

**YMIP Technical Report**

on the

Outer Zn Project  
Watson Lake Mining District

Mapsheets 105J16

Center of Work:

Latitude 62°53'57" N, Longitude 130°9'53" W

Prepared for:

Eagle Plains Resources Ltd.

Suite 200, 16-11<sup>th</sup> Ave S.

Cranbrook, BC, V1C 2P1

By

Aaron Higgs, B.Sc. (Geol)

Bootleg Exploration Inc.

Date

March 16, 2010

## SUMMARY

The target was identified due to its potential to host Intrusion related gold mineralization and polymetallic veining. There are anomalous silt samples in Au-Ag-Cu-As-Pb that are derived from both the pluton and the surrounding sediments. Most of these anomalous values are concentrated in the SE zone of the pluton. There are numerous glaciers within the target which have likely receded and could reveal undiscovered mineralization.

The Outer Znk target is located within the Watson Lake mining district, 40 km south-southwest of MacMillan Pass and 150 km northeast of Ross River. The only claims in the area are the Znk claims, held by Eagle Plains Resources Ltd. These claims cover a number of SEDEX style mineralization occurrences.

Three and a half days were spent on the project area between the dates of July 27 and August 1, 2009. A fly camp was set up on a lake in a valley on the SE edge of the intrusive stock, at 439977E, 6974051N. Work in the area included prospecting, mapping and historical assessment. The work focused on the margins of the pluton in contact with the Road River sediments, the areas around the receding glaciers and the historic work on the Costin showing and expired Wilson Claims.

A total of 12 rock samples were taken during the exploration program. Of these samples, the best result came from a sample of a boulder of the granodiorite at the toe of the glacier just north of camp that contained cpy-gn-py-po+/-mo in quartz and sulphide veins as well 8-10% sulphides within the intrusive (AHOZR001). This sample returned values of 959 ppm Cu, 0.65% Pb, 0.13% Zn, 69 ppm Ag and 220ppb Au. A sample of a sedimentary unit with abundant pyrite taken near the historic Costin showing returned valued of 242 ppm Cu, 0.47% Pb, 364 ppm Zn, 36.2 ppm Ag and 30 ppb Au (NTOZR002). The historic Wilson claims, the next bowl to the north from the sample NTOZR002 , contained a small plug of intrusive containing 3-20 cm bull qtz veins. These were mostly barren, save for a few which had coarse grained molybdenite books. A grab sample of the molybdenite bearing quartz veins returned 0.42% Mo (LJOZR004). No other samples returned significant values for the elements of interest.

The exploration program did result in some interesting discoveries including a highly mineralized intrusive float boulder that returned anomalous values for Au, Ag, Pb, Cu and Zn. This sample could not be followed up due to the glacier and difficult terrain surrounding it. There was minor quartz veining discovered in the bowl east of camp but the extent of the veining was limited and the mineralization was limited to pyrite and rare molybdenite. There wasn't any visible alteration assemblages within the sedimentary units surrounding the intrusive that would indicate a large mineralizing system. No further work is recommended on the target area. One would have to wait until the glaciers recede more significantly (which may happen sooner than later judging by how much melting was observed). This would make working in the area much more accessible and could reveal the mineralization we were seeking.

Total YMIP applicable expenditures for the program were \$27,597.85.

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## **INTRODUCTION**

### **Location and Access**

The Outer Znk target is located within the Watson Lake mining district, 40 km south-southwest of MacMillan Pass and 150 km northeast of Ross River. It is found in the NTS map sheet 105J16 with a centre lat and long point of 62°53'N, 130°16'W. The only claims in the area are the Znk claims, held by Eagle Plains Resources Ltd. These claims cover a number of SEDEX style mineralization occurrences.

Access to the target area was by helicopter. The crew drove to a staging area on the Canol Road, located just ~15 km to the northwest from the centre of the target area and flew into and out of the fly camp from there. The terrain in the project area is very steep and includes many active glaciers. Rock exposure is very high.

140°0'0"W

135°0'0"W

130°0'0"W

125°0'0"W

120°0'0"W

70°0'0"N

EPL-TSX-V



**Eagle Plains Resources Ltd.**

**Outer ZnK Target**

Figure 1 - Target Location

Projection - NAD 83 UTM Zone 08N

Scale - 1 : 5 000 000

23/02/2010



**Canada**

**Legend**

- ★ YMIP Target
- Town
- Territorial Border
- Road
- River
- Lakes

Alaska (USA)

Dempster Highway

Yukon

Northwest Territories

Territory

**Outer ZnK**

Dawson City

Keno Hill

Mayo

Faro

Ross River

Tungsten

Beaver Creek

Carmacks

Canol

Haines Junction

Klondike Highway

Alaska Highway

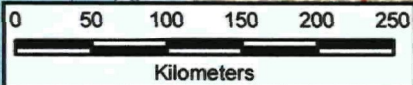
Whitehorse

Johnsons Crossing

Watson Lake

Carcross

British Columbia



140°0'0"W

135°0'0"W

130°0'0"W

125°0'0"W

60°0'0"N

65°0'0"N

60°0'0"N

Vuntut National Park

Kluane National Park

## **GEOLOGICAL**

### **Regional Geology Description**

Most of the target is underlain by basinal sediments of the Road River group, black shale and chert with minor silty limestone, along with Earn Group basinal units, mostly black shale with minor carbonate units. These sediments are intruded by the Itsi pluton, a mid-Cretaceous quartz monzonite stock.

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**Eagle Plains Resources Ltd.**

EPL-TSX-V

Outer ZnK Target  
Figure 2a - Regional Geology  
Projection - NAD 83 UTM Zone 09N  
Scale - 1: 75 000

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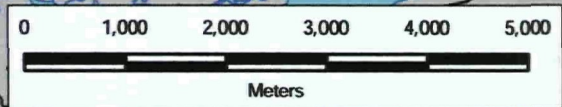
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



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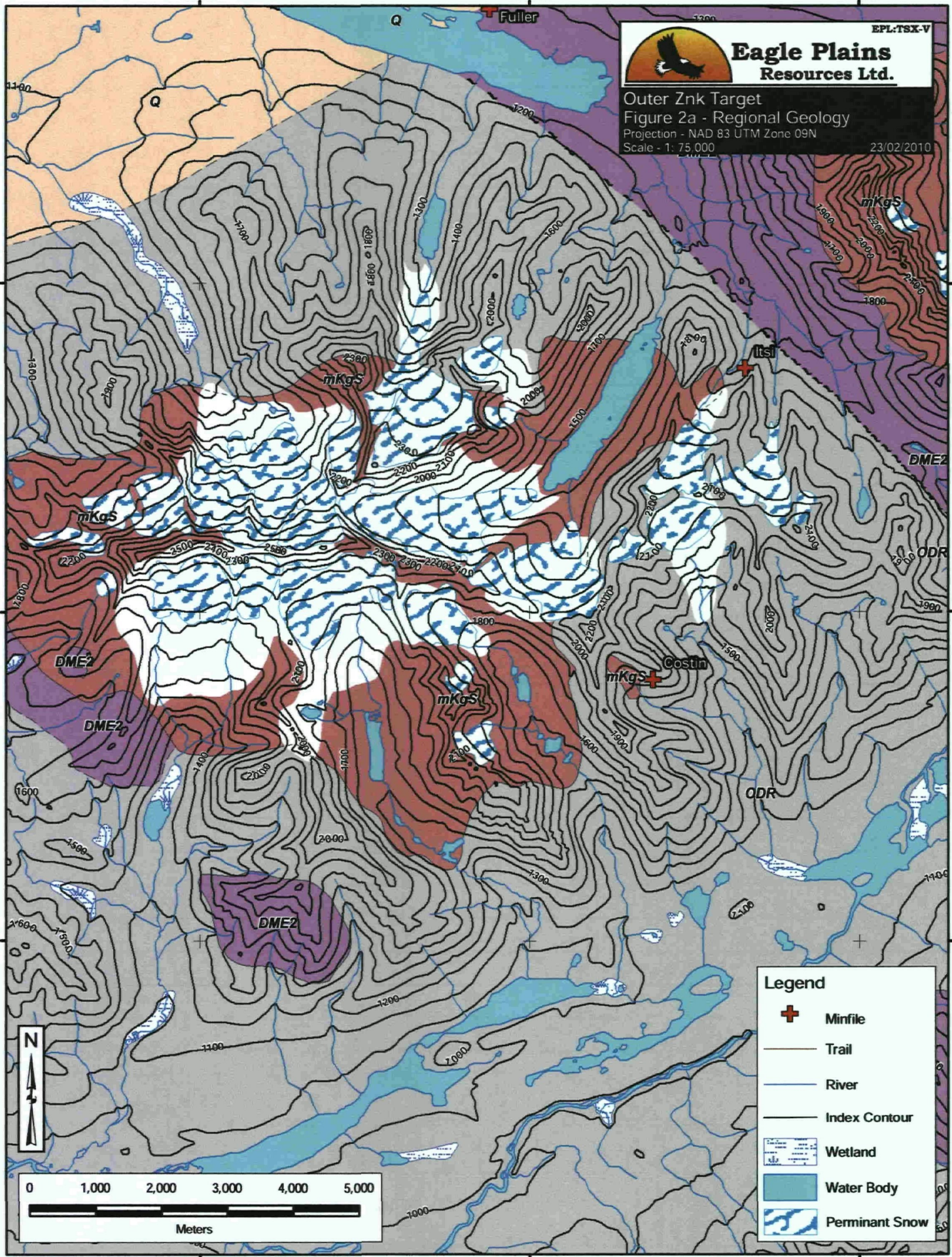
**Legend**

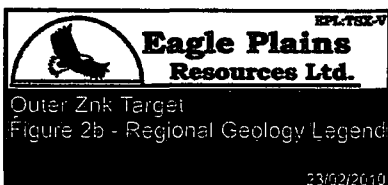
-  Minfile
-  Trail
-  River
-  Index Contour
-  Wetland
-  Water Body
-  Perminant Snow

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**Geology Legend** • After S.P. Gordey and A.J. Makepeace, 1999

~~~~~ Fault - Defined

~ ~ ~ Fault - Approximate

~ ' ~ ' Fault - Extrapolated

----- Contact - Assumed

———— Contact - Observed

----- Contact - Inferred

Q **Q: QUATERNARY: Quaternary - unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluvial silt, sand, and gravel, and local volcanic ash, in part with cover of soil and organic deposits**

mKgS **mKgS: SELWYN SUITE: resistant, blocky, fine to coarse grained equigranular to porphyritic (K-feldspar) biotite quartz monzonite and granodiorite and minor quartz diorite; minor leuco-quartz monzonite and syenite (Selwyn Suite)**

CPMC **CPMC: MOUNT CHRISTIE: Carboniferous to Permian - burrowed, interbedded greenish grey cherty shale and green shale; thin to medium bedded, light grey-green to black chert; black siliceous slate and siltstone; minor quartzite, limestone and dolostone; locally abundant, large grey barite nodules**

DME2 **DME2: EARN: silvery blue weathering black shale, argillite, cherty argillite and thin bedded chert; nodular and bedded barite; rare limestone (Earn Gp., Portrait Lake and Prevost ; may locally include beds as old as Early Devonian)**

ODR **ODR: ROAD RIVER - SELWYN: black shale and chert (1) overlain by orange siltstone (2) or buff platy limestone (3); locally contains beds as old as Middle Cambrian (4); correlations with basinal strata in Richardson Mountains include: ODR1 with CDR2 (upper part) and ODR2 with CDR4 (Road River Gp.)**



## **EXPLORATION PROGRAM**

### **Introduction**

The target hosts coincident anomalous silt signatures in the elements Au, Ag, Cu, Pb, Sb and As. There are many anomalous values coming from both the Itsi pluton as well as sediments on the margins of the pluton. There are a number of glaciers over the Itsi pluton which recently have likely receded significantly, and thus might have revealed previously hidden mineralization. The Costin historic mineral showing, located in the eastern part of the target, is an occurrence of polymetallic veining that was briefly investigated in the 1980. Although the small program didn't return extremely encouraging results, there remains the potential for further mineralization of this type.

### **Program Description**

Five days were spent on the project area between the dates of July 27 and August 1, 2009. A fly camp was set up on a lake in a valley on the SE edge of the intrusive stock, at 439977E, 6974051N. Work in the area included prospecting, mapping and historical assessment. The work focused on the margins of the pluton in contact with the Road River sediments, the areas around the receding glaciers and the historic work on the Costin showing and expired Wilson Claims.

A total of 12 rock samples were taken during the exploration program. These samples were analyzed using the Niton XRF analyzer as well as sent to Stewart Group analytical laboratories in Kamloops for analysis using the analytical packages BICP-11 as well as BAUFG-32 and BAGFG-40.

Total YMIP applicable expenditures for the program were \$27,597.85.

## **EXPLORATION RESULTS**

### **Geological Mapping**

The geological mapping program was successful in better defining the contact between the Itsi pluton and the Road River sediments. The extents of the glaciers were also noted and described, adjusting the previous mapped extents.

The Itsi pluton in the area consists of an equigranular medium grained quartz monzonite-granodiorite with ~8-10% mafics consisting of biotite and 60/40 split of plagioclase feldspar and quartz. There was little to no K-feldspar in the rocks. The sediments in the area consist of black chert, black shale and siltstone with minor grey silty limestone beds. The black shale and siltstone units were fine grained, bedded and hornfelsed, more intensely closer to the granodiorite, containing common 2-5% pyrite, and locally 2-3% pyrrhotite. There were rare occurrences of conglomerate units and felsic dykes intruding the sedimentary units. Alteration was limited to the mineralized boulder found in the intrusives and minor contact metamorphism on the margins of the pluton.

The results of the geologic mapping are found in Figure 3.

### Geochemistry

Of the rock samples taken, the best result came from a sample of a boulder of the granodiorite at the toe of the glacier just north of camp that contained cpy-gn-py-po+/-mo in quartz and sulphide veins as well 8-10% sulphides within the intrusive (AHOZR001). This sample returned values of 959 ppm Cu, 0.65% Pb, 0.13% Zn, 69 ppm Ag and 220 ppb Au. There was some gossans on the cliffside visible but were unreachable due terrain.

In the same bowl but not the same location as the historic Costin showing, mo-cpy-gn veining was found in the intrusive. The mineralization was found in small vnts of larger barren bull veins. A sample of a sediment unit with abundant pyrite taken near this intrusive plug returned valued of 242 ppm Cu, 0.47% Pb, 364 ppm Zn, 36.2 ppm Ag and 30 ppb Au (NTOZR002).

The historic Wilson claims, the next bowl to the north from the sample NTOZR002 , contained a small plug of intrusive containing 3-20 cm bull quartz veins. These were mostly barren, save for a few which had coarse grained molybdenite books. A grab sample of the molybdenite bearing quartz veins returned 0.42% Mo (LJOZR004). No other samples returned significant values for the elements of interest.

The locations of the samples can be found in Figure 3 and the geochemical results in Figures 4 and 5.

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### Geology Legend

Monzonite/Granodiorite - equal amounts of plag + quartz phenocrysts; equigranular, ~8% matrix; minor diss py; plug in one locality py-po-ga +/- cpy in veins, blebs and diss; mKgS  
 Road River Group - sediments include: fine grained bedded shale/siltstone; chert black; grey limestone fine grained minor; rare conglomerate units; near contact siltstone/shale unit commonly homfelsed; ODR  
 rare felsic dykes intruding sed



## Eagle Plains Resources Ltd.

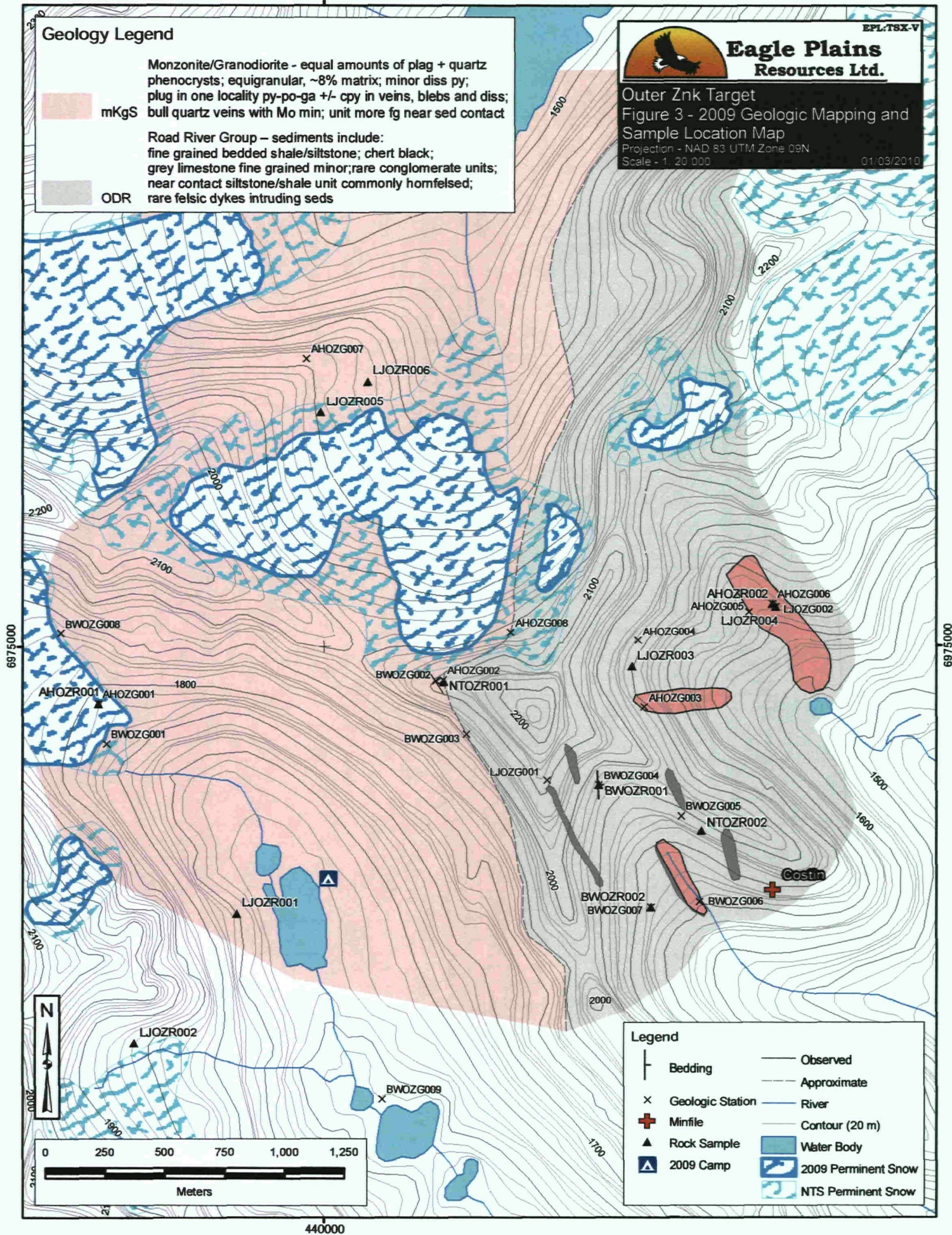
EPL-TSX-V

### Outer ZnK Target

### Figure 3 - 2009 Geologic Mapping and Sample Location Map

Projection - NAD 83 UTM Zone 09N  
Scale - 1:20 000

01/03/2010



### Legend

- Bedding
- x Geologic Station
- + Minifile
- ▲ Rock Sample
- ▣ 2009 Camp
- Observed
- - - Approximate
- River
- Contour (20 m)
- Water Body
- 2009 Permanent Snow
- NTS Permanent Snow

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**Eagle Plains Resources Ltd.**

EPL-TSX-V

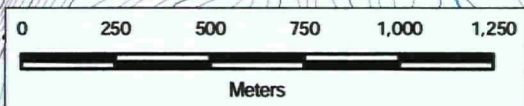
Outer ZnK Target  
Figure 4 - Sample Geochemistry - XRF  
Cu (ppb), Mo (ppm), Pb (ppm)  
Projection - NAD 83 UTM Zone 09N  
Scale - 1:20,000  
01/03/2010

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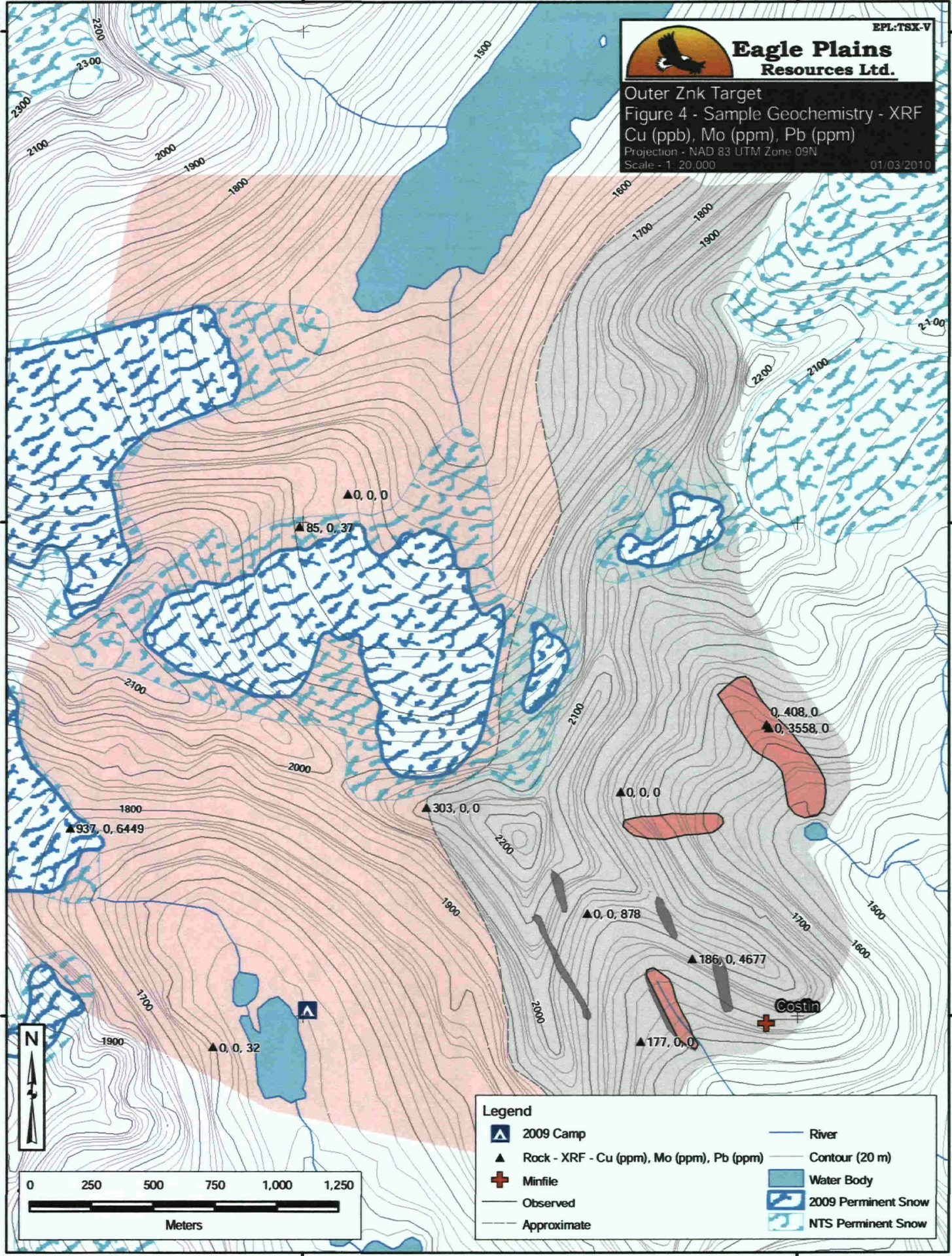


**Legend**

- 2009 Camp
- Rock - XRF - Cu (ppb), Mo (ppm), Pb (ppm)
- Minfile
- Observed
- Approximate
- River
- Contour (20 m)
- Water Body
- 2009 Permanent Snow
- NTS Permanent Snow

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▲ 0.0, 0

▲ 85.0, 37

▲ 937.0, 6449

▲ 303.0, 0

▲ 0.0, 0

▲ 0.408, 0

▲ 0.3558, 0

▲ 0.0, 878

▲ 186.0, 4677

▲ 177.0, 0

▲ 0.0, 32

Costin

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**Eagle Plains Resources Ltd.**

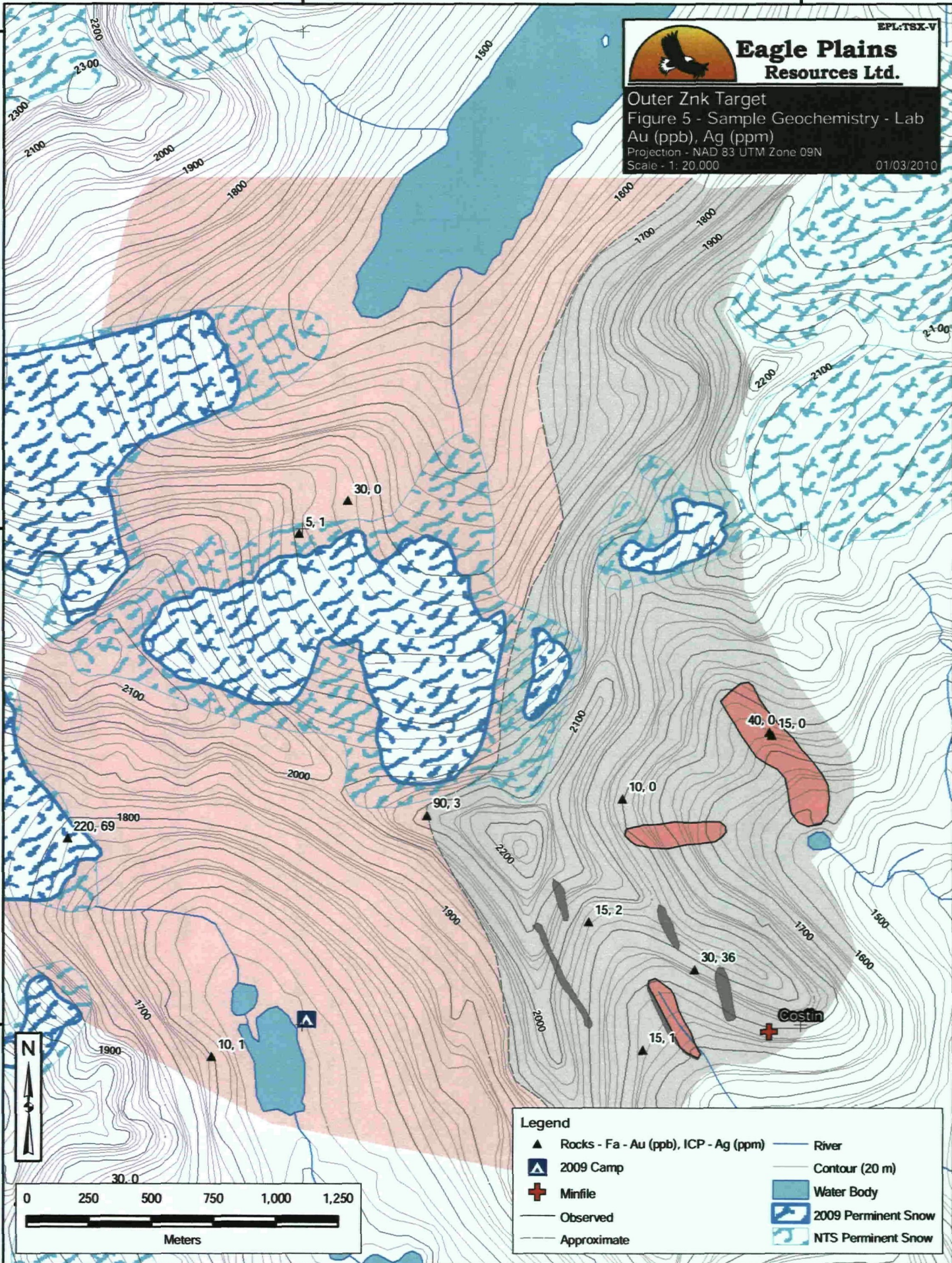
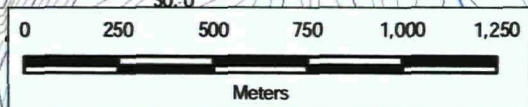
Outer ZnK Target  
Figure 5 - Sample Geochemistry - Lab  
Au (ppb), Ag (ppm)  
Projection - NAD 83 UTM Zone 09N  
Scale - 1: 20,000  
01/03/2010

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| Legend |                                       |
|--------|---------------------------------------|
| ▲      | Rocks - Fa - Au (ppb), ICP - Ag (ppm) |
| ▲      | 2009 Camp                             |
| +      | Minfile                               |
| —      | Observed                              |
| —      | Approximate                           |
| —      | River                                 |
| —      | Contour (20 m)                        |
| ■      | Water Body                            |
| ■      | 2009 Permanent Snow                   |
| ■      | NTS Permanent Snow                    |

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**Pictures**



Camp Location, looking SE



Terrain above camp, looking west.



**Intrusive plug at location of historic Wilson Claims, looking NE**



**Highly mineralized intrusive boulder, Sample AHOZR001**

## CONCLUSIONS

The target was identified due to its potential to host Intrusion related gold mineralization and polymetallic veining. There are anomalous silt samples in Au-Ag-Cu-As-Pb that are derived from both the pluton and the surrounding sediments. Most of these anomalous values are concentrated in the SE zone of the pluton. The numerous glaciers in the target area have receded compared to the previous mapped extent of them but not by very much. They remain a formidable obstacle to exploration efforts in the area, however beautiful they may be.

The exploration program did result in some interesting discoveries including a highly mineralized intrusive float boulder that returned anomalous values for Au, Ag, Pb, Cu and Zn. This sample could not be followed up due to the glacier and difficult terrain surrounding it. There was minor quartz veining discovered in the bowl east of camp but the extent of the veining was limited and the mineralization was limited to pyrite and rare molybdenite. There wasn't any visible alteration assemblages within the sedimentary units surrounding the intrusive that would indicate a large mineralizing system.

## RECOMMENDATIONS

No further work is recommended on the target area. One would have to wait until the glaciers recede more significantly (which may happen sooner than later judging by how much melting was observed). This would make working in the area much more accessible and could reveal the mineralization we were seeking.



**Appendix I – Statement of Qualifications**

**AARON A. HIGGS, B. Sc.**

I, Aaron Ashwell Higgs, B.Sc. do hereby certify that:

I am currently employed as a Project Geologist by Bootleg Exploration Inc., with business location of Suite 200, 16-11<sup>th</sup> Ave S., Cranbrook, BC, V1C 2P1 (Telephone: 250-426-0749, email: [aah@eagleplains.com](mailto:aah@eagleplains.com))

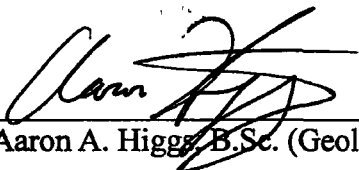
I graduated with a B.Sc. degree in Geology from the University of British Columbia in 2005.

I have worked as a Geologist in Western Canada for 4 years since my graduation from university.

I am responsible for the preparation of this Technical Report entitled "YMIP Technical Report on the Outer Zn Project."

Dated at Cranbrook, British Columbia, Canada this 16th day of March, 2010.

Respectfully submitted

  
\_\_\_\_\_  
Aaron A. Higgs, B.Sc. (Geol)

**Appendix II – Statement of Expenditures**

| <b>Focused Regional Program: Outer ZnK Project (YMIP# 09-034)</b> |                                                                        |                     |
|-------------------------------------------------------------------|------------------------------------------------------------------------|---------------------|
| <b>2009 Expenditures</b>                                          |                                                                        |                     |
| 1                                                                 | <i>no daily living allowance , accept actual expenses instead</i>      |                     |
| 2                                                                 | <b>Travel</b>                                                          |                     |
|                                                                   | Truck Rental                                                           | \$500.00            |
|                                                                   | Truck (478 km @ \$ 0.30 /km)                                           | \$143.40            |
|                                                                   | Helicopter                                                             | \$6,289.00          |
| 3                                                                 | <b>Analyses / Assay Costs</b>                                          | \$479.86            |
|                                                                   | Other Expenses (groceries, fuel, field consumables, freight)           | \$1,241.89          |
|                                                                   | 15% Handling fees                                                      | \$343.70            |
| 4                                                                 | <b>Equipment Rentals / Supplies</b>                                    |                     |
|                                                                   | Niton XRF                                                              | \$1,875.00          |
|                                                                   | Field supplies for crew, GPS, pack, vests, first aid, palm, hammer (5) | \$875.00            |
|                                                                   | Hand Held Radios (5)                                                   | \$250.00            |
|                                                                   | Computer (2)                                                           | \$100.00            |
|                                                                   | Printer                                                                | \$50.00             |
|                                                                   | Sat. phone (2)                                                         | \$150.00            |
|                                                                   | 5-ton enclosed trailer                                                 | \$500.00            |
|                                                                   | Chain Saw                                                              | \$50.00             |
|                                                                   | Small Gas Generator                                                    | \$225.00            |
|                                                                   | Large Gas Generator                                                    | \$300.00            |
|                                                                   | Camp Rental                                                            | \$750.00            |
|                                                                   | Shot Guns (2)                                                          | \$100.00            |
|                                                                   | Digital Cameras (2)                                                    | \$100.00            |
|                                                                   | Satellite Internet                                                     | \$50.00             |
|                                                                   | <b>Wages for field work</b>                                            |                     |
|                                                                   | Aaron Higgs, Project Geologist                                         | \$2,500.00          |
|                                                                   | Bronwyn Wallace, Senior Geologist                                      | \$2,250.00          |
|                                                                   | Glen Hendrickson, GIS Technician                                       | \$2,250.00          |
|                                                                   | Nathan Taylor, Geological Technician                                   | \$1,875.00          |
|                                                                   | Lewis Jones, Geological Technician                                     | \$1,750.00          |
| 13                                                                | <b>Report Preparation, data analysis and compilation</b>               |                     |
|                                                                   | Aaron Higgs, Project Geologist                                         | \$1,250.00          |
|                                                                   | Glen Hendrickson, GIS Technician                                       | \$1,350.00          |
| <b>TOTAL EXPENSES</b>                                             |                                                                        | <b>\$ 27,597.85</b> |

**Appendix III – Geochemical Protocol**

**3.1 Field Sampling Techniques**

**3.2 Analytical Procedures**

### **Appendix 3.1 Field Sampling Techniques**

Rock samples were collected in the field by placing 1-3 kg of material in heavy grade plastic sample bags with the sample number written on both sides in permanent marker. Each sample bag was then sealed with a plastic cable tie and samples were transported back to camp at the end of each day. A representative piece of each sample was often collected and returned to camp for further examination in the event of an interesting or exceptional analytical result.

Soil samples were collected from the B-horizon wherever possible. Silt samples were collected from active creeks whenever possible. Both soil and silt samples were placed and sealed into brown paper kraft bags. Samples were dried in the field daily, weather permitting. Relevant details pertaining to the soil and silt samples such as location parameters, depth, horizon, quality, were recorded by the sampler in the field.

Sample sites were marked in the field with orange or pink arctic-grade flagging and an aluminum tag, both having been marked with the appropriate sample number. Sample locations were determined by hand-held GPS set to report locations in UTM coordinates using the North American datum established in 1983 (NAD 83).

All surface geochemical samples were collected by company geologists or sampling technician employees trained by Bootleg staff geologists. At the end of each day samples were organized, dried and catalogued and then placed in poly woven "rice" bags. The samples were maintained as a single group before undergoing XRF analysis in the case of soils and silts or crushing and pulverizing at the Alex Stewart Group Prep lab in Whitehorse in the case of rocks before undergoing XRF analysis.

## 3.2 Analytical Procedures

Eco Tech Laboratory Limited  
10041 Dallas Drive  
Kamloops, British Columbia  
V2C 6T4  
Tel + 250 573 5700  
Tel + 1 877 573 5755  
Fax + 250 573 4557  
www.stewartgroupglobal.com



**StewartGroup**  
Geochemical & Assay

## Analytical Procedure Assessment Report

Eco Tech Laboratory Ltd. is registered for ISO 9001:2008 by QMI Quality registrars for the "provision of assay, geochemical and environmental analytical services". Eco Tech also Participates in The Canadian Certified Reference Materials Project (CCRMP) testing program annually.

### SAMPLE PREPARATION

Samples (minimum sample size 250g) are catalogued and logged into the sample-tracking database. During the logging in process, samples are checked for spillage and general sample integrity. It is verified that samples match the sample shipment requisition provided by the clients. The samples are transferred into a drying oven and dried.

Soils are prepared by sieving through an 80-mesh screen to obtain a minus 80-mesh fraction. Samples unable to produce adequate minus 80-mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh.

Rock samples are crushed on a Terminator jaw crusher to -10 mesh ensuring that 70% passes through a Tyler 10 mesh screen.

Every 35 samples a re-split is taken using a riffle splitter to be tested to ensure the homogeneity of the crushed material.

A 250 gram sub sample of the crushed material is pulverized on a ring mill pulverizer ensuring that 95% passes through a -150 mesh screen. The sub sample is rolled, homogenized and bagged in a pre-numbered bag.

A barren gravel blank is prepared before each job in the sample prep to be analyzed for trace contamination along with the processed samples.

### ASSAY GOLD ANALYSIS (BAUFA-32)

A 30 g sample size is fire assayed along with certified reference materials using appropriate fluxes. The flux used is pre-mixed, purchased from Anachemia which contains Cookson Granular Litharge. (Silver and Gold Free). The ratios are 66% Litharge, 24% Sodium Carbonate, 2.7% Borax, 7.3% Silica. (These charges may be adjusted with borax or silica based on the sample). Flux weight per fusion is 120g. Purified Silver Nitrate is used for inquartation. The resultant dore bead is parted and then digested with nitric and hydrochloric acid solutions and then analyzed on an atomic absorption instrument (Perkin Elmer/Thermo S-Series AA instrument). Gold detection limit on AA is 0.03-100 g/t. Any gold samples over 100g/t will be run using a gravimetric analysis protocol.

Appropriate certified reference material and repeat/re-split samples (Quality Control Components) accompany the samples on the data sheet for quality control assessment





## TRACE ICP-MS ANALYSIS (BMS-11)



Samples are digested in an aqua regia solution for 45 minutes. They are bulked with de-ionized water, and an aliquot of this is taken for analysis a Thermo Scientific X series II ICP-MS unit. All synthetic standards are purchased and verified by 3 independent analysts and are used for instrument calibration before each and every ICP-MS run.

A 2-3 point standardization curve is used to check the linearity (high and low). Certified reference material is used to check the performance of the machine and to ensure that proper digestion occurred in the wet lab. QC samples are run along with the client samples to ensure no machine drift or instrumentation issues occurred during the analysis of the sample(s). Repeat samples (every 10 or less) and re-splits (every 35 or less) are also run to ensure proper weighing and digestion occurred.

Results are collated by computer and are printed along with accompanying quality control data (re-splits and standards). Results are printed on a laser printer and are faxed and or mailed to the client.

### Detection Limits:

|    |             |    |            |
|----|-------------|----|------------|
| Ag | 0.02-100    | Mo | 0.01-2000  |
| Al | 0.01-10%    | Na | 0.001-10%  |
| As | 0.1-10000   | Ni | 0.1-10000  |
| B  | 1-2000      | P  | 0.001-5%   |
| Ba | 0.5-10000   | Pb | 0.01-10000 |
| Bi | 0.02-2000   | S  | 0.02-10%   |
| Ca | 0.01-40%    | Sb | 0.02-2000  |
| Cd | 0.01-2000   | Sc | 0.1-100    |
| Co | 0.1-2000    | Se | 0.1-100    |
| Cr | 0.5-10000   | Sr | 0.5-10000  |
| Cu | 0.01-10000  | Te | 0.02-1000  |
| Fe | 0.01-40%    | Th | 0.1-2000   |
| Ga | 0.1-10000   | Ti | 0.001-10%  |
| Hg | 5-10000 ppb | Tl | 0.02-1000  |
| K  | 0.01-10%    | U  | 0.1-2000   |
| La | 0.5-10000   | V  | 2-10000    |
| Mg | 0.01-30%    | W  | 0.1-100    |
| Mn | 1-10000     | Zn | 0.1-10000  |

units are in ppm, unless otherwise stated



## GEOCHEM GOLD ANALYSIS (BAUFG-11)



A 15 g sample size is fire assayed along with certified reference materials using appropriate fluxes. The flux used is pre-mixed, purchased from Anachemia which contains Cookson Granular Litharge. (Silver and Gold Free). The ratios are 66% Litharge, 24% Sodium Carbonate, 2.7% Borax, 7.3% Silica. (These charges may be adjusted with borax or silica based on the sample). Flux weight per fusion is 120g. Purified Silver Nitrate is used for inquartation. The resultant dore bead is parted and then digested with nitric and hydrochloric acid solutions and then analyzed on an atomic absorption instrument (Perkin Elmer/Thermo S-Series AA instrument).

Over-range geochem values (Detection limit 5-1000ppb) for rocks are re-analyzed using gold assay methods (see below).

Appropriate certified reference material and repeat/re-split samples (Quality Control Components) accompany the samples on the data sheet for quality control assessment.

 **MULTI-ELEMENT ICP-AES ANALYSIS (BICP-11)** 

A 0.5 gram sample is digested with a 3:1:2 (HCl: HNO<sub>3</sub>: H<sub>2</sub>O ) solution in a water bath at 95°C. The sample is then diluted to 10ml with water. All solutions used during the digestion process contain beryllium, which acts as an internal standard for the ICP run. The sample is analyzed on a Thermo IRIS Intrepid II XSP ICP unit. Certified reference material is used to check the performance of the machine and to ensure that proper digestion occurred in the wet lab. QC samples are run along with the client samples to ensure no machine drift occurred or instrumentation issues occurred during the run procedure. Repeat samples (every batch of 10 or less) and re-splits (every batch of 35 or less) are also run to ensure proper weighing and digestion occurred.

Results are collated by computer and are printed along with accompanying quality control data (repeats, re-splits, and standards). Any of the base metal elements (Ag, Cu, Pb, Zn) that are over limit (>1.0%) are immediately run as an ore grade assay (procedure included in this document).

**ICP-AES Detection Limits:**

|           |               |           |              |
|-----------|---------------|-----------|--------------|
| <b>Ag</b> | <b>0.2ppm</b> | <b>Mo</b> | <b>1ppm</b>  |
| <b>Al</b> | <b>0.01%</b>  | <b>Na</b> | <b>0.01%</b> |
| <b>As</b> | <b>5ppm</b>   | <b>Ni</b> | <b>1ppm</b>  |
| <b>Ba</b> | <b>5ppm</b>   | <b>P</b>  | <b>10ppm</b> |
| <b>Bi</b> | <b>5ppm</b>   | <b>Pb</b> | <b>2ppm</b>  |
| <b>Ca</b> | <b>0.01%</b>  | <b>Sb</b> | <b>5ppm</b>  |
| <b>Cd</b> | <b>1ppm</b>   | <b>Sn</b> | <b>20ppm</b> |
| <b>Co</b> | <b>1ppm</b>   | <b>Sr</b> | <b>1ppm</b>  |
| <b>Cr</b> | <b>1ppm</b>   | <b>Ti</b> | <b>0.01%</b> |
| <b>Cu</b> | <b>1ppm</b>   | <b>U</b>  | <b>10ppm</b> |
| <b>Fe</b> | <b>0.01%</b>  | <b>V</b>  | <b>1ppm</b>  |
| <b>La</b> | <b>10ppm</b>  | <b>W</b>  | <b>10ppm</b> |
| <b>Mg</b> | <b>0.01%</b>  | <b>Y</b>  | <b>1ppm</b>  |
| <b>Mn</b> | <b>1ppm</b>   | <b>Zn</b> | <b>1ppm</b>  |

 **SILVER ORE GRADE ASSAY (AQUA REGIA DIGEST) (BAGFA-40)** 

Samples and standards undergo an oxidizing digestion in 200 ml phosphoric flasks with final solution in aqua regia solution. Appropriate standards and repeat/re-split samples (Quality Control Components) accompany the samples on the data sheet.

The digested solutions are made to volume with RO water and allowed to settle. An aliquot of the sample is analyzed on a Perkin Elmer/Thermo S-Series AA instrument. (Detection limit 0.01 % AA)

Instrument calibration is done by verified synthetic standards, which have undergone the same digestion procedure as the samples. Standards used narrowly bracket the absorbance value of the sample for maximum precision.

Results are collated and are printed along with accompanying quality control data (repeats, re-splits, and standards). Results are emailed, faxed or mailed to the clients.

**Appendix IV – Sample Locations and Descriptions**

**4.1 Rock Samples**

### Appendix 4.1 - Rock Sample Locations and Descriptions

| Sample Number | Sampler | Date (m/d/y) | UTM - East | UTM - North | Channel (m) | Channel (Az) | Map Unit | Rock Type - Major | Rock Type - Minor | Colour - Fresh | Colour - Weathered | Grain Size    | Texture | Metamorphic Indicator | Mineralization - Major | Mineralization - Minor | Mineralization Style | Min. % | Alteration | Alt. Degree | Rock Description |
|---------------|---------|--------------|------------|-------------|-------------|--------------|----------|-------------------|-------------------|----------------|--------------------|---------------|---------|-----------------------|------------------------|------------------------|----------------------|--------|------------|-------------|------------------|
| AHOZR001      | AH      | 28/07/2009   | 439060     | 6974755     |             |              |          | granodiorite      |                   | grey           | rusty              | medium        |         |                       |                        |                        |                      | 0      |            | 0           |                  |
| BWOZR001      | BW      | 30/07/2009   | 441150     | 6974415     |             |              |          | Mudstone          |                   | dark           | rusty              | fine          | bedded  |                       |                        |                        |                      | 0      |            |             |                  |
| BWOZR002      | BW      | 30/07/2009   | 441366     | 6973900     |             |              |          | Mudstone          |                   | dark           | rusty              | fine          | bedded  |                       |                        |                        |                      | 0      |            |             |                  |
| LJOZR001      | LJ      | 28/07/2009   | 439638     | 6973873     |             |              |          | granite           |                   |                |                    |               |         |                       | py                     | cpy                    | Blebbly              |        |            |             |                  |
| LJOZR002      | LJ      | 28/07/2009   | 439209     | 6973334     |             |              |          | quartz wacke      |                   | blue           |                    |               |         |                       | po                     |                        | Blebbly              |        |            |             |                  |
| LJOZR003      | LJ      | 30/07/2009   | 441288     | 6974911     |             |              |          | siltstone         |                   | blue           |                    | fine          |         |                       | py                     |                        | Disseminated         |        |            |             |                  |
| LJOZR004      | LJ      | 29/07/2009   | 441885     | 6975170     |             |              |          | Granodiorite      |                   | beige          | greyish            | fine-medium   |         |                       |                        |                        |                      | 0      |            |             |                  |
| LJOZR005      | LJ      | 31/07/2009   | 439989     | 6975981     |             |              |          | granodiorite      |                   |                |                    | medium-coarse |         |                       | po                     |                        |                      |        |            |             |                  |
| LJOZR006      | LJ      | 31/07/2009   | 440183     | 6976114     |             |              |          | granodiorite      |                   |                |                    | coarse        |         |                       | po                     |                        |                      |        |            |             |                  |

**Appendic V – Analytical Certificates**

**5.1 Rock Samples**

## 5.1 Rock Samples

Eco Tech Laboratory Ltd.  
2953 Shuswap Road  
Kamloops, BC  
V2H 1S9 Canada  
T +1 250 573 5700  
F +1 250 573 4557  
F +1 877 573 5755



**StewartGroup**  
Geochemical & Assay

## CERTIFICATE OF ASSAY AK 2010-0015-2

**BOOTLEG EXPLORATION INC.**  
#200, 16-11TH Ave S.  
**Cranbrook, BC**  
V1C 2P1

3-Feb-10

*No. of samples received: 9*  
*Sample Type: Rock*  
**Project: OZ**  
**Shipment #: OZ09-002**  
*Submitted by: Chris Gallagher*

| ET #. | Tag #  | Mo (%) |
|-------|--------|--------|
| 4     | 8105-6 | 0.420  |

**QC DATA:**

**Standard:**

MP-2

0.281

NM/nw  
XLS/10

**ECO TECH LABORATORY LTD.**  
Norman Monteith  
B.C. Certified Assayer



2-Feb-10

Stewart Group  
ECO TECH LABORATORY LTD.  
10041 Dallas Drive  
KAMLOOPS, B.C.  
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2010-0015

BOOTLEG EXPLORATION INC.  
#200, 16-11TH Ave S.  
Cranbrook, BC  
V1C 2P1

Phone. 250-573-5700  
Fax · 250-573-4557

No. of samples received: 9  
Sample Type: Rock  
Project: OZ  
Shipment #: OZ09-002  
Submitted by: Chris Gallagher

Values in ppm unless otherwise reported

| Et #. | Tag #   | Ag   | Al % | As | Ba  | Bi  | Ca %  | Cd | Co  | Cr  | Cu  | Fe % | La  | Mg %  | Mn   | Mo   | Na %  | Ni  | P    | Pb   | Sb | Sn  | Sr | Ti %  | U   | V  | W   | Y  | Zn   |
|-------|---------|------|------|----|-----|-----|-------|----|-----|-----|-----|------|-----|-------|------|------|-------|-----|------|------|----|-----|----|-------|-----|----|-----|----|------|
| 1     | 8105-1  | >30  | 0.27 | 20 | 10  | 110 | 0.70  | 35 | 29  | 49  | 959 | >10  | <10 | 0.66  | 833  | <1   | 0.08  | 7   | 270  | 6464 | 10 | <20 | 64 | <0.01 | <10 | 8  | 10  | 4  | 1333 |
| 2     | 8105-2  | 0.2  | 0.04 | <5 | 20  | <5  | <0.01 | <1 | <1  | 236 | 4   | 0.28 | <10 | <0.01 | 20   | 504  | 0.01  | 6   | <10  | 8    | <5 | <20 | <1 | <0.01 | <10 | 3  | <10 | <1 | 7    |
| 3     | 8105-4  | 0.4  | 2.62 | 35 | 45  | <5  | 0.77  | 2  | 82  | 67  | 338 | 6.47 | 30  | 1.29  | 435  | 14   | 0.12  | 188 | 1070 | 18   | <5 | <20 | 54 | 0.12  | <10 | 83 | <10 | 6  | 44   |
| 4     | 8105-6  | <0.2 | 0.04 | 10 | 30  | <5  | <0.01 | <1 | <1  | 211 | 4   | 0.31 | <10 | 0.01  | 18   | 4235 | <0.01 | 6   | <10  | <2   | <5 | <20 | <1 | <0.01 | <10 | 4  | <10 | <1 | <1   |
| 5     | 8105-8  | <0.2 | 1.15 | <5 | 60  | <5  | 4.75  | <1 | 4   | 50  | 29  | 2.28 | 40  | 0.30  | 5091 | 8    | 0.02  | 2   | 590  | 10   | <5 | 60  | 91 | 0.02  | <10 | 12 | <10 | 15 | 43   |
| 6     | 8105-9  | 2.2  | 0.32 | <5 | 975 | <5  | 0.03  | 12 | 1   | 141 | 25  | 0.61 | <10 | <0.01 | 71   | 2    | 0.04  | 11  | <10  | 864  | <5 | <20 | 7  | <0.01 | 30  | 2  | <10 | 9  | 447  |
| 7     | 8105-10 | 0.6  | 0.71 | 5  | 20  | <5  | 1.28  | 3  | 46  | 45  | 157 | 5.66 | 10  | 0.24  | 1809 | <1   | 0.02  | 108 | 520  | 10   | <5 | <20 | 70 | 0.02  | <10 | 8  | <10 | 8  | 104  |
| 8     | 8105-11 | 2.6  | 2.38 | 30 | 10  | <5  | 1.02  | 5  | 100 | 67  | 352 | >10  | <10 | 0.34  | 80   | <1   | 0.04  | 316 | 260  | 24   | 10 | <20 | 42 | 0.04  | <10 | 26 | <10 | 2  | 27   |
| 9     | 8105-12 | >30  | 0.14 | 50 | 20  | 45  | 0.38  | 15 | 12  | 107 | 242 | 5.73 | <10 | 0.13  | 399  | 4    | 0.02  | 64  | 560  | 4716 | 20 | 240 | 16 | <0.01 | <10 | 9  | <10 | 5  | 364  |

QC DATA:

Repeat:

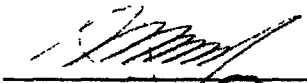
|   |        |     |      |    |    |     |      |    |    |    |     |     |     |      |     |    |      |   |     |      |    |     |    |       |     |   |    |   |      |
|---|--------|-----|------|----|----|-----|------|----|----|----|-----|-----|-----|------|-----|----|------|---|-----|------|----|-----|----|-------|-----|---|----|---|------|
| 1 | 8105-1 | >30 | 0.27 | 20 | 10 | 110 | 0.71 | 35 | 28 | 48 | 938 | >10 | <10 | 0.65 | 842 | <1 | 0.07 | 7 | 280 | 6512 | 10 | <20 | 63 | <0.01 | <10 | 8 | 10 | 4 | 1349 |
|---|--------|-----|------|----|----|-----|------|----|----|----|-----|-----|-----|------|-----|----|------|---|-----|------|----|-----|----|-------|-----|---|----|---|------|

Standard:

|        |  |      |      |   |    |    |      |    |   |    |      |      |     |      |     |   |      |   |     |      |    |     |    |      |     |    |     |   |      |
|--------|--|------|------|---|----|----|------|----|---|----|------|------|-----|------|-----|---|------|---|-----|------|----|-----|----|------|-----|----|-----|---|------|
| Pb129a |  | 11.8 | 0.87 | 5 | 65 | <5 | 0.44 | 56 | 6 | 12 | 1442 | 1.57 | <10 | 0.71 | 347 | 2 | 0.03 | 5 | 410 | 6218 | 15 | <20 | 32 | 0.03 | <10 | 20 | <10 | 2 | 9975 |
|--------|--|------|------|---|----|----|------|----|---|----|------|------|-----|------|-----|---|------|---|-----|------|----|-----|----|------|-----|----|-----|---|------|

ICP: Aqua Regia Digest/ICP AES Finish

Ag: Aqua Regia Digest/AA Finish



ECO TECH LABORATORY LTD.  
Norman Monteith  
B.C. Certified Assayer

NM/nw  
dl/2\_12S  
XLS/10

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**StewartGroup**  
 Geochemical & Assay

**CERTIFICATE OF ASSAY AK 2010-0015**

**BOOTLEG EXPLORATION INC.**  
 #200, 16-11TH Ave S.  
 Cranbrook, BC  
 V1C 2P1

19-Jan-10

*No. of samples received: 9*  
*Sample Type: Rock*  
*Project: OZ*  
*Shipment #: OZ09-002*  
*Submitted by: Chris Gallagher*

| ET #. | Tag #   | Au<br>(g/t) | Au<br>oz/t) | Ag<br>(g/t) | Ag<br>oz/t) |
|-------|---------|-------------|-------------|-------------|-------------|
| 1     | 8105-1  | 0.22        | 0.006       | 68.9        | 2.01        |
| 2     | 8105-2  | 0.04        | 0.001       | 0.2         | 0.01        |
| 3     | 8105-4  | 0.03        | 0.001       | 0.4         | 0.01        |
| 4     | 8105-6  | <0.03       | <0.001      | <0.2        | <0.01       |
| 5     | 8105-8  | 0.03        | 0.001       | <0.2        | <0.01       |
| 6     | 8105-9  | <0.03       | <0.001      | 2.2         | 0.06        |
| 7     | 8105-10 | <0.03       | <0.001      | 0.6         | 0.02        |
| 8     | 8105-11 | 0.09        | 0.003       | 2.6         | 0.08        |
| 9     | 8105-12 | 0.03        | 0.001       | 36.2        | 1.06        |

**QC DATA:**

**Repeat:**

|   |        |      |       |      |      |
|---|--------|------|-------|------|------|
| 1 | 8105-1 |      |       | 68.8 | 2.01 |
| 2 | 8105-2 | 0.03 | 0.001 |      |      |

**Standard:**

|       |      |       |      |      |
|-------|------|-------|------|------|
| OxI67 | 1.82 | 0.053 |      |      |
| Pb129 |      |       | 22.9 | 0.67 |
| Pb104 |      |       | 106  | 3.09 |

**ECO TECH LABORATORY LTD.**

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NM/nw  
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**StewartGroup**  
Geochemical & Assay

## CERTIFICATE OF ANALYSIS AK 2010-0078

**BOOTLEG EXPLORATION INC.**  
#200, 16-11TH Ave S.  
**Cranbrook, BC**  
V1C 2P1

3-Feb-10

*No. of samples received: 67*  
*Sample Type: Pulps*  
**Shipment #: YIMP10-001**  
*Submitted by: Chris Gallagher*

| ET #. | Tag #   | Au<br>ppb |
|-------|---------|-----------|
| 1     | 8087-1  | 5         |
| 2     | 8087-2  | <5        |
| 3     | 8087-3  | 25        |
| 4     | 8087-4  | 5         |
| 5     | 8087-6  | <5        |
| 6     | 8087-7  | <5        |
| 7     | 8087-8  | <5        |
| 8     | 8087-10 | <5        |
| 9     | 8087-11 | 5         |
| 10    | 8087-12 | 5         |
| 11    | 8087-13 | <5        |
| 12    | 8087-14 | 10        |
| 13    | 8087-15 | 10        |
| 14    | 8087-16 | 15        |
| 15    | 8087-17 | 80        |
| 16    | 8088-1  | 20        |
| 17    | 8088-2  | >1000     |
| 18    | 8088-3  | 20        |
| 19    | 8088-4  | 15        |
| 20    | 8088-5  | 10        |
| 21    | 8088-6  | 65        |
| 22    | 8088-7  | 5         |
| 23    | 8088-10 | 35        |
| 24    | 8088-12 | 10        |
| 25    | 8088-14 | <5        |
| 26    | 8088-15 | 5         |
| 27    | 8088-16 | 30        |
| 28    | 8088-17 | 5         |
| 29    | 8088-18 | 5         |

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**StewartGroup**  
Geochemical & Assay

**BOOTLEG EXPLORATION INC. AK10-0078**

3-Feb-10

| <b>ET #.</b> | <b>Tag #</b> | <b>Au<br/>ppb</b> |
|--------------|--------------|-------------------|
| 30           | 8088-19      | <5                |
| 31           | 8088-20      | 10                |
| 32           | 8088-21      | 15                |
| 33           | 8088-22      | <5                |
| 34           | 8088-23      | 65                |
| 35           | 8088-24      | 15                |
| 36           | 8088-25      | 5                 |
| 37           | 8088-26      | <5                |
| 38           | 8088-28      | <5                |
| 39           | 8088-29      | <5                |
| 40           | 8101-1       | 5                 |
| 41           | 8101-4       | <5                |
| 42           | 8101-7       | 45                |
| 43           | 8101-11      | <5                |
| 44           | 8104-1       | <5                |
| 45           | 8104-2       | 5                 |
| 46           | 8104-3       | 5                 |
| 47           | 8104-4       | 5                 |
| 48           | 8104-5       | <5                |
| 49           | 8104-7       | 10                |
| 50           | 8104-8       | <5                |
| 51           | 8104-12      | 5                 |
| 52           | 8104-14      | <5                |
| 53           | 8104-17      | <5                |
| 54           | 8104-19      | 20                |
| 55           | 8105-3       | 10                |
| 56           | 8105-5       | 10                |
| 57           | 8105-7       | 5                 |
| 58           | 8106-1       | 5                 |
| 59           | 8106-2       | 10                |
| 60           | 8106-3       | <5                |
| 61           | 8106-4       | <5                |
| 62           | 8106-5       | 10                |
| 63           | 8106-6       | <5                |
| 64           | 8106-7       | 5                 |
| 65           | 8106-8       | <5                |
| 66           | 8106-10      | 5                 |
| 67           | 8106-11      | <5                |

**QC DATA:**

***Repeat:***

|    |         |    |
|----|---------|----|
| 1  | 8087-1  | <5 |
| 10 | 8087-12 | 5  |
| 15 | 8087-17 | 60 |
| 20 | 8088-5  | 5  |

Eco Tech Laboratory Ltd.  
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**StewartGroup**  
Geochemical & Assay

**BOOTLEG EXPLORATION INC. AK10-0078**

3-Feb-10

| ET #. | Tag #   | Au<br>ppb |
|-------|---------|-----------|
| 21    | 8088-6  | 70        |
| 28    | 8088-17 | <5        |
| 34    | 8088-23 | 70        |
| 40    | 8101-1  | 5         |
| 45    | 8104-2  | 10        |
| 54    | 8104-19 | 15        |
| 63    | 8106-6  | <5        |

**Standard:**

|       |     |
|-------|-----|
| OXE74 | 635 |
| OXE74 | 630 |

**FA Geochem/AA Finish**

NM/nw  
XLS/10

  
**ECO TECH LABORATORY LTD.**  
Norman Monteith  
B.C. Certified Assayer

Eco Tech Laboratory Ltd.  
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**StewartGroup**  
Geochemical & Assay

## CERTIFICATE OF ASSAY AK 2010-0078

**BOOTLEG EXPLORATION INC.**  
#200, 16-11TH Ave S.  
**Cranbrook, BC**  
V1C 2P1

4-Feb-10

*No. of samples received: 67*  
*Sample Type: Pulps*  
**Shipment #: YIMP10-001**  
*Submitted by: Chris Gallagher*

| ET #. | Tag #  | Au<br>(g/t) | Au<br>oz/t) |
|-------|--------|-------------|-------------|
| 17    | 8088-2 | 1.16        | 0.034       |

**QC DATA:**

**Repeat:**

|    |        |      |       |
|----|--------|------|-------|
| 17 | 8088-2 | 1.08 | 0.031 |
|----|--------|------|-------|

**Standard:**

|       |  |      |       |
|-------|--|------|-------|
| OxI67 |  | 1.84 | 0.054 |
|-------|--|------|-------|

**ECO TECH LABORATORY LTD.**

Norman Monteith  
B.C. Certified Assayer

NM/nw  
XLS/10

4-Feb-10

Stewart Group  
ECO TECH LABORATORY LTD.  
10041 Dallas Drive  
KAMLOOPS, B.C.  
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2010-0078

BOOTLEG EXPLORATION INC.  
#200, 16-11TH Ave S.  
Cranbrook, BC  
V1C 2P1

Phone: 250-573-5700  
Fax : 250-573-4557

No of samples received: 67  
Sample Type: Pulps  
Shipment #: YIMP10-001  
Submitted by: Chris Gallagher

Values in ppm unless otherwise reported


| Et #. | Tag #   | Ag   | Al % | As  | Ba  | Bi   | Ca % | Cd | Co  | Cr  | Cu  | Fe % | La  | Mg % | Mn   | Mo | Na % | Ni  | P    | Pb  | Sb | Sn  | Sr  | Ti %  | U   | V   | W   | Y  | Zn  |
|-------|---------|------|------|-----|-----|------|------|----|-----|-----|-----|------|-----|------|------|----|------|-----|------|-----|----|-----|-----|-------|-----|-----|-----|----|-----|
| 1     | 8087-1  | 0.2  | 2.42 | <5  | 190 | <5   | 1.15 | <1 | 20  | 107 | 110 | 3.18 | <10 | 2 15 | 424  | 1  | 0.13 | 46  | 1430 | 10  | <5 | <20 | 138 | 0.20  | <10 | 109 | <10 | 7  | 78  |
| 2     | 8087-2  | <0.2 | 1.77 | <5  | 70  | <5   | 1.59 | <1 | 12  | 96  | 9   | 2.39 | <10 | 1 19 | 630  | 1  | 0.12 | 19  | 690  | 6   | <5 | <20 | 83  | 0.15  | <10 | 81  | <10 | 3  | 46  |
| 3     | 8087-3  | 11.4 | 0.34 | 10  | 15  | 1245 | 0.69 | <1 | 2   | 180 | 17  | 0.57 | <10 | 0.03 | 51   | <1 | 0.01 | 11  | 10   | 48  | 5  | <20 | 436 | <0.01 | <10 | 3   | <10 | <1 | 4   |
| 4     | 8087-4  | 0.3  | 1.80 | <5  | 20  | <5   | 1.13 | <1 | 44  | 190 | 443 | 4.71 | <10 | 1 08 | 198  | 1  | 0.21 | 205 | 1240 | 8   | <5 | <20 | 93  | 0.14  | <10 | 59  | <10 | 4  | 24  |
| 5     | 8087-6  | <0.2 | 1.73 | <5  | 40  | <5   | 3.44 | <1 | 38  | 441 | 85  | 2.63 | <10 | 3 90 | 408  | <1 | 0.01 | 557 | 810  | 2   | 5  | <20 | 345 | 0.02  | <10 | 46  | <10 | 2  | 20  |
| 6     | 8087-7  | <0.2 | 1.15 | <5  | 15  | <5   | 2.58 | <1 | 12  | 54  | 17  | 2.45 | <10 | 0 71 | 427  | 2  | 0.07 | 6   | 2320 | 4   | <5 | <20 | 42  | 0.14  | <10 | 57  | <10 | 10 | 51  |
| 7     | 8087-8  | <0.2 | 4.23 | <5  | 45  | <5   | 4.27 | <1 | 23  | 80  | 123 | 2.95 | <10 | 1.32 | 387  | 2  | 0.04 | 19  | 400  | 10  | <5 | <20 | 65  | 0.11  | <10 | 118 | <10 | 2  | 31  |
| 8     | 8087-10 | <0.2 | 3.72 | <5  | 295 | <5   | 2.12 | <1 | 18  | 285 | 25  | 2.94 | <10 | 4 80 | 557  | 2  | 0.18 | 240 | 890  | 10  | 5  | <20 | 139 | 0.18  | <10 | 95  | <10 | 5  | 72  |
| 9     | 8087-11 | 0.3  | 2.35 | <5  | 25  | <5   | 1.28 | 5  | 32  | 182 | 135 | 4.59 | <10 | 2 08 | 1018 | 1  | 0.20 | 100 | 1650 | 8   | <5 | <20 | 87  | 0.17  | <10 | 115 | <10 | 6  | 720 |
| 10    | 8087-12 | <0.2 | 1.46 | 20  | 70  | <5   | 0.67 | 6  | 108 | 84  | 87  | 3.71 | <10 | 1.01 | 1282 | 1  | 0.09 | 47  | 910  | 10  | <5 | <20 | 67  | 0.11  | <10 | 56  | <10 | 4  | 288 |
| 11    | 8087-13 | <0.2 | 2.83 | <5  | 40  | <5   | 2.15 | <1 | 39  | 185 | 93  | 3.88 | <10 | 2 95 | 502  | 2  | 0.20 | 116 | 1550 | 6   | <5 | <20 | 109 | 0.15  | <10 | 116 | <10 | 5  | 53  |
| 12    | 8087-14 | <0.2 | 0.88 | 75  | 25  | <5   | 2.48 | <1 | 13  | 222 | 7   | 1.00 | <10 | 1.47 | 384  | <1 | 0.02 | 120 | 400  | <2  | <5 | <20 | 80  | 0.07  | <10 | 41  | <10 | 3  | 23  |
| 13    | 8087-15 | <0.2 | 4.25 | <5  | 30  | <5   | 3.03 | <1 | 26  | 63  | 33  | 3.46 | <10 | 2 40 | 559  | 2  | 0.14 | 27  | 510  | 10  | <5 | <20 | 95  | 0.11  | <10 | 80  | <10 | 2  | 45  |
| 14    | 8087-16 | <0.2 | 2.84 | <5  | 55  | <5   | 1.37 | <1 | 20  | 48  | 310 | 3.41 | <10 | 1.73 | 292  | 2  | 0.34 | 39  | 1750 | 8   | <5 | <20 | 110 | 0.13  | <10 | 96  | <10 | 4  | 29  |
| 15    | 8087-17 | 8.0  | 0.08 | 15  | 15  | 135  | 0.13 | <1 | 4   | 218 | 6   | 0.40 | <10 | 0 07 | 70   | <1 | 0.01 | 46  | 10   | 14  | 5  | <20 | 74  | <0.01 | <10 | 6   | <10 | <1 | 6   |
| 16    | 8088-1  | 3.5  | 0.17 | <5  | 15  | 5    | 0.08 | 1  | 4   | 164 | 38  | 1.09 | <10 | 0 02 | 1383 | 9  | 0.01 | 5   | 150  | 182 | <5 | <20 | 9   | <0.01 | <10 | 4   | <10 | 3  | 190 |
| 17    | 8088-2  | 1.6  | 1.03 | 130 | 80  | <5   | 0.69 | <1 | 5   | 58  | 159 | 3.32 | 20  | 0.29 | 267  | 6  | 0.05 | 2   | 720  | 152 | 5  | <20 | 26  | <0.01 | <10 | 18  | <10 | 13 | 133 |
| 18    | 8088-3  | 0.2  | 1.60 | <5  | 60  | <5   | 0.48 | <1 | 4   | 56  | 15  | 2.17 | <10 | 0.48 | 504  | 3  | 0.14 | 4   | 580  | 16  | <5 | <20 | 72  | 0.02  | <10 | 23  | <10 | 4  | 104 |
| 19    | 8088-4  | <0.2 | 2.41 | 15  | 60  | <5   | 1.03 | <1 | 5   | 67  | 15  | 1.93 | <10 | 0.41 | 343  | 8  | 0.16 | 5   | 580  | 14  | <5 | <20 | 71  | <0.01 | <10 | 15  | <10 | 3  | 87  |
| 20    | 8088-5  | 0.6  | 1.62 | 20  | 10  | <5   | 1.94 | <1 | 28  | 89  | 84  | 5.90 | <10 | 2 05 | 1347 | <1 | 0.06 | 47  | 20   | 6   | 10 | <20 | 51  | 0.27  | <10 | 211 | <10 | 4  | 27  |
| 21    | 8088-6  | 0.2  | 1.19 | 35  | 70  | <5   | 0.20 | <1 | <1  | 65  | 17  | 2.14 | <10 | 0.44 | 107  | 1  | 0.04 | 4   | 680  | 12  | 10 | <20 | 44  | <0.01 | <10 | 8   | <10 | 2  | 30  |
| 22    | 8088-7  | <0.2 | 0.74 | 45  | <5  | <5   | 6.81 | <1 | 16  | 98  | 40  | 3.84 | <10 | 1.35 | 662  | <1 | 0.02 | 19  | 40   | 4   | <5 | <20 | 63  | 0.13  | <10 | 127 | <10 | 4  | 27  |
| 23    | 8088-10 | 0.3  | 2.21 | <5  | 65  | <5   | 1.38 | <1 | 4   | 62  | 61  | 1.70 | 10  | 0.23 | 301  | 2  | 0.25 | 3   | 620  | 18  | <5 | <20 | 147 | 0.04  | <10 | 22  | <10 | 4  | 45  |
| 24    | 8088-12 | <0.2 | 1.24 | 55  | 10  | <5   | >10  | <1 | 23  | 140 | 14  | 5.47 | <10 | 1.80 | 1091 | 2  | 0.02 | 26  | 50   | 6   | <5 | <20 | 91  | 0.13  | <10 | 159 | <10 | 5  | 62  |
| 25    | 8088-14 | <0.2 | 0.52 | 70  | <5  | <5   | 5.62 | <1 | 17  | 144 | 4   | 4.59 | <10 | 0.67 | 536  | <1 | 0.02 | 31  | 30   | <2  | <5 | <20 | 70  | 0.09  | <10 | 121 | <10 | 3  | 15  |





| Et #.            | Tag #   | Ag   | Al % | As | Ba  | Bi | Ca % | Cd | Co  | Cr  | Cu   | Fe % | La  | Mg % | Mn   | Mo | Na % | Ni | P    | Pb   | Sb | Sn  | Sr  | Ti %  | U   | V   | W   | Y | Zn   |
|------------------|---------|------|------|----|-----|----|------|----|-----|-----|------|------|-----|------|------|----|------|----|------|------|----|-----|-----|-------|-----|-----|-----|---|------|
| <b>QC DATA:</b>  |         |      |      |    |     |    |      |    |     |     |      |      |     |      |      |    |      |    |      |      |    |     |     |       |     |     |     |   |      |
| <b>Repeat:</b>   |         |      |      |    |     |    |      |    |     |     |      |      |     |      |      |    |      |    |      |      |    |     |     |       |     |     |     |   |      |
| 1                | 8087-1  | 0.2  | 2.49 | <5 | 195 | <5 | 1.19 | <1 | 20  | 109 | 113  | 3.25 | <10 | 2.16 | 435  | 1  | 0.14 | 47 | 1450 | 8    | <5 | <20 | 148 | 0.21  | <10 | 111 | <10 | 7 | 74   |
| 10               | 8087-12 | <0.2 | 1.51 | 20 | 70  | <5 | 0.66 | 6  | 106 | 81  | 88   | 3.53 | <10 | 1.04 | 1254 | 1  | 0.09 | 46 | 920  | 10   | <5 | <20 | 69  | 0.11  | <10 | 55  | <10 | 4 | 277  |
| 19               | 8088-4  | <0.2 | 2.40 | 15 | 55  | <5 | 1.04 | <1 | 5   | 69  | 15   | 1.96 | <10 | 0.41 | 352  | 8  | 0.16 | 5  | 580  | 14   | <5 | <20 | 71  | <0.01 | <10 | 15  | <10 | 3 | 88   |
| 28               | 8088-17 | 0.2  | 0.90 | <5 | 60  | <5 | 0.14 | <1 | 4   | 62  | 48   | 2.00 | <10 | 0.55 | 311  | 25 | 0.06 | 3  | 530  | 6    | <5 | <20 | 39  | 0.13  | <10 | 35  | <10 | 3 | 54   |
| 36               | 8088-25 | 0.8  | 1.26 | 5  | 60  | <5 | 0.93 | 4  | 6   | 63  | 74   | 2.09 | 10  | 0.57 | 516  | 2  | 0.11 | 4  | 630  | 24   | <5 | <20 | 43  | 0.02  | <10 | 27  | <10 | 6 | 117  |
| 45               | 8104-2  | <0.2 | 2.87 | <5 | 25  | <5 | 5.18 | <1 | 32  | 57  | 159  | 5.42 | <10 | 2.39 | 793  | 2  | 0.04 | 42 | 1430 | 8    | <5 | <20 | 66  | 0.36  | <10 | 104 | <10 | 6 | 70   |
| 54               | 8104-19 | 0.3  | 4.50 | 15 | 50  | <5 | 3.71 | <1 | 39  | 141 | 198  | 5.13 | <10 | 2.31 | 341  | 4  | 0.07 | 89 | 1680 | 18   | <5 | <20 | 118 | 0.15  | <10 | 90  | <10 | 6 | 81   |
| <b>Standard:</b> |         |      |      |    |     |    |      |    |     |     |      |      |     |      |      |    |      |    |      |      |    |     |     |       |     |     |     |   |      |
| Pb129a           |         | 11.3 | 0.82 | 5  | 50  | <5 | 0.44 | 54 | 5   | 10  | 1422 | 1.50 | <10 | 0.67 | 334  | 3  | 0.03 | 5  | 410  | 6178 | 15 | <20 | 25  | 0.04  | <10 | 14  | <10 | 2 | 9936 |
| Pb129a           |         | 11.8 | 0.83 | 5  | 55  | <5 | 0.46 | 59 | 5   | 10  | 1439 | 1.50 | <10 | 0.71 | 334  | 3  | 0.03 | 5  | 440  | 6158 | 15 | <20 | 27  | 0.04  | <10 | 14  | <10 | 2 | 9923 |

ICP: Aqua Regia Digest/ICP AES Finish  
 Ag: Aqua Regia Digest/AA Finish

  
 ECO TECH LABORATORY LTD.  
 Norman Monteith  
 B.C. Certified Assayer

NM/nw  
 dt/2\_78s  
 XLS/10

| Sample # | Lab Analysis # |
|----------|----------------|
| AHOZR001 | 8105-1         |
| AHOZR002 | 8105-2         |
| BWOZR001 | 8105-9         |
| BWOZR002 | 8105-10        |
| LJOZR001 | 8105-3         |
| LJOZR002 | 8105-4         |
| LJOZR003 | 8105-5         |
| LJOZR004 | 8105-6         |
| LJOZR005 | 8105-7         |
| LJOZR006 | 8105-8         |
| NTOZR001 | 8105-11        |
| NTOZR002 | 8105-12        |

**Appendix VI – Bedrock Geologic Mapping**

**6.1 Station Locations**

**6.2 Lithology**

**6.3 Structure**

## Appendix 6.1 - 2006 Field Mapping Stations

| Station Number | Date (dd/mm/yyyy) | Type    | Elevation (m) | Easting (m) | Northing (m) | Location Method | GPS Accuracy (m) | Comments                                                                                                                                                                                                                                                 |
|----------------|-------------------|---------|---------------|-------------|--------------|-----------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AHOZG001       | 28/07/2009        | FLOAT   |               | 439060      | 6974755      | GPS             | 15               | boulder at toe of glacier, diss and veins of py-po-gn+/-cpx, strong on fracture surfaces                                                                                                                                                                 |
| AHOZG002       | 29/07/2009        | OUTCROP |               | 440498      | 6974854      | GPS             | 7                | just past contact btw pluton and shale seds, intensely folded silty limestone bed, with calcite and qtz veining with blebby py                                                                                                                           |
| AHOZG003       | 30/07/2009        | OUTCROP |               | 441337      | 6974743      | GPS             | 7                | very small plug of gd, fg bt, could be associated with nearby dykes                                                                                                                                                                                      |
| AHOZG004       | 30/07/2009        | OUTCROP |               | 441312      | 6975025      | GPS             | 13               | felsic dyke, minor barren eg qtz veins, avg 3cm                                                                                                                                                                                                          |
| AHOZG005       | 30/07/2009        | OUTCROP |               | 441773      | 6975149      | GPS             | 7                | 1.5 m dyke, trending 040, cross cut with other dykes, no alteration on dyke contact zones, station is 30 S of small plug                                                                                                                                 |
| AHOZG006       | 30/07/2009        | OUTCROP |               | 441874      | 6975183      | GPS             | 30               | 75 m wide and 150 m long intrusive plug with common bull qtz veining, 2-20 cm with rare 2% mo                                                                                                                                                            |
| AHOZG007       | 31/07/2009        | OUTCROP |               | 439927      | 6976210      | GPS             | 7                | 332 deg to toe of long glacier                                                                                                                                                                                                                           |
| AHOZG008       | 31/07/2009        | OUTCROP |               | 440782      | 6975061      | GPS             | 10               | contact btw gd and seds, dykes above contact                                                                                                                                                                                                             |
| BWOZG001       | 28/07/2009        | outcrop |               | 439094      | 6974589      | GPS             | 12               | toe of glacier                                                                                                                                                                                                                                           |
| BWOZG002       | 29/07/2009        | outcrop |               | 440468      | 6974851      | GPS             | 7                | monzonite/shale contact, shale is bedded and very fine grained                                                                                                                                                                                           |
| BWOZG003       | 29/07/2009        | outcrop |               | 440596      | 6974630      | GPS             | 8                | monzonite/sediment contact, seds have qtz veins up to 1 m thick which follow bedding                                                                                                                                                                     |
| BWOZG004       | 30/07/2009        | outcrop |               | 441150      | 6974415      | GPS             | 12               | 10 x 150 m outcrops of mudstone with 30 cm silicified veins that both follow and crosscut bedding, veins are mostly mm size qtz grains in silica matrix with some cm size euhedral prismatic crystals, mm in fractures in the vein and some disseminated |
| BWOZG005       | 30/07/2009        | outcrop |               | 441491      | 6974288      | GPS             | 10               | granite sill 2 - 10 m thick, smaller (m size) dykes have minor galena and pyrite                                                                                                                                                                         |
| BWOZG006       | 30/07/2009        | outcrop |               | 441569      | 6973923      | GPS             | 13               | granitoid body in bowl, very coarse grained, sharp contact with the sediments                                                                                                                                                                            |
| BWOZG007       | 30/07/2009        | float   |               | 441366      | 6973900      | GPS             | 7                | float from cliff above                                                                                                                                                                                                                                   |
| BWOZG008       | 31/07/2009        | outcrop |               | 438903      | 6975058      | GPS             | 8                | monzonite along side of glacier                                                                                                                                                                                                                          |
| BWOZG009       | 31/07/2009        | subcrop |               | 440241      | 6973107      | GPS             | 7                | down valley no min has been seen, pluton margins seem better for mineralization                                                                                                                                                                          |
| LJOZG001       | 30/07/2009        | outcrop |               | 440933      | 6974435      | GPS             | 6                |                                                                                                                                                                                                                                                          |
| LJOZG002       | 29/07/2009        | outcrop | 1730          | 441885      | 6975170      | GPS             | 2                |                                                                                                                                                                                                                                                          |

## Appendix 6.2 - Lithology

| Station Number | User | Date<br>(dd/mm/yyyy) | Station<br>Type | Map Unit | Rock Type            | Colour          | Colour<br>Weathered | Grain size  | Texture      | Mineralization | Mineralization<br>Minor | Min. Style | Min. % | Alteration | Alt.<br>Degree |
|----------------|------|----------------------|-----------------|----------|----------------------|-----------------|---------------------|-------------|--------------|----------------|-------------------------|------------|--------|------------|----------------|
| AHOZG001       | AH   | 28/07/2009           | FLOAT           |          | granodiorite         | grey            | rusty               | medium      |              |                |                         |            | 0      |            | 0              |
| AHOZG002       | AH   | 29/07/2009           | OUTCROP         |          | Limestone            | grey            | grey                |             |              |                |                         |            | 0      |            | 0              |
| AHOZG003       | AH   | 30/07/2009           | OUTCROP         |          | granodiorite         | grey            | grey                | medium      |              |                |                         |            | 0      |            | 0              |
| AHOZG004       | AH   | 30/07/2009           | OUTCROP         |          | felsic dyke          | grey            | grey                | fine        |              |                |                         |            | 0      |            | 0              |
| AHOZG005       | AH   | 30/07/2009           | OUTCROP         |          | granodiorite         | grey            | grey                | medium      |              |                |                         |            | 0      |            | 0              |
| AHOZG006       | AH   | 30/07/2009           | OUTCROP         |          | granodiorite         | grey            | grey                | medium      |              |                |                         |            | 0      |            | 0              |
| AHOZG007       | AH   | 31/07/2009           | OUTCROP         |          | granodiorite         | grey            | grey                | medium      |              |                |                         |            | 0      |            | 0              |
| AHOZG008       | AH   | 31/07/2009           | OUTCROP         |          | siltstone            | black           | brownish            | fine        |              |                |                         |            | 0      |            | 0              |
| AHOZG008       | AH   | 31/07/2009           | OUTCROP         |          | contact              |                 |                     |             |              |                |                         |            | 0      |            | 0              |
| AHOZG008       | AH   | 31/07/2009           | OUTCROP         |          | granodiorite         | grey            | grey                | medium      |              |                |                         |            | 0      |            | 0              |
| BWOZG001       | BW   | 28/07/2009           | outcrop         |          | Monzodiorite         | white           | white               | coarse      | equigranular |                |                         |            | 0      |            |                |
| BWOZG002       | BW   | 29/07/2009           | outcrop         |          | Contact - Lithologic | dark            | rusty               | fine        | bedded       |                |                         |            | 0      |            |                |
| BWOZG003       | BW   | 29/07/2009           | outcrop         |          | Contact - Lithologic | white           | white               | coarse      | equigranular |                |                         |            | 0      |            |                |
| BWOZG004       | BW   | 30/07/2009           | outcrop         |          | Mudstone             | dark            | rusty               | fine        | bedded       |                |                         |            | 0      |            |                |
| BWOZG005       | BW   | 30/07/2009           | outcrop         |          | Monzonite            | white           | white               | medium      | equigranular |                |                         |            | 0      |            |                |
| BWOZG006       | BW   | 30/07/2009           | outcrop         |          | Monzonite            | white           | white               | coarse      | equigranular |                |                         |            | 0      |            |                |
| BWOZG007       | BW   | 30/07/2009           | float           |          | Mudstone             | dark            | rusty               | fine        | bedded       |                |                         |            | 0      |            |                |
| BWOZG008       | BW   | 31/07/2009           | outcrop         |          | Monzonite            | white           | white               | coarse      | equigranular |                |                         |            | 0      |            |                |
| BWOZG009       | BW   | 31/07/2009           | subcrop         |          | Granodiorite         | salt and pepper | grey                | coarse      | equigranular |                |                         |            | 0      |            |                |
| LJOZG001       | LJ   | 30/07/2009           | outcrop         |          | Siltstone            | bluish          | rusty               | fine        |              |                |                         |            | 0      |            |                |
| LJOZG001       | LJ   | 30/07/2009           | outcrop         |          | Contact - Lithologic |                 |                     |             |              |                |                         |            | 0      |            |                |
| LJOZG001       | LJ   | 30/07/2009           | outcrop         |          | Granodiorite         | beige           | yellowish           | fine-medium |              |                |                         |            | 0      |            |                |
| LJOZG002       | LJ   | 29/07/2009           | outcrop         |          | Granodiorite         | beige           | greyish             | fine-medium |              |                |                         |            | 0      |            |                |

## Appendix 6.3 - Structure

| Station Number | Structure Name | Quality | Azimuth | Dip / Plunge | Comments |
|----------------|----------------|---------|---------|--------------|----------|
| BWOZG002       | bedding        | GOOD    | 326     | 27           |          |
| BWOZG004       | bedding        | GOOD    | 358     | 34           |          |

**Appendix VII – XRF**

**7.1 XRF Techniques**

**7.2 XRF Geochemical Results – Rocks**

## **Appendix 7.1 – XRF Techniques**

### **Sample Preparation**

The soil and silt samples were first completely dried while in the original soil bags. The samples were then sieved to less than 250µm size; a minimum of 1 teaspoon of this fine fraction was placed in a labelled thin plastic bag (e.g. Ziplock bag). Rock Samples were taken to Stewart Group Prep Lab in Whitehorse where the rocks were crushed and pulverized. The pulps and rejects were then shipped to Bootleg Exploration Inc. in Cranbrook, BC where they were analyzed by the same method as the silts and soils.

### **XRF Analysis**

Soil, silt and rock samples were analyzed using a Niton XLp 522K handheld x-ray fluorescence (XRF) analyzer. The ziplock bags were shaken to compact the sample in a bottom corner of the bag and this was then positioned under the XRF analyzer window. Samples were analyzed for a total of 90 seconds using 2 filters for 45 seconds each. Results were downloaded to the Bootleg database at the end of each day and quality assurance and quality control procedures were conducted.

### **Quality Control Quality Assurance**

The integrity of the XRF analyzer was tested daily by verifying calibration of the analyzer, as well as analyses of blank samples and standards. As an internal QAQC function, the Niton XLp 522K will not function if the calibration fails. Blanks and standards are compared to assure they are within the accepted range of values provided by the standard supplier. Duplicate samples were analyzed approximately every 25 samples and results were compared nightly.



Appendix 7.2 Rock Sample XRF Geochemical Results

| Sample   |        | Analysis   |         | Mo     | Cd     | Pb     | Zn   | Ag    | Ni    | Co    | Mn    | Fe     | As    | Sr  | Cd    | Sb    | Bi    | Ca    | Cr   | Ba   | K    | W   | Hg  | Tl    | Sn    |
|----------|--------|------------|---------|--------|--------|--------|------|-------|-------|-------|-------|--------|-------|-----|-------|-------|-------|-------|------|------|------|-----|-----|-------|-------|
| Number   | Medium | Date       | Class   | ppm    | ppm    | ppm    | ppm  | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm | ppm   | ppm   | ppm   | %     | ppm  | ppm  | %    | ppm | ppm | ppm   | ppm   |
| AHOZR001 | ROCK   | 15/10/2009 | BULK    | 0      | 936.58 | 6449.3 | 1624 | 73.31 | 0     | 0     | 1257  | 15.581 | 0     | 147 | 65.32 | 59.26 |       | 0.409 | 0    | 516  | 0.26 | 0   | 0   | 186.6 | 89.41 |
| AHOZR001 | ROCK   | 15/10/2009 | INDBULK | 0      | 981.12 | 6068.1 | 1427 | 55.88 | 0     | 0     | 1159  | 13.264 | 0     | 81  | 40.07 | 0     | 102.6 | 0.979 | 148  | 132  | 0.57 | 0   |     |       | 63.43 |
| AHOZR002 | ROCK   | 15/10/2009 | BULK    | 407.68 | 0      | 0      | 0    | 0     | 0     | 0     | 0     | 0.1443 | 0     | 4   | 0     | 28.09 |       | 0     | 286  | 175  | 0.11 | 0   | 0   | 71.16 | 23.43 |
| BWOZR001 | ROCK   | 15/10/2009 | BULK    | 0      | 0      | 877.76 | 425  | 0     | 0     | 0     | 0     | 0.4132 | 0     | 65  | 21.38 | 27.05 |       | 0.03  | 179  | 5457 | 2.87 | 0   | 0   | 103.1 | 34.43 |
| BWOZR002 | ROCK   | 15/10/2009 | BULK    | 0      | 176.83 | 0      | 213  | 0     | 209   | 0     | 30758 | 9.2431 | 0     | 204 | 0     | 78.91 |       | 4.993 | 0    | 1472 | 0.25 | 0   | 0   | 254.2 | 77.15 |
| BWOZR002 | ROCK   | 15/10/2009 | INDBULK | 0      | 108.8  | 0      | 217  | 0     | 119.7 | 0     | 30068 | 9.3255 | 0     | 105 | 0     | 0     | 0     | 9.684 | 137  | 1016 | 0.49 | 0   |     |       | 0     |
| LJOZR001 | ROCK   | 15/10/2009 | BULK    | 0      | 0      | 31.82  | 72   | 0     | 0     | 0     | 419   | 2.4945 | 0     | 312 | 0     | 32.06 |       | 1.557 | 109  | 1022 | 2.74 | 0   | 0   | 95.48 | 24.22 |
| LJOZR002 | ROCK   | 15/10/2009 | BULK    | 11.81  | 347.78 | 25.47  | 95   | 0     | 162.1 | 0     | 1237  | 9.1807 | 33.03 | 363 | 27.31 | 53    |       | 1.683 | 0    | 1706 | 1.08 | 0   | 0   | 196.2 | 73.15 |
| LJOZR002 | ROCK   | 15/10/2009 | INDBULK | 0      | 296.76 | 24.53  | 94   | 0     | 160.7 | 0     | 1235  | 9.464  | 0     | 187 | 0     | 0     | 0     | 3.024 | 189  | 1354 | 1.96 | 0   |     |       | 0     |
| LJOZR003 | ROCK   | 15/10/2009 | BULK    | 0      | 0      | 0      | 0    | 0     | 0     | 0     | 547   | 8.3358 | 17.6  | 180 | 0     | 48.17 |       | 1.973 | 89.8 | 3194 | 1.07 | 0   | 0   | 204.9 | 43.41 |
| LJOZR003 | ROCK   | 15/10/2009 | INDBULK | 0      | 0      | 0      | 33   | 0     | 0     | 0     | 574   | 9.1488 | 0     | 99  | 0     | 0     | 0     | 3.391 | 278  | 3156 | 2.04 | 0   |     |       | 0     |
| LJOZR004 | ROCK   | 15/10/2009 | BULK    | 3558.1 | 0      | 0      | 0    | 0     | 0     | 0     | 0     | 0.1852 | 0     | 0   | 0     | 0     |       | 0     | 229  | 201  | 0.25 | 0   | 0   | 129.1 | 0     |
| LJOZR005 | ROCK   | 15/10/2009 | BULK    | 0      | 85.41  | 37.32  | 65   | 0     | 0     | 0     | 399   | 3.335  | 0     | 345 | 0     | 31.97 |       | 1.456 | 104  | 815  | 1.99 | 0   | 0   | 134.1 | 54.91 |
| LJOZR006 | ROCK   | 15/10/2009 | BULK    | 0      | 0      | 0      | 125  | 13.15 | 0     | 0     | 11900 | 4.1481 | 0     | 160 | 17.69 | 69.61 |       | 6.541 | 0    | 1061 | 2.3  | 0   | 0   | 205.2 | 218.2 |
| NTOZR001 | ROCK   | 15/10/2009 | BULK    | 0      | 303.02 | 0      | 73   | 0     | 297.6 | 0     | 0     | 24.166 | 23.23 | 81  | 0     | 66.71 |       | 0.726 | 0    | 1501 | 0.46 | 0   | 0   | 209   | 59.15 |
| NTOZR001 | ROCK   | 15/10/2009 | INDBULK | 0      | 341.15 | 0      | 0    | 0     | 243.9 | 726.2 | 0     | 18.929 | 21.38 | 41  | 0     | 0     | 0     | 1.824 | 101  | 1217 | 1.49 | 0   |     |       | 0     |
| NTOZR002 | ROCK   | 15/10/2009 | BULK    | 0      | 186.43 | 4677.3 | 405  | 37.53 | 0     | 0     | 558   | 6.3262 | 0     | 170 | 44.94 | 62.06 |       | 0.338 | 129  | 531  | 0.25 | 0   | 0   | 158.6 | 1135  |
| NTOZR002 | ROCK   | 15/10/2009 | INDBULK | 18.54  | 265.79 | 4944.5 | 405  | 26.37 | 0     | 0     | 440   | 7.2552 | 0     | 93  | 23.46 | 0     | 0     | 0.54  | 292  | 141  | 0.51 | 0   |     |       | 2067  |