YMIP Technical Report

on the

Ark Project

Whitehorse Mining District

Mapsheets 105D11

Center of Work:

Latitude 60°36'36"N, Longitude 135°25'49" W

Prepared for:

Copper Canyon Resources Ltd.

Suite 200, 16-11th Ave S.

Cranbrook, BC, VIC 2P1

By

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March 16, 2010

Summary

This report highlights the results of a 2009 Focused Regional YMIP exploration program. Work in 2009 focused on the east side of the Ibex river, located approximately 21 kilometers west of Whitehorse, YK. The purposes of the program was to ground truth a cluster of anomalous Au, Ag, As, Cu and Zn Yukon RGS stream-silt samples, located along the northern extent of the Tally Ho fault system. The work program included prospecting/mapping and soil and stream silt geochemical sampling. Exploration work occurred between June 21 to 26th, 2009, with YMIP applicable expenditures totaling $26,899.43.

The Ibex river valley is controlled by a series of faults, that are likely a northern extension of the Tally Ho shear system. The Tally Ho shear zone (THSZ) is a 40-km-long zone of highly strained rocks along the western margin of the Whitehorse Trough in southern Yukon. The RGS anomaly cluster occurs in an area underlain predominantly by mid-Cretaceous plutons in proximal contact to upper Triassic Povoas volcanic rocks and Jurassic Laberge Group sedimentary rocks. Sizable Tertiary alaskite-bearing intrusions of the Bennett suite also underly the larger area.

The 2009 field program was succusful in that it did verify and expand the extent and understanding of geochemical anomalies east of the Ibex river. Insitu grab samples returned up to 1520 ppb Au, 166 ppm Ag and 3624 ppm Cu. Mineralization was associated with elevated As, Bi, Pb and Sb. Prospecing and mapping activities have refined the contact relationships between the 4 main rock types in the area. Soil and silt sampling in 2009 verified the caliber of the historical highly anomalous RGS samples. The dominant style of mineralization is noted as semi-massive and disseminated sulfides associated highly hornfelsedgreenstone. The best results for gold was from a 4 cm quartz vein that contained a trace of galena hosted in the volcaniclastic unit. The best results for copper came from semi massive pyrrhotite and pyrite in a highly hornfelsed volcanic greenstone unit. Hornfelsing is prevelent in the rocks of the area attesting to the proximal contact with a middle Cretaceous pluton in the western half of the 2009 mapped area. Notably, some minor quartz stockwork veining was noted in both quartz arenite and granitoid rocks, but was consistently devoid of significant sulphide content.

The standalone results of the 2009 program are modest, but considering the small area investigated, and that it may be part of a much larger system with regional-scale mineralization potential, it is recommended that additional work be completed to determine the on-strike extent of mineralization. Follow-up work along the northwest trending Ibex Fault system is strongly recommended, particularly in areas where crosscutting east- to northeast- trending discontinuities are evident, in the vicinity of plutonic and volcanic heat sources, and where reactive lithologies are likely to be encountered.

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INTRODUCTION

This report highlights the results of a 2009 Focused Regional YMIP exploration program. Work in 2009 focused on the ridge tops and steep west facing aspects on the east side of the Ibex river for the purposes of ground truthing a cluster of anomalous Au, Ag, As, Cu and Zn Yukon RGS samples. The work program included prospecting/mapping and soil and stream silt geochemical sampling. Exploration work occurred between June 21 to 26th, 2009, with YMIP applicable expenditures totaling $26,899.43.

Location and Access

The Ark target is located within the Whitehorse mining district, approximately 21km west of Whitehorse, YK (Figure 1). The target area is found on NTS map sheets 105D11 and 105D12, 6 kilometers north of the divide separating the Ibex River and Fish Lake headwaters drainage system. Access to the property was attained via helicopter staged from of the north end of Fish Lake. The camp was situated on a ridge east of the Ibex River, a short 10km flight west of the staging area. Elevations range from 1000 m at the Ibex River valley to 1840m on the ridges above with moderate to steep terrain. Outcrop exposure is good on ridges but generally poor at lower elevations.


CPY:TSX-V
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Ark Project
Figure 1 - Project 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
Dawson City
Keno Hill
Mayo
Territory
Northwest Territories
Road
Faro
Beaver Creek
Carmacks
Klondike Highway
Ross River
Tungsten
Canol
Haines Junction
Ark
Kluane National Park
Alaska Highway
Whitehorse
Johnsons Crossing
Watson Lake
Carcross
British Columbia
N
Canada
Legend
Town
YMIP Target
Territorial Border
Road
River
Lakes
0 50 100 150 200 250
Kilometers

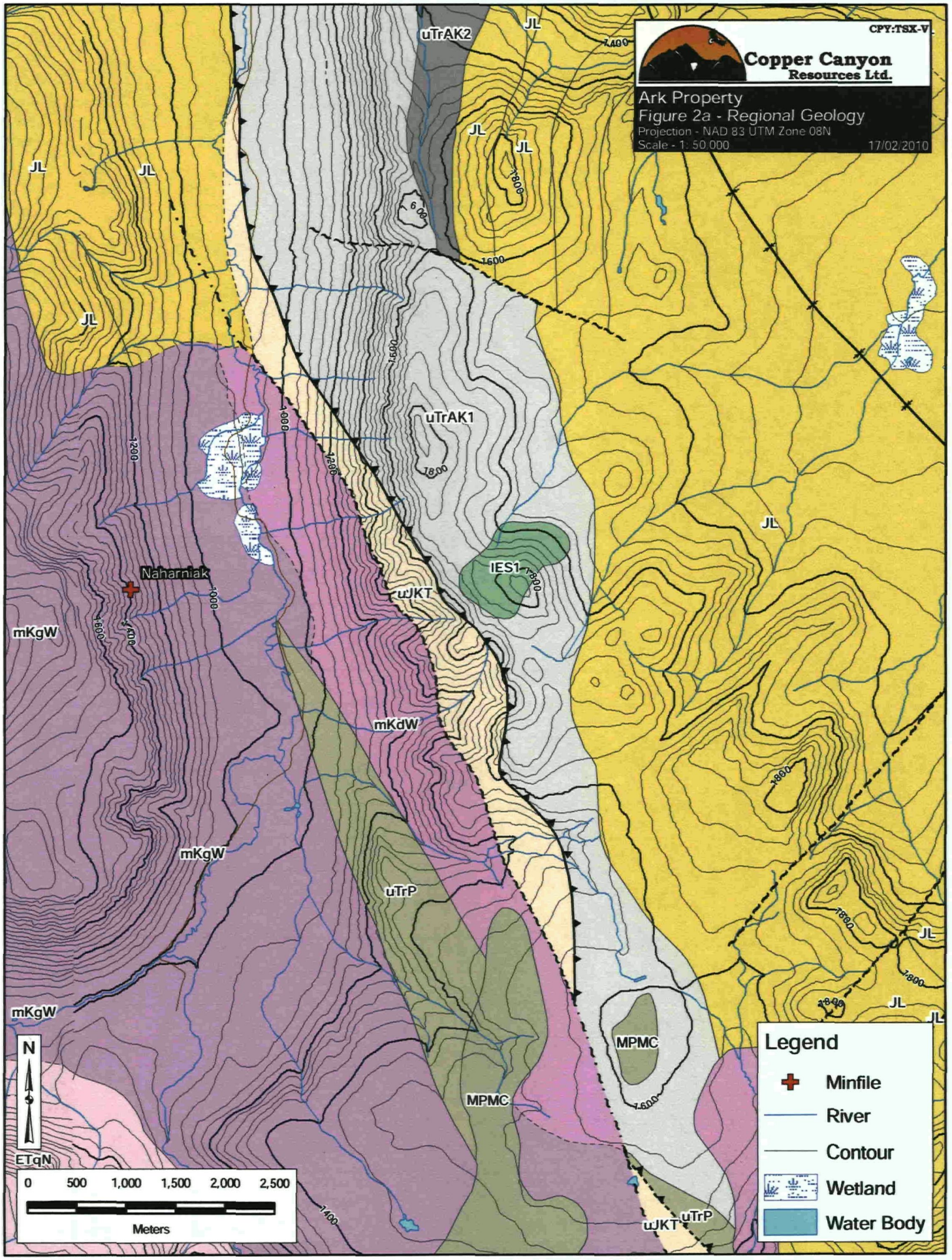
GEOLOGICAL

Regional Geology Description

The entire targe area is within the Intermontane Belt of the Canadian Cordillera with dominantly Triassic volcanic to Jurrassic sedimentary overlap assemblages of Stikinia to the east of the Ibex river valley, and mid Cretaceous quartz diorite and granodiorite, and early Tertiary granites to the west (Figure 2). A number of small felsic to intermediate volcanic units of the Eocene Mt. Skukum formation outcrop in the property area, as do Pleiocene to Miocene mafic volcanic rocks of the Miles Canyon formation.

The Ibex river valley is controlled by a series of faults, that are likely a northern extension of the Tally Ho shear system. The Tally Ho shear zone (THSZ) is a 40-km-long zone of highly strained rocks along the western margin of the Whitehorse Trough in southern Yukon, first recognized by Hart and Radloff (1990). The deformed belt of rocks is 3 km wide and separates the Stikine Terrane to the east from Nisling Assemblage rocks of the Yukon-Tanana Terrane to the west. The Rocks of the Tally Ho shear zone are mainly part of the Upper Triassic Lewes River Group (Wheeler, 1961; Hart and Radloff, 1990). Regionally, the Lewes River Group consists of dominantly volcanic Povoas formation overlain by sedimentary Aksala formation (Hart, 1997). The area is crosscut by numerous Jurassic, Cretaceous and Eocene intrusive bodies.

The THSZ is structurally overprinted by the younger Llewellyn fault zone (LFZ) which extends southwards into BC (Tizzard and Johnson, 2005). In the Taku arm area west of Atlin, the LFZ marks but is not constrained to a major tectonic boundary between units of the Whitehorse Trough to the east, and the Boundary Ranges metamorphic suite to the west (Mihalynuk, 1999). Splay faults of the LFZ cutting through Jurassic sediments of the Laberge Group and Triassic volcanics of the Stuhini group are host to a number of important mineral deposits including the Engineer Mine, Rupert Showings. Tertiary intrusives are also associated with Au in quartz-calcite veins at the Ben-my-Chree and Titan showing, with the latter also associated with Mo-Cu "porphyry" style mineralization. The Boundary Ranges metamorphic suite is host to precious and basemetal quartz vein mineralization at the Gridiron and Bighorn mines.


CPY:TSX-V
Copper Canyon
Resources Ltd.
Ark Property
Figure 2a - Regional Geology
Projection - NAD 83 UTM Zone 08N
Scale - 1: 50,000
17/02/2010
JL
uTrAK2
uTrAK1
uJKT
IES1
mKgW
mKdW
uTrP
MPMC
ETqN
Naharniak
1400
1600
1800
2000
1200
N
0 500 1,000 1,500 2,000 2,500
Meters
Legend
Minfile
River
Contour
Wetland
Water Body

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Ark Property

Figure 2b - Regional Geology Legend

18/02/2010

Geologic Legend

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

- Defined Thrust Fault
- Assumed Thrust Fault
- Defined Fault
- Approximate Fault
- Assumed Fault
- Syncline, Observed
- Assumed Contact
- Observed Contact
- Inferred Contact

MPMC	*MILES CANYON: dark red to brown weathering, columnar jointed olivine basalt flows, commonly amygdaloidal and vesicular; ultramafic xenoliths*
ETqN	*NISLING RANGE SUITE: leucocratic, biotite granite; miarolitic alaskite; saccharoidal textured, mafic-poor biotite granite; biotite-hornblende granite to leucocratic granodiorite with sparse, white, alkali feldspar phenocrysts; biotite quartz monzonite*
IES1	*SKUKUM: flow banded rhyolite flows and breccia, andesite flows and breccia, tuff, pyroclastic and epiclastic rocks, granite conglomerate; rhyolite feldspar porphyry domes, plugs and laccoliths; feldspar hornblende quartz-phyric felsite dykes and plugs*
uJKT	*TANTALUS: massive to thickly bedded chert pebble conglomerate and gritty quartz-chert-feldspar sandstone; interbedded dark grey shale, argillite, siltstone, arkose and coal; at one locality includes red-weathering dacite to andesite flows at base*
mKdW	*WHITEHORSE SUITE: hornblende diorite, biotite-hornblende quartz diorite and mesocratic, often strongly magnetic, hypersthene-hornblende diorite, quartz diorite and gabbro*
mKgW	*WHITEHORSE SUITE: biotite-hornblende granodiorite, hornblende quartz diorite and hornblende diorite; leucocratic, biotite hornblende granodiorite locally with sparse grey and pink potassium feldspar phenocrysts*
JL	*LABERGE: poorly sorted, medium bedded to massive arkosic sandstone and minor shale with interbeds and thick members of resistant heterolithic pebble and boulder conglomerate; recessive, dark brown weathering, thin bedded, dark brown to greenish, silty shale*
uTrAK2	*AKSALA: massive to thick bedded limestone; minor thin bedded argillaceous to sooty limestone; coarsely crystalline, massive dolostone; minor laminated chert; massive to poorly bedded, limestone conglomerate debris flows and fanglomerate*
uTrAK1	*AKSALA: brown shale, black and minor red siltstone, greenish, calcareous greywacke and interbedded bioclastic, argillaceous limestone; igneous- or limestone-clast pebble and cobble conglomerate; laharic debris flows; rare feldspar-augite porphyry flows*
uTrP	*POVOAS: augite or feldspar phyric, locally pillowed andesitic basalt flows, breccia, tuff, sandstone and argillite; local dacitic breccia and tuff with minor limestone; greenschist, chlorite schist, chlorite-augite-feldspar gneiss, amphibolite*

Exploration Program

Work at the field area occurred from June 21 to 26th, 2009. A fly camp was set up at 477671E, 6719207N. Geology work included detailed mapping and prospecting of the two RGS anomalous streams draining westwards into Ibex River (Figure 3). This work focused on identifying and investigating any structures in the area: intrusive margins, quartz veining with sulphide mineralization, alteration - including sericite, silicification, and propyllitic features.

Confirmation and re-analysis of the historic work on the property included re-sampling and interpretation. Geochemical work included silt sampling of any unsampled drainages to the north of camp, establishment of two soil sample contour lines, and one bearing line to locate any buried mineralization and follow up to previous days results (Figure 4).

Exploration Results

Exploration work confirmed the historic results by Lueck (1990). Pyrrhotite and pyrite, with some minor chalcopyrite mineralization was found in the volcaniclastic greenstone unit, and is commonly associated with extensive hornfelsing. Mineralization is semi massive in places but disseminated for the most part. Minor quartz vein sheeting as well as mm-scale quartz veins with trace pyrite mineralization was found in a quartz arenite/siltstone unit. Very rare quartz veins occurred in the volcaniclastic unit with sphalerite and pyrite, while quartz veins in the granodiorite were typically devoid of sulphides. Except for minor sericite, little to no alteration was located outside of the hornfelsed/iron staining of the volcaniclastic greenstone. Silt sampling proved extremely difficult in the northern drainages due to steepness and poor silt retention in ephemeral creek beds. Soil quality was poor due to rocky steep terrain. Staking was not recommended on the property pending good results from the soil sample survey.

Geological Mapping

Prospecting and mapping in the target area revealed the presence of four rock types (Figure 3):

A) Skukum Volcanics (lES1): This unit is described as a green volcaniclastic rock, from rhyolite to andesite in composition. It commonly contains disseminated pyrite and pyrrhotite averaging 2 % but can be up to semi massive. The unit is also locally highly hornfelsed with concurrent iron staining. This localized hornfelsing could be due to a buried heat source, possible a smaller plug of the Whitehorse Suite granodiorite.

B) Askala Formation (uTrAK1): This unit is comprised of a combination of siltstone, quartz arenite and mudstone. These units contain rare pyrite and pyrrhotite. There seems to be some limited contact metamorphism related to the intrusive unit as you get within ~200 m of the contact zone.

C) Tantalus Formation (uKT): This unit is described as a quartz pebble conglomerate. This rock is clast supported, with cm scale pebbles and a sand/silt matrix.

D) Whitehorse Suite Intrusive (mKdW): This intrusive is described as an equigranular granodiorite with a range between medium to coarse grained phenocrysts and rare quartz/calcite veining.

Except for minor sericite found at the envelopes of some of the quartz veining, little to no alteration

was located outside of the hornfelsed/iron staining of the volcaniclastic greenstone. The most altered volcanics was associated with the highest amount of pyrite and pyrrhotite mineralization, which carried anomalous values for copper.

The structures encountered were limited to minor ~1.5 m shear planes. At the margins of the shear planes there is evidence of minor silicification. These shear planes were closely associated with the projection of the Ibex fault system and thus are most likely a representation of this system.

Quartz veining was present to some extent in all the units but for the most part were barren of all sulphides. The one exception was the sample AHAKR009, which contained 0.5% galena. It was common to see minor quartz veining (1 cm wide) with a trace of pyrite within the unaltered volcanics. There were some sheeted veining noted at station AHAKG006, mm in scale with 10-15 veins/m and rare pyrite. The sample taken of this veining did not return anomalous results for any metal.

Geochemistry

Rock Samples

A total of 17 rock samples were collected from the Ark target area, all on the mountain side east of the Ibex river (Figure 4). One outcrop sample (AHAKR009), consisting of a 4 cm quartz vein sample within the greenstone volcanic unit with ~0.5% galena, returned significant gold (1520 ppb) and silver (166 ppm) (Figure 6a). This sample also returned anomalous lead (690 ppm), bismuth (350 ppm), arsenic (85 ppm), and antimony (20 ppm). Two samples of the greenstone returned anomalous values: outcrop sample AHAKR003 returned 11 ppm Ag, 25 ppb Au, and 1245 ppm Bi; subcrop sample AHAKR005 returned 3624 ppm Cu, 60 ppb Au, 2.9 ppm Ag, 75 ppm Bi, and 10 ppm Sb. This last sample consisted of the semi massive pyrite and pyrrhotite mineralization within the greenstone unit.

Two additional volcaniclastic rock samples collected in the area (LJAKR001 and 002), were both weakly anomalous in zinc (up to 720 ppm), but not in any other metals (Figure 6a).

Soil Samples

A total of 116 soil samples were collected from 4 contour soil lines plus an additional 3 reconnaissance soil samples. The purpose of the soil lines was to test for mineralization that was under cover and could be related to fault splays off the Ibex fault as well as to test if anomalous values would come out of the soils along the fault system itself.

All soil samples were analyzed using a hand held Niton XL3t XRF (Figures 4, 5) with techniques and results in Appendix 7. Based on preliminary results, a total of 35 of those samples were selected for additional ICP sampling particularly for reliable Au and Ag determination (Figure 6). Correlation analysis of the XRF versus ICP results indicates that both Pb, Zn, and As are in near perfect agreement: $R^2 = 0.98$, 0.98 and 0.99, respectively, with slopes(m) close to 1. Copper agreement between the two techniques is good ($R^2 = 0.85$). Reasonable quantifiable limit of detection for Cu for the current dataset is approximately 60 ppm. Soil statistics for the ICP dataset are tabulated below. Of all the metals in Table 1, both lead and arsenic have a significant correlation to gold, while Zn and Ag have moderate correlations to Au.

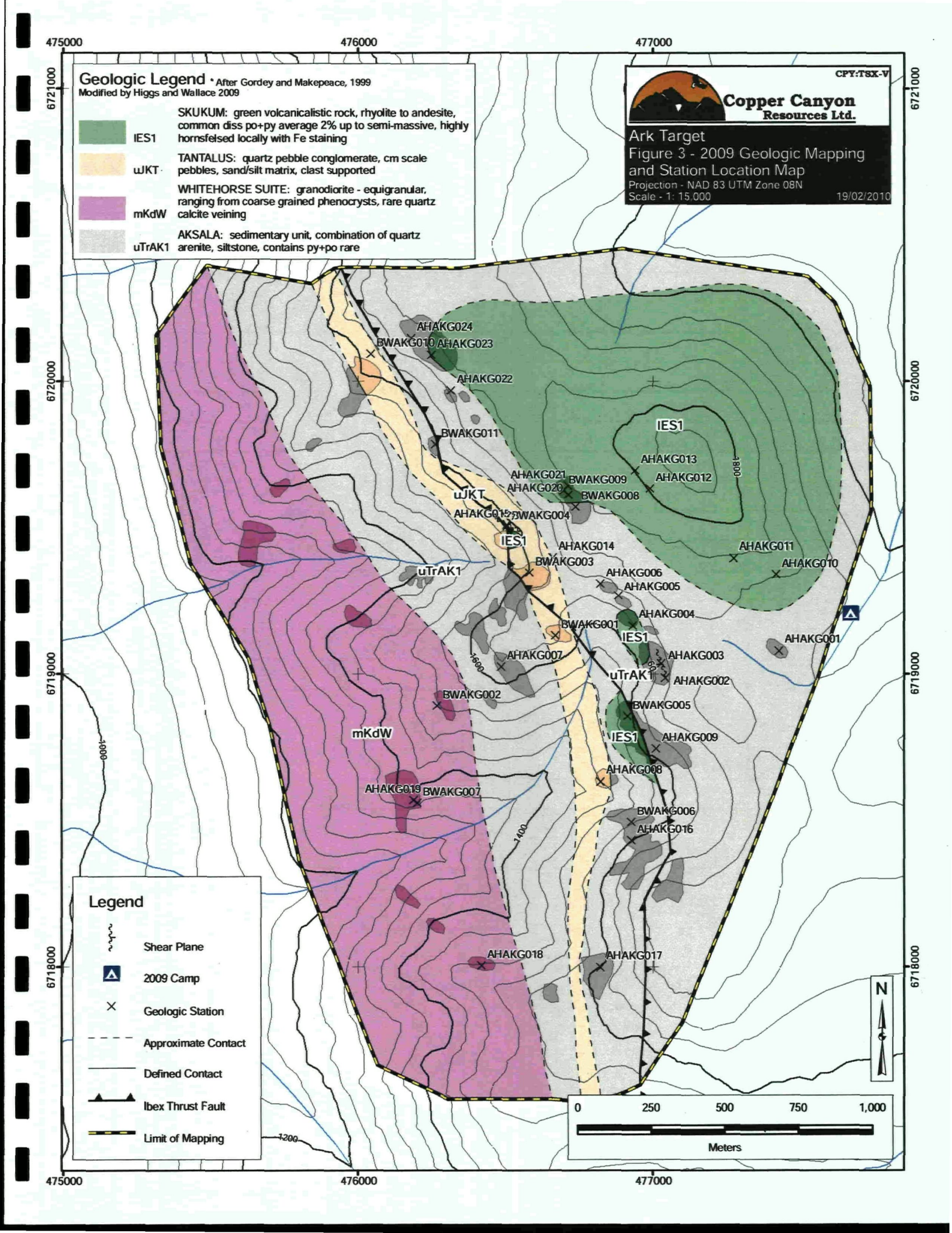
Table 1 – Elemental Correlations based on ICP lab results

n=35	Cu_ppm	Pb_ppm	Zn_ppm	Ag_ppm	As_ppm	Au_ppb
min	23.2	5.9	35	0.1	4.3	3.2
max	242.1	303.3	1113	4.4	673.7	131
average	80.4	51.9	169.7	0.7	70.2	14.3
stdev	50.8	71.4	218.6	0.9	124.9	23.8
95 percentile	194.3	202.7	564.3	2.4	255.3	45.7
99 percentile	230	298.9	933.8	3.8	571.1	108.9
Au correl	0.25	0.9	0.7	0.78	0.98	1

Spatial analysis of the soil samples (Figures 5,6), indicates that the best gold soil anomaly is a 2 station anomaly near the center of line 1 at the thrust contact between the Tantalus and Aksala unit. The same anomaly distribution occurs for Pb and Ag. Copper in soils exhibits a different distribution with a significant but spotty anomaly near the center of line 4 at the top of the ridge associated with the contact between sedimentary rocks of the Aksala unit and volcaniclastic rocks of the Skukum unit.

Silt Samples

A total of 5 stream silt samples were collected and analyzed by Niton XRF (Figures 4, 5; Appendix 7.3). Two samples were anomalous in copper relative to statistics calculated on YGS RGS for the Intermontane Terrane: Both BWAKS001 and LJAKS001 exceed the 99th percentile for Cu in the YGS RGS database. BWAKS001 was also weakly anomalous in Pb and As.


Geologic Legend • After Gordey and Makepeace, 1999
Modified by Higgs and Wallace 2009
IES1 SKUKUM: green volcanicalistic rock, rhyolite to andesite, common diss po+py average 2% up to semi-massive, highly hornsfelsed locally with Fe staining
uJKT TANTALUS: quartz pebble conglomerate, cm scale pebbles, sand/silt matrix, clast supported
mKdW WHITEHORSE SUITE: granodiorite - equigranular, ranging from coarse grained phenocrysts, rare quartz calcite veining
uTrAK1 AKSALA: sedimentary unit, combination of quartz arenite, siltstone, contains py+po rare
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Ark Target
Figure 3 - 2009 Geologic Mapping and Station Location Map
Projection - NAD 83 UTM Zone 08N
Scale - 1: 15,000
19/02/2010
475000
476000
477000
6721000
6720000
6719000
6718000
AHAKG024
BWAKG010
AHAKG023
AHAKG022
BWAKG011
IES1
AHAKG013
AHAKG012
AHAKG021
AHAKG020
BWAKG009
BWAKG008
uJKT
AHAKG015
BWAKG004
IES1
AHAKG014
BWAKG003
uTrAK1
AHAKG011
AHAKG010
AHAKG006
AHAKG005
AHAKG004
BWAKG001
IES1
AHAKG001
AHAKG007
AHAKG003
uTrAK1
AHAKG002
BWAKG002
BWAKG005
mKdW
IES1
AHAKG009
AHAKG008
AHAKG019
BWAKG007
BWAKG006
AHAKG016
AHAKG018
AHAKG017
1800
1600
1400
1200
1000
Legend
Shear Plane
2009 Camp
Geologic Station
Approximate Contact
Defined Contact
Ibex Thrust Fault
Limit of Mapping
N
0
250
500
750
1,000
Meters

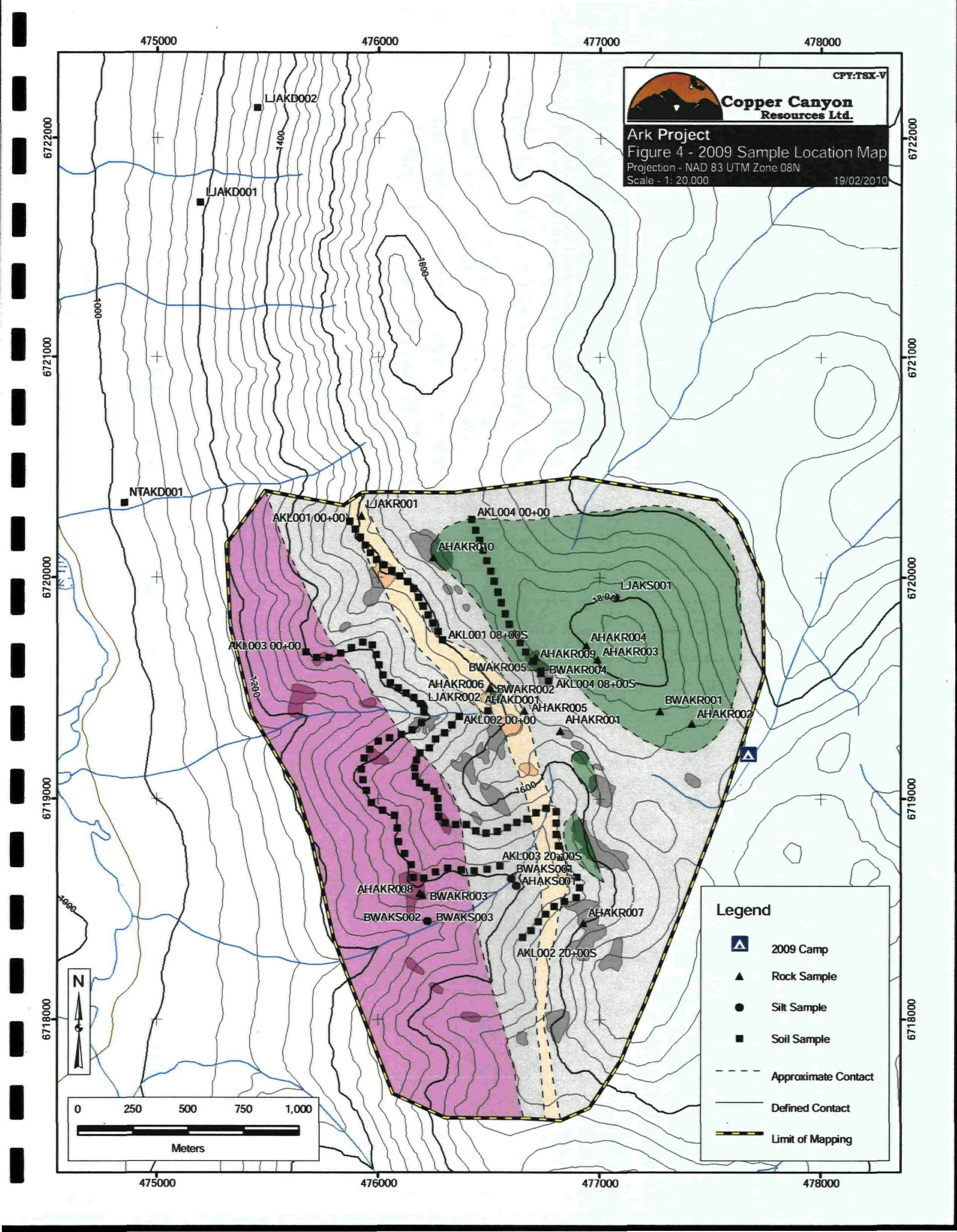
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Figure 4 - 2009 Sample Location Map
Projection - NAD 83 UTM Zone 08N
Scale - 1: 20,000
19/02/2010
475000
476000
477000
478000
6722000
6721000
6720000
6719000
6718000
LJAKD002
LJAKD001
NTAKD001
1400
1600
1800
1000
1200
1600
1800
2000
LJAKR001
AKL001 00+00
AKL004 00+00
AHAKR010
LJAKS001
AKL001 08+00S
AKL003 00+00
AHAKR004
AHAKR009
AHAKR003
BWAKR005
BWAKR004
AHAKR006
BWAKR002
AKL004 08+00S
LJAKR002
AHAKD001
AHAKR005
BWAKR001
AHAKR002
AKL002 00+00
AHAKR001
AKL003 20+00S
BWAKS001
AHAKS001
AHAKR008
BWAKR003
BWAKS002
BWAKS003
AHAKR007
AKL002 20+00S
N
0
250
500
750
1,000
Meters
Legend
2009 Camp
Rock Sample
Silt Sample
Soil Sample
Approximate Contact
Defined Contact
Limit of Mapping

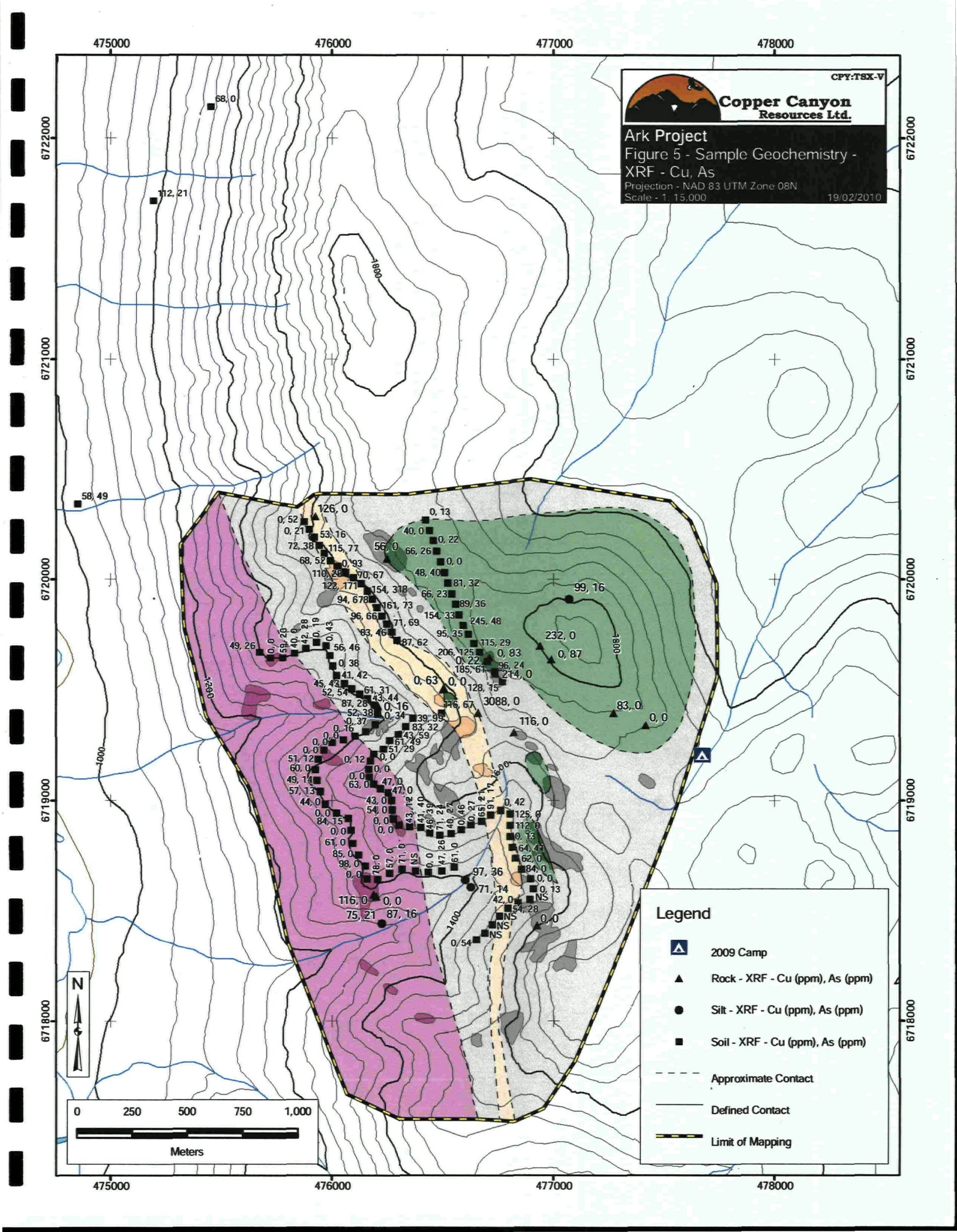
CPY:TSX-V
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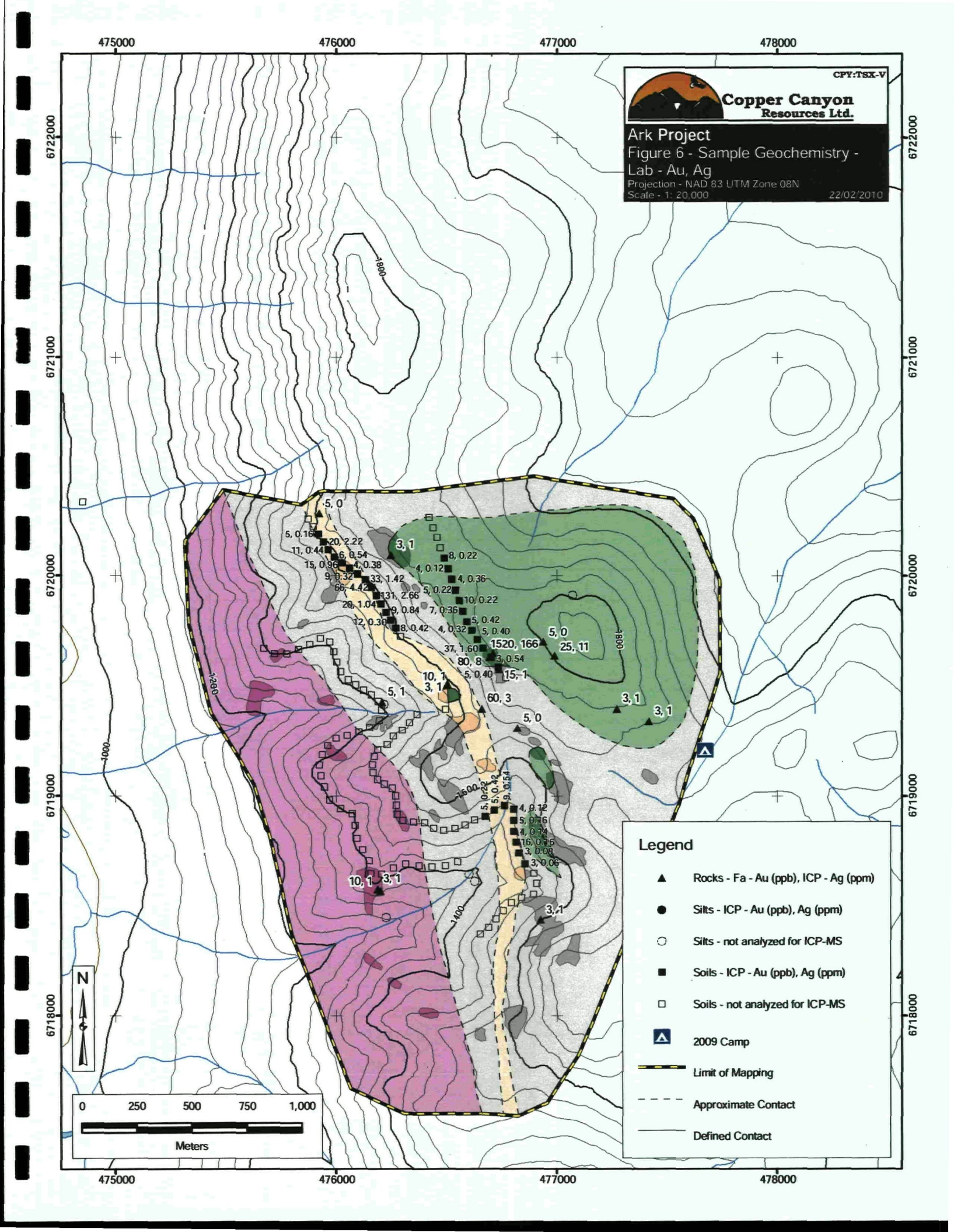
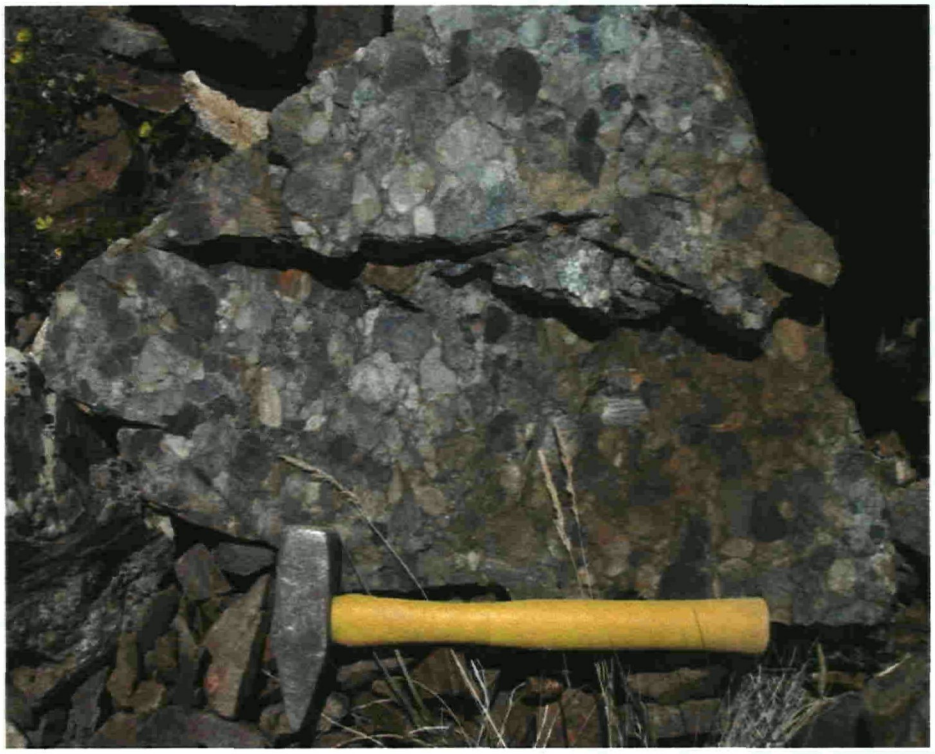
Figure 5 - Sample Geochemistry - XRF - Cu, As
Projection - NAD 83 UTM Zone 08N
Scale - 1: 15,000
19/02/2010
475000
476000
477000
478000
6722000
6721000
6720000
6719000
6718000
Legend
2009 Camp
Rock - XRF - Cu (ppm), As (ppm)
Silt - XRF - Cu (ppm), As (ppm)
Soil - XRF - Cu (ppm), As (ppm)
Approximate Contact
Defined Contact
Limit of Mapping
N
0 250 500 750 1,000
Meters


CPY:TSX-V
Copper Canyon Resources Ltd.
Ark Project
Figure 6 - Sample Geochemistry - Lab - Au, Ag
Projection - NAD 83 UTM Zone 08N
Scale - 1: 20,000
22/02/2010
475000
476000
477000
478000
6722000
6721000
6720000
6719000
6718000
1800
1600
1400
1200
1000
5, 0
5, 0.16
20, 2.22
11, 0.44
6, 0.54
15, 0.96
4, 0.38
9, 0.32
33, 1.42
66, 4.42
131, 2.66
20, 1.04
9, 0.84
12, 0.30
8, 0.42
4, 0.32
5, 0.40
37, 1.60
1520, 166
80, 8
5, 0.40
15, 1
3, 1
8, 0.22
4, 0.12
4, 0.36
5, 0.22
10, 0.22
7, 0.36
5, 0.42
5, 0
25, 11
3, 0.54
10, 1
5, 1
60, 3
5, 0
3, 1
3, 1
5, 0.28
5, 0.42
9, 0.54
4, 0.12
5, 0.16
4, 0.74
16, 0.76
3, 0.08
3, 0.06
10, 1
3, 1
3, 1
N
0
250
500
750
1,000
Meters
Legend
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
2009 Camp
Limit of Mapping
Approximate Contact
Defined Contact

Pictures

View Looking south down the Ibex Valley

Looking E-SE at typical outcrops on the ridge. The light grey unit on the left is an outcrop of volcanics and at Station BWAKG005.



Picture of Chert Pebble Conglomerate unit.

Picture of semi massive pyrrhotite and pyrite, sample AHAKR005.

CONCLUSIONS

The original rationale for assessing the Ark target area is as follows:

> A cluster of anomalous to very anomalous Au, Ag, As, Cu and Zn RGS samples occur in an area underlain predominantly by mid-Cretaceous plutons in proximal contact to upper Triassic Povoas volcanic rocks and Jurassic Laberge Group sedimentary rocks. Sizable Tertiary alaskite-bearing intrusions of the Bennett suite also underly the larger area. A number of contact zones with the mid-Cretaceous suites are associated with elevated RGS numbers, particularly Ag, Pb, Sn and possibly Mo (See Ark and Naharniak Minfile occurrences).
>
> The eastern margin of the target area is crosscut by numerous NW-trending structures which transect Laberge Group sediments and Triassic and Eocene volcanics; features that are consistent with mineralized structures associated with the Tally-Ho and Llewellyn fault systems to the south.
>
> The 2009 program would focus on an anomalous RGS cluster south and east of mineral showing 105D 089 and margins of Tertiary aged intrusions. Field work would include prospecting and geologic mapping, as well as silt and soil sampling to confirm the anomalous RGS and to attempt a mineralization source for the anomalies.

The 2009 field program was succusful in that it did verify and expand the extent and understanding of geochemical anomalies east of the Ibex river. Insitu grab samples returned up to 1520 ppb Au, 166 ppm Ag and 3624 ppm Cu. Soil and silt sampling in 2009 verified the caliber of the historical highly anomalous RGS samples. Mineralization is associated with elevated As, Bi, Pb and Sb. Prospecing and mapping activities have refined the contact relationships between the 4 main rock types in the area. The dominant style of mineralization is noted as semi-massive and disseminated sulfides associated highly hornfelsedgreenstone. The best results for gold was from a 4 cm quartz vein that contained a trace of galena hosted in the volcaniclastic unit. The best results for copper came from semi massive pyrrhotite and pyrite in a highly hornfelsed volcanic greenstone unit. Hornfelsing is prevelent in the rocks of the area attesting to the proximal contact with a middle Cretaceous pluton in the western half of the 2009 mapped area. Notably, some minor quartz stockwork veining was noted in both quartz arenite and granitoid rocks, but was consistently devoid of significant sulphide content.

The standalone results of the 2009 program are modest, but considering the small area investigated, and that it may be part of a much larger system with regional scale mineralization potential, it is reccomended that additional work be completed to determine the onstrike extent of mineralization. The Ibex river fault system represents a prime conduit for regional fluid flow in close proximity to a number of regional and local heat sources (Whitehorse suite granitoids, and Skukum and Miles Canyon volcanics). Combined with the verified mineralization associated with significant structures and potentially reactive lithologies (Tantalus and Aksala sediments, and mafic volcanic rocks), the Ibex fault system remains a highly prospective target area.

Recommendations

Follow-up work along the northwest trending Ibex Fault system is strongly recommended, particularly in areas where crosscutting east- to northeast- trending discontinuities are evident, in the vicinity of plutonic and volcanic heat sources, and where reactive lithologies are likely to be encountered. A prime example of this is where the Ibex Fault system is intersected by an 8 to 10 kilometer wide fault zone, demarcated by Fish Lake. On the south side of Fish lake, additional highly anomalous RGS samples were also examined by Lueck (1990) at the Duck prospect. Here, drainages off of Mount Granger, are underlain by contacts between mid-Cretaceous granitoids, and Laberge, Aksala and Tantalus sediments. Limestone-bearing and coal-bearing beds in the latter two units represent attractive reactive lithologies to hypothetical sulphide-bearing fluids utilizing the Ibex and Fish lake fault systems.

Future Work

At this time, there are no plans for future work on the target. Although of interest, the results of the 2009 program are not significant enough to warrant further work and efforts are better placed on other projects.

References

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Wheeler, J.O., 1961. Whitehorse map-area, Yukon Territory (105D). Geological Survey of Canada, Memoir 312, 156 p.

Appendix I – Statement of Qualifications

STATEMENT OF QUALIFICATIONS

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

1) I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia (#29239).

2) I am a graduate of the University of Manitoba with the degree of Master of Science in Geology (2001).

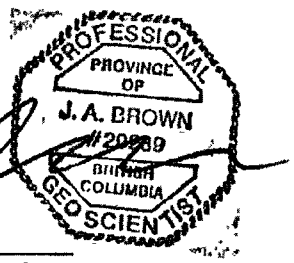
3) I am a graduate of Simon Fraser University with the degree of Bachelor of Science in Physical Geography (1997).

4) I have practiced my profession in Canada since 1998, having worked for various junior resource companies and government surveys.

5) This report is based upon a personal examination of all available company and government reports pertinent to the Ark target, located west of Whitehorse, Yukon, Canada.

6) I hold an option to purchase 200,000 common shares of Eagle Plains at $0.40 per share, and includes 95,000 reserve shares of Copper Canyon.

Dated this 19th day of March 2010, in Nelson, British Columbia.



Jarrod A. Brown, M.Sc., P. Geo.

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@eagleplains.com)

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

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

I am partly responsible for the preparation of this Technical Report entitled "YMIP Technical Report on the Ark 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: Ark Project (YMIP# 09-019)		
2009 Expenditures		
1	***no daily living allowance , accept actual expenses instead***	
2	**Travel**	
	Truck Rental	$600.00
	Truck (281 km @ $ 0 30 /km)	$84 30
	Helicopter (with fuel)	$2,036 94
3	**Analyses / Assay Costs**	$1,202.53
	Other Expenses (groceries, fuel for truck, field consumables)	$481 56
	15% Handling fees on disbursements	$544.10
4	**Equipment Rentals / Supplies**	
	Niton XRF	$2,250.00
	Field supplies for crew, GPS, pack, vests, first aid, palm, hammer (5)	$1,050 00
	Hand Held Radios (5)	$300 00
	Computer (2)	$120.00
	Printer	$60.00
	Sat. phone (2)	$180.00
	5-ton encolsed trailer	$600 00
	Chain Saw	$60.00
	Small Gas Generator	$270 00
	Large Gas Generator	$360.00
	Camp Rental	$900.00
	Shot Guns (2)	$120.00
	Digital Cameras (2)	$120.00
	Satellite Internet	$60.00
	Wages for field work	
13	Aaron Higgs, Project Geologist	$3,150.00
	Bronwyn Wallace, Senior Geologist	$2,700.00
	Glen Hendrickson, GIS Technician	$2,700 00
	Nathan Taylor, Geological Technician	$2,250.00
	Lewis Jones, Geological Technician	$2,100.00
	Report Preparation, data analysis and compilation	
	Aaron Higgs, Project Geologist	$1,250.00
	Glen Hendrickson, GIS Technician	$1,350 00
TOTAL EXPENSES		$26,899.43

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

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: $HN0_3$: 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
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	Min. %	Alteration	Alt. Degree	Rock Description
AHAKR001	AH	22/06/2009	476822.67	6719310.8			uTrAK1	Siltstone		greenish	grey green	fine						0			
AHAKR002	AH	23/06/2009	477418.24	6719344.1			uTrAK1	Arenite		grey	brownish	medium						0			
AHAKR003	AH	23/06/2009	476990.04	6719635.3			IES1	Greenstone		green	rusty		porphyritic					0			
AHAKR004	AH	23/06/2009	476941.06	6719697.8			IES1	Greenstone		green	rusty	fine-medium	porphyritic					0			
AHAKR005	AH	23/06/2009	476660.64	6719400.1			IES1	Greenstone		green	rusty	fine						0			
AHAKR006	AH	23/06/2009	476504.6	6719509.1				Greenstone		greenish	grey green	fine-medium	sheared					0			
AHAKR007	AH	24/06/2009	476928.04	6718435.4				Siltstone	Breccia	grey	grey	fine	brecciated					0			
AHAKR008	AH	24/06/2009	476187.58	6718574.4			mKW	Granodiorite		greyish	grey	medium						0			
AHAKR009	AH	25/06/2009	476711.88	6719644.8			IES1	Greenstone		green	greenish	fine-medium	amygdaloidal					0			
AHAKR010	AH	25/06/2009	476249.66	6720092.3			IES1	Greenstone										0			
BWAKR001	AH	23/06/2009	477273.26	6719399.6			IES1	Greenstone		green	rusty	fine-medium	porphyritic					0			
BWAKR002	BW	23/06/2009	476504	6719504				Sandstone		beige	grey	medium	massive					0			
BWAKR003	BW	24/06/2009	476201	6718565				Granodiorite		salt and pepper	brownish	coarse	crystalline					0			
BWAKR004	BW	25/06/2009	476738	6719572				Meta-siltstone	Hornfels	greyish	brown	medium	massive					0			
BWAKR005	BW	25/06/2009	476696	6719628				Volcaniclastic rock	Vein	grey	grey	medium	crystalline					0			
LJAKR001	LJ	22/06/2009	475923	6720286			SELECT	Volcaniclastic rock	SELECT	green	rusty	fine	volcanoclastic	SELECT	pyrite	SELECT	DISSEMINATED	1	greenstone		
LJAKR002	LJ	25/06/2009	476209	6719429			SELECT	volcanic breccia	iron formation	green	rusty	fine	volcanoclastic	SELECT	pyrite	SELECT	DISSEMINATED		greenstone		

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)*
AHAKS001	AH	22/06/2009	476626	6718608	LOW	5	4	2
BWAKS001	BW	22/06/2009	476603	6718641	VERY LOW	5	3	2
BWAKS002	BW	24/06/2009	476225	6718447	MED	5	4	4
BWAKS003	BW	24/06/2009	476225	6718447	MED	5	3	2
LJAKS001	LJ	22/06/2009	477073	6719915	VERY LOW	5	3	3
NTAKS001	NT	25/06/2009	476216	6719419	MED	5	4	4

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*
AHAKD001	AH	23/06/2009	476494 73	6719397 9								
AKL001 00+00	LJ	22/06/2009	475872	6720261	grey	brown	40 - 60	25	A	3	TALUS	
AKL001 00+50S	LJ	22/06/2009	475895 32405	6720224 623036	brown	light	40 - 60	25	A	4	TALUS	
AKL001 01+00S	LJ	22/06/2009	475918 64811	6720188 246071	grey	grey	40 - 60	25	A	2	TALUS	ROCKY
AKL001 01+50S	LJ	22/06/2009	475941 97216	6720151 869107	brown	dark	40 - 60	15	A	3	ORGANIC	N/A
AKL001 02+00S	LJ	22/06/2009	475965 29621	6720115 492143	brown	dark	40 - 60	15	A	3	ORGANIC	N/A
AKL001 02+50S	LJ	22/06/2009	475992 34224	6720082 593396	brown	black	40 - 60	15	A	3	TALUS	ROCKY
AKL001 03+00S	LJ	22/06/2009	476027 05849	6720056 862533	brown	dark	40 - 60	25	A	4	BASE OF CLIFF	N/A
AKL001 03+50S	LJ	22/06/2009	476061 77473	6720031 131669	black	dark	40 - 60	25	A	5	TALUS	N/A
AKL001 04+00S	LJ	22/06/2009	476096 49098	6720005 400805	brown	dark	40 - 60	25	A	2	ORGANIC	ROCKY
AKL001 04+50S	LJ	22/06/2009	476131 20722	6719979 669941	brown	light	40 - 60	15	A	4	TALUS	ROCKY
AKL001 05+00S	LJ	22/06/2009	476160 35972	6719948 954766	brown	light	40 - 60	15	A	4	ROCKY	BASE OF CLIFF
AKL001 05+50S	LJ	22/06/2009	476182 1331	6719911 628972	brown	light	40 - 60	5	A	2	ROCKY	TALUS
AKL001 06+00S	LJ	22/06/2009	476203 90648	6719874 303178	brown	light	40 - 60	5	A	2	ROCKY	TALUS
AKL001 06+50S	LJ	22/06/2009	476225 67986	6719836 977383	brown	light	40 - 60	15	B	4	TALUS	N/A
AKL001 07+00S	LJ	22/06/2009	476247 45324	6719799 651589	brown	dark	40 - 60	5	A	2	ROCKY	N/A
AKL001 07+50S	LJ	22/06/2009	476269 22662	6719762 325794	brown	light	40 - 60	15	A	3	ROCKY	TALUS
AKL001 08+00S	LJ	22/06/2009	476291	6719725	brown	light	40 - 60	25	B	4	TALUS	LINE_END
AKL002 00+00	LJ	23/06/2009	476367	6719373	brown	dark	40 - 60	25	B	5	ROCKY	LINE_START
AKL002 00+50S	LJ	23/06/2009	476333 42076	6719335 122653	black	dark	40 - 60	25	B	4	ORGANIC	N/A
AKL002 01+00S	LJ	23/06/2009	476299 29880	6719299 520996	black	grey	40 - 60	25	B	3	ORGANIC	N/A
AKL002 01+50S	LJ	23/06/2009	476258 29389	6719272 633648	dark	brown	40 - 60	45	B	3	ORGANIC	N/A
AKL002 02+00S	LJ	23/06/2009	476231 93064	6719230 589297	dark	brown	40 - 60	45	B	5	ORGANIC	N/A
AKL002 02+50S	LJ	23/06/2009	476188	6719209	dark	brown	40 - 60	45	B	3	ROCKY	N/A
AKL002 03+00S	LJ	23/06/2009	476173 01789	6719174 908678	dark	brown	40 - 60	45	B	5	ORGANIC	N/A
AKL002 03+50S	LJ	23/06/2009	476164 68537	6719138 815907	brown	light	40 - 60	25	B	5	ORGANIC	N/A
AKL002 04+00S	LJ	23/06/2009	476166 97332	6719101 709285	brown	dark	40 - 60	25	B	5	N/A	N/A
AKL002 04+50S	LJ	23/06/2009	476187 84987	6719072 157766	brown	dark	40 - 60	25	B	5	ORGANIC	N/A
AKL002 05+00S	LJ	23/06/2009	476219	6719052	brown	light	40 - 60	15	B	3	N/A	N/A
AKL002 05+50S	LJ	23/06/2009	476254 26316	6719033 373995	brown	dark	40 - 60	35	B	3	ORGANIC	N/A
AKL002 06+00S	LJ	23/06/2009	476269 8005	6718999 245754	brown	dark	40 - 60	35	B	5	N/A	N/A
AKL002 06+50S	LJ	23/06/2009	476272 89789	6718959 258449	grey	brown	40 - 60	15	B	3	ROCKY	N/A
AKL002 07+00S	LJ	23/06/2009	476275 86102	6718919 256245	brown	rusty	40 - 60	15	B	3	ORGANIC	N/A
AKL002 07+50S	LJ	23/06/2009	476302	6718891	brown	dark	40 - 60	25	B	5	N/A	N/A
AKL002 08+00S	LJ	23/06/2009	476351.00536	6718884 35147	black	dark	40 - 60	25	A	2	ORGANIC	SMALL_SAMPLE
AKL002 08+50S	LJ	23/06/2009	476400 23693	6718882 069933	brown	light	40 - 60	25	A	3	ROCKY	TALUS

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*
AKL002 09+00S	LJ	23/06/2009	476441 47318	6718855 727507	brown	light	40 - 60	25	B	3	ROCKY	TALUS
AKL002 09+50S	LJ	23/06/2009	476488 82432	6718845 212895	brown	light	40 - 60	5	A	2	ROCKY	TALUS
AKL002 10+00S	LJ	23/06/2009	476538	6718853	brown	dark	40 - 60	25	B	4	ORGANIC	N/A
AKL002 10+50S	LJ	23/06/2009	476584 19462	6718870 823647	brown	dark	40 - 60	25	B	3	ORGANIC	ROCKY
AKL002 11+00S	LJ	23/06/2009	476627 54615	6718894 46439	brown	dark	40 - 60	25	B	4	ORGANIC	ROCKY
AKL002 11+50S	LJ	23/06/2009	476674 69531	6718909 58322	brown	dark	40 - 60	25	B	2	ORGANIC	ROCKY
AKL002 12+00S	LJ	23/06/2009	476715 32722	6718937 607266	brown	dark	40 - 60	25	B	2	TALUS	ROCKY
AKL002 12+50S	LJ	23/06/2009	476761	6718956	brown	light	40 - 60	5	A	3	N/A	ROCKY
AKL002 13+00S	LJ	23/06/2009	476806 34076	6718942 777072	brown	light	40 - 60	25	B	4	N/A	ROCKY
AKL002 13+50S	LJ	23/06/2009	476806 08998	6718891 580297	brown	light	40 - 60	25	B	4	N/A	N/A
AKL002 14+00S	LJ	23/06/2009	476805 88497	6718840 615254	brown	light	40 - 60	5	A	4	N/A	N/A
AKL002 14+50S	LJ	23/06/2009	476816 35735	6718789 80162	brown	dark	40 - 60	25	B	3	ORGANIC	ROCKY
AKL002 15+00S	LJ	23/06/2009	476827	6718739	brown	dark	40 - 60	25	B	4	N/A	ROCKY
AKL002 15+50S	LJ	23/06/2009	476855 68815	6718688 615623	brown	grey	40 - 60	15	A	4	N/A	ROCKY
AKL002 16+00S	LJ	23/06/2009	476895 97417	6718645.737152	brown	beige	40 - 60	35	B	4	N/A	ROCKY
AKL002 16+50S	LJ	23/06/2009	476910 58803	6718599 085848	brown	light	40 - 60	15	A	3	N/A	ROCKY
AKL002 17+00S	LJ	23/06/2009	476894 60328	6718552.069239	brown	black	40 - 60	35	A	2	ORGANIC	N/A
AKL002 17+50S	LJ	23/06/2009	476840	6718535	brown	NA	40 - 60	35	B	3	ROCKY	ORGANIC
AKL002 18+00S	LJ	23/06/2009	476795 48747	6718511 524097	brown	dark	40 - 60	35	B	4	ROCKY	ORGANIC
AKL002 18+50S	LJ	23/06/2009	476758 05109	6718478 023971	brown	dark	40 - 60	35	B	3	5M PAST	ORGANIC
AKL002 19+00S	LJ	23/06/2009	476724 51646	6718440 236941	black	dark	40 - 60	35	B	3	BASE OF CLIFF	ORGANIC
AKL002 19+50S	LJ	23/06/2009	476692 14116	6718401 492383	black	brown	40 - 60	35	B	3	N/A	ORGANIC
AKL002 20+00S	LJ	23/06/2009	476652	6718371	brown	dark	40 - 60	15	A	3	LINE_END	ORGANIC
AKL003 00+00	LJ	25/06/2009	475672	6719668	brown	light	40 - 60	25	B	4	ROCKY	LINE_START
AKL003 00+50S	LJ	25/06/2009	475720 99516	6719642 001820	brown	light	40 - 60	25	B	4	ROCKY	ORGANIC
AKL003 01+00S	LJ	25/06/2009	475776 93799	6719643 734574	brown	light	40 - 60	25	B	5	N/A	N/A
AKL003 01+50S	LJ	25/06/2009	475829 47106	6719662 481327	brown	dark	40 - 60	25	A	2	ROCKY	5M BEFORE
AKL003 02+00S	LJ	25/06/2009	475879 49257	6719687 319767	brown	dark	40 - 60	25	A	2	ROCKY	ORGANIC
AKL003 02+50S	LJ	25/06/2009	475929	6719714	brown	light	40 - 60	15	A	3	ORGANIC	N/A
AKL003 03+00S	LJ	25/06/2009	475973 07138	6719699 893248	brown	light	40 - 60	15	B	4	N/A	N/A
AKL003 03+50S	LJ	25/06/2009	475990 51503	6719654 225868	brown	dark	40 - 60	25	B	3	ORGANIC	N/A
AKL003 04+00S	LJ	25/06/2009	476002.28775	6719606 058784	brown	yellow	40 - 60	25	B	3	ROCKY	ORGANIC
AKL003 04+50S	LJ	25/06/2009	476021 10188	6719560 764769	brown	light	40 - 60	25	A	1	ROCKY	TALUS
AKL003 05+00S	LJ	25/06/2009	476055	6719526	brown	light	40 - 60	15	A	1	ROCKY	TALUS
AKL003 05+50S	LJ	25/06/2009	476088 92901	6719502.202634	brown	light	40 - 60	15	A	2	ROCKY	TALUS
AKL003 06+00S	LJ	25/06/2009	476124 27954	6719480 748557	brown	light	40 - 60	25	B	3	ORGANIC	N/A

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*
AKL003 06+50S	LJ	25/06/2009	476160 58034	6719460 966802	brown	light	40 - 60	25	C	3	ROCKY	N/A
AKL003 07+00S	LJ	25/06/2009	476191 0957	6719432 925666	brown	light	40 - 60	25	C	3	ROCKY	N/A
AKL003 07+50S	LJ	25/06/2009	476206	6719395	grey	light	40 - 60	5	A	1	ROCKY	TALUS
AKL003 08+00S	LJ	25/06/2009	476195 05474	6719345 316822	brown	NA	40 - 60	15	B	3	N/A	N/A
AKL003 08+50S	LJ	25/06/2009	476152 51066	6719312 981203	brown	NA	40 - 60	15	A	1	ORGANIC	ROCKY
AKL003 09+00S	LJ	25/06/2009	476103 29661	6719291 353207	brown	dark	40 - 60	25	A	2	ORGANIC	ROCKY
AKL003 09+50S	LJ	25/06/2009	476051 76938	6719275 765698	brown	dark	40 - 60	25	B	3	ROCKY	ORGANIC
AKL003 10+00S	LJ	25/06/2009	476000	6719261	brown	dark	40 - 60	25	A	2	ORGANIC	N/A
AKL003 10+50S	LJ	25/06/2009	475963 14963	6719227 125784	brown	dark	40 - 60	25	A	3	ORGANIC	ROCKY
AKL003 11+00S	LJ	25/06/2009	475935 97024	6719184 415324	grey	dark	40 - 60	25	A	3	ORGANIC	N/A
AKL003 11+50S	LJ	25/06/2009	475924 92935	6719135 497476	brown	dark	40 - 60	35	B	4	ORGANIC	N/A
AKL003 12+00S	LJ	25/06/2009	475931 93636	6719086 332069	brown	dark	40 - 60	25	B	4	ROCKY	N/A
AKL003 12+50S	LJ	25/06/2009	475947	6719038	brown	light	40 - 60	25	B	3	ROCKY	N/A
AKL003 13+00S	LJ	25/06/2009	475970 37545	6718981 702593	brown	light	40 - 60	25	A	2	ROCKY	N/A
AKL003 13+50S	LJ	25/06/2009	476019 55541	6718945 698922	brown	light	40 - 60	25	B	3	ROCKY	N/A
AKL003 14+00S	LJ	25/06/2009	476074 56496	6718922 929307	brown	light	40 - 60	35	B	4	ROCKY	N/A
AKL003 14+50S	LJ	25/06/2009	476086 44164	6718868 659776	brown	light	40 - 60	35	B	4	ORGANIC	N/A
AKL003 15+00S	LJ	25/06/2009	476093	6718808	brown	light	40 - 60	35	B	4	ORGANIC	N/A
AKL003 15+50S	LJ	25/06/2009	476120 67523	6718754 726986	brown	light	40 - 60	15	A	2	ORGANIC	N/A
AKL003 16+00S	LJ	25/06/2009	476150 15032	6718704.017994	brown	light	40 - 60	15	A	1	ORGANIC	ROCKY
AKL003 16+50S	LJ	25/06/2009	476157 31651	6718644 913653	brown	light	40 - 60	35	B	4	N/A	ROCKY
AKL003 17+00S	LJ	25/06/2009	476206 18303	6718641 757246	brown	light	40 - 60	15	A	1	N/A	ROCKY
AKL003 17+50S	LJ	25/06/2009	476259 51640	6718669 377866	brown	light	40 - 60	15	A	2	N/A	ROCKY
AKL003 18+00S	LJ	25/06/2009	476315 52913	6718688 674616	brown	dark	40 - 60	15	A	2	N/A	ORGANIC
AKL003 18+50S	LJ	25/06/2009	476375 10151	6718681 012543	brown	dark	40 - 60	25	B	4	N/A	ROCKY
AKL003 19+00S	LJ	25/06/2009	476434 79817	6718674 379581	brown	red	40 - 60	25	A	1	ORGANIC	ROCKY
AKL003 19+50S	LJ	25/06/2009	476494 31595	6718681 292074	brown	red	40 - 60	25	A	1	ORGANIC	ROCKY
AKL003 20+00S	LJ	25/06/2009	476552	6718697	brown	grey	40 - 60	25	A	1	ORGANIC	LINE_END
AKL004 00+00	LJ	26/06/2009	476422	6720268	brown	light	0 - 20	25	B	3	ROCKY	LINE_START
AKL004 00+50S	LJ	26/06/2009	476439 2	6720220 4	brown	light	0 - 20	25	B	3	ROCKY	N/A
AKL004 01+00S	LJ	26/06/2009	476456 4	6720172 8	brown	dark	0 - 20	25	B	3	ROCKY	N/A
AKL004 01+50S	LJ	26/06/2009	476473 6	6720125 2	brown	light	0 - 20	25	B	4	ORGANIC	N/A
AKL004 02+00S	LJ	26/06/2009	476490 8	6720077 6	brown	dark	0 - 20	25	B	3	ORGANIC	N/A
AKL004 02+50S	LJ	26/06/2009	476508	6720030	brown	rusty	0 - 20	15	B	3	ORGANIC	ROCKY
AKL004 03+00S	LJ	26/06/2009	476524 6	6719982 8	brown	dark	0 - 20	15	B	2	ROCKY	N/A
AKL004 03+50S	LJ	26/06/2009	476541 2	6719935 6	brown	dark	0 - 20	15	B	2	ROCKY	N/A

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*
AKL004 04+00S	LJ	26/06/2009	476557 8	6719888 4	brown	dark	0 - 20	15	B	2	ROCKY	N/A
AKL004 04+50S	LJ	26/06/2009	476574 4	6719841 2	brown	dark	0 - 20	25	B	4	N/A	N/A
AKL004 05+00S	LJ	26/06/2009	476591	6719794	brown	rusty	0 - 20	25	B	4	ORGANIC	N/A
AKL004 05+50S	LJ	26/06/2009	476616	6719752	brown	dark	0 - 20	15	A	2	ORGANIC	N/A
AKL004 06+00S	LJ	26/06/2009	476641	6719710	brown	dark	0 - 20	15	A	4	ORGANIC	5M BEFORE
AKL004 06+50S	LJ	26/06/2009	476666	6719668	brown	light	0 - 20	5	A	2	ROCKY	N/A
AKL004 07+00S	LJ	26/06/2009	476700 33333	6719624	brown	light	20 - 40	5	A	2	ROCKY	TALUS
AKL004 07+50S	LJ	26/06/2009	476734 66667	6719580	brown	dark	20 - 40	25	B	2	ORGANIC	N/A
AKL004 08+00S	LJ	26/06/2009	476769	6719536	brown	rusty	20 - 40	25	B	3	ROCKY	LINE_END
NTAKD001	NT	24/06/2009	474852	6720341	light	brown	20 - 40	20	B	4	ORGANIC	ROCKY

Appendic V – Analytical Certificates

5.1 Rock Samples
5.2 Soil and Silt Samples

5.1 Rock Samples

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Geochemical & Assay

CERTIFICATE OF ASSAY AK 2010-0020

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

18-Jan-10

No. of samples received: 2
Sample Type: Rock
Project: AK
Shipment #: AK09-001
Submitted by: Chris Gallagher

ET #.	Tag #	Au (g/t)	Au oz/t)	Ag (g/t)	Ag oz/t)
1	8087-5	0.06	0.002	2.9	0.09
2	8087-9	1.52	0.044	166	4.84
QC DATA:					
Repeat:					
1	8087-5			3.1	0.09
2	8087-9			170	4.96
Standard:					
OXI67		1.81	0.053		
PB129				24.2	0.71
Pb104				103	3.00

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

NM/nw
XLS/10

All business is undertaken subject to the Company's General Conditions of Business which are available on request. Registered Office Eco Tech Laboratory Ltd 2953 Shuswap Road, Kamloops BC V2H 1S9 Canada

[redacted]

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10041 Dallas Drive
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V2C 6T4

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

ICP CERTIFICATE OF ANALYSIS AK 2010-0020

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

No of samples received: 2
Sample Type: Rock
Project: AK
Shipment #: AK09-001
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	8087-5	2.9	0 78	<5	<5	75	0.55	8	112	37	3624	>10	10	0.77	166	<1	0.05	129	680	20	10	<20	8	0.02	<10	77	10	3	83
2	8087-9	>30	0.65	85	15	350	4.29	<1	7	234	11	0.88	<10	0.90	1005	<1	0.01	81	480	690	20	<20	113	<0.01	<10	26	<10	3	22
QC DATA:																													
Repeat:																													
1	8087-5	3 1	0.78	<5	<5	75	0.54	8	114	37	3582	>10	10	0.77	164	<1	0.05	131	680	20	10	<20	8	0.02	<10	76	10	3	84
Standard:																													
Pb129a		12.1	0.83	5	65	<5	0.41	56	6	12	1426	1 57	<10	0.69	341	2	0 03	5	410	6152	15	<20	30	0.03	<10	19	<10	2	9973

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

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

NM/nw
XLS/10

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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

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4-Feb-10

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Phone: 250-573-5700
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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 #
AHAKR001	8087-1
AHAKR002	8087-2
AHAKR003	8087-3
AHAKR004	8087-4
AHAKR005	8087-5
AHAKR006	8087-6
AHAKR007	8087-7
AHAKR008	8087-8
AHAKR009	8087-9
AHAKR010	8087-10
BWAKR001	8087-13
BWAKR002	8087-14
BWAKR003	8087-15
BWAKR004	8087-16
BWAKR005	8087-17
LJAKR001	8087-11
LJAKR002	8087-12

5.2 Soil and Silt Samples

18-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- 0022

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

No. of samples received: 35
Sample Type: Soil
Project: AK
Shipment #: AK09-001
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	AKL00402+00S	8.2	0.2	1.95	21.6	90.0	0.82	0.36	0.49	11.9	54.5	41.7	2.98	6.4	55	0.07	8.5	0.91	529	1.01	0.042	36.4	894	23.94	0.14	0.90	1.5	0.4	38.0	0.46	0.5	0.040	0.16	0.7	70	1.2	82.6
2	AKL00402+50S	4.4	0.1	2.08	38.4	68.5	1.40	0.38	0.37	15.5	96.5	58.0	2.84	5.3	20	0.13	7 5	1.33	361	0.71	0.068	80.2	486	13 27	0.08	1.90	2.9	0.4	36.0	0.96	1.7	0.091	0.28	0.5	62	3.4	64.5
3	AKL00403+00S	4 4	0.4	2.13	27.8	96.0	1 08	0.45	0.60	13.6	79.0	52.8	2 87	6.1	50	0.12	8.5	1.12	487	0 98	0.052	54.1	829	26.29	0.14	1.16	1.6	0.4	44.5	0.74	0.6	0.049	0.24	0.7	66	1.8	75.7
4	AKL00403+50S	4.6	0.2	1.88	23.8	115.0	1.16	0.50	0 27	11.3	71.0	43.1	2.81	6.0	60	0.09	7.5	1.01	529	1.08	0.046	47.3	867	22.19	0.14	0.84	1.1	0.4	44.0	0.66	0.3	0.034	0.18	0.8	62	1.3	70.5
5	AKL00404+00S	9.6	0.2	2.01	33.8	110.5	1.62	0.49	0.32	15.8	100.0	61.0	3.12	6.4	50	0.12	7.0	1.42	546	0.97	0.055	72.6	650	18.37	0.14	1.00	2.2	0.4	46.0	1.02	0.7	0.059	0.26	0 7	72	3.9	72.3
6	AKL00404+50S	7.2	0.4	3.63	32.9	189.0	8.88	0.87	0.28	33.5	312.5	189.0	5.27	9.8	25	0.61	6 5	3.60	722	0.64	0 107	206.6	531	19.38	0.36	1.34	6.9	0.8	106.0	10.18	1.5	0.152	0.98	0.6	130	25.8	96.9
7	AKL00405+00S	4 6	0.4	3.29	42 3	130.0	6.18	0.64	0.32	34.8	184.0	242.1	5.04	9.1	30	0.26	8.0	2.48	765	1.12	0.077	175.3	876	15.62	0.14	1.78	3.8	0.9	52.5	4.70	1.8	0.115	0.52	0.8	100	2.8	86.7
8	AKL00405+50S	4.4	0.3	2.43	37.6	90.5	3.32	0.56	0.25	18.7	140.5	86.9	3.47	6.6	40	0.13	8.0	1.77	533	0.85	0.072	95.6	789	18.95	0.16	1.78	2.5	0.6	46.5	2.12	0.7	0.074	0.36	0.5	80	4.2	72.8
9	AKL00406+00S	4.8	0.4	2.28	33.1	97.0	3.02	0.76	0.46	16.5	134.0	88.7	3.15	6.3	35	0.18	7.0	1.71	469	0.80	0.068	92.1	814	47.05	0.18	1.60	1.7	0.5	69.5	2.40	0.4	0.051	0.36	0.5	72	1.9	70.5
10	AKL00406+50S	37 0	1.6	4.76	109.5	206.0	4 76	1.36	2.39	63.3	519.5	206.6	6.51	15.4	25	1.32	6.0	6.28	1763	0.38	0.068	462.7	745	165 00	0.08	2.66	14.7	0.6	63.0	4.12	1.3	0.139	1.88	0.3	172	0.6	322.3
11	AKL00407+00S	3.2	0.5	1.94	35.3	128.0	34.20	0.95	0.27	23.0	152.0	92.8	2.77	4.9	30	0.43	3.0	1.93	489	0.39	0.077	137.1	632	12.44	0.12	1.50	3.0	0 4	70.0	27.12	0.8	0.047	0.50	0.3	62	5.7	50.2
12	AKL00407+50S	5.2	0.4	1 37	17 3	66.0	1.20	0.62	0.20	31.2	87.0	77.1	2.48	3.7	90	0.10	4.5	0.96	863	0.70	0.050	67.0	1059	10.50	0.24	0.76	1.5	0.4	51.0	0 98	0.4	0.031	0.28	0.4	46	1.5	36.7
13	AKL00101+00S	4.6	0.2	1.14	13 9	107.0	0.18	0.31	0.74	12.7	27.5	31.3	2 34	3.6	10	0 06	13.5	0.47	325	0.91	0.028	40.9	486	15 89	0.02	0.36	2.7	0.4	20.5	0 06	2.1	0.005	0.04	0.3	18	<0.1	111.1
14	AKL00101+50S	20.0	2.2	1.38	42.7	394.0	0.42	3.02	2.46	20.9	172.0	53.4	2.73	3.7	45	0.16	6.5	1.86	972	1.21	0.042	150.7	1189	55.16	0 20	1.00	4.0	0 6	145.0	0.12	0.7	0.014	0.10	0.6	48	0.3	122.1
15	AKL00102+00S	10.8	0.4	1.24	67.0	83.0	0.36	4.18	1.85	13.7	95 0	56.0	2.21	3.5	40	0.08	5.0	1.14	710	0.91	0.046	80.2	781	38.49	0 18	1.30	2.4	0.7	93.5	0.20	0.4	0.023	0 12	0.4	48	4 8	99.5
16	AKL00102+50S	6.0	0.5	1.43	45.2	339.5	0.76	1.51	2.26	17.3	109.5	52.7	2.52	4.3	25	0.16	10.0	1.06	580	3.30	0.052	93.6	996	33.80	0.10	1.64	4.9	0.7	101.0	0.36	2.0	0.022	0.12	0.7	48	3.1	124.1
17	AKL00103+00S	15.4	1.0	1.22	110.3	89.0	0.92	0.22	0.49	7.0	60.5	41.4	3.00	4.6	25	0.11	9.0	0.50	226	2.28	0.040	33.8	794	33.86	0.18	2.18	0.9	0.9	39.5	0.38	0.3	0.012	0.12	0.7	44	0.4	69.4
18	AKL00103+50S	4.0	0.4	1 45	20.3	169.5	0.76	0.69	0 56	9.7	43.0	67 1	2 39	4.7	15	0.07	12.5	0.71	275	5.44	0.043	49.3	435	38.02	0.04	1.66	4.7	0 8	51.5	0.32	3.4	0.004	0.08	1.1	60	0.3	98.9
19	AKL00104+00S	9.4	0.3	1.74	49.5	94.5	0.42	1.70	3.13	21.6	299.0	48.3	2.98	4.8	30	0.11	4.5	2.23	732	1.28	0.043	160.9	799	32.90	0.12	1.22	4.5	0.4	57.5	0.20	0.7	0.032	0.08	0.4	66	0.2	150.8
20	AKL00104+50S	32.8	1.4	2.81	205.3	93.5	2.26	3.57	9.44	36.1	532.0	111.5	5 66	7.6	20	0.14	5.5	3.98	1326	1.92	0.045	301.7	964	154.10	0.10	2.22	11.6	0.7	122.0	0.56	1.4	0.019	0.14	0.5	118	0.1	586.5
21	AKL00105+00S	66 0	4.4	2.42	372.0	162.0	5 52	0.66	15 74	40.4	417.0	167 2	6.19	6.7	80	0.14	8.5	3.22	1741	2.41	0.043	300.3	971	303.30	0.22	3.72	11 4	1.0	98.0	0.74	2.7	0.012	0.14	0.6	92	0.5	1113.0
22	AKL00105+50S	131.0	2.7	1.19	673.7	134.5	4.56	0.95	6 47	23.3	194.0	86.8	5.16	3.7	30	0 22	4.5	1.43	463	3.71	0.031	177.9	600	290.50	0.42	5.98	7 2	1.1	234.0	0.36	3.3	0.001	0.14	0.4	42	0.9	555.1
23	AKL00106+00S	19.8	1.0	2.10	68.0	138.5	1.68	0.76	5.75	18.7	110.5	127.7	3 89	6.5	45	0.35	8.0	1.84	852	0.73	0.081	89.7	903	89.69	0.06	1.16	4 2	0.5	66.0	1.08	1.7	0.101	0.46	0.6	76	0.8	453.7
24	AKL00106+50S	9.4	0.8	1.84	71.7	101 5	3.76	0.76	3.84	16.0	81 0	87 9	3.57	6.1	15	0.15	9.0	1 42	813	0.70	0.072	62.9	638	94.39	0.08	0.96	3 6	0.4	60.0	2.12	1.9	0.090	0.24	0.7	70	1.1	415.1
25	AKL00107+00S	11.8	0.3	1.61	79.1	73.0	1.14	0.42	2.06	19.1	110.5	53.5	3 29	5 6	5	0.09	5.5	1.40	608	1.34	0.049	81.3	379	49.03	0.06	2.38	3.8	0.4	34.0	0.64	1 3	0.051	0 12	0.4	66	1.0	223.6
26	AKL00107+50S	7 8	0.4	2 26	34.7	113.5	1.34	0.76	1.27	21.6	109.5	83.5	3.42	6.3	25	0.21	9.5	1.58	644	0.84	0.086	87.1	713	41 56	0.08	1.40	3.5	0.4	62.0	0.92	2.4	0.095	0.32	0.8	80	3.4	116.0
27	AKL00111+50S	5.0	0.2	0.87	11.2	240.0	0.14	1 25	5.82	11 2	18.0	23 2	1.46	2.6	45	0.13	6.5	0.40	740	0.93	0.043	23.3	1020	15.43	0.10	0.52	1 0	0.3	90 5	0.08	0.5	0.018	0.06	0.6	26	0.2	111.1
28	AKL00112+00S	5.0	0.4	1.25	19.0	250.5	0.26	1.42	3.39	22.4	30.0	46 1	2.43	3.7	65	0.13	11.0	0.55	1295	1.90	0.042	42.1	1244	32.79	0.12	1.02	2.8	0.7	100.5	0.08	1.8	0.013	0.06	1.0	34	0.2	111.2
29	AKL00112+50S	8 8	0.5	1.07	45.5	161.5	0 32	0.41	1.76	13.5	28.5	42.6	2.46	3.8	20	0.12	14.5	0.48	393	3.11	0.030	43.0	505	47.48	0.04	2.18	3.1	0.9	42.0	0.12	2.9	0.001	0 06	0.7	30	0.1	112.1
30	AKL00113+00S	4 4	0.1	2.72	5.9	135.5	0 08	1.26	0.23	33.0	355.5	96.1	3.81	6.4	15	0.15	6.5	5.25	798	0.33	0.038	375.8	835	10.63	0.04	0.22	3.1	0.2	73.0	0.06	1.7	0.052	0.10	0.5	76	0.2	42.5

ECO TECH LABORATORY LTD. **ICP CERTIFICATE OF ANALYSIS AK 2010- 0022** **BOOTLEG EXPLORATION INC.**

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
31	AKL00113+50S	5.0	0.2	2.51	11.1	126.0	0.12	0.91	0.17	29.6	323.0	76.9	3.83	6.3	<5	0.11	6.5	4.55	717	0.62	0.037	313.5	800	11.70	0.04	0.56	3.3	0.2	58.0	0.04	1.7	0.062	0.08	0.6	74	0.2	47.6
32	AKL00114+00S	4.2	0.1	1.56	11.6	148.0	0.14	0 66	0.16	15.8	125.5	33.9	2.86	4.8	20	0.07	7.5	1.67	521	0.66	0.036	115.2	481	9.19	0.04	0.54	2.7	0.2	46.5	0.08	1.6	0.060	0.06	0.5	54	0.3	43.7
33	AKL00114+50S	15.8	0.2	2.28	35.6	143.0	0.08	0 81	0.14	26.4	406.0	65.1	3.74	6.0	5	0.09	7.0	3.87	660	0.65	0.038	252.9	898	12.86	0.04	0.92	4.5	0.2	92.0	0.04	1 8	0.046	0.06	0.5	78	0.2	49.1
34	AKL00115+00S	3.2	0.1	1.74	4.3	65.5	0.08	0 70	0.15	19.0	180.5	38.4	2.89	5.2	5	0.09	7.5	2.44	549	0.29	0.035	169.2	606	5.87	0.04	0.16	3.6	0.2	25.5	0.02	1.5	0.031	0.04	0.5	52	0.1	35.1
35	AKL00115+50S	3.2	0.1	2.70	5.6	45.0	0.06	1.24	0.09	33.4	503.0	82.4	3.98	7.3	<5	0.11	7 0	5.01	724	0.82	0.036	346.0	1082	8.60	0.02	0.26	3.1	0.2	49.5	0.02	1.7	0 063	0.12	0.5	88	0.2	46.3
QC DATA:																																					
Repeat:																																					
1	AKL00402+00S	4.0	0.2	1.76	20.2	81.5	0 72	0 33	0.44	10.7	49.0	37.6	2.66	5.8	50	0.07	7.0	0.81	476	0.93	0.042	32.8	843	22.25	0.14	0 80	1.2	0.3	34.0	0.44	0.3	0.039	0.16	0.7	62	1.7	75.6
10	AKL00406+50S	28.8	1.8	5.19	114.4	227.0	5.74	1 51	2.63	69.4	567 5	229.3	7.03	16.7	25	1.42	6.5	6.77	1815	0.42	0.076	503.8	823	172.20	0.08	4.16	15.4	1.0	68.5	5.16	1.5	0.211	1.88	0.3	190	1.1	351.3
19	AKL00104+00S	7 8	0.3	1.50	44.5	97.5	0 42	1 77	2.97	19 2	236.5	45.8	2.69	4.1	30	0.11	4.5	1.91	681	1 19	0.047	134.3	799	33.03	0.12	1.12	3.5	0.4	59.5	0.18	0.5	0 028	0.08	0.4	56	0.4	133.1
28	AKL00112+00S	6.8	0 5	1.36	21 1	276.0	0.28	1 63	3.89	24 6	32.0	51.3	2.56	4.1	75	0 14	12.0	0.59	1400	2.09	0.045	45.5	1308	38.63	0.14	1.20	2.8	0.8	116.0	0.10	1 9	0 017	0.06	1.1	34	0.2	121.1
Standard:																																					
OXE74		634	0.1	1.79	1.4	68.0	0.02	0 90	0 03	21.5	57.5	28.7	3 49	6.4	<5	0.39	13.5	1 53	483	1.71	0 756	82.7	1069	11.90	0.08	0.02	1.5	0.2	184.5	0.04	1.9	0.403	0.06	0.7	55	0.2	46.8

Aqua Regia Digest/ICPMS Finish

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

NM/nw
df/msr13AuS
XLS/10

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- 0041

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

No. of samples received: 3
Sample Type: Soil/Silt
Shipment #: AK09-003
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	BWAKS001	15.0	0.50	2.84	37.3	141.5	0.42	1.03	0.67	30.2	339.0	100.2	4.22	6.7	30	0.20	7.0	4.87	553	0.74	0.071	346.0	1167	34.95	0.06	0.74	3.8	0.5	61.5	0.10	2.1	0.072	0.14	0.7	84	0.3	111 2
2	NTAKD001	16.0	0.80	2.12	67.2	264.5	0.62	2.43	1 93	26.5	247.0	74.4	4 31	6.0	40	0.15	8.5	3.29	902	1.42	0.070	210.0	1253	54.90	0.12	1.30	7.0	0.9	124.0	0.10	1.8	0.036	0.08	0.5	80	0.1	207.6
3	LJAKD001	5.6	0.16	2.02	20.6	141.0	0.28	1.92	0.82	24 8	125.0	90.8	3.94	6.8	55	0.11	7.5	2.26	1002	1.62	0.067	113 8	1247	17 33	0.10	1.00	5.7	1.1	61.5	0.06	1.0	0.073	0.08	0.6	88	0.2	90.5
QC DATA:																																					
Repeat:																																					
1	BWAKS001	26.6	0.38	2.83	36.4	144.5	0.40	1.04	0.69	29.9	344 5	95.4	4 23	6.6	25	0.20	7.5	4.86	549	0.74	0.069	340.6	1156	34.45	0.08	0.70	4 2	0.6	62.0	0.10	1.9	0.080	0.14	0.7	84	0.4	111.2
Standard:																																					
OXE74		638.4	0.08	1.70	1.3	67.5	<0.02	0.81	0.03	21 6	58.5	31.0	3.41	6.2	10	0.39	13.0	1.56	495	1.64	0.685	81.7	1012	14.99	0.04	0.02	1.3	0.2	178.5	0 02	2.0	0.401	0.06	0 6	56	0.1	49.0

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
AHAKG001	22/06/2009	outcrop	1686	477428	6719079.9	GPS	2	
AHAKG002	22/06/2009	outcrop	1657	477041	6718989.9	GPS	1	
AHAKG003	22/06/2009	outcrop	1653	477027	6719037.9	GPS	1	fault plane/shear zone (1.5 m wide), possible local silica alt
AHAKG004	22/06/2009	outcrop	1633	476933	6719165.3	GPS	2	3% mafic phenocrysts, cm scale calcite-chlorite veining
AHAKG005	22/06/2009	outcrop	1654	476883	6719269.4	GPS	1	5py within uTrAK1
AHAKG006	22/06/2009	outcrop	1661	476823	6719310.8	GPS	2	mm scale sheeted qtz veins w/ up to 10-15 vn/m, possible minor sericite on envelope
AHAKG007	22/06/2009	outcrop	1616	476486	6719025	GPS	2	fissile mudstone with minor qtz veining, no sulphides
AHAKG008	22/06/2009	outcrop	1457	476823	6718637.7	GPS	3	contact between chert pebble conglomerat and siltsonte but the contacts are quite complicated and siltstone returns soon after
AHAKG009	22/06/2009	outcrop	1607	477012	6718745.4	GPS	2	
AHAKG010	23/06/2009	outcrop	1722	477418	6719344.1	GPS	1	medium grained quartz arenite with 0 5 cm qtz vein with 5% sph
AHAKG011	23/06/2009	outcrop	1750	477273	6719399.6	GPS	1	10% mafic clasts and 2-5% py-po
AHAKG012	23/06/2009	outcrop	1798	476990	6719635.3	GPS	1	3 cm quartz vein with minor sulphide, aspy? Gn?
AHAKG013	23/06/2009	outcrop	1804	476941	6719697 8	GPS	1	
AHAKG014	23/06/2009	subcrop	1660	476661	6719400.1	GPS	1	massive sulphide, within 25 m of fault structure
AHAKG015	23/06/2009	outcrop	1578	476505	6719509.1	GPS	2	very sheared o/c
AHAKG016	24/06/2009	outcrop	1591	476928	6718435 4	GPS	4	resembled some sort of dyke, large well formed fledspar crystals with dark fg matrix, trace gn diss in unit
AHAKG017	24/06/2009	outcrop	1600	476822	6718001 5	GPS	3	
AHAKG018	24/06/2009	outcrop	1497	476419	6718005 5	GPS	2	
AHAKG019	24/06/2009	outcrop	1324	476188	6718574.4	GPS	2	
AHAKG020	25/06/2009	outcrop	1744	476713	6719613 9	GPS	2	outcrop of outer extent of volcanics, not hornsfelsed as strongly
AHAKG021	25/06/2009	outcrop	1744	476712	6719644 8	GPS	2	4 cm qtz vn with trace gn
AHAKG022	25/06/2009	outcrop	1692	476316	6719969 5	GPS	4	
AHAKG023	25/06/2009	float	1711	476250	6720092.3	GPS	1	float/subcrop sample of 1 cm qtz vein in unaltered volcanics, this type/phase of veining common in area ~400m strike length
AHAKG024	25/06/2009	outcrop	1713	476181	6720149.7	GPS	1	
BWAKG001	22/06/2009	outcrop	1624	476670	6719130.5	GPS	4	
BWAKG002	22/06/2009	outcrop	1508	476268	6718893.7	GPS	1	
BWAKG003	23/06/2009	outcrop	1641	476583	6719349	GPS	12	
BWAKG004	23/06/2009	outcrop		476504	6719504	GPS	12	
BWAKG005	24/06/2009	outcrop		476913	6718858	GPS	8	
BWAKG006	24/06/2009	outcrop		476927	6718498	GPS	9	minor rusty shale at base

Station Number	Date (dd/mm/yyyy)	Type	Elevation (m)	Easting (m)	Northing (m)	Location Method	GPS Accuracy (m)	Comments
BWAKG007	24/06/2009	outcrop		476201	6718565	GPS	10	
BWAKG008	25/06/2009	outcrop		476738	6719572	GPS	10	30m by 5m outcrop, no sedimentary structures, hornfels
BWAKG009	25/06/2009	outcrop		476696	6719628	GPS	10	rhyolite to andesite, quartz vein has perfect cm size euhedral crystals, vein margins are altered - possibly actinolite
BWAKG010	25/06/2009	outcrop		476044	6720096	GPS	11	cm size quartz pebbles, clast supported
BWAKG011	25/06/2009	outcrop		476263	6719785	GPS	8	

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
AHAKG001	AH	22/06/2009	outcrop	uTrAK1	Siltstone	dark	grey	fine					0		
AHAKG002	AH	22/06/2009	outcrop	uJKT	Conglomerate	green	greenish						0		
AHAKG003	AH	22/06/2009	outcrop		Contact - Lithologic								0		
AHAKG004	AH	22/06/2009	outcrop	lES1	Greenstone	green	grey green	fine	amygdaloida 1				0		
AHAKG005	AH	22/06/2009	outcrop	uTrAK1	Quartzite								0		
AHAKG006	AH	22/06/2009	outcrop	uTrAK1	Siltstone	greenish	grey green	fine					0		
AHAKG007	AH	22/06/2009	outcrop		Mudstone	black	black	very fine	fractured				0		
AHAKG008	AH	22/06/2009	outcrop	uTrAK1	Contact - Lithologic								0		
AHAKG009	AH	22/06/2009	outcrop		Arenite	grey	grey	medium	porphyritic				0		
AHAKG010	AH	23/06/2009	outcrop	uTrAK1	Arenite	grey	brownish	medium					0		
AHAKG011	AH	23/06/2009	outcrop	lES1	Greenstone	green	rusty	fine-medium	porphyritic				0		
AHAKG012	AH	23/06/2009	outcrop	lES1	Greenstone	green	rusty		porphyritic				0		
AHAKG013	AH	23/06/2009	outcrop	lES1	Greenstone	green	rusty	fine-medium	porphyritic				0		
AHAKG014	AH	23/06/2009	subcrop	lES1	Greenstone	green	rusty	fine					0		
AHAKG015	AH	23/06/2009	outcrop		Greenstone	greenish	grey green	fine-medium	sheared				0		
AHAKG016	AH	24/06/2009	outcrop		Siltstone	grey	grey	fine	brecciated				0		
AHAKG017	AH	24/06/2009	outcrop		Siltstone	grey	grey	fine					0		
AHAKG018	AH	24/06/2009	outcrop	mKW	Quartz Diorite	grey	grey	medium	crystalline				0		
AHAKG019	AH	24/06/2009	outcrop	mKW	Granodiorite	greyish	grey	medium					0		
AHAKG020	AH	25/06/2009	outcrop	lES1	Greenstone	greenish	green	fine-medium	amygdaloida 1				0		
AHAKG021	AH	25/06/2009	outcrop	lES1	Greenstone	green	greenish	fine-medium	amygdaloida 1				0		
AHAKG022	AH	25/06/2009	outcrop	uTrAK1	Arenite	grey	pinkish	medium					0		
AHAKG023	AH	25/06/2009	float	lES1	Greenstone								0		
AHAKG024	AH	25/06/2009	outcrop	uTrAK1	Siltstone	grey	brownish	fine					0		
BWAKG001	BW	22/06/2009	outcrop		Conglomerate	grey	dark	pebble					0		
BWAKG002	BW	22/06/2009	outcrop		Granodiorite	greenish	brown	medium-coarse	crystalline				0		
BWAKG003	BW	23/06/2009	outcrop		Conglomerate	grey	grey	pebble					0		

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
BWAKG004	BW	23/06/2009	outcrop		Sandstone	beige	grey	medium	massive				0		
BWAKG005	BW	24/06/2009	outcrop		Volcaniclastic rock	green	green	fine-medium	volcanoclastic				0		
BWAKG006	BW	24/06/2009	outcrop		Wacke	grey	grey	medium	massive				0		
BWAKG007	BW	24/06/2009	outcrop		Granodiorite	salt and pepper	brownish	coarse	crystalline				0		
BWAKG008	BW	25/06/2009	outcrop		Meta-siltstone	greyish	brown	medium	massive				0		
BWAKG009	BW	25/06/2009	outcrop		Volcaniclastic rock	grey	grey	medium	crystalline				0		
BWAKG010	BW	25/06/2009	outcrop		Conglomerate	grey	grey	pebble	pebble				0		
BWAKG011	BW	25/06/2009	outcrop		Quartz Wacke	grey	brown	medium	sheared				0		

Appendix 6.3 - Structure

Station Number	Structure Name	Quality	Azimuth	Dip / Plunge	Comments
AHAKG003	fault plane	MODERATE	160	60	
AHAKG015	shear plane	MODERATE	295	71	

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 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
AHAKR001	ROCK	20/10/2009	BULK	0	116.11	0	104	0	0	0	1121	4.821484	0	1599	0	35.9		2.11604	114.4	2900	3.35085	0	0	183.94	42.01
AHAKR002	ROCK	20/10/2009	BULK	0	0	18.4	87	0	0	0	988	3.169939	0	968	0	35.1		2.70725	125.2	1097	0.98018	0	0	148.34	44.34
AHAKR003	ROCK	20/10/2009	BULK	0	0	75.63	0	14.09	0	0	0	0.401142	87.5	473	0	51.8		0.66117	272.1	145	0.10682	0	0	1518.6	49.31
AHAKR004	ROCK	20/10/2009	BULK	0	232.41	0	68	0	287	0	980	6.099651	0	359	33.4	79.4		2.0717	284.5	640	0.36859	0	0	283.34	66.58
AHAKR004	ROCK	20/10/2009	INDBULK	0	374.31	0	83	0	281.3	0	970	7.196948	0	201	0	0	0	3.75641	651.6	114	0.73615	0			0
AHAKR005	ROCK	20/10/2009	BULK	0	3087.9	0	130	0	0	0	0	56.42727	0	54	0	58.4		0.21476	0	631	0.08734	0	0	379.45	104.7
AHAKR005	ROCK	20/10/2009	INDBULK	0	3001.9	0	85	0	0	0	0	30.97972	0	28	0	0	32.3	0.78213	0	0	0.33527	412.7			0
AHAKR006	ROCK	20/10/2009	BULK	0	0	0	64	0	856.1	0	970	4.755971	0	454	0	34.2		4.82465	917.5	207	0	0	0	110.48	42.34
AHAKR007	ROCK	20/10/2009	BULK	0	0	0	86	0	0	0	728	3.223566	0	1083	0	24.1		2.96759	37.83	314	1.1406	0	0	110.1	31.51
AHAKR008	ROCK	20/10/2009	BULK	0	116.25	0	46	0	0	0	355	3.574605	0	704	0	44.6		8.5055	72.49	367	0	0	0	177.79	28.9
AHAKR009	ROCK	20/10/2009	BULK	0	0	645.2	56	140.4	0	0	774	0.693325	83.1	134	0	33.2		4.59052	331.4	217	0.62157	542.3	0	447.97	0
AHAKR010	ROCK	20/10/2009	BULK	0	55.91	0	124	0	249.4	0	794	3.698788	0	411	20.7	68.4		2.53691	348.4	522	1.6335	0	0	197.18	60.23
BWAKR001	ROCK	20/10/2009	BULK	0	82.99	0	94	0	108.7	0	1271	5.309138	0	517	0	62.6		3.56974	229.2	875	0.98273	0	0	207.3	53.25
BWAKR001	ROCK	20/10/2009	INDBULK	0	97.62	0	118	0	124	0	1654	6.820664	0	314	0	0	0	5.18619	470.3	507	1.64116	0			0
BWAKR002	ROCK	20/10/2009	BULK	0	0	0	46	0	144.2	0	544	1.326956	63.1	173	0	29.8		2.79749	303.5	957	0.79291	0	0	127.39	30.5
BWAKR003	ROCK	20/10/2009	BULK	0	0	0	79	0	0	0	578	3.674302	0	1064	0	61.8		4.64019	0	437	0.16834	0	0	183.33	58.53
BWAKR004	ROCK	20/10/2009	BULK	0	213.74	0	65	0	0	0	827	4.046726	0	489	0	49.4		2.71763	0	1299	1.09067	0	0	192.02	50.46
BWAKR005	ROCK	20/10/2009	BULK	0	0	18.09	0	12.09	0	0	0	0.255061	22.1	81	0	25.5		0.12203	300.4	212	0.08212	0	0	227.65	0
LJAKR001	ROCK	20/10/2009	BULK	0	126	0	746	0	108.6	0	1914	5.654799	0	576	0	56.7		2.95814	267.3	691	0.61454	0	0	201.85	49.81
LJAKR001	ROCK	20/10/2009	INDBULK	0	102.98	0	798	0	123.1	0	2259	7.22208	0	336	0	0	0	4.58656	497.9	409	1.0708	0			0
LJAKR002	ROCK	20/10/2009	BULK	0	0	16.96	253	13.77	0	0	1526	3.657769	16.1	887	30.8	62.1		1.19555	82.02	1479	1.12421	0	0	225.87	64.16

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
AHAKS001	SILT	12/01/2010	BULK	0	71.41	14.3	60	0	138.2	0	624	3.1509	14	351	0	32.4		1.5232	204.1	662	1.01766	0	0	135.5	34.3
BWAKS001	SILT	12/01/2010	BULK	0	96.68	28.5	97	0	492.3	0	779	4.3152	36.5	308	0	46.1		1.6803	523.6	663	0.84544	0	0	141	35.8
BWAKS002	SILT	12/01/2010	BULK	0	75.16	0	96	0	123.1	0	908	3.3435	21.4	347	0	0		1.835	203.7	477	0.93369	0	0	66.54	0
BWAKS003	SILT	12/01/2010	BULK	0	86.86	0	67	0	212.1	0	797	3.4844	16	350	0	0		2.0846	211.3	454	1.01031	0	0	0	0
LJAKS001	SILT	12/01/2010	BULK	0	99.16	0	90	0	170.5	0	929	5.1941	16.3	301	0	53.5		1.737	172.5	610	0.97892	0	0	136.7	44.1
LJAKS001	SILT	12/01/2010	INDBULK	0	148.3	18.6	86	0	200.8	0	1216	6.6946	0	173	0	0	0	2.3206	289.6	370	1.44248	0			0

Appendix 7.3 - Soil 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
AHAKD001	DIRT	12/01/2010	BULK	0	115.7	54.33	236	0	591.7	389.3	912	6.06111	67.03	223	16.5	53.7		2.05613	562.4	639	0.46247	0	0	206.3	55.9
AHAKD001	DIRT	12/01/2010	BULK	0	98.16	54.22	258	0	686.5	392	1300	7.59773	68.58	138	0	0	0	2.93159	926	339	0.80813	0			0
AKL001 00+00	DIRT	07/10/2009	BULK	0	0	33.05	280		114.3	0	963		51.99	228					132			0	0		
AKL001 00+50S	DIRT	07/10/2009	BULK	0	0	26.45	129		0	0	285		20.57	241					90.59			0	0		
AKL001 01+00S	DIRT	07/10/2009	BULK	0	53.03	27.95	117		0	0	411		16.08	271					107			0	0		
AKL001 01+50S	DIRT	07/10/2009	BULK	0	72.01	51.81	135		166.1	0	1014		37.9	261					242.6			0	0		
AKL001 02+00S	DIRT	07/10/2009	BULK	8.22	114.7	58.67	107		0	0	1059		76.75	241					101.5			0	0		
AKL001 02+50S	DIRT	07/10/2009	BULK	8.09	68.27	40.22	145		137.3	0	728		52.39	320					152.2			0	0		
AKL001 03+00S	DIRT	07/10/2009	BULK	8.9	0	32.79	91		0	0	395		93.19	287					105.5			0	0		
AKL001 03+50S	DIRT	07/10/2009	BULK	8.46	110.2	37.02	94		0	0	360		28.41	349					91.5			0	0		
AKL001 04+00S	DIRT	07/10/2009	BULK	0	70.34	28.61	171		238	0	1090		67.04	263					254.3			0	0		
AKL001 04+50S	DIRT	07/10/2009	BULK	0	121.7	129	528		383.3	0	1790		171.4	354					462.7			0	0		
AKL001 05+00S	DIRT	07/10/2009	BULK	0	153.7	283.5	998		441.6	0	1823		318.5	221					343.3			0	0		
AKL001 05+50S	DIRT	07/10/2009	BULK	11.6	94.1	366.9	656		250.8	0	678		678	335					202.7			0	0		
AKL001 06+00S	DIRT	07/10/2009	BULK	0	161.1	110.5	601		167.8	0	1351		73.06	476					129			0	0		
AKL001 06+50S	DIRT	07/10/2009	BULK	0	95.65	102.6	481		102.5	381.6	1191		65.91	494					107.8			0	0		
AKL001 07+00S	DIRT	07/10/2009	BULK	0	70.53	51.21	285		93.82	0	1171		69.24	355					98.15			0	0		
AKL001 07+50S	DIRT	07/10/2009	BULK	0	82.78	33.72	154		0	0	886		46.07	381					172.6			0	0		
AKL001 08+00S	DIRT	07/10/2009	BULK	0	87.11	39.97	155		93.35	0	634		62.39	332					109.1			0	0		
AKL002 00+00	DIRT	07/10/2009	BULK	0	39.14	51.03	109		0	0	415		99.44	269					143.1			0	0		
AKL002 00+50S	DIRT	07/10/2009	BULK	8.72	83.38	76.46	95		0	0	182		32.29	271					121.9			0	0		
AKL002 01+00S	DIRT	07/10/2009	BULK	0	43.34	48.65	134		0	0	600		58.52	227					0			0	0		
AKL002 01+50S	DIRT	07/10/2009	BULK	0	60.63	44.03	122		0	0	768		48.58	197					0			0	0		
AKL002 02+00S	DIRT	07/10/2009	BULK	0	50.69	14.71	69		0	0	397		29.42	235					0			0	0		
AKL002 02+50S	DIRT	07/10/2009	BULK	0	0	14.18	67		0	0	665		0	266					0			0	0		
AKL002 03+00S	DIRT	07/10/2009	BULK	0	0	0	64		0	0	666		11.96	261					0			0	0		
AKL002 03+50S	DIRT	07/10/2009	BULK	0	0	19.29	44		0	0	464		0	286					0			0	0		
AKL002 04+00S	DIRT	07/10/2009	BULK	0	0	13.5	47		0	0	867		0	274					0			0	0		
AKL002 04+50S	DIRT	07/10/2009	BULK	0	63.3	15.49	44		0	0	584		0	361					0			0	0		
AKL002 05+00S	DIRT	07/10/2009	BULK	0	47.18	24.34	56		0	0	890		0	353					0			0	0		
AKL002 05+50S	DIRT	07/10/2009	BULK	0	46.66	0	45		0	0	343		0	225					0			0	0		
AKL002 06+00S	DIRT	07/10/2009	BULK	0	42.78	16.63	38		0	0	417		0	334					0			0	0		
AKL002 06+50S	DIRT	07/10/2009	BULK	0	53.96	0	55		0	0	1226		0	352					0			0	0		
AKL002 07+00S	DIRT	07/10/2009	BULK	0	0	0	86		0	0	1304		0	311					0			0	0		
AKL002 07+50S	DIRT	07/10/2009	BULK	0	0	15.98	67		0	0	931		0	342					0			0	0		
AKL002 08+00S	DIRT	07/10/2009	BULK	0	43.39	0	48		0	0	558		11.51	327					0			0	0		
AKL002 08+50S	DIRT	07/10/2009	BULK	8.78	41.43	0	72		0	0	1036		39.97	255					0			0	0		
AKL002 09+00S	DIRT	07/10/2009	BULK	0	46.41	34.83	74		0	0	926		38.98	249					0			0	0		
AKL002 09+50S	DIRT	07/10/2009	BULK	0	71.31	0	66		0	0	677		24.49	305					0			0	0		
AKL002 10+00S	DIRT	07/10/2009	BULK	0	39.85	17.57	73		0	0	819		26.81	305					55.72			0	0		
AKL002 10+50S	DIRT	07/10/2009	BULK	0	0	23.14	91		0	0	642		45.54	333					0			0	0		
AKL002 11+00S	DIRT	07/10/2009	BULK	0	0	34.13	99		0	0	568		26.64	325					65.14			0	0		
AKL002 11+50S	DIRT	07/10/2009	BULK	0	64.53	19.56	131		0	0	719		20.92	410					0			0	0		
AKL002 12+00S	DIRT	07/10/2009	BULK	0	90.5	37.59	135		0	0	1434		16.9	372					0			0	0		
AKL002 12+50S	DIRT	07/10/2009	BULK	0	0	40.6	126		0	0	503		42.16	396					73.87			0	0		
AKL002 13+00S	DIRT	07/10/2009	BULK	0	124.9	15.79	78		603.9	0	1041		0	277					406.9			0	0		
AKL002 13+50S	DIRT	07/10/2009	BULK	0	111.6	0	59		449.4	0	879		0	301					386.1			0	0		
AKL002 14+00S	DIRT	07/10/2009	BULK	0	0	15.25	57		121.1	262.6	613		12.71	371					179.9			0	0		
AKL002 14+50S	DIRT	07/10/2009	BULK	0	64.26	16.9	81		340.4	0	1003		40.89	374					379.1			0	0		
AKL002 15+00S	DIRT	07/10/2009	BULK	0	61.9	0	54		221.7	0	963		0	309					234.8			0	0		
AKL002 15+50S	DIRT	07/10/2009	BULK	0	84.18	0	30		499.5	0	873		0	413					351.7			0	0		

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
AKL002 16+00S	DIRT	07/10/2009	BULK	0	0	22.22	33		97.49	0	375		0	404					53.4			0	0		
AKL002 16+50S	DIRT	07/10/2009	BULK	0	0	0	42		121.1	0	809		12.68	344					105.4			0	0		
AKL002 17+50S	DIRT	07/10/2009	BULK	0	42.06	16.94	41		85.81	0	725		0	321					94.49			0	0		
AKL002 18+00S	DIRT	07/10/2009	BULK	0	54.3	0	96		223.3	0	675		28.3	321					368.3			0	0		
AKL002 20+00S	DIRT	07/10/2009	BULK	0	0	0	45		0	219.9	320		53.67	255					50.13			0	0		
AKL003 00+00	DIRT	10/07/2009	BULK	0	48.66	48.7	87		0	0	1331	3.74758	26.33	343				3.05983	0		1.47594	0	0		
AKL003 00+50S	DIRT	10/07/2009	BULK	0	0	53.27	109		0	0	1768	4.82802	0	268				1.98049	0		1.36412	0	0		
AKL003 01+00S	DIRT	10/07/2009	BULK	0	59.13	18.84	89		0	0	1184	3.03256	20.14	384				1.35129	0		1.49746	0	0		
AKL003 01+50S	DIRT	10/07/2009	BULK	0	40.1	19.49	71		0	0	718	1.4289	0	474				1.84957	0		1.39033	0	0		
AKL003 02+00S	DIRT	10/07/2009	BULK	0	42.45	41.94	138		0	0	1194	2.51357	28.12	389				1.74323	0		1.3808	0	0		
AKL003 02+50S	DIRT	10/07/2009	BULK	0	0	29.18	139		0	0	1372	2.31742	18.7	373				1.35875	39.12		1.24537	0	0		
AKL003 03+00S	DIRT	10/07/2009	BULK	0	0	26.49	252		108	0	667	3.28763	42.51	327				1.32425	106.8		1.16883	0	0		
AKL003 03+50S	DIRT	10/07/2009	BULK	0	55.83	47.44	282		96.05	0	1004	3.30828	46.2	325				1.85035	119.4		1.2365	0	0		
AKL003 04+00S	DIRT	10/07/2009	BULK	0	0	83.59	133		0	0	1241	3.32953	38.09	296				1.17842	0		1.46684	0	0		
AKL003 04+50S	DIRT	10/07/2009	BULK	0	41.05	47.85	102		0	0	2483	4.07852	42.13	210				1.19708	0		1.65852	0	0		
AKL003 05+00S	DIRT	10/07/2009	BULK	0	45.17	90.05	119		0	0	1788	3.14032	43.1	290				1.55119	72.51		1.817	0	0		
AKL003 05+50S	DIRT	10/07/2009	BULK	0	52.24	33.9	88		0	0	823	2.95427	54.13	250				0.97202	0		1.94385	0	0		
AKL003 06+00S	DIRT	10/07/2009	BULK	0	61.03	43.93	167		98.09	0	875	3.34981	30.78	334				1.5489	121.1		1.2346	0	0		
AKL003 06+50S	DIRT	10/07/2009	BULK	0	42.88	37.89	205		114.9	0	924	3.48652	43.79	320				1.9975	113.6		1.16315	0	0		
AKL003 07+00S	DIRT	10/07/2009	BULK	0	86.65	58.55	659		208.6	0	4037	5.70831	28	336				1.43074	187.9		0.9897	0	0		
AKL003 07+50S	DIRT	14/07/2009	BULK	0	52.37	45.85	135		86.65	0	1630	3.58702	37.51	237				0.77383	50.66		1.94397	0	0		
AKL003 08+00S	DIRT	14/07/2009	BULK	0	0	31.97	97		0	0	840	2.33121	34.24	293				0.83771	44.81		1.47792	0	0		
AKL003 08+50S	DIRT	14/07/2009	BULK	0	0	22.58	66		0	0	717	2.32779	37.32	306				2.78691	48.88		1.00852	0	0		
AKL003 09+00S	DIRT	14/07/2009	BULK	0	0	19.75	61		0	0	919	4.25406	16.41	346				1.39242	0		0.94797	0	0		
AKL003 09+50S	DIRT	14/07/2009	BULK	0	0	15.21	65		0	0	593	3.62167	0	341				1.53053	0		1.18064	0	0		
AKL003 10+00S	DIRT	14/07/2009	BULK	9.3	0	30.17	80		0	0	440	2.26939	0	356				1.86388	0		1.00916	0	0		
AKL003 10+50S	DIRT	14/07/2009	BULK	0	0	28.05	52		0	0	830	3.34874	0	358				2.54063	0		0.93113	0	0		
AKL003 11+00S	DIRT	14/07/2009	BULK	0	50.6	0	52		0	0	603	3.21723	12.24	425				2.47848	0		0.81393	0	0		
AKL003 11+50S	DIRT	14/07/2009	BULK	0	60.3	0	61		0	0	322	2.90455	0	388				2.09631	0		0.72786	0	0		
AKL003 12+00S	DIRT	14/07/2009	BULK	0	48.9	0	71		0	0	1605	4.87058	14.29	378				2.77611	0		1.10394	0	0		
AKL003 12+50S	DIRT	14/07/2009	BULK	0	56.89	0	39		0	0	590	3.34844	13.06	498				5.91448	0		1.34877	0	0		
AKL003 13+00S	DIRT	14/07/2009	BULK	0	43.77	0	64		0	0	1500	4.36058	0	285				1.55688	0		1.25052	0	0		
AKL003 13+50S	DIRT	14/07/2009	BULK	0	83.69	15.75	81		0	0	1371	4.16979	14.55	311				3.0233	0		1.3482	0	0		
AKL003 14+00S	DIRT	14/07/2009	BULK	0	0	17.84	33		0	0	709	3.25133	0	447				1.84037	0		0.96249	0	0		
AKL003 14+50S	DIRT	14/07/2009	BULK	0	0	0	67		0	0	668	3.08791	0	403				1.64215	0		0.95063	0	0		
AKL003 15+00S	DIRT	14/07/2009	BULK	0	60.71	15.68	52		0	0	629	3.71147	0	543				2.17226	0		0.66235	0	0		
AKL003 15+50S	DIRT	14/07/2009	BULK	0	85.48	14.72	56		0	0	818	4.25206	0	410				2.12378	0		0.72969	0	0		
AKL003 16+00S	DIRT	14/07/2009	BULK	0	97.62	0	70		0	0	798	3.63121	0	545				2.62982	47.07		0.82973	0	0		
AKL003 16+50S	DIRT	14/07/2009	BULK	0	0	0	42		0	0	456	2.76895	0	386				1.65034	0		1.12184	0	0		
AKL003 17+00S	DIRT	14/07/2009	BULK	0	77.91	18.5	92		0	0	938	3.52568	0	479				2.17405	0		0.94384	0	0		
AKL003 17+50S	DIRT	14/07/2009	BULK	0	57.09	0	73		0	0	756	4.46732	0	591				2.77899	0		0.85031	0	0		
AKL003 18+00S	DIRT	14/07/2009	BULK	0	71.11	17.71	61		0	0	1307	3.02572	0	343				2.88697	0		0.87755	0	0		
AKL003 19+00S	DIRT	14/07/2009	BULK	0	0	0	69		0	0	1180	5.11061	0	251				2.3113	0		1.8633	0	0		
AKL003 19+50S	DIRT	14/07/2009	BULK	0	47.49	22.56	69		0	0	1389	3.47299	25.77	299				1.46435	0		1.49011	0	0		
AKL003 20+00S	DIRT	14/07/2009	BULK	0	61.21	26.54	59		0	0	1190	2.54162	0	360				2.47362	39.53		1.30415	0	0		
AKL004 00+00	DIRT	14/07/2009	BULK	0	0	20.14	52		0	0	520	2.59464	12.55	327				1.3589	58.23		1.16899	0	0		
AKL004 00+50S	DIRT	14/07/2009	BULK	0	40.28	22.61	68		0	0	530	2.79941	0	402				1.53207	65.53		1.06699	0	0		
AKL004 01+00S	DIRT	14/07/2009	BULK	0	0	13.97	53		0	0	461	3.05509	21.57	280				1.12273	68.78		0.85055	0	0		
AKL004 01+50S	DIRT	14/07/2009	BULK	0	65.94	15.62	52		0	0	662	3.01872	26.22	347				1.67799	117.7		0.98487	0	0		
AKL004 02+00S	DIRT	14/07/2009	BULK	0	0	32.46	97		0	0	637	3.27908	0	296				1.206	86.01		0.83285	0	0		
AKL004 02+50S	DIRT	14/07/2009	BULK	0	48.41	25.16	86		0	0	612	3.40163	39.71	292				1.67784	169.9		0.98253	0	0		
AKL004 03+00S	DIRT	14/07/2009	BULK	0	80.98	30.6	100		0	0	627	3.45525	32.16	258				1.42947	149.3		0.8917	0	0		

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
AKL004 03+50S	DIRT	14/07/2009	BULK	0	65.93	20.81	95		0	0	694	3.3201	23.21	265				1.40492	109.2		0.88677	0	0		
AKL004 04+00S	DIRT	14/07/2009	BULK	0	89.42	28.45	97		0	0	709	3.86445	36.46	278				1.36269	88.83		0.87272	0	0		
AKL004 04+50S	DIRT	14/07/2009	BULK	0	153.7	29.12	135		212.7	0	871	6.21254	33.45	272				1.29462	213.6		0.77673	0	0		
AKL004 05+00S	DIRT	14/07/2009	BULK	0	245.4	15.98	114		250.3	0	1053	6.10174	47.67	248				1.21099	182.7		0.74602	0	0		
AKL004 05+50S	DIRT	14/07/2009	BULK	0	94.95	21.98	90		128	0	756	4.04691	35.37	221				1.48745	158.8		0.68279	0	0		
AKL004 06+00S	DIRT	14/07/2009	BULK	0	114.6	51.77	81		114.9	0	821	3.88116	29.19	251				1.74596	194		0.75169	0	0		
AKL004 06+50S	DIRT	14/07/2009	BULK	0	206.2	152.7	374		474.4	0	2018	7.18162	124.8	188				1.10378	283.6		1.12891	0	0		
AKL004 07+00S	DIRT	14/07/2009	BULK	0	185.3	0	96		218.1	0	1028	4.66309	61.48	253				2.10031	260.3		0.77828	0	0		
AKL004 07+50S	DIRT	14/07/2009	BULK	0	95.95	14.67	61		83.48	0	816	3.19649	24.48	199				1.29836	125.1		0.57532	0	0		
AKL004 08+00S	DIRT	14/07/2009	BULK	0	128.3	0	68		125.6	0	623	4.55508	14.82	271				1.47746	207.7		0.89686	0	0		
LJAKD001	DIRT	12/01/2010	BULK	0	112.3	0	78	0	113.1	0	929	3.62539	20.51	347	0	0		2.34617	98.64	404	1.1722	0	0	63.62	0
LJAKD002	DIRT	12/01/2010	BULK	0	68.42	0	66	0	0	0	868	3.58305	0	396	0	30.4		1.80076	91.57	626	1.08311	0	0	125.7	32.4
NTAKD001	DIRT	12/01/2010	BULK	0	58.07	50.73	162	0	255.7	0	846	3.97742	49.06	306	0	46.7		2.17801	270.5	761	1.3084	0	0	119.2	40.6