | 35.9  | 88.6  | 159.8 | 17.23 | 56.6  | 9.37  | 1.67 | 6.33  | 1.16 | 6.08  | 1.12 | 3.59  | 0.58 | 3.51  | 0.56 |
| ERJBRW 007     | 1620.3 | 4   | 22.1 | 6.7  | 21.6 | 5.8  | 71    | 107.8 | 2   | 123.7 | 4    | 7.5  | 1.9  | 181 | 1.7  | 227.6  | 35.5  | 60.3  | 114   | 12.93 | 48.6  | 8.86  | 2.73 | 6.84  | 1.2  | 5.97  | 1.11 | 3.27  | 0.5  | 2.9   | 0.44 |
| ERJBRW 008     | 1442.4 | 3   | 17.5 | 5.3  | 24.5 | 8.2  | 91.7  | 106.5 | 3   | 196.8 | 5.1  | 13.2 | 3.1  | 151 | 1.6  | 391.5  | 33    | 40.7  | 77.4  | 8.72  | 32.5  | 6.44  | 1.45 | 5.41  | 1.02 | 5.41  | 0.98 | 3.09  | 0.49 | 3.02  | 0.44 |
| MMJBRW 002     | 1179.4 | 2   | 0.9  | 2.1  | 33.1 | 17.5 | 200   | 120.4 | 10  | 33.8  | 11   | 23.9 | 7    | 6   | 2    | 711.7  | 68.6  | 118.5 | 225.9 | 25.25 | 86.3  | 15.35 | 1.39 | 11.85 | 2.33 | 11.65 | 2.24 | 6.65  | 1.03 | 5.87  | 0.92 |
| MMJBRW 005     | 2452.5 | 4   | 1.8  | 3.9  | 18.3 | 4.9  | 19.2  | 145.3 | 4   | 21.1  | 1    | 12.7 | 3.8  | 312 | 4    | 179.2  | 23.2  | 30.3  | 58.2  | 7.39  | 27.7  | 5.06  | 0.55 | 3.95  | 0.73 | 3.59  | 0.68 | 1.96  | 0.32 | 1.93  | 0.31 |
| MMJBRW 006     | 9842.9 | 1   | <.5  | 1.6  | 20.1 | 12   | 118.7 | 140.6 | 3   | 56.3  | 6.9  | 17.8 | 4.4  | <5  | 6    | 475.4  | 38.4  | 16.7  | 28.8  | 3.17  | 11.4  | 2.15  | 0.09 | 2.43  | 0.79 | 5.65  | 1.27 | 4.04  | 0.65 | 3.87  | 0.64 |
| MMJBRW 007     | 2006.2 | 7   | <.5  | 4.7  | 32.1 | 38   | 394.8 | 98.5  | 14  | 57.6  | 22.1 | 61.6 | 18.6 | 6   | 2.5  | 1621.8 | 149.5 | 289   | 550.5 | 63.37 | 224.2 | 37.59 | 3.45 | 28.77 | 5.35 | 25.74 | 4.86 | 13.8  | 2.14 | 12.61 | 1.83 |
| MMJBRW 008     | 6262.2 | 4   | 5.9  | 1.7  | 16.6 | 3.9  | 14    | 100.1 | 3   | 58.5  | 1    | 9.4  | 3.9  | 357 | 2.7  | 140.1  | 20.3  | 28.1  | 52.7  | 6.75  | 24.2  | 4.64  | 0.37 | 3.51  | 0.62 | 3.14  | 0.56 | 1.85  | 0.26 | 1.73  | 0.3  |
| MMJBRW 009     | 5541.9 | 4   | 0.6  | 5.2  | 37.7 | 16.8 | 198.6 | 116.1 | 9   | 19.5  | 11.1 | 21.7 | 6.7  | <5  | 2.9  | 712.3  | 54.2  | 77.4  | 147.6 | 16.53 | 59.1  | 10    | 0.56 | 7.46  | 1.49 | 8.5   | 1.77 | 5.84  | 0.89 | 5.59  | 0.87 |
| MMJBRW 010     | 1492.3 | 19  | 9.2  | 10   | 39.1 | 36.8 | 430.6 | 162.9 | 14  | 132.7 | 22   | 48.5 | 10.4 | 26  | 2.7  | 1563.4 | 144.4 | 214.2 | 418.2 | 46.07 | 155.7 | 27.37 | 2.51 | 22.2  | 4.47 | 23.46 | 4.63 | 13.94 | 2.16 | 13.08 | 1.92 |
| MMJBRW 011     | 4547   | 3   | 1.1  | 5    | 20.2 | 4.8  | 20    | 155.2 | 3   | 28.4  | 1.4  | 12.8 | 5.3  | 403 | 3.5  | 189.3  | 16.2  | 28.4  | 54    | 6.49  | 23.5  | 4.14  | 0.42 | 2.86  | 0.53 | 2.71  | 0.53 | 1.67  | 0.27 | 1.81  | 0.29 |
| ICJBRW 001     | 1467.3 | 6   | 2.6  | 2.7  | 28.9 | 17.1 | 155.3 | 188.3 | 8   | 31    | 9.4  | 38.7 | 8.2  | <5  | 5.5  | 707.1  | 51    | 76.3  | 142.8 | 14.85 | 49.4  | 8.12  | 0.93 | 6.46  | 1.32 | 7.61  | 1.61 | 5.29  | 0.87 | 5.38  | 0.87 |
| ICJBRW 002     | 1198.5 | 5   | 1.6  | 2.9  | 28.1 | 16.3 | 153.5 | 166.8 | 9   | 62.6  | 9.1  | 41.9 | 7.7  | <5  | 4.4  | 702.7  | 54.6  | 106.2 | 187.5 | 20.1  | 67.7  | 10.89 | 1.23 | 8.24  | 1.62 | 8.6   | 1.79 | 5.55  | 0.92 | 5.6   | 0.9  |
| ICJBRW 003     | 253.9  | 1   | 1.3  | 0.1  | 22.2 | 16.3 | 191.6 | 11.1  | 3   | 141.1 | 10.5 | 23   | 6    | 11  | 2    | 692.9  | 54.2  | 122.1 | 225.7 | 25.59 | 89.1  | 14.26 | 1.33 | 10.25 | 1.75 | 9.05  | 1.8  | 5.74  | 0.95 | 5.76  | 0.87 |
| CAS06-085      | 891.9  | 10  | <.5  | 2.3  | 22.5 | 33.2 | 342.4 | 66.3  | 17  | 203.1 | 18.9 | 53.5 | 14.5 | <5  | 3.8  | 1535.9 | 174.1 | 213.9 | 416.4 | 47.08 | 165.2 | 31.1  | 3.24 | 31.01 | 6.02 | 28.89 | 5.54 | 15.43 | 2.3  | 13.93 | 2.07 |
| CAS06-120      | 549.2  | 5   | <.5  | 5.6  | 36   | 24.9 | 244.4 | 178.1 | 8   | 29    | 13.8 | 38.8 | 9.7  | <5  | 2.4  | 1011.4 | 91.9  | 156.4 | 302.8 | 35.3  | 128.3 | 22.15 | 2    | 17.45 | 3.18 | 15.88 | 3.08 | 8.89  | 1.35 | 8.2   | 1.26 |
| CAS06-138      | 1383.9 | 7   | <.5  | 1.6  | 27.2 | 40   | 388.1 | 65.7  | 23  | 54.3  | 21.6 | 63   | 17.5 | <5  | 4.8  | 1728.7 | 176.4 | 242.5 | 473.7 | 54.07 | 188.4 | 33.97 | 3.34 | 30.02 | 5.85 | 29.06 | 5.56 | 15.35 | 2.25 | 13.5  | 1.92 |
| CAS06-140      | 1482.2 | 9   | <.5  | 3.3  | 37.6 | 48.9 | 482.9 | 81.9  | 20  | 37.2  | 26.7 | 78.7 | 21.6 | <5  | 3.7  | 2038.9 | 185.4 | 322   | 638.1 | 72.03 | 254.4 | 42.38 | 4.25 | 35.03 | 6.57 | 32.48 | 6.26 | 17.84 | 2.62 | 15.86 | 2.25 |
| CA-149         | 759.2  | 7   | 0.5  | 6.3  | 38.7 | 24.4 | 232   | 127.2 | 9   | 100.6 | 12.5 | 35.5 | 8.9  | <5  | 3.4  | 976.9  | 95.1  | 151   | 289   | 33.49 | 120   | 20.96 | 2    | 16.81 | 3.15 | 16.18 | 3.16 | 9.02  | 1.37 | 8.24  | 1.23 |
| CA-126         | 1946.8 | 8   | <.5  | 7.1  | 44   | 56.5 | 540.4 | 110.1 | 23  | 53.7  | 32   | 91.2 | 26.2 | <5  | 3.5  | 2338.3 | 219   | 329.9 | 653.5 | 73.83 | 262   | 44.69 | 4.37 | 38.26 | 7.53 | 37.48 | 7.39 | 20.41 | 2.98 | 18.3  | 2.6  |
| CA-132         | 1296.1 | 5   | 1.8  | 3.3  | 27.4 | 16.5 | 150.1 | 213.1 | 9   | 46.5  | 9.6  | 40   | 8.8  | <5  | 3.6  | 682.1  | 52.4  | 104.9 | 188.7 | 20.69 | 66.4  | 11.11 | 1.33 | 8.65  | 1.57 | 8.6   | 1.71 | 5.22  | 0.82 | 5.54  | 0.87 |
| RE CA-132      | 1291.3 | 5   | 2.1  | 3.3  | 28   | 16.4 | 150.7 | 211.7 | 8   | 48.4  | 9.7  | 41.6 | 8.6  | <5  | 3.9  | 688.1  | 52.6  | 106.9 | 190.1 | 20.76 | 66.7  | 11.05 | 1.3  | 8.54  | 1.57 | 8.51  | 1.75 | 5.47  | 0.86 | 5.63  | 0.86 |
| STANDARD SO-18 | 513.1  | 1   | 27.1 | 7.1  | 17.5 | 9.5  | 21.1  | 28.2  | 16  | 419.2 | 7.1  | 10   | 16.4 | 204 | 15.1 | 293.4  | 33    | 12.2  | 27.1  | 3.46  | 14.1  | 3.02  | 0.89 | 2.92  | 0.54 | 2.98  | 0.62 | 1.81  | 0.28 | 1.78  | 0.26 |

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT  
To Bootleg Exploration Inc. PROJECT Pelly

Acme file # A703569 Received: JUN 6 2007 \* 27 samples in this disk file.

Analysis: GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-MS.

| ELEMENT      | Mo   | Cu    | Pb     | Zn   | Ni   | As   | Cd  | Sb   | Bi  | Ag   | Au   | Hg   | Tl  | Se  |
|--------------|------|-------|--------|------|------|------|-----|------|-----|------|------|------|-----|-----|
| SAMPLES      | ppm  | ppm   | ppm    | ppm  | ppm  | ppm  | ppm | ppm  | ppm | ppm  | ppb  | ppm  | ppm | ppm |
| ERJBRW 001   | 0.6  | 74    | 2.7    | 235  | 41.5 | 1.2  | 1   | 0.5  | 0.1 | 0.2  | 5.6  | 0.01 | 0.3 | <.5 |
| ERJBRW 002   | 2.4  | 45.7  | 3      | 190  | 47.1 | 2.2  | 0.8 | 0.3  | <.1 | <.1  | 2.9  | 0.01 | 0.1 | <.5 |
| ERJBRW 003   | 14.1 | 3.1   | 2117.2 | 25   | 0.9  | 37.9 | 0.8 | 19.9 | 0.1 | 11.7 | <.5  | 7.75 | 0.8 | 2.5 |
| ERJBRW 004   | 0.9  | 14.3  | 5      | 86   | 99.4 | 1.7  | 0.1 | 0.3  | 0.1 | <.1  | 2.5  | 0.02 | 0.3 | <.5 |
| ERJBRW 005   | 2.1  | 9.2   | 13.5   | 9    | 12   | 1.9  | 0.1 | 0.3  | 0.1 | 0.1  | 1.9  | 0.05 | 0.1 | <.5 |
| ERJBRW 006   | 1.6  | 4.4   | 20     | 93   | 7.4  | 3.9  | 0.8 | 0.8  | 0.1 | 0.2  | 0.7  | 0.12 | 0.1 | <.5 |
| ERJBRW 007   | 1.9  | 17.1  | 3.2    | 20   | 3.7  | 3.4  | <.1 | 0.1  | <.1 | <.1  | 0.5  | 0.01 | 0.1 | <.5 |
| ERJBRW 008   | 1.3  | 5.7   | 1.2    | 8    | 12.5 | 3.7  | 0.1 | <.1  | <.1 | <.1  | 0.6  | 0.01 | <.1 | <.5 |
| MMJBRW 002   | 1.1  | 3.1   | 7.5    | 107  | 0.8  | 20.2 | 0.2 | 0.4  | 0.1 | 0.3  | 2.5  | 0.01 | 0.4 | <.5 |
| MMJBRW 005   | 2.6  | 10.4  | 4.4    | 62   | 15.9 | 11.2 | 0.3 | 0.7  | 0.1 | <.1  | <.5  | 0.01 | 0.2 | 0.6 |
| MMJBRW 006   | 5.7  | 13.9  | 3210.8 | 435  | 0.7  | 6.5  | 1.1 | 4.5  | 0.2 | 9    | 11.1 | 0.13 | 0.1 | 1.6 |
| MMJBRW 007   | 2.7  | 2.2   | 26.5   | 123  | 5.3  | 4.8  | 0.2 | 0.4  | <.1 | 0.1  | 3.9  | <.01 | 0.6 | 0.5 |
| MMJBRW 008   | 4.6  | 9.4   | 63.1   | 40   | 24.9 | 51.8 | 0.1 | 1.3  | 1.3 | 0.3  | 0.6  | <.01 | 0.1 | 1.7 |
| MMJBRW 009   | 39.7 | 8.9   | 559.8  | 884  | 0.6  | 12.2 | 4.3 | 0.4  | 0.1 | 0.6  | 1    | 0.1  | 0.1 | <.5 |
| MMJBRW 010   | 1.7  | 16.7  | 18.1   | 118  | 29.9 | 0.8  | 0.2 | 0.4  | 0.1 | 0.1  | 4.4  | <.01 | 0.6 | <.5 |
| MMJBRW 011   | 4.9  | 18.9  | 14.7   | 105  | 6.7  | <.5  | 0.6 | 0.6  | 0.1 | 0.2  | <.5  | 0.01 | 0.1 | 2.4 |
| ICJBRW 001   | 1.5  | 1.1   | 2.9    | 79   | 1.1  | 0.5  | 0.2 | 0.2  | 0.1 | <.1  | 2.3  | 0.01 | 0.4 | <.5 |
| ICJBRW 002   | 1.7  | 2.9   | 10.9   | 104  | 0.7  | 0.7  | 0.4 | 0.2  | 0.1 | <.1  | 3.8  | <.01 | 0.3 | <.5 |
| ICJBRW 003   | 5.7  | 49.4  | 6.6    | 7    | 1.4  | 7.9  | <.1 | 1.4  | 0.2 | <.1  | 2    | <.01 | <.1 | 0.5 |
| CAS06-085    | 1.7  | 1.1   | 42.9   | 489  | <.1  | 5.4  | 0.1 | 2.2  | 0.1 | <.1  | 4.3  | <.01 | 1.9 | <.5 |
| CAS06-120    | 7.3  | 6.2   | 6.6    | 219  | 0.8  | 3.2  | 0.1 | 0.7  | 0.1 | <.1  | 2.5  | 0.01 | 1   | <.5 |
| CAS06-138    | 5.7  | 1.1   | 153.5  | 182  | <.1  | 12   | 0.2 | 2.6  | 0.9 | 0.2  | 3.8  | <.01 | 0.5 | <.5 |
| CAS06-140    | 3.6  | 1     | 26.4   | 469  | 0.1  | 11.8 | 0.4 | 0.7  | 0.1 | <.1  | 1.7  | <.01 | 1.6 | <.5 |
| CA-149       | 8.5  | 2.4   | 33.7   | 240  | 0.5  | 2.2  | 0.1 | 0.4  | 0.1 | 0.2  | 3.1  | 0.01 | 4   | <.5 |
| CA-126       | 12   | 4.7   | 46.5   | 1024 | 1.6  | 6.2  | 2.5 | 1.2  | 0.2 | 0.2  | 5.5  | 0.03 | 3.4 | 1.7 |
| CA-132       | 2.8  | 2.9   | 12     | 114  | 0.8  | 0.5  | 0.2 | 0.2  | 0.1 | <.1  | 3.3  | <.01 | 0.5 | <.5 |
| RE CA-132    | 2.9  | 3.1   | 12.7   | 121  | 0.8  | 0.7  | 0.2 | 0.3  | 0.1 | <.1  | 3.7  | <.01 | 0.6 | <.5 |
| STANDARD DS7 | 21   | 106.6 | 56.2   | 413  | 58   | 50.9 | 6.2 | 5.3  | 4.2 | 0.9  | 59.7 | 0.19 | 4.2 | 3.9 |

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT  
 To Bootleg Exploration Inc. PROJECT Pelly

Acme file # A703569 Received: JUN 6 2007 \* 27 samples in this disk file.

Analysis: GROUP 4A - 0.200 GM SAMPLE BY LIBO2/LI2B4O7 FUSION, ANALYSIS BY ICP-ES. (LIBO2/LI2B4O7 FUSION MAY NOT BE SUITABLE FOR MASSIVE SULFIDE OR HIGH

| ELEMENT            | SiO2  | Al2O3 | Fe2O3 | MgO  | CaO  | Na2O | K2O  | TiO2 | P2O5 | MnO  | Cr2O3 | Ni  | Sc  | LOI  | TOT/C | TOT/S | SUM   |
|--------------------|-------|-------|-------|------|------|------|------|------|------|------|-------|-----|-----|------|-------|-------|-------|
| SAMPLES            | %     | %     | %     | %    | %    | %    | %    | %    | %    | %    | %     | ppm | ppm | %    | %     | %     | %     |
| ERJBRW 001         | 45.81 | 15.34 | 11.28 | 7.54 | 6.12 | 3.89 | 1.89 | 2.07 | 0.33 | 0.18 | 0.015 | 49  | 28  | 5.3  | 0.6   | 0.1   | 99.78 |
| ERJBRW 002         | 46.34 | 15.7  | 9.17  | 2.71 | 8.75 | 3.46 | 2.26 | 1.43 | 0.25 | 0.1  | 0.018 | 48  | 23  | 9.5  | 1.98  | 0.02  | 99.7  |
| ERJBRW 003         | 84.61 | 7.44  | 0.87  | 0.34 | 0.07 | 0.05 | 2.42 | 0.45 | 0.02 | <.01 | 0.007 | <5  | 6   | 3.4  | 1     | 0.81  | 99.69 |
| ERJBRW 004         | 48.5  | 15.01 | 7.71  | 8.16 | 8.09 | 1.98 | 2.48 | 0.95 | 0.48 | 0.16 | 0.053 | 117 | 22  | 6    | 0.88  | 0.18  | 99.6  |
| ERJBRW 005         | 64.24 | 17.38 | 3.07  | 1.05 | 1.87 | 2.99 | 4.29 | 0.78 | 0.2  | 0.02 | 0.005 | <5  | 5   | 3.5  | 0.41  | 0.54  | 99.4  |
| ERJBRW 006         | 58.56 | 19.4  | 4.96  | 1.91 | 1.01 | 1.69 | 6.76 | 0.82 | 0.21 | 0.03 | 0.003 | <5  | 4   | 4    | 0.35  | 0.44  | 99.36 |
| ERJBRW 007         | 45.14 | 16.01 | 6.85  | 3.49 | 6.39 | 0.06 | 8.51 | 2.16 | 0.43 | 0.11 | 0.002 | 22  | 13  | 10.5 | 2.45  | 0.1   | 99.66 |
| ERJBRW 008         | 47.82 | 19.29 | 4.11  | 2.76 | 6.18 | 0.14 | 6.4  | 1.81 | 0.4  | 0.11 | 0.035 | 41  | 16  | 10.6 | 2.28  | 0.01  | 99.66 |
| MMJBRW 002         | 65.81 | 12.52 | 8.07  | 2.04 | 1.1  | 0.14 | 4.67 | 0.42 | 0.07 | 0.16 | 0.002 | <5  | 2   | 4.6  | 0.22  | 2.94  | 99.6  |
| MMJBRW 005         | 74.63 | 12.54 | 2.63  | 1.24 | 0.33 | 0.05 | 4.49 | 0.58 | 0.16 | 0.02 | 0.012 | 22  | 12  | 2.9  | 0.93  | 0.04  | 99.58 |
| MMJBRW 006         | 71.28 | 11.18 | 2.58  | 0.27 | 0.03 | 0.16 | 7.25 | 0.45 | 0.07 | 0.01 | 0.002 | <5  | 2   | 5.3  | 0.07  | 0.64  | 98.58 |
| MMJBRW 007         | 72.21 | 7.88  | 8.53  | 1.47 | 2.69 | 0.04 | 2.66 | 0.4  | <.01 | 0.23 | 0.001 | <5  | <1  | 3.2  | 0.51  | 0.24  | 99.32 |
| MMJBRW 008         | 78.53 | 10.63 | 1.57  | 0.99 | 1.36 | 0.11 | 3.51 | 0.48 | 0.22 | 0.02 | 0.014 | 28  | 9   | 1.7  | 0.31  | 0.35  | 99.14 |
| MMJBRW 009         | 73.69 | 11.84 | 4.65  | 0.49 | 0.06 | 0.11 | 3.59 | 0.4  | 0.06 | 0.01 | <.001 | <5  | 2   | 4.1  | 0.03  | 2.37  | 99    |
| MMJBRW 010         | 56.51 | 14.68 | 10.7  | 3.99 | 3.31 | 0.25 | 5.57 | 0.79 | 0.14 | 0.25 | 0.01  | 31  | 5   | 3.2  | 0.46  | 0.41  | 99.4  |
| MMJBRW 011         | 72.52 | 13.49 | 2.52  | 1.08 | 0.28 | 0.08 | 4.58 | 0.62 | 0.24 | 0.02 | 0.013 | 14  | 12  | 3.9  | 1.47  | 0.05  | 99.34 |
| ICJBRW 001         | 63.98 | 17.51 | 5.21  | 0.39 | 0.25 | 5.46 | 5.34 | 0.41 | 0.07 | 0.03 | 0.001 | <5  | 2   | 1.1  | 0.07  | 0.01  | 99.74 |
| ICJBRW 002         | 63.99 | 17.37 | 4.14  | 0.47 | 1    | 6.32 | 4.79 | 0.37 | 0.06 | 0.06 | 0.001 | <5  | 2   | 1.2  | 0.18  | 0.02  | 99.77 |
| ICJBRW 003         | 65.47 | 17.87 | 3.96  | 0.07 | 0.06 | 9.69 | 0.39 | 0.71 | 0.09 | 0.01 | 0.001 | <5  | 3   | 1.4  | 0.06  | 0.13  | 99.73 |
| CAS06-085          | 41.59 | 6.31  | 16.01 | 5.58 | 16.8 | 0.26 | 2.14 | 0.32 | 0.03 | 0.56 | <.001 | <5  | <1  | 9.8  | 2.65  | 0.05  | 99.39 |
| CAS06-120          | 62.56 | 13.4  | 9.95  | 2.69 | 0.82 | 1.58 | 6.58 | 0.58 | 0.06 | 0.14 | <.001 | <5  | 2   | 1.4  | 0.12  | 0.19  | 99.77 |
| CAS06-138          | 46.52 | 7.88  | 25.74 | 5.23 | 9.51 | 0.3  | 2.19 | 0.4  | 0.03 | 0.72 | <.001 | <5  | <1  | 0.8  | 0.25  | 0.02  | 99.32 |
| CAS06-140          | 65.56 | 8.27  | 14.48 | 2.65 | 3.4  | 0.13 | 2.54 | 0.42 | 0.05 | 0.22 | <.001 | <5  | <1  | 1.7  | 0.18  | 0.16  | 99.41 |
| CA-149             | 63.52 | 13.68 | 8.52  | 2.82 | 2.97 | 1.87 | 4.37 | 0.59 | 0.07 | 0.16 | <.001 | <5  | 2   | 1    | 0.1   | 0.2   | 99.57 |
| CA-126             | 67.43 | 9.62  | 10.22 | 2.27 | 1.94 | 0.11 | 3.21 | 0.44 | 0.03 | 0.11 | 0.002 | <5  | <1  | 3.7  | 0.08  | 3.51  | 99.08 |
| CA-132             | 63.3  | 17.24 | 5.37  | 0.71 | 0.48 | 5.18 | 6.09 | 0.37 | 0.06 | 0.06 | 0.002 | <5  | 2   | 0.9  | 0.09  | 0.07  | 99.76 |
| RE CA-132          | 63.01 | 17.27 | 5.26  | 0.72 | 0.48 | 5.27 | 6.07 | 0.36 | 0.05 | 0.06 | 0.002 | <5  | 2   | 1.2  | 0.08  | 0.05  | 99.76 |
| STANDARD SO-18/CSC | 58.17 | 14.16 | 7.63  | 3.34 | 6.38 | 3.69 | 2.15 | 0.69 | 0.83 | 0.39 | 0.551 | 43  | 25  | 1.9  | 3.17  | 4.19  | 99.88 |

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT  
To Bootleg Exploration Inc. PROJECT FM0702

Acme file # A705964R Received: SEP 18 2007 \* 6 samples in this disk file.

Analysis: GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.

| ELEMENT      | Pb   | Zn    |
|--------------|------|-------|
| SAMPLES      | %    | %     |
| JBFMR007     | 0.28 | 2.5   |
| CAMMR003     | 0.61 | 6     |
| CAMMR008     | 1.92 | 13.26 |
| CAMMR012     | 1.04 | 3.63  |
| CAMMR013     | 0.44 | 3.41  |
| STANDARD R-3 | 1.95 | 3.92  |

**Client:** Eagle Plains Resources Ltd.

200 - 16, 11th Ave S.  
Cranbrook BC V1C 2P1 Canada

Submitted By: Jarrod Brown  
Receiving Lab: Acme Analytical Laboratories (Vancouver) Ltd.  
Received: September 12, 2007  
Report Date: November 10, 2007  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

VAN07001441.1

### CLIENT JOB INFORMATION

Project: Fire/Ice/Melt  
Shipment ID:  
P.O. Number  
Number of Samples: 5

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

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

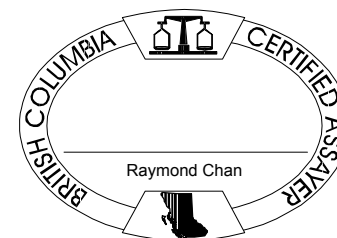
Invoice To: Eagle Plains Resources Ltd.  
200 - 16, 11th Ave S.  
Cranbrook BC V1C 2P1  
Canada

CC: Chuck Downie

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                            | Test Wgt (g) | Report Status |
|-------------|-------------------|---------------------------------------------|--------------|---------------|
| R150        | 5                 | Crush, split and pulverize rock to 150 mesh |              |               |
| 1D          | 5                 | 1:1:1 Aqua Regia digestion ICP-ES analysis  | 0.5          | Completed     |

### ADDITIONAL COMMENTS



**Client:** Eagle Plains Resources Ltd.  
 200 - 16, 11th Ave S.  
 Cranbrook BC V1C 2P1 Canada

**Project:** Fire/Ice/Melt  
**Report Date:** November 10, 2007

**Page:** 2 of 2 **Part** 1

## CERTIFICATE OF ANALYSIS

VAN07001441.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1D  | 1D  | 1D   | 1D     | 1D   | 1D  | 1D  | 1D   | 1D    | 1D  | 1D  | 1D  | 1D  | 1D  | 1D    | 1D  | 1D  | 1D  | 1D    |
|----------|----------------------------------|-----|-----|------|--------|------|-----|-----|------|-------|-----|-----|-----|-----|-----|-------|-----|-----|-----|-------|
|          |                                  | Mo  | Cu  | Pb   | Zn     | Ag   | Ni  | Co  | Mn   | Fe    | As  | U   | Au  | Th  | Sr  | Cd    | Sb  | Bi  | V   | Ca    |
|          |                                  | ppm | ppm | ppm  | ppm    | ppm  | ppm | ppm | ppm  | %     | ppm | ppm | ppm | ppm | ppm | ppm   | ppm | ppm | ppm | %     |
|          |                                  | 1   | 2   | 3    | 1      | 0.3  | 1   | 1   | 2    | 0.01  | 2   | 8   | 2   | 2   | 1   | 0.5   | 3   | 3   | 1   | 0.01  |
| CAMMR015 | Rock                             | 6   | <2  | 54   | 64     | <0.3 | <1  | <1  | 3037 | 6.90  | <2  | <8  | <2  | 12  | 3   | <0.5  | <3  | <3  | 2   | 0.01  |
| CAMMR016 | Rock                             | 9   | <2  | 49   | 16     | <0.3 | <1  | <1  | 87   | 2.72  | 2   | <8  | <2  | 16  | 3   | <0.5  | <3  | <3  | 1   | <0.01 |
| CAMMR017 | Rock                             | 29  | 305 | 8011 | >10000 | 5.4  | 5   | <1  | 2542 | 16.54 | 44  | <8  | <2  | 63  | 5   | 130.9 | <3  | <3  | 5   | 0.03  |
| CAMMR018 | Rock                             | 20  | 85  | 202  | 273    | 0.8  | 1   | <1  | 566  | 6.75  | 5   | 21  | <2  | 49  | 5   | 1.5   | <3  | <3  | 1   | 0.16  |
| CAMMR019 | Rock                             | 7   | 47  | 2954 | 8225   | 56.8 | 3   | <1  | 245  | 1.63  | 16  | <8  | <2  | <2  | 176 | 26.1  | 78  | <3  | 4   | 0.35  |

**Client:** **Eagle Plains Resources Ltd.**

200 - 16, 11th Ave S.  
 Cranbrook BC V1C 2P1 Canada

**Project:** Fire/Ice/Melt

**Report Date:** November 10, 2007

**Page:** 2 of 2 **Part** 2

## CERTIFICATE OF ANALYSIS

VAN07001441.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1D  | 1D  | 1D   | 1D  | 1D    | 1D  | 1D   | 1D    | 1D    | 1D  |
|----------|----------------------------------|-----|-----|------|-----|-------|-----|------|-------|-------|-----|
|          |                                  | La  | Cr  | Mg   | Ba  | Ti    | B   | Al   | Na    | K     | W   |
|          |                                  | ppm | ppm | %    | ppm | %     | ppm | %    | %     | %     | ppm |
|          |                                  | 1   | 1   | 0.01 | 1   | 0.01  | 20  | 0.01 | 0.01  | 0.01  | 2   |
| CAMMR015 | Rock                             | 65  | 3   | 0.28 | 96  | 0.09  | <20 | 1.06 | 0.01  | 0.61  | <2  |
| CAMMR016 | Rock                             | 75  | 1   | 0.10 | 112 | 0.02  | <20 | 0.41 | 0.01  | 0.34  | <2  |
| CAMMR017 | Rock                             | 392 | 1   | 2.56 | 32  | 0.16  | <20 | 4.64 | <0.01 | 1.20  | <2  |
| CAMMR018 | Rock                             | 296 | 3   | 0.38 | 30  | 0.02  | <20 | 0.66 | <0.01 | 0.44  | <2  |
| CAMMR019 | Rock                             | 4   | <1  | 0.17 | 48  | <0.01 | <20 | 0.06 | <0.01 | <0.01 | <2  |

## QUALITY CONTROL REPORT

VAN07001441.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1D    | 1D  | 1D   | 1D  | 1D   | 1D  | 1D  | 1D  | 1D    | 1D   | 1D  | 1D   | 1D  | 1D   | 1D   | 1D   | 1D   | 1D  | 1D    | 1D     |
|---------------------|----------------------------------|-------|-----|------|-----|------|-----|-----|-----|-------|------|-----|------|-----|------|------|------|------|-----|-------|--------|
|                     |                                  | Mo    | Cu  | Pb   | Zn  | Ag   | Ni  | Co  | Mn  | Fe    | As   | U   | Au   | Th  | Sr   | Cd   | Sb   | Bi   | V   | Ca    | P      |
|                     |                                  | ppm   | ppm | ppm  | ppm | ppm  | ppm | ppm | ppm | %     | ppm  | ppm | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm | %     | %      |
|                     |                                  | 1     | 2   | 3    | 1   | 0.3  | 1   | 1   | 2   | 0.01  | 2    | 8   | 2    | 2   | 1    | 0.5  | 3    | 3    | 1   | 0.01  | 0.001  |
| Reference Materials |                                  |       |     |      |     |      |     |     |     |       |      |     |      |     |      |      |      |      |     |       |        |
| STD DS7             | Standard                         | 19    | 97  | 66   | 374 | 1.0  | 50  | 8   | 598 | 2.29  | 46   | <8  | <2   | 4   | 69   | 5.5  | 4    | <3   | 80  | 0.92  | 0.069  |
| STD DS7             | Standard                         | 19    | 103 | 67   | 386 | 1.0  | 51  | 9   | 591 | 2.34  | 52   | <8  | <2   | 5   | 70   | 5.6  | 5    | 4    | 81  | 0.92  | 0.071  |
| STD DS7 Expected    |                                  | 20.92 | 109 | 70.6 | 411 | 0.89 | 56  | 9.7 | 627 | 2.39  | 48.2 | 4.9 | 0.07 | 4.4 | 68.7 | 6.38 | 5.86 | 4.51 | 86  | 0.93  | 0.08   |
| BLK                 | Blank                            | <1    | <2  | <3   | <1  | <0.3 | <1  | <1  | <2  | <0.01 | <2   | <8  | <2   | <2  | <1   | <0.5 | <3   | <3   | <1  | <0.01 | <0.001 |
| Prep Wash           |                                  |       |     |      |     |      |     |     |     |       |      |     |      |     |      |      |      |      |     |       |        |
| G1                  | Prep Blank                       | <1    | 3   | 237  | 43  | 1.0  | 4   | 4   | 507 | 1.71  | <2   | <8  | <2   | 3   | 48   | <0.5 | <3   | 4    | 31  | 0.42  | 0.063  |
| G1                  | Prep Blank                       | <1    | 2   | 96   | 48  | 0.3  | 4   | 4   | 566 | 1.96  | <2   | <8  | <2   | 4   | 47   | <0.5 | <3   | <3   | 35  | 0.44  | 0.070  |

Client: **Eagle Plains Resources Ltd.**

200 - 16, 11th Ave S.  
 Cranbrook BC V1C 2P1 Canada

Project: Fire/Ice/Melt

Report Date: November 10, 2007

Page: 1 of 1 Part 2

## QUALITY CONTROL REPORT

VAN07001441.1

| Method              |            | 1D   | 1D  | 1D    | 1D    | 1D    | 1D   | 1D    | 1D    | 1D    |
|---------------------|------------|------|-----|-------|-------|-------|------|-------|-------|-------|
| Analyte             |            | La   | Cr  | Mg    | Ba    | Ti    | B    | Al    | Na    | K     |
| Unit                |            | ppm  | ppm | %     | ppm   | %     | ppm  | %     | %     | %     |
| MDL                 |            | 1    | 1   | 0.01  | 1     | 0.01  | 20   | 0.01  | 0.01  | 0.01  |
| Reference Materials |            |      |     |       |       |       |      |       |       |       |
| STD DS7             | Standard   | 11   | 164 | 1.00  | 372   | 0.11  | 33   | 0.98  | 0.09  | 0.43  |
| STD DS7             | Standard   | 12   | 164 | 1.02  | 381   | 0.11  | 35   | 0.97  | 0.09  | 0.44  |
| STD DS7 Expected    |            | 12.7 | 163 | 1.05  | 370.3 | 0.124 | 38.6 | 0.959 | 0.073 | 0.44  |
| BLK                 | Blank      | <1   | <1  | <0.01 | <1    | <0.01 | <20  | <0.01 | <0.01 | <0.01 |
| Prep Wash           |            |      |     |       |       |       |      |       |       |       |
| G1                  | Prep Blank | 6    | 6   | 0.55  | 206   | 0.11  | <20  | 0.94  | 0.06  | 0.47  |
| G1                  | Prep Blank | 6    | 8   | 0.63  | 241   | 0.13  | <20  | 1.01  | 0.06  | 0.54  |

**BOOTLEG/PELLEY MTN.-X07**

Ref/I.D.:

SmpI Series; CAMMR015 - CAFMR018

Report Date: 08 FEB 2008

GDL Job No: V07-1381R

**teckcominco**

Global Discovery Labs

| LAB NO | FIELD NUMBER | S_Type | A_Num | Ba(P)<br>ppm |
|--------|--------------|--------|-------|--------------|
|--------|--------------|--------|-------|--------------|

|              |             |   |           |        |
|--------------|-------------|---|-----------|--------|
| R0783704     | CAMMR015    |   | V07-1381R | 1139   |
| R0783705     | CAMMR016    |   | V07-1381R | 2110   |
| R0783706     | CAMMR017    |   | V07-1381R | 6528   |
| R0783707     | CAMMR018    |   | V07-1381R | 6136   |
| R0783708     | CAMMR019    |   | V07-1381R | 511530 |
| R0783709     | JBfMR007    |   | V07-1381R | 31696  |
| R0783710     | JBfMR015    |   | V07-1381R | 4039   |
| R0783711     | JBfMR018    |   | V07-1381R | 1843   |
| R0783712     | JBfMR026    |   | V07-1381R | 1095   |
| R0783713     | JBfMR027    |   | V07-1381R | 741    |
| R0783714     | JBfMR034    |   | V07-1381R | 1605   |
| R0783715     | JBfMR037    |   | V07-1381R | 646    |
| R0783716     | JBfMR039    |   | V07-1381R | 1741   |
| R0783717     | JBfMR042    |   | V07-1381R | 2243   |
| R0783718     | JBfMR043    |   | V07-1381R | 513    |
| R0783718 rpt |             | D | V07-1381R | 490    |
| R0783719     | JBfMR044    |   | V07-1381R | 362    |
| R0783720     | JBfMR045    |   | V07-1381R | 691    |
| R0783721     | JBfMR046    |   | V07-1381R | 3541   |
| R0783722     | JBfMR048    |   | V07-1381R | 104859 |
| R0783723     | JBfMR050    |   | V07-1381R | 2913   |
| R0783724     | JBfMR051    |   | V07-1381R | 685    |
| R0783725     | JBfMR058    |   | V07-1381R | 636    |
| R0783726     | JBfMR059    |   | V07-1381R | 1437   |
| R0783727     | CAFMR004    |   | V07-1381R | 10     |
| R0783728     | CAFMR005    |   | V07-1381R | 135    |
| R0783729     | RE CAFMR006 | D | V07-1381R | 154    |
| R0783730     | CAFMR007    |   | V07-1381R | 31     |
| R0783731     | CAFMR008    |   | V07-1381R | 191    |
| R0783732     | CAFMR010    |   | V07-1381R | 1165   |
| R0783733     | CAFMR011    |   | V07-1381R | 1558   |
| R0783734     | CAFMR013    |   | V07-1381R | 1619   |
| R0783734 rpt |             | D | V07-1381R | 1625   |
| R0783735     | CAFMR016    |   | V07-1381R | 1407   |
| R0783736     | CAFMR017    |   | V07-1381R | 10     |

Teck Cominco Ltd.

Global Discovery Labs 1486 East Pender Street Vancouver, B.C. Canada V5L 1V8 Phone: (604) 685-3032 Fax: (604) 844-2686

GDL Job No: V07-1381R

| LAB NO       | FIELD NUMBER | S_Type | A_Num     | Ba(P)<br>ppm |
|--------------|--------------|--------|-----------|--------------|
| R0783737     | TMFMR002     |        | V07-1381R | 962          |
| R0783738     | NTFMR001     |        | V07-1381R | 147          |
| R0783739     | NTFMR002     |        | V07-1381R | 437          |
| R0783740     | NTFMR003     |        | V07-1381R | 481          |
| R0783741     | NTFMR004     |        | V07-1381R | 252          |
| R0783742     | NTFMR005     |        | V07-1381R | 416          |
| R0783743     | NTFMR006     |        | V07-1381R | 9477         |
| R0783744     | NTFMR007     |        | V07-1381R | 6625         |
| R0783745     | NTFMR008     |        | V07-1381R | 7197         |
| R0783746     | NTFMR009     |        | V07-1381R | 18612        |
| R0783747     | NTFMR010     |        | V07-1381R | 14465        |
| R0783748     | NTFMR011     |        | V07-1381R | 5710         |
| R0783749     | NTFMR012     |        | V07-1381R | 5636         |
| R0783750     | NTFMR013     |        | V07-1381R | 15986        |
| R0783751     | NTFMR014     |        | V07-1381R | 23603        |
| R0783752     | NTFMR015     |        | V07-1381R | 26289        |
| R0783753     | NTFMR016     |        | V07-1381R | 7366         |
| R0783754     | NTFMR017     |        | V07-1381R | 510084       |
| R0783755     | NTFMR018     |        | V07-1381R | 396326       |
| R0783756     | NTFMR019     |        | V07-1381R | 7532         |
| R0783757     | NTFMR020     |        | V07-1381R | 6725         |
| R0783758     | NTFMR021     |        | V07-1381R | 38832        |
| R0783759     | CAMMR001     |        | V07-1381R | 13195        |
| R0783760     | CAMMR002     |        | V07-1381R | 1587         |
| R0783761     | CAMMR003     |        | V07-1381R | 4184         |
| R0783762     | CAMMR004     |        | V07-1381R | 2468         |
| R0783763     | CAMMR005     |        | V07-1381R | 2779         |
| R0783764     | CAMMR006     |        | V07-1381R | 5254         |
| R0783765     | CAMMR007     |        | V07-1381R | 38743        |
| R0783766     | CAMMR008     |        | V07-1381R | 4264         |
| R0783767     | CAMMR009     |        | V07-1381R | 4725         |
| R0783768     | CAMMR010     |        | V07-1381R | 516700       |
| R0783769     | CAMMR011     |        | V07-1381R | 6718         |
| R0783770     | CAMMR012     |        | V07-1381R | 4363         |
| R0783770 rpt |              | D      | V07-1381R | 4246         |
| R0783771     | CAMMR013     |        | V07-1381R | 2861         |
| R0783772     | CAMMR014     |        | V07-1381R | 2456         |
| R0783773     | TMMMR001     |        | V07-1381R | 17265        |
| R0783774     | TMMMR003     |        | V07-1381R | 3160         |
| R0783775     | TMMMR004     |        | V07-1381R | 668          |

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GDL Job No: V07-1381R

| LAB NO   | FIELD NUMBER | S_Type | A_Num     | Ba(P)<br>ppm |
|----------|--------------|--------|-----------|--------------|
| R0783776 | TMMMR005     |        | V07-1381R | 1965         |
| R0783777 | NTFMR022     |        | V07-1381R | 1649         |
| R0783778 | NTFMR023     |        | V07-1381R | 1090         |
| R0783779 | NTFMR024     |        | V07-1381R | 1303         |
| R0783780 | CAFMR018     |        | V07-1381R | 1850         |
| R0783781 | CAFMR019     |        | V07-1381R | 2222         |

I=insufficient sample

If requested analyses are not shown, results are to follow

#### ANALYTICAL METHODS

Ba(P) X-Ray fluorescence / pressed pellet

## **3.2 Soil Samples**

To Bootleg Exploration Inc. PROJECT FM0701

Acme file # A705962 Page 1 Received: AUG 13 2007 \* 108 samples in this disk file.

Analysis: GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.

| ELEMENT     | Mo  | Cu  | Pb  | Zn  | Ag  | Ni  | Co  | Mn  | Fe   | As  | U   | Au  | Th  | Sr  | Cd  | Sb  | Bi  | V   | Ca   | P     | La  | Cr  | Mg   | Ba   | Ti   | B   | Al   | Na   | K    | W   |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|------|------|------|-----|------|------|------|-----|
| SAMPLES     | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | %    | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | %    | %     | ppm | ppm | %    | ppm  | %    | ppm | %    | %    | %    | ppm |
| G-1         | 1   | 2   | 4   | 41  | <.3 | 7   | 3   | 486 | 1.8  | <2  | <8  | <2  | 4   | 63  | <.5 | <3  | 4   | 33  | 0.49 | 0.072 | 7   | 94  | 0.53 | 201  | 0.11 | <20 | 0.97 | 0.1  | 0.5  | <2  |
| NTFMD001    | 1   | 4   | 5   | 13  | <.3 | 1   | 1   | 62  | 0.62 | 2   | <8  | <2  | <2  | 8   | <.5 | <3  | <3  | 12  | 0.08 | 0.045 | 13  | 1   | 0.04 | 36   | 0.02 | <20 | 0.65 | 0.03 | 0.03 | <2  |
| NTFMD002    | 16  | 7   | 63  | 174 | <.3 | 5   | 4   | 752 | 3.17 | 7   | <8  | <2  | 2   | 11  | <.5 | <3  | 4   | 14  | 0.1  | 0.05  | 55  | 6   | 0.24 | 290  | 0.02 | <20 | 1.57 | 0.01 | 0.12 | 2   |
| NTFMD003    | 3   | 5   | 16  | 54  | <.3 | 2   | 2   | 193 | 1.58 | 11  | <8  | <2  | <2  | 6   | <.5 | <3  | <3  | 13  | 0.04 | 0.04  | 30  | 3   | 0.1  | 100  | 0.02 | <20 | 0.88 | 0.02 | 0.05 | <2  |
| NTFMD004    | 3   | 6   | 22  | 84  | <.3 | 2   | 2   | 235 | 2.04 | 13  | <8  | <2  | <2  | 6   | <.5 | <3  | <3  | 12  | 0.04 | 0.036 | 23  | 3   | 0.11 | 82   | 0.02 | <20 | 0.87 | 0.02 | 0.07 | <2  |
| NTFMD005    | 4   | 10  | 44  | 156 | <.3 | 7   | 4   | 490 | 2.92 | 18  | <8  | <2  | 2   | 9   | <.5 | <3  | <3  | 16  | 0.06 | 0.042 | 73  | 6   | 0.13 | 254  | 0.01 | <20 | 1.07 | 0.01 | 0.08 | <2  |
| NTFMD006    | 7   | 8   | 57  | 237 | <.3 | 6   | 4   | 870 | 3.81 | 22  | <8  | <2  | 8   | 20  | <.5 | <3  | 3   | 16  | 0.11 | 0.039 | 89  | 5   | 0.13 | 396  | 0.02 | <20 | 1.3  | 0.01 | 0.1  | <2  |
| NTFMD007    | 18  | 11  | 51  | 265 | <.3 | 5   | 3   | 136 | 4.34 | 47  | <8  | <2  | 10  | 10  | <.5 | <3  | <3  | 6   | 0.01 | 0.046 | 43  | 3   | 0.01 | 94   | <.01 | <20 | 0.49 | <.01 | 0.06 | <2  |
| NTFMD008 NR | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -     | -   | -   | -    | -    | -    | -   | -    | -    | -    | -   |
| NTFMD009    | 3   | 9   | 13  | 217 | <.3 | 6   | 4   | 227 | 2.79 | 41  | <8  | <2  | <2  | 5   | 0.5 | <3  | <3  | 14  | 0.02 | 0.063 | 17  | 4   | 0.02 | 85   | <.01 | <20 | 0.4  | 0.01 | 0.03 | <2  |
| NTFMD010    | <1  | 2   | 4   | 50  | <.3 | 2   | 1   | 99  | 0.69 | 17  | <8  | <2  | <2  | 6   | <.5 | <3  | <3  | 9   | 0.06 | 0.026 | 5   | 1   | 0.01 | 47   | 0.01 | <20 | 0.14 | 0.02 | 0.02 | <2  |
| NTFMD011    | <1  | 2   | <3  | 22  | <.3 | 1   | <1  | 17  | 0.32 | 4   | <8  | <2  | <2  | 9   | <.5 | <3  | <3  | 7   | 0.17 | 0.021 | 1   | 1   | 0.02 | 47   | <.01 | <20 | 0.13 | 0.04 | 0.02 | <2  |
| NTFMD012 NR | -   | -   | -   | -   | -   | -   | -   | -   | -    | -   | -   | -   | -   | -   | -   | -   | -   | -   | -    | -     | -   | -   | -    | -    | -    | -   | -    | -    | -    | -   |
| NTFMD013    | 5   | 26  | 72  | 472 | 0.9 | 20  | 9   | 514 | 5.79 | 146 | <8  | <2  | 6   | 26  | 0.9 | 3   | <3  | 10  | 0.21 | 0.106 | 38  | 7   | 0.07 | 572  | <.01 | <20 | 0.74 | 0.01 | 0.06 | <2  |
| NTFMD014    | 5   | 18  | 91  | 200 | 0.6 | 15  | 7   | 287 | 3.04 | 34  | <8  | <2  | 2   | 27  | 0.7 | <3  | 4   | 15  | 0.21 | 0.073 | 30  | 8   | 0.17 | 1011 | 0.01 | <20 | 0.61 | 0.02 | 0.07 | <2  |
| NTFMD015    | 3   | 21  | 84  | 210 | 0.4 | 19  | 6   | 267 | 2.45 | 13  | <8  | <2  | <2  | 24  | 0.8 | <3  | <3  | 17  | 0.38 | 0.062 | 18  | 7   | 0.19 | 777  | 0.01 | <20 | 0.8  | 0.02 | 0.06 | <2  |
| NTFMD016    | 5   | 25  | 81  | 206 | 1   | 22  | 8   | 365 | 3    | 20  | <8  | <2  | 2   | 28  | 0.9 | <3  | <3  | 19  | 0.46 | 0.077 | 24  | 9   | 0.25 | 977  | 0.01 | <20 | 0.77 | 0.01 | 0.07 | <2  |
| NTFMD017    | 6   | 18  | 91  | 192 | 1   | 16  | 9   | 650 | 3.2  | 25  | <8  | <2  | 3   | 24  | 0.9 | <3  | 5   | 20  | 0.35 | 0.068 | 23  | 8   | 0.23 | 787  | 0.01 | <20 | 0.74 | 0.01 | 0.07 | <2  |
| NTFMD018    | 6   | 20  | 88  | 217 | 0.8 | 17  | 7   | 362 | 3.64 | 23  | <8  | <2  | 4   | 24  | 0.8 | 3   | <3  | 19  | 0.26 | 0.074 | 28  | 10  | 0.22 | 785  | 0.01 | <20 | 0.68 | 0.01 | 0.07 | <2  |
| RE NTFMD018 | 6   | 20  | 93  | 224 | 0.9 | 17  | 7   | 378 | 3.73 | 23  | <8  | <2  | 4   | 26  | 0.9 | <3  | <3  | 20  | 0.27 | 0.077 | 35  | 10  | 0.24 | 936  | 0.01 | <20 | 0.75 | 0.01 | 0.08 | <2  |
| NTFMD019    | 6   | 19  | 90  | 191 | 1.4 | 16  | 7   | 286 | 3.32 | 23  | <8  | <2  | 4   | 24  | 0.6 | <3  | <3  | 19  | 0.2  | 0.072 | 39  | 9   | 0.23 | 1056 | 0.01 | <20 | 0.75 | 0.01 | 0.08 | <2  |
| NTFMD020    | 6   | 17  | 98  | 123 | 1.5 | 11  | 3   | 75  | 3.27 | 30  | <8  | <2  | 2   | 27  | <.5 | 5   | <3  | 18  | 0.09 | 0.068 | 34  | 8   | 0.15 | 1921 | 0.01 | <20 | 0.57 | 0.01 | 0.06 | <2  |
| NTFMD021    | 4   | 18  | 79  | 147 | 1.7 | 12  | 4   | 119 | 3.32 | 28  | <8  | <2  | <2  | 17  | <.5 | 6   | <3  | 17  | 0.04 | 0.055 | 20  | 9   | 0.15 | 833  | 0.01 | <20 | 0.58 | 0.01 | 0.09 | <2  |
| NTFMD022    | 3   | 13  | 69  | 50  | 3.2 | 6   | 2   | 32  | 2.03 | 19  | <8  | <2  | <2  | 13  | <.5 | 4   | <3  | 13  | 0.03 | 0.043 | 13  | 6   | 0.08 | 832  | 0.01 | <20 | 0.41 | 0.01 | 0.05 | <2  |
| NTFMD023    | 4   | 33  | 78  | 148 | 1.1 | 31  | 6   | 167 | 4.46 | 25  | <8  | <2  | 4   | 9   | <.5 | 4   | <3  | 22  | 0.04 | 0.065 | 21  | 18  | 0.3  | 390  | 0.01 | <20 | 1.11 | 0.01 | 0.06 | <2  |
| NTFMD024    | 4   | 49  | 70  | 208 | 1   | 27  | 13  | 508 | 3.85 | 24  | <8  | <2  | 5   | 10  | <.5 | <3  | <3  | 23  | 0.02 | 0.055 | 27  | 17  | 0.42 | 257  | 0.01 | <20 | 1.21 | 0.01 | 0.06 | <2  |
| NTFMD025    | 5   | 32  | 103 | 134 | 1.8 | 18  | 4   | 126 | 4.05 | 38  | <8  | <2  | 2   | 18  | <.5 | 5   | <3  | 20  | 0.03 | 0.067 | 21  | 15  | 0.26 | 400  | 0.01 | <20 | 0.79 | 0.01 | 0.11 | <2  |
| NTFMD026    | 3   | 21  | 92  | 261 | 0.6 | 28  | 11  | 523 | 4.69 | 28  | <8  | <2  | 6   | 13  | 0.7 | <3  | <3  | 34  | 0.13 | 0.064 | 24  | 26  | 0.6  | 481  | 0.02 | <20 | 1.39 | 0.01 | 0.11 | <2  |
| NTFMD027    |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |      |       |     |     |      |      |      |     |      |      |      |     |

| ELEMENT      | Mo  | Cu  | Pb  | Zn   | Ag  | Ni  | Co  | Mn   | Fe    | As  | U   | Au  | Th  | Sr  | Cd  | Sb  | Bi  | V   | Ca   | P     | La  | Cr  | Mg   | Ba   | Ti   | B   | Al   | Na   | K    | W   |
|--------------|-----|-----|-----|------|-----|-----|-----|------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|------|------|------|-----|------|------|------|-----|
| SAMPLES      | ppm | ppm | ppm | ppm  | ppm | ppm | ppm | ppm  | %     | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | %    | %     | ppm | ppm | %    | ppm  | %    | ppm | %    | %    | %    | ppm |
| TMFMD020     | 5   | 34  | 243 | 626  | 1.2 | 32  | 10  | 825  | 5.75  | 28  | <8  | <2  | 4   | 30  | 2   | 3   | <3  | 35  | 0.04 | 0.086 | 27  | 36  | 0.97 | 1032 | 0.07 | <20 | 1.59 | 0.01 | 0.37 | 2   |
| TMFMD021     | 4   | 23  | 84  | 295  | 0.7 | 13  | 6   | 389  | 4.01  | 14  | <8  | <2  | <2  | 6   | <.5 | <3  | <3  | 23  | 0.01 | 0.072 | 19  | 14  | 0.29 | 231  | 0.01 | <20 | 1.19 | 0.01 | 0.06 | <2  |
| TMFMD022     | 6   | 46  | 317 | 756  | 1.8 | 40  | 12  | 1198 | 10.86 | 33  | <8  | <2  | 4   | 34  | 0.9 | <3  | <3  | 38  | 0.04 | 0.118 | 19  | 49  | 1.24 | 566  | 0.1  | <20 | 1.69 | 0.01 | 0.55 | 2   |
| TMFMD023     | 4   | 28  | 236 | 366  | 1.7 | 22  | 5   | 484  | 6.62  | 20  | <8  | <2  | <2  | 24  | <.5 | <3  | <3  | 28  | 0.03 | 0.086 | 18  | 30  | 0.75 | 889  | 0.05 | <20 | 1.18 | 0.01 | 0.36 | <2  |
| TMFMD024     | 4   | 17  | 69  | 183  | 2   | 5   | 1   | 154  | 13.5  | 14  | <8  | <2  | 2   | 8   | <.5 | <3  | <3  | 27  | 0.01 | 0.117 | 10  | 14  | 0.06 | 300  | 0.03 | <20 | 0.49 | 0.01 | 0.28 | <2  |
| JBFMD001     | 5   | 8   | 26  | 33   | 0.4 | 4   | 2   | 59   | 4.6   | 24  | <8  | <2  | 2   | 5   | <.5 | <3  | <3  | 16  | 0.01 | 0.094 | 12  | 4   | 0.09 | 76   | 0.01 | <20 | 0.84 | 0.01 | 0.03 | <2  |
| JBFMD002     | 4   | 8   | 17  | 27   | 0.5 | 3   | 3   | 39   | 2.61  | 16  | <8  | <2  | <2  | 8   | <.5 | <3  | <3  | 19  | 0.01 | 0.054 | 17  | 3   | 0.04 | 53   | 0.01 | <20 | 0.73 | 0.01 | 0.02 | <2  |
| JBFMD003     | 2   | 11  | 10  | 62   | <.3 | 9   | 3   | 104  | 1.76  | 6   | <8  | <2  | <2  | 3   | <.5 | <3  | <3  | 21  | 0.02 | 0.049 | 20  | 3   | 0.02 | 53   | <.01 | <20 | 0.39 | 0.01 | 0.03 | <2  |
| JBFMD004     | 4   | 16  | 52  | 129  | <.3 | 16  | 5   | 186  | 3.65  | 11  | <8  | <2  | 4   | 4   | <.5 | <3  | <3  | 30  | 0.02 | 0.034 | 23  | 9   | 0.16 | 121  | <.01 | <20 | 1.06 | <.01 | 0.04 | <2  |
| JBFMD005     | 3   | 15  | 8   | 68   | <.3 | 9   | 3   | 51   | 1.29  | 6   | <8  | <2  | <2  | 4   | <.5 | <3  | <3  | 23  | 0.03 | 0.036 | 20  | 3   | 0.03 | 58   | <.01 | <20 | 0.55 | 0.01 | 0.03 | <2  |
| JBFMD006     | 4   | 22  | 37  | 140  | <.3 | 17  | 6   | 274  | 3.61  | 11  | <8  | <2  | 4   | 2   | <.5 | <3  | <3  | 23  | 0.01 | 0.065 | 23  | 8   | 0.14 | 51   | <.01 | <20 | 0.66 | <.01 | 0.03 | <2  |
| JBFMD007     | 3   | 25  | 36  | 115  | 0.3 | 19  | 4   | 140  | 2.79  | 13  | <8  | <2  | <2  | 9   | <.5 | <3  | <3  | 20  | 0.07 | 0.066 | 21  | 10  | 0.29 | 162  | 0.01 | <20 | 0.8  | <.01 | 0.05 | <2  |
| JBFMD008     | 4   | 25  | 72  | 127  | <.3 | 20  | 7   | 209  | 3.6   | 16  | <8  | <2  | 3   | 13  | <.5 | 3   | <3  | 20  | 0.16 | 0.096 | 20  | 9   | 0.21 | 435  | <.01 | <20 | 0.8  | 0.01 | 0.07 | <2  |
| RE JBFMD008  | 4   | 26  | 73  | 131  | <.3 | 21  | 7   | 209  | 3.68  | 17  | <8  | <2  | 3   | 14  | <.5 | <3  | <3  | 21  | 0.16 | 0.097 | 23  | 9   | 0.22 | 443  | <.01 | <20 | 0.82 | 0.01 | 0.08 | <2  |
| JBFMD009     | 2   | 16  | 50  | 158  | 0.7 | 17  | 6   | 277  | 1.88  | 6   | <8  | <2  | 2   | 29  | 0.6 | <3  | <3  | 13  | 0.42 | 0.049 | 13  | 6   | 0.17 | 630  | 0.01 | <20 | 0.64 | 0.02 | 0.05 | <2  |
| JBFMD010     | 3   | 26  | 93  | 194  | 0.6 | 22  | 9   | 386  | 3.14  | 16  | <8  | <2  | 2   | 31  | 0.8 | <3  | <3  | 18  | 0.52 | 0.073 | 19  | 9   | 0.29 | 802  | <.01 | <20 | 0.9  | 0.01 | 0.08 | <2  |
| JBFMD011     | 4   | 26  | 166 | 379  | 0.9 | 41  | 12  | 470  | 3.65  | 13  | <8  | <2  | 4   | 25  | 1.3 | <3  | <3  | 18  | 0.52 | 0.08  | 27  | 9   | 0.32 | 399  | <.01 | <20 | 1.27 | 0.01 | 0.08 | <2  |
| JBFMD012     | 3   | 24  | 93  | 126  | 0.6 | 19  | 7   | 128  | 2.71  | 12  | <8  | <2  | 3   | 11  | <.5 | <3  | <3  | 15  | 0.04 | 0.055 | 21  | 8   | 0.19 | 726  | 0.01 | <20 | 1.59 | 0.01 | 0.06 | <2  |
| TMMMD001     | 10  | 27  | 89  | 876  | <.3 | 4   | 2   | 1498 | 6.54  | 24  | <8  | <2  | 15  | 9   | 1.5 | <3  | <3  | 6   | 0.21 | 0.039 | 58  | 3   | 1.06 | 777  | 0.09 | <20 | 2.14 | <.01 | 0.53 | <2  |
| TMMMD002     | 2   | 6   | 10  | 157  | <.3 | 2   | 1   | 179  | 1.04  | 2   | 9   | <2  | <2  | 12  | 0.6 | <3  | <3  | 10  | 0.25 | 0.043 | 20  | 1   | 0.15 | 190  | 0.03 | <20 | 0.87 | 0.03 | 0.03 | <2  |
| TMMMD003     | 8   | 19  | 74  | 247  | <.3 | 13  | 2   | 505  | 3.64  | 48  | <8  | <2  | <2  | 4   | <.5 | <3  | <3  | 25  | 0.04 | 0.071 | 31  | 7   | 0.36 | 118  | 0.02 | <20 | 0.91 | <.01 | 0.18 | <2  |
| STANDARD DS7 | 19  | 102 | 67  | 409  | 1.1 | 51  | 8   | 619  | 2.43  | 50  | <8  | <2  | 4   | 72  | 5.7 | 3   | 6   | 84  | 0.95 | 0.073 | 12  | 189 | 1.06 | 406  | 0.12 | 32  | 1.01 | 0.09 | 0.47 | 5   |
| G-1          | 1   | 2   | <3  | 39   | <.3 | 7   | 3   | 489  | 1.74  | <2  | <8  | <2  | 4   | 55  | <.5 | <3  | <3  | 31  | 0.45 | 0.074 | 7   | 97  | 0.54 | 192  | 0.11 | <20 | 0.91 | 0.07 | 0.47 | <2  |
| TMMMD004     | 12  | 18  | 114 | 245  | 1.1 | 8   | 2   | 363  | 3.15  | 37  | <8  | <2  | <2  | 7   | 0.6 | <3  | <3  | 25  | 0.07 | 0.154 | 21  | 10  | 0.3  | 221  | 0.01 | <20 | 1    | 0.01 | 0.11 | <2  |
| TMMMD005     | 11  | 26  | 105 | 542  | 0.7 | 21  | 4   | 431  | 3.44  | 34  | <8  | <2  | 7   | 8   | 1.3 | 3   | <3  | 25  | 0.21 | 0.069 | 39  | 9   | 0.74 | 428  | 0.03 | <20 | 1.27 | <.01 | 0.16 | <2  |
| TMMMD006     | 11  | 28  | 101 | 641  | 0.9 | 23  | 4   | 329  | 3.6   | 34  | 9   | <2  | 10  | 9   | 1.2 | <3  | 3   | 24  | 0.27 | 0.07  | 46  | 9   | 0.77 | 405  | 0.03 | <20 | 1.37 | <.01 | 0.18 | <2  |
| TMMMD007     | 5   | 36  | 24  | 417  | 0.4 | 54  | 4   | 215  | 2.4   | 16  | <8  | <2  | 2   | 15  | 1.3 | <3  | <3  | 29  | 0.39 | 0.087 | 22  | 10  | 0.53 | 244  | 0.02 | <20 | 1.21 | 0.01 | 0.11 | <2  |
| RE TMMMD007  | 5   | 36  | 23  | 418  | 0.4 | 55  | 5   | 221  | 2.44  | 17  | <8  | <2  | 3   | 15  | 1.3 | <3  | <3  | 30  | 0.39 | 0.088 | 23  | 10  | 0.54 | 246  | 0.02 | <20 | 1.24 | 0.01 | 0.11 | <2  |
| TMMMD008     | 6   | 25  | 23  | 232  | <.3 | 25  | 3   | 170  | 2.66  | 25  | <8  | <2  | 4   | 6   | <.5 | 3   | <3  | 32  | 0.11 | 0.07  | 26  | 10  | 0.54 | 140  | 0.01 | <20 | 0.95 | 0.01 | 0.12 | <2  |
| TMMMD009     | 7   | 40  | 85  | 340  | 0.7 | 26  | 5   | 355  | 3.26  | 35  | <8  | <2  | 7   | 6   | 0.5 | 3   | <3  | 30  | 0.11 | 0.074 | 41  | 10  | 0.71 | 349  | 0.01 | <20 | 1.25 | <.01 | 0.16 | <2  |
| TMMMD010     | 7   | 38  | 63  | 514  | 0.5 | 39  | 4   | 290  | 3.32  | 37  | 8   | <2  | 7   | 10  | 1.5 | <3  | <3  | 31  | 0.26 | 0.08  | 34  | 10  | 0.72 | 367  | 0.02 | <20 | 1.28 | 0.01 | 0.16 | <2  |
| TMMMD011     | 6   | 24  | 34  | 229  | 0.6 | 21  | 2   | 139  | 2.31  | 24  | <8  | <2  | 3   | 9   | <.5 | <3  | <3  | 24  | 0.2  | 0.062 | 21  | 7   | 0.48 | 283  | 0.01 | <20 | 0.91 | 0.01 | 0.08 | <2  |
| TMMMD012     | 10  | 31  | 119 | 524  | 0.5 | 28  | 6   | 488  | 4.2   | 48  | <8  | <2  | 5   | 7   | <.5 | <3  | <3  | 29  | 0.21 | 0.072 | 35  | 9   | 0.7  | 465  | 0.02 | <20 | 1.41 | 0.01 | 0.16 | <2  |
| TMMMD013     | 8   | 25  | 101 | 309  | 0.7 | 2   | <1  | 402  | 3.82  | 21  | <8  | <2  | 3   | 4   | <.5 | 3   | <3  | 11  | 0.02 | 0.038 | 27  | 3   | 0.24 | 179  | 0.03 | <20 | 0.97 | 0.01 | 0.11 | <2  |
| TMMMD014     | 17  | 35  | 233 | 2683 | 0.8 | 5   | 1   | 1730 | 7.01  | 21  | <8  | <2  | 15  | 13  | 2.7 | <3  | <3  | 4   | 0.26 | 0.024 | 93  | 2   | 1.29 | 877  | 0.11 | <20 | 2.46 | 0.01 | 0.51 | <2  |
| TMMMD015     | 7   | 31  | 81  | 360  | <.3 | 26  | 3   | 224  | 3.11  | 31  | <8  | <2  | 5   | 10  | 0.6 | 3   | <3  | 28  | 0.25 | 0.07  | 31  | 10  | 0.61 | 255  | 0.02 | <20 | 1.12 | 0.01 | 0.16 | <2  |
| TMMMD016     | 9   | 38  | 124 | 381  | 0.5 | 24  | 4   | 364  | 4.11  | 46  | <8  | <2  | 6   | 6   | <.5 | 3   | <3  | 31  | 0.11 | 0.061 | 46  | 9   | 0.52 | 414  | 0.03 | <20 | 1.11 | <.01 | 0.19 | <2  |
| TMMMD017     | 6   | 19  | 22  | 180  | 0.5 | 20  | 2   | 121  | 2.27  | 21  | <8  | <2  | 3   | 10  | <.5 | <3  | <3  | 31  | 0.2  | 0.064 | 26  | 9   | 0.54 | 203  | 0.01 | <20 | 0.93 | 0.01 | 0.13 | <2  |
| TMMMD018     | 3   | 17  | 18  | 134  | 0.6 | 17  | 2   | 107  | 1.77  | 13  | <8  | <2  | 2   | 10  | <.5 | 3   | <3  | 21  | 0.18 | 0.06  | 17  | 6   | 0.35 | 142  | 0.02 | <20 | 0.65 | 0.02 | 0.07 | <2  |
| TMMMD019     | 5   | 21  | 23  | 215  | 0.5 | 24  | 3   | 185  | 2.33  | 20  | <8  | <2  | 3   | 13  | 0.7 | <3  | <3  | 26  | 0.32 | 0.069 | 22  | 7   | 0.5  | 239  | 0.02 | <20 | 0.87 | 0.01 | 0.12 | <2  |
| TMMMD020     | 5   | 29  | 25  | 230  | 0.5 | 29  | 4   | 193  | 2.49  | 18  | <8  | <2  | 4   | 14  | <.5 | 3   | <3  | 27  | 0.29 | 0.083 | 21  | 8   | 0.52 | 197  | 0.01 | <20 | 0.9  | 0.01 | 0.11 | <2  |
| TMMMD021     | 5   | 33  | 22  | 268  | 0.3 | 37  | 4   | 179  | 2.35  | 17  | 8   | <2  | 3   | 17  | 0.8 | <3  | <3  | 28  | 0.36 | 0.087 | 23  | 9   | 0.58 | 243  | 0.01 | <20 | 0.99 | 0.01 | 0.12 | <2  |
| TMMMD022     | 5   | 36  | 25  | 334  | 0.5 | 49  | 7   | 281  | 2.69  | 17  | 8   | <2  | 3   | 17  | 1.1 | 4   | <3  | 32  | 0.36 | 0.088 | 25  | 11  | 0.62 | 255  | 0.01 | <20 | 1.16 | 0.01 | 0.14 | <2  |
| TMMMD023     | 6   | 34  | 31  | 241  | <.3 | 42  | 7   | 484  | 3.04  | 31  | 13  | <2  | 3   | 18  | 0.8 | <3  | <3  | 31  | 0.4  | 0.099 | 24  | 12  | 0.66 | 224  | 0.02 | <20 | 1.09 | 0.01 | 0.13 | <2  |
| TMMMD024     | 6   | 23  | 24  | 191  | 0.4 | 24  | 5   | 167  | 2.27  | 13  | <8  | <2  | 6   | 12  | <.5 | <3  | <3  | 28  | 0.22 | 0.076 | 28  | 10  | 0.57 | 161  | 0.01 | <20 | 0.83 | <.01 | 0.1  | <2  |
| TMMMD025     | 5   | 32  | 28  | 288  | 0.3 | 35  | 7   | 208  | 2.72  | 18  | 8   | <2  | 5   | 16  | 0.8 | 4   | <3  | 33  | 0.32 | 0.088 | 28  | 12  | 0.67 | 216  | 0.02 | <20 | 1.11 | 0.01 | 0.13 | <2  |
| TMMMD026     | 5   | 27  | 27  | 287  | 0.4 | 31  | 6   | 188  | 2.62  | 16  | <8  | <2  | 3   | 15  | 0.6 | <3  | <3  | 34  | 0.29 | 0.091 | 26  | 12  | 0.66 | 250  | 0.01 | <20 | 1.23 | 0.01 | 0.13 | <2  |
| TMMMD027     | 5   | 31  | 30  | 336  | 0.4 | 33  | 6   | 203  | 2.69  | 18  | <8  | <2  | 5   | 19  | 0.8 | 4   | <3  | 33  | 0.41 | 0.091 | 27  | 11  | 0.71 | 238  | 0.02 | <20 | 1.16 | 0.01 | 0.14 | <2  |
| TMMMD028     | 7   | 23  | 30  | 262  | 0.4 | 27  | 5   |      |       |     |     |     |     |     |     |     |     |     |      |       |     |     |      |      |      |     |      |      |      |     |

# BOOTLEG EXPL'N/PELLEY MTN-X07

Ref/I.D.:

Smpl Series: NTFMD034 - NTFMD049

Report Date: 14 FEB 2008

GDL Job No: V07-1387S

**teck**cominco

Global Discovery Labs

| LAB NO | FIELD NUMBER | S_Type | A_Num | Ba(L)<br>ppm |
|--------|--------------|--------|-------|--------------|
|--------|--------------|--------|-------|--------------|

|              |          |    |           |      |
|--------------|----------|----|-----------|------|
| S0719863     | NTFMD034 |    | V07-1387S | 5666 |
| S0719864     | NTFMD035 |    | V07-1387S | 3820 |
| S0719865     | NTFMD036 |    | V07-1387S | 2787 |
| S0719866     | NTFMD037 |    | V07-1387S | 3215 |
| S0719867     | NTFMD038 |    | V07-1387S | 3321 |
| S0719868     | NTFMD039 |    | V07-1387S | 2977 |
| S0719869     | NTFMD040 |    | V07-1387S | 2134 |
| S0719870     | NTFMD041 |    | V07-1387S | 3652 |
| S0719871     | NTFMD042 |    | V07-1387S | 2661 |
| S0719872     | NTFMD043 |    | V07-1387S | 2139 |
| S0719873     | NTFMD044 |    | V07-1387S | 3210 |
| S0719874     | NTFMD045 |    | V07-1387S | 2790 |
| S0719875     | NTFMD001 |    | V07-1387S | 785  |
| S0719876     | NTFMD002 |    | V07-1387S | 1205 |
| S0719877     | NTFMD003 |    | V07-1387S | 1008 |
| S0719878     | NTFMD004 |    | V07-1387S | 1126 |
| S0719878 rpt |          | DI | V07-1387S | 1122 |
| S0719879     | NTFMD005 |    | V07-1387S | 1565 |
| S0719880     | NTFMD006 |    | V07-1387S | 1751 |
| S0719881     | NTFMD007 |    | V07-1387S | 3125 |
| S0719882     | NTFMD009 |    | V07-1387S | 2001 |
| S0719883     | NTFMD010 |    | V07-1387S | 1107 |
| S0719884     | NTFMD011 |    | V07-1387S | 927  |
| S0719885     | NTFMD013 |    | V07-1387S | 4202 |
| S0719886     | NTFMD014 |    | V07-1387S | 4680 |
| S0719887     | NTFMD015 |    | V07-1387S | 2101 |
| S0719888     | NTFMD016 |    | V07-1387S | 3340 |
| S0719889     | NTFMD017 |    | V07-1387S | 3452 |
| S0719890     | NTFMD018 |    | V07-1387S | 4269 |
| S0719891     | NTFMD019 |    | V07-1387S | 5485 |
| S0719892     | NTFMD020 |    | V07-1387S | 4072 |
| S0719893     | NTFMD021 |    | V07-1387S | 3100 |
| S0719894     | NTFMD022 |    | V07-1387S | 2361 |
| S0719895     | NTFMD023 |    | V07-1387S | 1688 |
| S0719895 rpt |          | DI | V07-1387S | 1685 |

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GDL Job No: V07-1387S

| LAB NO       | FIELD NUMBER | S_Type | A_Num     | Ba(L)<br>ppm |
|--------------|--------------|--------|-----------|--------------|
| S0719896     | NTFMD024     |        | V07-1387S | 1860         |
| S0719897     | NTFMD025     |        | V07-1387S | 2361         |
| S0719898     | NTFMD026     |        | V07-1387S | 2847         |
| S0719899     | NTFMD027     |        | V07-1387S | 2828         |
| S0719900     | NTFMD028     |        | V07-1387S | 3015         |
| S0719901     | NTFMD029     |        | V07-1387S | 1600         |
| S0719902     | NTFMD030     |        | V07-1387S | 1542         |
| S0719903     | NTFMD031     |        | V07-1387S | 2485         |
| S0719904     | NTFMD032     |        | V07-1387S | 1895         |
| S0719905     | NTFMD033     |        | V07-1387S | 1272         |
| S0719906     | TMFMD001     |        | V07-1387S | 1325         |
| S0719907     | TMFMD002     |        | V07-1387S | 1542         |
| S0719908     | TMFMD003     |        | V07-1387S | 1260         |
| S0719909     | TMFMD004     |        | V07-1387S | 2300         |
| S0719910     | TMFMD05      |        | V07-1387S | 49149        |
| S0719911     | TMFMD06      |        | V07-1387S | 6155         |
| S0719912     | TMFMD07      |        | V07-1387S | 17232        |
| S0719913     | TMFMD08      |        | V07-1387S | 9959         |
| S0719914     | TMFMD09      |        | V07-1387S | 3533         |
| S0719915     | TMFMD010     |        | V07-1387S | 13857        |
| S0719916     | TMFMD011     |        | V07-1387S | 2701         |
| S0719917     | TMFMD012     |        | V07-1387S | 3557         |
| S0719918     | TMFMD013     |        | V07-1387S | 4530         |
| S0719919     | TMFMD014     |        | V07-1387S | 5842         |
| S0719920     | TMFMD015     |        | V07-1387S | 10162        |
| S0719921     | TMFMD016     |        | V07-1387S | 5393         |
| S0719922     | TMFMD017     |        | V07-1387S | 8772         |
| S0719923     | TMFMD018     |        | V07-1387S | 1303         |
| S0719924     | TMFMD019     |        | V07-1387S | 4527         |
| S0719925     | TMFMD020     |        | V07-1387S | 5745         |
| S0719926     | TMFMD021     |        | V07-1387S | 2384         |
| S0719926 rpt |              | DI     | V07-1387S | 2369         |
| S0719927     | TMFMD022     |        | V07-1387S | 7547         |
| S0719928     | TMFMD023     |        | V07-1387S | 5255         |
| S0719929     | TMFMD024     |        | V07-1387S | 1814         |
| S0719930     | JBFMD001     |        | V07-1387S | 890          |
| S0719931     | JBFMD02      |        | V07-1387S | 947          |
| S0719932     | JBFMD03      |        | V07-1387S | 1600         |
| S0719933     | JBFMD04      |        | V07-1387S | 1660         |
| S0719934     | JBFMD05      |        | V07-1387S | 1670         |

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GDL Job No: V07-1387S

| LAB NO       | FIELD NUMBER | S_Type | A_Num     | Ba(L)<br>ppm |
|--------------|--------------|--------|-----------|--------------|
| S0719935     | JBFMD06      |        | V07-1387S | 1968         |
| S0719936     | JBFMD07      |        | V07-1387S | 2185         |
| S0719937     | JBFMD08      |        | V07-1387S | 2605         |
| S0719938     | JBFMD09      |        | V07-1387S | 2401         |
| S0719939     | JBFMD010     |        | V07-1387S | 3069         |
| S0719940     | JBFMD011     |        | V07-1387S | 2447         |
| S0719941     | JBFMD012     |        | V07-1387S | 2250         |
| S0719942     | TMMMD001     |        | V07-1387S | 2772         |
| S0719943     | TMMMD02      |        | V07-1387S | 1102         |
| S0719944     | TMMMD03      |        | V07-1387S | 2164         |
| S0719944 rpt |              | DI     | V07-1387S | 2169         |
| S0719945     | TMMMD04      |        | V07-1387S | 1877         |
| S0719946     | TMMMD05      |        | V07-1387S | 2852         |
| S0719947     | TMMMD06      |        | V07-1387S | 2543         |
| S0719948     | TMMMD07      |        | V07-1387S | 2270         |
| S0719949     | TMMMD08      |        | V07-1387S | 2318         |
| S0719950     | TMMMD09      |        | V07-1387S | 2773         |
| S0719951     | TMMMD010     |        | V07-1387S | 2575         |
| S0719952     | TMMMD011     |        | V07-1387S | 2409         |
| S0719953     | TMMMD012     |        | V07-1387S | 2777         |
| S0719954     | TMMMD013     |        | V07-1387S | 1852         |
| S0719955     | TMMMD014     |        | V07-1387S | 2225         |
| S0719956     | TMMMD015     |        | V07-1387S | 2530         |
| S0719957     | TMMMD016     |        | V07-1387S | 2626         |
| S0719958     | TMMMD017     |        | V07-1387S | 2612         |
| S0719959     | TMMMD018     |        | V07-1387S | 1628         |
| S0719960     | TMMMD019     |        | V07-1387S | 2056         |
| S0719961     | TMMMD020     |        | V07-1387S | 2215         |
| S0719962     | TMMMD021     |        | V07-1387S | 2721         |
| S0719963     | TMMMD022     |        | V07-1387S | 2921         |
| S0719964     | TMMMD023     |        | V07-1387S | 2338         |
| S0719965     | TMMMD024     |        | V07-1387S | 2647         |
| S0719966     | TMMMD025     |        | V07-1387S | 2567         |
| S0719967     | TMMMD026     |        | V07-1387S | 2655         |
| S0719968     | TMMMD027     |        | V07-1387S | 2555         |
| S0719969     | TMMMD028     |        | V07-1387S | 2622         |
| S0719970     | TMMMD029     |        | V07-1387S | 2469         |
| S0719970 rpt |              | DI     | V07-1387S | 2501         |
| S0719971     | TMMMD030     |        | V07-1387S | 2788         |
| S0719972     | TMMMD031     |        | V07-1387S | 2472         |

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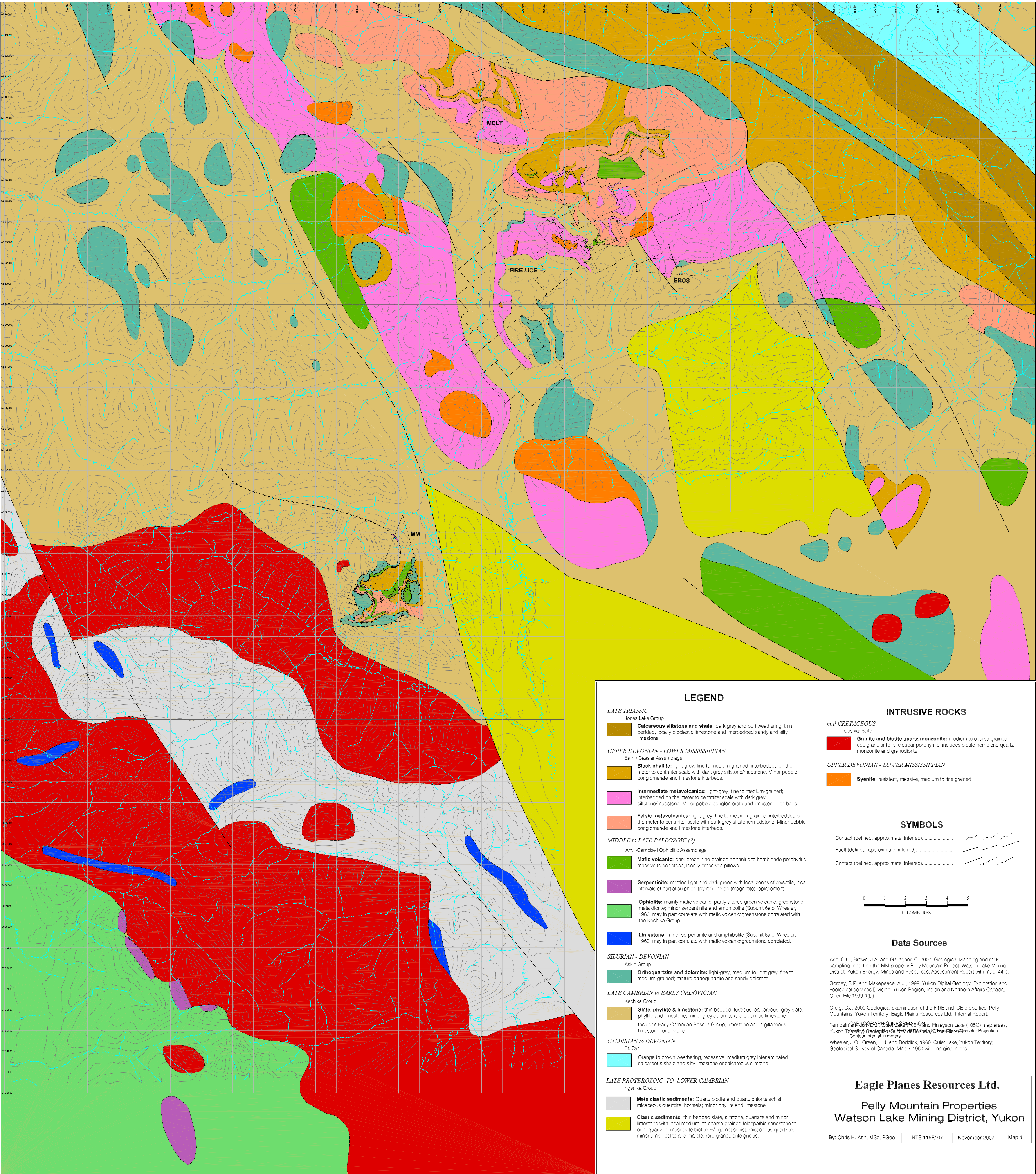
| LAB NO       | FIELD NUMBER | S_Type | A_Num     | Ba(L)<br>ppm |
|--------------|--------------|--------|-----------|--------------|
| S0719973     | TMMMD032     |        | V07-1387S | 1057         |
| S0719974     | TMMMD033     |        | V07-1387S | 2247         |
| S0719975     | TMFMS001     |        | V07-1387S | 12098        |
| S0719976     | NTFMS001     |        | V07-1387S | 855          |
| S0719977     | NTFMD046     |        | V07-1387S | 2934         |
| S0719978     | NTFMD047     |        | V07-1387S | 2280         |
| S0719979     | NTFMD048     |        | V07-1387S | 1380         |
| S0719980     | NTFMD049     |        | V07-1387S | 2879         |
| STD: Mica-Mg |              | S      | V07-1387S | 4018         |
| STD: Mica-Mg |              | S      | V07-1387S | 4056         |
| STD: NIM-S   |              | S      | V07-1387S | 2454         |
| STD: NIM-S   |              | S      | V07-1387S | 2460         |

I=insufficient sample

If requested analyses are not shown, results are to follow

#### ANALYTICAL METHODS

Ba(L) X-Ray fluorescence / loose powder



East

Looking South

West

