YMIP Technical Report

on the

Anvil Batholith Project

Whiteshorse Mining District

Mapsheets 105K12

Center of Work:

Latitude 62°35'45" N, Longitude 133°51'55" W

Prepared for:

Copper Canyon Resources Ltd.

Suite 200, 16-11th Ave S.

Cranbrook BC, V1C 2P1

By

Aaron Higgs, B.Sc. (Geol)

Bootleg Exploration Inc.

Date

March 16, 2010

Summary

The Anvil Batholith target was identified using a combination of RGS silt geochemistry, regional geology, mineral occurrences and accounts of historical work. The project area is located just 20 km north of the Faro Deposit and 50 km north of the town of Faro. The target is located in the Whitehorse Mining District

Five days were spent on the Anvil target, including the mob in and out. Work was completed between July 14th, and July 17th, 2009. The camp was located at 557950E, 6942100N. Helicopter charter was with Trans North out of Faro, with the staging area just off the Faro mine tailings pond.

Work concentrated on the highest anomalous drainage, which was previously mapped as volcanic units of the Marmot Volcanics. Work included silt sampling creeks that have not been previously sampled as well as getting a more detailed silt sample coverage on the long anomalous creek to try to narrow down the source of the anomaly. Other work included prospecting and mapping both the western and eastern anomalous creeks. Work focused on identifying potential sulphide mineralization found in quartz veining, shear zones and within the units as massive sulphides. A total of 18 rocks, 21 silt samples and one soil sample were taken during the exploration program.

Geological mapping in the project area revealed discrepancies in the locations of the lithologic contacts in the region. Sedimentary units were clearly identified within the mapped volcanic unit and a high level of horfelsing and iron staining made identifying the host rock lithology of the rocks on the east side of the valley difficult. The mineralization was commonly hosted in gulleys, where the rock exposure was greater but many of which were covered in snow. Copper staining and chalcopyrite mineralization was found over a widespread area, ~300m across the slope. The volcanic unit on the other side of the valley contained some shear zones, some of which hosted quartz veining within carbonate alteration with pyrrhotite min on the envelopes.

The rock samples taken returned anomalous values for Cu, consistently over 0.25% Cu with the highest value being 0.63% (BWANR003), this sample located in the volcanic unit. This sample however, only returned 0.03 g/t Au and 3.2 g.t Ag. The sample LJANR002, exhibiting some of the strongest hornfelsing in the siltstone unit returned 0.25 g/t Au and 2.3 g/t Ag along with 0.22% Cu and 0.24% As.

There are geological features including structures, contacts, alteration and mineralization control that would need further work to be fully understood. Four claims were staked over the ground that contained the massive sulphide occurrences. Although no samples returned economic values for Au, Ag or Cu, mineralization was located during the time on the property and it contained anomalous values for Cu and Ag in particular. The Au values found are quite low but present. It can be determined that this mineralization is a contributing factor to the anomalous Au values found in the silt samples draining from this basin but certainly isn't the only source for the higher Au silt values lower down the valley that is draining from a much larger area.

The total YMIP applicable expenditures on this project were $27,359.86.

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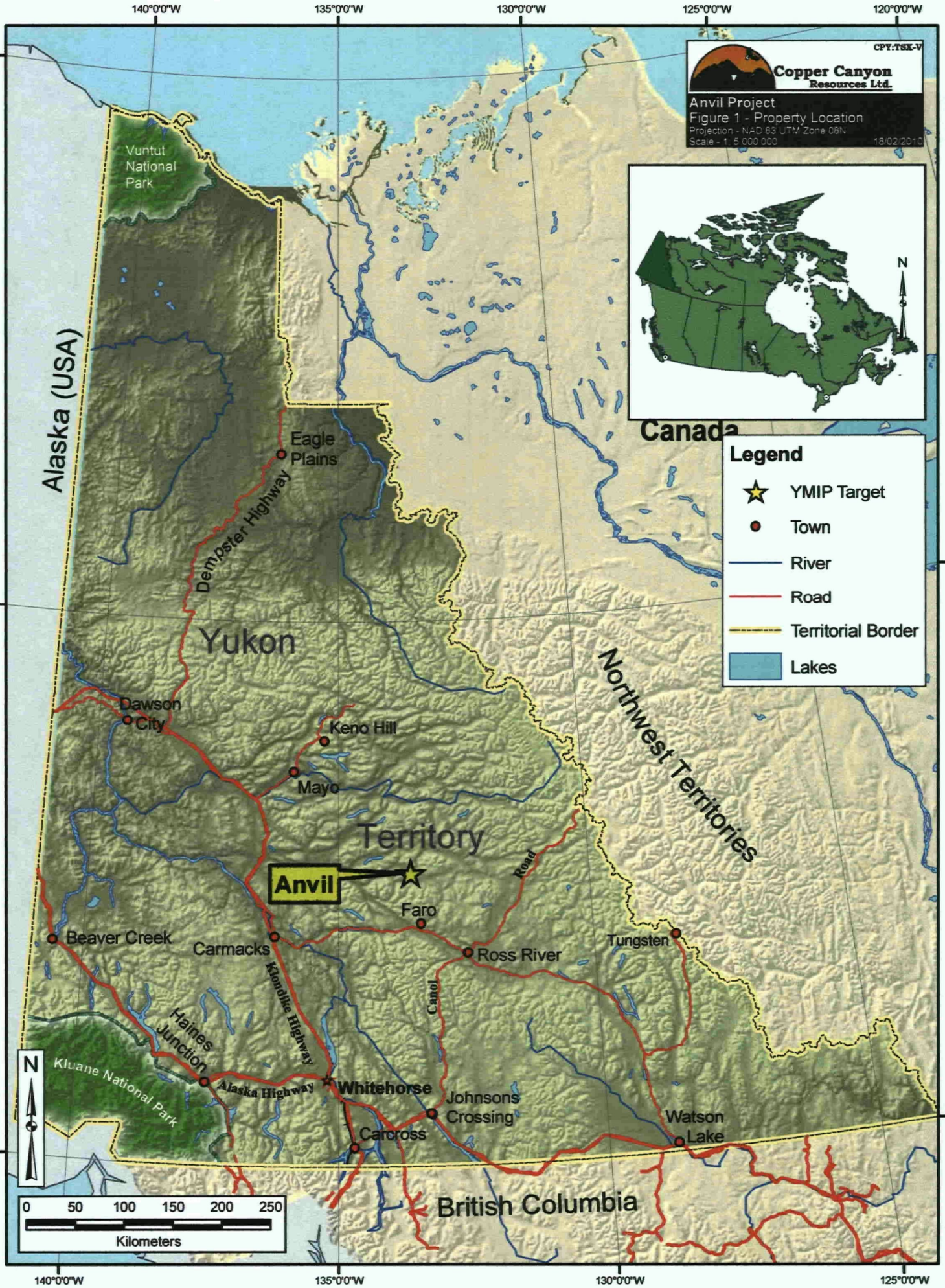
INTRODUCTION

Location and Access

The Anvil Batholith project area is located just 20 km north of the Faro Deposit and 50 km north of the town of Faro. The target is located in the Whitehorse Mining District, centered around the NTS sheets 105K11 and 105K12 and the lat/long point of 62°39'N, 133°42'W.

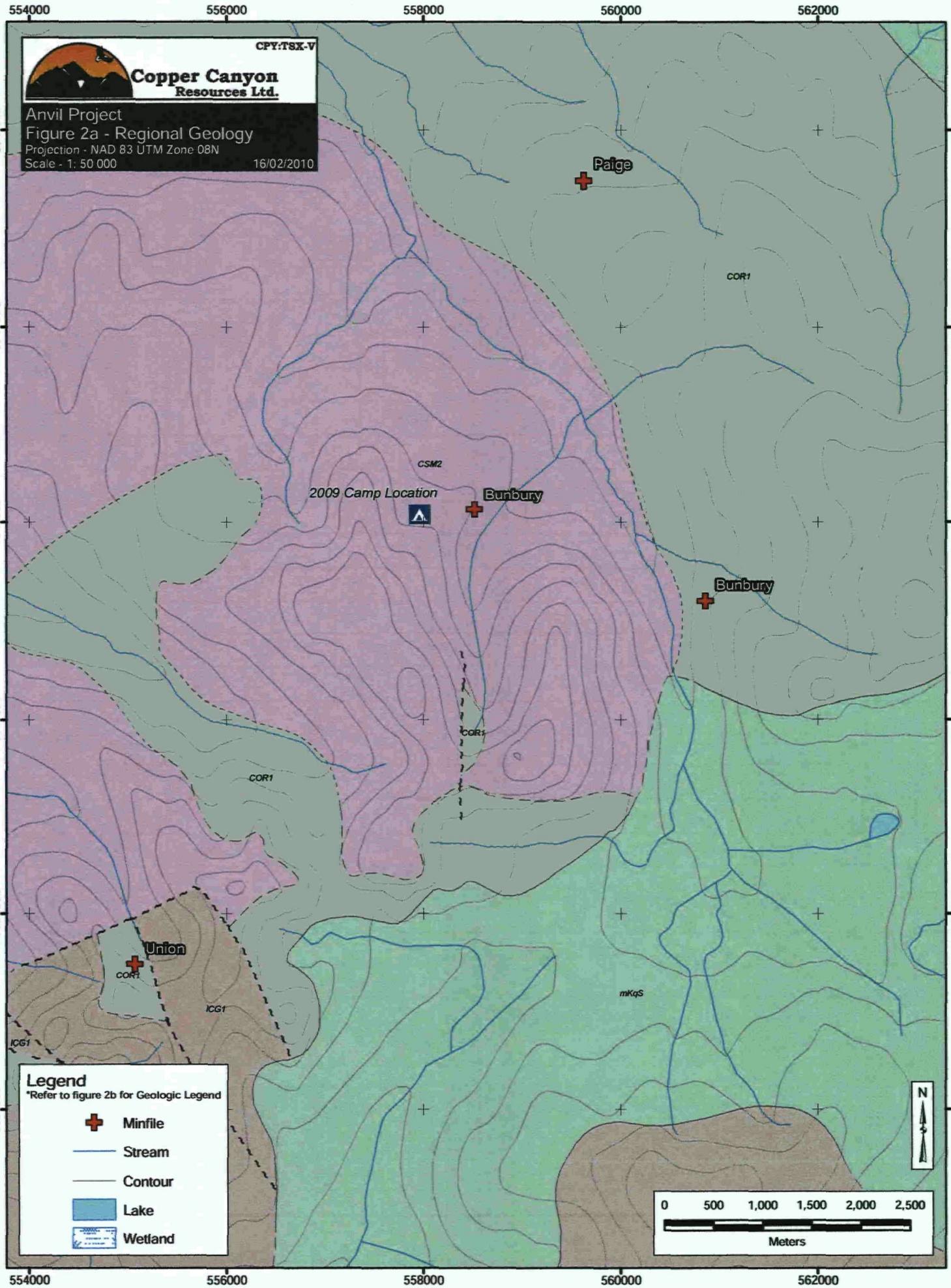
The project area can be accessed by helicopter out of Faro, which will be accessed from Whitehorse by the Klondike and Campbell highways. The crew and fly camp gear can be flown in to the camp location from Faro.


CPY:TSX-V
Copper Canyon Resources Ltd.
Anvil Project
Figure 1 - Property Location
Projection - NAD 83 UTM Zone 08N
Scale - 1: 5 000 000
18/02/2010
140°0'0"W
135°0'0"W
130°0'0"W
125°0'0"W
120°0'0"W
70°0'0"N
65°0'0"N
60°0'0"N
Vuntut National Park
Alaska (USA)
Eagle Plains
Dempster Highway
Yukon
Canada
Northwest Territories
Territory
Dawson City
Keno Hill
Mayo
Anvil
Faro
Road
Beaver Creek
Carmacks
Klondike Highway
Ross River
Tungsten
Canol
Haines Junction
Kluane National Park
Alaska Highway
Whitehorse
Johnsons Crossing
Watson Lake
Carcross
British Columbia
Legend
YMIP Target
Town
River
Road
Territorial Border
Lakes
N
0 50 100 150 200 250
Kilometers

GEOLOGY

Regional Geology Description

The Anvil Batholith dominates the centre of this target. It is a mid-cretaceous intrusion described as quartz monzonite to granodiorite in composition. This pluton intrudes mostly calcareous units of the Rabbitkettle formation, consisting of silty limestone and dolostone. In the western part of the target, part of the intrusion is in contact with volcanic units of the Marmot formation, consisting of amygdaloidal basaltic flows and breccias. In the northern part of the part of the target, the Rabbitkettle carbonate units are being thrust upon younger Mount Christie shales and other basinal sediments.


CPY:TSX-V
Copper Canyon Resources Ltd.
Anvil Project
Figure 2a - Regional Geology
Projection - NAD 83 UTM Zone 08N
Scale - 1: 50 000
16/02/2010
554000
556000
558000
560000
562000
6946000
6944000
6942000
6940000
6938000
6936000
Paige
COR1
CSM2
2009 Camp Location
Bunbury
Bunbury
COR1
COR1
Union
COR1
ICG1
ICG1
mKqS
Legend
*Refer to figure 2b for Geologic Legend
Minfile
Stream
Contour
Lake
Wetland
N
0
500
1,000
1,500
2,000
2,500
Meters

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

Yukon Geology

Unit

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.*

CSM2 — *MARMOT : amygdaloidal basaltic flows and breccias; mostly subaqueous; thick, flow-banded rhyolite and felsite, includes breccia and tuff.*

ICG1 — *GULL LAKE : shale, siltstone and mudstone, locally bioturbated, with minor quartz sandstone; rare green-grey chert; local basal limestone and limestone conglomerate; phyllite to quartz-muscovite-biotite schist (garnet sillimanite staurolite andalusite).*

mKqS — *SELWYN SUITE : equigranular to porphyritic (K-feldspar) biotite hornblende muscovite granite, quartz monzonite and granodiorite; porphyritic biotite hornblende granite with large smoky grey quartz phenocrysts and locally K-feldspar phenocrysts.*

Yukon Faults

Movement Undefined

~ ~ ~ ~ Defined

~ ~ ~ Approximate

Yukon Contacts

Type, Control

------ Assumed

——— Observed

– – – Inferred

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Copper Canyon Resources Ltd.

Anvil Property

Figure 2b - Geology Legend

Projection - NAD 83 UTM Zone 08N

Scale - 1: 50 000

18/02/2010

EXPLORATION PROGRAM

Introduction

The Anvil target was located using the regional territorial silt dataset, the yukon bedrock geology as well as any other available information (Minfile occurences and Assessment reports from previous work in the area). Geochemical statistics were run on the silt samples separating out subpopulations of samples according to geochemical province as well as regional target area (Tintina, Tombstone, Carlin Type (Selwyn Basin), Wernecke) in order to produce stronger and more representative anomalous signatures according to background levels for that target area/geochemical province. Targets were then identified using these geochemical statistics and the model for IRGS/RIRGS deposit types found in the Yukon. This is described as Intrusion-hosted mineralization consisting of anomalous Au-Bi-Te+/-W, Mo, As,Cu, proximal signatures consisting of anomalous Au-As+/-W, Sn,Sb and distal signatures consisting of anomalous Au-As-Sb-Hg+/- Ag, Pb, Zn (Hart, GSC Mineral Deposits of Canada; Hart et al., Geology, Exploration and Discovery in the Tintina Gold Province, 2002). Not all important lode gold deposit type elements were assayed for at the time of the silt samples while others had very high detection limits and thus were not as useful in the geochemical statistics. Therefore, we identified proximal mineralization anomalies consisting of a combination of overlapping Au, As, W, Cu, Sn, Mo anomalous areas and distal mineralization anomalies consisting of a combination of overlapping Ag, Pb, Zn, Sb, Hg (where available) anomalous areas. Targets were delineated this way and areas with coincident proximal and distal anomalous signatures were identified and advanced to the next stage of target delineation. These targets were then investigated further using the regional geology, any mineral showings and/or previous work in the area and its location in respect to infrastructure and then prioritized accordingly.

This target contains coincident distal Ag-Pb-Zn-Sb-Hg anomalies along with proximal elements Au-As-Cu-Sn. Some of the anomalous samples returned values within the 99th percentile, including Au, As, Ag, Mo, Hg, Sb, Zn. This is clearly a geochemically highly anomalous target with the potential to host lode gold mineralization. There has been some historic work in the area, mostly related to the Faro SEDEX deposit just to the south of the target area. Previous exploration in the area most likely was focused on the SEDEX target type and so the gold potential could have been slightly overlooked. The target contains numerous historic mineral occurences, many related to SEDEX mineralization but many others that have an unknown source or type. The presence of the Anvil Batholith within the target could represent a substantial heat and fluid source that could produce an abundance of mineralization.

Program Description

Five days were spent on the Anvil target, including the mob in and out. Work was completed between July 14th, and July 17th, 2009. The camp was located at 557950E, 6942100N. Helicopter charter was with Trans North out of Faro, with the staging area just off the Faro mine tailings pond.

Work concentrated on the highest anomalous drainage, which was mapped as volcanic units of the Marmot Volcanics. Work included silt sampling creeks that have not been previously sampled as well as getting a more detailed silt sample coverage on the long anomalous creek to try to narrow down the

source. Other work included prospecting and mapping both the western and eastern anomalous creeks. Work focused on identifying potential sulphide mineralization found in quartz veining, shear zones and within the units as massive sulphide. A total of 18 rocks and 21 silt samples were taken during the exploration program. These samples were analyzed using the Niton XRF analyzer as well as some sent to Stewart Group analytical laboratories in Kamloops for analysis using BMS-11 with BAUFG-11 for silts and soils and BICP-11 as well as BAUFG-32 and BAGFG-40 for the rock samples.

The total YMIP applicable expenditures on this project were $27,359.86.

Exploration Results

Geological Mapping

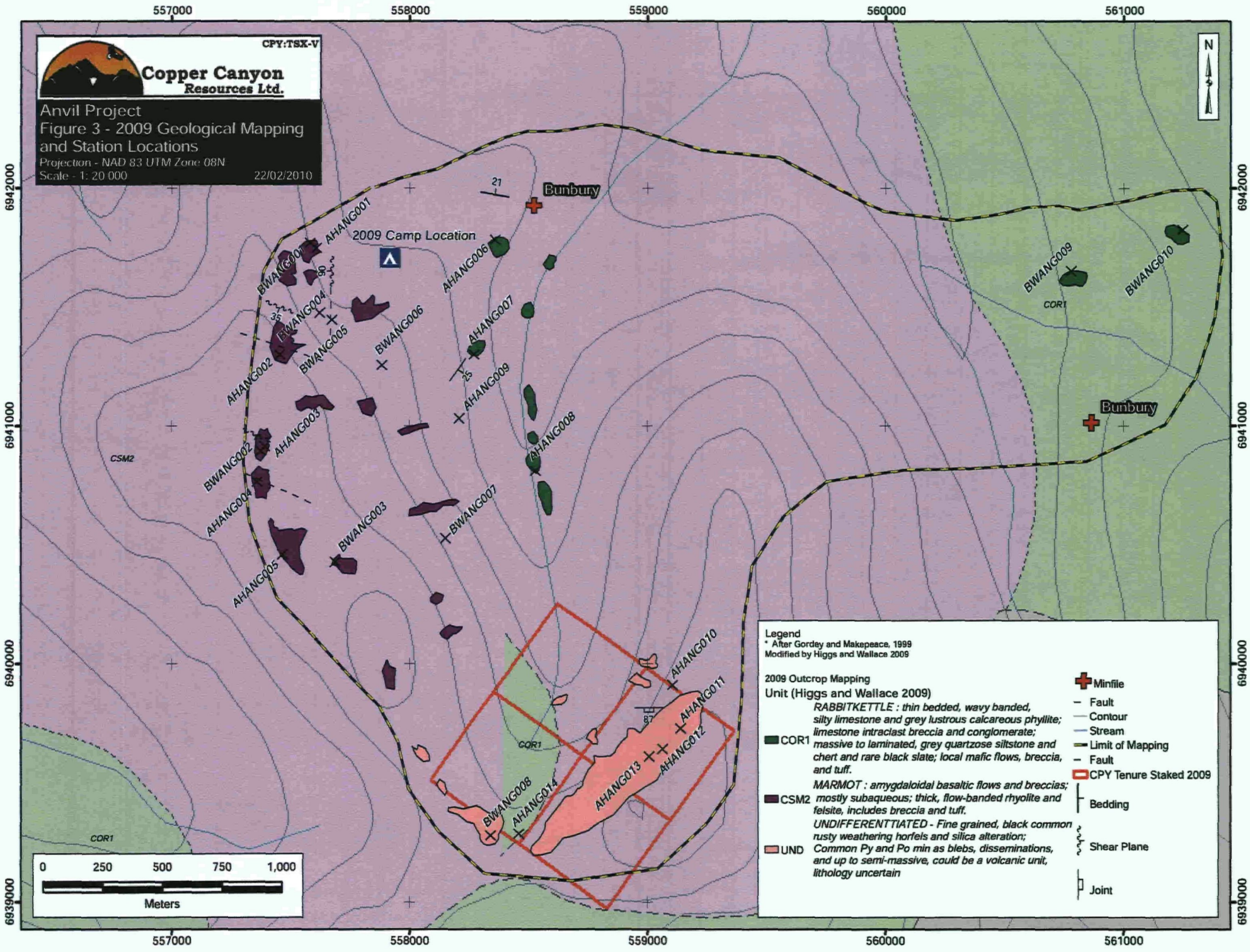
From prospecting and mapping, it was determined that the current geological contacts were not acccurate. Rocks mapped as the Marmot Volcanics are more likely to be comprised of quartz sandstone of the Rabbitkettle Formation. There are also phyllite rocks with clear bedding structures found in the mapped volcanics. There is a fault mapped down the long anomalous creek just to the east of camp which is most likely the contact between the two units. The sedimentary units are highly silicified, with alternating silicification bands, representing an alteration gradient or beds of slightly different sedimentary conposition. This texture is found all the way down the creek. Within this rock type are quartz-calcite veins with actinolite and pyrrhotite mineralization. The black fine grained rock (which we are mapping as a sedimentary unit), contains common po-cpy-py mineralization in highly hornsfelsed, oxidized pods, with mineralization ranging from disseminated to massive. Quartz-calcite veining in float also contained sphalerite mineralization. The mineralization was commonly hosted in gulleys, where the rock exposure was greater but many of which were covered in snow. Copper staining and chalcopyrite mineralization was found over a widespread area, ~300m across the slope. The volcanic unit on the other side of the valley contained some shear zones, some of which hosted quartz veining within carbonate alteration with pyrrhotite mineralization on the envelopes. The volcanics were silicified, and contained both quartz blebs and bull quartz veining. Quartz veining was also present in the phyllite unit, but consisted of bull quartz with no sulphides present. The eastern anomalous creek, across the valley from camp was investigated, but outcrop was near nonexsitent. The rocks found, however, were similar to the ones hosting the massive sulphides and included hornsfelsing and iron staining.

Geochemistry

The rock samples taken returned anomalous values for Cu, consistently over 0.25% Cu with the highest value being 0.63% (BWANR003), found in the volcanic unit. This sample however, only returned 0.03 g/t Au and 3.2 g.t Ag. The sample LJANR002, exhibiting some of the strongest hornfelsing in the siltstone unit returned 0.25 g/t Au and 2.3 g/t Ag along with 0.22% Cu and 0.24% As.

We did take silt samples along the investigated creek and a few other creeks that were reachable from camp. Cu values strengthened proximal to the hornfelsed area with the cpy mineralization with values reaching up to 300 ppm. Historic values in the creek included 23 ppb Au value from RGS at the base of the investigated stream and 111 ppb found in a RGS sample at the very end of the valley.

Figure 3 – Geological Mapping and Station Location Map


CPY:TSX-V
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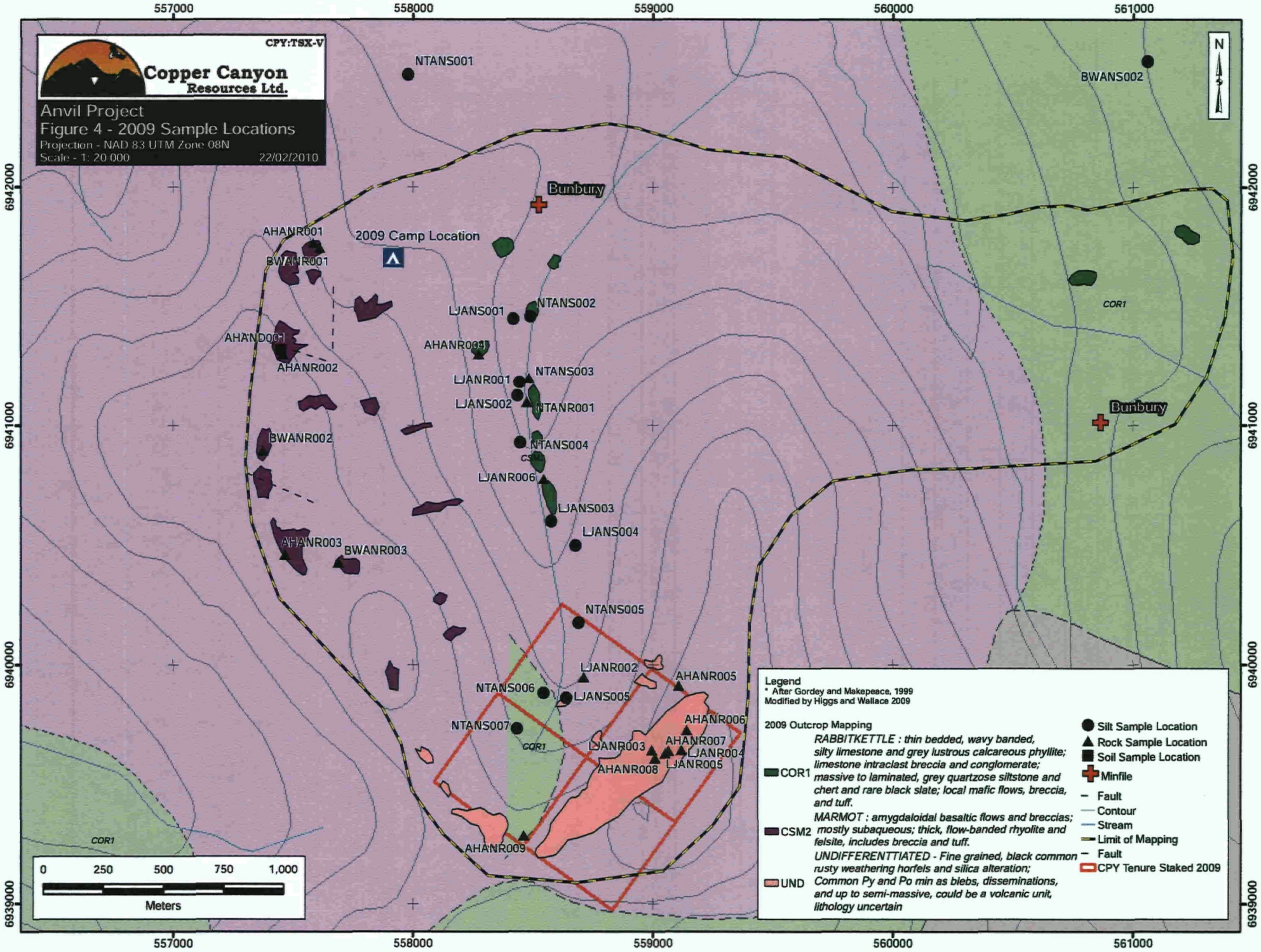
Anvil Project
Figure 3 - 2009 Geological Mapping and Station Locations
Projection - NAD 83 UTM Zone 08N
Scale - 1: 20 000
22/02/2010
N
557000
558000
559000
560000
561000
6942000
6941000
6940000
6939000
Bunbury
2009 Camp Location
AHANG001
AHANG002
AHANG003
AHANG004
AHANG005
AHANG006
AHANG007
AHANG008
AHANG009
AHANG010
AHANG011
AHANG012
AHANG013
AHANG014
BWANG001
BWANG002
BWANG003
BWANG004
BWANG005
BWANG006
BWANG007
BWANG008
BWANG009
BWANG010
CSM2
COR1
0 250 500 750 1,000
Meters
Legend
* After Gordey and Makepeace, 1999
Modified by Higgs and Wallace 2009
2009 Outcrop Mapping
Unit (Higgs and Wallace 2009)
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.
CSM2 MARMOT : amygdaloidal basaltic flows and breccias; mostly subaqueous; thick, flow-banded rhyolite and felsite, includes breccia and tuff.
UND UNDIFFERENTTIATED - Fine grained, black common rusty weathering horfels and silica alteration; Common Py and Po min as blebs, disseminations, and up to semi-massive, could be a volcanic unit, lithology uncertain
Minfile
Fault
Contour
Stream
Limit of Mapping
Fault
CPY Tenure Staked 2009
Bedding
Shear Plane
Joint


CPY:TSX-V
Copper Canyon Resources Ltd.
Anvil Project
Figure 4 - 2009 Sample Locations
Projection - NAD 83 UTM Zone 08N
Scale - 1: 20 000
22/02/2010
557000
558000
559000
560000
561000
6942000
6941000
6940000
6939000
N
NTANS001
BWANS002
Bunbury
2009 Camp Location
AHANR001
BWANR001
LJANS001
NTANS002
AHANR004
AHANR002
LJANR001
NTANS003
LJANS002
NTANR001
BWANR002
NTANS004
LJANR006
LJANS003
LJANS004
AHANR003
BWANR003
NTANS005
LJANR002
AHANR005
NTANS006
LJANS005
AHANR006
NTANS007
AHANR007
LJANR003
LJANR004
LJANR005
AHANR008
AHANR009
COR1
CSM2
0
250
500
750
1,000
Meters
Legend
* After Gordey and Makepeace, 1999
Modified by Higgs and Wallace 2009
2009 Outcrop Mapping
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.
MARMOT : amygdaloidal basaltic flows and breccias; mostly subaqueous; thick, flow-banded rhyolite and felsite, includes breccia and tuff.
UNDIFFERENTTIATED - Fine grained, black common rusty weathering horfels and silica alteration; Common Py and Po min as blebs, disseminations, and up to semi-massive, could be a volcanic unit, lithology uncertain
Silt Sample Location
Rock Sample Location
Soil Sample Location
Minfile
Fault
Contour
Stream
Limit of Mapping
Fault
CPY Tenure Staked 2009

CPY:TSX-V

Copper Canyon Resources Ltd.

Anvil Project
Figure 5a - Sample Geochemistry
XRF - Cu ppm, As ppm
Projection - NAD 83 UTM Zone 08N
Scale - 1: 20 000 16/02/2010

556000 558000 560000 562000

6942000

N

0, 22
41, 16
0, 0
48, 20
Bunbury
Bunbury
COR1
COR1
113, 0
2039, 0
60, 0
74, 19
0, 0
CSM2
0, 121
70, 0
105, 24
64, 0
235, 0
107, 14
35, 0
162, 0
0, 0
5282, 0
114, 35
117, 48
86, 20
2247, 2444
499, 73
135, 26
301, 89
149, 0
127, 76
COR1
2296, 0
343, 0
177, 18
1969, 0
2838, 0
1019, 0
56, 0
45, 24

0 500 1,000 1,500 2,000
Meters

Legend

2009 Outcrop Mapping
Unit (Higgs and Wallace 2009)

- 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.*
- CSM2 — *MARMOT : amygdaloidal basaltic flows and breccias; mostly subaqueous; thick, flow-banded rhyolite and felsite, includes breccia and tuff.*
- UND — *UNDIFFERENTTIATED - Fine grained, black common rusty weathering horfels and silica alteration; Common Py and Po min as blebs, disseminations, and up to semi-massive, could be a volcanic unit, lithology uncertain*
- Fault (Inferred)

- Silt Sample (Cu ppm, As ppm)
- Rock Sample (Cu ppm, As ppm)
- Soil Sample (Cu ppm, As ppm)
- Minfile
- Stream
- Contour
- Lake
- CPY Tenure Staked 2009

*Regional Geology Legend See Figure 2b

CPY:TSX-V

Copper Canyon Resources Ltd.

Anvil Project
Figure 5b - Sample Geochemistry
Lab - Au ppb, Ag ppm
Projection - NAD 83 UTM Zone 08N
Scale - 1: 20 000 16/02/2010

556000 558000 560000 562000

6942000

N

COR1

CSM2

UND

Bunbury

7, 0.42

5, 1
30, 1
5, 1
5, 1
5, 1
50, 3
3, 1
3, 1
3, 0
20, 0
250, 2
40, 1
10, 1
3, 1
90, 2
3, 1
15, 1
30, 2
15, 1

0 500 1,000 1,500 2,000
Meters

Legend

2009 Outcrop Mapping
Unit (Higgs and Wallace 2009)

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.*

CSM2 — *MARMOT : amygdaloidal basaltic flows and breccias; mostly subaqueous; thick, flow-banded rhyolite and felsite, includes breccia and tuff.*

UND — *UNDIFFERENTTIATED - Fine grained, black common rusty weathering horfels and silica alteration; Common Py and Po min as blebs, disseminations, and up to semi-massive, could be a volcanic unit, lithology uncertain*

Fault (Inferred)

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
Minfile
Stream
Contour
Lake
CPY Tenure Staked 2009

*Regional Geology Legend See Figure 2b

6940000

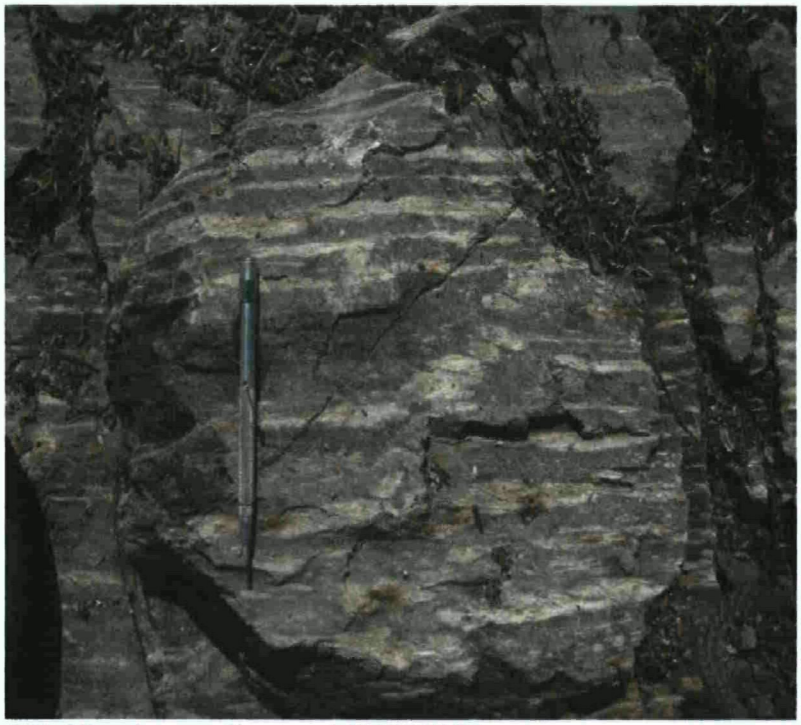
Pictures

Camp Location

Looking South up the anomalous drainage investigated

Looking SE at the rusty sediments with the massive sulphides

Volcanic Pillows



Silicification gradient at AHANG009

Photo of hornfelsed iron stained rock hosting the copper values. Sample AHANR008.

Conclusions

There are geological features including structures, contacts, alteration and mineralization control that would need further work to be fully understood. Four claims were staked over the ground that contained the massive sulphide occurrences. Although no samples returned economic values for Au, Ag or Cu, mineralization was located during the time on the property and it contained anomalous values for Cu and Ag in particular. The Au values found are quite low but present. It can be determined that this mineralization is a contributing factor to the anomalous Au values found in the silt samples draining from this basin but certainly isn't the only source for the higher Au silt values lower down the valley that is draining from a much larger area.

Recommendations

We were unable to determine if the source of the heat for the hornfelsing is itself gold bearing or just from the close proximity to the Anvil Batholith. The hornfelsed unit does not host economic Au values and therefore no more work is recommended in the investigated area. The investigated area is however only a part of the larger target area identified by the regional targeting and thus a larger scale silt sampling program of the creeks within the Anvil Batholith target would be recommeded to test for anomalous drainages. Once this has been completed follow up work would consist of mapping and prospecting, with possible soil geochemical sampling to locate the source of any anomalous drainages.

Future Plans

At this time, Eagle Plains Resources does not have any future exploration plans on this target.

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 Anvil Batholith Project."

Dated at Cranbrook, British Columbia, Canada this16th day of March, 2010.

Respectfully submitted

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

Appendix II – Statement of Expenditures

Focused Regional Program: Anvil Batholith Project (YMIP# 09-018)		
2009 Expenditures		
Project Dates:	July 12-17, 2009 (Total of 5.5 days)	
1	*no daily living allowance , accept actual expenses instead*	
2	**Travel**	
	Truck Rental	$550.00
	Truck (1337 km @ $ 0.30 /km)	$401.10
	Helicopter (including fuel)	$3,724.00
3	**Analyses / Assay Costs to date**	$643.55
	Other Expenses (groceries, fuel for truck, field consumables)	$826.85
	15% Handling fees on disbursements	$789.36
4	**Equipment Rentals / Supplies**	
	Niton XRF	$2,062.50
	Field supplies for crew, GPS, pack, vests, first aid, palm, hammer (5)	$962.50
	Hand Held Radios (5)	$275.00
	Computer (2)	$110.00
	Printer	$55.00
	Sat phone (2)	$165.00
	5-ton encolsed trailer	$550.00
	Chain Saw	$55.00
	Small Gas Generator	$247.50
	Large Gas Generator	$330.00
	Camp Rental	$825.00
	Shot Guns (2)	$110.00
	Digital Cameras (2)	$110.00
	Satellite Internet	$55.00
13	**Wages for field work**	
	Aaron Higgs, Project Geologist	$2,750.00
	Bronwyn Wallace, Senior Geologist	$2,475.00
	Glen Hendrickson / Brad Robinson (Legacy GIS Solutions), GIS Technician	$2,700.00
	Nathan Taylor, Geological Technician	$2,062.50
	Lewis Jones, Geological Technician	$1,925.00
	Report Preparation, data analysis and compilation	
	Aaron Higgs, Project Geologist	$1,250.00
	Glen Hendrickson, GIS	$1,350.00
TOTAL EXPENSES		$27,359 86

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 analytis.

3.2 Analytical Procedures

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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: $HN0_3$: H_20) 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

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*
AHANR001	AH	14/07/2009	557581 1	6941968 7				Andesite		greenish	brownish	fine-medium	pillow breccia					0			fracture and vein qtz with py +/- sph (2%)
AHANR002	AH	14/07/2009	557453 75	6941499 5				Andesite		greenish	beige	fine-medium	laminated					0			taken of qtz material
AHANR003	AH	14/07/2009	557483 43	6940659 5				Andesite		greenish	brown	fine-medium	aphanitic					0			
AHANR004	AH	15/07/2009	558269 75	6941500 6				Wacke		black	grey	fine	sheared					0			
AHANR005	AH	16/07/2009	559104 03	6940111 7				Wacke		grey	rusty	fine						0			
AHANR006	AH	16/07/2009	559137 76	6939925 8				Wacke		black	rusty	fine						0			
AHANR007	AH	16/07/2009	559082 49	6939839 6				Wacke		black	rusty	fine						0			
AHANR008	AH	16/07/2009	559005 76	6939807 9				Unknown		black	rusty	fine						0			
AHANR009	AH	16/07/2009	558457 03	6939485 9				Unknown		bluish	rusty	fine						0			
BWANR001	BW	14/07/2009	557608	6941946				Andesite		green	green	fine	pillow breccia					0			
BWANR002	BW	14/07/2009	557373	6941098				Andesite		brownish	brownish	medium	brecciated					0			
BWANR003	BW	14/07/2009	557685	6940628				Andesite		green	green	fine	amygdaloidal					0			
LJANR001	LJ	14/07/2009	558480	6941395	0					green	greenish	fine			pyrrhotite	actinalite	VEINED	1		0	quartz and calcite veining with actinalite, pyrrhotite and pyrite Hosted in cooked argilite beds that are maped as volcanics
LJANR002	LJ	14/07/2009	558709	6940147	0			Massive Sulphide		yellowish	rusty	fine-medium	massive		pyrrhotite	chalcopyrite	MASSIVE	69		0	massive pyrrhotite in float
LJANR003	LJ	15/07/2009	558993	6939842	0			Massive Sulphide		rusty	rusty	fine-medium	massive		pyrrhotite	chalcopyrite	SEMIMASSIVE	29		0	similar to LJANR002, massive pyrrhotite, but more weathered and less silicified
LJANR004	LJ	15/07/2009	559117	6939842	0			Quartz Sandstone		rusty	bluish	fine			pyrrhotite		BLEBBY	1		0	
LJANR005	LJ	16/07/2009	559048	6939829			SELECT	Massive Sulphide	SELECT	yellowish	rusty	fine-medium	massive	SELECT	pyrrhotite	chalcopyrite	MASSIVE	69	SELECT		
LJANR006	LJ	16/07/2009	558542	6940972			SELECT	Unknown	SELECT	bluish	bluish	fine	veined	SELECT	pyrrhotite	SELECT	VEINED	0 5	SELECT		

Appendix 4.2 - Silt Sample Locations and Descriptions

Sample Number	*Sampler*	*Date (m/d/y)*	*UTM - East*	*UTM - North*	*Turbitiy*	*Depth (cm)*	*Size (1-5)*	*Quality (1-5)*
BWANS001	BW	16/07/2009	561273	6942406	VERY LOW	5	3	3
BWANS002	BW	16/07/2009	561056	6942728	LOW	5	4	4
LJANS001	LJ	14/07/2009	558416	6941650	LOW	15	3	3
LJANS002	LJ	14/07/2009	558432	6941324	MED	15	4	3
LJANS003	LJ	14/07/2009	558573	6940795	MED	15	4	2
LJANS004	LJ	14/07/2009	558674	6940699	LOW	15	4	3
LJANS005	LJ	14/07/2009	558635	6940063	VERY LOW	5	4	4
LJANS006	LJ	14/07/2009	558572	6938810	VERY LOW	25	5	4
NTANS001	NT	14/07/2009	557975	6942674	VERY LOW	5	4	4
NTANS002	NT	14/07/2009	558486	6941661	HIGH	35	3	3
NTANS003	NT	14/07/2009	558441	6941380	HIGH	35	4	3
NTANS004	NT	14/07/2009	558444	6941131	MED	25	4	4
NTANS005	NT	14/07/2009	558688	6940372	LOW	15	4	4
NTANS006	NT	14/07/2009	558540	6940083	MED	25	4	3
NTANS007	NT	14/07/2009	558430	6939933	VERY LOW	15	4	5
NTANS008	NT	14/07/2009	559068	6938797	MED	35	4	4
NTANS009	NT	16/07/2009	560483	6941788	HIGH	35	2	2
NTANS010	NT	16/07/2009	560811	6941843	HIGH	35	2	3
NTANS011	NT	16/07/2009	561027	6941831	HIGH	45	4	4
NTANS012	NT	16/07/2009	560239	6943564	MED	35	5	5
NTANS013	NT	16/07/2009	559745	6943203	MED	35	2	1

Appendic V – Analytical Certificates

5.1 Rock Samples
5.2 Soil and Silt Samples

5.1 Rock Samples

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10041 Dallas Drive
KAMLOOPS, B.C.
V2C 6T4

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Fax : 250-573-4557

ICP CERTIFICATE OF ANALYSIS AK 2010-0016

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

No. of samples received: 8
Sample Type: Rock
Project: AN
Shipment #: AN09-002
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	8104-6	0.7	4.06	85	60	<5	2.74	2	25	42	540	4.95	<10	0.39	168	<1	0.37	24	1370	20	<5	<20	160	0.18	<10	62	<10	5	22
2	8104-9	1.7	0.18	<5	<5	<5	0.33	5	137	15	2234	>10	10	0.09	30	<1	0.05	55	1190	8	5	<20	7	0 08	<10	29	<10	2	20
3	8104-10	0 8	2.85	<5	30	<5	1.82	4	144	81	1152	>10	<10	0.55	199	7	0.29	174	660	16	<5	<20	78	0.16	<10	73	<10	4	35
4	8104-11	0.6	0.83	<5	90	<5	5 58	1	26	93	2290	1.62	<10	0.28	443	<1	0.01	13	1050	<2	<5	<20	292	0.39	<10	80	<10	4	15
5	8104-13	3.2	2.82	<5	65	<5	0.93	3	42	119	6298	5.65	<10	1.88	576	<1	0.04	41	1160	<2	<5	<20	33	0.34	<10	120	<10	3	210
6	8104-15	2.3	0.30	2795	5	55	0.39	5	435	20	2647	>10	<10	0.56	86	<1	0.03	83	70	6	10	<20	1	<0.01	<10	5	<10	<1	68
7	8104-16	1.5	0.85	5	10	15	0.56	5	137	20	2673	>10	<10	0.21	174	<1	0.09	116	970	6	<5	<20	21	0.12	<10	44	<10	3	52
8	8104-18	1.4	0.38	20	5	<5	0.26	6	338	16	3419	>10	20	0.10	18	<1	0.06	35	300	4	5	<20	8	0 04	<10	16	10	2	32
QC DATA:																													
Repeat:																													
1	8104-6	0.6	3.98	90	60	<5	2.72	2	24	42	539	5.01	<10	0.39	164	<1	0.36	24	1360	18	<5	<20	160	0.19	<10	62	<10	5	22
Standard:																													
Pb129a		11.6	0.84	5	60	<5	0 46	56	6	12	1441	1.57	<10	0 69	341	2	0.03	5	420	6252	15	<20	30	0.04	<10	19	<10	2	9973

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

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

JM/kk
f/12
CLS/10

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StewartGroup
Geochemical & Assay

CERTIFICATE OF ASSAY AK 2010-0016

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

19-Jan-10

No. of samples received: 8
Sample Type: Rock
Project: AN
Shipment #: AN09-002
Submitted by: Chris Gallagher

ET #.	Tag #	Au (g/t)	Au oz/t)	Ag (g/t)	Ag oz/t)
1	8104-6	0.04	0.001	0.7	0.02
2	8104-9	0.03	0.001	1.7	0.05
3	8104-10	<0.03	<0.001	0.8	0.02
4	8104-11	0.03	0.001	0.6	0.02
5	8104-13	0.05	0.001	3.2	0.09
6	8104-15	0.25	0.007	2.3	0.07
7	8104-16	0.09	0.003	1.5	0.04
8	8104-18	<0.03	<0.001	1.4	0.04
QC DATA:					
Repeat:					
1	8104-6			0.6	0.02
3	8104-10	<0.03	<0.001		
6	8104-15	0.25	0.007		
Standard:					
OXI67		1.83	0.053		
Pb129				24.2	0.71

ECO TECH LABORATORY LTD.
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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

ECO TECH LABORATORY LTD.
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StewartGroup
Geochemical & Assay

CERTIFICATE OF ASSAY AK 2010-0078

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

4-Feb-10

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

ET #.	Tag #	Au (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

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V2C 6T4

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

ICP CERTIFICATE OF ANALYSIS AK 2010-0078

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

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: Aquia Regia Digest/AA Finish

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

NM/nw
df/2_78s
XLS/10

Sample #	Lab Analysis #
AHANR001	8104-2
AHANR002	8104-3
AHANR003	8104-4
AHANR004	8104-5
AHANR005	8104-6
AHANR006	8104-7
AHANR007	8104-8
AHANR008	8104-9
AHANR009	8104-10
BWANR001	8104-11
BWANR002	8104-12
BWANR003	8104-13
LJANR001	8104-14
LJANR002	8104-15
LJANR003	8104-16
LJANR004	8104-17
LJANR005	8104-18
LJANR006	8104-19
NTANR001	8104-1

5.2 Silt Samples

20-Jan-10

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

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

ICP CERTIFICATE OF ANALYSIS AK 2010- 0040

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

No. of samples received: 1
Sample Type: Soil/Silt
Shipment #: AN09-003
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	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
1	BWANS002	6.6	0.42	1.95	21.7	198.0	0.30	0.95	0.81	9.1	28.5	41 4	2.12	5.9	60	0.18	17.0	0.68	364	0.86	0.087	29.5	662	9.28	0.10	1.02	2.5	1.1	42.5	0.02	1.9	0.059	0.20	1 6	46	0.3	84.4
QC DATA:																																					
Repeat:																																					
1	BWANS002	5.0	0.44	2.01	21.5	202.5	0.30	1.00	0.87	9.5	29.5	41.8	2.19	6.1	60	0.19	18.0	0.70	369	0.89	0.095	30.0	687	8.59	0.10	0.98	2 8	1.1	43.5	0.02	2.3	0.065	0.20	1.6	48	0.2	85.1
Standard:																																					
OXE74		630.4	0.06	1.75	1.3	68.0	0.04	0.80	0.03	21.3	58.0	29.4	3.46	6.2	10	0.39	13.5	1.65	489	1.77	0.688	80.9	1020	9.97	0.04	0.02	1.4	0.3	180.5	0 02	1.9	0.409	0.04	0.6	56	0.1	46.7

Aqua Regia Digest/ICPMS Finish

NM/nw
df/msr0038AuS
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
AHANG001	14/07/2009	outcrop	1542	557581	6941966.7	GPS	3	outcrop of volcanic unit, probably andesite but could be basalt, with 5 % hnbl laths, float up oc contains abundant qtz blebs, veins and fracture filling with py +/- other sulph
AHANG002	14/07/2009	outcrop	1789	557454	6941499.5	GPS	1	fault/shear zone in volcanic unit, ~7m wide, zone contains blebs and micro vnts of qtz
AHANG003	14/07/2009	subcrop	1907	557390	6941114.9	GPS	1	
AHANG004	14/07/2009	outcrop	1917	557357	6940963 2	GPS	1	shear zone in volcanics, found in the andesite unit with associated carbonate orange alteration and qtz veining
AHANG005	14/07/2009	subcrop	1927	557463	6940659.5	GPS	1	subcrop of qtz stockwork veining with chl alteration, possible 5% sph, found on vein envelopes and Si replacement zones
AHANG006	15/07/2009	outcrop	1463	558359	6941980.3	GPS	1	outcrop of phyllite unit, for sure sedimentary, contains bedding with micro folding, intruded by white qtz bull veins, no sulphides present
AHANG007	15/07/2009	outcrop	1473	558270	6941500.6	GPS	1	small oc of dark fine grained greywacke unit, qtz veining common, ranging from 2-25 cm. Po more common and higher abundance in smaller once but also found in larger ones.possible shearing
AHANG008	15/07/2009	outcrop	1402	558527	6941010.9	GPS	1	oc of sheared dark wackestone with pervaisve Si alteration and qtz veining, po found in qtz veins. Gradient in silicification or small facies change between massive grey unit and more bedded brown unit First appearance of silicification banding, small repeating ~0 5-1 cm bands
AHANG009	16/07/2009	outcrop	1490	558207	6941231 1	GPS	2	oc in tributary creek of dark wackestone/sandstone, possible bedding
AHANG010	16/07/2009	outcrop	1872	559104	6940111.7	GPS	1	runsty black fg wackestone/sandstone with blebs and diss po
AHANG011	16/07/2009	outcrop	1946	559138	6939925 8	GPS	1	another sample of rusty fg black unit with diss and bleb po
AHANG012	16/07/2009	subcrop	1959	559062	6939839 6	GPS	1	subcrop of rusty black unit with po, cpy and Cu staining
AHANG013	16/07/2009	outcrop	1931	559006	6939807.9	GPS	2	highly oxidized and Si altered oc with semi-massive po-cpy
AHANG014	16/07/2009	subcrop	1859	558457	6939485.9	GPS	1	subcrop of semi massive po-cpy in the saddle
BWANG001	14/07/2009	subcrop		557608	6941946	GPS	12	outcrop above talus train of volcanics with good qtz veining, vein margins are commonly altered
BWANG002	14/07/2009	subcrop		557373	6941096	GPS	11	overall texture of pillows but strange qtz breccia within pillows - pillows have chill margins and are filled with massive to cm size rounded clasts of qtz
BWANG003	14/07/2009	outcrop		557685	6940628	GPS	8	talus train of rusty rock leads to rusty section of outcrop with blebby to massive sulphide adjacent to and within veins
BWANG004	15/07/2009	outcrop		557622	6941677	GPS	12	no pillows, volcaniclastic rock, both clasts and matrix are green volcanics, volcaniclastic zone flanked by 2 faults
BWANG005	15/07/2009	outcrop		557672	6941647	GPS	9	orange fissile rock with cream coloured mm size clasts, seems out of place and is limited to a 5 by 5 m area, commonly pyritic and/or silicified
BWANG006	15/07/2009	outcrop		557882	6941455	GPS	9	pillowed, very large (50cm) qtz vein, barren
BWANG007	15/07/2009	outcrop		558150	6940725	GPS	12	
BWANG008	15/07/2009	outcrop		558339	6939479	GPS	6	along cliffs between saddles rock is fine grained and origin in unknown (possibly some ash flow tuff), very rusty in places, only minor pyr seen
BWANG009	16/07/2009	outcrop		560777	6941847	GPS	12	20 by 20 m outcrop with a waterfall, phyllite metamorphism of siltstone, lots of rusty and minor pyr, convoluted wavy bedding, nodules of coarse colourless qtz sand common
BWANG010	16/07/2009	outcrop		561245	6942023	GPS	7	

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
AHANG001	AH	14/07/2009	outcrop		Andesite	greenish	brownish	fine-medium	pillow breccia				0		
AHANG002	AH	14/07/2009	outcrop		Andesite	greenish	beige	fine-medium	laminated				0		
AHANG003	AH	14/07/2009	subcrop		Ash Tuff								0		
AHANG004	AH	14/07/2009	outcrop		Andesite	greenish	brownish	fine-medium	sheared				0		
AHANG005	AH	14/07/2009	subcrop		Andesite	greenish	brown	fine-medium	aphanitic				0		
AHANG006	AH	15/07/2009	outcrop		Argillite	black	greyish	fine	bedded				0		
AHANG007	AH	15/07/2009	outcrop		Wacke	black	grey	fine	sheared				0		
AHANG008	AH	15/07/2009	outcrop		Wacke	black	grey	fine-medium	sheared				0		
AHANG009	AH	16/07/2009	outcrop		Sandstone	black	brownish	fine-medium					0		
AHANG010	AH	16/07/2009	outcrop		Wacke	grey	rusty	fine					0		
AHANG011	AH	16/07/2009	outcrop		Wacke	black	rusty	fine					0		
AHANG012	AH	16/07/2009	subcrop		Wacke	black	rusty	fine					0		
AHANG013	AH	16/07/2009	outcrop		Unknown	black	rusty	fine					0		
AHANG014	AH	16/07/2009	subcrop		Unknown	blunsh	rusty	fine					0		
BWANG001	BW	14/07/2009	subcrop		Andesite	green	green	fine	pillow breccia				0		
BWANG002	BW	14/07/2009	subcrop		Andesite	brownish	brownish	medium	brecciated				0		
BWANG003	BW	14/07/2009	outcrop		Andesite	green	green	fine	amygdaloida l				0		
BWANG004	BW	15/07/2009	outcrop		Volcaniclastic rock	green	grey	fine	brecciated				0		
BWANG005	BW	15/07/2009	outcrop		Andesite	green	grey	fine	pillows-flattened				0		
BWANG006	BW	15/07/2009	outcrop		Andesite	green	grey	fine	pillows-flattened				0		
BWANG007	BW	15/07/2009	outcrop		Andesite	greenish	grey	fine	amygdaloida l				0		
BWANG008	BW	15/07/2009	outcrop		Andesite	dark	greyish	fine	volcanoclast ic				0		
BWANG009	BW	16/07/2009	outcrop		Meta-siltstone	grey	rusty	fine-medium	nodular				0		
BWANG010	BW	16/07/2009	outcrop		Siltstone	grey	rusty	medium	bedded				0		

Appendix 6.3 - Structure

Station Number	Structure Name	Quality	Azimuth	Dip / Plunge	Comments
AHANG002	fault plane	GOOD	110	35	
AHANG004	shear plane	GOOD	114	41	
AHANG006	bedding	MODERATE	280	21	
AHANG009	bedding	MODERATE	35	25	
AHANG013	joint	GOOD	90	87	
BWANG005	fault plane	MODERATE	180	90	

Appendix VII – XRF

7.1 XRF Techniques
7.2 XRF Geochemical Results – Rocks
7.3 XRF Geochemical Results - 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	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
AHANR001	ROCK	15/10/2009	BULK	0	112.72	0	142	0	0	0	1332	7.974698	0	730	22.1	43.5		5.77404	0	656	0.1512	0	0	221	60.32
AHANR001	ROCK	15/10/2009	INDBULK	0	102.71	0	82	0	0	0	1314	9.140703	0	430	0	0	0	9.255536	138.4	349	0.34072	0			0
AHANR002	ROCK	15/10/2009	BULK	0	0	0	0	0	0	0	687	1.672186	0	88	0	39.2		9.328963	108.5	211	0.1032	0	0	119.4	29.35
AHANR003	ROCK	15/10/2009	BULK	0	0	0	61	0	0	0	946	6.058031	0	3919	0	38.4		6.883127	80.73	393	0	0	0	226.1	50.97
AHANR003	ROCK	15/10/2009	INDBULK	0	0	0	0	0	0	0	1140	7.205611	0	2151	0	0	0	10.06914	281.1	0	0	0			0
AHANR004	ROCK	15/10/2009	BULK	0	0	0	150	0	232.9	625.05	811	8.598425	121	143	0	38.8		0.74576	258	1108	1.4616	0	0	178.4	30.49
AHANR004	ROCK	15/10/2009	INDBULK	15.8	0	19	121	0	126.4	596.79	854	9.520117	91.73	83	0	0	0	1.380786	634.3	876	2.96669	0			0
AHANR005	ROCK	15/10/2009	BULK	0	498.73	22.3	93	0	0	0	1542	10.01177	72.66	314	0	61.8		5.148116	0	575	0.1794	0	0	234.6	48.11
AHANR005	ROCK	15/10/2009	INDBULK	0	518.82	0	114	0	0	0	1748	11.20555	59.46	177	0	0	0	9.670713	150.9	192	0.3685	0			0
AHANR006	ROCK	15/10/2009	BULK	0	149.35	41.6	57	0	0	0	721	7.920938	0	195	0	29.5		3.789825	60.65	963	0.34252	0	0	172.7	54.61
AHANR006	ROCK	15/10/2009	INDBULK	0	143.68	36.8	90	0	0	649.8	588	8.579331	0	105	0	0	0	6.035601	165.8	679	0.66453	0			0
AHANR007	ROCK	16/10/2009	BULK	0	342.98	0	123	0	0	0	1283	17.78376	0	96	0	40.4		1.691245	0	910	0.58298	0	0	152.2	31.42
AHANR007	ROCK	16/10/2009	INDBULK	15.8	352.24	0	124	0	0	1245.1	1035	15.32888	0	49	0	0	0	4.019469	0	784	1.63252	0			0
AHANR008	ROCK	16/10/2009	BULK	0	1968.9	28.9	68	20.7	0	0	1993	37.95568	0	53	0	94.8		1.158894	0	525	0	0	0	307.7	104.9
AHANR008	ROCK	16/10/2009	INDBULK	15.9	2262.3	0	65	0	0	0	998	26.11009	0	35	0	0	0	3.541398	0	0	0	0			0
AHANR009	ROCK	16/10/2009	BULK	17.7	1009.6	0	85	0	259.6	0	1181	21.35414	0	140	0	70.9		2.376906	0	624	0.10818	0	0	268.2	63.84
AHANR009	ROCK	16/10/2009	INDBULK	16.2	1102.7	0	69	0	0	0	1004	17.8792	0	74	0	0	0	5.677884	171.8	175	0.36515	0			0
BWANR001	ROCK	16/10/2009	BULK	0	2039.1	0	0	0	0	0	842	5.539785	0	2809	0	49.9		9.590687	53.4	349	0	0	0	155.1	43.74
BWANR001	ROCK	16/10/2009	INDBULK	0	2299	31.1	0	0	0	0	1048	6.731321	0	1522	0	0	0	13.05473	191.8	0	0	0			0
BWANR002	ROCK	16/10/2009	BULK	0	35.48	0	0	0	0	0	241	0.68305	0	45	0	0		2.724857	183.2	69	0.08407	0	0	0	23.25
BWANR003	ROCK	16/10/2009	BULK	0	5281.7	0	198	0	0	0	767	7.442392	0	348	0	34.9		1.868315	46.57	438	0.09638	0	0	148.3	39.97
BWANR003	ROCK	16/10/2009	INDBULK	19.4	6545.6	0	255	0	0	438.11	808	8.670665	0	220	0	0	0	3.257808	266.1	0	0.18393	0			0
LJANR001	ROCK	16/10/2009	BULK	0	69.95	24.3	112	0	0	0	442	4.158823	0	421	0	56.3		3.575895	111.2	993	1.02946	0	0	203.9	51.92
LJANR002	ROCK	16/10/2009	BULK	0	2247.1	0	110	0	0	1602.5	862	29.82085	2443.9	0	28.8	84.8		2.620058	0	514	0	0	0	281.2	83.56
LJANR002	ROCK	16/10/2009	INDBULK	0	2314.2	0	90	0	0	0	655	21.16372	1657.1	0	0	0	36.4	6.900815	0	0	0	0			0
LJANR003	ROCK	16/10/2009	BULK	0	2295.8	0	129	0	0	0	2137	27.81327	0	183	24.9	52.9		1.435207	0	1756	0.24382	0	0	247.8	71.33
LJANR003	ROCK	16/10/2009	INDBULK	0	2399.7	26.6	110	0	0	771.8	1414	20.73552	0	103	0	0	0	3.941917	0	1358	0.88643	0			0
LJANR004	ROCK	16/10/2009	BULK	0	176.7	0	85	0	0	0	963	11.08981	18.1	179	0	61.5		3.873686	0	831	0.32757	0	0	207.7	41.61
LJANR004	ROCK	16/10/2009	INDBULK	0	163.76	0	62	0	0	0	1035	11.68351	0	104	0	0	0	7.345241	208.5	559	0.71	0			0
LJANR005	ROCK	16/10/2009	BULK	0	2838	37.9	73	0	0	0	1409	49.92825	0	45	27.8	75.7		0.994526	0	653	0	0	0	282.2	93.09
LJANR005	ROCK	16/10/2009	INDBULK	0	3013.9	0	0	0	0	0	595	30.23131	0	21	0	0	25.1	3.152135	163.7	183	0	0			0
LJANR006	ROCK	16/10/2009	BULK	0	162.2	0	129	0	0	0	930	8.618741	0	165	0	31.9		3.382271	103	586	0.44546	0	0	156.2	32.35
LJANR006	ROCK	16/10/2009	INDBULK	0	191.98	0	136	0	0	0	1116	9.425708	0	82	0	0	0	5.703038	284.1	270	0.89034	0			0
NTANR001	ROCK	15/10/2009	BULK	0	235.1	39.1	94	0	0	0	283	5.421275	0	98	0	37.6		1.863349	201.4	582	0.43953	0	0	129.3	40.51
NTANR001	ROCK	15/10/2009	INDBULK	0	197.98	42.1	107	0	0	0	309	6.948913	0	61	0	0	0	2.551433	379.4	372	0.63862	0			0

Appendix 7.3 Silt 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	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
BWANS002	SILT	12/01/2010	BULK	0	47.72	22.4	73	0	0	229	556	2.27701	20.2	287	0	0		1.48162	0	324	1.28291	0	0	0	0
LJANS001	SILT	07/01/2010	BULK	0	59.75	16.5	94	0	0	0	445	2.84701	0	169	0	25.7		1.08307	61.54	594	1.11379	0	0	103.6	0
LJANS002	SILT	07/01/2010	BULK	0	63.63	22.5	78	0	0	0	569	3.61391	0	223	0	27.8		1.22174	40.8	685	0.85907	0	0	124.6	22.6
LJANS003	SILT	07/01/2010	BULK	0	114.2	0	77	0	0	0	624	3.94672	35.2	254	0	36.4		1.48314	83.02	739	0.81909	0	0	156.7	34.7
LJANS004	SILT	07/01/2010	BULK	0	117	31.3	122	0	0	345	709	4.90767	48.5	199	0	0		1.18881	117.2	496	0.68284	0	0	0	0
LJANS005	SILT	07/01/2010	BULK	0	301.3	0	114	0	168.5	0	1429	8.63681	89.4	250	0	49.7		1.78365	87.98	720	0.36603	0	0	141.8	54
LJANS005	SILT	07/01/2010	INDBULK	0	314.2	0	159	0	0	485	1535	9.55245	72.1	136	0	0	0	3.07223	304.7	394	0.76368	0			0
LJANS006	SILT	07/01/2010	BULK	0	56.05	17.7	72	0	0	0	419	4.61967	0	245	0	0		1.16804	74.65	517	0.69887	0	0	89.02	0
NTANS001	SILT	07/01/2010	BULK	0	0	0	88	0	0	0	475	2.63822	21.5	203	0	24.1		1.03687	0	605	1.0711	0	0	100.2	0
NTANS002	SILT	07/01/2010	BULK	0	73.89	23.1	106	0	92.57	0	620	4.30077	18.6	214	0	43.7		1.39847	93.93	795	0.94618	0	0	196.7	55.8
NTANS003	SILT	07/01/2010	BULK	0	105.1	0	84	0	0	0	707	4.79818	24.5	226	0	44.9		1.45655	51.27	811	0.80144	0	0	119.3	46.8
NTANS004	SILT	07/01/2010	BULK	0	106.8	0	98	0	0	0	867	4.91941	13.8	215	0	32.8		1.12839	66.56	745	0.7736	0	0	95.7	21.9
NTANS005	SILT	07/01/2010	BULK	0	86.34	16.7	97	0	0	0	623	4.14797	19.5	192	0	0		1.28694	87.79	618	0.84125	0	0	67.18	0
NTANS006	SILT	07/01/2010	BULK	0	135.1	0	84	0	0	0	667	4.88226	25.7	186	0	23.5		1.18298	65.21	456	0.59782	0	0	88.22	0
NTANS007	SILT	07/01/2010	BULK	0	127	16.8	73	0	124.2	0	543	5.39168	76.1	191	0	32		1.45998	149.1	652	0.46896	0	0	159	47
NTANS007	SILT	07/01/2010	INDBULK	0	125.7	0	107	0	129.4	0	867	6.66061	55.4	112	0	0	0	2.04398	263.7	270	0.69916	0			0
NTANS008	SILT	07/01/2010	BULK	0	44.81	0	95	0	0	0	940	3.57985	23.6	239	0	27.5		1.31032	70.8	600	0.89048	0	0	71.2	34.1
NTANS012	SILT	07/01/2010	BULK	0	41.02	0	71	0	0	0	376	2.15608	15.8	186	0	22.7		1.43822	40.93	549	1.0392	0	0	82.35	0
NTANS013	SILT	07/01/2010	BULK	0	0	14.4	97	0	0	0	368	2.04943	0	201	0	0		1.51276	37.77	509	1.16849	0	0	0	0