

YMIP Technical Report

on the

Outer Sprooge Project
Watson Lake Mining District

Mapsheets 105H09

Center of Work:

Latitude 61°40'22" N, Longitude 128°9'39" W

Prepared for:

Eagle Plains Resources Ltd.
Suite 200, 16-11th Ave S.
Cranbrook, BC, V1C 2P1

By

Aaron Higgs
Geologist
Bootleg Exploration Inc.

Date

March 16, 2010

SUMMARY

The Outer Sprogge target was identified due to its coincident anomalous signatures of As, Sb, Pb, Mo, Sn and W. The geology of the area is also prospective to hosting Carlin style Au-Ag mineralization, consisting of Hyland Group sediments, gritty clastic units with minor limestone with other mineral occurrences found all along the March Fault and its associated splays. The King historic mineral showing is also a good target that has seen very little work in the past and could represent further mineralization potential in the proximal area.

The Outer Sprogge target is located within the Watson Lake mining district, ~180 north of Watson Lake and 10 km to the east of the Nahanni road. To the west of the target lie the Sprogge claim group, held by Alexo Resource Canada Corporation out of Vancouver BC, while the target surrounds most of the Justin/SP claim group held by Eagle Plains Resources Ltd., out of Cranbrook, BC.

A total of four days were spent in the field on this target between July 18 and 22nd, 2009. The crew drove to the staging area on the Nahanni road from Ross River. Most of the work consisted of prospecting and mapping the target area. The King showing was assessed as well as the ground between the Justin and Sprogge claims. Silt sampling was also completed on the drainages of the Piggot creek valley. One soil line was completed down the valley to test for any possible buried mineralization.

A total of 11 silt, 11 rock and 33 soil samples were taken during the exploration program. The silt samples did have a few interesting results for copper and lead, one samples, LJOSS001 returned 50 ppm Cu and 132 ppm Pb, from the tributary the furthest west from camp. The soil sampling returned only very marginal results. Some samples exhibited some minor anomalous values for Pb, the highest being 159 ppm Pb from the sample OSL001 05+50W. The highest copper value was 59 ppm from sample OSL001 00+00, the same sample also returning a value of 10 ppm Mo. The samples picked out to be sent to the lab for gold and silver analysis did not return encouraging results either, the best sample returning 1.08 ppm Ag and 16.2 ppb Au (OSL001 00+00) and 1.84 ppm Ag and 9 ppb Au (OSL001 01+50W).

From the rock samples taken, there weren't very encouraging results, especially in terms of the elements of interest, Au and Ag. The best result for copper (156 ppm) came from sample AHOSR006, taken of quartz stockwork veining with rare pyrite hosted in the quartz arenite unit. Sample BWOSR001, taken of a fine grained laminated grey siltstone unit returned the best result for gold at 30 ppb Au, including 130 ppm Cu and 72 ppb Pb. One sample of interest as well was AHOSR005, which returned 0.43 % As from the clay altered quartz pebble conglomerate unit which contained abundant bull quartz veining and disseminated and blebby sulphides, predominantly pyrite.

After investigating the mineralization potential on the target area using mapping, prospecting and a minor amount of soil sampling, the results did not return encouraging results for any elements of interest. The lithologic units encountered were not prospective to hosting Carlin style Au as they consisted of crystalline limestone with no clastic component. The only samples of note returned minor anomalous values for lead and copper and these are sporadic and not believed to be related to a widespread mineralizing system. No other work is recommended on this target. The geologic mapping and sampling program could be useful to integrate into the work completed on the Justin claims held by Eagle Plains Resources. This work could help with the understanding of the geology and structure in the greater area.

Total YMIP applicable expenditures for the 2009 exploration program was \$26,798.82.

Table of Contents

Introduction.....	1
Location and Access	1
Geological	3
Regional Geology Description	3
Exploration Program.....	6
Introduction.....	6
Program Description	6
Exploration Results	6
Geological Mapping.....	6
Geochemistry.....	7
Pictures.....	12
Conclusions	14
Recommendations.....	14
References.....	15

List of Figures

Figure 1 – Property Location map.....	2
Figure 2a – Regional Geology Map.....	4
Figure 2b – Regional Geology Legend.....	5
Figure 3 – Geological Mapping and Station Location Map.....	8
Figure 4 – 2009 Sample Location Map.....	9
Figure 5a – Sample Geochemistry – XRF (Cu, Pb).....	10
Figure 5b – Sample Geochemistry – Lab (Au, Ag).....	11

LIST OF APPENDICES

Appendix I – Statement of Qualifications

Appendix II – Statement of Expenditures

Appendix III – Geochemical Protocol

Appendix IV – Sample Descriptions and Locations

Appendix V – Analytical Certificates

Appendix VI – Geological Bedrock Mapping

Appendix VII – XRF

INTRODUCTION

Location and Access

The Outer Sprogge target is located within the Watson Lake mining district, ~180 north of Watson Lake and 10 km to the east of the Nahanni road. The target is found within the NTS map sheet 105H09, with a centre lat and long point of 61°40'N, 128°5'W. To the west of the target lie the Sprogge claim group, held by Alexo Resource Canada Corporation out of Vancouver BC, while the target surrounds most of the Justin/SP claim group held by Eagle Plains Resources Ltd., out of Cranbrook, BC.

Access to the target area was by helicopter. Helicopter charter was provided by Kluane airways out of Finlayson lake as well as Heli Dynamics who were working in the same area. The crew drove to a staging area on the Nahanni road, just to the west of the target, where the crew mobilized and demobilized to the fly camp.

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.
 Outer Sprogge Project
 Figure 1 - Target Location
 Projection - NAD 83 UTM Zone 08N
 Scale - 1: 5,000,000
 22/02/20



Legend

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

Alaska (USA)

Yukon Territory

Northwest Territories

British Columbia

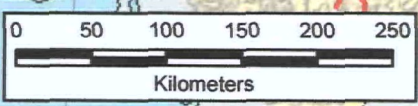
Outer Sprogge

65°0'0"N

65°0'0"N

60°0'0"N

60°0'0"N



140°0'0"W

135°0'0"W

130°0'0"W

125°0'0"W

GEOLOGICAL

Regional Geology Description

The western part of the target area is underlain by Hyland Group sediments, consisting of gritty clastic units with minor limestone, while the eastern and northern parts of the target is underlain by silty limestone strata of the Rabbitkettle Formation. The March Fault runs through the target area, representing the contact between the Hyland group and Rabbitkettle sediments; northerly splays off this fault are thought to be a major factor in non-magmatic Au-Ag mineralization in the region (Hart and Lewis, 2006).

The Justin property area, including the Confluence, Justin and Kangas zones is part of a 10 kilometer long mineralized zone extending westnorthwestwards off the property area into lower temperature stockwork vein zones of the Sugar Bowl showing, identified by NovaGold/Kennecott in 1998-2000 (see AR 094225). In addition to the identified mineralization at the said zones, Brownlee and Johnson (2001) also noted the existence of several geochemical targets between the Justin and Sugar bowl zones that require additional study.

Three major mineralized areas have been delineated along the 10 kilometre long mineralized trend. The three square-kilometre Sugar Bowl Zone is the best defined to date, followed by the Justin Zone, located approximately 6 kilometres to the southeast, and the Day Zone, 1.5 kilometres to the northwest of the Sugar Bowl. Several styles of mineralization have been recognized, including: retrograde skarn assemblages and chalcedonic veining and stockwork in the Justin Zone; and quartz-arsenopyrite vein and stringer mineralization and fine, fracture controlled oxidized sulfides in the Sugar Bowl area. The varying styles of mineralization reflect local structural and lithological controls. The styles of mineralization combined with the geology and overall geochemical zonation indicated by the surface results suggests a district-scale zoning pattern around an intrusive center underlying the Justin area (Assessment Report R 094225).

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Outer Sproge Project
Figure 2a - Regional Geology
Projection - NAD 83 UTM Zone 09N
Scale - 1: 50,000

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Sugar Bowl



COR1

COR1

2009 Camp Location



PCH

PCH







King

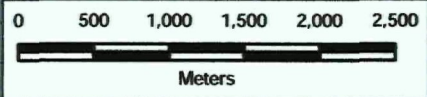


Rain



Legend
*Refer to figure 2b for Geologic Legend

-  Minfile
-  Stream
-  Contour
-  Lake
-  Wetland
-  Tenure Boundary



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

Yukon Geology - Unit

Unit

	PCH	<i>HYLAND : consists upwards of coarse turbiditic clastics (1), limestone (2) and fine clastics typified by maroon and green shale (3); may include younger (4) units; includes scattered mafic volcanic rocks</i>
	PCH3	<i>HIGHLAND : distinctive, recessive, maroon weathering, interbedded maroon and apple-green slate; "Oldhamia" trace fossils; rare grey chert; locally basal member and interbeds of quartz siltstone, sandstone and quartz-pebble conglomerate.</i>
	uPCV	<i>VAMPIRE : dark brown weathering. thin-bedded, argillaceous fine-grained sandstone and siltstone, minor interbedded medium- to coarse grained white to light grey orthoquartzite; phyllite, slate, and argillite.</i>
	ICG1	<i>GULL LAKE : dominantly fine clastic assemblage (1) with local volcanic units (2)</i>
	COR1	<i>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.</i>

Yukon Folds

Type, Orientation, Control

⚡ — — Anticline, Inferred

Yukon Contacts

Type, Control

— — — Inferred

EXPLORATION PROGRAM

Introduction

The Outer Sprogge target was identified due to its coincident anomalous signatures in silt samples of As, Sb, Pb, Mo, Sn and W. The geology of the area is also prospective to hosting Carlin style Au-Ag mineralization, with other mineral occurrences found all along the March Fault and its associated splays. The King historic mineral showing is also a good target that has seen very little work in the past and could represent further mineralization potential in the proximal area.

Program Description

A total of four days were spent in the field on this target between July 18 and 22nd, 2009. The crew drove to the staging area on the Nahanni road from Ross River. A fly camp was set up at the top of Piggot creek, 544263E, 6837026N. Most of the work consisted of prospecting and mapping the target area. The King showing was assessed as well as the ground between the Justin and Sprogge claims. Silt sampling was also completed on the drainages of the Piggot creek valley. One soil line was completed down the valley to test for any possible buried mineralization.

A total of 11 silt, 11 rock and 33 soil samples were taken during the exploration program. Rock samples were taken on the course of the geological mapping and prospecting traverses. Silt samples were taken from the tributary creeks that drained from the surrounding hills around the campsite. One soil sample line was completed lower in the valley to test for any buried mineralization along the projection of the anticline fold axis zone. These samples were analyzed using the Niton XRF analyzer as well as some being sent to Stewart Group analytical laboratories in Kamloops for analysis using BMS-11 with BAUFG-10 for silts and soils and BICP-11 as well as BAUFG-32 and BAGFG-40 for the rock samples.

Total YMIP applicable expenditures for the 2009 exploration program was \$26,798.82.

EXPLORATION RESULTS

Geological Mapping

The geology in between the Sprogge and Justin claims consists of clastic sedimentary units of the Hyland group. For the most part, this includes a quartz pebble conglomerate with minor units of phyllite, quartz arenite and fine grained crystalline limestone. Most of the ground is covered by talus with only small outcrops sticking out on the steeper slopes and the mountain peaks. Quartz veining ranging from mm to metre scale is very common in the target area, most prevalent in the coarser grained units, especially the quartz pebble conglomerate. The veining, for the majority, consists of barren coarse grained bull quartz veins. Clay alteration is locally present in the quartz arenite and quartz pebble conglomerate. These altered zones commonly contain disseminated and blebs of pyrite.

The King showing consists of quartz veins with specs of galena and galena staining hosted in the phyllite unit. It does not consist of economical mineralization and was only found in float trains.

Although quartz veining in the target area is extremely abundant, it appears to be all barren and most

likely a different fluid phase than the one hosting the mineralization nearby.

Although the Hyland Group sediments do include clastic gritty limestones that are potential hosts to Carlin style Au deposits, these types of units were not encountered in the target area; the limestones found were fine grained crystalline in form.

The results of the mapping program is shown in Figure 3.

Geochemistry

The results of the sampling program were not encouraging for the possibility of substantial mineralization. The silt samples did have a few interesting results for copper and lead, one samples, LJOSS001 returned 50 ppm Cu and 132 ppm Pb, from the tributary the furthest west from camp. The soil sampling returned only very marginal results. Some samples exhibited some minor anomalous values for Pb, the highest being 159 ppm Pb from the sample OSL001 05+50W. The highest copper value was 59 ppm from sample OSL001 00+00, the same sample also returning a value of 10 ppm Mo. The samples picked out to be sent to the lab for gold and silver analysis did not return encouraging results either, the best sample returning 1.08 ppm Ag and 16.2 ppb Au (OSL001 00+00) and 1.84 ppm Ag and 9 ppb Au (OSL001 01+50W).

From the rock samples taken, there weren't very encouraging results, especially in terms of the elements of interest, Au and Ag. The best result for copper (156 ppm) came from sample AHOSR006, taken of quartz stockwork veining with rare pyrite hosted in the quartz arenite unit. Sample BWOSR001, taken of a fine grained laminated grey siltstone unit returned the best result for gold at 30 ppb Au, including 130 ppm Cu and 72 ppb Pb. One sample of interest as well was AHOSR005, which returned 0.43 % As from the clay altered quartz pebble conglomerate unit with abundant bull quartz veining and disseminated and blebby sulphides, predominantly pyrite. This high value of arsenic is most likely due solely to the clay alteration in the rock and the higher abundance of pyrite.

The sample are labeled in Figure 4 and the geochemical results are shown in Figures 5a and 5b.

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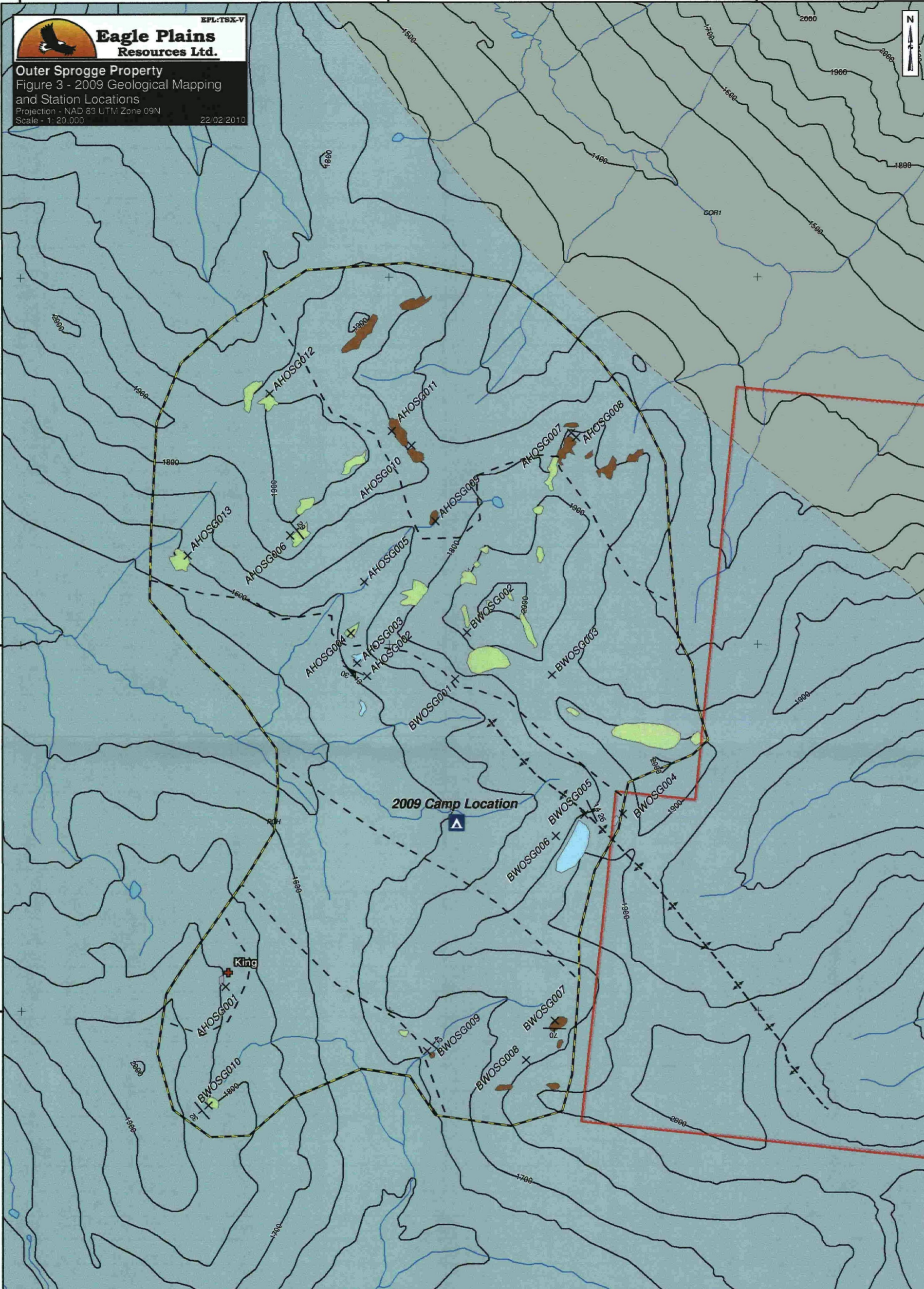
Outer Sprogge Property
Figure 3 - 2009 Geological Mapping
and Station Locations

Projection - NAD 83 UTM Zone 09N
 Scale - 1:20,000
 22.02.2010



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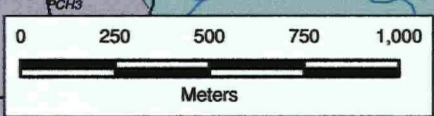
Geologic Legend - After Gordey and Makepeace, 1999
 Modified by Higgs and Wallace 2009

2009 Outcrop Mapping

Limestone	<i>Fine grained crystalline compositional layering with local micro folding</i>	Bedding	2009 Geostation Location
Phyllite	<i>Grey, bedded</i>	Cleavage	Minfile
Quartz Pebble Conglomerate	<i>Green to grey weathered surface, pebbles range from mm to cm size, approx. 10% matrix, phyllite / shale interbeds locally, local clay altered disseminated pyrite blebs</i>	Fold Axis	Contour
Quartz wacke/arenite	<i>Clast mm scale and equigranular, locally clay altered with pyrite diss and blebs, 10% matrix, locally more or less, locally interbedded with shale and phyllite</i>	Compositional Layering	Inferred Contact

Other Symbols:

- Limit of Mapping
- Wetland
- Waterbody
- Tenure Boundary



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**Outer Sprogge Project
Figure 4 - 2009 Sample Location Map**

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

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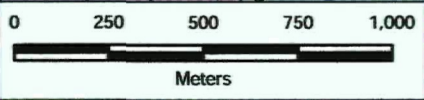
Legend

2009 Outcrop Mapping Unit (Higgs and Wallace 2009)

- Limestone
- Phyllite
- Quartz Pebble Conglomerate
- Quartz wacke/arenite
- Inferred Contact
- Silt Sample Location
- Rock Sample Location
- Soil Sample Location
- Minfile
- Contour
- Limit of Mapping
- Wetland
- Waterbody
- Tenure Boundary

Fine grained crystalline compositional layering with local micro folding
Grey, bedded
Green to grey weathered surface, pebbles range from mm to cm size, approx. 10% matrix, phyllite / shale interbeds locally, local clay altered disseminated pyrite blebs
Clast mm scale and equigranular, locally clay altered with pyrite diss and blebs, 10% matrix, locally more or less, locally interbedded with shale and phyllite

See Figure 2a for Regional Geology Legend



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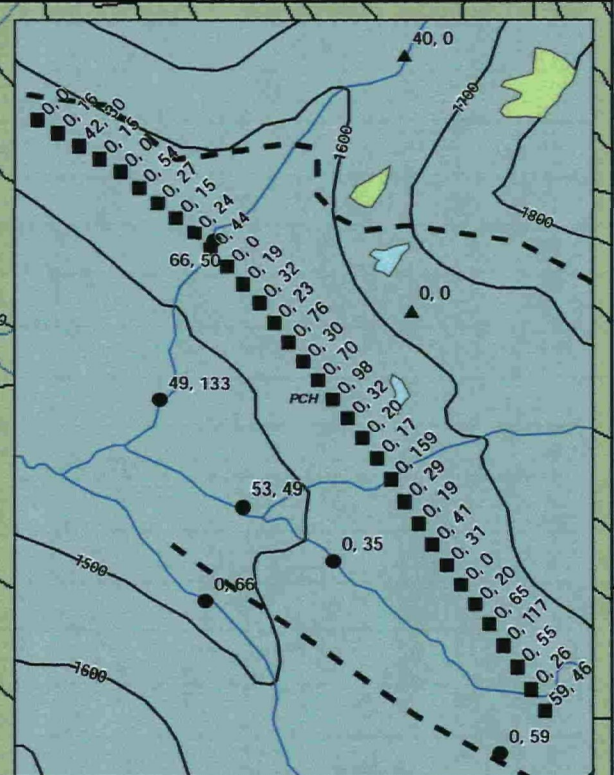
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Eagle Plains Resources Ltd.

EPL-TSX-V

Outer Sprogge Project
Figure 5a - Sample Geochemistry
XRF - Cu, Pb
Projection - NAD 83 UTM Zone 09N
Scale - 1: 20,000
22/02/2010



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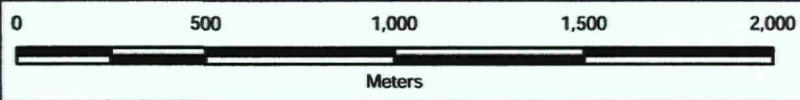
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Legend
2009 Outcrop Mapping
Unit (Higgs and Wallace 2009)

- Limestone
- Phyllite
- Quartz Pebble Conglomerate
- Quartz wacke/arenite
- Inferred Contact
- Rock - XRF - Cu (ppm), Pb (ppm)
- Silt - XRF - Cu (ppm), Pb (ppm)
- Soil - XRF - Cu (ppm), Pb (ppm)
- Minifile
- Contour
- Limit of Mapping
- Wetland
- Waterbody
- Tenure Boundary

Fine grained crystalline compositional layering with local micro folding
Grey, bedded
Green to grey weathered surface, pebbles range from mm to cm size, approx. 10% matrix, phyllite / shale interbeds locally, local clay altered disseminated pyrite blebs
Clast mm scale and equigranular, locally clay altered with pyrite diss and blebs, 10% matrix, locally more or less, locally interbedded with shale and phyllite



See Figure 2a for Regional Geology Legend

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Eagle Plains Resources Ltd.

EPL:TSX-V

Outer Sprogge Project
Figure 5b - Sample Geochemistry
Lab - Au, Ag
Projection - NAD 83 UTM Zone 09N
Scale - 1: 20,000
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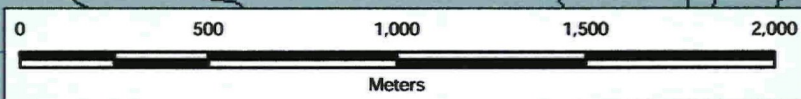
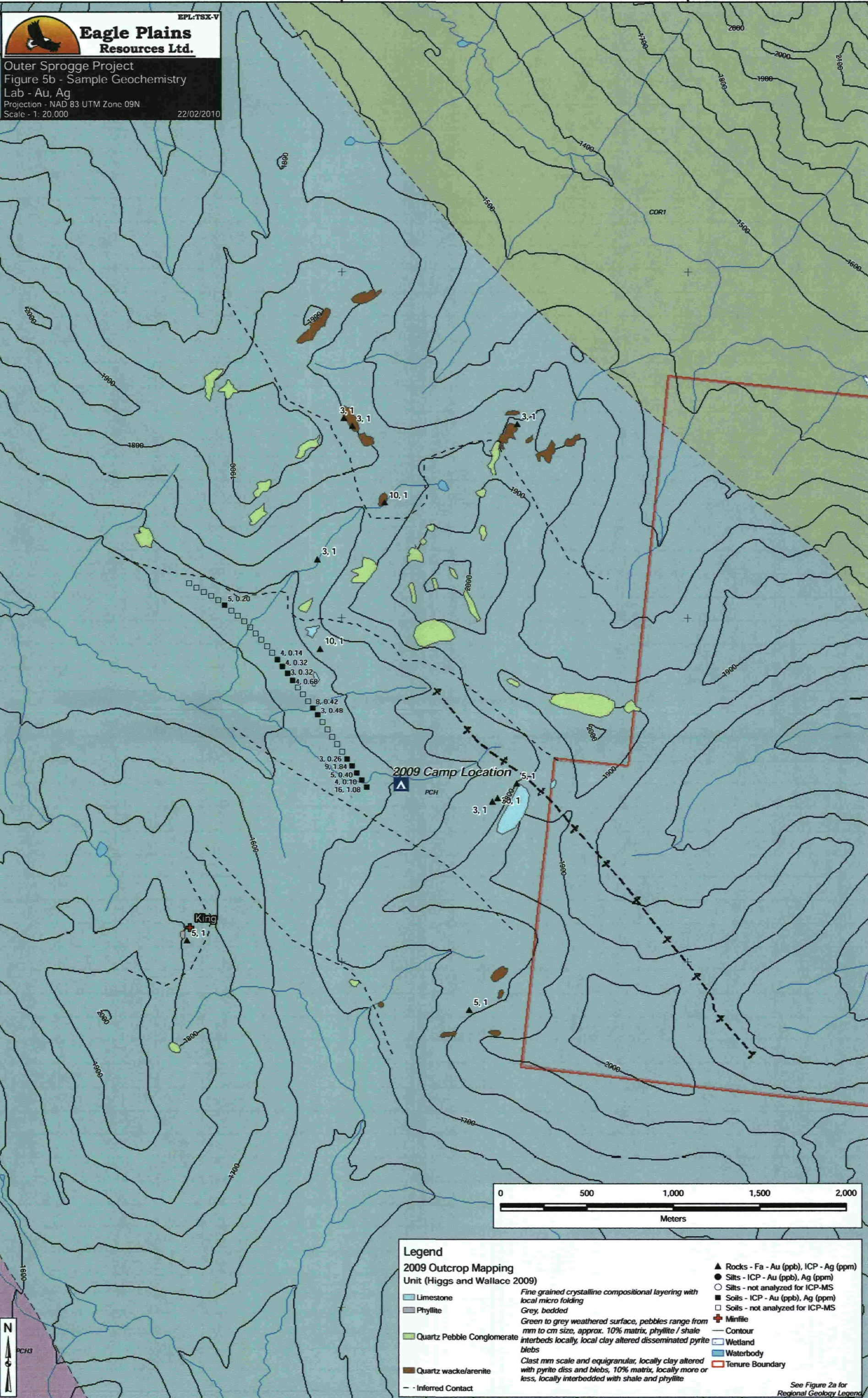
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Legend

2009 Outcrop Mapping Unit (Higgs and Wallace 2009)

- Limestone
- Phyllite
- Quartz Pebble Conglomerate
- Quartz wacke/arenite
- Inferred Contact

Fine grained crystalline compositional layering with local micro folding
Grey, bedded
Grey weathered surface, pebbles range from mm to cm size, approx. 10% matrix, phyllite / shale interbeds locally, local clay altered disseminated pyrite blebs
Clast mm scale and equigranular, locally clay altered with pyrite diss and blebs, 10% matrix, locally more or less, locally interbedded with shale and phyllite

- 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
- Minifile
- Contour
- Wetland
- Waterbody
- Tenure Boundary

See Figure 2a for Regional Geology Legend

Pictures



Looking at the camp location from the south.



Clay Altered Gulleys



Bull Quartz Veining at AHOSG013



Sample AHOSR005 with high As value

CONCLUSIONS

The Outer Sprogge target had the potential to host significant Au-Ag mineralization due to its proximity to the mineralization found on the Sprogge and Justin claims and the fact that the target hosts similar lithology and structure to the mineralization found on those properties.

After investigating the mineralization potential on the target area using mapping, prospecting and a minor amount of soil sampling, the results did not return encouraging results for any elements of interest. The lithologic units encountered were not prospective to hosting Carlin style Au as they consisted of crystalline limestone with no clastic component. The only samples of note returned minor anomalous values for lead and copper and these are sporadic and not believed to be related to a widespread mineralizing system.

RECOMMENDATIONS

No other work is recommended on this target. The geologic mapping and sampling program could be useful to integrate into the work completed on the Justin claims held by Eagle Plains Resources. This work could help with the understanding of the geology and structure in the greater area.

REFERENCES

Brownlee and Johnson (2000), Geological and Geochemical Assessment Report on the Sprogge Property, AR #094225

Gallagher and Downie (2002), Geological Report for the SPROGGE (Justin) Property

Hart and Lewis (2006), Gold Mineralization in the upper Hyland River area: A non-magmatic origin

Appendix I – Statement of Qualifications

AARON A. HIGGS, B. Sc.

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

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

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

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

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

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

Respectfully submitted



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

Appendix II – Statement of Expenditures

Focused Regional Program: Outer Sprogge Project (YMIP# 09-033)		
2009 Expenditures		
1	<i>no daily living allowance , accept actual expenses instead</i>	
2	Travel	
	Truck Rental	\$500 00
	Truck (1145 km @ \$ 0.3 /km)	\$343.50
	Helicopter	\$4,774.20
3	Analyses / Assay Costs	\$536.27
	Other Expenses (groceries, fuel, field consumables, freight)	\$1,085.47
	15% Handling Fee on Disbursements	\$959 38
4	Equipment Rentals / Supplies	
	Niton XRF	\$1,875.00
	Field supplies for crew, GPS, pack, vests, first aid, palm, hammer (5)	\$875.00
	Hand Held Radios (5)	\$250.00
	Computer (2)	\$100.00
	Printer	\$50.00
	Sat phone (2)	\$150.00
	5-ton enclosed trailer	\$500.00
	Chain Saw	\$50.00
	Small Gas Generator	\$225.00
	Large Gas Generator	\$300.00
	Camp Rental	\$750.00
	Shot Guns (2)	\$100.00
	Digital Cameras (2)	\$100.00
	Satellite Internet	\$50.00
	Wages for field work	
	Aaron Higgs, Project Geologist	\$2,500.00
	Bronwyn Wallace, Senior Geologist	\$2,250.00
	Glen Hendrickson, GIS Technician	\$2,250.00
	Nathan Taylor, Geological Technician	\$1,875 00
	Lewis Jones, Geological Technician	\$1,750.00
13	Report Preparation, data analysis and compilation	
	Aaron Higgs, Project Geologist	\$1,250.00
	Glen Hendrickson, GIS Technician	\$1,350.00
TOTAL EXPENSES		\$ 26,798.82

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: HNO₃: H₂O) 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:

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

 **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 Silt Samples**
- 4.3 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	Mtn. %	Alteration	Alt. Degree	Rock Description
AHOSR001	AH	19/07/2009	543107 65	6836126 7				Phyllite		grey	grey green	fine	bedded					0			sample of 1 cm Qtz veining, 3/m with galena staining
AHOSR002	AH	20/07/2009	543677 11	6837821 4				Limestone		grey	grey	fine						0			
AHOSR003	AH	20/07/2009	543661 46	6836339 2				Conglomerate		beige	brownish	medium						0			
AHOSR004	AH	20/07/2009	545013 68	6839128 4				Conglomerate		orangish	orange	medium						0		3	
AHOSR005	AH	21/07/2009	544248 46	6836671 8				Conglomerate		orangish	brownish	medium						0			
AHOSR006	AH	21/07/2009	544012 73	6839162				Aranite		orangish	brownish	fine-medium						0			
BWOSR001	BW	20/07/2009	544902	6836954				Siltstone		grey	rusty	fine-medium	laminated					0			
BWOSR002	BW	21/07/2009	544738	6835723				Shale		grey	grey	fine	laminated					0			
LJOSR001	LJ	20/07/2009	545013	6837039			SELECT	Quartz Wacke	SELECT	greyish	brownish	fine-medium	bedded	SELECT	pyrrhotite	pyrite	BLEBBY	1	SELECT		Qtz vein with po and py, hosted in limestone bed, vein parallel to bedding, green alteration mineral in vein
LJOSR002	LJ	21/07/2009	544873	6836933			SELECT	Limestone	SELECT	greyish	rusty	fine	bedded	SELECT	pyrite	SELECT	DISSEMINATED	1	SELECT		Semi-massive py layer in bedded float, limestone to silty limestone beds, py in silty limestone, barren Qtz vn parallel to bedding
NTOSR001	NT	21/07/2009	544061	6839114			SELECT	Conglomerate	SELECT	grey	beige	fine-medium	bedded	SELECT	pyrite	SELECT	BLEBBY	1	SELECT	1	

Appendix 4.2 - Silt Sample Locations and Descriptions

Sample Number	Sampler	Date (m/d/y)	UTM - East	UTM - North	Turbidity	Depth (cm)	Size (1-5)	Quality (1-5)
LJOSS001	LJ	19/07/2009	543368	6837639	MED	15	5	3
LJOSS002	LJ	19/07/2009	543536	6837424	MED	15	4	3
LJOSS003	LJ	19/07/2009	543719	6837317	MED	15	4	4
LJOSS004	LJ	21/07/2009	544223	6835773	MED	15	4	3
LJOSS005	LJ	21/07/2009	543917	6835495	MED	15	3	3
LJOSS006	LJ	21/07/2009	543662	6836455	LOW	15	4	3
NTOSS001	NT	19/07/2009	544373	6837090	MED	25	1	1
NTOSS002	NT	19/07/2009	544155	6837558	VERY LOW	5	4	3
NTOSS003	NT	19/07/2009	543478	6837965	MED	35	4	4
NTOSS004	NT	19/07/2009	543460	6837233	HIGH	35	2	2
NTOSS005	NT	19/07/2009	544055	6836928	VERY LOW	15	4	2

Appendix 4.3 - 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
OSL001 00+00	LJ	22/07/2009	544145	6837015	dark	grey	0 - 20	25	A	1	LINE_START	ROCKY
OSL001 00+50W	LJ	22/07/2009	544116 90922	6837057 016117	golden	brown	0 - 20	25	B	4	N/A	N/A
OSL001 01+00W	LJ	22/07/2009	544088 81845	6837099 032234	dark	brown	0 - 20	25	B	3	ORGANIC	N/A
OSL001 01+50W	LJ	22/07/2009	544080 72767	6837141.048351	brown	grey	0 - 20	25	B	2	ROCKY	N/A
OSL001 02+00W	LJ	22/07/2009	544032 6369	6837183 064467	brown	dark	0 - 20	25	B	4	ROCKY	N/A
OSL001 02+50W	LJ	22/07/2009	544004 06672	6837224 755285	brown	dark	0 - 20	25	B	4	ROCKY	N/A
OSL001 03+00W	LJ	22/07/2009	543975 40176	6837266 38179	brown	golden	0 - 20	25	B	4	ORGANIC	N/A
OSL001 03+50W	LJ	22/07/2009	543946 73680	6837308 008294	grey	brown	0 - 20	15	B	2	ORGANIC	ROCKY
OSL001 04+00W	LJ	22/07/2009	543918 07185	6837349 834799	golden	brown	0 - 20	25	B	4	5M PAST	N/A
OSL001 04+50W	LJ	22/07/2009	543890 12097	6837391 742224	golden	brown	0 - 20	25	B	4	N/A	N/A
OSL001 05+00W	LJ	22/07/2009	543862 32361	6837433 953033	dark	brown	0 - 20	25	B	4	ORGANIC	N/A
OSL001 05+50W	LJ	22/07/2009	543834 52625	6837476 163842	light	brown	0 - 20	15	B	3	ROCKY	N/A
OSL001 06+00W	LJ	22/07/2009	543806 72889	6837518 374851	light	brown	0 - 20	15	B	2	ROCKY	N/A
OSL001 06+50W	LJ	22/07/2009	543777 13598	6837559 342799	dark	brown	0 - 20	15	B	4	ROCKY	N/A
OSL001 07+00W	LJ	22/07/2009	543747 42399	6837600 228533	rusty	brown	0 - 20	15	B	5	N/A	N/A
OSL001 07+50W	LJ	22/07/2009	543717 71199	6837641 114266	golden	brown	0 - 20	15	B	5	N/A	N/A
OSL001 08+00W	LJ	22/07/2009	543688	6837682	golden	brown	0 - 20	15	B	4	ROCKY	N/A
OSL001 08+50W	LJ	22/07/2009	543658 34916	6837720 717598	brown	brown	0 - 20	35	B	2	ROCKY	ORGANIC
OSL001 09+00W	LJ	22/07/2009	543628 69836	6837759 435197	brown	brown	0 - 20	25	B	4	N/A	N/A
OSL001 09+50W	LJ	22/07/2009	543599 04754	6837798.152796	light	brown	0 - 20	35	C	3	ROCKY	N/A
OSL001 10+00W	LJ	22/07/2009	543569 39672	6837836 870393	rusty	brown	0 - 20	25	B	3	ROCKY	N/A
OSL001 10+50W	LJ	22/07/2009	543536 76451	6837873 092386	rusty	brown	0 - 20	25	B	3	ROCKY	10M BEFORE
OSL001 11+00W	LJ	22/07/2009	543503 87011	6837909 094915	brown	brown	0 - 20	25	B	4	N/A	N/A
OSL001 11+50W	LJ	22/07/2009	543470 97572	6837945 097445	brown	brown	0 - 20	25	B	3	N/A	N/A
OSL001 12+00W	LJ	22/07/2009	543437 81127	6837980 816785	light	brown	0 - 20	15	B	3	ROCKY	N/A
OSL001 12+50W	LJ	22/07/2009	543400 28716	6838011 964250	light	brown	0 - 20	15	B	3	ROCKY	5M PAST
OSL001 13+00W	LJ	22/07/2009	543362 76305	6838043 111715	dark	brown	0 - 20	15	B	4	N/A	N/A
OSL001 13+50W	LJ	22/07/2009	543325 23894	6838074 25918	dark	brown	0 - 20	25	B	4	ROCKY	N/A
OSL001 14+00W	LJ	22/07/2009	543287 71483	6838105 406845	brown	brown	0 - 20	25	A	4	ORGANIC	N/A
OSL001 14+50W	LJ	22/07/2009	543245 84935	6838130 394695	brown	brown	0 - 20	25	B	4	ORGANIC	N/A
OSL001 15+00W	LJ	22/07/2009	543203 89957	6838155 26313	brown	brown	0 - 20	25	A	4	ROCKY	N/A
OSL001 15+50W	LJ	22/07/2009	543161 94978	6838180.131585	dark	brown	0 - 20	35	A	1	ORGANIC	TALUS
OSL001 16+00W	LJ	22/07/2009	543120	6838205	dark	brown	0 - 20	35	A	2	ORGANIC	LINE_END

Appendix V – Analytical Certificates

5.1 Rock Samples

5.2 Soil and Silt Samples

5.1 Rock Samples

2-Feb-10

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

ICP CERTIFICATE OF ANALYSIS AK 2010-0018

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

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

No of samples received. 1
Sample Type. Rock
Project: OS
Shipment #: OS09-002
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	8106-9	1.0	0.68	5	20	<5	8.88	2	26	35	130	6.16	<10	0.47	1891	<1	0.02	18	140	72	<5	<20	483	<0.01	<10	7	<10	8	30

QC DATA:

Repeat:


1	8106-9	0.9	0.65	5	20	<5	9.05	2	26	35	126	6.16	<10	0.44	1923	<1	0.02	17	140	74	<5	<20	483	<0.01	<10	7	<10	8	31
---	--------	-----	------	---	----	----	------	---	----	----	-----	------	-----	------	------	----	------	----	-----	----	----	-----	-----	-------	-----	---	-----	---	----

Standard:

Pb129a		12.2	0.84	5	65	<5	0.47	58	6	12	1412	1.54	<10	0.70	357	2	0.03	5	430	6178	15	<20	32	0.03	<10	20	<10	2	9975
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ICP: Aqua Regia Digest/ICP AES Finish

Ag: Aqua Regia Digest/AA Finish


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

VM/nw
11/2_12S
KLS/10

Eco Tech Laboratory Ltd.
 2953 Shuswap Road
 Kamloops, BC
 V2H 1S9 Canada
 Tel + 1 250 573 5700
 Fax + 1 250 573 4557
 Toll Free + 1 877 573 5755
 www.stewartgroupglobal.com



StewartGroup
 Geochemical & Assay

CERTIFICATE OF ASSAY AK 2010-0018

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

19-Jan-10

No. of samples received: 1
Sample Type: Rock
Project: OS
Shipment #: OS09-002
Submitted by: Chris Gallagher

ET #.	Tag #	Au (g/t)	Au oz/t)	Ag (g/t)	Ag oz/t)
1	8106-9	0.03	0.001	1.0	0.03

QC DATA:

Repeat:

1	8106-9			0.9	0.03
---	--------	--	--	-----	------

Standard:

OxI67		1.83	0.053		
Pb129				24.1	0.70

ECO TECH LABORATORY LTD.

Norman Monteith
 B.C. Certified Assayer

NM/nw
 XLS/10

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StewartGroup
Geochemical & Assay

CERTIFICATE OF ANALYSIS AK 2010-0078

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

3-Feb-10

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

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

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StewartGroup
Geochemical & Assay

BOOTLEG EXPLORATION INC. AK10-0078

3-Feb-10

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

QC DATA:

Repeat:

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

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StewartGroup
Geochemical & Assay

BOOTLEG EXPLORATION INC. AK10-0078

3-Feb-10

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

Standard:

OXE74	635
OXE74	630

FA Geochem/AA Finish

NM/nw
XLS/10


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

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Toll Free + 1 877 573 5755
www.stewartgroupgicba.com



StewartGroup
Geochemical & Assay

CERTIFICATE OF ASSAY AK 2010-0078

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

4-Feb-10

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

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

QC DATA:

Repeat:

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

Standard:

OXI67		1.84	0.054
-------	--	------	-------

ECO TECH LABORATORY LTD.

Norman Monteith
B.C. Certified Assayer

NM/nw
XLS/10

4-Feb-10

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

ICP CERTIFICATE OF ANALYSIS AK 2010-0078

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

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

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


Values in ppm unless otherwise reported

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8087-1	0.2	2.42	<5	190	<5	1.15	<1	20	107	110	3.18	<10	2.15	424	1	0.13	46	1430	10	<5	<20	138	0.20	<10	109	<10	7	78
2	8087-2	<0.2	1.77	<5	70	<5	1.59	<1	12	96	9	2.39	<10	1.19	630	1	0.12	19	690	6	<5	<20	83	0.15	<10	81	<10	3	46
3	8087-3	11.4	0.34	10	15	1245	0.69	<1	2	180	17	0.57	<10	0.03	51	<1	0.01	11	10	48	5	<20	436	<0.01	<10	3	<10	<1	4
4	8087-4	0.3	1.80	<5	20	<5	1.13	<1	44	190	443	4.71	<10	1.08	198	1	0.21	205	1240	8	<5	<20	93	0.14	<10	59	<10	4	24
5	8087-6	<0.2	1.73	<5	40	<5	3.44	<1	38	441	85	2.63	<10	3.90	408	<1	0.01	557	810	2	5	<20	345	0.02	<10	46	<10	2	20
6	8087-7	<0.2	1.15	<5	15	<5	2.58	<1	12	54	17	2.45	<10	0.71	427	2	0.07	6	2320	4	<5	<20	42	0.14	<10	57	<10	10	51
7	8087-8	<0.2	4.23	<5	45	<5	4.27	<1	23	80	123	2.95	<10	1.32	387	2	0.04	19	400	10	<5	<20	65	0.11	<10	118	<10	2	31
8	8087-10	<0.2	3.72	<5	295	<5	2.12	<1	18	285	25	2.94	<10	4.80	557	2	0.18	240	890	10	5	<20	139	0.18	<10	95	<10	5	72
9	8087-11	0.3	2.35	<5	25	<5	1.28	5	32	182	135	4.59	<10	2.08	1018	1	0.20	100	1650	8	<5	<20	87	0.17	<10	115	<10	6	720
10	8087-12	<0.2	1.46	20	70	<5	0.67	6	108	84	87	3.71	<10	1.01	1282	1	0.09	47	910	10	<5	<20	67	0.11	<10	56	<10	4	288
11	8087-13	<0.2	2.83	<5	40	<5	2.15	<1	39	185	93	3.88	<10	2.95	502	2	0.20	116	1550	6	<5	<20	109	0.15	<10	116	<10	5	53
12	8087-14	<0.2	0.88	75	25	<5	2.48	<1	13	222	7	1.00	<10	1.47	384	<1	0.02	120	400	<2	<5	<20	80	0.07	<10	41	<10	3	23
13	8087-15	<0.2	4.25	<5	30	<5	3.03	<1	26	63	33	3.46	<10	2.40	559	2	0.14	27	510	10	<5	<20	95	0.11	<10	80	<10	2	45
14	8087-16	<0.2	2.84	<5	55	<5	1.37	<1	20	48	310	3.41	<10	1.73	292	2	0.34	39	1750	8	<5	<20	110	0.13	<10	96	<10	4	29
15	8087-17	8.0	0.08	15	15	135	0.13	<1	4	218	6	0.40	<10	0.07	70	<1	0.01	46	10	14	5	<20	74	<0.01	<10	6	<10	<1	6
16	8088-1	3.5	0.17	<5	15	5	0.08	1	4	164	38	1.09	<10	0.02	1383	9	0.01	5	150	182	<5	<20	9	<0.01	<10	4	<10	3	190
17	8088-2	1.6	1.03	130	80	<5	0.69	<1	5	58	159	3.32	20	0.29	267	6	0.05	2	720	152	5	<20	26	<0.01	<10	18	<10	13	133
18	8088-3	0.2	1.60	<5	60	<5	0.48	<1	4	56	15	2.17	<10	0.48	504	3	0.14	4	580	16	<5	<20	72	0.02	<10	23	<10	4	104
19	8088-4	<0.2	2.41	15	60	<5	1.03	<1	5	67	15	1.93	<10	0.41	343	8	0.16	5	580	14	<5	<20	71	<0.01	<10	15	<10	3	87
20	8088-5	0.6	1.62	20	10	<5	1.94	<1	28	89	84	5.90	<10	2.05	1347	<1	0.06	47	20	6	10	<20	51	0.27	<10	211	<10	4	27
21	8088-6	0.2	1.19	35	70	<5	0.20	<1	<1	65	17	2.14	<10	0.44	107	1	0.04	4	680	12	10	<20	44	<0.01	<10	8	<10	2	30
22	8088-7	<0.2	0.74	45	<5	<5	6.81	<1	16	98	40	3.84	<10	1.35	662	<1	0.02	19	40	4	<5	<20	63	0.13	<10	127	<10	4	27
23	8088-10	0.3	2.21	<5	65	<5	1.38	<1	4	62	61	1.70	10	0.23	301	2	0.25	3	620	18	<5	<20	147	0.04	<10	22	<10	4	45
24	8088-12	<0.2	1.24	55	10	<5	>10	<1	23	140	14	5.47	<10	1.80	1091	2	0.02	26	50	6	<5	<20	91	0.13	<10	159	<10	5	62
25	8088-14	<0.2	0.52	70	<5	<5	5.62	<1	17	144	4	4.59	<10	0.67	536	<1	0.02	31	30	<2	<5	<20	70	0.09	<10	121	<10	3	15

Et #.	Tag #	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
26	8088-15	0.2	2.19	40	125	<5	1.09	1	14	64	97	1.74	<10	0.28	103	28	0.18	51	1010	10	<5	<20	324	<0.01	<10	16	<10	5	192
27	8088-16	0.7	0.38	15	45	<5	0.80	<1	3	87	3	1.94	30	0.06	1441	8	0.04	3	610	16	<5	<20	37	<0.01	<10	9	<10	17	55
28	8088-17	0.2	0.88	<5	60	<5	0.13	<1	4	57	48	1.89	<10	0.55	295	25	0.06	3	520	6	<5	<20	38	0.12	<10	34	<10	3	52
29	8088-18	<0.2	3.98	25	75	<5	2.57	<1	8	52	60	2.09	<10	0.43	341	3	0.10	38	970	10	<5	<20	504	0.07	<10	34	<10	8	50
30	8088-19	<0.2	2.77	5	60	<5	1.32	<1	5	72	54	2.36	<10	0.42	345	4	0.23	5	590	14	<5	<20	111	0.02	<10	19	<10	3	65
31	8088-20	<0.2	5.92	45	50	<5	3.32	3	4	81	16	1.08	<10	0.20	195	9	0.41	13	700	46	<5	<20	199	0.04	<10	33	<10	5	246
32	8088-21	0.2	2.21	10	65	<5	0.86	<1	14	88	118	2.78	<10	0.42	136	33	0.13	61	1280	8	5	<20	97	0.02	<10	86	<10	6	53
33	8088-22	<0.2	6.46	<5	85	<5	3.25	1	7	56	41	2.61	<10	0.94	181	5	0.19	7	720	28	<5	<20	308	0.07	<10	43	<10	4	28
34	8088-23	0.2	2.81	10	35	<5	0.88	2	4	77	40	2.16	<10	0.81	276	12	0.14	6	590	28	<5	<20	73	0.03	<10	29	<10	3	209
35	8088-24	0.4	1.61	<5	10	5	0.80	<1	35	58	162	>10	<10	0.25	469	3	0.15	46	350	32	<5	<20	74	0.05	<10	109	30	3	46
36	8088-25	1.0	1.26	5	60	<5	0.95	4	6	62	75	2.06	10	0.58	507	2	0.11	4	630	24	<5	<20	42	0.02	<10	27	<10	6	119
37	8088-26	0.2	0.94	10	75	<5	0.20	<1	2	36	8	1.75	<10	0.47	165	4	0.02	2	590	8	<5	<20	22	<0.01	<10	4	<10	3	22
38	8088-28	1.0	0.86	<5	90	<5	0.12	<1	3	49	11	2.12	<10	0.29	221	3	0.03	2	580	16	<5	<20	7	<0.01	<10	8	<10	3	70
39	8088-29	<0.2	2.27	5	65	<5	0.81	<1	8	95	39	2.51	<10	0.76	399	5	0.22	6	590	12	<5	<20	72	0.06	<10	30	<10	5	73
40	8101-1	<0.2	1.61	<5	140	<5	1.26	<1	12	147	101	2.34	30	1.12	279	3	0.10	15	900	22	<5	<20	47	0.17	<10	60	<10	6	28
41	8101-4	0.4	1.63	<5	30	<5	1.33	<1	10	55	141	3.88	10	0.18	35	4	0.14	28	1650	20	<5	<20	78	0.10	<10	22	<10	6	35
42	8101-7	0.2	0.08	<5	<5	10	5.52	<1	9	28	204	6.04	<10	0.11	537	<1	0.02	8	830	4	<5	<20	55	<0.01	<10	3	<10	1	5
43	8101-11	<0.2	0.80	5	20	<5	0.65	<1	2	164	10	0.61	20	0.03	30	1	0.05	8	210	12	<5	<20	43	0.03	<10	9	<10	10	15
44	8104-1	0.4	3.96	<5	30	<5	2.19	<1	37	151	240	5.37	<10	1.52	218	2	0.10	38	290	40	<5	<20	73	0.06	<10	33	<10	3	68
45	8104-2	<0.2	2.83	<5	25	<5	5.20	<1	32	57	157	5.42	<10	2.36	792	2	0.04	42	1410	8	<5	<20	65	0.34	<10	103	<10	5	70
46	8104-3	<0.2	0.22	<5	15	<5	7.58	<1	8	91	12	1.80	<10	5.94	695	<1	0.02	11	120	<2	<5	<20	76	<0.01	<10	10	<10	2	7
47	8104-4	<0.2	1.37	<5	15	<5	3.92	<1	15	86	32	2.12	<10	0.78	350	2	0.01	23	730	2	<5	<20	350	0.26	<10	46	<10	3	20
48	8104-5	<0.2	8.54	165	285	<5	1.50	<1	69	389	90	6.56	<10	5.38	350	5	0.18	189	1960	24	10	<20	116	0.24	<10	202	<10	4	95
49	8104-7	<0.2	1.30	<5	50	<5	1.27	<1	28	37	179	2.19	<10	0.36	56	2	0.16	50	1400	36	<5	<20	36	0.22	<10	31	<10	5	26
50	8104-8	<0.2	7.91	<5	65	<5	2.82	<1	108	9	407	8.19	<10	3.47	168	6	0.18	24	2670	20	<5	<20	64	0.18	<10	244	10	8	61
51	8104-12	<0.2	0.17	<5	30	<5	2.67	<1	2	137	36	0.86	<10	0.19	310	<1	0.01	7	30	<2	<5	<20	44	<0.01	<10	7	<10	1	2
52	8104-14	<0.2	7.85	<5	220	<5	3.54	<1	16	98	78	2.52	<10	1.28	143	4	0.58	36	450	38	<5	<20	300	0.09	<10	50	<10	2	55
53	8104-17	<0.2	5.00	<5	40	<5	2.91	<1	41	73	210	4.11	<10	1.03	134	5	0.27	29	1360	10	5	<20	114	0.28	<10	86	<10	5	18
54	8104-19	0.3	4.56	10	45	<5	3.67	<1	37	144	202	5.04	<10	2.35	341	3	0.07	86	1690	18	<5	<20	117	0.15	<10	89	<10	6	80
55	8105-3	<0.2	2.26	<5	355	<5	0.78	<1	11	94	10	2.72	40	0.88	394	2	0.17	8	770	12	<5	<20	59	0.26	<10	60	<10	12	64
56	8105-5	0.2	3.07	5	15	<5	1.92	<1	24	72	40	8.10	10	0.23	181	2	0.04	34	1410	18	5	<20	104	0.12	<10	22	10	4	14
57	8105-7	<0.2	1.43	<5	110	<5	0.55	<1	11	82	90	4.07	60	0.58	485	6	0.10	3	930	10	<5	<20	46	0.16	<10	20	<10	24	44
58	8106-1	<0.2	0.47	<5	15	<5	0.04	<1	3	158	4	1.78	<10	0.17	556	<1	0.02	10	190	20	<5	<20	9	<0.01	<10	3	<10	2	23
59	8106-2	<0.2	0.03	<5	10	<5	>10	<1	<1	4	2	0.13	<10	0.36	34	<1	0.01	2	100	<2	<5	<20	2023	<0.01	<10	2	<10	1	3
60	8106-3	<0.2	0.23	185	5	<5	0.09	<1	2	159	10	2.79	<10	<0.01	120	<1	0.01	8	110	<2	<5	<20	7	<0.01	<10	8	<10	1	19
61	8106-4	<0.2	0.27	15	5	<5	0.07	<1	6	212	58	2.88	<10	0.07	94	<1	0.03	13	100	<2	<5	<20	10	<0.01	<10	5	<10	1	6
62	8106-5	<0.2	0.24	4250	20	<5	0.04	8	10	141	19	2.65	<10	0.02	98	<1	0.01	13	80	<2	5	<20	5	<0.01	<10	7	<10	1	9
63	8106-6	<0.2	0.09	<5	<5	<5	0.02	<1	2	235	156	0.68	<10	<0.01	108	<1	<0.01	10	50	<2	<5	<20	3	<0.01	<10	3	<10	<1	14
64	8106-7	<0.2	0.68	<5	15	<5	4.03	<1	3	95	12	1.84	<10	0.39	490	<1	0.02	14	130	16	<5	<20	283	<0.01	<10	4	<10	5	44
65	8106-8	<0.2	0.23	<5	25	<5	8.10	<1	5	62	26	1.50	<10	0.20	694	3	0.02	11	100	18	<5	<20	809	<0.01	<10	2	<10	7	50
66	8106-10	<0.2	2.14	15	40	<5	0.17	<1	19	53	31	5.01	<10	0.98	173	2	0.02	42	240	68	<5	<20	28	<0.01	<10	14	<10	3	87
67	8106-11	<0.2	0.29	<5	20	<5	0.07	<1	6	116	45	3.45	<10	0.02	202	<1	0.01	16	90	2	<5	<20	5	<0.01	<10	7	<10	2	21

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
QC DATA:																													
Repeat:																													
1	8087-1	0.2	2.49	<5	195	<5	1.19	<1	20	109	113	3.25	<10	2.16	435	1	0.14	47	1450	8	<5	<20	148	0.21	<10	111	<10	7	74
10	8087-12	<0.2	1.51	20	70	<5	0.66	6	106	81	88	3.53	<10	1.04	1254	1	0.09	46	920	10	<5	<20	69	0.11	<10	55	<10	4	277
19	8088-4	<0.2	2.40	15	55	<5	1.04	<1	5	69	15	1.96	<10	0.41	352	8	0.16	5	580	14	<5	<20	71	<0.01	<10	15	<10	3	88
28	8088-17	0.2	0.90	<5	60	<5	0.14	<1	4	62	48	2.00	<10	0.55	311	25	0.06	3	530	6	<5	<20	39	0.13	<10	35	<10	3	54
36	8088-25	0.8	1.26	5	60	<5	0.93	4	6	63	74	2.09	10	0.57	516	2	0.11	4	630	24	<5	<20	43	0.02	<10	27	<10	6	117
45	8104-2	<0.2	2.87	<5	25	<5	5.18	<1	32	57	159	5.42	<10	2.39	793	2	0.04	42	1430	8	<5	<20	66	0.36	<10	104	<10	6	70
54	8104-19	0.3	4.50	15	50	<5	3.71	<1	39	141	198	5.13	<10	2.31	341	4	0.07	89	1680	18	<5	<20	118	0.15	<10	90	<10	6	81
Standard:																													
Pb129a		11.3	0.82	5	50	<5	0.44	54	5	10	1422	1.50	<10	0.67	334	3	0.03	5	410	6178	15	<20	25	0.04	<10	14	<10	2	9936
Pb129a		11.8	0.83	5	55	<5	0.46	59	5	10	1439	1.50	<10	0.71	334	3	0.03	5	440	6158	15	<20	27	0.04	<10	14	<10	2	9923

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


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

NM/nw
 dt/2_76s
 XLS/10

Sample #	Lab Analysis #
AHOSR001	8106-1
AHOSR002	8106-2
AHOSR003	8106-3
AHOSR004	8106-4
AHOSR005	8106-5
AHOSR006	8106-6
BWOSR001	8106-9
BWOSR002	8106-10
LJOSR001	8106-7
LJOSR002	8106-8
NTOSR001	8106-11

5.2 Soil and Silt Samples

18-Jan-10

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

ICP CERTIFICATE OF ANALYSIS AK 2010- 0023

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

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

No. of samples received: 12
Sample Type: Soil
Project: OS
Shipment #: OS09-002
Submitted by: Chris Gallagher

Values in ppm unless otherwise reported

Et #.	Tag #	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Se ppm	Sr ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1	OSL00100+00W	16.2	1.1	1.31	21.6	41.5	0.48	0.55	0.21	8.1	13.5	27.0	3.05	3.9	60	0.08	14.5	0.13	423	0.83	0.088	28.0	1175	47.09	0.18	1.08	1.4	0.9	44.5	0.06	2.8	0.004	0.10	3.0	12	0.2	70
2	OSL00100+50W	4.0	0.1	0.83	6.7	17.0	0.24	0.09	0.10	5.1	6.5	18.0	1.69	2.5	15	0.04	12.0	0.13	150	0.30	0.049	8.6	547	21.60	0.08	0.32	0.6	0.3	7.5	0.02	1.5	0.003	0.06	1.0	8	<0.1	34
3	OSL00101+00W	5.4	0.4	0.95	18.2	29.5	0.40	0.15	0.44	6.2	16.0	14.9	2.79	3.2	35	0.05	10.5	0.22	238	0.54	0.042	18.2	1486	59.44	0.16	0.58	1.0	0.3	15.5	0.04	3.3	0.004	0.06	2.7	12	0.1	91
4	OSL00101+50W	8.8	1.8	1.65	31.0	49.5	0.48	0.83	0.68	10.3	24.0	39.8	3.68	3.7	125	0.10	26.5	0.22	470	0.52	0.047	32.8	1430	124.10	0.16	1.00	4.2	1.6	45.0	0.10	6.4	0.005	0.10	6.9	14	0.1	14
5	OSL00102+00W	3.4	0.3	0.78	30.6	23.5	0.40	0.03	0.17	5.2	11.0	16.1	2.52	2.6	20	0.04	13.5	0.19	137	0.31	0.036	16.9	625	49.96	0.08	0.64	0.6	0.2	4.5	0.04	3.9	0.001	0.04	0.6	8	<0.1	64
6	OSL00105+00W	3.2	0.5	0.70	11.8	28.0	0.40	0.04	0.11	3.9	11.5	11.4	2.22	4.0	30	0.04	16.5	0.09	124	0.60	0.036	10.7	1204	19.88	0.08	0.38	0.2	0.3	7.0	0.04	1.1	0.002	0.08	0.6	14	<0.1	39
7	OSL00105+50W	8.2	0.4	0.57	112.4	22.0	1.12	0.02	0.32	9.3	11.0	21.6	2.93	3.0	25	0.03	13.5	0.09	431	0.47	0.041	21.2	615	179.80	0.08	1.40	0.4	0.3	5.5	0.04	0.6	0.002	0.10	0.7	14	0.1	106
8	OSL00107+50W	4.4	0.7	0.66	119.7	25.0	0.36	0.01	0.14	4.1	7.5	14.9	2.07	2.7	20	0.03	15.5	0.09	129	0.27	0.036	11.7	514	79.34	0.04	0.64	0.5	0.3	3.5	0.04	2.8	0.005	0.08	0.5	8	<0.1	51
9	OSL00108+00W	3.4	0.3	0.96	71.9	76.5	0.46	0.29	0.42	8.7	15.0	23.3	3.89	3.8	25	0.04	13.5	0.16	276	0.48	0.042	24.9	1054	72.67	0.08	1.24	0.9	0.3	22.0	0.06	3.2	0.002	0.10	0.9	16	0.1	151
10	OSL00108+50W	3.8	0.3	0.55	13.4	41.5	0.28	8.18	0.31	16.6	6.5	25.9	3.64	2.0	80	0.04	16.0	0.10	635	0.64	0.045	32.3	1524	31.35	0.22	1.14	1.8	0.8	249.5	0.08	2.0	0.003	0.08	2.6	8	0.2	43
11	OSL00109+00W	4.0	0.1	0.84	53.8	37.5	0.42	0.51	0.43	8.3	12.0	22.8	2.97	2.6	30	0.04	14.0	0.16	180	0.48	0.039	25.7	638	81.35	0.08	1.30	1.2	0.5	35.5	0.06	4.6	0.001	0.10	2.1	10	0.1	134
12	OSL00113+50W	5.2	0.2	1.32	68.9	27.0	0.52	0.03	0.23	14.6	20.0	32.6	4.64	4.2	35	0.04	14.0	0.32	837	0.67	0.043	30.7	1245	57.78	0.10	1.48	1.0	0.5	7.0	0.06	3.3	0.005	0.08	1.4	16	<0.1	93

QC DATA:

Repeat:																																					
2	OSL00100+50W	2.6	0.1	0.79	6.7	16.0	0.24	0.09	0.09	5.0	6.5	15.5	1.67	2.3	15	0.03	11.0	0.12	147	0.28	0.046	8.2	530	22.22	0.04	0.32	0.5	0.3	6.5	0.02	1.0	0.004	0.04	1.0	8	<0.1	33

Standard:																																				
OXE74	640	0.1	1.70	1.3	64.5	0.04	0.86	0.03	20.6	60.0	31.3	3.28	6.1	<5	0.37	13.0	1.58	458	1.74	0.736	81.4	1028	11.03	0.06	0.02	1.4	0.2	174.0	0.08	1.8	0.418	0.04	0.6	54	0.2	45.

Aqua Regia Digest/ICPMS Finish

NM/nw
dl/msr13AuS
XLS/10



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

Appendix VI – Bedrock Geologic Mapping

6.1 Station Locations

6.2 Lithology

6.3 Structure

Appendix 6.1 - 2006 Field Mapping Stations

Station Number	Date (dd/mm/yyyy)	Type	Elevation (m)	Easting (m)	Northing (m)	Location Method	GPS Accuracy (m)	Comments
AHOSG001	19/07/2009	rubble	1784	543108	6836126.7	GPS	2	King showing consisting of qtz veining float trans with specs of galena and galena staining
AHOSG002	20/07/2009	outcrop	1646	543877	6837821.4	GPS	1	crystalline limestone with qtz stockwork veining, no sulphides present
AHOSG003	20/07/2009	outcrop	1639	543823	6837896.2	GPS	2	limestone appears to have rough bedding/compositional layering and micro folding of these layers.
AHOSG004	20/07/2009	outcrop	1640	543789	6838060.3	GPS	1	
AHOSG005	20/07/2009	float	1640	543861	6838339.2	GPS	2	
AHOSG006	20/07/2009	outcrop	1859	543460	6838596.3	GPS	2	qtz pebble conglomerate unit is interbedded with phyllite unit, ranging from 1 m to 30 m sections
AHOSG007	20/07/2009	outcrop	1818	544988	6839151.4	GPS	5	qtz pebble conglomerate with more clay alteration, shows as brown/rusty weathered surface
AHOSG008	20/07/2009	outcrop	1840	545014	6839128.4	GPS	3	clay altered qtz pebble conglomerate, alteration commonly replaces the matrix. Py diss and blebs, up to 5%, ~150 zone of outcrop, terrains steep and slippery and altered zones form gulleys
AHOSG009	21/07/2009	outcrop	1724	544248	6838671.8	GPS	1	clay altered qtz pebble conglomerate, 100 m outcrop along creek. Contains abundant bull qtz veining and diss/blebs of py+/-aspy in altered rock
AHOSG010	21/07/2009	outcrop	1774	544120	6839084.5	GPS	3	unit looks more like a quartz arenite, fg clasts of qtz with minor matrix<10%
AHOSG011	21/07/2009	subcrop	1784	544013	6839162	GPS	2	qtz veining stockwork in quartz arenite unit, sample of qtz vein material with bleb of py
AHOSG012	21/07/2009	outcrop	1861	543350	6839368.4	GPS	3	
AHOSG013	21/07/2009	outcrop	1620	542904	6838491	GPS	2	Lower elevation outcrop, contains abundant white coarse grained bull veining, mm to m scale
BWOSG001	20/07/2009	outcrop		544355	6837806	GPS	11	qtz pebble conglomerate with abundant qtz veining, barren
BWOSG002	20/07/2009	outcrop		544420	6838065	GPS	12	
BWOSG003	20/07/2009	outcrop		544882	6837828	GPS	8	qtz wacke with prominent veining, mudier and sandier interbeds
BWOSG004	20/07/2009	outcrop		545266	6837069	GPS	10	green silt - mudstone common
BWOSG005	20/07/2009	outcrop		545056	6837066	GPS	11	siltstone with rare carbonate beds, all beds approximately 4cm
BWOSG006	20/07/2009	float		544902	6836954	GPS	6	
BWOSG007	21/07/2009	outcrop		544895	6835947	GPS	10	thinly bedded siltstone in contact with qtz arenite, some pyr nodules in qtz/calcite veins
BWOSG008	21/07/2009	subcrop		544738	6835723	GPS	8	20x20 m outcrop and large area of subcrop, rare pyr nodules
BWOSG009	21/07/2009	outcrop		544200	6835773	GPS	13	thinly bedded siltstone, abundant rusty coatings, sharp 10 cm amplitude folding in some layers
BWOSG010	21/07/2009	outcrop		543013	6835483	GPS	14	silt to sandstone interbeds, also pebble conglomerate layers

Appendix 6.2 - Lithology

Station Number	User	Date (dd/mm/yyyy)	Station Type	Map Unit	Rock Type	Colour	Colour Weathered	Grain size	Texture	Mineralization	Mineralization Minor	Min. Style	Min. %	Alteration	Alt. Degree
AHOSG001	AH	19/07/2009	rubble		Phyllite	grey	grey green	fine	bedded				0		
AHOSG002	AH	20/07/2009	outcrop		Limestone	grey	grey	fine					0		
AHOSG003	AH	20/07/2009	outcrop		Limestone								0		
AHOSG004	AH	20/07/2009	outcrop		Conglomerate	grey	brownish	medium					0		
AHOSG005	AH	20/07/2009	float		Conglomerate	beige	brownish	medium					0		
AHOSG006	AH	20/07/2009	outcrop		Conglomerate								0		
AHOSG007	AH	20/07/2009	outcrop		Conglomerate	greyish	brownish	medium					0		
AHOSG008	AH	20/07/2009	outcrop		Conglomerate	orangish	orange	medium					0		3
AHOSG009	AH	21/07/2009	outcrop		Conglomerate	orangish	brownish	medium					0		
AHOSG010	AH	21/07/2009	outcrop		Arenite	white	brownish	fine-medium					0		
AHOSG011	AH	21/07/2009	subcrop		Arenite	orangish	brownish	fine-medium					0		
AHOSG012	AH	21/07/2009	outcrop		Arenite	greyish	brownish	fine-medium					0		
AHOSG013	AH	21/07/2009	outcrop		Conglomerate	grey	greenish	medium					0		
BWOSG001	BW	20/07/2009	outcrop		Conglomerate	grey	brownish	medium	vened				0		
BWOSG002	BW	20/07/2009	outcrop		Conglomerate	grey	brown	medium					0		
BWOSG003	BW	20/07/2009	outcrop		Quartz Wacke	grey	brownish	fine-medium	fractured				0		
BWOSG004	BW	20/07/2009	outcrop		Siltstone	grey	brown	fine	bedded				0		
BWOSG005	BW	20/07/2009	outcrop		Siltstone	grey	greyish	fine	bedded				0		
BWOSG006	BW	20/07/2009	float		Siltstone	grey	rusty	fine-medium	laminated				0		
BWOSG007	BW	21/07/2009	outcrop		Siltstone	grey	grey	fine	bedded				0		
BWOSG008	BW	21/07/2009	subcrop		Shale	grey	grey	fine	laminated				0		
BWOSG009	BW	21/07/2009	outcrop		Siltstone	grey	brown	fine-medium	bedded				0		
BWOSG010	BW	21/07/2009	outcrop		Quartz Wacke	grey	grey	medium-coarse	bedded				0		

Appendix 6.3 - Structure

Station Number	Structure Name	Quality	Azimuth	Dip / Plunge	Comments
AHOSG003	fold axis	MODERATE	142	13	
AHOSG003	compositional layering	MODERATE	115	30	
AHOSG006	bedding	GOOD	320	29	
BWOSG005	bedding	GOOD	333	14	
BWOSG005	cleavage	GOOD	334	26	
BWOSG007	bedding	GOOD	92	70	
BWOSG009	bedding	GOOD	310	42	
BWOSG010	bedding	GOOD	140	32	

Appendix VII – XRF

7.1 XRF Techniques

7.2 XRF Geochemical Results – Rocks

7.3 XRF Geochemical Results - Soils/Silts

Appendix 7.1 – XRF Techniques

Sample Preparation

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

XRF Analysis

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

Quality Control Quality Assurance

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

Appendix 7.2 - Rock Sample XRF Geochemical Results

Sample		Analysis		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	Cr	Ba	K	W	Hg	Tl	Sn
Number	Medium	Date	Class	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
AHOSR001	ROCK	16/10/2009	BULK	0	0	22.8	25	0	0	0	448	1.40885	0	32	0	41.4		0	212.3	232	0.21989	0	0	154.3	38.9
AHOSR002	ROCK	16/10/2009	BULK	0	0	0	0	0	0	0	0	0.14863	0	2672	0	0		36.56872	0	277	0	0	0	140.8	55.8
AHOSR003	ROCK	16/10/2009	BULK	0	40.06	0	27	0	0	0	147	2.17789	173.98	11	13.4	35.1		0	260.5	167	0.38085	0	0	108	31.3
AHOSR004	ROCK	16/10/2009	BULK	0	42.52	0	0	0	0	0	0	2.19548	0	31	0	22.7		0.023403	290.9	163	0.38201	0	0	99.94	30.6
AHOSR005	ROCK	16/10/2009	BULK	0	0	0	0	0	0	0	0	2.26136	4048.7	27	21.4	50.7		0	237.7	418	2.04193	0	0	143.9	41.7
AHOSR006	ROCK	16/10/2009	BULK	0	144.3	0	0	0	0	0	108	0.47551	0	8	14.1	32.4		0	377.5	210	0.06508	0	0	139.7	27.6
BWOSR001	ROCK	16/10/2009	BULK	0	128.8	54.8	63	0	0	0	2162	5.97972	0	549	0	45.9		9.982685	0	363	1.05627	0	0	147.9	38.8
BWOSR001	ROCK	16/10/2009	INDBULK	0	133.1	66.1	52	0	0	0	2284	7.62465	0	321	0	0	0	14.13805	172.2	0	1.54567	0			0
BWOSR002	ROCK	16/10/2009	BULK	0	0	78.2	121	0	0	0	198	5.16188	0	97	0	28.2		0.083472	67.66	425	1.65785	0	0	79.07	0
BWOSR002	ROCK	16/10/2009	INDBULK	20.2	0	95.1	128	0	0	0	0	6.7232	0	58	0	0	28.4	0.161644	201.1	203	2.7595	0			0
LJOSR001	ROCK	16/10/2009	BULK	0	0	15.2	47	0	0	0	359	1.64847	0	338	0	36.3		4.394654	125.1	223	0.82777	0	0	97.4	21.6
LJOSR002	ROCK	16/10/2009	BULK	0	0	21.1	46	0	0	0	560	1.35496	0	941	0	0		9.727925	90.77	288	1.25621	0	0	77.25	39.1
NTOSR001	ROCK	16/10/2009	BULK	0	46.37	0	45	0	0	0	180	2.92636	0	24	0	0		0.042175	168.7	188	1.56234	0	0	0	53.5

Appendix 7.3 - Silt XRF Geochemical Results

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
LJOSS001	SILT	07/01/2010	BULK	0	48.55	133	97	0	0	0	131	2.26494	86.3	209	0	0		0.22903	68.97	283	2.92032	0	0	0	0
LJOSS002	SILT	07/01/2010	BULK	0	53.33	49.4	107	0	0	0	415	2.93035	23.9	125	0	0		0.4061	0	340	2.20519	0	0	0	0
LJOSS003	SILT	07/01/2010	BULK	0	0	35.5	122	0	0	0	769	3.08308	24.3	113	0	0		0.44959	0	284	2.11792	0	0	0	0
LJOSS004	SILT	07/01/2010	BULK	0	0	45.1	116	0	0	0	593	3.19502	0	68	0	0		0.15048	46.5	433	2.32992	0	0	0	0
LJOSS005	SILT	07/01/2010	BULK	0	0	30.4	123	0	0	0	562	3.02731	0	135	0	0		0.49742	0	203	2.19498	0	0	0	0
LJOSS006	SILT	07/01/2010	BULK	0	0	46.2	203	0	0	0	598	2.95412	0	147	0	0		0.38441	59.96	322	2.36698	0	0	0	0
NTOSS003	SILT	07/01/2010	BULK	0	65.94	49.6	77	0	0	0	227	2.98838	94.1	256	0	0		0.13238	65.86	424	3.24478	0	0	0	0
NTOSS004	SILT	07/01/2010	BULK	0	0	65.9	189	0	0	0	1385	4.21494	37.1	121	0	0		0.36781	0	369	1.85398	0	0	62.83	0
NTOSS005	SILT	07/01/2010	BULK	0	0	59.3	141	0	0	0	502	2.43676	98.1	133	0	0		0.34523	60.33	163	2.71069	0	0	0	0

Appendix 7.3 - Soil XRF Geochemical Results

Sample		Analysis		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Sb	Bi	Ca	Cr	K	W	Hg	Sn
Number	Medium	Date	Class	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm
OSL001 00+00	DIRT	20/11/2009	BULK	9.98	58.85	46.07	84		0	0	398	2.99467	16.49	311			0.72707	0	1.81693	0	0	
OSL001 00+50W	DIRT	20/11/2009	BULK	0	0	25.9	60		0	0	356	2.19011	0	316			0.48842	0	2.09065	0	0	
OSL001 01+00W	DIRT	20/11/2009	BULK	0	0	55.03	121		0	0	251	2.33604	0	224			0.41263	47.35	1.90259	0	0	
OSL001 01+50W	DIRT	20/11/2009	BULK	0	0	117.42	160		0	0	531	3.74579	43.29	201			0.71357	51.41	2.10895	0	0	
OSL001 02+00W	DIRT	20/11/2009	BULK	0	0	65.22	88		0	0	152	2.76127	32.23	112			0.10386	0	2.04978	0	0	
OSL001 02+50W	DIRT	20/11/2009	BULK	0	0	20.04	74		0	0	200	1.76402	0	280			0.37346	50.71	1.90323	0	0	
OSL001 03+00W	DIRT	20/11/2009	BULK	0	0	0	62		0	0	272	2.25614	18.2	170			0.21056	0	1.28657	0	0	
OSL001 03+50W	DIRT	20/11/2009	BULK	0	0	30.64	69		0	0	228	2.56686	31.82	186			0.2259	0	2.1216	0	0	
OSL001 04+00W	DIRT	20/11/2009	BULK	0	0	41.32	66		0	0	152	1.79401	44.32	160			0.16222	0	2.17729	0	0	
OSL001 04+50W	DIRT	20/11/2009	BULK	0	0	18.97	64		0	0	175	1.88788	15.62	186			0.22772	0	1.97862	0	0	
OSL001 05+00W	DIRT	20/11/2009	BULK	0	0	28.98	59		0	0	167	1.8709	0	122			0.11258	0	2.0909	0	0	
OSL001 05+50W	DIRT	20/11/2009	BULK	0	0	158.76	99		0	0	252	2.45857	95.8	242			0.32512	0	2.12083	0	0	
OSL001 06+00W	DIRT	20/11/2009	BULK	0	0	16.5	56		0	0	173	1.29104	0	513			0.85494	0	1.62119	0	0	
OSL001 06+50W	DIRT	20/11/2009	BULK	0	0	20.22	54		0	0	0	1.25491	0	96			0.03566	43.55	2.49481	0	0	
OSL001 07+00W	DIRT	20/11/2009	BULK	0	0	32.27	79		0	0	0	2.29852	36.4	76			0	56.33	2.31246	0	0	
OSL001 07+50W	DIRT	20/11/2009	BULK	0	0	98.04	83		0	0	153	2.41719	126.64	187			0.23451	0	2.21688	0	0	
OSL001 08+00W	DIRT	20/11/2009	BULK	0	0	69.93	151		0	0	166	3.39436	64.66	145			0.19424	0	2.09058	0	0	
OSL001 08+50W	DIRT	20/11/2009	BULK	0	0	30.02	73		0	0	522	3.13275	21.2	357			4.33449	59.06	1.81232	0	0	
OSL001 09+00W	DIRT	20/11/2009	BULK	0	0	76.37	129		0	0	163	2.56692	41.82	326			0.43342	70.1	2.40312	0	0	
OSL001 09+50W	DIRT	20/11/2009	BULK	0	0	22.63	72		0	0	219	1.96584	20.57	322			0.42331	0	1.71944	0	0	
OSL001 10+00W	DIRT	20/11/2009	BULK	0	0	31.8	68		0	0	1697	2.47531	19.68	349			0.51312	0	1.7474	0	0	
OSL001 10+50W	DIRT	20/11/2009	BULK	0	0	18.87	52		0	0	277	3.70431	77.9	165			0.15897	0	1.79066	0	0	
OSL001 11+00W	DIRT	20/11/2009	BULK	0	0	0	63		0	0	232	1.2012	33.07	441			0.72647	0	1.67164	0	0	
OSL001 11+50W	DIRT	20/11/2009	BULK	0	0	43.97	93		0	0	806	4.12902	210.73	89			0	55.57	2.11118	0	0	
OSL001 12+00W	DIRT	20/11/2009	BULK	0	0	23.9	73		0	0	336	3.07214	0	187			0.2177	42.37	1.63016	0	0	
OSL001 12+50W	DIRT	20/11/2009	BULK	0	0	15.03	48		0	0	261	1.2097	0	537			0.85965	0	1.58149	0	0	
OSL001 13+00W	DIRT	20/11/2009	BULK	0	0	27.31	58		0	0	185	1.41023	0	245			0.34442	0	1.70582	0	0	
OSL001 13+50W	DIRT	20/11/2009	BULK	0	0	54.39	84		0	0	717	4.24076	74.36	147			0.11041	0	2.10847	0	0	
OSL001 14+00W	DIRT	20/11/2009	BULK	0	0	0	58		0	0	183	1.78159	34.4	322			0.43131	0	2.1394	0	0	
OSL001 14+50W	DIRT	20/11/2009	BULK	0	0	14.95	73		0	0	339	1.44989	11.97	407			0.66772	0	2.0164	0	0	
OSL001 15+00W	DIRT	20/11/2009	BULK	0	42.39	30.49	121		0	0	419	3.66146	29.9	75			0.06316	78.83	3.10636	0	0	
OSL001 15+50W	DIRT	20/11/2009	BULK	0	0	16.02	68		0	0	229	1.04552	0	503			0.82771	0	1.56839	0	0	
OSL001 16+00W	DIRT	20/11/2009	BULK	0	0	0	52		0	0	317	1.24614	0	564			0.87146	0	1.59199	0	0	