

Geochemical Report

on the

**Dragon Lake Property
Whitehorse Mining District
Mapsheets 105J/11 and 105J/12
Center of Work
Latitude 62° 36' N, Longitude 131°32' W**

Prepared for:

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By

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Date

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SUMMARY

This report highlights results of a 2009 exploration program on the Dragon lake property. The Dragon Lake property is located 80 kilometers northeast of Ross River in the Whitehorse Mining District. It has been the subject of exploration activities since copper and gold mineralization was discovered on the property by the Geological Survey of Canada in 1945. Exploration work in the 1960's and 1980 demonstrated significant mineralization (up to 1.5 g/t Au and 2.5 g/t Au) in skarn pods, veins and sheeted quartz vein systems in contact zones and along structures peripheral to a Cretaceous syenite stock. Eagle Plains Resources Ltd. began exploring the property in 1996. Since then, geochemical, geophysical, trenching and drilling activities have advanced the understanding of the property.

The Dragon Lake property consists of 40 contiguous mineral claims, as shown in Figure 2 and listed in Table 1. The original Drag 1-8 claims were staked in 1996 and recorded in the office of the district mining recorder in Whitehorse. The Drag 13-24 were staked in 1997 and the Drag 25-44 were staked in 1999.

The 2009 exploration work was completed between the dates of July 23 to 27. A camp was set at 370050E, 6944550N, on the shore of Dragon Lake. Access to the property area was by helicopter out of Faro and Ross River, with staging from the Canol road at kilometer 110. Field time focused on soil geochemical sampling both to test the Cretaceous pluton and expand on anomalous results from the 1988 survey. A total of 8 lines were completed, comprising soil 260 samples over approximately 5.5 line-kilometers.

A total of 260 soil samples from 8 soil lines were collected during the 2009 program (Figure 4): 3 ESE-trending lines covering the contact zone of claims YB67142 and YB67143; and 5 NE-trending lines, normal to Hyland Group stratigraphy covering claims YB67142, 144, and YB96313, 314, and YB96608, 609.

Spatial analysis of the soil samples predictably indicates that the best Au and Cu anomalies are associated with an area of historical workings and Au-soil anomalies, thus verifying part of the 200 x 500 m Au-Ag-Cu soil geochemical anomaly determined by McClintock (1988). Copper anomalies (determined by XRF) over the remainder of the 2009 sampling area (Figure 5a) are not notable except for occasional spot anomalies (e.g. DRL004 07+25N).

A weak arsenic anomaly overlaps with the main historical Au-Cu anomaly. A moderate arsenic anomaly over 150 m, and a moderate to strong arsenic anomaly over 80 meters is apparent at the northeast corner of the 2009 XRF grid (Figure 5a) on lines 4 and 5, respectively.

Due to poor outcrop exposure on the property, it was verified that a thorough ground-truthing of geophysical anomalies is impossible without trenching or drilling activities. An analysis of the XRF versus ICP results shows that important indicator elements for the Dragon Lake Property, such as Sb, Bi, and W have statistically relevant values that are close to the limits of detection of the Niton XL3t XRF. As such, it is recommended that future geochemical programs utilize lab based ICP analysis with more appropriate levels of detection.

The 2009 soil geochemical program broadly covered most of the geophysical anomalous regions with XRF results for Cu and As. The copper results failed to outline a prospective Cu (skarn?) horizon to the southeast of the historical showings in the unaltered phyllite and limestone units of PCH1b and PCH1c. However, arsenic results indicate a potential horizon of interest at the northeast limit of the 2009 grid, that is 80 to 150 meters wide by 200 + meters long. The anomaly is open to the southeast, and potentially aligns with a series of magnetic troughs and subtle geochemical anomalies up to 500 meters to the northwest.

The recommendations for future work on the property include

- 1) Several historical reports mention the importance of NNW-trending mineralization controlling structures. A detailed compilation of existing trenching, drilling and geophysical datasets should be undertaken in order to better constrain the structural framework of the property area.
- 2) 2009 soil samples, up to 200 meters south of the PCH1a/PCH1c contact that were not previously analyzed by ICP, should be submitted for lab analysis.
- 3) Infill soil geochemistry and additional soil lines should be established eastwards and northwards in order to further delineate the 2009 arsenic soil anomaly, and east extension of the historically known skarn mineralization further to the north.
 - 3b) New soil geochemical areas should be prospected and mapped if possible.
- 4) Based on the analysis in (1) in relation to current and future geochemical datasets (2-3), additional untested targets should be selected for trenching and or drilling activities.
- 5) A detailed airborne geophysical survey is recommended over the property and surrounding region in order to better define the geophysical signature of the known showings, to locate additional near surface and buried intrusions, and to highlight broader scale structures that may have contributed to the movement of mineralized fluids.

Total 2009 YMIP applicable expenditures on the property were \$25,055.78.

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INTRODUCTION

This report highlights results of a 2009 exploration program on the Dragon lake property. The Dragon Lake property is located 80 kilometers northeast of Ross River in the Whitehorse Mining District. It has been the subject of exploration activities since copper and gold mineralization was discovered on the property by the Geological Survey of Canada in 1945. Exploration work in the 1960's and 1980 demonstrated significant mineralization (up to 1.5 g/t Au and 2.5 g/t Au) in skarn pods, veins and sheeted quartz vein systems in contact zones and along structures peripheral to a Cretaceous syenite stock. Eagle Plains Resources Ltd. began exploring the property in 1996. Since then, geochemical, geophysical, trenching and drilling activities have advanced the understanding of the property. The 2005 trenching program on the Dragon Lake Property confirmed the presence of anomalous gold concentrations in contact metasomatic (Skarn) and altered sedimentary rocks adjacent to the Cretaceous intrusion. 2005 recommendations were:

- 1) Evaluate the Induced Polarization Chargeability anomalies that have not been followed up to date.
- 2) Prospecting of the favourable metasomatic altered rocks to the south and west.
- 2) Evaluate the Cretaceous intrusions for Porphyry copper-gold and Intrusion- Hosted Gold potential.

Exploration work occurred between July 27 and 27, 2010, from a fly camp set up on the shore of Dragon Lake. Total 2009 YMIP applicable expenditures on the property were \$25,055.78.

Location and Access and Physiography

The Dragon Lake property is located 280 km northeast of Whitehorse (500 km by road) or 80 km northeast of Ross River, Yukon. The area is immediately southwest of Dragon Lake on NTS map sheet 105J/11 and 12 in the Whitehorse Mining District, centred at 62° 36' latitude and 131° 32' longitude (Figure 1). In 2009, the property was accessed by helicopter out of Ross River and Faro, Yk. Alternate access by boat is possible from the North Canal Road from a staging area at kilometer 110. Good camp sites are available on the shoreline of Dragon Lake in DRAG claims 1 & 2. Figures 1 and 2 show the property location and tenure. Logistically, Whitehorse, Ross River and Watson Lake provide supplies, accommodations and government services for the district and there is a government maintained airstrip at Ross River.

Dragon Lake occupies a southeast-northwest trending valley surrounded by low hills sloping up to higher mountain peaks and upland plateau's to the south. Elevations range from 857 to 1060 meters. The claim area rises to the south and is incised by three narrow creek gullies. Most outcrop is located on ridges flanking the creek gullies and above depressions containing small ponds. Overburden depth is variable but averages 4 meters. Glaciation has left a few eskers along the north shoreline of Dragon Lake.

Vegetation consists of buck brush with thickets of small poplar trees. Otherwise, the forest fire has left mainly dead standing trees. The ground cover is fairly thick and any gnd development would require linecutting. The district has a northern interior climate marked by long cold winters and moderate annual precipitation. Exploration on the property can be performed from May until October but is

possible on a year round basis.

Tenure

The Dragon Lake property consists of 40 contiguous mineral claims, as shown in Figure 2 and listed in Table 1. The original Drag 1-8 claims were staked in 1996 and recorded in the office of the district mining recorder in Whitehorse. The Drag 13-24 were staked in 1997 and the Drag 25-44 were staked in 1999.

The mineral claim boundaries have not yet been legally surveyed. Title to the claims is held 100% in the name of Eagle Plains Resources Ltd. The property is subject to a 1.0 % Net Smelter Return Royalty (NSR) on any future production payable to Mr. Bernie Kreft. Claim information is as follows:

Table 1 – Tenure Summary

Grant #	Claim	Expiry date
YB67142 to YB67145	DRAG 1 to 4	28/06/11
YB96313 to YB96314	DRAG 5 and 6	20/09/11
YB96608 to YB96609	DRAG 7 and 8	30/09/11
YC09170 to YC09181	DRAG 13 to 24	07/12/10
YC18115 to YC18134	DRAG 25 to 44	07/12/10

140°0'0"W 135°0'0"W 130°0'0"W 125°0'0"W 120°0'0"W

70°0'0"N



Eagle Plains Resources Ltd.

Dragon Lake Target

Figure 1 - Target Location

Projection - NAD 83 UTM Zone 08N

Scale - 1 : 5,000,000

22/02/2010



Canada

Legend

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

Alaska (USA)

Yukon

Northwest Territories

Dragon Lake Territory

British Columbia

Vuntut National Park

Kluane National Park

Eagle Plains

Dawson City

Keno Hill

Mayo

Faro

Ross River

Tungsten

Beaver Creek

Carmacks

Haines Junction

Whitehorse

Johnsons Crossing

Watson Lake

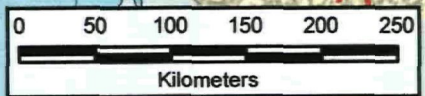
Carcross

Dempster Highway

Klondike Highway

Alaska Highway

Canol



140°0'0"W 135°0'0"W 130°0'0"W 125°0'0"W

65°0'0"N

60°0'0"N

65°0'0"N

60°0'0"N

368000

370000

372000

374000



Eagle Plains Resources Ltd.

EPL:TSX-V

**Dragon Lake Property
Figure 2 - Tenure Map**

Projection - NAD 83 UTM Zone 09N

Scale - 1:30,000

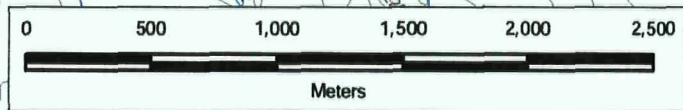
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6944000

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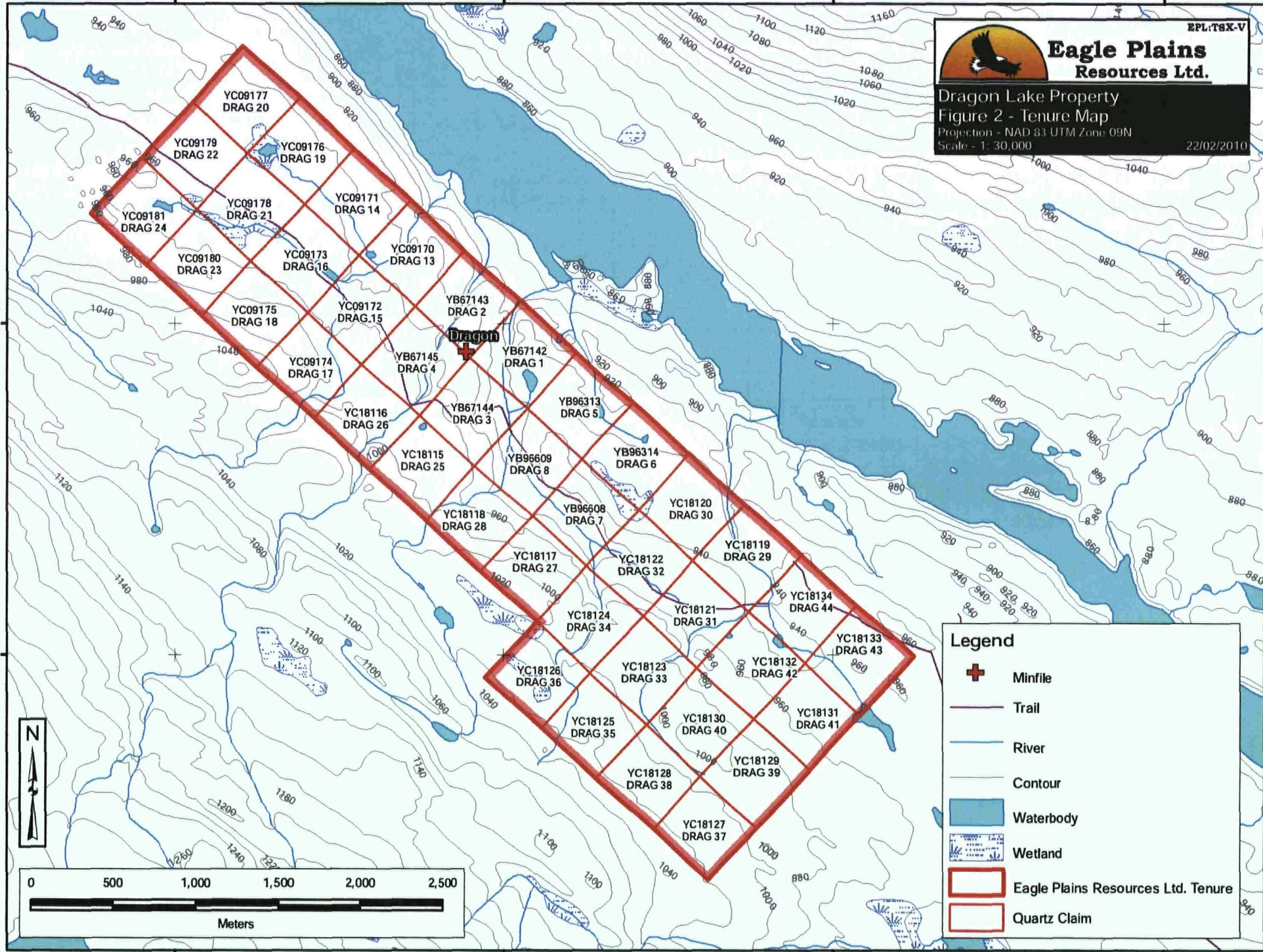
370000

372000

374000

Legend

- Minfile
- Trail
- River
- Contour
- Waterbody
- Wetland
- Eagle Plains Resources Ltd. Tenure
- Quartz Claim



History and Previous Work

The Ross River area was first explored in 1880 by Robert Campbell of the Hudsons Bay Company. Prospectors entered the country via the Liard River around the 1880's looking for placer gold deposits, which they found in minor amounts in the Finlayson River. Prospecting activity increased dramatically in the 1950's and 1960's with the discovery of the Anvil lead-zinc deposit at Faro. In the 1990's a large exploration rush occurred in the area due to the discovery of the Kutz ze Kayah and Wolverine massive sulphide deposits in the Finlayson Lake area. Also in the late 1990's, was an exploration boom in the "Tintina Gold Belt" for Intrusive-hosted gold mineralization associated with mid-Cretaceous intrusions. Since then, the Ross River area has experienced an increase in exploration activity and many mineral occurrences in the Selwyn Basin are being re-visited.

Copper and gold mineralization was discovered on the property by the Geological Survey of Canada in 1945. In 1960, Kennco Explorations (Western) Ltd staked the PAD Group of claims to cover the showing and conducted a program of geological mapping and a magnetic survey (Rayner and Gower, 1961). They identified three zones of skarn-type alteration with variable concentrations of pyrrhotite mineralization up to 20% and minor amounts of chalcopyrite, scheelite and magnetite. They did not report any analytical results. There is no record of any further work by Kennco and the property was later allowed to lapse.

In 1983, Canamax Resources Inc staked the Nurf claims to cover the showings and conducted an eight-day field program consisting of geological mapping and soil geochemical sampling (Hitchins, 1983). Highlights of their work were a rock sample that contained 3.02 gm/mt (0.088 oz/T) gold and 67.1 gm/mt (1.96 oz/T) silver from a narrow arsenopyrite-quartz-sericite vein in gritty quartzite and 0.5% copper and 1.99 gm/mt (0.058 oz/T) gold from a pyrrhotite-pyroxene skarn pod that measured up to 2 by 5 m. Canamax concluded that the soil geochemical survey indicated that the skarn mineralization did not extend beyond what had been identified in the surface showings and that the tungsten and copper values in veins and skarn are disappointing. There is no record of any further work by Canamax and the property was later allowed to lapse.

In 1988, Welcome North Mine Ltd staked the Fire claims and later that year conducted a field program consisting of geological mapping, rock and soil sampling (McClintock, 1988). Highlights of their program was a 1 m chip sample from the eastern most showing that ran 4.45 gm/mt gold and a 1 m chip sample from a small showing 100 m north of there that contained 12.7 gm/mt gold and 5.4% arsenic. There is no record of any further work by Welcome North and the property was later allowed to lapse.

The Drag property was staked in 1996 by prospector Bernie Kreft on behalf of Eagle Plains Resources Ltd and Miner River Resources Ltd, a 50-50 joint venture. The joint venture conducted a 5-day program of prospecting and re-sampling of the old showings later that year (Dickie, 1996). In 1997, Mr Kreft conducted a program of hand trenching on behalf of the joint venture, trenching and sampling 14 sites (Davidson, 1997). This work returned a number of anomalous values, including 2,643 ppb gold over 1.0 m in Trench 1, 2,815 ppb gold over 6.0 m in trench 2, 2,055 ppb gold over 2.0 m in trench 11 and 1,681 ppb gold over 3.6 m in trench 12.

In 1999, Eagle Plains conducted a program involving rock sampling, a magnetometer survey and diamond drilling of 4 holes for a total of 301 metres. The drill program returned thick bands of

actinolite skarn in calc-silicate rock that contained up to 5% pyrrhotite. The most significant results from the drill program are 2,142 ppb gold from 49.3 to 59.5 m and 3,664 ppb gold from 106.6 to 107.8 m in hole D99-01; and 630 ppb gold from 15.6 to 16.4 m in hole D99-03.

In 2004, Eagle Plains Resources Ltd conducted a program of Induced Polarization (IP) and VLF-EM geophysical surveying on the property and regional exploration consisting of stream sediment sampling and reconnaissance soil sampling in a large area west of the property. The regional sampling program did not return any significant base or precious metals values.

The 2004 geophysical program consisted of cutting 7.1 km of line on which 6.3 km of IP/Resistivity surveying was conducted and 3.4 km of VLF-EM surveying. The IP survey identified a zone of elevated chargeability that is 300 m wide and corresponds with a number of showings that contain elevated gold values. This zone is open to the east. A second chargeable zone that measures 10 to 50 m wide was identified in the central part of the grid. It also correlated well with soil geochemical gold anomalies. At both of these locations drill holes in the area appear to have missed the highest chargeability portion of the anomalies.

In 2005, Eagle Plains Resources contracted Aurora Geosciences Ltd. to create, sample and map 8 blast trenches in areas of anomalous soil geochemical results and IP chargeability responses. All but three of the trenches reached bedrock. Where bedrock was encountered, the rocks generally exhibited moderate to intense contact metasomatic alteration (skarn-type alteration) and, in places, exhibited intense iron-oxide (gossanous) staining. The alteration consisted of silica and clay alteration. Most trenches contained variable amounts of sulphide mineralization up to a maximum of 10% locally (over 1 m), mainly as pyrite and pyrrhotite. A total of 60 trench chip and grab samples were collected during the 2005 program. The best results for gold were from the grab samples in the pits in Trench 4, where 3 samples returned 481.8 ppb, 799.8 ppb and 1140.1 ppb. Elsewhere, the composite chip sample results for the trenches were all <200 ppb gold. A few of the IP chargeability anomalies identified in the areas of Trench 1, Trench 6 and Trench 7 remain to be evaluated. Also other chargeability anomalies scattered throughout the property remain to be tested.

GEOLOGY

Regional Geology

The regional geological setting of the area is taken from Gordey and Makepeace (2003). The property lies within the Selwyn Basin, which is comprised of Late Proterozoic to Mid-Paleozoic continental margin sediments. The basinal rocks in the area of the property consist of the Hyland Group (PCH) overlain by the Rabbitkettle Formation (COR), the Road River Group (ODR), and a small outcropping of the Ross Formation (ITR) well northeast of the property (Figure 3). The Table of Formations is listed below:

Table 2 Table of Formations (after Gordey & Makepiece (2003))

Formation (Age)	Description
Ross Formation (lower Tertiary – mainly Eocene)	Undivided, mixed bimodal basalt and rhyolite.
Road River Group (Ordovician to lower Devonian)	Black shale and chert overlain by orange siltstone or buff, platy limestone.
Rabbitkettle Formation (Upper Cambrian and Ordovician)	Thin bedded, wavy banded, silty limestone and grey lustrous calcareous phyllite, limestone breccia and conglomerate, laminated grey siltstone, chert, slate and local mafic flows, breccia and tuff.
Hyland Group (Upper Proterozoic to Lower Cambrian)	Thin to thick bedded, brown to pale green shale, fine to coarse grained quartz-rich sandstone, quartz pebble conglomerate, argillaceous limestone, phyllite, psammite and minor marble.

The claims lie north of the Tintina Fault, a large transcurrent Late Cretaceous to Tertiary fault system that caused at least 450 km of displacement. During the Eocene volcanism and sedimentation deposited sequences of basalt, rhyolite, felsic tuff and conglomerate in the Tintina depression. Late Tertiary uplift and faulting preserved Eocene volcanoclastic rocks in structurally complex grabens. Epithermal style gold and silver mineralization occurs at fault intersections in these grabens.

South of the Selwyn Basin the Yukon Tanana terrane is the focus of exploration for volcanogenic massive sulfide deposits. The increase in general interest in the region has led to a re-evaluation of prospects in the Selwyn Basin in particular mineralization occurring in association with Cretaceous intrusions and volcanic rocks. Metasedimentary units in the Dragon Lake area strike 120° and dip 45-65° northeast. The most recent geological map of the area was compiled by Templeman-Kiuit as Map 12-1961.

360000

365000

370000

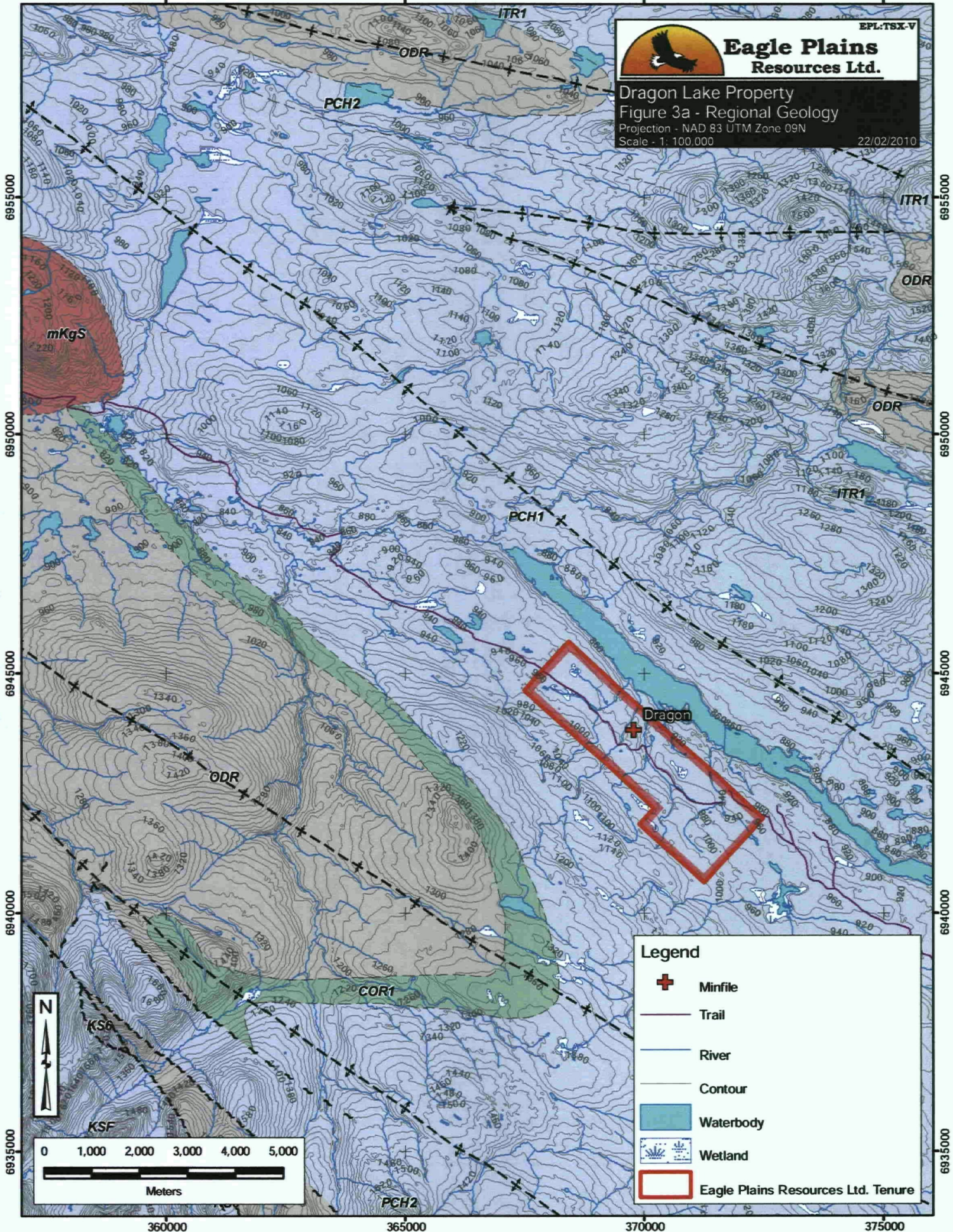
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Eagle Plains Resources Ltd.

Dragon Lake Property
Figure 3a - Regional Geology
Projection - NAD 83 UTM Zone 09N
Scale - 1: 100,000
22/02/2010

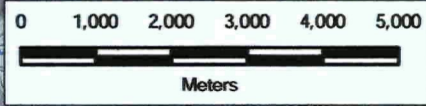


6955000
6950000
6945000
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6935000

Legend

-  Minfile
-  Trail
-  River
-  Contour
-  Waterbody
-  Wetland
-  Eagle Plains Resources Ltd. Tenure





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

--- Normal Fault - Approximate

~~~~ Fault - Defined

~ ~ ~ Fault - Approximate

⊕ --- Anticline, Inferred

⊖ --- Syncline, Inferred

----- Contact - Assumed

———— Contact - Observed

----- Contact - Inferred

ROSS: locally amygdaloidal, dark grey-green olivine basalt necks and flows; subaerial and subaqueous (locally pillowed); volcanoclastic rocks; minor olivine gabbro; locally plagioclase-phyric basalt and diabase dykes; minor shale and conglomerate

ITR1

mKgS

KSF: SOUTH FORK: dark brown weathering, locally columnar jointed, massive, densely welded, biotite-quartz-hornblende -feldspar crystal tuff (South Fork Volcanics)

KS6

KS6: SHARP MOUNTAIN: dark grey weathering massive to poorly bedded chert sandstone and chert pebble conglomerate; fluvial(?) (Big Timber)

COR1

COR1: RABBITKETTLE: thin bedded, wavy banded, silty limestone and grey lustrous calcareous phyllite; limestone intraclast breccia and conglomerate; massive to laminated, grey quartzose siltstone and chert and rare black slate; local mafic flows, breccia, and tuff (Rabbitkettle)

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.)

PCH2

PCH2: HYLAND: grey weathering, dark grey to grey white, thin to thick bedded, very fine crystalline limestone, locally sandy; calc-silicate and marble; may locally include carbonate members within (1) or (4) (Hyland Gp., Algae Lake, limestone member of Yusezyu)

PCH1

PCH1: HYLAND: thin to thick bedded, brown to pale green shale, fine to coarse grained quartz-rich sandstone, grit, and quartz pebble conglomerate; minor argillaceous limestone; phyllite, quartzofeldspathic and micaceous psammite, gritty psammite and minor marble (Hyland Gp., Yusezyu)

### Property Geology

The rocks exposed on the Dragon Lake claims are Hyland Group clastic and metasedimentary rocks of the Selwyn Basin overlain and intruded by volcanic flows and dykes of undetermined age. These rocks are intruded by a medium- to coarse-grained, equigranular to locally porphyritic biotite monzonite that is believed to be of the Cretaceous age Selwyn Plutonic Suite.

The Hyland Group sediments consist of coarse clastic units, ranging from quartz-pebble conglomerate to fine sandstone and siltstone separated by less extensive beds of limestone, dark grey limestone and silty limestone. The sediments are variably metamorphosed to graphitic and calcareous phyllite, chert, calc-silicate rock, skarn, marble and quartzite. Small cliffs of quartzite along the creek gullies are highly fractured with hematite and pyrrhotite in the fractures. The units generally strike 120° and dip 45-65° northeast. Actinolite skarn occurrences extend along many of the limestone beds. Calc-silicate and skarn units host sulphide (predominantly pyrrhotite) mineralization with auriferous concentration along NNW structures.

Figure 4 shows the property geology and the following units were identified;

Syenite to monzonite (Kgu): fine to medium-grained body of biotite plagioclase syenite, outcrops at the northwest end of the claims.

Quartzite (PCH1a): typically bedded light grey and white, glassy, fine to medium grained quartzite, locally gritty and recrystallized, contains sericite, minor pyrite and pyrrhotite on fracture faces. Prominent white cliffs of quartzite are fractured containing rusty weathering pyrrhotite and hematite on fractures. A few white quartz veins contain galena, arsenopyrite and stibnite.

Phyllite and chert (PCH1b): fine grained light to dark gray siliceous calcareous bedded sediments with disseminated to patchy pyrite and pyrrhotite, graphitic fracture faces, locally brecciated with minor white quartz and carbonate veining, weak to heavy limonite staining.

Limestone and marble (PCH1c): bedded grey-white, locally silicified containing minor cubic pyrite. Some diopside-magnetite-sulfide skarn development in limy units. Calc-silicate, skarn rock (Id): black fine-grained metasediment with banded and disseminated pyrrhotite, rusty red weathering, forms gossans in creek gullies.

Calc-silicate and skarn (PCH1d): diopside skarn and hornfels-black rusty weathering horizons, banded to disseminated pyrrhotite.

### Mineralization

Three styles of mineralization have been observed on the property (Casselman, 2006):

1. chalcopyrite, minor scheelite and gold in pyrrhotite-pyroxene skarn .
2. quartz-pyrite-sericite-stibnite → scheelite veins in kaolinized intrusive rocks.
3. arsenopyrite-quartz veins within sericitized gritty quartzites.

The skarn-type mineralization occurs in small pods and fracture fillings in altered sedimentary rocks, generally proximal to intrusive rocks. The mineralization consists of pyrrhotite-rich sulphides (up to 15% po) with minor chalcopyrite and scheelite with variable concentrations of gold up to 3 grams/tonne. Rare blebs of arsenopyrite have also been observed with the pyrrhotite-chalcopyrite.

Quartz-stibnite veins up to 2.5 cm wide have been observed in the intrusive rocks. These generally contain low gold concentrations. Quartz-arsenopyrite veins have been observed in altered meta-sedimentary rocks containing generally higher concentrations of gold, up to 12.7 gm/tonne.

According to Davidson (1999), silicified calc-silicate horizons host disseminated to banded semi-massive pyrrhotite mineralization. The sulfide mineral content of the gold bearing samples average 57%. The Main Zone is three exposures of limonitic calc-silicate rock around a quartzite unit. The longest exposure at pit T-9 is a rusty weathering zone of mineralization that assayed an average of 1208 ppb gold over 15.3 meters in a series of six chip samples taken in 1997. The Creek showing is a 3.5 meter thick calc-silicate horizon containing massive pyrrhotite bands that outcrops in an open cut (T-11) on the east side of the creek gully. The mineralization is locally well-layered, but typically is disseminated and fine-grained.

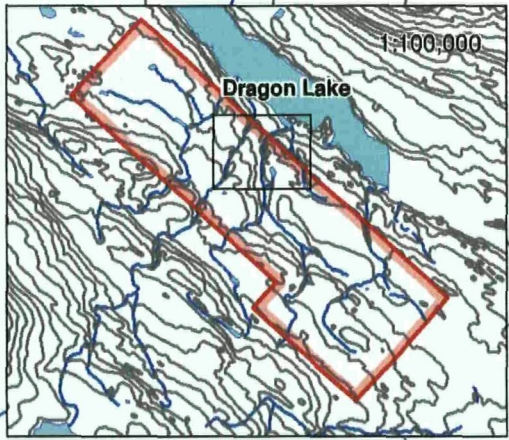
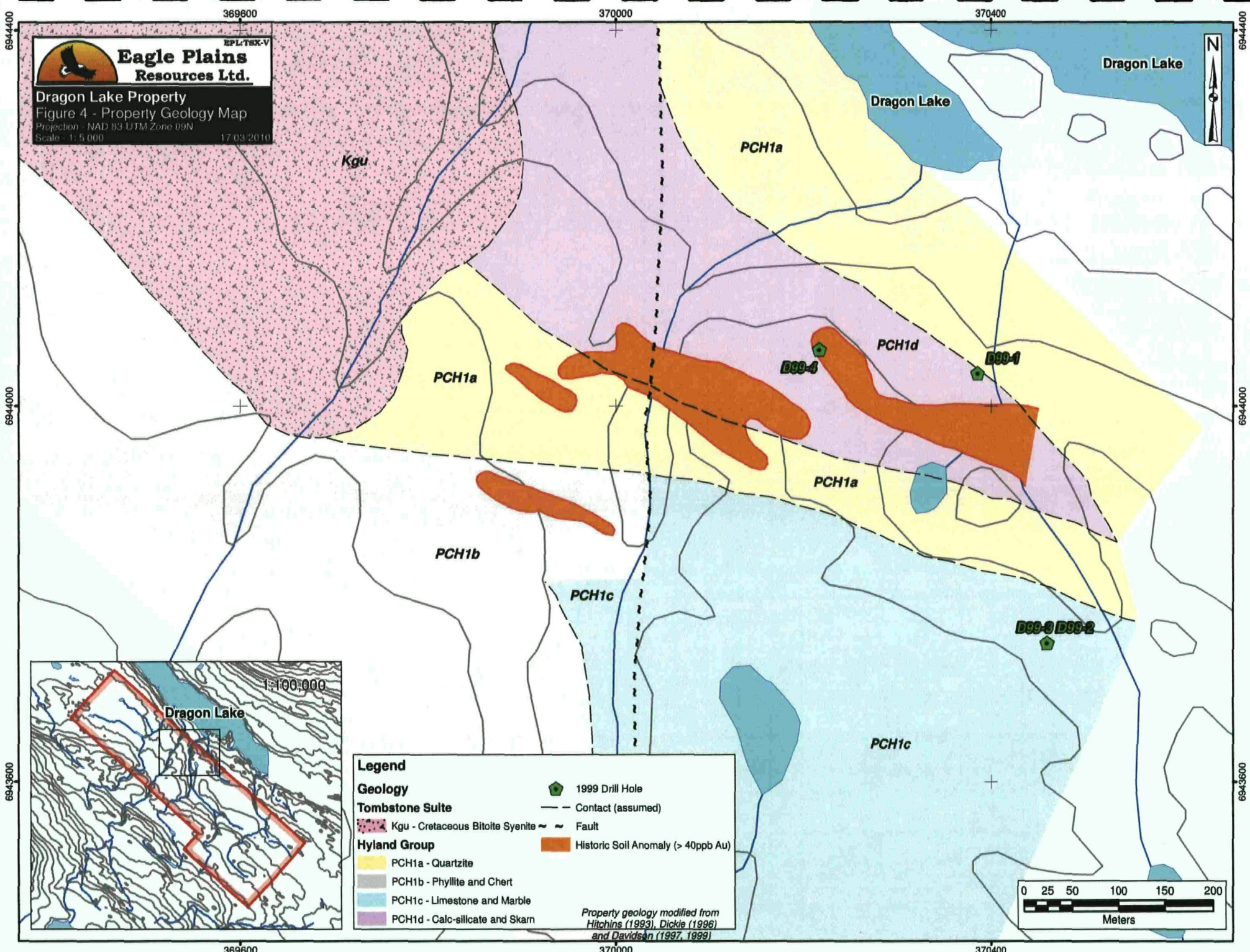
Two pits expose mineralization, the upper pit was sampled by Davidson (1997) in a 3 meter chip sample that assayed 1106 ppb gold. About 150 m west of the T-11 showing, pit T-12 uncovers banded pyrrhotite in a limey phyllite layer underlain by limestone. A 1997 chip sample assayed 1569 ppb gold over 3 meters. The main zone, T-9, T- 1 1, T- 12, and T- 13 were suggested as drill targets in the 1997 report or by C. Shulze.



**Eagle Plains  
Resources Ltd.**

Dragon Lake Property  
Figure 4 - Property Geology Map  
Projection - NAD 83 UTM Zone 09N  
Scale - 1:5,000  
17/03/2010

EPL-TSXC-V



**Legend**

**Geology**

**Tombstone Suite**

- Kgu - Cretaceous Biotite Syenite

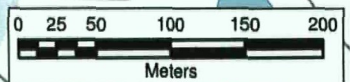
**Hyland Group**

- PCH1a - Quartzite
- PCH1b - Phyllite and Chert
- PCH1c - Limestone and Marble
- PCH1d - Calc-silicate and Skarn

**Other Features**

- 1999 Drill Hole
- Contact (assumed)
- Fault
- Historic Soil Anomaly (> 40ppb Au)

*Property geology modified from Hitchens (1993), Dickie (1996) and Davidson (1997, 1999)*





## 2009 EXPLORATION PROGRAM

The 2009 exploration work was completed between the dates of July 22 to 28. A camp was set at 370050E, 6944550N, on the shore of Dragon Lake. Access to the property area was by helicopter out of Faro and Ross River, with staging from the Canol road at kilometer 110. Field time focused on soil geochemical sampling both to test the Cretaceous pluton and expand on anomalous results from the 1988 survey. A total of 8 lines were completed, comprising soil 260 samples over approximately 5.5 line-kilometers. Total 2009 YMIP applicable expenditures on the property were \$25,055.78.

## 2009 EXPLORATION RESULTS

The ground at the Dragon Lake property is a good soil sampling target. There are some bogs and a pervasive thick ash layer that complicate sampling but for the most part, B horizon soils were attainable. In some locations, especially in the burn area, there was only soil from the C horizon under the ash layer. Mineralization was found in outcrop/subcrop on the property where it has been most likely previously located as there is very little rock exposure. This consisted of skarnified and silicified sedimentary rocks with massive to semi-massive pyrrhotite and trace chalcopyrite.

### Mapping/Prospecting

Very limited time was spent prospecting on the property and was restricted to outcrops that were intersected during the geochemical sampling. No new discoveries were made during the 2009 program.

### Rock Geochemistry

A total of 2 rock samples (both from subcrop) were collected from the Dragon Lake property area (Figure 4) in 2009. Both samples contained massive to semimassive pyrrhotite and trace chalcopyrite and returned anomalous copper and silver values. The best sample (NTDRR002) returned 4823 ppm Cu and 5.4 ppm Ag. Sample NTDRR001 was also anomalous in gold, returning 870 ppb Au. This sample was collected near trench T-14, and is underlain by the calc-silicate/skarn unit *PCH1d*. Sample NTDRR001 was collected near trenches T-03 and T-05, underlain by limestone and marble of unit *PCH1c*. Despite the different host rock environments, there was very little variation in As, Sb, Bi, and W between the two samples.

### Soil Geochemistry

A total of 260 soil samples from 8 soil lines were collected during the 2009 program (Figure 4): 3 ESE-trending lines covering the contact zone of claims YB67142 and YB67143; and 5 NE-trending lines, normal to Hyland Group stratigraphy covering claims YB67142, 144, and YB96313, 314, and YB96608, 609. All soil samples were analyzed using a hand held Niton XL3t XRF (Figure 5a) with techniques and results in Appendix VI. Based on preliminary results, a total of 27 of those samples were selected for additional ICP sampling for reliable Au and Ag determination (Figure 5b).

Correlation analysis of the XRF versus ICP results (Table 3) indicates that Cu, As, and Bi are in near perfect agreement:  $R^2 = 0.98, 0.95$  and  $0.99$ , respectively. On average, XRF results for those elements

are 15% lower in value than the ICP results. Lead and zinc agreements are good, but less than perfect with  $R^2 = 0.88$ , and  $0.82$ , respectively. Mo, Sn and W have weak to poor analytical-type agreements.

Of all the metals in Table 3, copper and bismuth have the best correlations to gold, with no other significant correlations apparent. It should be noted that these statistics are generated from a limited soil Au dataset with soils collected only from the contact zone (Figure 5b). Nevertheless, they can be used as a first pass statistical baseline to assess potential anomalies in the XRF dataset (Figure 5a).

**Table 3 – Soil Statistics for the ICP dataset**

| n=27             | Mo<br>ppm | Cu<br>ppm  | Pb ppm | Zn<br>ppm | Ag<br>ppm | As ppm | Au ppb | Bi ppm      | Sb ppm | W ppm |
|------------------|-----------|------------|--------|-----------|-----------|--------|--------|-------------|--------|-------|
| min              | 0.13      | 5.04       | 1.78   | 6         | 0.01      | 0.05   | 4.2    | 0.2         | 0.01   | 0.05  |
| max              | 4.3       | 662.3      | 65.5   | 165       | 4.2       | 101.3  | 1660   | 413.7       | 3.7    | 100   |
| average          | 1.5       | 214.3      | 18.4   | 60.9      | 0.6       | 32.1   | 209.8  | 79.1        | 0.9    | 12.7  |
| stdev            | 1.2       | 213.8      | 15.1   | 35.5      | 1         | 26.3   | 425.9  | 121         | 0.8    | 29    |
| 95<br>percentile | 3.8       | 655.9      | 46.1   | 111.8     | 2.4       | 77.4   | 1165   | 327.9       | 2.2    | 100   |
| 99<br>percentile | 4.3       | 662.3      | 65.5   | 165       | 4.2       | 94     | 1660   | 413.7       | 3.3    | 100   |
| XRF<br>correl    | 0.64      | 0.98       | 0.88   | 0.82      |           | 0.95   |        | 0.99        | -0.42  | 0     |
| Au correl        | -0.26     | <b>0.8</b> | 0      | -0.19     | 0.38      | 0.19   | 1      | <b>0.66</b> | -0.16  | -0.11 |

Spatial analysis of the soil samples predictably indicates that the best Au and Cu anomalies are associated with an area of historical workings and Au-soil anomalies, thus verifying part of the 200 x 500 m Au-Ag-Cu soil geochemical anomaly determined by McClintock (1988). Copper anomalies (determined by XRF) over the remainder of the 2009 sampling area (Figure 5a) are not notable except for occasional spot anomalies (e.g. DRL004 07+25N).

A weak arsenic anomaly overlaps with the main historical Au-Cu anomaly. A moderate arsenic anomaly over 150 m, and a moderate to strong arsenic anomaly over 80 meters is apparent at the northeast corner of the 2009 XRF grid (Figure 5a) on lines 4 and 5, respectively.

Despite a good Au-Bi correlation in the ICP dataset, bismuth values over the XRF portion of the grid rarely exceeded the bismuth limit of detection of the Niton XRF unit, which is qualitatively close to 20 ppm. The only appreciable bismuth results are spatially associated with the highest ICP gold soil geochemical results (Figure 5b).

### Stream-Silt Geochemistry

No stream silts were collected from the Dragon Lake property area in 2009.

370000

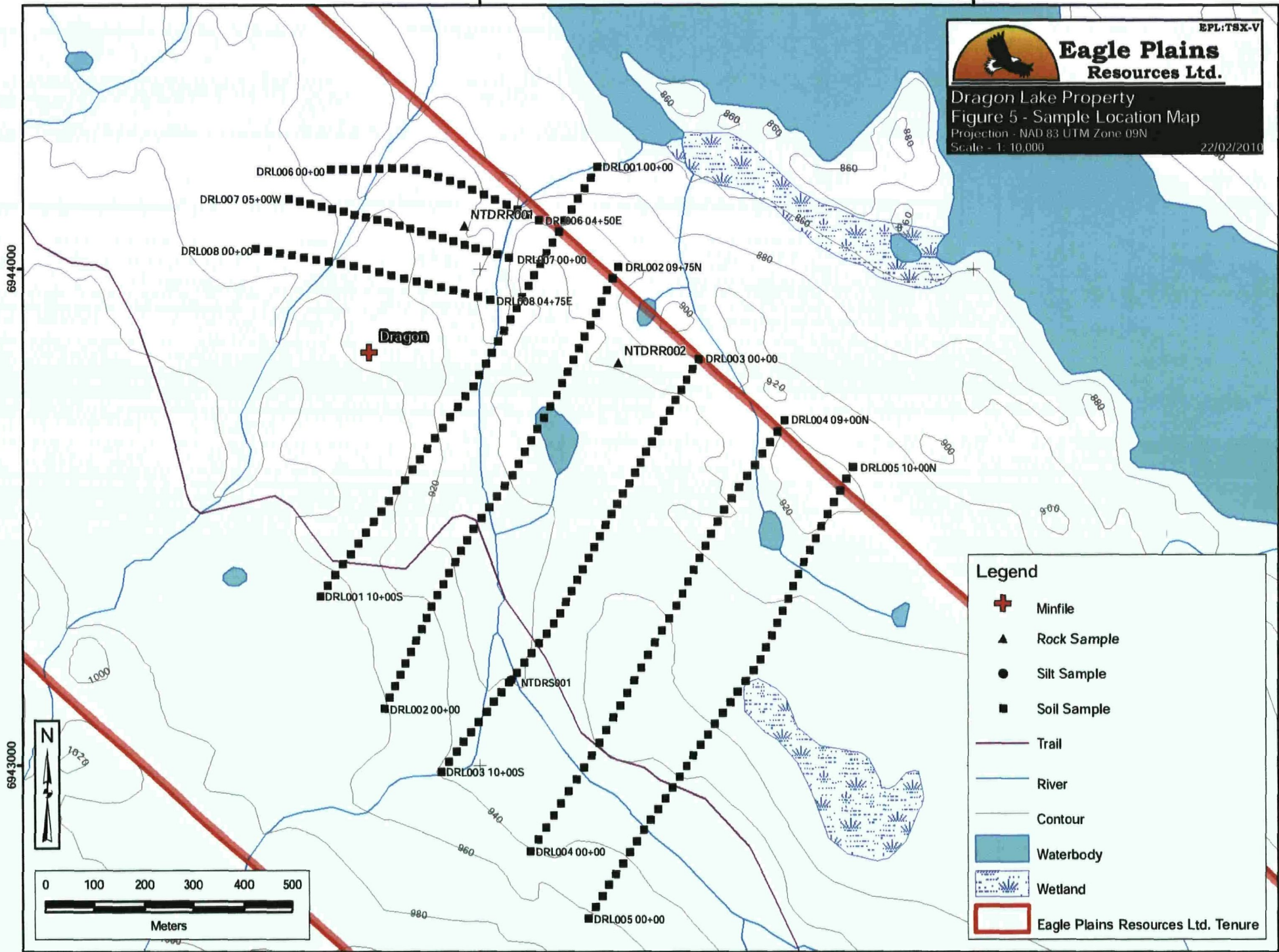
371000

EPL:TSX-V



**Eagle Plains Resources Ltd.**

Dragon Lake Property  
 Figure 5 - Sample Location Map  
 Projection - NAD 83 UTM Zone 09N  
 Scale - 1: 10,000  
 22/02/2010

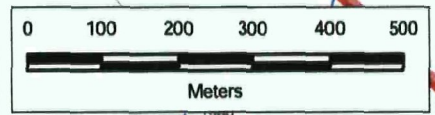
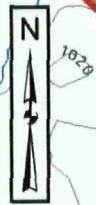


6944000











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6943000

6943000



**Legend**

-  Minifile
-  Rock Sample
-  Silt Sample
-  Soil Sample
-  Trail
-  River
-  Contour
-  Waterbody
-  Wetland
-  Eagle Plains Resources Ltd. Tenure

370000

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EPL:TSX-V



**Eagle Plains Resources Ltd.**

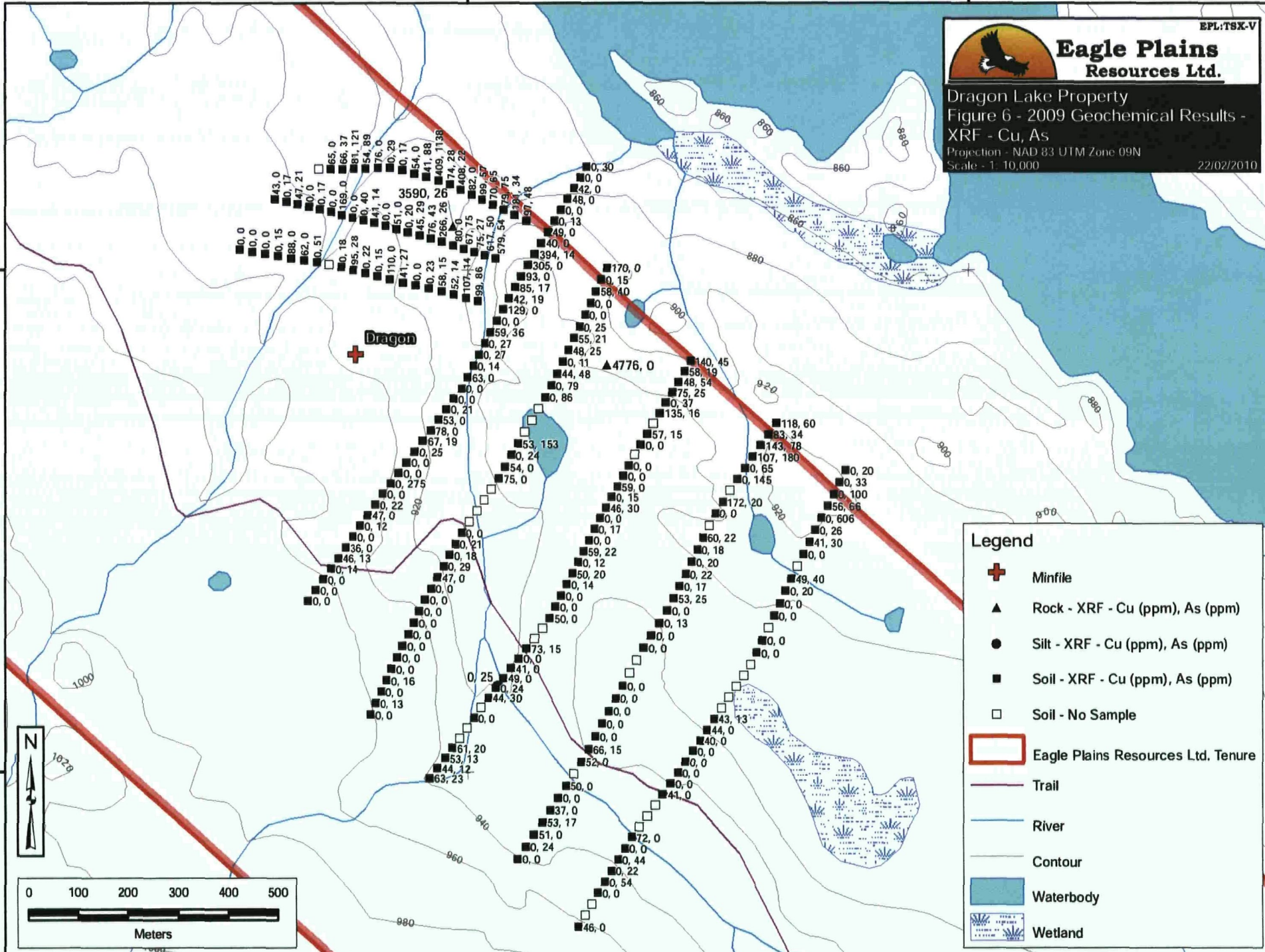
Dragon Lake Property  
 Figure 6 - 2009 Geochemical Results - XRF - Cu, As  
 Projection - NAD 83 UTM Zone 09N  
 Scale - 1:10,000  
 22/02/2010

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

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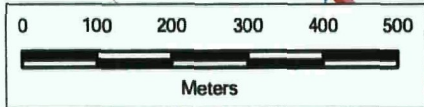
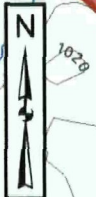
6943000



Dragon

**Legend**

-  Minfile
-  Rock - XRF - Cu (ppm), As (ppm)
-  Silt - XRF - Cu (ppm), As (ppm)
-  Soil - XRF - Cu (ppm), As (ppm)
-  Soil - No Sample
-  Eagle Plains Resources Ltd. Tenure
-  Trail
-  River
-  Contour
-  Waterbody
-  Wetland




370000

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371000

EPL:TSX-V



**Eagle Plains Resources Ltd.**

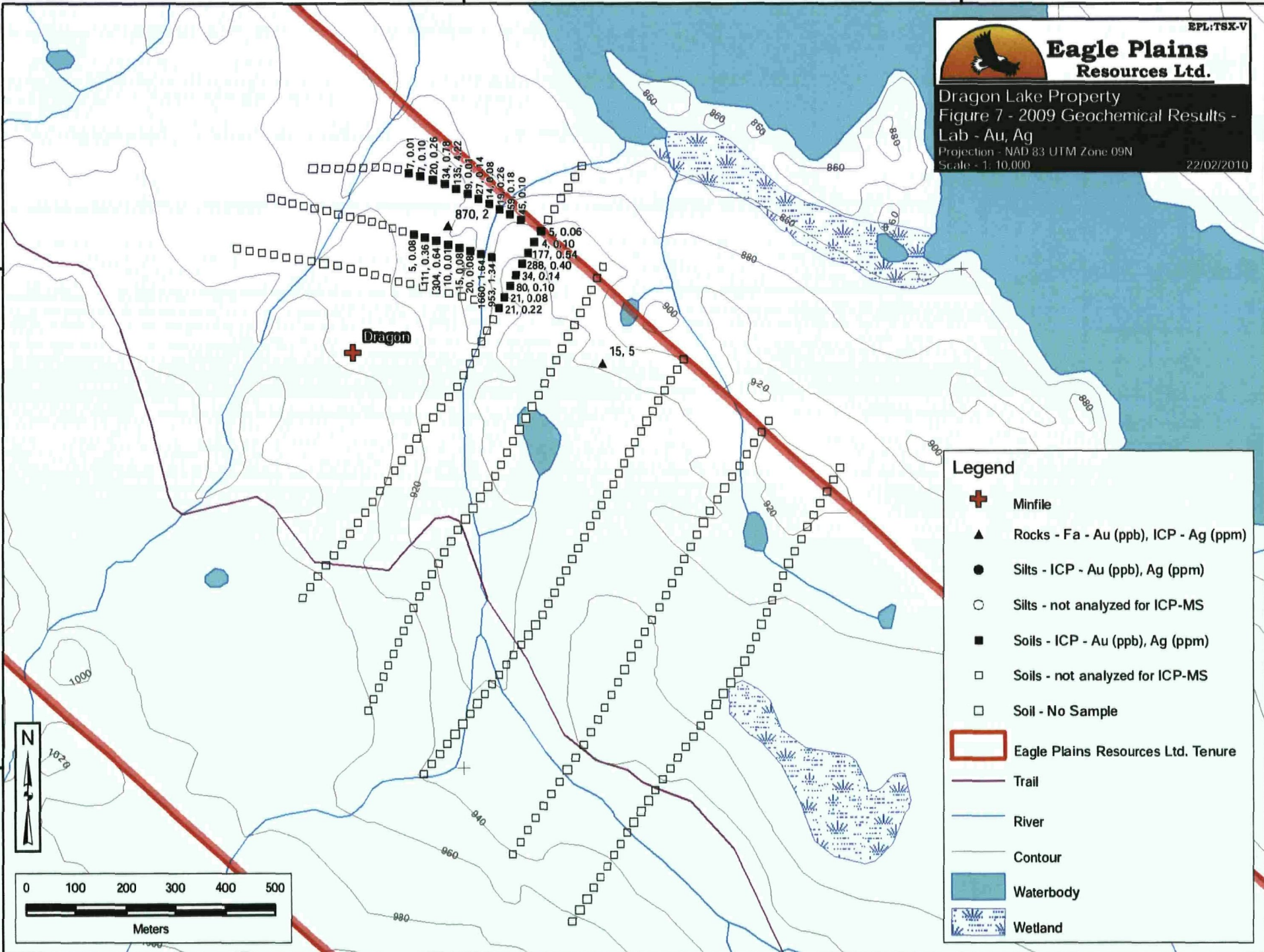
Dragon Lake Property  
 Figure 7 - 2009 Geochemical Results -  
 Lab - Au, Ag  
 Projection - NAD 83 UTM Zone 09N  
 Scale - 1:10,000  
 22/02/2010

6944000

6944000

6943000

6943000



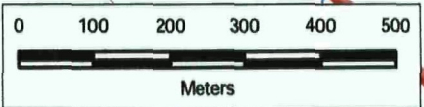
Dragon

15, 5

7, 0.01  
 7, 0.10  
 20, 0.26  
 34, 0.78  
 135, 4.22  
 19, 0.01  
 27, 0.44  
 14, 0.08  
 19, 0.26  
 69, 0.18  
 45, 0.10  
 870, 2  
 5, 0.06  
 4, 0.10  
 177, 0.84  
 288, 0.40  
 34, 0.14  
 80, 0.10  
 21, 0.08  
 21, 0.22  
 10, 0.01  
 15, 0.08  
 20, 0.08  
 166, 1.64  
 953, 1.34

**Legend**

- Minfile
- Rocks - Fa - Au (ppb), ICP - Ag (ppm)
- Silts - ICP - Au (ppb), Ag (ppm)
- Silts - not analyzed for ICP-MS
- Soils - ICP - Au (ppb), Ag (ppm)
- Soils - not analyzed for ICP-MS
- Soil - No Sample
- Eagle Plains Resources Ltd. Tenure
- Trail
- River
- Contour
- Waterbody
- Wetland



370000

371000

## CONCLUSIONS

Prior to the 2009 field program, the objectives were to follow-up 2005 recommendations, with emphasis on ground-truthing the 2004 IP geophysical results by prospecting and alteration mapping, and additional soil geochemistry surveys; all for the purposes of locating new mineralization and establishment of refined drill collar locations.

Due to poor outcrop exposure on the property, it was verified that a thorough ground-truthing of geophysical anomalies is impossible without trenching or drilling activities. An analysis of the XRF versus ICP results shows that important indicator elements for the Dragon Lake Property, such as Sb, Bi, and W have statistically relevant values that are close to the limits of detection of the Niton XL3t XRF. As such, it is recommended that future geochemical programs utilize lab based ICP analysis with more appropriate levels of detection. The XRF would still be a very useful tool to be used in the field to provide in-field results so as to aid in the focus soil programs for infill or expansion of anomalous values for Cu, As and Bi where applicable.

The 2009 soil geochemical program broadly covered most of the geophysical anomalous regions with XRF results for Cu and As. The copper results failed to outline a prospective Cu (skarn?) horizon to the southeast of the historical showings in the unaltered phyllite and limestone units of PCH1b and PCH1c. However, arsenic results indicate a potential horizon of interest at the northeast limit of the 2009 grid, that is 80 to 150 meters wide by 200 + meters long. The anomaly is open to the southeast, and potentially aligns with a series of magnetic troughs and subtle geochemical anomalies up to 500 meters to the northwest.

## RECOMMENDATIONS

- 6) Several historical reports mention the importance of NNW-trending mineralization controlling structures. A detailed compilation of existing trenching, drilling and geophysical datasets should be undertaken in order to better constrain the structural framework of the property area.
- 7) 2009 soil samples, up to 200 meters south of the PCH1a/PCH1c contact that were not previously analyzed by ICP, should be submitted for lab analysis.
- 8) Infill soil geochemistry and additional soil lines should be established eastwards and northwards in order to further delineate the 2009 arsenic soil anomaly, and east extension of the historically known skarn mineralization further to the north.
  - 3b) New soil geochemical areas should be prospected and mapped if possible.
- 9) Based on the analysis in (1) in relation to current and future geochemical datasets (2-3), additional untested targets should be selected for trenching and or drilling activities.
- 10) A detailed airborne geophysical survey is recommended over the property and surrounding region in order to better define the geophysical signature of the known showings, to locate additional near surface and buried intrusions, and to highlight broader scale structures that may have contributed to the movement of mineralized fluids.

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Yukon Minfile, DIAND, 1997



**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 Senior 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 report entitled "Geochemical Report for the Dragon Lake Property, March 16, 2010".

Dated at Cranbrook, British Columbia, Canada this 16<sup>th</sup> day of March, 2010.

Respectfully submitted

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

**Appendix II – Statement of Expenditures**

| <b>Target Evaluation Program: Dragon Lake Project (YMIP# 09-035)</b> |                                                                        |                    |
|----------------------------------------------------------------------|------------------------------------------------------------------------|--------------------|
| <b>2009 Expenditures</b>                                             |                                                                        |                    |
| 1                                                                    | no daily living allowance , accept actual expenses instead             |                    |
| 2                                                                    | <b>Travel</b>                                                          |                    |
|                                                                      | Truck Rental                                                           | \$450.00           |
|                                                                      | Truck (684 km @ \$ 0.30 /km)                                           | \$205.20           |
|                                                                      | Helicopter (includes fuel)                                             | \$4,480.00         |
| 3                                                                    | <b>Analyses / Assay Costs</b>                                          | \$623.08           |
|                                                                      | Other Expenses (groceries, fuel, field consumables, freight)           | \$999.60           |
|                                                                      | 15% Handling fee                                                       | \$867.90           |
| 4                                                                    | <b>Equipment Rentals / Supplies</b>                                    |                    |
|                                                                      | Niton XRF                                                              | \$1,687.50         |
|                                                                      | Field supplies for crew, GPS, pack, vests, first aid, palm, hammer (5) | \$787.50           |
|                                                                      | Hand Held Radios (5)                                                   | \$225.00           |
|                                                                      | Computer (2)                                                           | \$90.00            |
|                                                                      | Printer                                                                | \$45.00            |
|                                                                      | Sat. phone (2)                                                         | \$140.00           |
|                                                                      | 5-ton enclosed trailer                                                 | \$450.00           |
|                                                                      | Chain Saw                                                              | \$45.00            |
|                                                                      | Small Gas Generator                                                    | \$202.50           |
|                                                                      | Large Gas Generator                                                    | \$270.00           |
|                                                                      | Camp Rental                                                            | \$675.00           |
|                                                                      | Shot Guns (2)                                                          | \$90.00            |
|                                                                      | Digital Cameras (2)                                                    | \$90.00            |
|                                                                      | Satellite Internet                                                     | \$45.00            |
|                                                                      | <b>Wages for field work</b>                                            |                    |
|                                                                      | Aaron Higgs, Project Geologist                                         | \$2,250.00         |
|                                                                      | Bronwyn Wallace, Senior Geologist                                      | \$2,025.00         |
|                                                                      | Brad Robison, GIS Technician                                           | \$2,925.00         |
|                                                                      | Nathan Taylor, Geological Technicians                                  | \$1,687.50         |
|                                                                      | L. Jones                                                               | \$1,575.00         |
| 13                                                                   | Report Preparation, data analysis and compilation                      |                    |
|                                                                      | Aaron Higgs, Project Geologist                                         | \$1,000.00         |
|                                                                      | Glen Hendrickson, GIS                                                  | \$1,125.00         |
| <b>TOTAL EXPENSES</b>                                                |                                                                        | <b>\$25,055.78</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**

**4.2 Soil 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                                                            |
|---------------|---------|--------------|------------|-------------|-------------|--------------|----------|-------------------|-------------------|----------------|--------------------|-------------|---------|-----------------------|------------------------|------------------------|----------------------|--------|------------|-------------|-----------------------------------------------------------------------------|
| NTDRR001      | NT      | 26/07/2009   | 369970     | 6944086     |             |              | SELECT   | Sandstone         | SELECT            | grey           | rusty              | fine-medium | massive | SELECT                | pyrrhotite             | SELECT                 | MASSIVE              | 40     | SELECT     | 3           | subcrop boulders on hill, very little outcrop around, no similar min in o/c |
| NTDRR002      | NT      | 25/07/2009   | 370280     | 6943811     |             |              | SELECT   | Sandstone         | SELECT            | greyish        | rusty              | fine        | massive | SELECT                | pyrrhotite             | chalcopyrite           | SEMIMASSIVE          | 15     | SELECT     | 3           | subcrop/outcrop, side of hill in hole                                       |

## Appendix 4.2 - Soil Sample Locations and Descriptions

| Sample Number | Sampler | Date (m/d/y) | UTM - East   | UTM - North    | Colour - 1 | Colour - 2 | Slope - Degrees | Depth (cm) | Soil Horizon | Quality (1-5) | Note - 1   | Note - 2 |
|---------------|---------|--------------|--------------|----------------|------------|------------|-----------------|------------|--------------|---------------|------------|----------|
| DRL001 00+00  | LJ      | 25/07/2009   | 370238       | 6944208        | light      | brown      | 0 - 20          | 25         | B            | 3             | LINE_START | N/A      |
| DRL001 00+25S | LJ      | 25/07/2009   | 370224 93757 | 6944184 192383 | brown      | brown      | 0 - 20          | 35         | A            | 3             | ORGANIC    | N/A      |
| DRL001 00+50S | LJ      | 25/07/2009   | 370211.87514 | 6944162 384767 | dark       | brown      | 0 - 20          | 25         | A            | 2             | ORGANIC    | N/A      |
| DRL001 00+75S | LJ      | 25/07/2009   | 370198 81271 | 6944140 577150 | light      | brown      | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL001 01+00S | LJ      | 25/07/2009   | 370185 75028 | 6944118 769534 | dark       | brown      | 0 - 20          | 45         | B            | 3             | ORGANIC    | N/A      |
| DRL001 01+25S | LJ      | 25/07/2009   | 370172 68785 | 6944096 961917 | golden     | brown      | 0 - 20          | 15         | B            | 4             | ROCKY      | N/A      |
| DRL001 01+50S | LJ      | 25/07/2009   | 370159 62542 | 6944075 154301 | golden     | brown      | 0 - 20          | 15         | B            | 3             | N/A        | N/A      |
| DRL001 01+75S | LJ      | 25/07/2009   | 370146 56299 | 6944053 346684 | golden     | brown      | 0 - 20          | 15         | B            | 1             | ASH        | N/A      |
| DRL001 02+00S | LJ      | 25/07/2009   | 370133 50056 | 6944031 539068 | golden     | brown      | 0 - 20          | 15         | B            | 4             | ROCKY      | N/A      |
| DRL001 02+25S | LJ      | 25/07/2009   | 370120 43813 | 6944009 731451 | golden     | brown      | 0 - 20          | 15         | B            | 4             | ROCKY      | N/A      |
| DRL001 02+50S | LJ      | 25/07/2009   | 370108 27889 | 6943987 408488 | golden     | brown      | 0 - 20          | 15         | B            | 4             | ROCKY      | N/A      |
| DRL001 02+75S | LJ      | 25/07/2009   | 370096 15100 | 6943965 067639 | rusty      | brown      | 0 - 20          | 15         | B            | 4             | ROCKY      | N/A      |
| DRL001 03+00S | LJ      | 25/07/2009   | 370084 02311 | 6943942 726790 | light      | brown      | 0 - 20          | 5          | B            | 3             | ROCKY      | N/A      |
| DRL001 03+25S | LJ      | 25/07/2009   | 370071 89523 | 6943920 385941 | light      | brown      | 0 - 20          | 25         | C            | 1             | ROCKY      | N/A      |
| DRL001 03+50S | LJ      | 25/07/2009   | 370059 76734 | 6943898 045093 | dark       | brown      | 0 - 20          | 45         | B            | 3             | ORGANIC    | N/A      |
| DRL001 03+75S | LJ      | 25/07/2009   | 370047 63945 | 6943875 704244 | brown      | brown      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL001 04+00S | LJ      | 25/07/2009   | 370035 51156 | 6943853.363395 | brown      | brown      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL001 04+25S | LJ      | 25/07/2009   | 370023 38367 | 6943831 022546 | brown      | brown      | 0 - 20          | 15         | B            | 3             | ORGANIC    | N/A      |
| DRL001 04+50S | LJ      | 25/07/2009   | 370011 25578 | 6943808 681698 | brown      | brown      | 0 - 20          | 25         | B            | 4             | ORGANIC    | N/A      |
| DRL001 04+75S | LJ      | 25/07/2009   | 369999 12789 | 6943786 340849 | brown      | golden     | 0 - 20          | 25         | B            | 4             | ROCKY      | N/A      |
| DRL001 05+00S | LJ      | 25/07/2009   | 369987       | 6943764        | brown      | rusty      | 0 - 20          | 15         | A            | 2             | ASH        | 5M PAST  |
| DRL001 05+25S | LJ      | 25/07/2009   | 369971 45409 | 6943742 956150 | light      | brown      | 0 - 20          | 15         | A            | 2             | ASH        | N/A      |
| DRL001 05+50S | LJ      | 25/07/2009   | 369955 90819 | 6943721.912300 | rusty      | brown      | 0 - 20          | 15         | B            | 3             | ROCKY      | N/A      |
| DRL001 05+75S | LJ      | 25/07/2009   | 369940 36228 | 6943700.868451 | grey       | brown      | 0 - 20          | 25         | B            | 3             | ORGANIC    | N/A      |
| DRL001 06+00S | LJ      | 25/07/2009   | 369924 81637 | 6943679 824601 | brown      | brown      | 0 - 20          | 25         | B            | 3             | N/A        | N/A      |
| DRL001 06+25S | LJ      | 25/07/2009   | 369909 27046 | 6943658.780751 | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL001 06+50S | LJ      | 25/07/2009   | 369893 72456 | 6943637.736901 | golden     | brown      | 0 - 20          | 25         | B            | 4             | ROCKY      | N/A      |
| DRL001 06+75S | LJ      | 25/07/2009   | 369878 17865 | 6943616 693051 | rusty      | brown      | 0 - 20          | 15         | B            | 5             | N/A        | N/A      |
| DRL001 07+00S | LJ      | 25/07/2009   | 369862 63274 | 6943595 649201 | rusty      | brown      | 0 - 20          | 15         | B            | 4             | ROCKY      | N/A      |
| DRL001 07+25S | LJ      | 25/07/2009   | 369847 08684 | 6943574 605352 | light      | brown      | 0 - 20          | 15         | B            | 2             | ORGANIC    | N/A      |
| DRL001 07+50S | LJ      | 25/07/2009   | 369831 54093 | 6943553 561502 | rusty      | light      | 0 - 20          | 15         | B            | 3             | ROCKY      | N/A      |
| DRL001 07+75S | LJ      | 25/07/2009   | 369816 13416 | 6943532 416428 | rusty      | light      | 0 - 20          | 15         | B            | 4             | ROCKY      | N/A      |
| DRL001 08+00S | LJ      | 25/07/2009   | 369800 89703 | 6943511.147936 | rusty      | light      | 0 - 20          | 15         | B            | 3             | ROCKY      | N/A      |
| DRL001 08+25S | LJ      | 25/07/2009   | 369785 65990 | 6943489.879444 | light      | brown      | 0 - 20          | 15         | B            | 4             | N/A        | N/A      |
| DRL001 08+50S | LJ      | 25/07/2009   | 369770 42277 | 6943468.610952 | red        | brown      | 0 - 20          | 25         | B            | 4             | ROCKY      | N/A      |
| DRL001 08+75S | LJ      | 25/07/2009   | 369755 18564 | 6943447.342460 | dark       | brown      | 0 - 20          | 35         | B            | 4             | ORGANIC    | N/A      |

## Appendix 4.2 - Soil Sample Locations and Descriptions

| Sample Number | Sampler | Date (m/d/y) | UTM - East   | UTM - North    | Colour - 1 | Colour - 2 | Slope - Degrees | Depth (cm) | Soil Horizon | Quality (1-5) | Note - 1   | Note - 2 |
|---------------|---------|--------------|--------------|----------------|------------|------------|-----------------|------------|--------------|---------------|------------|----------|
| DRL002 07+75N | LJ      | 25/07/2009   | 370189 09091 | 6943816 363636 | golden     | brown      | 0 - 20          | 35         | B            | 4             | N/A        | N/A      |
| DRL002 08+00N | LJ      | 25/07/2009   | 370200 45455 | 6943839 818182 | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL002 08+25N | LJ      | 25/07/2009   | 370211 81818 | 6943863 272727 | golden     | brown      | 0 - 20          | 25         | B            | 5             | N/A        | N/A      |
| DRL002 08+50N | LJ      | 25/07/2009   | 370223 18182 | 6943886 727273 | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL002 08+75N | LJ      | 25/07/2009   | 370234 54545 | 6943910 181818 | light      | brown      | 0 - 20          | 35         | B            | 1             | ORGANIC    | ASH      |
| DRL002 09+00N | LJ      | 25/07/2009   | 370245 90909 | 6943933 636364 | dark       | brown      | 0 - 20          | 35         | B            | 2             | ORGANIC    | N/A      |
| DRL002 09+25N | LJ      | 25/07/2009   | 370257 27273 | 6943957 090909 | golden     | brown      | 0 - 20          | 25         | B            | 5             | N/A        | N/A      |
| DRL002 09+50N | LJ      | 25/07/2009   | 370268 63636 | 6943980 545455 | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL002 09+75N | LJ      | 25/07/2009   | 370280       | 6944004        | brown      | brown      | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL003 00+00  | NT      | 25/07/2009   | 370444       | 6943818        | rusty      | brown      | 0 - 20          | 25         | B            | 4             | LINE_START | N/A      |
| DRL003 00+25S | NT      | 25/07/2009   | 370431 89826 | 6943797 254166 | rusty      | brown      | 0 - 20          | 25         | B            | 4             | N/A        | ASH      |
| DRL003 00+50S | NT      | 25/07/2009   | 370419 79653 | 6943776 508333 | rusty      | brown      | 0 - 20          | 35         | B            | 3             | N/A        | ORGANIC  |
| DRL003 00+75S | NT      | 25/07/2009   | 370407 69479 | 6943755 762499 | rusty      | brown      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL003 01+00S | NT      | 25/07/2009   | 370395 59306 | 6943735 016666 | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL003 01+25S | NT      | 25/07/2009   | 370383 49132 | 6943714 270832 | golden     | brown      | 0 - 20          | 15         | B            | 4             | ROCKY      | N/A      |
| DRL003 01+50S | NT      | 25/07/2009   | 370371 38958 | 6943693 524999 | golden     | brown      | 0 - 20          | 15         | B            | 4             | ORGANIC    | N/A      |
| DRL003 01+75S | NT      | 25/07/2009   | 370359 28785 | 6943672 779165 | golden     | brown      | 0 - 20          | 25         | B            | 3             | ROCKY      | N/A      |
| DRL003 02+00S | NT      | 25/07/2009   | 370347 39162 | 6943651 916255 | golden     | brown      | 0 - 20          | 25         | B            | 3             | ROCKY      | N/A      |
| DRL003 02+25S | NT      | 25/07/2009   | 370335 71767 | 6943630 926723 | golden     | brown      | 0 - 20          | 25         | B            | 3             | ROCKY      | N/A      |
| DRL003 02+50S | NT      | 25/07/2009   | 370324 04372 | 6943609 937181 | rusty      | brown      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL003 02+75S | NT      | 25/07/2009   | 370312 36977 | 6943588 947659 | grey       | dark       | 0 - 20          | 25         | B            | 3             | ROCKY      | N/A      |
| DRL003 03+00S | NT      | 25/07/2009   | 370300 69581 | 6943567 958127 | black      | dark       | 0 - 20          | 25         | A            | 3             | N/A        | N/A      |
| DRL003 03+25S | NT      | 25/07/2009   | 370289 02186 | 6943546 968596 | brown      | light      | 0 - 20          | 15         | B            | 3             | N/A        | N/A      |
| DRL003 03+50S | NT      | 25/07/2009   | 370277 34791 | 6943525 979064 | brown      | golden     | 0 - 20          | 15         | B            | 4             | N/A        | N/A      |
| DRL003 03+75S | NT      | 25/07/2009   | 370265 67395 | 6943504 989532 | brown      | light      | 0 - 20          | 15         | B            | 3             | N/A        | N/A      |
| DRL003 04+00S | NT      | 25/07/2009   | 370254       | 6943484        | brown      | light      | 0 - 20          | 15         | B            | 3             | N/A        | N/A      |
| DRL003 04+25S | NT      | 25/07/2009   | 370242 65598 | 6943461 794678 | brown      | light      | 0 - 20          | 15         | B            | 3             | N/A        | N/A      |
| DRL003 04+50S | NT      | 25/07/2009   | 370231 31195 | 6943439 589357 | brown      | rusty      | 0 - 20          | 15         | B            | 4             | N/A        | N/A      |
| DRL003 04+75S | NT      | 25/07/2009   | 370219 96793 | 6943417 384035 | brown      | light      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL003 05+00S | NT      | 25/07/2009   | 370208 62391 | 6943395 178714 | brown      | light      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL003 05+25S | NT      | 25/07/2009   | 370197 27989 | 6943372 973392 | brown      | light      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL003 05+50S | NT      | 25/07/2009   | 370185 93586 | 6943350 768070 | brown      | light      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL003 05+75S | NT      | 25/07/2009   | 370174 59184 | 6943328 562749 | brown      | golden     | 0 - 20          | 35         | B            | 4             | N/A        | N/A      |
| DRL003 06+00S | NT      | 25/07/2009   | 370163 24782 | 6943306 357427 | brown      | NA         | 0 - 20          | 35         | B            | 4             | N/A        | N/A      |
| DRL003 06+25S | NT      | 25/07/2009   | 370149.10585 | 6943285 928132 |            |            |                 |            |              |               |            |          |
| DRL003 06+50S | NT      | 25/07/2009   | 370133 84100 | 6943266 211295 |            |            |                 |            |              |               |            |          |

## Appendix 4.2 - Soil Sample Locations and Descriptions

| Sample Number | Sampler | Date (m/d/y) | UTM - East   | UTM - North    | Colour - 1 | Colour - 2 | Slope - Degrees | Depth (cm) | Soil Horizon | Quality (1-5) | Note - 1      | Note - 2  |
|---------------|---------|--------------|--------------|----------------|------------|------------|-----------------|------------|--------------|---------------|---------------|-----------|
| DRL001 09+00S | LJ      | 25/07/2009   | 369739 94851 | 6943426 073968 | golden     | brown      | 0 - 20          | 25         | B            | 5             | N/A           | N/A       |
| DRL001 09+25S | LJ      | 25/07/2009   | 369724 71139 | 6943404 805476 | light      | brown      | 0 - 20          | 25         | B            | 3             | ROCKY         | ORGANIC   |
| DRL001 09+50S | LJ      | 25/07/2009   | 369709 47426 | 6943383 536984 | golden     | brown      | 0 - 20          | 25         | B            | 5             | N/A           | N/A       |
| DRL001 09+75S | LJ      | 25/07/2009   | 369694 23713 | 6943362 268492 | golden     | brown      | 0 - 20          | 25         | B            | 5             | N/A           | N/A       |
| DRL001 10+00S | LJ      | 25/07/2009   | 369679       | 6943341        | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A           | N/A       |
| DRL002 00+00  | LJ      | 25/07/2009   | 369807       | 6943114        | light      | brown      | 0 - 20          | 35         | B            | 4             | LINE_START    | N/A       |
| DRL002 00+25N | LJ      | 25/07/2009   | 369817.64646 | 6943136 930844 | rusty      | brown      | 0 - 20          | 35         | B            | 4             | N/A           | N/A       |
| DRL002 00+50N | LJ      | 25/07/2009   | 369828 29293 | 6943159 861687 | rusty      | brown      | 0 - 20          | 35         | B            | 4             | N/A           | N/A       |
| DRL002 00+75N | LJ      | 25/07/2009   | 369838 93939 | 6943182 792531 | rusty      | brown      | 0 - 20          | 25         | B            | 4             | N/A           | N/A       |
| DRL002 01+00N | LJ      | 25/07/2009   | 369849 58585 | 6943205 723375 | light      | brown      | 0 - 20          | 25         | B            | 3             | ASH           | 5M BEFORE |
| DRL002 01+25N | LJ      | 25/07/2009   | 369860 23232 | 6943228 654218 | brown      | brown      | 0 - 20          | 15         | B            | 3             | ORGANIC       | ROCKY     |
| DRL002 01+50N | LJ      | 25/07/2009   | 369870 87878 | 6943251 585062 | golden     | brown      | 0 - 20          | 35         | B            | 4             | N/A           | N/A       |
| DRL002 01+75N | LJ      | 25/07/2009   | 369881 52524 | 6943274 515906 | light      | brown      | 0 - 20          | 25         | B            | 1             | ASH           | ROCKY     |
| DRL002 02+00N | LJ      | 25/07/2009   | 369892 17171 | 6943297 448749 | light      | grey       | 0 - 20          | 25         | B            | 1             | ASH           | ROCKY     |
| DRL002 02+25N | LJ      | 25/07/2009   | 369902 81817 | 6943320 377593 | rusty      | brown      | 0 - 20          | 25         | B            | 2             | ROCKY         | N/A       |
| DRL002 02+50N | LJ      | 25/07/2009   | 369913 82337 | 6943343 126645 | light      | brown      | 0 - 20          | 25         | B            | 1             | ROCKY         | ORGANIC   |
| DRL002 02+75N | LJ      | 25/07/2009   | 369926 01947 | 6943365 272204 | golden     | brown      | 0 - 20          | 35         | B            | 3             | ROCKY         | ASH       |
| DRL002 03+00N | LJ      | 25/07/2009   | 369938 21558 | 6943387 417763 | golden     | brown      | 0 - 20          | 25         | B            | 3             | ROCKY         | N/A       |
| DRL002 03+25N | LJ      | 25/07/2009   | 369950 41168 | 6943409 563323 | golden     | brown      | 0 - 20          | 25         | B            | 4             | ROCKY         | N/A       |
| DRL002 03+50N | LJ      | 25/07/2009   | 369962 60779 | 6943431 708882 | rusty      | brown      | 0 - 20          | 25         | B            | 4             | ROCKY         | N/A       |
| DRL002 03+75N | LJ      | 25/07/2009   | 369974 80389 | 6943453 854441 | rusty      | brown      | 0 - 20          | 15         | B            | 5             | N/A           | N/A       |
| DRL002 04+00N | LJ      | 25/07/2009   | 369987       | 6943476        | rusty      | brown      | 0 - 20          | 15         | B            | 4             | N/A           | N/A       |
| DRL002 04+25N | LJ      | 25/07/2009   | 370002 44764 | 6943497 587086 | rusty      | brown      | 0 - 20          | 15         | B            | 4             | CROSSED_CREEK | N/A       |
| DRL002 04+50N | LJ      | 25/07/2009   | 370017.89528 | 6943519 174173 | rusty      | brown      | 0 - 20          | 15         | B            | 4             | CROSSED_CREEK | N/A       |
| DRL002 04+75N | LJ      | 25/07/2009   | 370033 34292 | 6943540 761259 | rusty      | brown      | 0 - 20          | 15         | B            | 4             | CROSSED_CREEK | N/A       |
| DRL002 05+00N | LJ      | 25/07/2009   | 370048 79056 | 6943562 348346 | rusty      | brown      | 0 - 20          | 15         | B            | 4             | CROSSED_CREEK | N/A       |
| DRL002 05+25N | LJ      | 25/07/2009   | 370064 2382  | 6943583 935432 | light      | brown      | 0 - 20          | 15         | A            | 3             | ORGANIC       | ROCKY     |
| DRL002 05+50N | LJ      | 25/07/2009   | 370076.58376 | 6943607 420174 | light      | brown      | 20 - 40         | 5          | B            | 3             | ROCKY         | N/A       |
| DRL002 05+75N | LJ      | 25/07/2009   | 370088 7684  | 6943631 003353 | rusty      | brown      | 0 - 20          | 15         | B            | 4             | N/A           | N/A       |
| DRL002 06+00N | LJ      | 25/07/2009   | 370101 44274 | 6943654 317233 | golden     | brown      | 0 - 20          | 15         | B            | 5             | N/A           | N/A       |
| DRL002 06+25N | LJ      | 25/07/2009   | 370114 83205 | 6943677 237924 | golden     | brown      | 0 - 20          | 15         | B            | 5             | CROSSED_CREEK | N/A       |
| DRL002 06+50N | LJ      | 25/07/2009   | 370128 22137 | 6943700 158616 | golden     | brown      | 0 - 20          | 15         | B            | 5             | CROSSED_CREEK | N/A       |
| DRL002 06+75N | LJ      | 25/07/2009   | 370141 61068 | 6943723 078308 | golden     | brown      | 0 - 20          | 15         | B            | 5             | CROSSED_CREEK | N/A       |
| DRL002 07+00N | LJ      | 25/07/2009   | 370155       | 6943746        | brown      | brown      | 0 - 20          | 25         | B            | 4             | ROCKY         | N/A       |
| DRL002 07+25N | LJ      | 25/07/2009   | 370166 38364 | 6943769 454545 | brown      | brown      | 0 - 20          | 25         | B            | 4             | ROCKY         | N/A       |
| DRL002 07+50N | LJ      | 25/07/2009   | 370177 72727 | 6943792 909091 | dark       | brown      | 0 - 20          | 25         | B            | 5             | N/A           | N/A       |



## Appendix 4.2 - Soil Sample Locations and Descriptions

| Sample Number | Sampler | Date (m/d/y) | UTM - East   | UTM - North    | Colour - 1 | Colour - 2 | Slope - Degrees | Depth (cm) | Soil Horizon | Quality (1-5) | Note - 1   | Note - 2 |
|---------------|---------|--------------|--------------|----------------|------------|------------|-----------------|------------|--------------|---------------|------------|----------|
| DRL003 06+75S | NT      | 25/07/2009   | 370118 57635 | 6943246 494457 | brown      | NA         | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL003 07+00S | NT      | 25/07/2009   | 370103 31171 | 6943228 77762  | grey       | NA         | 0 - 20          | 35         | B            | 2             | ROCKY      | N/A      |
| DRL003 07+25S | NT      | 25/07/2009   | 370088 04706 | 6943207 080782 | grey       | dark       | 0 - 20          | 35         | B            | 2             | ORGANIC    | N/A      |
| DRL003 07+50S | NT      | 25/07/2009   | 370072 78241 | 6943187 343945 | brown      | NA         | 0 - 20          | 35         | B            | 3             | ORGANIC    | N/A      |
| DRL003 07+75S | NT      | 25/07/2009   | 370057 51776 | 6943167 627108 | black      | NA         | 0 - 20          | 35         | A            | 3             | ORGANIC    | N/A      |
| DRL003 08+00S | NT      | 25/07/2009   | 370042 25311 | 6943147 910270 | brown      | NA         | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL003 08+25S | NT      | 25/07/2009   | 370027 29937 | 6943127 957269 |            |            |                 |            |              |               |            |          |
| DRL003 08+50S | NT      | 25/07/2009   | 370012 39946 | 6943107 963374 | brown      | grey       | 0 - 20          | 35         | B            | 2             | 5M PAST    | ROCKY    |
| DRL003 08+75S | NT      | 25/07/2009   | 369997 49955 | 6943087 969478 |            |            |                 |            |              |               |            |          |
| DRL003 09+00S | NT      | 25/07/2009   | 369982 59964 | 6943067 975582 | brown      | grey       | 0 - 20          | 35         | B            | 2             | PERMAFROST | ROCKY    |
| DRL003 09+25S | NT      | 25/07/2009   | 369967 69973 | 6943047 981687 | brown      | NA         | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL003 09+50S | NT      | 25/07/2009   | 369952 79982 | 6943027 987791 | brown      | NA         | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL003 09+75S | NT      | 25/07/2009   | 369937 89991 | 6943007 993896 | brown      | NA         | 0 - 20          | 35         | B            | 4             | N/A        | N/A      |
| DRL003 10+00S | NT      | 25/07/2009   | 369923       | 6942988        | brown      | golden     | 20 - 40         | 25         | B            | 4             | LINE_END   | N/A      |
| DRL004 00+00  | NT      | 25/07/2009   | 370101       | 6942828        | brown      | light      | 0 - 20          | 35         | B            | 3             | LINE_START | N/A      |
| DRL004 00+25N | NT      | 25/07/2009   | 370116 72608 | 6942852 121209 | brown      | red        | 0 - 20          | 25         | B            | 3             | ROCKY      | N/A      |
| DRL004 00+50N | NT      | 25/07/2009   | 370132 45216 | 6942876 242418 | brown      | black      | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL004 00+75N | NT      | 25/07/2009   | 370148 17825 | 6942900 363627 | brown      | black      | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL004 01+00N | NT      | 25/07/2009   | 370183 90433 | 6942924 484836 | brown      | black      | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL004 01+25N | NT      | 25/07/2009   | 370179 63041 | 6942948 606045 | brown      | grey       | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL004 01+50N | NT      | 25/07/2009   | 370195 35849 | 6942972 727253 | grey       | NA         | 0 - 20          | 35         | A            | 3             | ROCKY      | N/A      |
| DRL004 01+75N | NT      | 25/07/2009   | 370211 08258 | 6942996 848462 | grey       | NA         | 0 - 20          | 35         | A            | 3             | PERMAFROST | N/A      |
| DRL004 02+00N | NT      | 25/07/2009   | 370226 80866 | 6943020 969671 | grey       | NA         | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL004 02+25N | NT      | 25/07/2009   | 370241 54758 | 6943045 683822 | rusty      | NA         | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL004 02+50N | NT      | 25/07/2009   | 370255 45472 | 6943070 897584 | dark       | grey       | 0 - 20          | 35         | B            | 3             | ROCKY      | N/A      |
| DRL004 02+75N | NT      | 25/07/2009   | 370269 36186 | 6943096 111346 | brown      | golden     | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL004 03+00N | NT      | 25/07/2009   | 370283 26901 | 6943121 325107 | brown      | NA         | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL004 03+25N | NT      | 25/07/2009   | 370297 17615 | 6943146 538869 | brown      | grey       | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL004 03+50N | NT      | 25/07/2009   | 370311 08329 | 6943171 752631 | brown      | grey       | 0 - 20          | 35         | B            | 3             | 5M BEFORE  | N/A      |
| DRL004 03+75N | NT      | 25/07/2009   | 370324 99043 | 6943196 868393 |            |            |                 |            |              |               |            |          |
| DRL004 04+00N | NT      | 25/07/2009   | 370338 89757 | 6943222 180154 | brown      | grey       | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL004 04+25N | NT      | 25/07/2009   | 370352 80472 | 6943247 393916 | brown      | light      | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL004 04+50N | NT      | 25/07/2009   | 370367 61090 | 6943272 080963 | grey       | NA         | 0 - 20          | 35         | B            | 3             | N/A        | N/A      |
| DRL004 04+75N | NT      | 25/07/2009   | 370382 80545 | 6943296 540481 | brown      | light      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL004 05+00N | NT      | 25/07/2009   | 370398       | 6943321        | brown      | light      | 0 - 20          | 25         | B            | 4             | LINE_END   | N/A      |
| DRL004 05+25N | NT      | 26/07/2009   | 370410 07467 | 6943345 276433 | brown      | light      | 0 - 20          | 15         | B            | 4             | N/A        | N/A      |

## Appendix 4.2 - Soil Sample Locations and Descriptions

| Sample Number | Sampler | Date (m/d/y) | UTM - East   | UTM - North    | Colour - 1 | Colour - 2 | Slope - Degrees | Depth (cm) | Soil Horizon | Quality (1-5) | Note - 1   | Note - 2 |
|---------------|---------|--------------|--------------|----------------|------------|------------|-----------------|------------|--------------|---------------|------------|----------|
| DRL004 05+50N | NT      | 26/07/2009   | 370422 14933 | 6943369 552866 | brown      | light      | 0 - 20          | 15         | B            | 3             | ROCKY      | N/A      |
| DRL004 05+75N | NT      | 26/07/2009   | 370434 224   | 6943393 829298 | brown      | golden     | 0 - 20          | 15         | B            | 4             | N/A        | N/A      |
| DRL004 06+00N | NT      | 26/07/2009   | 370446 29866 | 6943418 105731 | brown      | grey       | 0 - 20          | 15         | B            | 4             | N/A        | N/A      |
| DRL004 06+25N | NT      | 26/07/2009   | 370458 37333 | 6943442 382164 | brown      | grey       | 0 - 20          | 15         | B            | 3             | N/A        | N/A      |
| DRL004 06+50N | NT      | 26/07/2009   | 370470 44799 | 6943466 658597 | brown      | grey       | 0 - 20          | 15         | B            | 4             | N/A        | N/A      |
| DRL004 06+75N | NT      | 26/07/2009   | 370482 52266 | 6943490 935029 | brown      | grey       | 0 - 20          | 15         | B            | 4             | PERMAFROST | ORGANIC  |
| DRL004 07+00N | NT      | 26/07/2009   | 370495 00083 | 6943514 976846 | brown      | rusty      | 0 - 20          | 15         | C            | 3             | ROCKY      | N/A      |
| DRL004 07+25N | NT      | 26/07/2009   | 370510 12573 | 6943537 47974  | brown      | rusty      | 0 - 20          | 15         | C            | 3             | ROCKY      | N/A      |
| DRL004 07+50N | NT      | 26/07/2009   | 370525 25082 | 6943559 982834 |            |            |                 |            |              |               |            |          |
| DRL004 07+75N | NT      | 26/07/2009   | 370540 37552 | 6943582 485529 | brown      | rusty      | 0 - 20          | 15         | B            | 4             | N/A        | N/A      |
| DRL004 08+00N | NT      | 26/07/2009   | 370555 50042 | 6943604 988423 | brown      | rusty      | 0 - 20          | 15         | B            | 4             | ROCKY      | N/A      |
| DRL004 08+25N | NT      | 26/07/2009   | 370570 62531 | 6943627 491317 | brown      | rusty      | 0 - 20          | 15         | B            | 4             | ROCKY      | N/A      |
| DRL004 08+50N | NT      | 26/07/2009   | 370585 75021 | 6943649 994211 | brown      | rusty      | 0 - 20          | 15         | C            | 2             | ROCKY      | N/A      |
| DRL004 08+75N | NT      | 26/07/2009   | 370600 87510 | 6943672 497106 | brown      | rusty      | 0 - 20          | 15         | C            | 2             | ROCKY      | N/A      |
| DRL004 09+00N | NT      | 26/07/2009   | 370616       | 6943695        | brown      | rusty      | 0 - 20          | 15         | C            | 3             | ROCKY      | N/A      |
| DRL005 00+00  | NT      | 26/07/2009   | 370220       | 6942693        | brown      | light      | 0 - 20          | 25         | B            | 3             | N/A        | N/A      |
| DRL005 00+25N | NT      | 26/07/2009   | 370233 69190 | 6942715 187846 |            |            |                 |            |              |               |            |          |
| DRL005 00+50N | NT      | 26/07/2009   | 370247 38381 | 6942737 335691 |            |            |                 |            |              |               |            |          |
| DRL005 00+75N | NT      | 26/07/2009   | 370261 07571 | 6942759 503537 | brown      | dark       | 0 - 20          | 25         | B            | 3             | ORGANIC    | N/A      |
| DRL005 01+00N | NT      | 26/07/2009   | 370274 76762 | 6942781 671382 | brown      | rusty      | 0 - 20          | 25         | B            | 3             | ROCKY      | N/A      |
| DRL005 01+25N | NT      | 26/07/2009   | 370288 45952 | 6942803 839228 | brown      | rusty      | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL005 01+50N | NT      | 26/07/2009   | 370302 15143 | 6942826 007074 | brown      | light      | 0 - 20          | 25         | B            | 3             | ROCKY      | N/A      |
| DRL005 01+75N | NT      | 26/07/2009   | 370315 84333 | 6942848 174919 | grey       | NA         | 0 - 20          | 25         | B            | 3             | ROCKY      | N/A      |
| DRL005 02+00N | NT      | 26/07/2009   | 370329 90832 | 6942870 098803 | grey       | NA         | 0 - 20          | 25         | B            | 3             | ROCKY      | N/A      |
| DRL005 02+25N | NT      | 26/07/2009   | 370344 72655 | 6942891 530128 |            |            |                 |            |              |               |            |          |
| DRL005 02+50N | NT      | 26/07/2009   | 370359 54478 | 6942912 981453 |            |            |                 |            |              |               |            |          |
| DRL005 02+75N | NT      | 26/07/2009   | 370374 36301 | 6942934 392778 |            |            |                 |            |              |               |            |          |
| DRL005 03+00N | NT      | 26/07/2009   | 370389 18124 | 6942955 824103 | grey       | black      | 0 - 20          | 25         | B            | 3             | ORGANIC    | N/A      |
| DRL005 03+25N | NT      | 26/07/2009   | 370403 99947 | 6942977 255427 | grey       | black      | 0 - 20          | 25         | B            | 3             | ORGANIC    | N/A      |
| DRL005 03+50N | NT      | 26/07/2009   | 370418 8177  | 6942998 686752 | brown      | NA         | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL005 03+75N | NT      | 26/07/2009   | 370433 63593 | 6943020 118077 | brown      | dark       | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL005 04+00N | NT      | 26/07/2009   | 370448 45416 | 6943041 549402 | grey       | brown      | 0 - 20          | 25         | B            | 3             | N/A        | N/A      |
| DRL005 04+25N | NT      | 26/07/2009   | 370463 27239 | 6943062 980726 | brown      | golden     | 0 - 20          | 25         | B            | 4             | N/A        | N/A      |
| DRL005 04+50N | NT      | 26/07/2009   | 370478 09082 | 6943084 412051 | brown      | grey       | 0 - 20          | 25         | B            | 3             | ORGANIC    | ROCKY    |
| DRL005 04+75N | NT      | 26/07/2009   | 370492 90885 | 6943105 843376 | black      | grey       | 0 - 20          | 25         | B            | 3             | ORGANIC    | N/A      |
| DRL005 05+00N | NT      | 26/07/2009   | 370507 72708 | 6943127 274701 |            |            |                 |            |              |               |            |          |

## Appendix 4.2 - Soil Sample Locations and Descriptions

| Sample Number | Sampler | Date (m/d/y) | UTM - East   | UTM - North    | Colour - 1 | Colour - 2 | Slope - Degrees | Depth (cm) | Soil Horizon | Quality (1-5) | Note - 1   | Note - 2      |
|---------------|---------|--------------|--------------|----------------|------------|------------|-----------------|------------|--------------|---------------|------------|---------------|
| DRL005 05+25N | NT      | 26/07/2009   | 370522 54531 | 6943148 708026 |            |            |                 |            |              |               |            |               |
| DRL005 05+50N | NT      | 26/07/2009   | 370537 36354 | 6943170 137350 |            |            |                 |            |              |               |            |               |
| DRL005 05+75N | NT      | 26/07/2009   | 370552 18177 | 6943191 568675 |            |            |                 |            |              |               |            |               |
| DRL005 06+00N | NT      | 26/07/2009   | 370567       | 6943213        |            |            |                 |            |              |               |            |               |
| DRL005 06+25N | NT      | 26/07/2009   | 370578 22105 | 6943237 538349 | brown      | NA         | 0 - 20          | 25         | B            | 3             | N/A        | N/A           |
| DRL005 06+50N | NT      | 26/07/2009   | 370589 44211 | 6943262 076699 | brown      | grey       | 0 - 20          | 25         | B            | 3             | N/A        | N/A           |
| DRL005 06+75N | NT      | 26/07/2009   | 370600 66316 | 6943286 615048 | brown      | grey       | 0 - 20          | 25         | B            | 3             | N/A        | N/A           |
| DRL005 07+00N | NT      | 26/07/2009   | 370611 88422 | 6943311 153398 | brown      | NA         | 0 - 20          | 25         | B            | 4             | N/A        | N/A           |
| DRL005 07+25N | NT      | 26/07/2009   | 370623 10527 | 6943335 691747 | brown      | golden     | 0 - 20          | 25         | B            | 4             | N/A        | N/A           |
| DRL005 07+50N | NT      | 26/07/2009   | 370634 32633 | 6943360 230097 | brown      | golden     | 0 - 20          | 25         | B            | 4             | N/A        | N/A           |
| DRL005 07+75N | NT      | 26/07/2009   | 370645 54738 | 6943384 768446 | brown      | dark       | 0 - 20          | 25         | B            | 3             | N/A        | N/A           |
| DRL005 08+00N | NT      | 26/07/2009   | 370656 76843 | 6943409 308796 |            |            |                 |            |              |               |            |               |
| DRL005 08+25N | NT      | 26/07/2009   | 370669 05720 | 6943433 324600 | brown      | light      | 0 - 20          | 25         | B            | 3             | N/A        | N/A           |
| DRL005 08+50N | NT      | 26/07/2009   | 370681 47760 | 6943457 278229 | brown      | dark       | 0 - 20          | 35         | B            | 3             | N/A        | N/A           |
| DRL005 08+75N | NT      | 26/07/2009   | 370693 89800 | 6943481 231857 | brown      | dark       | 0 - 20          | 35         | B            | 3             | N/A        | N/A           |
| DRL005 09+00N | NT      | 26/07/2009   | 370706 31840 | 6943505 185486 | brown      | rusty      | 0 - 20          | 25         | B            | 4             | N/A        | N/A           |
| DRL005 09+25N | NT      | 26/07/2009   | 370718 73880 | 6943529 139114 | brown      | rusty      | 0 - 20          | 25         | B            | 4             | ROCKY      | N/A           |
| DRL005 09+50N | NT      | 26/07/2009   | 370731 15920 | 6943553 092743 | brown      | rusty      | 0 - 20          | 15         | B            | 4             | N/A        | N/A           |
| DRL005 09+75N | NT      | 26/07/2009   | 370743 57960 | 6943577 046371 | brown      | rusty      | 0 - 20          | 15         | B            | 4             | N/A        | N/A           |
| DRL005 10+00N | NT      | 26/07/2009   | 370758       | 6943601        | brown      | light      | 0 - 20          | 15         | B            | 3             | ROCKY      | LINE_END      |
| DRL006 00+00  | BW      | 26/07/2009   | 369700       | 6944200        | Select     | Select     | 0 - 20          |            | Select       |               | LINE_START | CROSSED_CREEK |
| DRL006 00+25E | BW      | 26/07/2009   | 369724 38030 | 6944200 471877 | black      | Select     | 0 - 20          | 25         | A            | 2             | ORGANIC    | N/A           |
| DRL006 00+50E | BW      | 26/07/2009   | 369748 76061 | 6944200 943754 | rusty      | brown      | 0 - 20          | 35         | B            | 4             | ROCKY      | N/A           |
| DRL006 00+75E | BW      | 26/07/2009   | 369773 14091 | 6944201 415631 | light      | brown      | 0 - 20          | 15         | B            | 4             | ROCKY      | N/A           |
| DRL006 01+00E | BW      | 26/07/2009   | 369797 52121 | 6944201 887507 | rusty      | brown      | 0 - 20          | 15         | B            | 5             | N/A        | N/A           |
| DRL006 01+25E | BW      | 26/07/2009   | 369821 90152 | 6944202 359384 | light      | brown      | 0 - 20          | 15         | B            | 2             | 10M BEFORE | BASE OF CLIFF |
| DRL006 01+50E | BW      | 26/07/2009   | 369846 28182 | 6944202 831261 | rusty      | brown      | 0 - 20          | 25         | B            | 4             | ROCKY      | N/A           |
| DRL006 01+75E | BW      | 26/07/2009   | 369870 01233 | 6944198 525172 | light      | brown      | 0 - 20          | 35         | B            | 3             | ROCKY      | N/A           |
| DRL006 02+00E | BW      | 26/07/2009   | 369893 38113 | 6944191 559471 | light      | brown      | 0 - 20          | 25         | B            | 2             | ASH        | N/A           |
| DRL006 02+25E | BW      | 26/07/2009   | 369916 74993 | 6944184 593771 | golden     | brown      | 0 - 20          | 25         | B            | 2             | ROCKY      | N/A           |
| DRL006 02+50E | BW      | 26/07/2009   | 369940 11873 | 6944177 628070 | rusty      | brown      | 0 - 20          | 25         | B            | 4             | ROCKY      | N/A           |
| DRL006 02+75E | BW      | 26/07/2009   | 369963 24538 | 6944170 024162 | rusty      | rusty      | 0 - 20          | 35         | B            | 5             | N/A        | N/A           |
| DRL006 03+00E | BW      | 26/07/2009   | 369985 35318 | 6944159 734996 | rusty      | rusty      | 0 - 20          | 35         | B            | 3             | ROCKY      | N/A           |
| DRL006 03+25E | BW      | 26/07/2009   | 370007 46099 | 6944149 44583  | golden     | brown      | 0 - 20          | 25         | B            | 5             | N/A        | N/A           |
| DRL006 03+50E | BW      | 26/07/2009   | 370029 56879 | 6944139 156664 | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A        | N/A           |
| DRL006 03+75E | BW      | 26/07/2009   | 370051 67659 | 6944128 867498 | golden     | brown      | 0 - 20          | 25         | B            | 5             | N/A        | N/A           |

## Appendix 4.2 - Soil Sample Locations and Descriptions

| Sample Number | Sampler | Date (m/d/y) | UTM - East   | UTM - North    | Colour - 1 | Colour - 2 | Slope - Degrees | Depth (cm) | Soil Horizon | Quality (1-5) | Note - 1      | Note - 2      |
|---------------|---------|--------------|--------------|----------------|------------|------------|-----------------|------------|--------------|---------------|---------------|---------------|
| DRL006 04+00E | BW      | 26/07/2009   | 370073 78439 | 6944118 578332 | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A           | N/A           |
| DRL006 04+25E | BW      | 26/07/2009   | 370095 8922  | 6944108 289166 | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A           | N/A           |
| DRL006 04+50E | BW      | 26/07/2009   | 370118       | 6944098        | golden     | brown      | 0 - 20          | 35         | B            | 4             | LINE_END      | N/A           |
| DRL007 00+00  | BW      | 26/07/2009   | 370057       | 6944022        | rusty      | brown      | 20 - 40         | 15         | B            | 3             | LINE_START    | BASE OF CLIFF |
| DRL007 00+25W | BW      | 26/07/2009   | 370035 01975 | 6944028 584391 | rusty      | brown      | 0 - 20          | 5          | B            | 2             | ROCKY         | N/A           |
| DRL007 00+50W | BW      | 26/07/2009   | 370013 03951 | 6944035 168782 | golden     | brown      | 0 - 20          | 25         | B            | 5             | N/A           | N/A           |
| DRL007 00+75W | BW      | 26/07/2009   | 369991 05926 | 6944041 753174 | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A           | N/A           |
| DRL007 01+00W | BW      | 26/07/2009   | 369969 07901 | 6944048 337565 | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A           | N/A           |
| DRL007 01+25W | BW      | 26/07/2009   | 369947 09876 | 6944054 921956 | rusty      | brown      | 0 - 20          | 25         | B            | 4             | N/A           | N/A           |
| DRL007 01+50W | BW      | 26/07/2009   | 369925 11852 | 6944061 506347 | rusty      | brown      | 0 - 20          | 25         | B            | 4             | N/A           | N/A           |
| DRL007 01+75W | BW      | 26/07/2009   | 369903 13827 | 6944068 090738 | golden     | brown      | 0 - 20          | 25         | B            | 3             | ROCKY         | N/A           |
| DRL007 02+00W | BW      | 26/07/2009   | 369881 15802 | 6944074 67513  | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A           | N/A           |
| DRL007 02+25W | BW      | 26/07/2009   | 369859 17778 | 6944081 259521 | golden     | brown      | 0 - 20          | 25         | B            | 5             | N/A           | N/A           |
| DRL007 02+50W | BW      | 26/07/2009   | 369837 19753 | 6944087 843912 | golden     | brown      | 0 - 20          | 25         | B            | 5             | N/A           | N/A           |
| DRL007 02+75W | BW      | 26/07/2009   | 369814 98122 | 6944093 546101 | golden     | brown      | 0 - 20          | 35         | B            | 3             | ROCKY         | N/A           |
| DRL007 03+00W | BW      | 26/07/2009   | 369792 64997 | 6944098 818756 | golden     | brown      | 0 - 20          | 35         | B            | 3             | ROCKY         | N/A           |
| DRL007 03+25W | BW      | 26/07/2009   | 369770 31873 | 6944104 091412 | light      | brown      | 20 - 40         | 5          | B            | 3             | ROCKY         | N/A           |
| DRL007 03+50W | BW      | 26/07/2009   | 369747 98748 | 6944109 384087 | light      | brown      | 20 - 40         | 5          | B            | 2             | ROCKY         | ORGANIC       |
| DRL007 03+75W | BW      | 26/07/2009   | 369725 65623 | 6944114 636723 | golden     | brown      | 0 - 20          | 25         | B            | 3             | ROCKY         | N/A           |
| DRL007 04+00W | BW      | 26/07/2009   | 369703 32499 | 6944119 908378 | golden     | brown      | 0 - 20          | 25         | B            | 3             | ROCKY         | N/A           |
| DRL007 04+25W | BW      | 26/07/2009   | 369680 99374 | 6944125 192034 | dark       | brown      | 0 - 20          | 35         | A            | 2             | ORGANIC       | N/A           |
| DRL007 04+50W | BW      | 26/07/2009   | 369658 66249 | 6944130 454689 | golden     | brown      | 0 - 20          | 35         | B            | 3             | ROCKY         | N/A           |
| DRL007 04+75W | BW      | 26/07/2009   | 369636 33125 | 6944135 727345 | light      | brown      | 0 - 20          | 35         | B            | 3             | ROCKY         | ORGANIC       |
| DRL007 05+00W | BW      | 26/07/2009   | 369614       | 6944141        | dark       | brown      | 0 - 20          | 35         | A            | 2             | ORGANIC       | LINE_END      |
| DRL008 00+00  | BW      | 26/07/2009   | 369544       | 6944040        | dark       | brown      | 0 - 20          | 35         | A            | 2             | ORGANIC       | LINE_START    |
| DRL008 00+25E | BW      | 26/07/2009   | 369569 33010 | 6944035 715306 | golden     | brown      | 0 - 20          | 25         | B            | 3             | ROCKY         | N/A           |
| DRL008 00+50E | BW      | 26/07/2009   | 369594 66021 | 6944031 430612 | dark       | brown      | 0 - 20          | 15         | A            | 2             | ORGANIC       | N/A           |
| DRL008 00+75E | BW      | 26/07/2009   | 369619 99031 | 6944027 145918 | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A           | N/A           |
| DRL008 01+00E | BW      | 26/07/2009   | 369645 32041 | 6944022 861224 | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A           | N/A           |
| DRL008 01+25E | BW      | 26/07/2009   | 369670 65051 | 6944018 57653  | golden     | brown      | 0 - 20          | 25         | B            | 3             | ROCKY         | N/A           |
| DRL008 01+50E | BW      | 26/07/2009   | 369695 98062 | 6944014 291836 | golden     | brown      | 0 - 20          | 25         | B            | 4             | ROCKY         | N/A           |
| DRL008 01+75E | BW      | 26/07/2009   | 369721 31072 | 6944010 007142 | golden     | brown      | 0 - 20          | 25         | B            | 4             | BASE OF CLIFF | N/A           |
| DRL008 02+00E | BW      | 26/07/2009   | 369746 61581 | 6944005 601901 | golden     | brown      | 0 - 20          | 25         | B            | 4             | N/A           | N/A           |
| DRL008 02+25E | BW      | 26/07/2009   | 369771.55983 | 6943999 456274 | brown      | brown      | 0 - 20          | 25         | B            | 2             | ROCKY         | N/A           |
| DRL008 02+50E | BW      | 26/07/2009   | 369796.50385 | 6943993 310646 | light      | brown      | 0 - 20          | 25         | B            | 3             | ASH           | N/A           |
| DRL008 02+75E | BW      | 26/07/2009   | 369821 44786 | 6943987 165019 | light      | brown      | 0 - 20          | 25         | B            | 3             | ROCKY         | N/A           |

## Appendix 4.2 - Soil Sample Locations and Descriptions

| Sample Number | Sampler | Date (m/d/y) | UTM - East   | UTM - North    | Colour - 1 | Colour - 2 | Slope - Degrees | Depth (cm) | Soil Horizon | Quality (1-5) | Note - 1 | Note - 2 |
|---------------|---------|--------------|--------------|----------------|------------|------------|-----------------|------------|--------------|---------------|----------|----------|
| DRL008 03+00E | BW      | 26/07/2009   | 369846 39188 | 6943981 019392 | rusty      | rusty      | 0 - 20          | 15         | B            | 4             | N/A      | N/A      |
| DRL008 03+25E | BW      | 26/07/2009   | 369871 3359  | 6943974 873764 | golden     | brown      | 0 - 20          | 25         | B            | 3             | ROCKY    | N/A      |
| DRL008 03+50E | BW      | 26/07/2009   | 369896 27992 | 6943988 728137 | light      | brown      | 0 - 20          | 25         | B            | 4             | ROCKY    | N/A      |
| DRL008 03+75E | BW      | 26/07/2009   | 369921 22393 | 6943982 582509 | golden     | brown      | 0 - 20          | 25         | B            | 5             | N/A      | N/A      |
| DRL008 04+00E | BW      | 26/07/2009   | 369946 16795 | 6943956 436882 | rusty      | brown      | 0 - 20          | 15         | B            | 3             | ROCKY    | 5M PAST  |
| DRL008 04+25E | BW      | 26/07/2009   | 369971 11197 | 6943950.291255 | rusty      | brown      | 0 - 20          | 15         | B            | 1             | ROCKY    | N/A      |
| DRL008 04+50E | BW      | 26/07/2009   | 369996 05598 | 6943944 145627 | brown      | brown      | 0 - 20          | 35         | B            | 4             | N/A      | N/A      |
| DRL008 04+75E | BW      | 26/07/2009   | 370021       | 6943938        | golden     | brown      | 0 - 20          | 25         | B            | 4             | LINE_END | N/A      |

**Appendic V – Analytical Certificates**

**5.1 Rock Samples**

**5.2 Soil Samples**

## 5.1 Rock Samples

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

ICP CERTIFICATE OF ANALYSIS AK 2010-0019

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

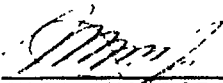
Phone: 250-573-5700  
 Fax 250-573-4557

No of samples received 2  
 Sample Type Rock  
 Project: DR  
 Shipment #: DR09-002  
 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                | 8103-1 | 1.5  | 0.12 | <5 | <5 | 300 | 0.39 | 3  | 29 | 48 | 3775 | >10  | <10 | <0.01 | 507 | <1 | 0.02 | 7  | 210 | <2   | <5 | <20 | 2  | <0.01 | <10 | 1  | <10 | <1 | 45   |
| 2                | 8103-2 | 5.4  | 1.18 | <5 | <5 | 375 | 1.18 | 4  | 29 | 25 | 4823 | >10  | 20  | 0.07  | 315 | <1 | 0.08 | 16 | 450 | <2   | <5 | 80  | 34 | 0.03  | <10 | 6  | <10 | 5  | 48   |
| <b>QC DATA:</b>  |        |      |      |    |    |     |      |    |    |    |      |      |     |       |     |    |      |    |     |      |    |     |    |       |     |    |     |    |      |
| <b>Repeat:</b>   |        |      |      |    |    |     |      |    |    |    |      |      |     |       |     |    |      |    |     |      |    |     |    |       |     |    |     |    |      |
| 1                | 8103-1 | 1.6  | 0.12 | <5 | <5 | 305 | 0.38 | 3  | 28 | 48 | 3810 | >10  | <10 | <0.01 | 500 | <1 | 0.02 | 7  | 220 | <2   | <5 | <20 | 2  | <0.01 | <10 | 1  | <10 | <1 | 44   |
| <b>Standard:</b> |        |      |      |    |    |     |      |    |    |    |      |      |     |       |     |    |      |    |     |      |    |     |    |       |     |    |     |    |      |
| Pb129a           |        | 12.1 | 0.83 | 5  | 65 | <5  | 0.41 | 56 | 6  | 12 | 1426 | 1.57 | <10 | 0.69  | 341 | 2  | 0.03 | 5  | 410 | 6152 | 15 | <20 | 30 | 0.03  | <10 | 19 | <10 | 2  | 9973 |

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



Eco Tech Laboratory Ltd.  
2953 Shuswap Road  
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Tel + 1 250 573 5700  
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Toll Free + 1 877 573 5755  
www.stewartgroupglobal.com



**StewartGroup**  
Geochemical & Assay

## CERTIFICATE OF ASSAY AK 2010-0019

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

19-Jan-10

*No. of samples received: 2*  
*Sample Type: Rock*  
*Project: DR*  
*Shipment #: DR09-002*  
*Submitted by: Chris Gallagher*

| ET #. | Tag #  | Au<br>(g/t) | Au<br>oz/t) | Ag<br>(g/t) | Ag<br>oz/t) |
|-------|--------|-------------|-------------|-------------|-------------|
| 1     | 8103-1 | 0.87        | 0.025       | 1.5         | 0.04        |
| 2     | 8103-2 | <0.03       | <0.001      | 5.4         | 0.16        |

**QC DATA:**

***Repeat:***

|   |        |      |       |     |      |
|---|--------|------|-------|-----|------|
| 1 | 8103-1 | 0.90 | 0.026 | 1.6 | 0.05 |
|---|--------|------|-------|-----|------|

**Standard:**

|       |      |       |      |      |  |
|-------|------|-------|------|------|--|
| Ox167 | 1.80 | 0.052 |      |      |  |
| Pb129 |      |       | 23.2 | 0.68 |  |

NM/nw  
XLS/10

**ECO TECH LABORATORY LTD.**

Norman Monteith  
B.C. Certified Assayer

## 5.2 Soil Samples




| Et #.           | Tag #        | Ag<br>ppm | Al<br>% | As<br>ppm | Ba<br>ppm | Bi<br>ppm | Ca<br>% | Cd<br>ppm | Co<br>ppm | Cr<br>ppm | Cu<br>ppm | Fe<br>% | Ga<br>ppm | Hg<br>ppb | K<br>% | La<br>ppm | Mg<br>% | Mn<br>ppm | Mo<br>ppm | Na<br>% | Ni<br>ppm | P<br>ppm | Pb<br>ppm | S<br>% | Sb<br>ppm | Sc<br>ppm | Se<br>ppm | Sr<br>ppm | Te<br>ppm | Th<br>ppm | Ti<br>% | Tl<br>ppm | U<br>ppm | V<br>ppm | W<br>ppm | Zn<br>ppm |     |
|-----------------|--------------|-----------|---------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|---------|-----------|-----------|--------|-----------|---------|-----------|-----------|---------|-----------|----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|----------|----------|----------|-----------|-----|
| <b>QC DATA:</b> |              |           |         |           |           |           |         |           |           |           |           |         |           |           |        |           |         |           |           |         |           |          |           |        |           |           |           |           |           |           |         |           |          |          |          |           |     |
| <b>Repeat:</b>  |              |           |         |           |           |           |         |           |           |           |           |         |           |           |        |           |         |           |           |         |           |          |           |        |           |           |           |           |           |           |         |           |          |          |          |           |     |
| 1               | DRL00602+00E | 3.8       | 0.1     | 0.36      | 0.9       | 30.5      | 0.30    | 0.06      | 0.04      | 1.2       | 2.0       | 12.0    | 0.53      | 2.5       | 5      | 0.02      | 2.0     | 0.02      | 52        | 0.13    | 0.050     | 1.4      | 115       | 5.07   | <0.02     | 0.04      | 0.1       | 0.1       | 10.5      | <0.02     | 0.1     | 0.020     | <0.02    | 0.2      | 16       | 0.7       | 6.2 |
| 10              | DRL00604+25E | 60.0      | 0.2     | 2.02      | 43.2      | 140.5     | 20.10   | 0.90      | 0.35      | 23.6      | 27.0      | 181.9   | 5.03      | 7.5       | 25     | 0.19      | 31.5    | 0.56      | 671       | 1.60    | 0.056     | 52.9     | 447       | 20.99  | 0.02      | 1.18      | 4.6       | 0.9       | 74.0      | 0.98      | 12.2    | 0.022     | 0.22     | 1.2      | 30       | 1.1       | 97. |
| 12              | DRL00700+00W | 900.0     |         |           |           |           |         |           |           |           |           |         |           |           |        |           |         |           |           |         |           |          |           |        |           |           |           |           |           |           |         |           |          |          |          |           |     |
| 17              | DRL00701+25W | 385.0     |         |           |           |           |         |           |           |           |           |         |           |           |        |           |         |           |           |         |           |          |           |        |           |           |           |           |           |           |         |           |          |          |          |           |     |
| 19              | DRL00701+75W | 4.6       | 0.1     | 0.78      | 18.2      | 73.0      | 1.94    | 0.09      | 0.16      | 7.7       | 14.5      | 41.7    | 4.18      | 3.7       | 10     | 0.08      | 26.5    | 0.16      | 236       | 1.93    | 0.030     | 23.9     | 469       | 17.92  | <0.02     | 1.00      | 2.1       | 0.5       | 9.5       | 0.16      | 5.1     | 0.003     | 0.14     | 0.8      | 26       | 0.9       | 77. |
| 22              | DRL00102+00S | 195.0     |         |           |           |           |         |           |           |           |           |         |           |           |        |           |         |           |           |         |           |          |           |        |           |           |           |           |           |           |         |           |          |          |          |           |     |
| 23              | DRL00102+25S | 340.0     |         |           |           |           |         |           |           |           |           |         |           |           |        |           |         |           |           |         |           |          |           |        |           |           |           |           |           |           |         |           |          |          |          |           |     |

**Standard:**

|       |     |     |      |     |      |      |      |      |      |      |      |      |     |    |      |      |      |     |      |       |      |     |       |      |      |     |     |       |      |     |       |      |     |    |     |     |
|-------|-----|-----|------|-----|------|------|------|------|------|------|------|------|-----|----|------|------|------|-----|------|-------|------|-----|-------|------|------|-----|-----|-------|------|-----|-------|------|-----|----|-----|-----|
| OXE74 | 626 | 0.1 | 1.59 | 0.7 | 63.0 | 0.02 | 0.87 | 0.04 | 18.5 | 52.5 | 25.3 | 3.10 | 5.9 | <5 | 0.37 | 12.5 | 1.35 | 452 | 1.77 | 0.690 | 72.8 | 970 | 10.97 | 0.04 | 0.02 | 1.2 | 0.2 | 169.0 | 0.06 | 1.7 | 0.393 | 0.04 | 0.6 | 48 | 0.3 | 42. |
|-------|-----|-----|------|-----|------|------|------|------|------|------|------|------|-----|----|------|------|------|-----|------|-------|------|-----|-------|------|------|-----|-----|-------|------|-----|-------|------|-----|----|-----|-----|

Aqua Regia Digest/ICPMS Finish

NM/nw  
df/msr13auS  
XLS/10

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

**Appendix VI – XRF**

**6.1 XRF Techniques**

**6.2 XRF Geochemical Results – Rocks**

**6.3 XRF Geochemical Results - Soils/Silts**

## **Appendix 6.1 – 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 6.2 - Rock XRF Geochemical Results

| Sample   | Analysis |            |         |      |        |     |     |      |     |       | Date  |      |     |     |      |       |      |     |     |      | Class | Medium | Number |       |
|----------|----------|------------|---------|------|--------|-----|-----|------|-----|-------|-------|------|-----|-----|------|-------|------|-----|-----|------|-------|--------|--------|-------|
| Mo       | Cu       | Pb         | Zn      | Ag   | Ni     | Co  | Mn  | Fe   | As  | Si    | Ca    | Sr   | Cd  | Sb  | Bi   | Ga    | Ge   | Ba  | K   | W    | Hg    | Ta     | Sn     |       |
| ppm      | ppm      | ppm        | ppm     | ppm  | ppm    | ppm | ppm | ppm  | ppm | ppm   | ppm   | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm | %   | ppm  | ppm   | ppm    | ppm    |       |
| NTDRA001 | ROCK     | 16/10/2009 | BULK    | 0    | 3590.1 | 0   | 218 | 21.1 | 0   | 15685 | 37.86 | 25.6 | 12  | 26  | 107  |       | 2.43 | 0   | 581 | 0    | 0     | 0      | 363.8  | 90.72 |
| NTDRA001 | ROCK     | 16/10/2009 | INDBULK | 0    | 3684   | 0   | 201 | 0    | 0   | 9866  | 24.74 | 0    | 0   | 0   | 0    | 217.9 | 7.11 | 0   | 0   | 0    | 0     | 0      | 0      | 0     |
| NTDRA002 | ROCK     | 16/10/2009 | BULK    | 0    | 4776.4 | 0   | 176 | 18.9 | 0   | 4013  | 28.42 | 0    | 196 | 0   | 99.7 |       | 2.5  | 0   | 544 | 0.09 | 0     | 0      | 325.6  | 205.9 |
| NTDRA002 | ROCK     | 16/10/2009 | INDBULK | 16.7 | 5080.8 | 0   | 121 | 0    | 0   | 3015  | 21.69 | 0    | 105 | 0   | 0    | 250.6 | 6.72 | 0   | 0   | 0.33 | 0     |        |        | 233.6 |











| Sample        |        | Analysis   |         | Mo   | Cu    | Pb    | Zn  | Ag  | Ni  | Co    | Mn   | Fe     | As    | Sr  | Cd   | Sb   | Bi    | Ca     | Cr    | Ba  | K      | W      | Hg  | Te    | Sn   |
|---------------|--------|------------|---------|------|-------|-------|-----|-----|-----|-------|------|--------|-------|-----|------|------|-------|--------|-------|-----|--------|--------|-----|-------|------|
| Number        | Medium | Date       | Class   | ppm  | ppm   | ppm   | ppm | ppm | ppm | ppm   | ppm  | %      | ppm   | ppm | ppm  | ppm  | ppm   | %      | ppm   | ppm | %      | ppm    | ppm | ppm   | ppm  |
| DRL007 02+00W | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 25.27 | 120 | 0   | 0   | 0     | 360  | 2.7716 | 20.44 | 178 | 0    | 0    |       | 0.265  | 0     | 431 | 1.4017 | 0      | 0   | 0     | 0    |
| DRL007 02+25W | DIRT   | 09/11/2009 | BULK    | 0    | 51.39 | 92.02 | 145 | 0   | 0   | 0     | 237  | 6.4735 | 0     | 67  | 0    | 25.7 |       | 0.0378 | 0     | 656 | 1.3873 | 0      | 0   | 0     | 0    |
| DRL007 02+25W | DIRT   | 09/11/2009 | INDBULK | 15.9 | 0     | 90.5  | 156 | 0   | 0   | 0     | 296  | 8.1615 | 24.5  | 43  | 0    | 0    | 0     | 0.1192 | 209.3 | 589 | 2.5343 | 0      |     |       | 0    |
| DRL007 02+50W | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 29.49 | 60  | 0   | 0   | 0     | 172  | 2.6159 | 0     | 139 | 0    | 0    |       | 0.2141 | 0     | 570 | 1.4758 | 0      | 0   | 0     | 26   |
| DRL007 02+75W | DIRT   | 09/11/2009 | BULK    | 0    | 41.13 | 18.93 | 98  | 0   | 0   | 0     | 229  | 2.2706 | 14.15 | 140 | 0    | 0    |       | 0.2059 | 0     | 406 | 1.2878 | 0      | 0   | 0     | 0    |
| DRL007 03+00W | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 146   | 188 | 0   | 0   | 0     | 737  | 5.9531 | 40.31 | 85  | 0    | 0    |       | 0.1226 | 0     | 534 | 1.0734 | 0      | 0   | 0     | 0    |
| DRL007 03+00W | DIRT   | 09/11/2009 | INDBULK | 16.8 | 0     | 171.7 | 220 | 0   | 0   | 0     | 913  | 8.0318 | 33.88 | 64  | 0    | 0    | 26.38 | 0.2549 | 161   | 506 | 1.9992 | 0      |     |       | 0    |
| DRL007 03+25W | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 29.37 | 66  | 0   | 0   | 0     | 1159 | 5.472  | 0     | 115 | 0    | 0    |       | 2.1602 | 0     | 401 | 1.3614 | 0      | 0   | 0     | 23.3 |
| DRL007 03+25W | DIRT   | 09/11/2009 | INDBULK | 15.5 | 0     | 23.95 | 89  | 0   | 0   | 540.1 | 1629 | 7.2485 | 0     | 71  | 0    | 0    | 46.58 | 3.0155 | 138.2 | 240 | 2.2567 | 0      |     |       | 0    |
| DRL007 03+50W | DIRT   | 09/11/2009 | BULK    | 0    | 168.6 | 147.8 | 85  | 0   | 0   | 547.5 | 1226 | 7.8032 | 0     | 121 | 0    | 0    |       | 1.275  | 0     | 356 | 1.2577 | 646.48 | 0   | 0     | 0    |
| DRL007 03+50W | DIRT   | 09/11/2009 | INDBULK | 22.1 | 210   | 169.7 | 91  | 0   | 0   | 0     | 1551 | 9.4425 | 0     | 68  | 0    | 0    | 133.2 | 2.1022 | 129.5 | 249 | 2.1759 | 1151.4 |     |       | 0    |
| DRL007 03+75W | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 25.45 | 89  | 0   | 0   | 0     | 171  | 2.4222 | 0     | 140 | 0    | 0    |       | 0.2152 | 0     | 459 | 1.4099 | 0      | 0   | 0     | 0    |
| DRL007 04+00W | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 20.54 | 79  | 0   | 0   | 0     | 0    | 2.9311 | 16.5  | 82  | 0    | 0    |       | 0.0611 | 0     | 514 | 1.2072 | 0      | 0   | 0     | 0    |
| DRL007 04+25W | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 0     | 57  | 0   | 0   | 0     | 311  | 1.0176 | 0     | 517 | 0    | 0    |       | 1.1553 | 0     | 87  | 1.6674 | 0      | 0   | 0     | 0    |
| DRL007 04+50W | DIRT   | 09/11/2009 | BULK    | 0    | 47.25 | 21.19 | 95  | 0   | 0   | 0     | 213  | 2.545  | 20.92 | 185 | 0    | 0    |       | 0.4284 | 0     | 432 | 1.4719 | 0      | 0   | 0     | 0    |
| DRL007 04+75W | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 16.04 | 114 | 0   | 0   | 0     | 544  | 1.9856 | 16.96 | 201 | 0    | 0    |       | 0.4794 | 49.08 | 450 | 1.8876 | 0      | 0   | 0     | 0    |
| DRL007 05+00W | DIRT   | 09/11/2009 | BULK    | 10.9 | 43.03 | 0     | 57  | 0   | 0   | 0     | 385  | 0.8981 | 0     | 456 | 0    | 0    |       | 1.877  | 0     | 0   | 1.5003 | 0      | 0   | 0     | 0    |
| DRL008 00+00  | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 0     | 31  | 0   | 0   | 0     | 153  | 0.8744 | 0     | 435 | 0    | 0    |       | 1.4804 | 0     | 0   | 1.2843 | 0      | 0   | 0     | 0    |
| DRL008 00+25E | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 17.26 | 41  | 0   | 0   | 0     | 201  | 1.5321 | 0     | 271 | 19.8 | 0    |       | 0.486  | 0     | 567 | 0.9127 | 0      | 0   | 97.96 | 28.9 |
| DRL008 00+50E | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 19.78 | 71  | 0   | 0   | 0     | 674  | 1.5382 | 0     | 412 | 0    | 0    |       | 1.4906 | 0     | 173 | 1.5825 | 0      | 0   | 0     | 0    |
| DRL008 00+75E | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 18.05 | 57  | 0   | 0   | 0     | 247  | 3.2408 | 14.52 | 180 | 0    | 0    |       | 0.3639 | 0     | 426 | 1.3952 | 0      | 0   | 0     | 19.7 |
| DRL008 01+00E | DIRT   | 09/11/2009 | BULK    | 0    | 87.74 | 0     | 83  | 0   | 0   | 0     | 199  | 4.7063 | 0     | 170 | 0    | 0    |       | 0.3531 | 0     | 545 | 1.1121 | 0      | 0   | 0     | 32.7 |
| DRL008 01+25E | DIRT   | 09/11/2009 | BULK    | 0    | 61.53 | 0     | 52  | 0   | 0   | 0     | 0    | 1.451  | 0     | 89  | 0    | 0    |       | 0.096  | 49.4  | 135 | 1.0151 | 0      | 0   | 0     | 0    |
| DRL008 01+50E | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 0     | 52  | 0   | 0   | 0     | 0    | 2.3781 | 51.41 | 150 | 0    | 22.7 |       | 0.1831 | 0     | 552 | 1.3076 | 0      | 0   | 0     | 28.1 |
| DRL008 02+00E | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 25.8  | 95  | 0   | 0   | 0     | 201  | 3.6327 | 18.45 | 117 | 0    | 0    |       | 0.2036 | 0     | 599 | 1.283  | 0      | 0   | 94.7  | 0    |
| DRL008 02+25E | DIRT   | 09/11/2009 | BULK    | 0    | 94.86 | 18.36 | 90  | 0   | 0   | 0     | 300  | 3.5745 | 27.62 | 144 | 0    | 0    |       | 0.2897 | 0     | 324 | 1.299  | 0      | 0   | 0     | 0    |
| DRL008 02+50E | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 40.21 | 58  | 0   | 0   | 0     | 162  | 1.5723 | 21.81 | 282 | 0    | 0    |       | 0.469  | 0     | 293 | 1.4027 | 0      | 0   | 0     | 0    |
| DRL008 02+75E | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 19.45 | 42  | 0   | 0   | 0     | 0    | 1.6996 | 15.12 | 115 | 0    | 0    |       | 0.1515 | 0     | 506 | 1.7412 | 0      | 0   | 0     | 0    |
| DRL008 03+00E | DIRT   | 09/11/2009 | BULK    | 0    | 110.1 | 27.82 | 140 | 0   | 0   | 0     | 1081 | 7.3458 | 0     | 230 | 0    | 0    |       | 0.4813 | 0     | 614 | 0.9379 | 0      | 0   | 74.36 | 0    |
| DRL008 03+00E | DIRT   | 09/11/2009 | INDBULK | 18.8 | 157   | 35.33 | 173 | 0   | 0   | 0     | 1300 | 8.8942 | 0     | 146 | 0    | 0    | 48.7  | 0.7898 | 109.4 | 439 | 1.6227 | 0      |     |       | 0    |
| DRL008 03+25E | DIRT   | 09/11/2009 | BULK    | 0    | 41    | 19.38 | 96  | 0   | 0   | 0     | 244  | 2.8639 | 26.99 | 171 | 0    | 0    |       | 0.2957 | 0     | 479 | 1.3616 | 0      | 0   | 0     | 0    |
| DRL008 03+50E | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 18.76 | 74  | 0   | 0   | 0     | 309  | 1.8238 | 0     | 224 | 0    | 0    |       | 0.4156 | 35.56 | 377 | 1.4739 | 0      | 0   | 0     | 0    |
| DRL008 03+75E | DIRT   | 09/11/2009 | BULK    | 0    | 0     | 15.36 | 107 | 0   | 0   | 0     | 236  | 2.3645 | 22.73 | 176 | 0    | 0    |       | 0.3798 | 42.73 | 503 | 1.3539 | 0      | 0   | 0     | 0    |
| DRL008 04+00E | DIRT   | 09/11/2009 | BULK    | 0    | 57.67 | 0     | 75  | 0   | 0   | 0     | 211  | 4.3329 | 14.57 | 255 | 0    | 0    |       | 0.3447 | 0     | 322 | 1.6712 | 0      | 0   | 0     | 0    |
| DRL008 04+25E | DIRT   | 09/11/2009 | BULK    | 0    | 51.58 | 0     | 86  | 0   | 0   | 0     | 132  | 2.8892 | 13.95 | 162 | 0    | 0    |       | 0.212  | 0     | 241 | 1.5228 | 0      | 0   | 0     | 0    |
| DRL008 04+50E | DIRT   | 09/11/2009 | BULK    | 0    | 106.6 | 33.29 | 40  | 0   | 0   | 0     | 472  | 2.4204 | 14.33 | 197 | 0    | 0    |       | 1.218  | 57.07 | 236 | 1.6767 | 0      | 0   | 0     | 0    |
| DRL008 04+75E | DIRT   | 09/11/2009 | BULK    | 0    | 98.6  | 52.55 | 125 | 0   | 0   | 0     | 260  | 4.8131 | 86.11 | 61  | 0    | 25   |       | 0.1501 | 0     | 511 | 1.2716 | 0      | 0   | 77.39 | 31.8 |