

**GEOLOGICAL AND GEOCHEMICAL REPORT
ON THE BACH PROPERTY**

QUARTZ CLAIMS: BACH 1 TO 42 (YD105245 TO YD105286)

**MAYO MINING DIVISION, YUKON
MAPSHEETS: 105N/07 & 08
UTM: 7033000N, 624100E, NAD83 ZONE 8**

for

**COLORADO RESOURCES LTD.
110 - 2300 CARRINGTON ROAD
WEST KELOWNA, BC
V4T 2N6**

by

**LINDA DANDY, P.Geol.
Consulting Geologist**

DATES OF WORK: July 27 and 28, 2012

DATE OF REPORT: October 25, 2012

SUMMARY

The Bach Property, owned by Colorado Resources Ltd. ("Colorado"), comprises a Carlin gold target located along the Hess River in northeastern Yukon. The Bach Property is located within the Selwyn Basin which consists of a broad package of Paleozoic sediments extending ESE from north-west of Dawson City to the Yukon-NWT border north of the major NW-SE trending Tintina Fault Zone. The Property occurs along the western limit of a broad deformation belt unofficially called the "Gold River Fold Belt". Several WNW trending thrust faults, reactivated as strike-slip faults associated with fairly intense folding extend ESE from the Bach Property area.

Previously recorded work on the Bach Property was by Viceroy Exploration (Canada), Inc. ("Viceroy") in 1998 and NovaGold Resources Inc. ("NovaGold") in 1999. This work consisted of small traverse style soil and silt sampling programs which returned elevated gold, silver and arsenic values along a one kilometre wide ESE trend roughly following a shale-chert contact.

Until 2011, no work had been done on the property since NovaGold held the claims. In 2011, Colorado completed a one day exploration program consisting of sampling four short soil lines, accompanied by prospecting.

In 2012, additional soil sampling lines were completed along with one day of prospecting. This report presents the results of the 2012 exploration program. The survey returned elevated gold, with spotty silver, arsenic and zinc values lining up well with the historic elevated soil and silt values.

For 2013, a two phase exploration program is recommended for the Bach Property. Phase I will consist of geological mapping, infill soil sampling and excavator trenching. A total of 1000 soil samples should be collected at 25 metre intervals on infill lines spaced 100 metres apart. In highly anomalous areas, line spacing can be decreased to 50 metres in order to better determine the location of the core of the mineralization prior to trenching. A helicopter portable mini-excavator is to be utilized for the trenching program.

If results warrant, a Phase II exploration program consisting a ground geophysical induced polarization survey over soil anomalous zones in areas of limited outcrop exposure is recommended in order to determine the location of the contacts and structures in the host chert and shale units. Phase II will also include diamond drilling of 6 short holes over the best coincident geological, geochemical and geophysical targets.

The Phase I exploration program is budgeted at \$150,000. Phase II is dependent upon the results of the Phase I program and is budgeted at \$650,000.

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1) INTRODUCTION

The Bach Property, comprising a Carlin gold target, is located along the Hess River in central Yukon. The property is owned 100% by Colorado Resources Ltd. ("Colorado").

Colorado acquired this property after examination of historic assessment reports documenting previous exploration programs, and noting that along with geochemical anomalies, the host rock lithologies are amenable for Carlin type gold mineralization.

In 2011 and 2012, Colorado conducted soil sampling and prospecting programs on the property. The soil sample results confirm the presence of a multi-element soil geochemical anomaly.

2) LOCATION AND ACCESS

The Bach Property is located near the confluence of the Hess and Rogue Rivers, 180 kilometres north of Ross River and 185 kilometres west of Mayo, in the Mayo Mining District, Yukon (Figure 1). The claims cover an area of approximately 878 hectares and are centred at UTM 7032800N, 624100E (Zone 8) within mapsheets 105N/07 and 105N/08.

Access to the Bach Property is via helicopter from Ross River, Mayo or MacMillan Pass Airstrip (115 kilometres ESE). Float plane access is possible to Fairweather Lake roughly 15 kilometres to the southeast. The nearest road is the North Canol Highway located approximately 90 kilometres SE of the property.

3) PHYSIOGRAPHY

The Bach Property is located in an area of low to moderate relief with limited outcrop exposure. A relatively flat topped and steep sided hill of 1,060 metres elevation is the most prominent feature on the property.

The entire property is covered by typical northern boreal spruce and fir forest. The northern portion of the property, near the Hess River is boggy and covered by deep moss overlying patchy permafrost.

4) CLAIM INFORMATION

The Bach Property is located within the Mayo Mining Division and consists of 42 quartz claims totaling 878 hectares (Figure 2). The claims all have a common expiry date of April 4, 2019. Claim information is listed in Table I.

**TABLE I
CLAIM INFORMATION**

Claim Names	Tenure #s	Ownership	Expiry Dates*
BACH 1 TO BACH 42	YD105245 TO YD105286	COLORADO RESOURCES LTD.	APRIL 4, 2019

*pending approval of this report

5) HISTORY

The Bach Property area was targeted by Viceroy in 1997 due to several coincident gold-arsenic-mercury-antimony anomalies from RGS silt sampling across Earn Group stratigraphy. The Bach claims were staked to cover significant gold values from soil sampling, and several closely spaced coincident gold-mercury silt anomalies from streams overlying Earn and Road River Group stratigraphy. Soil and silt sampling by Viceroy in 1998 continued to substantiate the presence of widespread coincident gold-mercury-arsenic anomalies across the property (Schulze, 1999). In 1999, Viceroy transferred its 100% interest in the property NovaGold Resources Inc.

NovaGold noted (Schultz, 2000) that previous exploration revealed a one-kilometre wide ESE trending belt of anomalous soil and silt values extending along the ESE trending shale and chert contact. Consistently anomalous gold in silt values to 35 ppb Au were returned from the central drainage with values to 75 ppb Au returned from side drainages. A soil sample profile of 66 ppb Au over 600 metres was returned west of the central drainage. Gold in silt values to 85 ppb Au along a western lineament also suggest a strong structural control of mineralization.

NovaGold's 1999 program revealed a coincident gold in soil and silt anomaly returning a value of 36 ppb Au across 300 metres, with anomalous silver and antimony values, within the previously delineated geochemical anomaly covering roughly three square kilometres. The highest gold values obtained by NovaGold and many of the high values from nearby sampling by Viceroy were obtained from areas of deep cover and permafrost, with lower portions covered by glacial till. Values across lower areas may be partly caused by a glacial "smear effect", and may reflect a significant gold source to the east. The coincident gold-mercury-arsenic values suggest an epithermal, sediment-hosted gold source (Schulze, 2000).

In 2011, work by Colorado on the Bach Property consisted of four 500 metre long 200 metre spaced soil sampling lines. Encouraging gold, silver and arsenic soil values from the small grid area sampled correlate well with the historic sampling (Figure 3 and Dandy, 2012).

6) WORK DONE BY COLORADO RESOURCES LTD. IN 2012

On July 27 and 28, 2012, work done by Colorado on the Bach Property consisted of extending the four 500 metre long 200 metre spaced soil sampling lines sampled in 2011 and adding 4 more 200 metres spaced lines. A total of 313 samples were collected at 25 metre spacings. During the course of the soil

sampling work, a one day prospecting program was conducted and 16 rock grab samples were also collected.

Work was completed by a four person crew based out of a camp located on the North Canol Highway near MacMillan Pass. Access was via helicopter.

7) GEOLOGY

Geology and mineralization of the Bach Property, as described by Schulze (1999 and 2000), is summarized below.

Regional Geology

The Bach Property is located within the Selwyn Basin which consists of a broad package of Paleozoic sediments extending ESE from north-west of Dawson City to the Yukon-NWT border north of the major NW-SE trending Tintina Fault Zone. This stratigraphy consists of shallow shelf to off-shelf marine clastic and chemical sediments, as well as basinal clastic sediments derived from the Ancient North American Platform to the north-east. The age of deposition ranges from Late Precambrian to Permian. At least two major episodes of rifting have occurred: the first during deposition of the Late Precambrian Hyland Group sediments, and the second during deposition of the Devonian-Mississippian Earn Group sediments. These major rift zones often host poorly sorted coarse clastic sediments, such as debris flows or turbidite horizons.

Several episodes of continental uplift have led to periods of increased erosion and resulting continental margin or miogeosynclinal deposition, resulting in the creation of sequences of comparatively high energy, shallow water sediments, often coarsely grained and variably calcareous. These are separated by strata formed under deeper, quieter water conditions, resulting in formation of fine clastic sediments and chert. The Mid-Cretaceous Tombstone-Tungsten Suite (95-89 Ma) has been emplaced within the Selwyn Basin. Intrusives of this suite occur along an ESE trending belt extending for over 500 kilometres from north-west of Dawson City, Yukon to the Yukon-NWT border. Intrusives are believed to control some of the economic gold mineralization within the Selwyn Basin.

Extensive thrust faulting along the entire extent of the Selwyn Basin began during Late Jurassic time, resulting in creation of a compressional regime. Most thrust faults are oriented roughly ESE, dipping to the south-west, sub-parallel to the overall ESE trend of stratigraphy. Several major regional thrust faults were formed including the Dawson Thrust, Tombstone Thrust, and Robert Service Thrust. This regional lineation has been overprinted by a slightly less pronounced NE-SW lineation, marked by high angle orthogonal faults suggesting the compressional regime was followed by an extensional tectonic regime.

The Bach Property occurs along the western limit of a broad deformation belt unofficially called the "Gold River Fold Belt". Several WNW trending thrust faults, reactivated as strike-slip faults associated with fairly intense folding extend ESE from the Bach Property area south of the Hess River. Several Tombstone Suite monzonite stocks occur within this belt within twenty kilometres of the property (see Figure 4).

Property Geology

The Bach Claims are underlain by an ESE trending package of Road River Group shale with minor chert extending along an ESE trending contact with a broad package of Road River Group chert with lesser shale and siltstone to the north. The southern shale package, which contains a small phyllite member, lies in contact with a unit of Earn Group chert pebble conglomerate to the south. A smaller unit of Earn Group conglomerate extends along western portions of the shale-chert contact.

Two lineament sets are recognized from drainage orientations: a north-south lineation, shown by a significant drainage towards the north, as well as drainages east of the property; and a WNW trending lineation controlling minor drainages within western property area. The relationship of these structures to mineralization has not been determined however gold values appear to increase in the area near the shale-chert contact.

8) GEOCHEMISTRY

Rock Sampling Techniques

15 rock grab samples and one rock chip sample were collected during the soil sampling and prospecting program. Grab samples consist of 2 or 3 fist size pieces of rock representing a certain rock or mineralization type. Chip samples consist of golf ball size rock pieces collected continuously across a certain rock type or mineralized structure. All sample sites were marked with fluorescent flagging marked with the sample number. Figure 5 shows the rock sample locations.

Samples were placed in poly bags labelled with the corresponding sample number and a bar coded assay tag was also inserted into the sample bag. Samples were shipped to ACME Laboratory Ltd.'s preparation lab in Whitehorse for sample preparation then shipped on by the laboratory to ACME's Vancouver facility for analyses. In the laboratory, samples were crushed to minus 200 mesh and fire assayed for gold, plus geochemically analyzed for 36 additional elements by the ICP-MS method.

Rock Sample Results

Rock sample Certificates of Analysis can be found in Appendix II. Table II summarizes results from the rock grab sampling program.

**TABLE II
ROCK SAMPLE RESULTS**

SAMPLE	NORTHING	EASTING	DESCRIPTION	Au (ppb)	Ag (ppm)	As (ppm)	Zn (ppm)
1290901	7032938	623571	Chip - 30-40cm quartz vein in black shale with minor limonite	<2	<0.1	5.3	122
1290902	7032938	623514	Grab - 3-4cm quartz vein or stockwork in black shale	<2	<0.1	1.5	100
1290903	7032851	623482	Grab - subcrop - abundant quartz stockwork in shale	3	<0.1	<0.5	34

SAMPLE	NORTHING	EASTING	DESCRIPTION	Au (ppb)	Ag (ppm)	As (ppm)	Zn (ppm)
1290904	7032845	623508	Grab – float – quartz vein-stockwork, white bull looking quartz in black shale	<2	<0.1	<0.5	25
1290905	7032870	623509	Grab – abundant white bull quartz veins-stockwork in grey cherty shale	3	<0.1	<0.5	18
1290906	7032846	623552	Grab - bull quartz in cherty shale	2	<0.1	0.7	38
1290907	7032831	623590	Grab - 30-40cm quartz vein in shale	<2	<0.1	0.6	16
1290908	7032818	623608	Grab - quart.	<2	<0.1	1.1	59
1290909	7032768	623663	Grab - Small band of silty limestone	<2	<0.1	0.6	7
1290910	7032873	623728	Grab – small outcrop of thinly foliated, grey shale with limonite on fractures	5	<0.1	1.2	51
1290911	7032990	623691	Grab – 30cm bull white quartz vein in grey foliated shale	49	<0.1	<0.5	48
1290912	7032977	623789	Grab – quartz stockwork veinlets in grey foliated shale	<2	<0.1	0.5	105
1290913	7032953	623807	Grab – 30cm quartz vein	<2	<0.1	<0.5	35
1290914	7033077	623893	Grab – quartz veining in shale	5	<0.1	11.5	82
1290915	7033091	623883	Grab – quartz veining in shale	<2	<0.1	9.3	43
1290916	7033091	623693	Grab – subcrop – quartz in grey-black shale	<2	<0.1	<0.5	90

Figures 6A through 6D show gold, silver, arsenic and zinc rock sample values. None of the rock samples contained significant levels of precious or indicator elements. Limited outcrop exposure in the area of the soil sampling survey led to rock samples being collected when outcrop exposure allowed, rather than being based on the presence of mineralization or alteration.

Soil Sampling Techniques

During the 2012 exploration program, a total of 313 soil samples were collected. The samples were taken from eight grid lines, four of which were extensions of lines put in during 2011 and four were new lines. Grid lines run east-west at 200 metre spacings with samples collected at 25 metre intervals along the lines. Figure 7 shows the soil sample locations.

Soil samplers tried to collect the sample from the 'B' horizon whenever possible, however deep moss, rocky sections and permafrost did not allow for consistent 'B' horizon sampling. Samples were collected using an auger or mattock and were taken from the "best" looking soil material available at each station. Sample sites were labeled with fluorescent flagging with the station number recorded on it, and soil was placed in correspondingly labeled Kraft soil bags.

All soil samples were shipped to ACME Laboratory Ltd.'s preparation facility in Whitehorse where they were dried and sieved to -80 mesh. The prepared samples were then shipped by ACME to their Vancouver laboratory for analyses. The samples were analysed for 36 elements (including gold) by the ICP-MS method, plus fire assayed for gold. ACME Labs Ltd. Certificates of Analyses for soil samples can be found in Appendix III.

Soil Geochemistry Discussion of Results

Figure 3 shows the historic soil and silt sampling gold results with the 2011 and 2012 soil lines superimposed. Figure 7 shows the 2012 sample locations and their corresponding sample numbers.

On Figure 8A, yellow soil geochemistry dots represent 24 to 44 ppb gold values and red dots are >44 ppb gold. A strong, cohesive north-northwest trending, 300 metre wide by 600 metres long, gold soil anomaly is found in the area of the 2011 soil sampling. The trend appears to weaken and pinch out in both the north and south directions. A second area of spotty elevated gold values can be seen 400 metres to the west of the main anomalous zone.

The highest gold soil value is 603 ppb from 2011 with 146 ppb being the highest gold value from 2012. This gold soil anomaly roughly parallels a small drainage (structure?) and may be related to the contact between chert and shales. The gold value decrease to the north may be due to the increase in mossy overburden depth and permafrost in that direction.

On Figure 8B, yellow soil geochemistry dots represent 3.0 to 3.5 ppm silver values and the red dots are >3.5 ppm silver values. Anomalous silver values are located in the area of the main gold soil geochemical anomaly, with the highest silver value being 6.5 ppm from 2011. Elevated silver soil geochemical values extend to one grid line further north than the main gold zone with the highest 2012 silver value of 3.8 ppm being located on that line.

On Figure 8C, yellow soil geochemistry dots represent 70 to 120 ppm arsenic values and the red dots are >120 ppm arsenic. The highest arsenic values are confined to the area of strongest gold geochemistry. The highest arsenic soil value of 662 ppm from 2011 was collected from the same station as the highest gold soil value. The highest 2012 arsenic soil value is 58.4 ppm.

On Figure 8D, yellow soil geochemistry dots represent 300 to 450 ppm zinc values and the red dots are >450 ppm zinc values. Anomalous zinc values are scattered, with the highest value from 2012 being 719 ppm. There appears to be a weak correlation between higher zinc and silver values.

Soil sampling media was very poor with thick moss development and frequent permafrost. Despite the low quality of the samples collected, the analysis has reflected the historic areas of high gold, silver, arsenic and zinc values.

9) CONCLUSIONS

The Bach Property is located within the Selwyn Basin which consists of a broad package of Paleozoic sediments. The claims are underlain by an ESE trending package of Road River Group shale in contact with a broad package of Road River Group chert. The shale package, which contains a small phyllite member, lies in contact with a unit of Earn Group chert pebble conglomerate to the south. The importance of these geological contacts is unknown but geochemical signatures indicate they may be associated with mineralization.

Two lineament sets are assumed from drainage orientations: a north-south lineation shown by a significant drainage towards the north and a WNW trending lineation controlling minor drainages within western property area. The relationship of these structures to mineralization has not been determined.

Prior exploration work by Viceroy and NovaGold showed a roughly one kilometre zone of elevated gold-arsenic soil and silt geochemistry. The anomalous area appears to trend between two drainages (structures?) and sub-parallel to the shale-chert contact near the centre of the claim block.

Colorado acquired this property after examination of historic assessment reports documenting previous exploration programs, and noting that along with geochemical anomalies, the host rock lithologies are amenable for Carlin type gold mineralization.

Based on work done by Colorado in 2011 and 2012, it can be concluded that the encouraging gold, silver, arsenic and zinc soil values correlate well with the historic sampling. Although the sampling media was generally of poor quality, with thick moss development and frequent permafrost, the results are encouraging. There appears to be a correlation between the anomalous soil results with structures and/or geological contacts. Detailed mapping, expanded soil sampling and trenching is required in order to fully evaluate the significance of the soil anomalies and to determine a mineralization model.

10) RECOMMENDATIONS

For 2013, a two phase exploration program is recommended for the Bach Property. Phase I will consist of geological mapping, infill soil sampling and excavator trenching. A total of 1000 soil samples should be collected at 25 metre intervals on infill lines spaced 100 metres apart. In highly anomalous areas, line spacing can be decreased to 50 metres in order to better determine the location of the core of the mineralization prior to trenching. A helicopter portable mini-excavator is to be utilized for the trenching program.

If results warrant, a Phase II exploration program consisting a ground geophysical induced polarization survey over soil anomalous zones in areas of limited outcrop exposure is recommended in order to determine the location of the contacts and structures in the host chert and shale units. Phase II will also include diamond drilling of 6 short holes over the best coincident geological, geochemical and geophysical targets.

The Phase I exploration program is budgeted at \$150,000. Phase II is dependent upon the results of the Phase I program and is budgeted at \$650,000.

Respectfully submitted,

“Linda Dandy”

Linda Dandy, P.Geol.
October 25, 2012

11) REFERENCES

DANDY, L., 2012; Geological and Geochemical Report on the Bach Property: Yukon Government Assessment Report.

DEPARTMENT OF INDIAN AND NORTHERN AFFAIRS, 1995; Yukon Minfile, Frances Lake Area (Sheet 105N): Exploration and Geological Services, Whitehorse.

MINING YUKON, MINING AND EXPLORATION PORTAL, 2011; Bedrock Geology of Yukon.

ROOTS, C.F. ABBOTT, J.G. CECILE, M.P. GORDEY, S.P., 1995; Bedrock Geology of Lansing Range Map Area (105N), East Half, Hess Mountains, Yukon: Exploration and Geological Services, Yukon Region, and Indian and Northern Affairs Canada.

SCHULZE, CARL M., 2000; 1999 Geological and Geochemical Assessment Report on the Bach Property: Yukon Government Assessment Report #094098.

SCHULZE, CARL M., 1999; 1998 Geological and Geochemical Assessment Report on the Bach Property: Yukon Government Assessment Report #093970.

YUKON GEOLOGICAL SURVEY; MINFILE 105N 031.

12) COST STATEMENT – July 2012

GEOLOGIST:	0.5 days @ \$750	\$ 375.00
PROSPECTORS:	1 day @ \$500	500.00
SAMPLER:	7 days @ \$450	3,150.00
ASSAYS:	16 ROCK SAMPLES @ \$31	496.00
	311 SOIL SAMPLES @ \$35	10,885.00
HELICOPTER:	6.6 HOURS @ \$1250	8,250.00
FUEL		2,310.00
FOOD AND ACCOMMODATION (Mac Pass):		3,675.00
SUPPLIES AND MISCELLANEOUS:		2,000.00
<u>REPORT PREPARATION:</u>		<u>3,050.00</u>
TOTAL COSTS:		\$ 34,691.00

13) QUALIFICATIONS

I, Linda Dandy, hereby certify that:

1. I am a Consulting Geologist having an office at 4900 Warm Bay Road, Atlin, British Columbia, V0W 1A0.
2. I am a graduate of the University of British Columbia with the degree of Bachelor of Science in Geology (1981).
3. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (Registration No. 19236) and a Fellow of the Geological Association of Canada (Membership No. F5201).
4. I have practiced my profession in North America since 1981, having worked as an employee and consultant for Major Mining Corporations, Junior Resource Companies and government.
5. This report is based upon a personal examination of available company and government reports pertinent to the subject property, and upon direct supervision of field work undertaken on the property on July 27 and 28, 2012.

October 25, 2012
Atlin, BC

“Linda Dandy”
Linda Dandy, P.Geo.
Consulting Geologist

APPENDICES

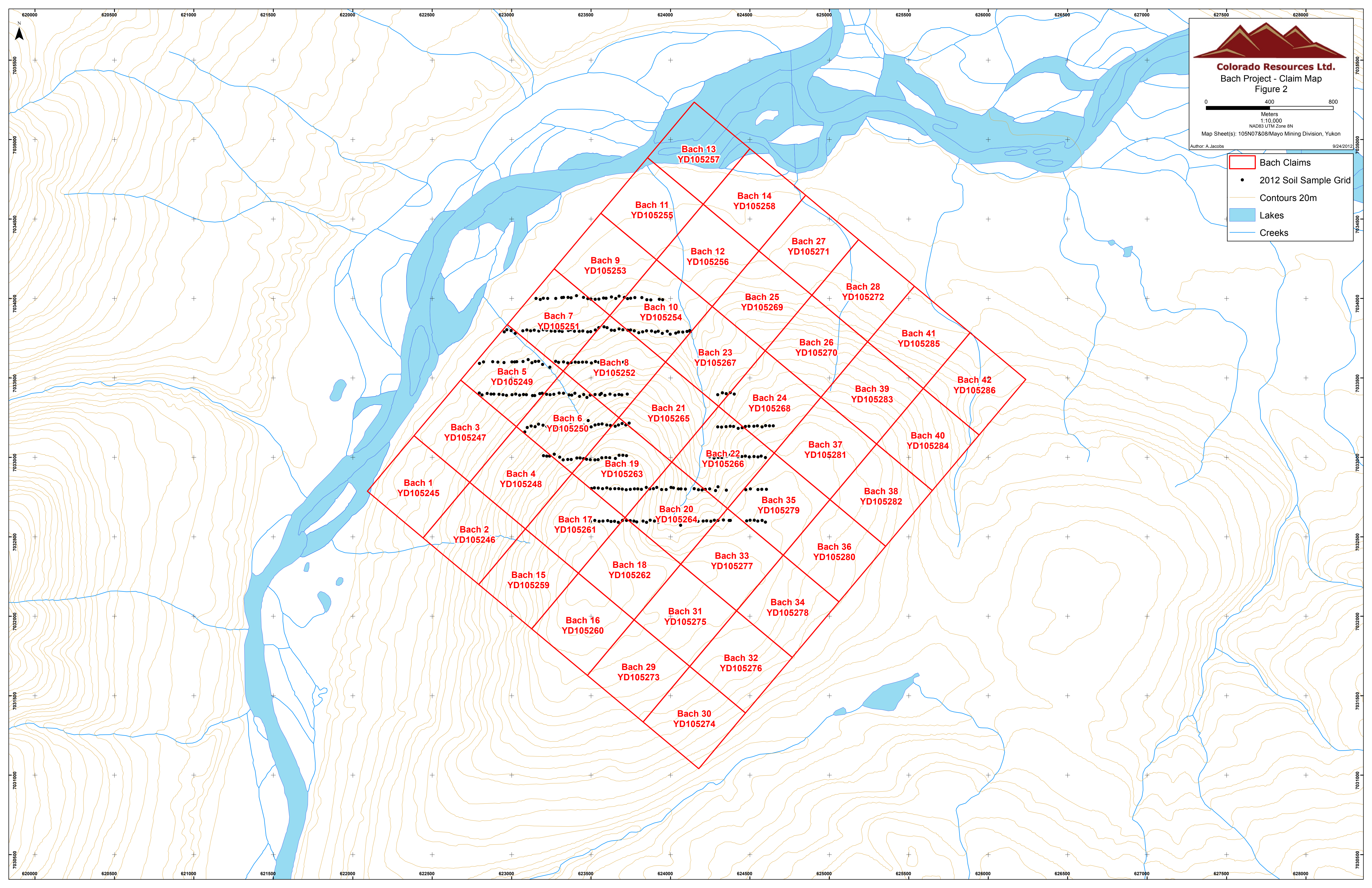
APPENDIX I – FIGURES 1 TO 8

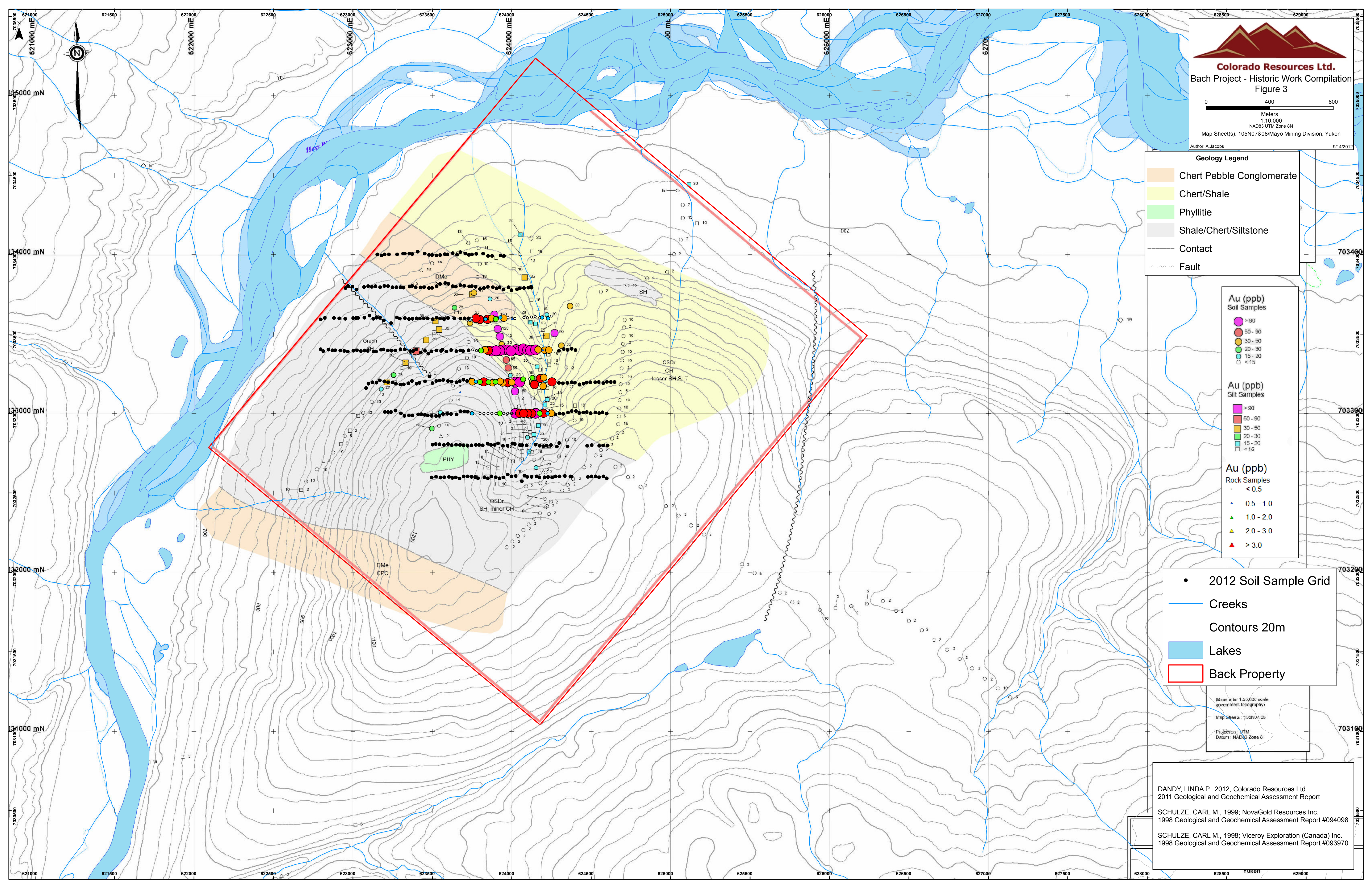
APPENDIX II – ROCK SAMPLE RESULTS – CERTIFICATES OF ANALYSES

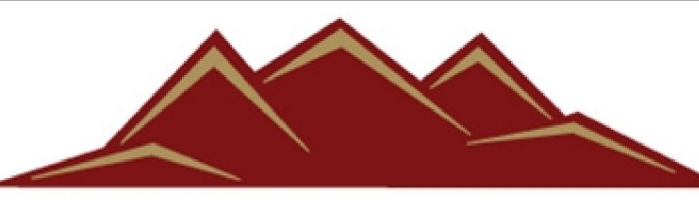
APPENDIX III – SOIL SAMPLE RESULTS – CERTIFICATES OF ANALYSES



BACH PROPERTY







Colorado Resources Ltd.
Bach Project - Historic Work Compilation
Figure 3

0 400 800
Meters
1:10,000
NAD83 UTM Zone 8N
Map Sheet(s): 105N07&08/Mayo Mining Division, Yukon
Author: A. Jacobs 9/14/2012

Geology Legend

- Chert Pebble Conglomerate
- Chert/Shale
- Phyllite
- Shale/Chert/Siltstone
- Contact
- Fault

Au (ppb)
Soil Samples

- > 90
- 50 - 90
- 30 - 50
- 20 - 30
- 15 - 20
- < 15

Au (ppb)
Silt Samples

- > 90
- 50 - 90
- 30 - 50
- 20 - 30
- 15 - 20
- < 15

Au (ppb)
Rock Samples

- < 0.5
- 0.5 - 1.0
- 1.0 - 2.0
- 2.0 - 3.0
- > 3.0

- 2012 Soil Sample Grid
- Creeks
- Contours 20m
- Lakes
- Back Property

(Base file: 1:50,000 scale
government topography)

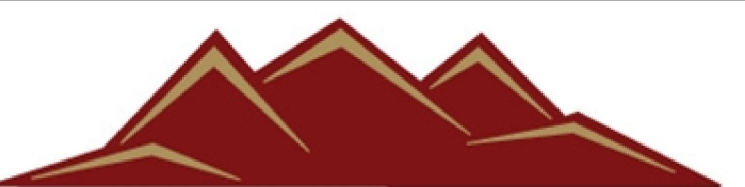
Map Sheets: 105N07, 08

Projection: UTM
Datum: NAD83 Zone 8

DANDY, LINDA P., 2012; Colorado Resources Ltd.
2011 Geological and Geochemical Assessment Report

SCHULZE, CARL M., 1999; NovaGold Resources Inc.
1998 Geological and Geochemical Assessment Report #094098

SCHULZE, CARL M., 1998; Viceroy Exploration (Canada) Inc.
1998 Geological and Geochemical Assessment Report #093970



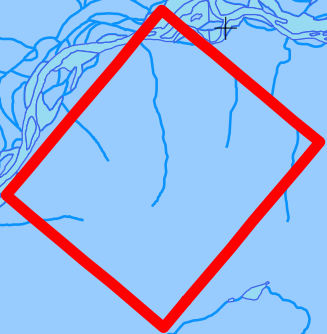
Colorado Resources Ltd.
Bach Project - Regional Geology
Figure 4

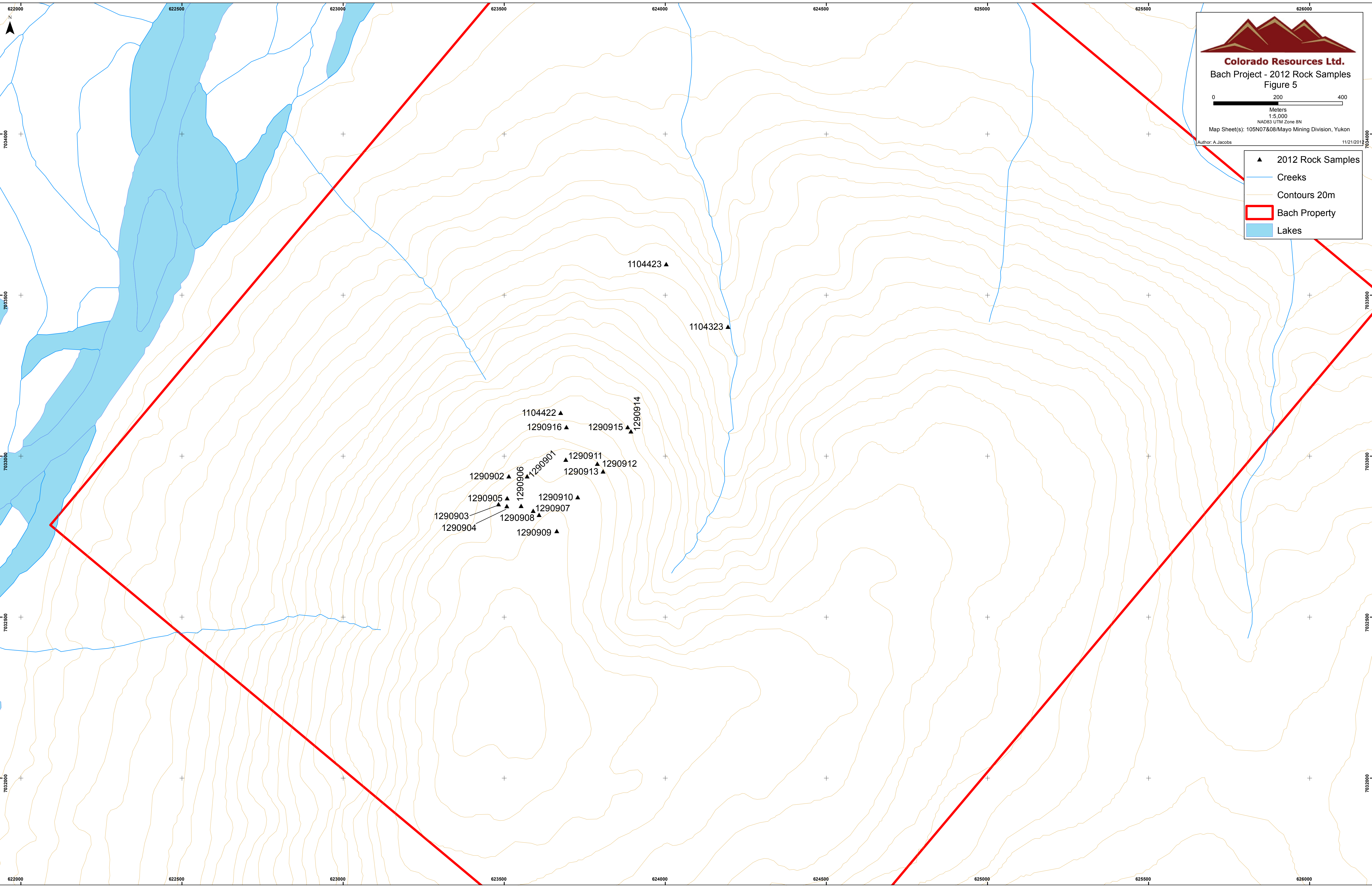
0 4 8
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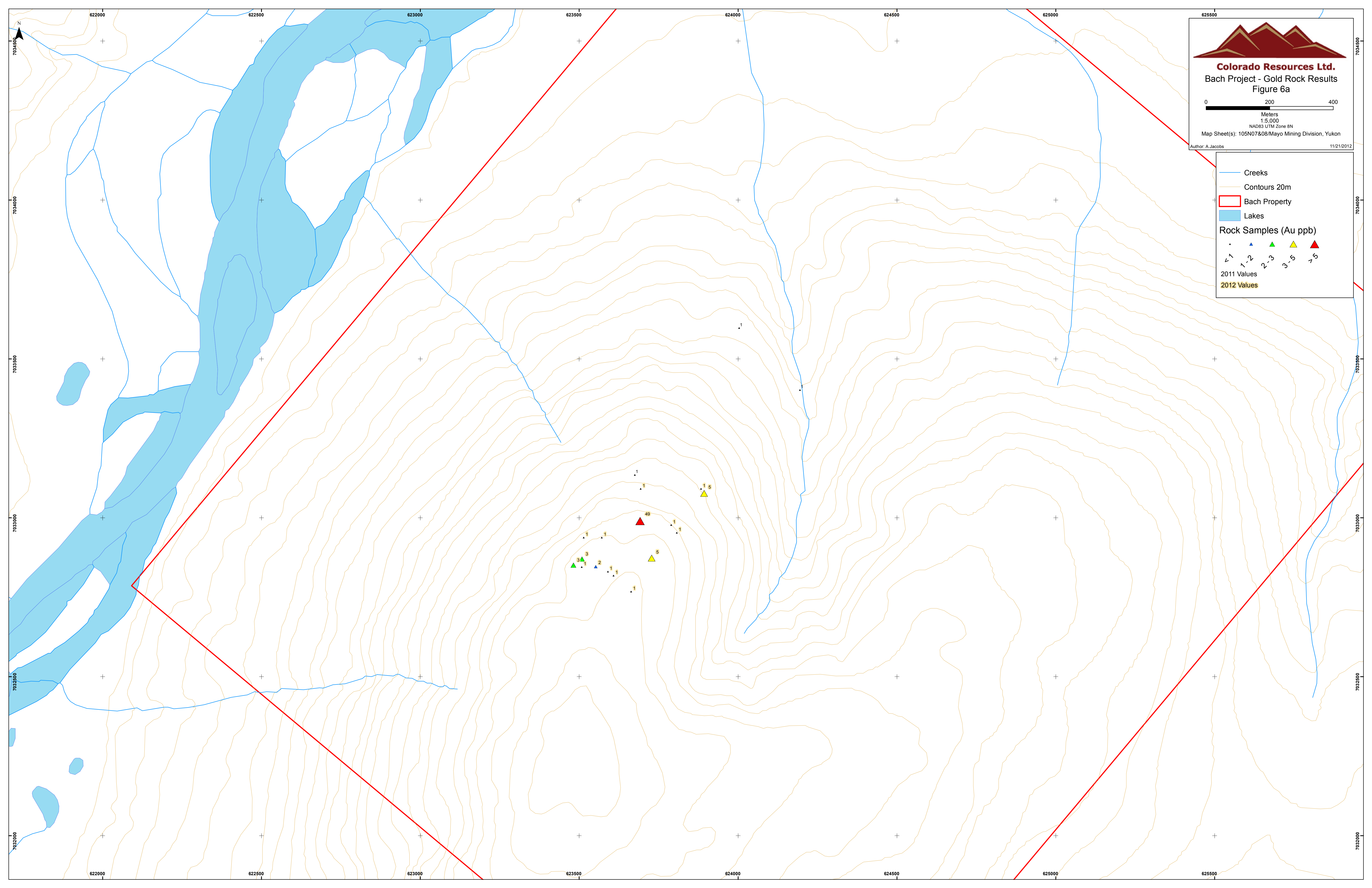
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NAD83 UTM Zone 8N
Map Sheet(s): 105N07&08/Mayo Mining Division, Yukon
Author: A.Jacobs 9/19/2012

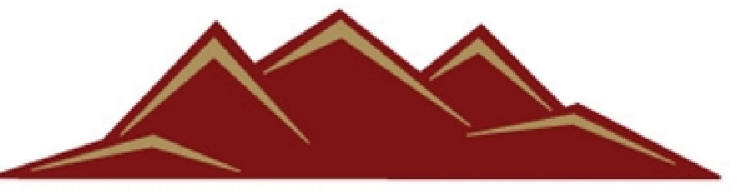
Geology

- Sand/Gravel
- Mudstone/Shale/Siltstone
- Phyllite/Shale/Conglomerate
- Shale/Quartzite
- Siltstone/Sandstone/Conglomerate
- Shale/Chert/Siltstone
- Limestone
- Chert/Shale/Siltstone
- Shale/Argillite/Sandstone
- Intrusive Rocks









Colorado Resources Ltd.
Bach Project - Silver Rock Results
Figure 6b

0 200 400
Meters
1:5,000
NAD83 UTM Zone 8N
Map Sheet(s): 105N07&08/Mayo Mining Division, Yukon
Author: A.Jacobs 11/21/2012

— Creeks

— Contours 20m

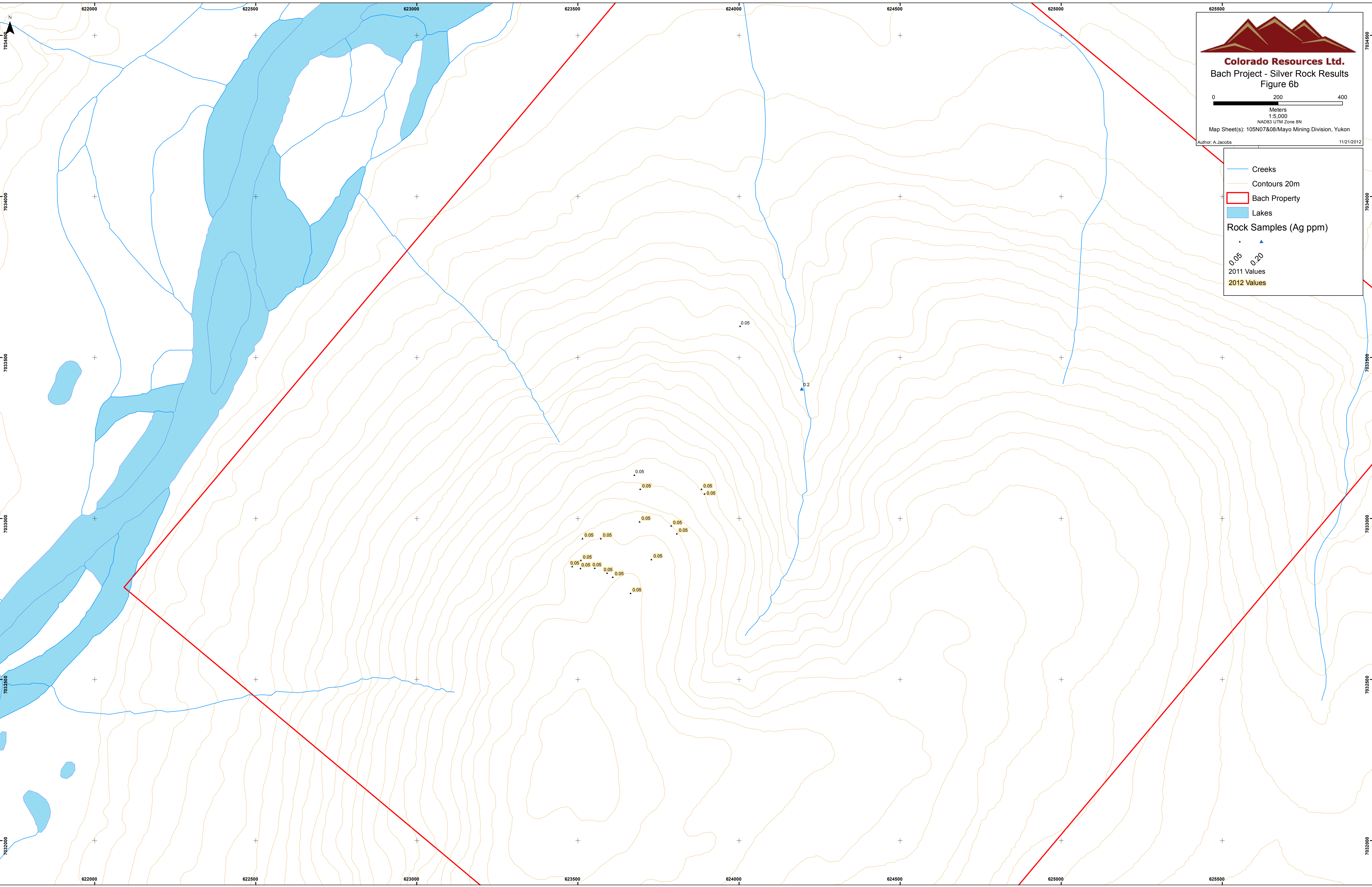
□ Bach Property

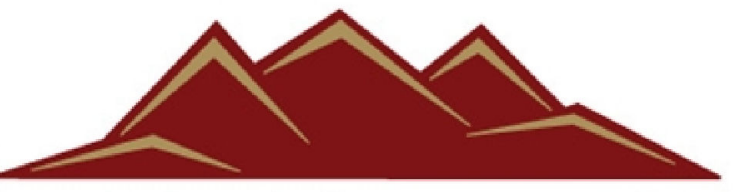
■ Lakes

Rock Samples (Ag ppm)

▲ 0.05
▲ 0.20

2011 Values
2012 Values





Colorado Resources Ltd.
Bach Project - Arsenic Rock Results
Figure 6c

0 200 400
Meters
1:5,000
NAD83 UTM Zone 8N
Map Sheet(s): 105N07&08/Mayo Mining Division, Yukon
Author: A.Jacobs 11/21/2012

— Creeks

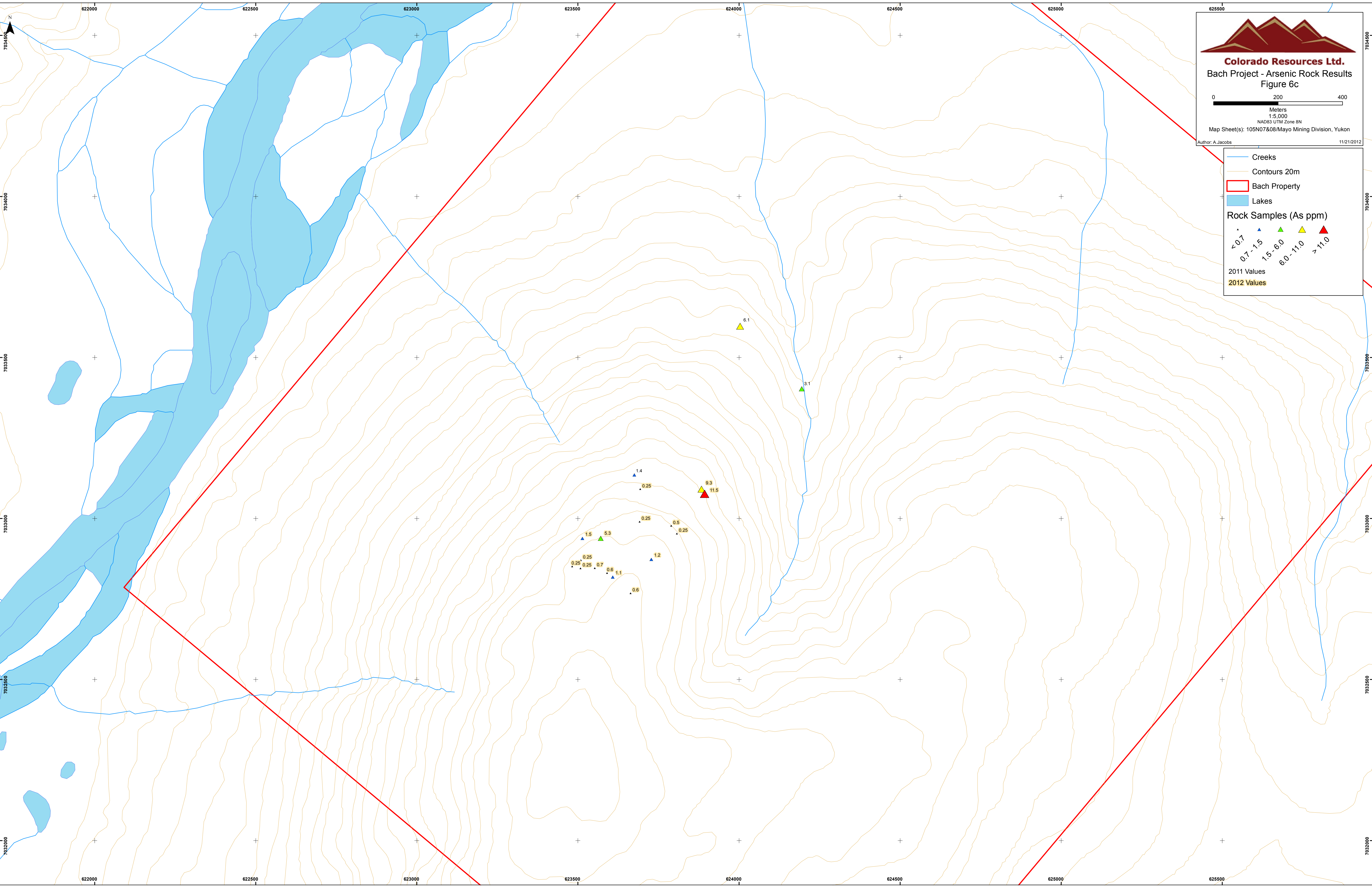
— Contours 20m

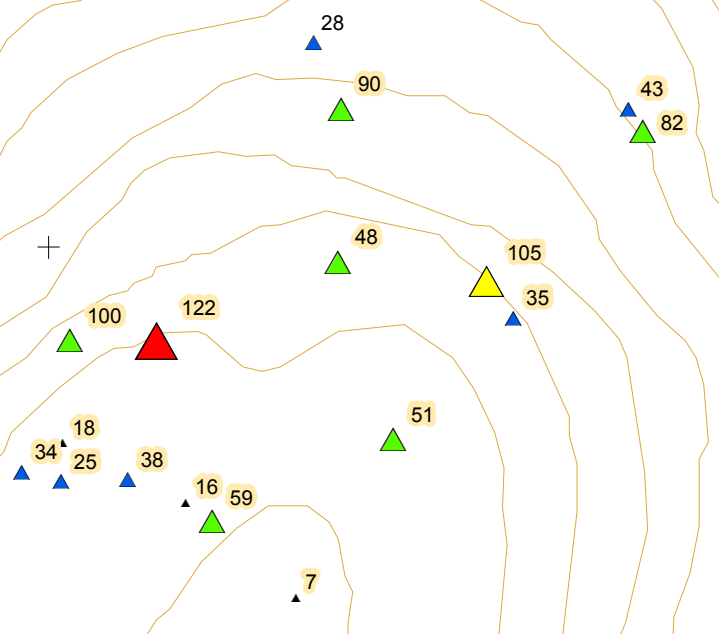
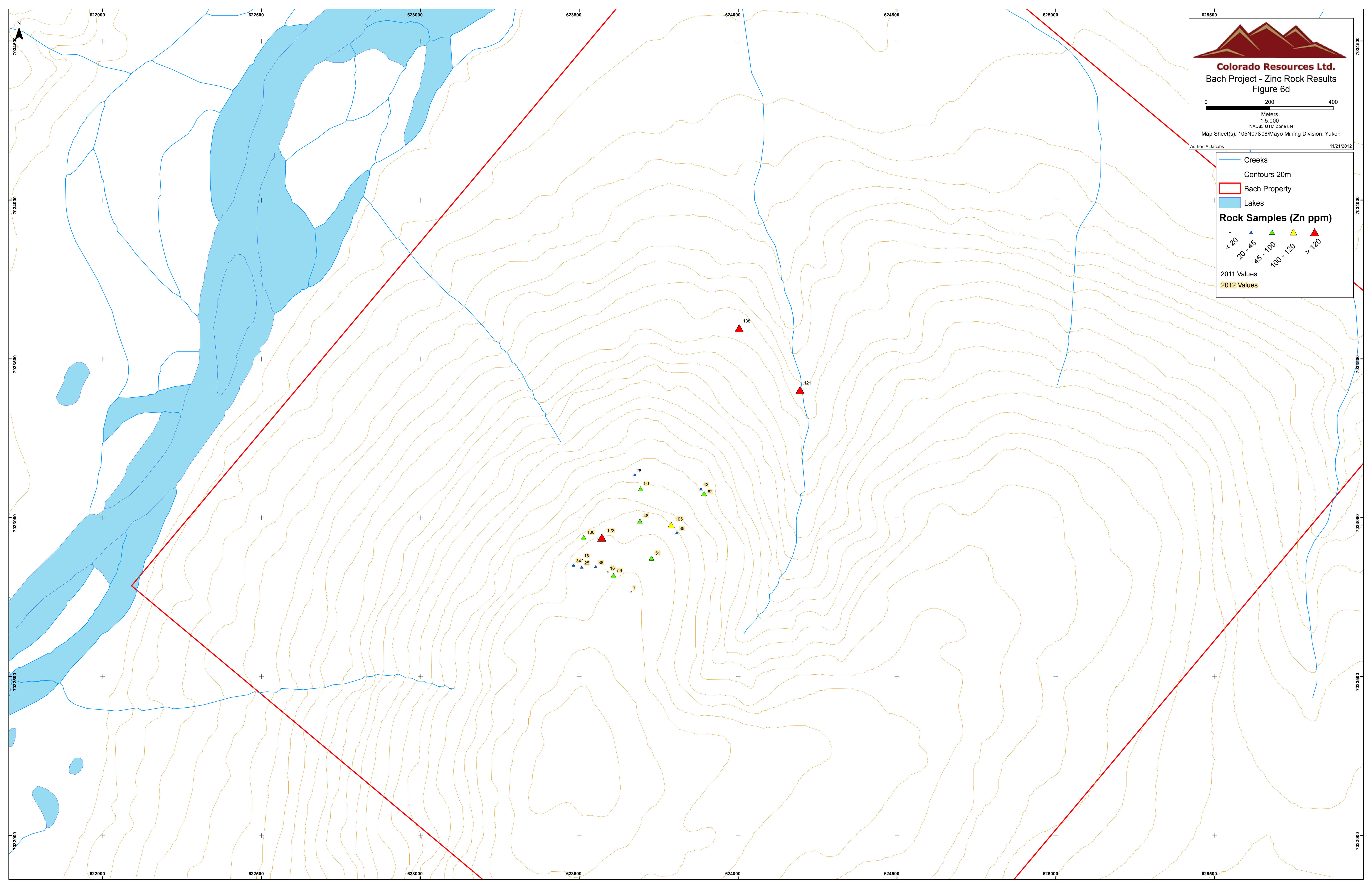
□ Bach Property

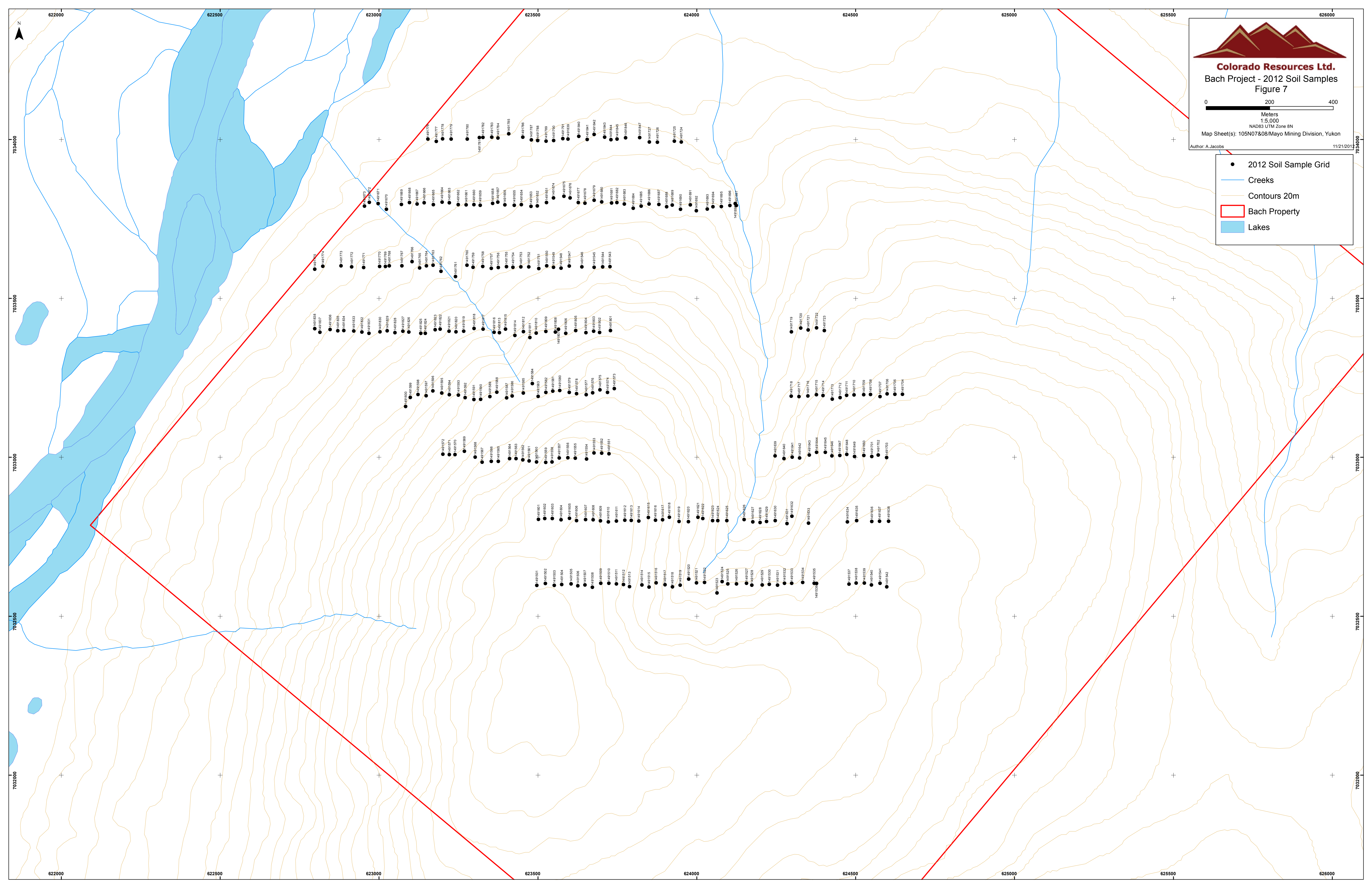
■ Lakes

Rock Samples (As ppm)

▲	▲	▲	▲	▲
<0.7	0.7 - 1.5	1.5 - 6.0	6.0 - 11.0	> 11.0
2011 Values				
2012 Values				



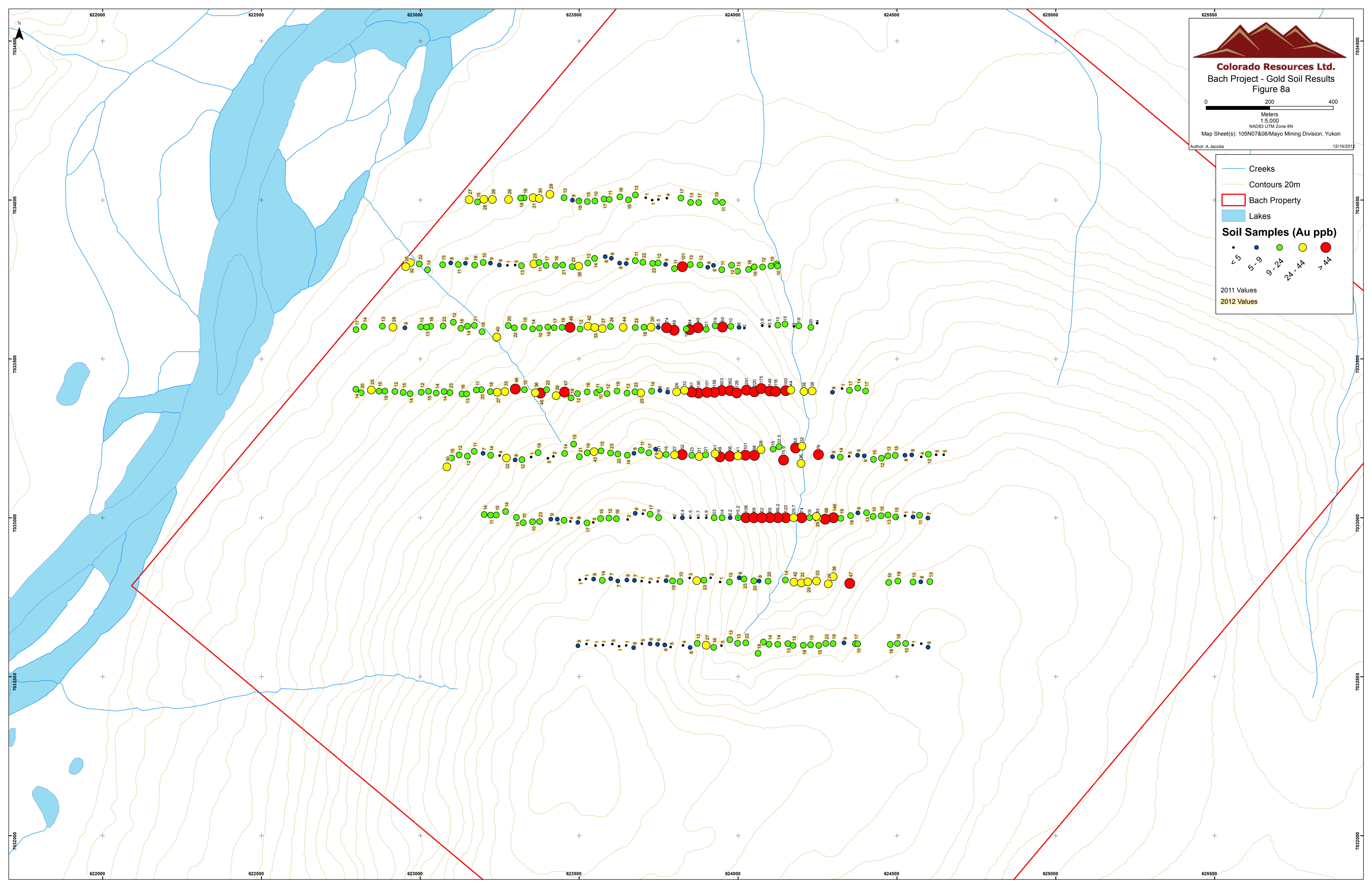


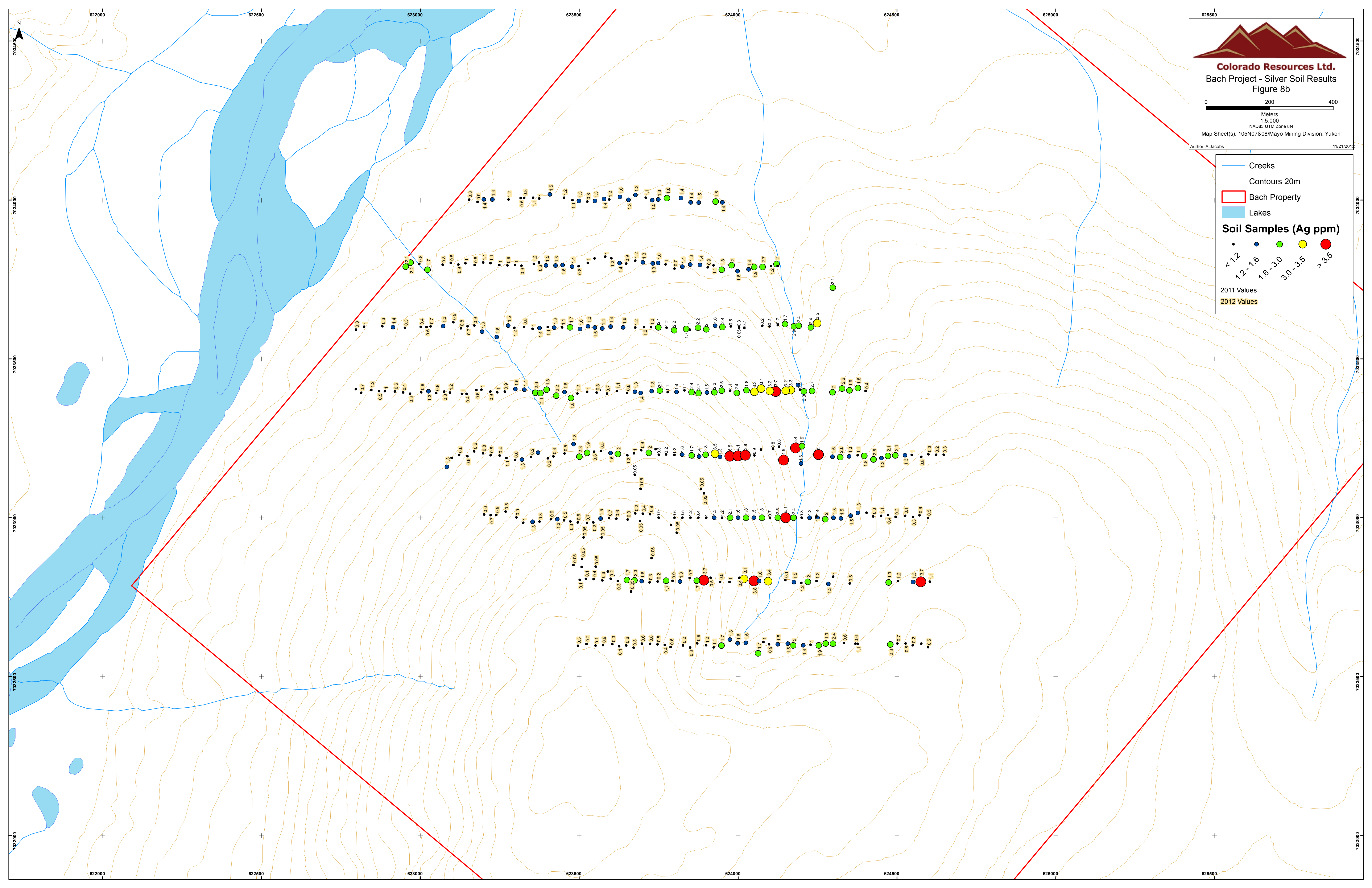


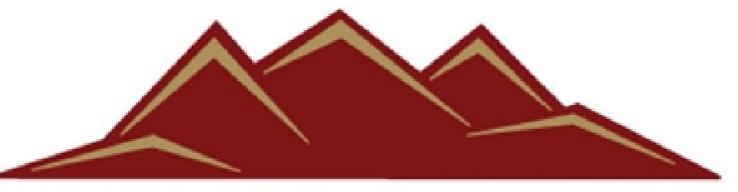

Colorado Resources Ltd.
Bach Project - 2012 Soil Samples
Figure 7

0 200 400
Meters
1:5,000
NAD83 UTM Zone 8N
Map Sheet(s): 105N07&08/Mayo Mining Division, Yukon
Author: A.Jacobs 11/21/2012

- 2012 Soil Sample Grid
- Creeks
- Contours 20m
- Bach Property
- Lakes







Colorado Resources Ltd.
Bach Project - Silver Soil Results
Figure 8b

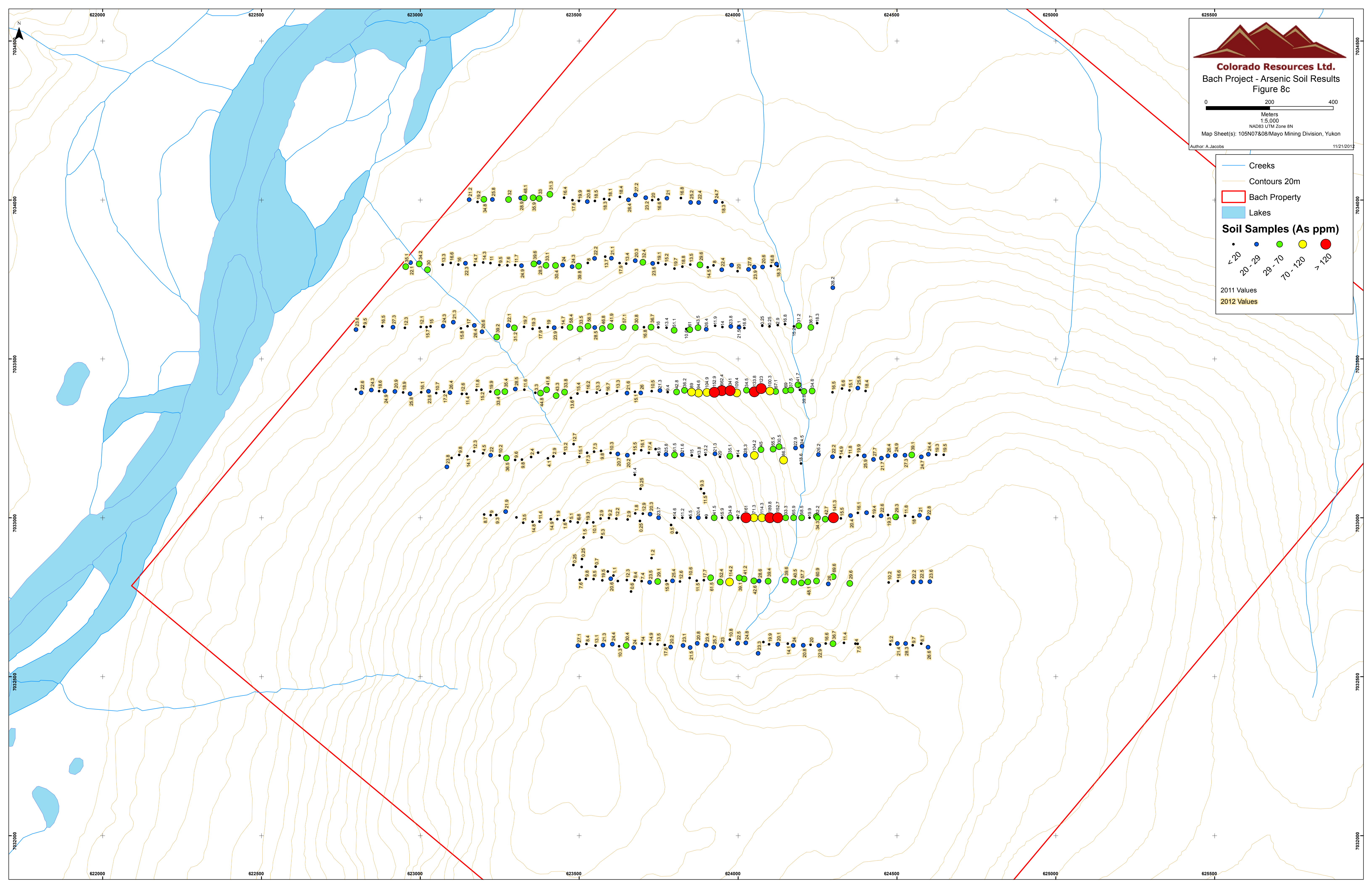
0 200 400
Meters
1:5,000
NAD83 UTM Zone 8N
Map Sheet(s): 105N07&08/Mayo Mining Division, Yukon
Author: A.Jacobs 11/21/2012

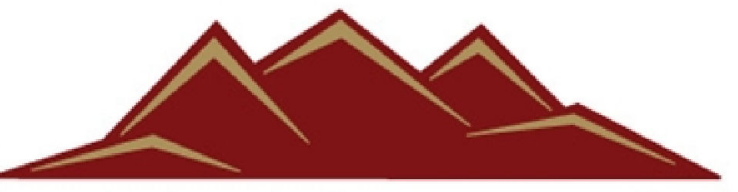
— Creeks
— Contours 20m
□ Bach Property
■ Lakes

Soil Samples (Ag ppm)

•	•	•	•	•
< 1.2	1.2 - 1.6	1.6 - 3.0	3.0 - 3.5	> 3.5

2011 Values
2012 Values





Colorado Resources Ltd.
Bach Project - Arsenic Soil Results
Figure 8c

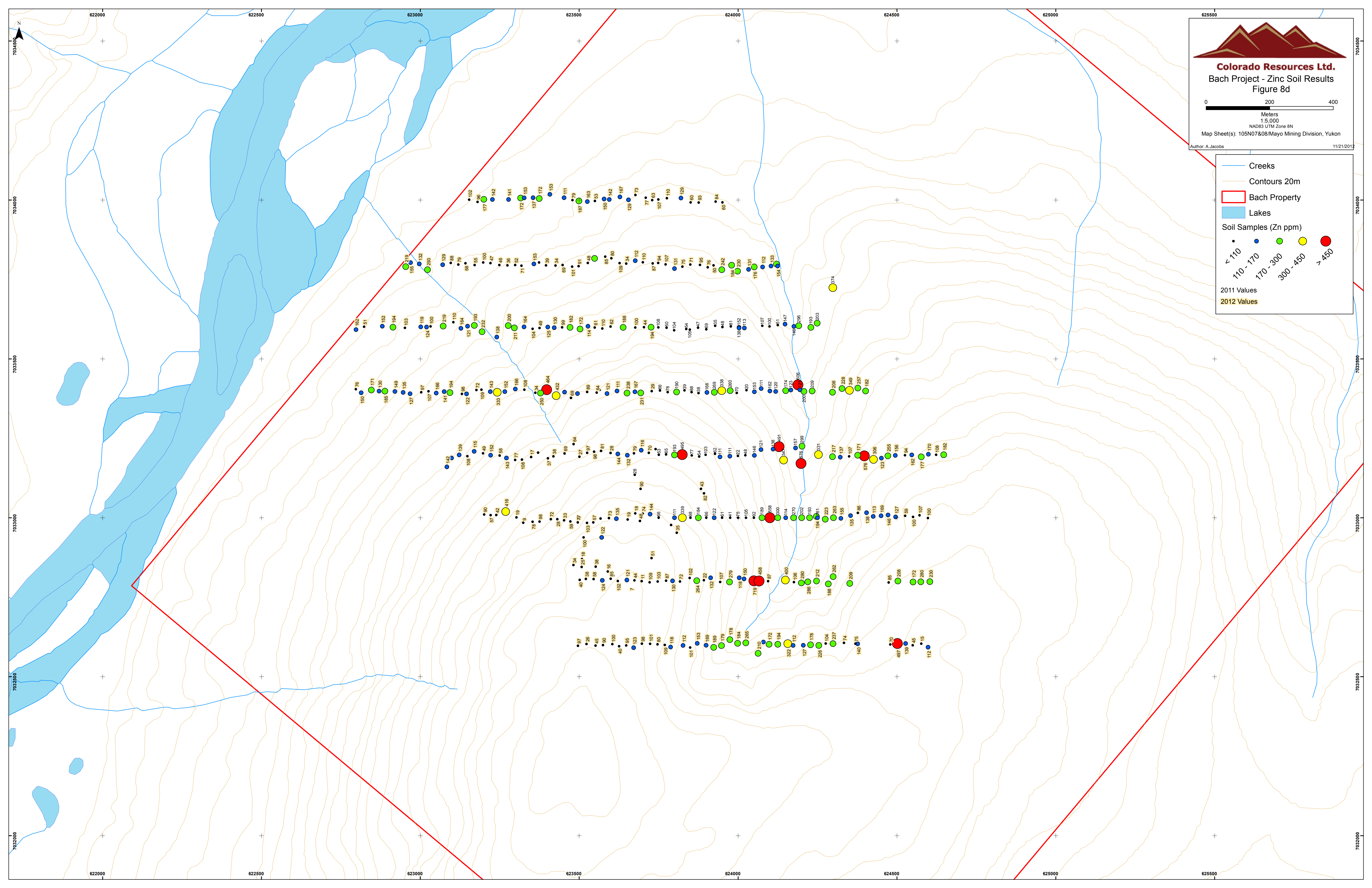
0 200 400
Meters
1:5,000
NAD83 UTM Zone 8N
Map Sheet(s): 105N07&08/Mayo Mining Division, Yukon
Author: A. Jacobs 11/21/2012

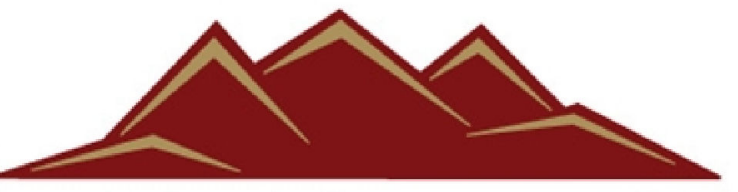
— Creeks
— Contours 20m
□ Bach Property
■ Lakes

Soil Samples (As ppm)

• <20
• 20-29
• 29-70
• 70-120
• >120

2011 Values
2012 Values





Colorado Resources Ltd.
Bach Project - Zinc Soil Results
Figure 8d

0 200 400
Meters
1:5,000
NAD83 UTM Zone 8N
Map Sheet(s): 105N07&08/Mayo Mining Division, Yukon
Author: A.Jacobs 11/21/2012

— Creeks
— Contours 20m
□ Bach Property
■ Lakes

Soil Samples (Zn ppm)

•
•
•
•
•

< 110
110 - 170
170 - 300
300 - 450
> 450

2011 Values
2012 Values



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Client:

Colorado Resources Ltd.

110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

Submitted By: Linda Dandy

Receiving Lab: Canada-Whitehorse

Received: August 03, 2012

Report Date: August 17, 2012

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI12000544.1

CLIENT JOB INFORMATION

Project: Bach Property
Shipment ID: #2
P.O. Number: NA12346
Number of Samples: 16

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT Dispose of Reject After 90 days

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Colorado Resources Ltd.
110 - 2300 Carrington Road
West Kelowna BC V4T 2N6
Canada

CC: Greg Dawson
Allan Jacobs
Jessica Norris

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	16	Crush, split and pulverize 500 g rock to 200 mesh			VAN
3B	16	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	16	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: **Colorado Resources Ltd.**

110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

Project: Bach Property

Report Date: August 17, 2012

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI12000544.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
1290901	Rock	1.77	<2	0.4	94.7	1.9	122	<0.1	43.8	8.1	1104	1.64	5.3	1.8	1.2	48	0.9	0.3	<0.1	15
1290902	Rock	1.67	<2	0.4	42.7	1.9	100	<0.1	21.3	7.2	1045	1.45	1.5	<0.5	0.6	17	0.6	0.6	<0.1	5
1290903	Rock	2.18	3	0.3	34.0	1.0	34	<0.1	9.5	2.1	182	1.17	<0.5	<0.5	0.5	8	<0.1	0.3	<0.1	9
1290904	Rock	1.23	<2	0.5	16.6	1.6	25	<0.1	6.6	2.1	186	1.01	<0.5	<0.5	0.1	2	0.1	0.2	<0.1	2
1290905	Rock	1.34	3	0.2	66.5	0.4	18	<0.1	5.6	1.9	301	1.05	<0.5	1.9	0.4	2	0.1	<0.1	<0.1	5
1290906	Rock	1.64	2	0.4	19.1	2.4	38	<0.1	7.9	4.2	801	1.05	0.7	1.5	0.5	3	0.2	0.2	<0.1	<2
1290907	Rock	1.54	<2	0.2	14.2	0.5	16	<0.1	6.0	0.7	254	1.06	0.6	1.8	0.4	9	0.2	<0.1	<0.1	3
1290908	Rock	1.58	<2	0.2	46.2	1.5	59	<0.1	9.8	2.0	129	1.14	1.1	3.6	1.1	5	0.1	1.6	<0.1	5
1290909	Rock	1.12	<2	0.3	3.0	0.6	7	<0.1	2.4	0.2	124	0.10	0.6	<0.5	0.2	693	0.1	0.1	<0.1	3
1290910	Rock	1.08	5	0.2	44.8	5.1	51	<0.1	18.5	2.2	61	2.96	1.2	3.1	3.9	5	<0.1	0.2	<0.1	19
1290911	Rock	1.80	49	0.1	26.0	4.4	48	<0.1	9.1	5.4	293	1.23	<0.5	2.3	<0.1	17	<0.1	<0.1	<0.1	<2
1290912	Rock	1.70	<2	0.3	34.6	7.2	105	<0.1	27.4	12.4	417	2.52	0.5	0.9	3.7	21	0.2	0.8	<0.1	10
1290913	Rock	1.29	<2	<0.1	18.1	1.4	35	<0.1	14.8	5.3	125	1.93	<0.5	3.2	0.7	7	<0.1	<0.1	<0.1	9
1290914	Rock	1.05	5	0.7	46.6	2.8	82	<0.1	17.3	4.1	199	1.14	11.5	4.6	0.6	3	0.2	0.5	<0.1	3
1290915	Rock	1.72	<2	0.4	24.9	0.5	43	<0.1	15.9	3.6	314	1.42	9.3	1.0	0.4	11	0.3	<0.1	<0.1	5
1290916	Rock	1.10	<2	0.3	84.5	2.0	90	<0.1	24.0	7.8	220	2.21	<0.5	<0.5	5.4	25	0.3	0.1	<0.1	7



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Phone (604) 253-3158 Fax (604) 253-1716

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West Kelowna BC V4T 2N6 Canada

Project: Bach Property

Report Date: August 17, 2012

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI12000544.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1
1290901	Rock	0.033	8	8	0.28	181	0.002	<20	0.50	0.002	0.12	<0.1	0.11	<0.1	<0.05	1.9	<0.5	<1
1290902	Rock	0.012	4	5	0.06	100	<0.001	<20	0.16	0.002	0.06	<0.1	0.11	<0.1	<0.05	1.0	<0.5	<1
1290903	Rock	0.013	3	5	0.16	311	<0.001	<20	0.34	0.002	0.03	<0.1	0.02	<0.1	<0.05	0.9	<0.5	<1
1290904	Rock	0.006	<1	4	0.12	35	<0.001	<20	0.20	0.002	0.02	<0.1	0.01	0.1	<0.05	0.6	<0.5	<1
1290905	Rock	0.004	2	6	0.09	67	<0.001	<20	0.18	0.003	0.04	<0.1	0.02	<0.1	<0.05	0.8	<0.5	<1
1290906	Rock	0.009	3	3	0.02	87	<0.001	<20	0.08	0.003	0.03	<0.1	0.02	<0.1	<0.05	1.2	<0.5	<1
1290907	Rock	0.006	2	4	0.08	99	<0.001	<20	0.15	0.002	0.03	<0.1	<0.01	<0.1	<0.05	0.7	<0.5	<1
1290908	Rock	0.006	5	7	0.15	196	0.001	<20	0.30	0.002	0.05	<0.1	0.01	<0.1	<0.05	0.5	<0.5	<1
1290909	Rock	0.008	2	<1	0.43	271	<0.001	<20	0.02	0.003	0.02	<0.1	0.02	<0.1	<0.05	0.2	<0.5	<1
1290910	Rock	0.021	12	22	0.59	289	0.009	<20	1.19	0.006	0.28	<0.1	0.10	0.1	0.05	2.1	<0.5	4
1290911	Rock	0.011	<1	3	0.13	377	<0.001	<20	0.22	0.002	0.02	<0.1	0.04	<0.1	<0.05	0.4	<0.5	<1
1290912	Rock	0.027	15	10	0.57	164	0.003	<20	1.08	0.001	0.20	<0.1	0.04	<0.1	<0.05	1.7	<0.5	3
1290913	Rock	0.014	3	5	0.50	34	0.002	<20	0.74	0.005	0.04	<0.1	0.03	<0.1	<0.05	1.1	<0.5	3
1290914	Rock	0.004	5	4	0.16	142	0.001	<20	0.27	<0.001	0.07	<0.1	0.11	<0.1	<0.05	1.1	<0.5	<1
1290915	Rock	0.005	3	5	0.19	126	<0.001	<20	0.34	<0.001	0.07	<0.1	<0.01	<0.1	<0.05	1.6	<0.5	<1
1290916	Rock	0.041	20	5	0.43	202	0.002	<20	0.94	0.002	0.21	<0.1	0.03	<0.1	<0.05	2.0	<0.5	1



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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Client: **Colorado Resources Ltd.**
110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

Project: Bach Property
Report Date: August 17, 2012

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

WHI12000544.1

	Method Analyte Unit MDL	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
Pulp Duplicates																					
1290913	Rock	1.29	<2	<0.1	18.1	1.4	35	<0.1	14.8	5.3	125	1.93	<0.5	3.2	0.7	7	<0.1	<0.1	<0.1	9	0.03
REP 1290913	QC	<2																			
Reference Materials																					
STD DS9	Standard			13.3	112.7	132.1	319	2.2	42.3	7.8	538	2.41	26.4	112.1	6.7	76	2.7	5.0	5.4	39	0.74
STD OREAS45CA	Standard			1.0	505.6	20.4	60	0.3	254.4	86.9	928	16.92	3.5	40.8	7.3	15	0.2	0.2	<0.1	220	0.44
STD OXD87	Standard		415																		
STD OXD87	Standard		436																		
STD OXD87	Standard		398																		
STD OXG99	Standard		959																		
STD OXG99	Standard		976																		
STD OXG99	Standard		913																		
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
STD OXD87 Expected			417																		
STD OXG99 Expected			932																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<2																		
BLK	Blank		<2																		
Prep Wash																					
G1-WHI	Prep Blank		<2	0.2	2.5	3.3	47	<0.1	2.5	4.1	526	2.09	<0.5	<0.5	10.2	58	<0.1	<0.1	<0.1	37	0.50
G1-WHI	Prep Blank		<2	0.7	2.7	3.0	46	<0.1	2.1	4.1	527	2.13	0.9	<0.5	5.2	63	<0.1	1.0	<0.1	36	0.51



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110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

Project: Bach Property
Report Date: August 17, 2012

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

WHI12000544.1

Method Analyte Unit MDL		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
Pulp Duplicates																			
1290913	Rock	0.014	3	5	0.50	34	0.002	<20	0.74	0.005	0.04	<0.1	0.03	<0.1	<0.05	1.1	<0.5	3	<0.2
REP 1290913	QC																		
Reference Materials																			
STD DS9	Standard	0.088	13	130	0.63	342	0.116	<20	0.96	0.083	0.40	2.7	0.25	5.6	0.18	2.5	6.7	5	4.8
STD OREAS45CA	Standard	0.037	16	745	0.14	167	0.135	<20	3.54	0.010	0.07	<0.1	0.03	<0.1	<0.05	44.8	<0.5	18	<0.2
STD OXD87	Standard																		
STD OXD87	Standard																		
STD OXD87	Standard																		
STD OXG99	Standard																		
STD OXG99	Standard																		
STD OXG99	Standard																		
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	5.3	0.1615	2.5	5.2	4.59	5.02
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4	
STD OXD87 Expected																			
STD OXG99 Expected																			
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank																		
BLK	Blank																		
Prep Wash																			
G1-WHI	Prep Blank	0.078	14	6	0.50	158	0.127	<20	0.89	0.081	0.47	<0.1	<0.01	0.4	<0.05	2.1	<0.5	5	<0.2
G1-WHI	Prep Blank	0.077	12	5	0.50	167	0.127	<20	0.90	0.083	0.47	<0.1	0.06	0.3	<0.05	2.3	<0.5	5	<0.2



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Client: Colorado Resources Ltd.

110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

Submitted By: Linda Dandy

Receiving Lab: Canada-Whitehorse

Received: August 03, 2012

Report Date: August 16, 2012

Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI12000543.1

CLIENT JOB INFORMATION

Project: Bach Property
Shipment ID: #2
P.O. Number: NA12346
Number of Samples: 316

SAMPLE DISPOSAL

RTRN-PLP Return
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Colorado Resources Ltd.
110 - 2300 Carrington Road
West Kelowna BC V4T 2N6
Canada

CC: Greg Dawson
Allan Jacobs
Jessica Norris

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	313	Dry at 60C			WHI
SS80	313	Dry at 60C sieve 100g to -80 mesh			WHI
3B	313	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	313	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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West Kelowna BC V4T 2N6 Canada

Project: Bach Property
Report Date: August 16, 2012

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CERTIFICATE OF ANALYSIS

WHI12000543.1

	Method Analyte Unit MDL	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1491501	Soil	9	3.5	25.5	22.6	97	0.5	19.7	6.8	376	3.89	27.1	8.4	2.9	35	0.2	1.2	0.3	100	0.05
1491502	Soil	<2	1.8	9.7	10.1	26	0.2	6.9	2.1	80	1.19	8.4	5.2	1.7	9	<0.1	0.4	0.2	65	0.05
1491503	Soil	<2	2.8	14.6	9.6	45	0.1	10.7	3.4	148	2.59	13.1	2.6	2.4	7	<0.1	0.7	0.3	83	0.03
1491504	Soil	<2	4.8	38.6	15.3	90	0.9	19.6	5.0	336	3.64	21.3	2.6	2.8	14	0.2	1.2	0.3	96	0.02
1491505	Soil	5	5.3	34.7	14.0	100	0.3	21.5	5.6	329	3.28	24.4	6.1	2.9	14	0.3	1.6	0.2	101	0.02
1491506	Soil	<2	2.2	10.2	8.8	40	0.1	7.5	2.3	107	1.38	10.3	2.9	0.9	8	0.2	0.6	0.2	71	0.03
1491507	Soil	<2	3.7	16.3	14.9	95	0.6	17.7	5.6	258	3.24	30.4	2.5	3.0	14	0.7	1.3	0.5	80	0.08
1491508	Soil	8	6.3	50.8	12.7	123	0.3	25.4	4.9	167	2.25	24.0	8.0	2.1	26	0.3	2.8	0.2	75	0.06
1491509	Soil	5	4.7	47.6	10.2	98	0.6	20.0	3.2	127	1.64	14.0	4.0	0.2	20	0.9	1.8	0.2	74	0.03
1491510	Soil	6	4.8	49.4	10.2	101	0.8	19.1	3.7	230	1.56	14.9	5.8	0.3	26	0.9	1.5	0.2	79	0.07
1491511	Soil	6	4.9	50.0	9.9	80	0.8	16.5	2.4	69	1.46	13.5	5.3	0.6	22	0.7	1.7	0.2	73	0.04
1491512	Soil	6	5.9	35.4	11.3	109	0.4	17.5	3.0	87	1.71	17.6	5.4	0.6	18	0.4	2.4	0.2	74	0.02
1491513	Soil	5	4.7	25.0	14.7	118	0.6	20.7	6.3	401	2.91	20.2	3.8	0.4	25	0.7	1.9	0.2	93	0.06
1491514	Soil	4	5.8	37.2	12.9	112	0.2	21.1	5.4	232	2.68	23.1	3.0	0.8	17	0.4	2.5	0.2	71	0.03
1491515	Soil	6	5.4	36.1	11.3	101	0.3	22.0	3.9	106	2.06	21.5	5.9	0.9	24	0.4	2.5	0.3	74	0.04
1491516	Soil	13	6.0	58.0	13.1	153	0.9	42.4	10.1	435	2.44	20.8	14.8	1.9	63	1.3	3.3	0.2	62	0.46
1491517	Soil	27	6.7	76.5	11.3	169	1.2	34.5	8.0	264	2.06	23.4	8.7	1.8	80	1.1	4.3	0.2	77	0.50
1491518	Soil	16	7.2	83.2	15.1	189	1.1	47.1	8.5	382	2.43	25.7	13.9	2.1	88	1.1	4.5	0.2	84	0.50
1491519	Soil	5	6.8	79.1	14.0	179	1.7	41.7	8.3	412	2.15	23.0	9.9	0.6	120	1.3	4.3	0.2	80	0.80
1491520	Soil	13	3.6	73.8	10.3	178	1.6	46.9	7.3	536	1.61	10.8	9.4	0.9	135	2.9	3.2	0.2	61	1.58
1491521	Soil	13	7.7	84.4	11.9	184	1.6	36.7	10.7	514	2.15	22.5	6.4	2.5	70	2.0	4.9	0.2	88	0.21
1491522	Soil	22	6.6	102.0	13.8	265	1.6	56.2	8.8	438	2.56	24.8	7.4	2.9	81	3.2	5.4	0.2	100	0.61
1491523	Soil	18	8.2	101.5	15.2	210	1.7	49.5	9.0	506	2.41	23.3	3.1	3.2	102	2.7	5.6	0.2	95	0.49
1491524	Soil	10	4.5	51.4	12.2	144	1.0	28.2	7.4	367	1.97	16.5	5.4	2.6	69	1.4	3.2	0.2	82	0.46
1491525	Soil	14	5.9	76.9	12.1	172	0.9	31.5	6.9	273	2.11	19.9	3.4	3.1	92	1.8	4.5	0.1	79	0.33
1491526	Soil	14	6.3	87.2	12.2	194	1.5	39.2	7.1	331	2.13	20.1	4.3	3.0	105	2.3	5.2	0.2	84	0.53
1491527	Soil	13	4.2	72.4	13.6	322	1.5	67.9	5.4	482	1.70	14.1	8.9	1.5	99	5.6	6.2	0.2	88	1.04
1491528	Soil	15	9.6	52.9	41.5	112	3.0	27.6	28.7	1308	2.14	24.0	9.6	1.5	219	1.2	4.4	0.3	80	0.22
1491529	Soil	18	4.7	63.9	15.6	127	1.4	31.1	5.1	147	2.17	20.8	5.1	2.8	65	1.3	3.0	0.2	82	0.31
1491530	Soil	15	6.9	76.8	12.6	178	1.0	35.9	8.7	318	2.26	20.0	7.6	2.8	74	1.1	6.9	0.1	72	0.40



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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110 - 2300 Carrington Road
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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1491501	Soil	13	35	0.42	330	0.013	<20	1.92	0.006	0.13	0.1	0.07	2.6	0.3	<0.05	7	0.7
1491502	Soil	16	15	0.15	150	0.023	<20	0.99	0.005	0.04	0.2	0.02	1.6	0.1	<0.05	5	<0.5
1491503	Soil	13	20	0.16	127	0.018	<20	1.40	0.006	0.05	0.2	0.03	1.9	0.2	<0.05	8	<0.5
1491504	Soil	17	27	0.22	246	0.007	<20	1.93	0.005	0.10	0.1	0.08	2.6	0.2	<0.05	7	1.3
1491505	Soil	18	29	0.25	299	0.010	<20	1.51	0.003	0.10	0.1	0.05	2.5	0.2	<0.05	6	0.7
1491506	Soil	16	15	0.13	190	0.013	<20	0.97	0.004	0.04	<0.1	0.01	1.2	0.2	<0.05	5	<0.5
1491507	Soil	14	24	0.29	306	0.016	<20	1.28	0.005	0.07	0.2	0.04	2.1	0.2	<0.05	6	1.1
1491508	Soil	19	18	0.22	471	0.004	<20	0.84	0.003	0.11	0.1	0.10	1.7	0.2	<0.05	3	1.9
1491509	Soil	14	19	0.16	689	0.005	<20	0.98	0.008	0.14	0.1	0.19	0.5	0.2	<0.05	4	0.8
1491510	Soil	18	18	0.15	768	0.005	<20	1.01	0.005	0.14	0.1	0.14	0.8	0.2	<0.05	4	1.0
1491511	Soil	18	17	0.14	801	0.006	<20	1.00	0.006	0.12	0.1	0.14	1.4	0.2	<0.05	4	0.9
1491512	Soil	18	14	0.10	314	0.005	<20	0.74	0.004	0.11	0.1	0.06	1.0	0.2	<0.05	3	1.3
1491513	Soil	14	27	0.29	386	0.011	<20	1.21	0.005	0.12	0.2	0.08	1.4	0.2	<0.05	5	0.9
1491514	Soil	17	15	0.17	285	0.006	<20	0.81	0.002	0.11	0.1	0.03	1.1	0.2	<0.05	4	1.7
1491515	Soil	16	18	0.22	426	0.004	<20	0.96	0.004	0.11	7.7	0.12	1.3	0.2	<0.05	4	1.3
1491516	Soil	15	18	0.33	789	0.003	<20	1.05	0.004	0.14	<0.1	0.27	2.3	0.2	<0.05	3	1.8
1491517	Soil	15	20	0.36	1104	0.004	<20	0.93	0.007	0.15	0.1	0.47	2.3	0.2	0.06	3	1.4
1491518	Soil	17	23	0.36	1726	0.005	<20	0.96	0.005	0.18	0.1	0.51	3.0	0.2	<0.05	3	2.1
1491519	Soil	13	20	0.30	2206	0.004	<20	0.95	0.005	0.14	0.1	0.66	1.8	0.2	0.07	3	1.9
1491520	Soil	11	22	0.36	953	0.005	<20	0.93	0.006	0.14	0.1	0.61	1.9	0.2	0.12	2	5.2
1491521	Soil	19	21	0.23	1959	0.006	<20	0.92	0.004	0.15	0.1	0.64	2.7	0.3	<0.05	3	3.4
1491522	Soil	18	24	0.32	1676	0.010	<20	1.05	0.006	0.20	0.1	0.64	4.1	0.3	<0.05	3	2.5
1491523	Soil	16	25	0.31	2100	0.008	<20	0.97	0.006	0.22	0.2	0.74	3.6	0.3	<0.05	3	2.9
1491524	Soil	15	20	0.29	1047	0.006	<20	0.97	0.007	0.19	<0.1	0.39	2.5	0.3	<0.05	3	2.2
1491525	Soil	19	21	0.25	2256	0.007	<20	0.90	0.004	0.16	0.1	0.51	2.6	0.3	<0.05	3	3.4
1491526	Soil	16	22	0.28	2150	0.007	<20	0.90	0.005	0.17	0.2	0.58	3.1	0.3	<0.05	3	2.8
1491527	Soil	14	19	0.28	790	0.005	<20	0.88	0.005	0.14	<0.1	1.17	2.6	0.4	0.06	3	1.9
1491528	Soil	21	24	0.12	736	0.004	<20	0.72	0.002	0.11	<0.1	0.52	2.1	0.2	<0.05	3	3.9
1491529	Soil	15	22	0.26	1046	0.006	<20	1.05	0.004	0.15	0.1	0.64	3.2	0.2	<0.05	3	2.4
1491530	Soil	19	18	0.30	807	0.009	<20	0.78	0.004	0.14	0.1	0.34	2.2	0.3	<0.05	2	2.4



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	Method Analyte Unit MDL	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1491531	Soil	15	7.5	110.8	15.1	226	1.9	50.3	7.3	420	2.53	22.9	10.9	1.7	85	2.3	5.3	0.2	87	0.49	0.176
1491532	Soil	22	5.6	97.5	19.3	104	1.9	29.8	3.7	119	1.55	16.6	10.2	2.9	268	0.9	5.3	0.2	80	0.23	0.123
1491533	Soil	19	11.4	82.2	19.1	237	2.4	44.3	10.4	592	2.50	36.7	5.2	2.3	140	2.4	8.0	0.2	88	0.32	0.175
1491534	Soil	8	1.6	26.8	9.4	74	0.6	18.2	6.4	294	1.35	11.4	4.9	1.4	104	0.5	1.2	0.1	64	1.25	0.087
1491535	Soil	17	0.7	41.9	11.3	75	0.6	15.3	3.8	131	1.28	4.0	6.6	0.5	140	0.8	1.2	0.1	43	2.89	0.177
1491536	Soil	10	2.2	52.1	11.4	140	1.1	21.4	4.3	166	1.38	7.5	5.4	1.6	103	1.0	1.9	0.1	111	2.24	0.365
1491537	Soil	18	2.5	142.8	9.9	70	2.3	38.1	5.6	401	1.43	5.2	8.2	0.4	112	2.9	2.0	0.3	51	3.15	0.103
1491538	Soil	18	20.5	179.6	16.5	497	0.7	57.8	14.5	326	3.49	21.4	10.7	3.9	17	0.9	6.7	0.2	103	0.36	0.312
1491539	Soil	10	7.5	47.2	15.5	139	0.8	28.4	5.6	158	3.27	28.3	11.3	2.4	31	0.4	4.4	0.2	92	0.12	0.192
1491540	Soil	<2	4.0	17.8	9.2	45	0.2	7.4	1.7	56	0.83	9.7	<0.5	<0.1	9	0.4	1.0	0.2	52	0.04	0.039
1491541	Soil	<2	1.2	4.0	6.7	15	0.2	2.9	1.0	47	0.70	6.7	<0.5	<0.1	5	0.2	0.3	0.2	46	0.03	0.027
1491542	Soil	9	5.3	37.8	13.4	112	0.5	23.7	4.6	136	3.07	26.6	8.9	1.7	15	0.5	3.2	0.2	87	0.03	0.113
1491543	Soil	30	6.8	80.9	11.4	194	1.2	40.5	6.5	199	1.97	36.7	2.6	3.2	67	2.1	4.1	0.1	77	0.38	0.170
1491544	Soil	18	2.2	27.5	8.6	44	1.2	9.6	1.3	47	0.75	16.8	3.9	1.0	20	0.4	1.1	0.1	52	0.11	0.066
1491545	Soil	22	5.4	36.1	11.7	100	1.2	20.2	3.6	131	1.57	30.8	2.5	1.7	38	0.5	2.4	0.1	79	0.24	0.140
1491546	Soil	44	8.4	71.5	12.8	188	1.6	37.1	9.9	867	2.38	57.1	8.3	2.0	55	1.8	4.4	0.1	89	0.42	0.144
1491547	Soil	24	8.8	24.6	14.4	62	1.4	12.8	1.7	44	1.75	41.9	8.4	1.2	24	0.2	2.1	0.2	85	0.13	0.108
1491548	Soil	37	8.2	34.8	14.2	110	1.4	20.8	4.4	400	1.92	46.8	10.0	1.8	42	1.1	2.9	0.2	79	0.19	0.090
1491549	Soil	33	5.0	27.2	9.5	61	1.6	14.7	1.7	53	1.19	28.5	35.0	0.6	32	0.5	1.6	0.1	57	0.19	0.086
1491550	Soil	42	10.2	36.4	14.6	114	1.3	22.5	3.6	103	2.00	56.3	8.9	2.3	39	0.5	3.8	0.2	97	0.25	0.154
1491551	Soil	17	20.4	77.6	39.4	144	0.9	68.1	17.2	950	4.29	20.3	10.6	2.0	134	0.7	3.4	0.3	68	0.24	0.183
1491552	Soil	2	8.4	25.3	15.0	74	0.4	23.8	9.5	761	3.82	12.9	1.1	0.5	5	0.2	1.4	0.1	77	0.03	0.049
1491553	Soil	6	0.7	11.6	3.8	18	0.2	4.4	1.0	31	0.54	1.8	3.7	0.5	6	0.2	0.2	<0.1	22	0.03	0.021
1491554	Soil	2	1.5	13.5	6.1	19	0.3	4.9	1.3	45	0.66	2.9	<0.5	<0.1	7	0.2	0.3	<0.1	32	0.02	0.028
1491555	Soil	16	6.4	71.8	24.2	135	0.6	44.2	11.7	805	3.62	12.2	10.9	2.4	37	0.2	1.3	0.2	58	0.32	0.061
1491556	Soil	12	3.2	42.2	10.6	73	0.7	28.0	4.8	135	1.99	9.2	4.1	0.5	46	0.9	0.9	0.1	50	0.47	0.065
1491557	Soil	15	2.3	26.5	9.3	41	1.5	16.3	2.1	51	0.82	2.9	6.5	0.2	39	0.4	0.6	<0.1	25	0.44	0.074
1491558	Soil	5	1.9	34.1	8.2	57	0.2	19.6	7.7	957	1.67	10.1	1.9	0.2	21	0.6	0.6	0.1	36	0.04	0.056
1491559	Soil	17	7.6	73.1	24.2	103	0.7	39.3	15.8	1457	2.93	19.3	7.4	1.0	87	0.8	1.8	0.2	53	0.39	0.113
1491560	Soil	9	2.8	63.5	13.9	77	0.6	31.6	6.7	1759	2.10	6.8	4.4	0.3	33	1.3	0.9	0.2	51	0.12	0.090



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.05	1	0.5
1491531	Soil	17	22	0.35	1225	0.008	<20	1.04	0.005	0.19	0.1	0.76	2.9	0.3	0.07	3	2.7
1491532	Soil	23	24	0.12	865	0.014	<20	0.49	0.005	0.10	0.3	0.83	2.4	0.2	0.11	2	5.0
1491533	Soil	20	20	0.19	838	0.005	<20	0.66	0.003	0.13	<0.1	0.66	2.3	0.3	0.09	2	4.5
1491534	Soil	8	20	0.31	879	0.005	<20	0.92	0.005	0.09	0.2	0.39	1.9	0.1	0.12	3	1.9
1491535	Soil	7	12	0.50	702	0.008	<20	0.80	0.008	0.11	<0.1	0.32	1.4	0.1	0.21	2	4.6
1491536	Soil	16	21	0.60	680	0.011	<20	1.10	0.004	0.26	<0.1	0.43	2.6	0.3	0.09	3	2.0
1491537	Soil	9	14	0.23	2329	0.005	<20	0.82	0.004	0.05	<0.1	0.68	1.8	0.1	0.10	2	4.2
1491538	Soil	20	16	0.29	259	0.004	<20	1.08	0.001	0.24	<0.1	0.12	3.1	0.4	<0.05	4	8.1
1491539	Soil	13	21	0.20	317	0.004	<20	0.97	0.002	0.11	0.1	0.08	1.8	0.2	<0.05	3	2.3
1491540	Soil	15	10	0.04	282	0.006	<20	0.50	0.001	0.05	<0.1	0.03	0.4	0.2	<0.05	3	0.9
1491541	Soil	12	10	0.06	72	0.012	<20	0.53	0.003	0.02	0.1	<0.01	0.4	0.1	<0.05	5	<0.5
1491542	Soil	11	21	0.17	256	0.005	<20	1.12	0.003	0.08	0.2	0.10	1.7	0.2	<0.05	4	2.3
1491543	Soil	16	18	0.24	1888	0.005	<20	0.80	0.004	0.13	0.2	0.50	3.2	0.3	<0.05	2	5.6
1491544	Soil	14	15	0.13	468	0.004	<20	0.69	0.003	0.10	<0.1	0.47	1.3	0.2	<0.05	3	2.1
1491545	Soil	14	18	0.21	760	0.004	<20	0.74	0.004	0.14	0.1	0.52	1.8	0.3	<0.05	3	3.2
1491546	Soil	15	19	0.28	1121	0.005	<20	0.91	0.004	0.15	<0.1	0.54	2.8	0.3	<0.05	3	4.1
1491547	Soil	14	17	0.17	326	0.004	<20	0.73	0.004	0.11	0.2	0.56	1.5	0.2	<0.05	3	2.3
1491548	Soil	18	16	0.19	545	0.004	<20	0.72	0.003	0.10	<0.1	0.31	1.5	0.2	<0.05	3	2.2
1491549	Soil	12	13	0.16	360	0.002	<20	0.63	0.003	0.10	<0.1	0.57	0.7	0.3	<0.05	3	2.3
1491550	Soil	18	17	0.23	391	0.004	<20	0.76	0.003	0.15	0.1	0.31	1.8	0.3	<0.05	3	3.3
1491551	Soil	25	25	0.31	625	0.006	<20	1.16	0.003	0.21	<0.1	0.42	3.0	0.4	0.19	4	2.5
1491552	Soil	17	16	0.10	143	0.008	<20	0.92	0.004	0.08	<0.1	0.04	1.2	0.2	<0.05	5	0.6
1491553	Soil	7	6	0.04	142	0.010	<20	0.42	0.012	0.03	<0.1	0.04	0.9	0.1	<0.05	3	<0.5
1491554	Soil	8	7	0.04	97	0.008	<20	0.40	0.011	0.03	<0.1	0.02	0.6	<0.1	<0.05	3	<0.5
1491555	Soil	22	24	0.36	639	0.004	<20	1.41	0.005	0.14	<0.1	0.31	2.7	0.2	<0.05	5	1.6
1491556	Soil	12	19	0.21	602	0.005	<20	0.85	0.004	0.09	0.2	0.15	1.3	0.1	<0.05	4	0.9
1491557	Soil	8	16	0.13	231	0.005	<20	0.56	0.009	0.09	<0.1	0.39	0.9	0.1	0.08	2	1.8
1491558	Soil	9	16	0.12	151	0.006	<20	0.75	0.009	0.06	<0.1	0.07	0.8	<0.1	<0.05	3	<0.5
1491559	Soil	17	22	0.20	526	0.003	<20	0.85	0.003	0.14	<0.1	0.22	1.7	0.2	0.08	3	1.5
1491560	Soil	10	20	0.08	584	0.004	<20	0.68	0.009	0.07	<0.1	0.42	1.1	0.1	<0.05	3	0.8



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client:

Colorado Resources Ltd.

110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

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	Method Analyte Unit MDL	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1491561	Soil	4	1.6	48.7	11.7	59	0.3	23.9	9.9	1545	1.38	5.1	<0.5	0.2	16	1.0	0.3	<0.1	21	0.05	0.064
1491562	Soil	11	0.6	54.6	3.3	33	0.5	20.6	1.3	68	0.41	1.6	0.9	<0.1	54	1.4	0.4	<0.1	14	0.52	0.033
1491563	Soil	9	2.4	42.3	2.3	28	1.3	12.6	1.0	178	0.26	1.9	1.8	0.1	214	0.6	1.0	<0.1	13	2.69	0.085
1491564	Soil	9	4.1	33.2	12.4	72	0.9	22.3	6.0	342	1.58	14.9	2.8	2.0	76	0.4	1.4	0.2	71	0.76	0.068
1491565	Soil	23	2.5	47.1	10.5	98	0.8	24.5	5.4	231	1.59	11.4	3.8	2.3	182	0.5	1.6	0.1	57	1.54	0.092
1491566	Soil	10	3.4	34.1	14.1	78	1.3	18.6	9.2	883	1.99	14.8	6.4	1.3	162	0.7	1.4	0.1	58	1.44	0.101
1491567	Soil	10	0.8	15.5	6.4	9	1.0	3.8	0.9	47	0.40	3.5	6.9	0.5	17	0.2	0.3	0.1	21	0.12	0.029
1491568	Soil	10	3.8	11.2	19.3	19	0.9	6.8	1.1	47	0.76	6.4	4.3	0.5	17	<0.1	0.7	<0.1	30	0.06	0.031
1491569	Soil	14	21.2	145.6	32.1	416	0.5	127.7	39.4	1146	5.95	21.9	7.2	4.8	47	0.8	4.6	0.2	80	0.06	0.127
1491570	Soil	10	3.2	44.0	12.9	42	0.5	16.0	7.1	894	1.39	9.3	3.8	1.6	26	0.4	0.7	0.1	59	0.13	0.047
1491571	Soil	11	4.0	55.8	12.5	57	0.7	17.0	11.4	1208	1.46	9.0	7.2	1.3	27	0.6	1.1	0.1	56	0.15	0.063
1491572	Soil	14	3.7	54.7	10.6	90	0.6	24.8	8.3	402	1.55	8.7	7.4	1.9	34	0.6	1.1	0.1	57	0.18	0.077
1491573	Soil	9	11.1	45.9	21.6	88	0.4	24.5	8.5	443	2.73	13.8	3.9	2.5	74	0.5	2.2	0.2	38	0.07	0.073
1491574	Soil	17	6.4	78.4	12.7	70	2.0	33.4	5.6	193	2.25	17.4	7.8	1.5	29	2.5	2.1	0.2	65	0.18	0.109
1491575	Soil	11	8.3	37.8	10.2	116	0.9	22.8	6.5	274	1.69	16.1	1.8	2.7	38	0.9	2.8	0.2	61	0.23	0.108
1491576	Soil	8	4.5	20.9	9.3	79	1.0	15.8	3.2	92	1.55	15.5	1.2	2.0	38	0.5	1.8	0.1	48	0.31	0.079
1491577	Soil	14	7.4	42.4	15.3	132	1.2	27.3	6.2	450	2.18	20.2	1.7	2.6	45	0.5	3.5	0.2	51	0.31	0.086
1491578	Soil	22	9.6	54.9	20.1	144	2.0	31.9	5.8	428	1.76	20.7	1.9	1.5	62	1.6	5.4	0.2	79	0.34	0.087
1491579	Soil	23	6.4	25.2	12.9	28	1.6	10.9	4.0	857	0.81	10.3	8.9	1.2	19	0.5	3.7	0.1	27	0.04	0.017
1491580	Soil	15	4.5	44.8	10.8	81	0.5	30.2	8.6	1567	1.54	9.8	8.2	0.9	15	0.8	1.7	0.2	33	0.06	0.043
1491581	Soil	43	5.1	41.5	14.5	98	0.6	28.2	9.8	1559	2.35	7.3	10.7	0.8	31	0.6	1.4	0.1	38	0.19	0.056
1491582	Soil	19	11.4	34.6	21.3	97	1.9	28.0	4.0	331	1.70	17.3	<0.5	1.4	25	0.3	3.1	0.2	58	0.12	0.064
1491583	Soil	21	4.0	27.5	18.1	27	2.3	8.9	2.8	264	1.42	15.1	10.5	1.0	26	0.2	1.7	0.2	55	0.04	0.053
1491584	Soil	15	5.5	24.9	22.5	64	1.3	17.8	7.1	509	1.60	12.7	4.8	1.5	23	0.2	2.4	0.2	34	0.05	0.053
1491585	Soil	14	4.1	24.9	15.0	69	0.5	19.5	8.5	616	1.66	13.2	4.2	0.9	15	0.3	3.4	0.1	20	0.05	0.038
1491586	Soil	2	1.1	32.3	12.0	38	0.4	13.0	2.4	444	0.80	2.9	<0.5	0.1	8	1.5	0.4	<0.1	14	0.04	0.030
1491587	Soil	5	2.1	25.9	7.3	37	0.2	13.9	3.7	281	0.85	4.1	2.7	0.8	5	0.3	0.4	0.1	30	0.02	0.028
1491588	Soil	18	6.3	48.8	28.6	92	1.3	26.4	31.1	1895	3.10	11.6	10.0	1.5	41	0.5	1.5	0.3	51	0.18	0.099
1491589	Soil	<2	1.2	8.6	2.7	17	0.2	4.9	1.1	65	0.40	2.4	<0.5	<0.1	4	0.1	0.3	<0.1	18	0.02	0.017
1491590	Soil	12	3.5	36.8	16.6	108	1.3	25.9	12.7	1075	2.09	9.8	8.3	0.9	24	1.0	1.1	0.2	42	0.14	0.071



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.05	1	0.5
1491561	Soil	7	14	0.04	193	0.006	<20	0.34	0.014	0.05	<0.1	0.04	0.7	<0.1	<0.05	2	<0.5
1491562	Soil	3	5	0.06	352	0.007	<20	0.27	0.020	0.03	<0.1	0.14	0.7	<0.1	<0.05	<1	0.6
1491563	Soil	1	6	0.40	606	0.003	<20	0.21	0.006	0.04	<0.1	0.22	0.7	<0.1	0.30	<1	1.3
1491564	Soil	12	19	0.34	738	0.005	<20	0.89	0.007	0.14	<0.1	0.51	2.0	0.2	0.06	3	1.5
1491565	Soil	10	18	0.48	774	0.004	<20	0.89	0.005	0.13	0.1	0.48	2.8	0.2	0.06	2	2.7
1491566	Soil	8	17	0.35	570	0.002	<20	0.77	0.005	0.11	0.1	0.53	2.2	0.2	0.10	3	4.5
1491567	Soil	14	9	0.05	239	0.003	<20	0.26	0.002	0.05	<0.1	0.45	0.7	0.1	<0.05	1	0.5
1491568	Soil	14	10	0.04	240	0.003	<20	0.26	0.006	0.09	<0.1	0.30	0.5	0.2	<0.05	2	0.7
1491569	Soil	29	29	0.56	368	0.005	<20	1.69	0.003	0.19	<0.1	0.27	4.3	0.3	<0.05	5	3.5
1491570	Soil	16	17	0.15	457	0.002	<20	0.84	0.004	0.11	<0.1	0.17	1.7	0.2	<0.05	4	0.7
1491571	Soil	14	12	0.13	444	0.003	<20	0.69	0.004	0.10	0.1	0.13	1.7	0.2	<0.05	3	0.8
1491572	Soil	17	18	0.17	488	0.003	<20	0.78	0.003	0.12	<0.1	0.20	2.1	0.2	<0.05	3	0.8
1491573	Soil	18	13	0.26	340	0.005	<20	0.79	0.003	0.11	<0.1	0.11	1.8	0.2	<0.05	3	1.8
1491574	Soil	10	14	0.09	1186	0.002	<20	0.84	0.003	0.05	0.1	0.85	2.9	0.2	<0.05	2	4.8
1491575	Soil	15	14	0.21	847	0.004	<20	0.63	0.002	0.09	<0.1	0.51	1.9	0.2	<0.05	2	2.0
1491576	Soil	12	13	0.23	457	0.004	<20	0.63	0.005	0.08	<0.1	0.44	1.5	0.2	<0.05	3	2.3
1491577	Soil	16	13	0.19	336	0.003	<20	0.58	0.002	0.09	<0.1	0.54	1.6	0.2	<0.05	2	3.5
1491578	Soil	17	15	0.20	599	0.004	<20	0.66	0.003	0.09	<0.1	2.53	2.1	0.3	<0.05	2	4.9
1491579	Soil	14	6	0.02	280	0.002	<20	0.20	<0.001	0.06	<0.1	0.70	1.0	0.2	<0.05	<1	2.0
1491580	Soil	16	11	0.06	272	0.003	<20	0.44	<0.001	0.07	<0.1	0.19	1.3	0.1	<0.05	2	0.7
1491581	Soil	13	14	0.15	312	0.004	<20	0.65	0.003	0.07	<0.1	0.23	1.5	0.1	<0.05	3	0.9
1491582	Soil	19	13	0.13	194	0.002	<20	0.57	0.001	0.09	<0.1	1.00	1.1	0.3	<0.05	2	3.0
1491583	Soil	17	12	0.07	266	0.003	<20	0.41	0.001	0.06	<0.1	1.77	1.1	0.2	<0.05	2	2.5
1491584	Soil	17	12	0.12	217	0.003	<20	0.50	0.001	0.08	<0.1	0.70	1.0	0.2	<0.05	2	1.7
1491585	Soil	14	7	0.05	197	0.003	<20	0.26	0.001	0.06	<0.1	0.26	0.8	0.1	<0.05	1	1.4
1491586	Soil	5	7	0.03	134	0.006	<20	0.21	0.009	0.04	<0.1	0.07	0.9	<0.1	<0.05	1	<0.5
1491587	Soil	13	10	0.04	132	0.004	<20	0.37	0.002	0.06	<0.1	0.06	0.7	<0.1	<0.05	2	<0.5
1491588	Soil	12	20	0.16	433	0.003	<20	0.85	0.003	0.12	<0.1	0.33	1.9	0.2	<0.05	3	1.5
1491589	Soil	4	5	0.02	39	0.006	<20	0.15	0.011	0.02	0.1	0.03	0.2	<0.1	<0.05	1	<0.5
1491590	Soil	14	17	0.18	423	0.005	<20	0.86	0.005	0.08	0.1	0.84	1.6	0.2	<0.05	3	1.1



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110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

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	Method Analyte Unit MDL	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1491591	Soil	8	2.6	32.9	13.3	77	0.6	20.0	8.1	803	1.50	9.6	2.7	0.5	24	0.4	1.3	0.2	34	0.13	0.047
1491592	Soil	32	7.4	60.2	13.8	143	1.1	29.9	9.7	1030	1.99	36.5	5.9	2.5	42	1.0	3.5	0.2	54	0.16	0.100
1491593	Soil	4	5.3	26.8	7.5	58	0.4	15.2	4.3	443	1.23	10.2	1.2	1.1	13	0.4	1.2	0.1	34	0.05	0.040
1491594	Soil	14	6.4	48.8	16.6	152	0.8	33.4	8.7	913	2.73	22.0	8.3	2.8	30	1.1	2.6	0.2	69	0.14	0.111
1491595	Soil	7	0.6	29.0	8.7	49	0.8	17.6	0.9	45	0.65	4.5	3.5	1.1	33	0.9	0.8	0.1	29	0.21	0.059
1491596	Soil	11	4.4	46.7	12.1	115	0.6	28.6	7.9	608	1.57	12.3	2.7	1.1	70	1.0	2.6	0.1	44	0.77	0.093
1491597	Soil	12	4.9	40.3	9.9	108	0.6	25.2	8.0	417	1.87	14.1	3.3	2.1	30	0.6	2.0	0.1	48	0.16	0.103
1491598	Soil	12	4.8	46.9	9.6	139	0.6	29.4	8.2	334	1.68	9.8	1.4	2.5	36	1.1	1.9	0.1	51	0.21	0.094
1491599	Soil	15	6.5	34.7	10.4	112	0.5	20.5	10.8	659	1.77	14.2	7.7	2.4	22	0.5	2.3	0.1	60	0.12	0.078
1491600	Soil	30	8.0	52.1	12.6	142	1.3	31.5	9.7	675	1.80	23.8	5.5	1.8	43	1.2	2.8	0.1	70	0.24	0.082
1491601	Soil	<2	2.4	13.9	7.2	40	0.1	9.0	3.2	322	1.41	7.6	<0.5	1.0	5	<0.1	0.5	0.1	59	0.02	0.031
1491602	Soil	<2	2.5	12.3	8.7	38	0.1	8.1	2.2	82	1.38	9.8	<0.5	1.5	8	0.1	0.6	0.1	60	0.03	0.028
1491603	Soil	8	2.6	31.0	10.8	58	0.4	11.7	2.7	103	1.54	8.5	3.0	0.9	12	0.3	0.6	0.2	59	0.05	0.047
1491604	Soil	14	4.3	35.5	12.7	124	0.6	24.6	6.4	336	3.32	19.5	8.8	1.3	13	0.3	1.6	0.2	65	0.06	0.099
1491605	Soil	7	4.3	42.7	10.3	85	0.2	20.0	4.3	166	2.20	20.6	7.9	2.1	9	0.3	1.6	0.3	64	0.02	0.051
1491606	Soil	7	4.1	38.1	13.0	102	0.3	19.9	4.2	213	2.76	16.3	2.0	2.5	8	0.3	1.2	0.2	77	0.02	0.072
1491607	Soil	8	5.3	67.5	12.8	121	1.7	18.2	3.5	177	2.05	12.3	9.7	1.5	10	0.2	1.2	0.2	85	0.04	0.091
1491608	Soil	7	2.7	13.3	13.1	44	2.3	11.9	4.5	344	1.93	9.4	3.1	0.9	27	0.2	1.2	0.2	81	0.66	0.041
1491609	Soil	<2	4.1	11.6	8.5	11	1.6	3.2	0.5	28	1.03	7.4	19.4	1.4	10	0.2	1.3	0.1	28	<0.01	0.026
1491610	Soil	2	4.2	30.6	14.5	109	0.3	22.4	6.7	321	2.86	23.5	3.1	2.8	13	0.4	2.3	0.3	79	0.03	0.045
1491611	Soil	<2	4.0	23.1	15.4	103	0.2	19.8	5.7	230	3.41	29.1	4.6	2.3	13	0.6	1.8	0.3	81	0.04	0.069
1491612	Soil	6	3.5	24.7	26.0	87	1.7	21.7	5.9	210	2.70	15.9	4.7	3.0	17	0.7	1.7	0.2	69	0.04	0.055
1491613	Soil	19	6.9	54.6	14.7	130	0.9	30.0	7.0	276	2.81	25.4	15.5	3.3	36	0.5	3.9	0.2	72	0.03	0.068
1491614	Soil	10	6.4	42.7	41.2	72	1.3	30.9	5.5	348	3.02	12.6	7.9	1.7	126	0.3	3.5	0.3	37	0.04	0.081
1491615	Soil	3	4.0	28.3	10.3	102	0.7	18.3	5.7	169	2.54	10.6	3.8	0.6	13	1.0	1.5	0.2	58	0.04	0.050
1491616	Soil	25	5.0	104.6	23.1	264	1.7	89.7	23.1	704	4.58	11.5	18.0	4.1	27	0.8	2.7	0.3	44	0.04	0.065
1491617	Soil	23	8.7	30.2	23.5	22	3.7	8.7	1.1	38	2.02	17.7	15.4	1.6	100	0.1	2.8	0.2	110	0.06	0.065
1491618	Soil	2	3.1	16.9	16.4	132	0.5	20.0	7.2	310	2.97	61.5	2.5	1.1	16	1.3	1.8	0.2	66	0.06	0.094
1491619	Soil	<2	4.1	27.8	9.5	107	0.5	20.9	4.9	141	2.14	52.4	4.2	1.8	16	0.8	2.5	0.2	56	0.04	0.034
1491620	Soil	13	4.7	61.9	15.3	279	1.0	64.7	20.8	2313	2.92	114.2	13.0	1.4	75	1.3	3.1	0.2	75	1.79	0.261



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.05	1	0.5
1491591	Soil	9	11	0.10	283	0.005	<20	0.51	0.009	0.07	<0.1	0.15	1.0	0.1	<0.05	2	0.7
1491592	Soil	20	14	0.17	447	0.004	<20	0.59	0.002	0.11	<0.1	0.60	2.2	0.2	<0.05	2	3.0
1491593	Soil	14	9	0.06	286	0.004	<20	0.38	0.003	0.07	<0.1	0.13	1.1	0.1	<0.05	2	<0.5
1491594	Soil	15	21	0.24	518	0.006	<20	0.92	0.003	0.15	0.2	0.70	2.8	0.3	<0.05	3	2.1
1491595	Soil	11	13	0.13	591	0.003	<20	0.57	0.003	0.10	0.1	0.56	1.4	0.2	<0.05	2	1.0
1491596	Soil	9	13	0.22	829	0.003	<20	0.60	0.004	0.11	0.1	0.28	1.7	0.1	<0.05	2	1.8
1491597	Soil	15	16	0.21	612	0.004	<20	0.68	0.003	0.12	0.1	0.25	1.7	0.2	<0.05	2	1.5
1491598	Soil	17	17	0.27	929	0.006	<20	0.79	0.003	0.11	0.1	0.36	2.4	0.2	<0.05	2	1.4
1491599	Soil	15	16	0.20	319	0.005	<20	0.72	0.003	0.10	0.1	0.20	1.5	0.2	<0.05	3	1.3
1491600	Soil	14	17	0.19	807	0.003	<20	0.77	0.004	0.14	<0.1	0.45	2.3	0.2	<0.05	3	2.2
1491601	Soil	13	14	0.11	125	0.011	<20	0.81	0.002	0.05	0.1	0.02	1.2	0.1	<0.05	5	<0.5
1491602	Soil	13	13	0.11	196	0.013	<20	0.78	0.003	0.04	0.1	0.02	1.2	0.1	<0.05	5	<0.5
1491603	Soil	13	18	0.10	316	0.007	<20	1.12	0.002	0.05	0.2	0.11	1.4	0.2	<0.05	5	0.6
1491604	Soil	11	23	0.26	235	0.007	<20	1.25	0.003	0.08	0.2	0.06	1.7	0.2	<0.05	4	0.9
1491605	Soil	15	16	0.15	393	0.005	<20	0.92	0.001	0.08	0.2	0.02	1.6	0.1	<0.05	4	0.8
1491606	Soil	12	22	0.17	188	0.006	<20	1.50	<0.001	0.07	0.2	0.05	1.8	0.2	<0.05	5	0.8
1491607	Soil	12	17	0.12	156	0.011	<20	0.83	0.002	0.07	0.1	0.06	1.5	0.2	<0.05	5	0.8
1491608	Soil	13	25	0.21	477	0.011	<20	0.92	0.004	0.06	0.2	0.23	1.8	0.2	<0.05	4	0.9
1491609	Soil	13	12	0.02	231	0.003	<20	0.37	0.002	0.12	<0.1	0.69	0.6	0.2	0.19	<1	2.0
1491610	Soil	13	20	0.18	198	0.009	<20	1.21	0.002	0.06	0.1	0.03	1.9	0.2	<0.05	5	0.9
1491611	Soil	12	20	0.19	257	0.011	<20	1.19	0.003	0.05	0.2	0.03	2.0	0.2	<0.05	7	0.6
1491612	Soil	13	25	0.20	224	0.010	<20	1.38	0.003	0.07	0.2	0.16	2.1	0.1	<0.05	4	<0.5
1491613	Soil	19	22	0.25	435	0.005	<20	1.20	0.002	0.13	0.1	0.31	2.2	0.2	<0.05	3	1.7
1491614	Soil	18	17	0.16	508	0.003	<20	0.61	0.004	0.15	<0.1	0.13	1.4	0.2	0.20	2	1.4
1491615	Soil	14	16	0.16	245	0.008	<20	0.85	0.004	0.08	0.1	0.03	1.1	0.1	<0.05	4	<0.5
1491616	Soil	21	28	0.62	414	0.005	<20	1.52	0.003	0.21	<0.1	0.14	2.9	0.2	<0.05	5	2.3
1491617	Soil	15	16	0.03	371	0.003	<20	0.28	0.010	0.25	<0.1	0.48	0.9	0.5	0.52	1	3.8
1491618	Soil	13	20	0.19	343	0.009	<20	1.05	0.004	0.09	0.2	0.04	1.3	0.1	<0.05	5	<0.5
1491619	Soil	12	13	0.14	216	0.007	<20	0.78	0.009	0.07	<0.1	0.04	1.4	0.1	<0.05	3	<0.5
1491620	Soil	15	25	0.28	937	0.006	<20	1.41	0.005	0.09	<0.1	0.41	3.9	0.2	<0.05	4	1.4



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

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	Method Analyte Unit MDL	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1491621	Soil	6	5.3	37.9	13.3	118	0.4	29.1	7.1	191	3.18	39.1	2.7	2.3	16	0.4	2.3	0.2	59	0.09
1491622	Soil	23	11.1	41.0	18.7	150	3.1	32.2	5.5	156	2.75	41.2	8.1	3.4	125	0.7	4.9	0.3	77	0.52
1491623	Soil	20	13.1	125.8	14.4	719	3.8	81.3	8.3	211	2.87	42.6	18.0	3.1	82	16.0	12.3	0.3	80	0.76
1491624	Soil	8	21.5	58.7	12.3	458	1.6	69.5	6.4	276	1.89	28.6	7.3	1.6	98	4.3	9.2	0.2	120	1.36
1491625	Soil	20	15.1	45.2	13.5	87	3.4	23.0	2.1	113	1.98	39.4	13.1	2.0	143	1.1	9.5	0.2	121	0.48
1491626	Soil	14	5.6	159.8	16.1	400	0.1	104.3	22.8	652	4.07	39.6	6.7	4.8	20	0.8	4.4	0.3	56	0.13
1491627	Soil	42	5.4	50.6	14.6	106	1.5	24.9	6.4	383	2.45	40.5	37.9	0.8	35	0.8	3.2	0.2	75	0.15
1491628	Soil	33	11.2	116.1	18.1	280	1.2	53.2	11.2	608	2.66	57.7	5.5	3.2	76	2.4	7.5	0.2	83	0.38
1491629	Soil	29	11.2	102.9	16.0	286	2.0	54.5	7.3	448	2.54	48.1	7.9	2.2	173	3.2	7.9	0.2	143	1.15
1491630	Soil	33	11.4	93.4	25.8	212	1.2	42.8	8.7	390	2.88	60.9	6.9	3.3	159	1.8	8.7	0.2	88	0.44
1491631	Soil	26	4.8	97.9	13.3	188	1.3	39.1	7.9	663	2.02	26.0	15.1	1.3	128	2.4	4.3	0.1	63	1.45
1491632	Soil	38	14.0	103.3	19.0	262	1.0	44.7	11.4	647	2.49	69.6	13.6	3.7	84	1.6	8.4	0.1	88	0.32
1491633	Soil	47	6.8	123.2	19.6	209	0.6	38.3	6.0	133	2.08	29.6	21.8	2.3	40	0.6	4.6	0.2	70	0.20
1491634	Soil	10	3.4	82.4	15.9	85	1.9	21.9	9.9	1531	1.69	10.2	9.2	0.5	53	6.3	1.4	0.2	54	0.64
1491635	Soil	19	9.4	91.3	10.6	208	1.2	40.9	9.0	264	2.16	16.6	11.2	4.1	69	1.9	3.7	0.2	77	1.05
1491636	Soil	13	5.9	67.1	13.2	172	1.3	33.0	6.9	186	2.76	22.2	7.5	2.7	27	0.9	3.7	0.2	68	0.15
1491637	Soil	8	8.2	54.1	14.9	280	3.7	36.2	7.6	219	3.55	22.5	7.8	3.3	20	1.0	3.6	0.2	100	0.20
1491638	Soil	13	5.6	76.8	14.9	230	1.1	42.7	11.4	333	3.24	23.6	8.1	3.6	26	1.3	3.2	0.2	59	0.22
1491639	Soil	29	10.8	75.4	16.0	194	1.0	35.0	5.7	279	2.06	34.3	3.7	3.1	61	2.1	6.3	0.2	67	0.24
1491640	Soil	68	8.5	98.9	25.2	223	2.0	50.0	9.0	418	3.01	42.7	21.3	2.8	84	1.5	5.0	0.3	84	0.49
1491641	Soil	146	11.3	126.7	31.5	263	1.3	58.8	13.9	432	3.82	141.3	64.9	4.7	96	2.0	7.4	0.3	70	0.20
1491642	Soil	19	3.8	56.2	11.5	155	1.5	36.7	7.7	870	1.73	15.5	13.0	1.7	127	2.2	2.9	0.2	62	1.06
1491643	Soil	18	4.1	71.7	10.9	135	1.5	40.0	8.5	502	2.19	20.4	17.7	1.8	91	0.8	2.7	0.2	64	0.77
1491644	Soil	6	3.0	40.3	10.8	86	1.3	23.2	6.7	401	1.86	16.1	6.8	2.0	60	0.9	2.1	0.2	77	0.44
1491645	Soil	13	6.1	43.8	9.0	138	0.5	31.5	7.5	355	2.24	23.9	10.8	1.8	37	0.6	3.3	0.2	58	0.12
1491646	Soil	10	5.3	42.5	9.0	113	0.3	25.7	4.4	136	1.92	19.4	8.2	1.4	25	0.5	2.6	0.2	66	0.11
1491647	Soil	15	6.9	69.5	9.1	169	1.1	40.3	7.4	271	2.00	22.6	8.6	2.4	40	1.4	4.4	0.2	63	0.12
1491648	Soil	13	6.9	49.3	9.8	146	0.4	29.9	5.5	174	1.82	19.3	10.0	1.8	29	0.8	3.5	0.2	55	0.10
1491649	Soil	15	5.6	42.5	13.4	127	0.2	40.9	7.1	311	2.59	29.3	5.7	1.3	12	0.5	4.0	0.2	59	0.03
1491650	Soil	<2	3.0	12.9	8.7	59	0.1	12.0	3.4	137	1.61	11.8	1.7	0.5	6	0.4	1.1	0.2	61	0.03



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Phone (604) 253-3158 Fax (604) 253-1716

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West Kelowna BC V4T 2N6 Canada

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.05	1	0.5
1491621	Soil	9	19	0.22	236	0.003	<20	1.00	0.002	0.07	0.1	0.08	1.8	0.2	<0.05	3	1.4
1491622	Soil	17	19	0.28	633	0.004	<20	0.78	0.005	0.12	0.1	0.13	1.7	0.3	0.12	3	3.7
1491623	Soil	19	21	0.24	871	0.003	<20	0.63	0.003	0.10	0.1	1.15	2.3	0.4	0.11	2	5.3
1491624	Soil	11	16	0.25	931	0.003	<20	0.61	0.003	0.09	0.2	0.73	1.8	0.4	0.12	2	4.7
1491625	Soil	12	17	0.07	568	0.005	<20	0.21	0.005	0.19	0.1	1.02	0.9	0.4	0.33	1	4.7
1491626	Soil	21	26	0.35	172	0.021	<20	0.97	0.006	0.07	0.2	0.03	2.9	0.1	<0.05	3	1.2
1491627	Soil	13	18	0.15	505	0.005	<20	0.87	0.003	0.11	0.4	0.51	1.3	0.2	<0.05	3	2.2
1491628	Soil	21	18	0.20	714	0.005	<20	0.62	0.004	0.14	0.1	0.45	2.7	0.2	<0.05	2	3.8
1491629	Soil	15	27	0.28	1336	0.006	<20	0.97	0.005	0.23	0.1	1.17	3.4	0.4	<0.05	3	4.9
1491630	Soil	20	20	0.26	631	0.005	<20	0.75	0.004	0.15	<0.1	0.48	2.7	0.2	<0.05	2	4.5
1491631	Soil	11	15	0.44	781	0.004	<20	0.81	0.005	0.11	<0.1	0.56	2.4	0.2	0.06	2	4.5
1491632	Soil	20	15	0.21	665	0.005	<20	0.63	0.003	0.12	<0.1	0.27	2.5	0.3	<0.05	2	5.6
1491633	Soil	17	19	0.29	356	0.003	<20	0.78	0.002	0.11	<0.1	0.15	2.1	0.2	<0.05	3	2.0
1491634	Soil	19	19	0.17	1013	0.008	<20	0.96	0.004	0.07	0.1	0.37	1.9	0.2	<0.05	4	1.6
1491635	Soil	19	18	0.45	1014	0.010	<20	0.93	0.008	0.17	<0.1	0.40	3.9	0.2	<0.05	3	1.7
1491636	Soil	16	18	0.29	499	0.006	<20	1.13	0.004	0.13	0.2	0.17	2.0	0.3	<0.05	3	2.4
1491637	Soil	14	27	0.41	321	0.008	<20	1.78	0.005	0.15	0.2	0.17	2.7	0.3	<0.05	5	2.5
1491638	Soil	18	24	0.39	435	0.003	<20	1.42	0.004	0.14	0.1	0.22	2.7	0.2	<0.05	3	2.4
1491639	Soil	21	14	0.08	469	0.003	<20	0.32	0.003	0.08	<0.1	0.35	2.1	0.2	<0.05	1	4.8
1491640	Soil	18	24	0.40	777	0.004	<20	0.90	0.004	0.12	0.1	0.67	3.6	0.3	<0.05	3	2.5
1491641	Soil	23	23	0.62	470	0.005	<20	1.07	0.004	0.16	<0.1	0.23	3.0	0.3	0.10	4	5.1
1491642	Soil	8	17	0.30	895	0.003	<20	0.70	0.004	0.09	0.1	0.40	2.6	0.2	0.06	2	2.0
1491643	Soil	9	19	0.28	786	0.003	<20	0.86	0.005	0.09	0.1	0.36	3.3	0.2	<0.05	2	2.6
1491644	Soil	12	17	0.22	889	0.004	<20	0.95	0.007	0.09	0.1	0.15	2.4	0.2	<0.05	3	1.9
1491645	Soil	10	14	0.14	466	0.003	<20	0.61	<0.001	0.07	0.1	0.10	1.7	0.2	<0.05	2	1.6
1491646	Soil	11	14	0.15	1164	0.002	<20	0.72	<0.001	0.07	0.1	0.17	1.5	0.2	<0.05	2	0.9
1491647	Soil	13	16	0.15	1427	0.003	<20	0.63	<0.001	0.09	0.1	0.56	2.5	0.2	<0.05	2	2.4
1491648	Soil	13	13	0.15	736	0.002	<20	0.57	0.001	0.09	0.1	0.17	1.8	0.2	<0.05	2	1.6
1491649	Soil	9	16	0.09	200	0.005	<20	0.55	<0.001	0.06	<0.1	0.03	1.4	0.1	<0.05	3	1.7
1491650	Soil	10	11	0.08	193	0.008	<20	0.63	<0.001	0.03	0.2	0.01	0.8	0.1	<0.05	4	<0.5



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Colorado Resources Ltd.**
110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

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	Method Analyte Unit MDL	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1491651	Soil	13	4.1	23.9	4.8	48	1.0	10.4	1.6	50	0.71	8.0	3.1	<0.1	18	0.7	1.6	<0.1	23	0.11
1491652	Soil	35	7.1	29.1	9.7	91	0.8	16.7	3.0	86	1.66	39.8	9.4	0.6	18	0.4	2.8	0.1	46	0.08
1491653	Soil	23	4.0	33.3	9.7	101	1.4	19.7	5.7	407	1.52	24.3	8.6	1.4	38	1.3	2.1	0.1	52	0.25
1491654	Soil	21	3.7	51.2	9.2	69	1.6	22.3	6.3	471	1.49	24.0	12.4	0.3	26	1.9	1.5	0.1	40	0.18
1491655	Soil	16	4.4	19.3	8.5	34	1.3	7.6	1.9	159	1.22	30.4	11.0	0.7	16	0.4	1.1	0.1	44	0.09
1491656	Soil	17	3.9	22.5	11.2	39	1.5	8.6	1.1	27	1.67	33.1	10.1	1.0	22	0.3	1.2	0.2	53	0.13
1491657	Soil	11	8.3	19.2	10.0	68	0.6	12.3	2.7	88	1.62	28.3	8.3	1.1	24	0.4	1.8	0.1	64	0.15
1491658	Soil	25	8.0	55.0	12.0	153	1.2	30.7	7.4	535	2.19	39.6	9.0	1.5	51	1.6	3.2	0.1	65	0.31
1491659	Soil	13	5.5	22.7	9.7	71	0.9	13.0	4.3	192	2.08	24.9	9.5	0.9	21	0.3	1.7	0.2	59	0.15
1491660	Soil	5	3.4	26.1	7.8	52	1.0	12.7	2.4	146	1.17	11.7	7.5	0.5	23	0.6	1.4	0.1	38	0.18
1491661	Soil	<2	1.3	22.7	7.5	36	0.9	11.1	1.6	69	0.93	7.6	5.9	0.5	21	0.6	0.9	0.1	28	0.19
1491662	Soil	9	2.9	25.5	6.3	46	1.0	11.7	1.6	51	0.95	9.5	4.3	0.9	20	0.4	1.3	<0.1	38	0.14
1491663	Soil	9	3.0	30.0	7.4	47	1.1	13.7	2.1	160	1.18	11.0	4.9	0.6	30	0.7	1.2	0.1	39	0.28
1491664	Soil	10	3.3	32.0	9.2	100	1.1	20.2	4.1	184	1.49	14.3	9.0	1.5	38	0.9	1.6	0.1	54	0.31
1491665	Soil	18	4.3	20.5	7.6	55	0.6	13.2	3.2	158	1.28	14.7	4.3	1.1	31	0.6	1.3	<0.1	48	0.22
1491666	Soil	9	4.1	31.7	9.3	68	1.0	18.3	2.8	91	1.90	22.3	8.2	1.0	26	0.7	1.5	0.1	52	0.18
1491667	Soil	11	3.9	28.1	8.6	79	0.9	17.3	5.4	218	1.55	16.0	6.5	1.3	26	0.5	1.7	0.1	54	0.16
1491668	Soil	8	4.7	24.5	8.5	88	0.5	17.5	9.9	522	1.70	16.6	5.2	2.1	28	0.5	2.1	0.1	56	0.18
1491669	Soil	13	4.2	47.8	7.6	129	0.8	28.1	7.3	205	1.79	13.3	8.4	2.2	36	1.3	2.0	0.1	49	0.23
1491670	Soil	14	9.9	71.8	9.9	293	1.7	52.7	6.8	699	1.98	30.0	5.9	1.6	86	3.2	5.2	<0.1	80	0.54
1491671	Soil	22	7.5	46.9	10.5	132	0.8	23.9	9.6	706	1.96	34.2	14.8	1.5	30	1.0	3.2	0.1	73	0.10
1491672	Soil	32	4.8	61.7	10.6	155	2.2	39.2	3.8	280	1.39	22.1	12.8	0.9	56	3.7	2.3	0.1	57	0.36
1491673	Soil	26	8.9	71.6	12.8	219	2.1	43.8	10.3	620	2.08	35.1	9.0	1.8	67	4.7	3.7	0.1	77	0.53
1491674	Soil	14	7.0	46.6	9.5	183	1.0	30.2	6.8	446	1.62	22.2	5.7	1.6	55	1.6	3.9	<0.1	64	0.30
1491675	Soil	8	4.3	31.3	8.9	85	1.0	15.8	2.5	71	1.37	13.7	3.3	1.8	34	0.9	1.7	<0.1	57	0.20
1491676	Soil	8	4.5	36.5	10.9	80	1.2	13.9	3.5	120	1.85	21.1	8.0	1.3	31	0.7	2.1	0.1	69	0.17
1491677	Soil	8	6.7	44.4	8.6	109	1.4	22.2	4.9	237	1.60	17.9	5.6	0.9	42	1.0	2.9	0.1	62	0.24
1491678	Soil	6	3.0	21.7	8.8	34	0.9	8.7	1.0	31	1.08	13.4	3.4	0.8	24	0.4	1.2	0.1	44	0.14
1491679	Soil	11	7.6	44.9	9.8	112	1.2	22.4	5.7	254	1.81	20.3	2.6	1.7	45	0.9	3.2	0.1	69	0.28
1491680	Soil	22	7.1	47.6	12.2	110	1.3	26.6	4.7	224	2.05	32.4	7.2	1.3	38	1.4	3.0	0.1	80	0.20



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Phone (604) 253-3158 Fax (604) 253-1716

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110 - 2300 Carrington Road
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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1491651	Soil	6	7	0.05	342	<0.001	<20	0.27	0.002	0.05	<0.1	0.33	0.2	0.2	<0.05	1	1.6
1491652	Soil	10	9	0.08	228	0.003	<20	0.34	<0.001	0.06	<0.1	0.20	0.8	0.2	<0.05	2	2.3
1491653	Soil	11	13	0.16	754	0.003	<20	0.59	0.001	0.09	<0.1	0.50	1.9	0.2	<0.05	2	3.3
1491654	Soil	9	10	0.09	634	0.002	<20	0.63	0.006	0.06	0.1	0.42	1.2	0.2	<0.05	2	1.9
1491655	Soil	10	11	0.10	322	0.003	<20	0.46	0.002	0.06	0.2	0.37	0.9	0.2	<0.05	2	1.4
1491656	Soil	10	13	0.13	342	0.003	<20	0.59	0.002	0.08	0.1	0.53	1.2	0.2	<0.05	2	3.0
1491657	Soil	12	12	0.15	315	0.003	<20	0.55	<0.001	0.10	0.1	0.20	1.0	0.2	<0.05	2	1.7
1491658	Soil	11	15	0.17	847	0.002	<20	0.66	0.002	0.11	0.1	0.47	2.4	0.2	<0.05	2	3.5
1491659	Soil	11	14	0.17	401	0.003	<20	0.69	0.002	0.10	0.3	0.36	1.2	0.2	<0.05	3	2.1
1491660	Soil	9	12	0.14	552	0.002	<20	0.54	0.004	0.10	<0.1	0.38	1.1	0.2	<0.05	2	1.9
1491661	Soil	8	10	0.12	493	0.003	<20	0.44	0.003	0.06	<0.1	0.36	1.0	0.2	<0.05	2	1.8
1491662	Soil	11	11	0.12	544	0.004	<20	0.44	0.002	0.08	<0.1	0.34	1.2	0.2	<0.05	2	1.3
1491663	Soil	9	11	0.13	824	0.004	<20	0.54	0.005	0.07	0.1	0.44	1.4	0.2	<0.05	2	1.8
1491664	Soil	11	15	0.22	994	0.004	<20	0.74	0.003	0.10	<0.1	0.42	1.7	0.2	<0.05	3	2.3
1491665	Soil	11	11	0.17	856	0.004	<20	0.55	0.003	0.09	0.1	0.31	1.1	0.2	<0.05	2	1.7
1491666	Soil	11	14	0.16	800	0.003	<20	0.69	0.002	0.08	0.1	0.37	1.6	0.2	<0.05	2	2.1
1491667	Soil	13	14	0.19	710	0.004	<20	0.68	0.002	0.10	<0.1	0.34	1.4	0.2	<0.05	3	1.4
1491668	Soil	14	13	0.19	456	0.005	<20	0.64	<0.001	0.09	<0.1	0.19	1.4	0.2	<0.05	2	1.3
1491669	Soil	14	15	0.22	1123	0.004	<20	0.76	0.003	0.09	<0.1	0.33	2.3	0.2	<0.05	2	2.2
1491670	Soil	11	16	0.20	827	0.003	<20	0.58	0.004	0.10	0.1	0.58	2.0	0.3	<0.05	2	7.7
1491671	Soil	14	14	0.13	362	0.003	<20	0.62	0.003	0.10	0.1	0.16	1.4	0.2	<0.05	3	3.1
1491672	Soil	10	11	0.13	921	0.003	<20	0.61	0.004	0.09	0.1	0.66	1.9	0.2	<0.05	2	3.6
1491673	Soil	14	16	0.21	853	0.002	<20	0.71	0.002	0.10	<0.1	0.61	2.7	0.2	<0.05	2	6.3
1491674	Soil	10	14	0.20	1178	0.005	<20	0.56	0.003	0.11	0.1	0.45	2.0	0.2	<0.05	2	4.8
1491675	Soil	12	13	0.15	722	0.003	<20	0.54	0.002	0.08	0.1	0.53	1.6	0.2	<0.05	2	2.8
1491676	Soil	12	15	0.15	555	0.003	<20	0.69	0.002	0.09	0.3	0.56	1.6	0.3	<0.05	2	3.2
1491677	Soil	11	13	0.16	892	0.004	<20	0.56	0.003	0.09	<0.1	0.43	1.6	0.3	<0.05	2	3.8
1491678	Soil	9	12	0.12	345	0.003	<20	0.50	0.003	0.07	<0.1	0.45	0.9	0.2	<0.05	2	2.1
1491679	Soil	12	14	0.19	910	0.004	<20	0.64	0.003	0.10	<0.1	0.34	1.9	0.2	<0.05	2	3.4
1491680	Soil	12	16	0.17	1003	0.003	<20	0.78	0.003	0.09	<0.1	0.52	2.0	0.3	<0.05	3	4.0



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	Method Analyte Unit MDL	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1491681	Soil	22	6.8	43.0	10.3	87	1.3	19.6	3.8	209	1.80	23.6	6.2	1.0	39	0.9	3.1	0.2	55	0.25	0.112
1491682	Soil	12	6.1	50.5	9.8	94	1.6	23.2	7.0	454	2.20	19.1	6.0	0.6	34	1.3	3.0	0.2	46	0.19	0.124
1491683	Soil	9	5.1	31.7	9.1	107	1.0	18.8	7.0	380	1.60	15.2	5.9	1.0	29	0.8	2.1	0.1	49	0.16	0.080
1491684	Soil	11	7.0	43.3	9.0	131	0.7	24.5	10.6	804	1.82	19.7	5.5	1.1	36	0.9	3.8	0.1	50	0.16	0.107
1491685	Soil	101	5.8	53.6	9.8	75	1.4	15.2	6.5	447	2.05	18.8	5.4	1.2	31	1.3	2.8	0.2	49	0.14	0.120
1491686	Soil	13	4.0	63.2	8.8	71	1.3	16.8	5.8	365	1.61	13.5	5.7	1.3	27	1.7	2.2	0.1	39	0.13	0.090
1491687	Soil	12	10.1	33.8	10.0	95	1.4	16.8	3.2	121	1.81	29.6	3.7	0.6	27	0.5	3.4	0.2	70	0.12	0.098
1491688	Soil	8	6.2	26.2	8.1	76	0.9	15.9	2.1	54	1.02	14.5	2.2	0.6	34	0.4	2.5	<0.1	37	0.15	0.077
1491689	Soil	6	3.7	26.2	6.6	50	1.1	12.1	1.6	50	0.84	8.0	2.3	0.5	27	0.8	1.8	<0.1	28	0.16	0.060
1491690	Soil	11	9.2	79.2	10.0	242	1.8	48.0	9.1	709	1.91	22.4	4.0	0.9	102	3.7	4.5	0.1	68	0.92	0.104
1491691	Soil	12	10.2	54.4	10.3	184	2.0	33.6	8.9	510	1.97	21.9	2.1	1.2	59	2.5	4.4	0.1	71	0.32	0.105
1491692	Soil	15	10.0	59.8	9.4	230	1.6	38.0	8.6	478	1.90	20.0	2.5	1.4	64	2.7	4.3	0.1	63	0.37	0.106
1491693	Soil	18	15.0	51.6	11.9	131	1.4	21.5	13.1	735	2.31	27.9	4.0	1.1	36	1.4	4.5	0.2	85	0.11	0.109
1491694	Soil	16	13.2	50.0	11.9	176	1.9	29.1	13.6	819	2.09	23.9	3.6	0.9	48	1.4	4.7	0.2	78	0.26	0.106
1491695	Soil	12	15.1	31.4	12.4	112	2.7	22.7	3.8	102	2.71	20.6	5.7	1.0	30	1.2	2.5	0.2	70	0.19	0.100
1491696	Soil	10	8.8	44.6	8.4	133	1.2	28.2	3.5	93	1.59	16.8	2.1	0.4	49	0.7	3.2	0.1	53	0.20	0.116
1491697	Soil	10	7.4	52.7	7.4	154	0.7	28.7	7.7	337	1.77	18.3	1.7	0.2	42	1.4	3.5	0.1	56	0.17	0.122
1491698	Soil	13	9.5	68.3	10.1	202	2.0	36.8	6.2	345	1.97	26.4	2.5	1.5	114	3.0	5.4	0.2	79	0.84	0.108
1491701	Soil	7	4.4	35.7	8.8	100	0.3	23.2	4.9	140	2.02	18.0	5.9	1.9	12	0.3	2.2	0.1	54	0.03	0.042
1491702	Soil	11	5.5	48.9	9.4	107	0.6	25.6	6.3	452	2.06	21.0	8.3	1.6	27	0.5	2.8	0.1	45	0.10	0.085
1491703	Soil	7	6.4	46.5	12.5	100	0.5	23.6	5.7	351	2.15	22.8	6.7	0.5	24	0.6	2.7	0.2	54	0.06	0.073
1491704	Soil	5	3.7	24.8	12.5	182	0.3	28.4	3.9	232	3.25	19.5	3.6	0.6	6	0.3	1.6	0.2	76	0.02	0.057
1491705	Soil	5	5.6	23.9	10.4	108	0.2	17.8	4.0	289	1.90	19.3	5.3	0.7	11	0.5	2.3	0.2	69	0.02	0.063
1491706	Soil	12	7.2	30.7	13.3	170	0.3	30.8	5.0	335	1.84	24.4	6.4	0.8	18	1.2	3.5	0.1	34	0.05	0.032
1491707	Soil	4	17.9	39.2	20.0	177	0.8	31.5	8.6	535	2.22	24.7	4.0	0.9	47	1.5	3.9	0.2	58	0.17	0.066
1491708	Soil	8	9.6	33.4	18.7	162	1.0	25.4	3.5	87	2.18	39.1	3.7	1.6	164	0.7	5.3	0.1	78	0.21	0.111
1491709	Soil	8	7.8	26.6	12.6	94	1.3	16.6	2.0	54	1.22	27.3	6.7	1.3	60	0.5	2.5	0.1	126	0.16	0.074
1491710	Soil	15	5.6	65.6	15.6	156	2.1	30.2	4.2	183	1.92	24.9	1.8	1.5	116	3.2	3.4	0.1	96	0.44	0.166
1491711	Soil	13	10.6	86.5	10.3	255	2.1	48.8	7.5	401	1.99	26.4	1.6	1.7	115	3.7	5.5	0.1	100	0.32	0.140
1491712	Soil	12	9.7	39.7	10.6	123	1.3	23.6	3.4	96	1.65	21.7	2.4	1.1	78	0.8	4.0	0.1	87	0.19	0.128



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1491681	Soil	9	12	0.14	775	0.002	<20	0.58	0.002	0.07	0.1	0.44	1.5	0.2	<0.05	2	2.9
1491682	Soil	7	12	0.10	893	0.003	<20	0.57	0.004	0.05	<0.1	0.48	1.6	0.2	<0.05	2	3.2
1491683	Soil	8	12	0.12	660	0.003	<20	0.51	0.002	0.06	0.1	0.39	1.3	0.2	<0.05	2	2.9
1491684	Soil	8	11	0.11	693	0.003	<20	0.43	0.001	0.06	0.1	0.19	1.4	0.2	<0.05	1	2.2
1491685	Soil	9	13	0.11	750	0.003	<20	0.62	0.002	0.06	0.5	0.49	1.9	0.2	<0.05	2	3.0
1491686	Soil	10	12	0.11	980	0.003	<20	0.58	0.002	0.05	0.1	0.55	2.2	0.1	<0.05	2	3.0
1491687	Soil	7	13	0.10	383	0.002	<20	0.52	0.002	0.06	0.2	0.41	1.0	0.2	<0.05	2	3.6
1491688	Soil	7	10	0.09	431	0.003	<20	0.32	0.001	0.05	<0.1	0.38	0.9	0.2	<0.05	1	2.2
1491689	Soil	5	9	0.06	396	0.003	<20	0.27	0.004	0.04	0.1	0.41	0.7	0.1	<0.05	1	2.6
1491690	Soil	6	14	0.22	1078	0.002	<20	0.60	0.003	0.09	0.4	0.63	2.4	0.2	<0.05	2	7.5
1491691	Soil	8	14	0.13	1023	0.002	<20	0.53	0.002	0.08	0.1	0.65	2.1	0.2	<0.05	2	5.5
1491692	Soil	8	14	0.13	1124	0.002	<20	0.48	0.003	0.08	<0.1	0.53	2.1	0.2	<0.05	2	5.7
1491693	Soil	9	14	0.09	528	0.002	<20	0.58	0.002	0.08	1.3	0.61	1.8	0.2	<0.05	2	4.6
1491694	Soil	8	14	0.13	771	0.003	<20	0.61	0.002	0.07	0.1	0.67	1.7	0.3	<0.05	2	4.8
1491695	Soil	7	13	0.10	441	0.003	<20	0.57	0.002	0.05	0.2	0.85	1.5	0.2	<0.05	2	3.7
1491696	Soil	9	13	0.10	612	0.004	<20	0.42	0.002	0.07	0.1	0.31	1.1	0.2	<0.05	2	3.8
1491697	Soil	9	12	0.10	570	0.003	<20	0.40	0.002	0.06	0.1	0.20	0.9	0.2	<0.05	2	2.9
1491698	Soil	9	16	0.15	1192	0.003	<20	0.51	0.004	0.09	0.1	0.99	2.4	0.3	<0.05	2	5.4
1491701	Soil	10	15	0.14	306	0.005	<20	0.95	0.003	0.05	0.1	0.17	1.4	0.2	<0.05	3	1.8
1491702	Soil	11	11	0.12	558	0.004	<20	0.51	0.002	0.06	0.1	0.17	1.7	0.1	<0.05	2	1.6
1491703	Soil	10	12	0.08	773	0.004	<20	0.57	0.003	0.07	0.1	0.18	1.3	0.1	<0.05	2	1.9
1491704	Soil	7	18	0.11	124	0.010	<20	0.80	0.003	0.04	0.2	0.04	1.8	0.1	<0.05	4	1.4
1491705	Soil	9	13	0.06	190	0.005	<20	0.51	0.002	0.05	0.1	0.04	1.1	0.2	<0.05	3	1.5
1491706	Soil	9	8	0.04	164	0.005	<20	0.18	<0.001	0.02	<0.1	0.18	1.1	<0.1	<0.05	<1	0.9
1491707	Soil	5	10	0.07	300	0.004	<20	0.35	0.004	0.04	0.1	0.32	1.7	0.2	<0.05	2	2.8
1491708	Soil	7	15	0.13	336	0.006	<20	0.44	0.003	0.05	0.5	0.42	1.7	0.2	<0.05	2	3.3
1491709	Soil	8	22	0.11	365	0.004	<20	0.64	0.002	0.05	0.1	0.84	1.6	0.3	<0.05	3	2.4
1491710	Soil	10	20	0.14	1278	0.004	<20	0.59	0.004	0.12	0.2	1.01	2.9	0.3	<0.05	2	8.0
1491711	Soil	11	23	0.13	2378	0.004	<20	0.71	0.004	0.13	0.2	1.10	2.7	0.3	<0.05	2	5.7
1491712	Soil	12	18	0.10	1608	0.004	<20	0.52	0.003	0.09	0.1	0.52	1.6	0.3	<0.05	2	4.1



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110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

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	Method Analyte Unit MDL	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1491713	Soil	15	12.7	96.4	13.6	306	2.6	63.5	9.8	909	2.37	27.7	8.1	1.0	77	2.2	4.6	0.2	78	0.48
1491714	Soil	9	14.6	131.4	25.2	576	1.8	135.3	19.9	989	5.64	25.9	7.4	1.5	59	5.1	4.3	0.2	79	0.16
1491715	Soil	9	13.1	50.4	11.4	171	1.1	28.4	3.6	159	1.54	19.9	7.1	0.8	23	0.9	4.8	0.1	86	0.01
1491716	Soil	5	7.1	43.0	10.5	107	1.3	21.1	3.3	95	1.42	11.8	4.2	0.2	23	0.9	2.3	0.1	58	0.02
1491717	Soil	14	8.1	63.4	13.6	137	2.6	31.4	5.1	272	1.24	14.9	11.8	0.9	51	3.6	2.8	0.2	75	0.16
1491718	Soil	9	10.5	60.2	14.8	217	1.6	39.6	10.8	1259	2.40	22.2	10.1	0.6	29	3.2	4.1	0.2	71	0.11
1491719	Soil	8	6.5	98.5	8.5	206	2.0	49.3	5.7	152	1.57	16.5	5.6	1.2	160	5.3	4.2	0.3	45	1.01
1491720	Soil	<2	2.5	85.2	6.5	228	2.6	51.7	4.3	564	0.90	6.6	9.7	0.5	193	5.4	2.7	0.3	23	1.60
1491721	Soil	17	8.2	121.8	9.4	349	1.9	65.3	8.7	420	2.20	15.1	13.1	1.0	115	4.5	3.1	0.2	45	1.02
1491722	Soil	14	8.1	88.5	10.8	257	1.8	45.8	7.1	214	1.93	25.8	7.5	2.4	103	3.3	4.7	0.2	59	0.46
1491723	Soil	17	7.1	43.3	9.2	182	0.4	25.1	4.7	130	1.67	18.4	20.3	1.8	35	0.9	2.6	<0.1	55	0.17
1491724	Soil	11	5.9	26.7	9.8	60	1.4	12.2	1.8	70	1.11	18.3	2.7	0.9	33	0.5	1.8	0.1	44	0.14
1491725	Soil	19	11.4	31.8	11.5	84	1.8	17.8	2.8	122	1.67	24.7	2.4	1.2	44	0.5	3.0	0.1	76	0.17
1491726	Soil	17	5.4	66.4	11.1	93	1.5	21.8	3.5	136	1.66	22.4	5.3	0.7	44	1.3	3.2	0.1	51	0.17
1491727	Soil	13	7.1	34.1	9.6	60	1.4	12.6	1.8	68	1.46	25.2	3.2	0.2	26	0.6	2.6	0.1	56	0.10
1491751	Soil	12	9.1	39.0	10.4	172	1.6	28.4	2.9	101	2.19	33.5	10.3	1.4	27	0.6	6.0	0.1	98	0.07
1491752	Soil	45	9.7	64.9	15.4	182	1.7	32.6	10.6	709	2.34	58.4	7.8	1.7	51	1.4	5.0	0.1	68	0.31
1491753	Soil	19	4.3	35.9	10.2	99	1.1	19.3	2.9	66	1.50	14.7	4.1	1.2	29	0.4	1.9	0.1	41	0.23
1491754	Soil	17	4.9	44.1	13.5	130	1.3	25.0	8.7	673	2.14	23.9	5.5	1.6	38	1.2	2.5	0.1	57	0.34
1491755	Soil	16	6.1	44.2	10.1	125	1.1	23.1	9.2	501	1.93	19.0	7.5	2.1	33	0.9	2.3	0.1	50	0.28
1491756	Soil	10	2.5	21.9	10.9	49	1.4	10.7	1.7	75	1.15	17.9	4.5	1.8	27	0.3	0.9	0.1	45	0.17
1491757	Soil	14	5.4	34.4	10.2	104	1.0	19.9	10.2	771	1.85	19.3	7.4	1.4	32	0.7	2.1	0.1	56	0.24
1491758	Soil	15	5.7	71.8	9.1	164	0.8	34.0	7.7	266	1.87	19.7	<0.5	3.4	50	1.7	3.4	0.2	46	0.34
1491759	Soil	22	7.3	67.6	12.0	211	1.2	38.4	10.3	771	2.16	31.2	7.9	1.7	64	1.7	3.8	0.1	65	0.49
1491760	Soil	20	5.1	79.0	10.6	200	1.5	44.7	7.7	336	1.98	22.1	7.5	2.0	54	2.1	3.2	0.1	58	0.36
1491761	Soil	40	8.5	53.5	14.1	138	1.6	24.6	5.9	412	2.05	39.2	8.4	1.9	48	0.8	3.4	0.2	72	0.23
1491762	Soil	18	6.8	72.4	10.6	232	1.3	43.0	7.9	423	2.02	26.6	2.4	2.9	72	2.5	4.6	<0.1	58	0.46
1491763	Soil	21	6.2	73.4	10.1	193	0.9	37.2	8.4	550	2.10	26.4	4.6	2.6	46	1.5	3.6	<0.1	52	0.29
1491764	Soil	14	4.9	35.4	11.1	121	0.7	24.4	10.6	736	2.01	17.0	6.1	2.4	27	0.4	2.1	0.1	50	0.16
1491765	Soil	16	5.2	62.4	10.6	164	0.8	33.2	12.0	962	2.01	15.8	7.6	2.6	36	1.3	2.5	<0.1	53	0.24



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1491713	Soil	9	17	0.14	980	0.003	<20	0.48	0.003	0.07	0.1	0.66	2.6	0.3	<0.05	2	4.9
1491714	Soil	6	18	0.10	618	0.002	<20	0.78	0.002	0.07	<0.1	0.70	5.1	0.2	<0.05	2	4.1
1491715	Soil	14	15	0.04	310	0.002	<20	0.40	0.002	0.05	<0.1	0.37	1.2	0.3	<0.05	2	3.1
1491716	Soil	8	11	0.03	248	0.002	<20	0.34	0.003	0.05	<0.1	0.17	0.7	0.2	<0.05	2	1.4
1491717	Soil	9	15	0.07	603	0.002	<20	0.48	0.003	0.06	<0.1	0.64	1.7	0.3	<0.05	2	3.5
1491718	Soil	7	13	0.05	404	0.003	<20	0.40	0.003	0.05	<0.1	0.40	1.9	0.2	<0.05	2	2.5
1491719	Soil	6	12	0.21	2202	0.002	<20	0.49	0.003	0.06	0.1	0.70	2.1	0.2	0.10	1	4.6
1491720	Soil	3	8	0.32	1797	0.003	<20	0.35	0.005	0.04	<0.1	0.62	1.9	<0.1	0.13	<1	4.4
1491721	Soil	4	11	0.24	1760	0.002	<20	0.56	0.004	0.06	<0.1	0.66	3.1	0.2	0.06	1	4.0
1491722	Soil	10	14	0.16	2119	0.003	<20	0.56	0.004	0.09	0.2	0.79	2.9	0.3	<0.05	2	5.1
1491723	Soil	10	12	0.12	631	0.002	<20	0.52	0.002	0.04	0.1	0.10	1.3	0.1	<0.05	2	2.0
1491724	Soil	8	11	0.09	481	0.003	<20	0.44	0.002	0.06	0.1	0.62	1.1	0.2	<0.05	2	3.2
1491725	Soil	10	15	0.13	623	0.002	<20	0.59	0.002	0.07	0.1	0.66	1.3	0.3	<0.05	2	3.9
1491726	Soil	10	13	0.09	1030	0.003	<20	0.57	0.002	0.06	0.1	0.65	1.5	0.3	<0.05	2	4.0
1491727	Soil	8	11	0.07	411	0.003	<20	0.42	0.002	0.05	0.2	0.46	0.7	0.2	<0.05	2	2.7
1491751	Soil	10	15	0.07	162	0.005	<20	0.55	0.002	0.03	0.2	0.45	1.2	0.2	<0.05	3	3.3
1491752	Soil	12	15	0.19	713	0.003	<20	0.70	0.003	0.10	<0.1	0.50	2.2	0.3	<0.05	2	4.1
1491753	Soil	13	13	0.16	524	0.005	<20	0.54	0.002	0.08	<0.1	0.41	1.5	0.2	<0.05	2	3.2
1491754	Soil	10	15	0.23	657	0.004	<20	0.75	0.003	0.10	0.1	0.47	2.1	0.2	<0.05	3	2.3
1491755	Soil	12	14	0.24	702	0.004	<20	0.73	0.003	0.09	0.1	0.41	2.0	0.2	<0.05	2	2.1
1491756	Soil	12	13	0.17	397	0.003	<20	0.66	0.002	0.10	<0.1	0.51	1.4	0.2	<0.05	3	2.2
1491757	Soil	12	15	0.20	510	0.004	<20	0.70	0.003	0.09	0.1	0.35	1.5	0.2	<0.05	3	2.1
1491758	Soil	14	13	0.24	1253	0.007	<20	0.59	0.003	0.09	0.1	0.38	2.3	0.2	<0.05	2	2.5
1491759	Soil	12	16	0.24	1086	0.004	<20	0.68	0.004	0.12	0.1	0.46	2.3	0.3	<0.05	2	4.1
1491760	Soil	12	16	0.24	1077	0.004	<20	0.81	0.006	0.11	0.1	0.56	2.7	0.2	<0.05	2	2.3
1491761	Soil	16	16	0.19	425	0.004	<20	0.60	0.002	0.09	0.1	0.50	1.8	0.2	<0.05	2	3.2
1491762	Soil	11	14	0.23	1079	0.004	<20	0.53	0.004	0.09	0.1	0.56	2.7	0.2	<0.05	2	4.7
1491763	Soil	16	13	0.22	1046	0.005	<20	0.62	0.003	0.10	<0.1	0.37	2.4	0.2	<0.05	2	2.7
1491764	Soil	17	14	0.25	360	0.003	<20	0.73	0.002	0.10	<0.1	0.36	1.7	0.2	<0.05	2	1.7
1491765	Soil	17	16	0.25	734	0.004	<20	0.76	0.003	0.10	<0.1	0.39	2.5	0.2	<0.05	2	2.1



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	Method Analyte Unit MDL	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1491766	Soil	12	7.3	36.8	13.2	110	0.5	23.1	16.7	918	2.73	21.3	8.2	2.6	24	0.4	2.6	0.1	60	0.13	0.099
1491767	Soil	22	7.1	77.2	12.6	219	1.3	45.9	9.7	776	2.23	24.3	6.4	1.8	63	2.6	3.3	0.1	63	0.58	0.110
1491768	Soil	16	5.2	49.8	10.7	100	0.7	22.3	6.6	382	2.21	15.0	4.9	2.1	25	0.4	2.1	0.1	47	0.13	0.104
1491769	Soil	13	6.3	63.3	11.5	124	0.6	29.8	13.9	889	2.48	15.7	6.4	2.2	30	2.0	2.5	<0.1	49	0.19	0.095
1491770	Soil	13	4.6	36.3	12.1	119	0.4	23.8	8.4	404	1.85	12.1	5.1	2.2	28	0.2	2.2	<0.1	45	0.16	0.096
1491771	Soil	9	5.6	37.3	9.0	103	0.3	22.5	7.3	445	1.95	12.3	2.4	2.5	29	0.7	2.2	<0.1	40	0.17	0.093
1491772	Soil	28	7.8	65.7	13.2	194	1.4	37.6	11.3	923	2.26	27.3	5.0	1.8	55	1.8	3.1	0.1	67	0.26	0.120
1491773	Soil	13	4.9	64.2	9.5	152	0.6	38.4	6.8	393	2.01	16.5	4.3	1.9	41	1.0	2.6	<0.1	46	0.28	0.111
1491774	Soil	14	2.4	33.8	11.0	51	1.0	12.8	1.8	68	0.94	9.5	7.0	0.8	29	0.5	1.0	0.1	42	0.22	0.069
1491775	Soil	17	9.0	63.7	16.7	162	0.8	34.3	22.4	1690	2.77	23.8	5.5	2.5	43	1.3	3.3	0.2	72	0.28	0.096
1491776	Soil	27	7.2	36.2	11.0	102	0.8	20.8	8.8	633	2.22	21.2	5.8	1.2	35	1.0	2.3	<0.1	54	0.31	0.122
1491777	Soil	15	6.3	39.0	12.0	96	0.9	20.6	8.4	359	1.96	19.2	4.9	1.4	33	0.9	2.3	0.1	55	0.26	0.111
1491778	Soil	28	6.7	65.2	13.4	177	1.4	38.5	8.4	722	2.16	34.8	9.1	1.6	54	2.5	3.6	0.2	57	0.37	0.129
1491779	Soil	29	5.1	70.2	14.7	142	1.4	30.9	5.6	409	1.84	25.8	4.5	1.9	47	2.0	2.9	0.2	62	0.32	0.135
1491780	Soil	29	6.2	54.2	12.2	141	1.2	27.4	8.1	763	1.83	32.0	7.7	1.6	48	2.1	3.2	0.2	52	0.35	0.120
1491781	Soil	16	11.7	39.4	14.3	172	0.6	27.7	14.7	893	2.40	28.9	3.8	2.0	35	0.9	4.2	0.2	63	0.22	0.129
1491782	Soil	18	12.9	39.0	11.5	153	0.8	24.1	14.0	922	3.08	48.1	5.3	1.8	31	1.7	4.8	0.1	57	0.21	0.144
1491783	Soil	31	7.2	51.9	12.7	137	1.1	27.9	14.8	1537	2.28	35.9	5.8	1.4	46	0.9	3.6	0.1	57	0.38	0.128
1491784	Soil	30	6.7	70.5	13.0	172	1.0	39.3	9.4	610	2.18	33.0	4.5	2.1	52	2.7	4.0	0.1	63	0.36	0.139
1491785	Soil	28	8.7	53.8	12.4	153	1.5	31.4	12.2	1322	2.52	31.3	9.4	1.6	64	1.8	3.8	0.1	64	0.52	0.131
1491786	Soil	13	6.1	35.9	11.7	111	1.2	21.4	7.2	238	1.77	16.4	4.2	2.0	44	1.2	3.0	0.1	58	0.28	0.114
1491787	Soil	9	4.5	35.3	10.3	79	1.1	19.1	3.2	150	1.52	17.6	4.3	1.1	39	1.3	1.6	0.1	48	0.26	0.101
1491788	Soil	18	5.6	58.4	10.8	187	1.3	40.6	7.3	452	1.96	19.9	6.0	1.3	68	1.8	3.3	0.2	66	0.45	0.111
1491789	Soil	15	7.0	62.3	9.7	163	0.8	31.3	7.6	318	1.83	20.8	6.7	1.0	44	1.6	4.1	0.1	56	0.16	0.131
1491790	Soil	10	6.4	42.0	8.5	53	1.3	13.9	4.2	263	1.83	18.5	3.1	1.3	25	0.8	2.1	0.1	49	0.16	0.087
1491791	Soil	17	6.7	54.4	11.8	150	1.4	34.3	9.9	664	1.89	18.3	2.1	1.7	51	2.1	3.2	0.1	64	0.30	0.120
1491801	Soil	14	2.5	21.5	18.3	29	1.3	10.9	1.3	26	1.21	10.5	9.1	1.4	23	0.2	0.7	0.2	34	0.07	0.079
1491802	Soil	25	8.1	83.0	18.9	231	1.4	48.8	18.1	1139	2.76	26.0	4.4	2.5	75	2.4	4.0	0.2	64	0.54	0.114
1491803	Soil	23	15.4	52.3	8.6	167	1.3	29.3	2.6	51	0.94	15.1	3.9	1.6	27	0.8	5.1	<0.1	47	0.12	0.046
1491804	Soil	13	22.1	68.5	13.5	238	0.8	47.8	7.3	104	2.57	21.6	2.4	2.9	89	1.1	6.9	0.1	42	0.18	0.078



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client:

Colorado Resources Ltd.

110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.05	1	0.5
1491766	Soil	16	16	0.24	340	0.003	<20	0.78	0.002	0.10	<0.1	0.29	1.8	0.2	<0.05	3	1.9
1491767	Soil	12	17	0.29	749	0.003	<20	0.81	0.003	0.12	<0.1	0.54	2.8	0.2	<0.05	2	3.5
1491768	Soil	14	14	0.20	406	0.003	<20	0.67	0.002	0.10	<0.1	0.27	1.7	0.2	<0.05	2	2.8
1491769	Soil	15	14	0.21	735	0.003	<20	0.80	0.003	0.09	<0.1	0.33	2.2	0.2	<0.05	2	2.3
1491770	Soil	15	14	0.22	265	0.005	<20	0.64	0.002	0.09	0.1	0.36	1.5	0.2	<0.05	2	1.7
1491771	Soil	14	12	0.23	584	0.004	<20	0.61	0.002	0.08	<0.1	0.16	1.6	0.1	<0.05	2	1.6
1491772	Soil	12	17	0.22	769	0.003	<20	0.83	0.004	0.12	0.1	0.61	2.4	0.2	<0.05	2	3.8
1491773	Soil	13	14	0.21	937	0.006	<20	0.64	0.003	0.09	0.1	0.29	2.3	0.2	<0.05	2	1.8
1491774	Soil	8	13	0.12	540	0.003	<20	0.59	0.006	0.08	0.1	0.49	1.5	0.2	<0.05	2	1.8
1491775	Soil	16	20	0.25	988	0.003	<20	0.87	0.004	0.13	0.1	0.37	2.6	0.2	<0.05	3	3.1
1491776	Soil	10	11	0.22	752	0.004	<20	0.66	0.003	0.08	0.5	0.34	1.6	0.2	<0.05	2	2.4
1491777	Soil	10	14	0.22	682	0.004	<20	0.68	0.003	0.09	<0.1	0.40	2.0	0.2	<0.05	2	2.5
1491778	Soil	10	14	0.19	942	0.002	<20	0.66	0.002	0.08	0.1	0.53	2.5	0.2	<0.05	2	3.6
1491779	Soil	12	15	0.22	989	0.003	<20	0.77	0.002	0.10	0.1	0.62	3.0	0.2	<0.05	2	4.2
1491780	Soil	10	13	0.18	784	0.003	<20	0.64	0.002	0.08	0.1	0.47	2.3	0.2	<0.05	2	3.2
1491781	Soil	10	13	0.20	615	0.004	<20	0.57	0.001	0.06	0.1	0.25	1.7	0.2	<0.05	2	2.7
1491782	Soil	10	11	0.19	581	0.003	<20	0.57	0.002	0.07	<0.1	0.27	1.9	0.1	<0.05	2	2.9
1491783	Soil	9	13	0.21	838	0.003	<20	0.65	0.003	0.06	<0.1	0.44	2.3	0.2	<0.05	2	3.5
1491784	Soil	11	14	0.22	908	0.003	<20	0.72	0.002	0.08	0.2	0.53	3.0	0.2	<0.05	2	4.0
1491785	Soil	9	14	0.22	943	0.003	<20	0.67	0.003	0.08	0.1	0.60	2.5	0.2	<0.05	2	5.0
1491786	Soil	10	14	0.17	899	0.003	<20	0.64	0.002	0.06	0.1	0.46	2.0	0.2	<0.05	2	3.4
1491787	Soil	7	11	0.10	726	0.004	<20	0.49	0.004	0.05	0.2	0.43	1.5	0.2	<0.05	2	2.6
1491788	Soil	9	16	0.16	1630	0.004	<20	0.64	0.005	0.09	0.1	0.47	2.4	0.2	0.06	2	2.5
1491789	Soil	11	13	0.13	1004	0.003	<20	0.53	0.001	0.07	0.2	0.36	1.6	0.2	<0.05	2	2.3
1491790	Soil	8	11	0.10	648	0.003	<20	0.47	<0.001	0.04	0.2	0.40	1.4	0.2	<0.05	2	2.9
1491791	Soil	9	15	0.17	1122	0.003	<20	0.67	0.002	0.07	0.2	0.57	2.2	0.2	<0.05	2	3.6
1491801	Soil	15	13	0.11	302	0.004	<20	0.54	0.001	0.07	<0.1	0.73	1.1	0.2	<0.05	2	1.3
1491802	Soil	15	17	0.29	774	0.005	<20	0.86	0.002	0.12	<0.1	0.71	3.3	0.2	<0.05	3	4.2
1491803	Soil	16	8	0.07	321	0.003	<20	0.34	0.003	0.07	<0.1	0.49	1.1	0.2	<0.05	1	3.7
1491804	Soil	15	7	0.11	359	0.003	<20	0.37	0.004	0.10	<0.1	0.23	1.6	0.2	0.11	1	3.0



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Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

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110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

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	Method Analyte Unit MDL	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1491805	Soil	16	1.7	46.6	11.7	111	1.1	24.2	4.8	174	1.59	13.3	5.0	2.8	85	0.8	1.5	0.1	55	0.75
1491806	Soil	12	4.2	43.1	9.9	121	0.7	27.5	5.2	86	1.81	16.7	1.7	3.0	57	0.6	2.4	0.1	55	0.35
1491807	Soil	10	1.6	37.9	9.9	54	0.8	18.6	1.8	53	1.51	13.8	5.8	0.9	38	0.9	0.9	0.1	32	0.39
1491808	Soil	11	2.2	35.2	9.8	64	0.8	16.0	4.6	255	1.45	13.3	6.1	1.3	28	0.6	1.0	0.1	46	0.21
1491809	Soil	16	4.4	56.7	11.9	89	1.0	25.4	4.5	158	1.63	16.2	4.6	1.7	29	0.9	1.8	0.1	54	0.20
1491810	Soil	12	6.0	53.0	11.5	119	1.2	23.8	6.6	330	1.51	15.4	8.5	1.5	61	0.8	2.4	0.2	63	0.15
1491811	Soil	18	3.2	30.7	11.8	69	1.8	12.2	2.6	85	1.22	13.6	13.1	1.8	36	0.5	1.3	0.2	56	0.07
1491812	Soil	47	6.6	69.9	14.8	167	1.6	39.5	7.0	336	2.01	33.8	11.3	2.0	46	2.0	3.0	0.2	63	0.22
1491813	Soil	46	11.3	81.7	15.7	250	2.1	49.3	6.8	380	2.22	44.8	5.0	2.3	102	3.0	5.7	0.1	85	0.38
1491814	Soil	28	22.8	124.7	13.9	432	2.2	72.3	10.4	584	2.57	43.3	7.7	2.6	90	6.0	10.1	0.1	96	0.37
1491815	Soil	22	18.9	106.0	12.0	464	1.8	75.0	8.3	507	2.49	41.8	11.5	1.9	75	6.7	9.0	<0.1	91	0.22
1491816	Soil	36	2.7	35.9	17.9	34	2.6	6.7	0.7	18	0.53	3.3	2.3	2.5	74	0.7	3.4	0.1	59	0.09
1491817	Soil	15	5.0	45.1	11.7	108	1.4	27.0	4.7	179	1.77	11.6	6.7	0.8	28	0.8	1.6	0.1	47	0.15
1491818	Soil	46	2.8	70.4	14.9	166	1.5	39.6	7.3	356	1.94	28.5	10.7	2.6	42	1.5	1.7	0.2	68	0.23
1491819	Soil	33	8.4	69.3	12.6	152	0.9	31.6	10.4	738	2.09	35.4	2.7	2.8	37	1.1	3.6	0.1	62	0.18
1491820	Soil	27	18.7	103.8	12.2	333	1.0	60.1	10.4	667	2.36	33.4	3.2	4.2	48	4.2	8.7	0.1	115	0.25
1491821	Soil	18	7.9	47.0	11.9	143	0.9	30.7	7.6	263	1.83	19.9	8.5	2.6	27	0.7	2.9	0.1	70	0.13
1491822	Soil	20	4.2	56.4	12.0	109	1.0	27.6	5.0	167	1.76	15.2	4.9	3.0	33	0.6	2.0	0.1	49	0.16
1491823	Soil	11	3.9	35.5	10.8	72	0.6	18.9	5.4	275	1.53	11.8	3.2	2.3	28	0.5	1.8	0.2	35	0.11
1491824	Soil	13	4.1	44.3	11.9	122	0.4	26.3	12.8	977	2.03	11.4	2.7	3.7	36	0.4	2.6	0.2	39	0.19
1491825	Soil	16	4.0	47.6	12.3	98	1.0	25.0	4.7	254	1.51	12.6	3.3	2.3	39	0.8	1.9	0.2	42	0.20
1491826	Soil	23	8.7	67.8	14.1	194	1.2	38.7	8.9	467	2.33	26.4	4.7	2.5	70	1.2	5.4	0.2	61	0.21
1491827	Soil	14	5.5	67.6	12.3	141	0.8	31.0	7.8	490	1.90	17.2	4.3	1.9	42	1.3	3.2	0.2	40	0.21
1491828	Soil	14	4.6	58.7	9.8	166	0.8	34.1	8.7	347	1.89	10.7	4.5	2.4	46	1.6	2.7	0.2	41	0.24
1491829	Soil	15	5.9	53.9	17.8	107	1.3	26.3	4.7	268	2.17	23.6	5.3	1.4	50	1.4	2.6	0.3	65	0.23
1491830	Soil	12	5.1	37.6	12.4	97	0.8	21.6	3.3	101	1.51	16.1	2.3	2.5	40	0.4	2.3	0.2	52	0.17
1491831	Soil	14	8.4	47.9	13.9	127	0.3	27.2	18.6	1356	2.43	25.8	2.7	2.7	39	0.6	4.4	0.2	53	0.21
1491832	Soil	15	5.8	60.9	11.5	135	0.4	31.7	10.1	688	2.19	18.9	3.9	1.5	37	0.7	3.5	0.2	47	0.17
1491833	Soil	12	5.5	75.2	11.8	149	0.6	35.0	7.9	529	2.41	20.9	5.1	2.1	44	1.1	3.8	0.2	48	0.22
1491834	Soil	19	5.6	79.6	11.5	185	1.0	39.4	7.7	347	2.03	24.9	2.5	2.9	59	1.7	4.0	0.2	46	0.30



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Phone (604) 253-3158 Fax (604) 253-1716

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110 - 2300 Carrington Road
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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5
1491805	Soil	12	13	0.38	627	0.003	<20	0.95	0.003	0.11	<0.1	0.56	2.5	0.2	<0.05	3	2.8
1491806	Soil	13	17	0.32	1157	0.009	<20	0.84	0.005	0.10	0.3	0.35	2.6	0.2	<0.05	3	1.4
1491807	Soil	9	15	0.17	488	0.006	<20	0.71	0.004	0.06	0.2	0.42	1.9	0.2	<0.05	3	2.9
1491808	Soil	11	14	0.19	460	0.004	<20	0.76	0.008	0.08	<0.1	0.37	1.8	0.2	<0.05	3	1.6
1491809	Soil	13	14	0.23	540	0.003	<20	0.82	0.005	0.11	0.2	0.39	2.0	0.2	<0.05	2	2.2
1491810	Soil	15	15	0.15	431	0.003	<20	0.67	0.002	0.08	0.2	0.24	1.6	0.2	<0.05	2	2.1
1491811	Soil	13	15	0.12	262	0.005	<20	0.61	0.002	0.07	0.2	0.53	1.4	0.2	<0.05	3	1.1
1491812	Soil	16	17	0.21	619	0.004	<20	0.79	0.003	0.12	<0.1	0.66	2.1	0.2	<0.05	3	3.3
1491813	Soil	15	17	0.17	732	0.004	<20	0.47	0.004	0.14	0.1	0.81	2.3	0.3	0.17	2	3.9
1491814	Soil	11	12	0.13	751	0.002	<20	0.52	0.002	0.07	<0.1	0.87	3.4	0.4	<0.05	1	6.2
1491815	Soil	10	14	0.11	553	0.003	<20	0.50	<0.001	0.06	0.3	1.00	3.1	0.3	<0.05	1	5.4
1491816	Soil	27	22	0.02	548	0.008	<20	0.18	0.001	0.09	<0.1	0.69	2.2	0.4	0.06	2	3.9
1491817	Soil	12	17	0.23	343	0.004	<20	0.81	0.003	0.10	0.1	0.61	1.5	0.2	<0.05	3	1.9
1491818	Soil	16	20	0.28	567	0.004	<20	1.02	0.003	0.12	<0.1	0.87	3.2	0.2	<0.05	3	2.6
1491819	Soil	22	15	0.20	634	0.004	<20	0.62	0.002	0.11	<0.1	0.52	2.2	0.2	<0.05	2	2.9
1491820	Soil	23	17	0.23	602	0.005	<20	0.72	0.002	0.12	<0.1	0.69	2.9	0.3	<0.05	2	4.7
1491821	Soil	20	16	0.20	336	0.004	<20	0.72	0.002	0.10	<0.1	0.39	1.7	0.2	<0.05	2	1.6
1491822	Soil	18	17	0.24	713	0.004	<20	0.81	0.002	0.12	0.3	0.51	2.4	0.2	<0.05	2	2.3
1491823	Soil	15	12	0.19	385	0.004	<20	0.64	0.002	0.09	0.1	0.27	1.5	0.2	0.05	2	2.0
1491824	Soil	16	14	0.26	524	0.005	<20	0.68	0.003	0.09	0.2	0.24	1.7	0.1	<0.05	2	1.7
1491825	Soil	14	14	0.22	553	0.003	<20	0.76	0.003	0.11	<0.1	0.46	1.8	0.2	<0.05	2	1.6
1491826	Soil	14	15	0.23	542	0.004	<20	0.69	0.002	0.09	0.1	0.44	2.2	0.2	0.09	2	3.2
1491827	Soil	14	13	0.21	639	0.004	<20	0.61	0.002	0.09	<0.1	0.32	1.8	0.2	<0.05	2	1.8
1491828	Soil	16	14	0.28	424	0.005	<20	0.71	0.004	0.10	<0.1	0.35	2.1	0.2	<0.05	2	1.2
1491829	Soil	13	17	0.20	808	0.003	<20	0.94	0.003	0.12	0.1	0.64	1.9	0.2	<0.05	3	2.3
1491830	Soil	15	15	0.23	539	0.004	<20	0.72	0.003	0.11	0.1	0.36	1.7	0.2	<0.05	3	2.2
1491831	Soil	14	15	0.22	507	0.004	<20	0.60	0.002	0.10	0.1	0.15	1.6	0.2	<0.05	2	1.7
1491832	Soil	14	15	0.23	613	0.005	<20	0.67	0.003	0.10	0.2	0.26	1.9	0.1	<0.05	2	2.3
1491833	Soil	15	15	0.23	1025	0.004	<20	0.72	0.003	0.10	0.2	0.33	2.3	0.2	<0.05	2	2.3
1491834	Soil	16	14	0.22	906	0.004	<20	0.65	0.003	0.10	0.1	0.47	2.7	0.2	<0.05	2	3.9



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West Kelowna BC V4T 2N6 Canada

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1491835	Soil	15	4.4	49.3	10.3	130	0.5	26.4	7.1	419	1.63	18.6	4.5	3.2	43	0.9	2.7	0.1	40	0.23
1491836	Soil	25	6.8	60.6	14.2	171	1.2	33.7	7.3	452	2.27	24.3	6.3	2.0	59	1.3	3.6	0.2	58	0.48
1491837	Soil	20	8.4	61.8	13.3	150	0.7	30.4	16.6	1663	2.41	22.6	6.4	2.6	47	1.2	4.2	0.2	56	0.25
1491838	Soil	14	5.8	23.7	11.7	76	0.7	16.6	5.8	682	1.50	15.5	2.2	2.1	31	0.4	2.0	0.2	45	0.14
1491839	Soil	11	6.8	55.7	10.8	142	1.2	29.1	7.1	388	1.99	18.1	3.7	1.4	44	1.8	3.9	0.2	54	0.22
1491840	Soil	16	8.8	70.9	11.6	167	1.6	31.6	8.5	340	2.07	18.4	5.3	1.5	50	2.1	5.4	0.2	65	0.19
1491841	Soil	19	9.8	36.3	12.2	129	1.3	23.4	5.9	342	2.11	26.4	2.0	1.8	51	0.6	4.9	0.2	71	0.22
1491842	Soil	13	11.6	38.9	14.0	73	1.3	12.7	3.5	262	2.34	27.2	1.8	1.8	42	0.7	4.1	0.2	77	0.14
1491843	Soil	<2	8.0	42.6	11.8	77	1.1	16.8	2.9	133	1.99	23.2	1.7	1.5	43	1.2	3.3	0.2	57	0.16
1491844	Soil	<2	8.1	35.6	11.4	63	1.5	14.6	1.7	84	1.41	20.0	2.7	0.6	34	0.8	2.7	0.2	54	0.12
1491845	Soil	<2	4.5	59.7	11.7	107	1.3	24.5	2.9	183	1.43	16.6	4.3	1.2	46	2.1	3.3	0.2	53	0.18
1491846	Soil	4	8.3	48.9	12.5	110	1.8	20.4	11.5	853	2.27	21.0	4.1	1.4	42	0.9	4.1	0.2	71	0.15
1491847	Soil	17	4.2	64.8	11.7	129	1.4	28.1	2.8	96	0.93	16.8	1.2	0.8	53	2.1	4.9	0.2	52	0.24
1491848	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1491849	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1491850	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1491835	Soil	16	12	0.21	830	0.004	<20	0.64	0.003	0.09	0.1	0.29	1.9	0.1	<0.05	2	1.5
1491836	Soil	11	16	0.25	734	0.003	<20	0.83	0.003	0.12	0.7	0.50	2.3	0.2	<0.05	3	2.5
1491837	Soil	15	16	0.25	576	0.004	<20	0.76	0.004	0.11	0.1	0.27	2.0	0.2	<0.05	2	1.8
1491838	Soil	14	12	0.17	309	0.004	<20	0.56	0.003	0.08	0.2	0.25	0.9	0.1	<0.05	2	1.3
1491839	Soil	10	13	0.15	1006	0.004	<20	0.62	0.005	0.06	0.2	0.45	2.0	0.2	<0.05	2	2.8
1491840	Soil	10	15	0.13	1053	0.004	<20	0.66	0.003	0.07	0.1	0.57	2.4	0.3	0.07	2	3.6
1491841	Soil	9	15	0.15	1042	0.004	<20	0.62	0.003	0.07	0.3	0.49	1.7	0.2	0.08	2	4.0
1491842	Soil	11	15	0.12	602	0.004	<20	0.61	0.003	0.07	0.2	0.60	1.5	0.2	<0.05	2	3.7
1491843	Soil	11	13	0.12	717	0.004	<20	0.58	0.003	0.06	0.2	0.56	1.4	0.2	<0.05	2	3.0
1491844	Soil	9	12	0.10	490	0.004	<20	0.52	0.003	0.06	0.1	0.62	1.1	0.2	<0.05	2	2.5
1491845	Soil	10	14	0.11	866	0.003	<20	0.58	0.003	0.06	0.1	0.62	1.9	0.2	<0.05	2	2.6
1491846	Soil	10	16	0.13	796	0.003	<20	0.71	0.003	0.08	0.2	0.65	1.8	0.2	<0.05	2	2.7
1491847	Soil	8	12	0.11	1214	0.004	<20	0.60	0.005	0.06	<0.1	0.68	1.9	0.2	<0.05	2	5.3
1491848	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1491849	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1491850	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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West Kelowna BC V4T 2N6 Canada

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QUALITY CONTROL REPORT

WHI12000543.1

Method Analyte Unit MDL		3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1491516	Soil	13	6.0	58.0	13.1	153	0.9	42.4	10.1	435	2.44	20.8	14.8	1.9	63	1.3	3.3	0.2	62	0.46	0.080
REP 1491516	QC	17																			
1491523	Soil	18	8.2	101.5	15.2	210	1.7	49.5	9.0	506	2.41	23.3	3.1	3.2	102	2.7	5.6	0.2	95	0.49	0.171
REP 1491523	QC		8.2	101.8	14.9	226	1.7	49.4	9.4	496	2.44	24.1	1.6	2.9	99	2.5	5.7	0.2	101	0.51	0.190
1491551	Soil	17	20.4	77.6	39.4	144	0.9	68.1	17.2	950	4.29	20.3	10.6	2.0	134	0.7	3.4	0.3	68	0.24	0.183
REP 1491551	QC	24																			
1491559	Soil	17	7.6	73.1	24.2	103	0.7	39.3	15.8	1457	2.93	19.3	7.4	1.0	87	0.8	1.8	0.2	53	0.39	0.113
REP 1491559	QC		6.9	70.6	25.7	97	0.7	37.1	15.5	1431	2.84	19.1	7.6	0.9	85	0.8	1.8	0.2	52	0.38	0.108
1491586	Soil	2	1.1	32.3	12.0	38	0.4	13.0	2.4	444	0.80	2.9	<0.5	0.1	8	1.5	0.4	<0.1	14	0.04	0.030
REP 1491586	QC	<2																			
1491595	Soil	7	0.6	29.0	8.7	49	0.8	17.6	0.9	45	0.65	4.5	3.5	1.1	33	0.9	0.8	0.1	29	0.21	0.059
REP 1491595	QC		0.6	29.3	8.2	50	0.8	16.9	0.9	48	0.69	4.4	1.3	1.1	35	0.8	0.7	0.1	31	0.21	0.054
1491621	Soil	6	5.3	37.9	13.3	118	0.4	29.1	7.1	191	3.18	39.1	2.7	2.3	16	0.4	2.3	0.2	59	0.09	0.051
REP 1491621	QC	5																			
1491631	Soil	26	4.8	97.9	13.3	188	1.3	39.1	7.9	663	2.02	26.0	15.1	1.3	128	2.4	4.3	0.1	63	1.45	0.174
REP 1491631	QC		4.4	99.4	13.5	188	1.3	38.3	8.1	697	2.02	25.8	13.2	1.3	129	2.6	4.3	0.1	64	1.57	0.174
1491656	Soil	17	3.9	22.5	11.2	39	1.5	8.6	1.1	27	1.67	33.1	10.1	1.0	22	0.3	1.2	0.2	53	0.13	0.138
REP 1491656	QC	26																			
1491667	Soil	11	3.9	28.1	8.6	79	0.9	17.3	5.4	218	1.55	16.0	6.5	1.3	26	0.5	1.7	0.1	54	0.16	0.100
REP 1491667	QC		3.7	27.8	8.8	82	0.9	17.0	5.5	225	1.56	16.3	8.1	1.4	26	0.4	1.7	0.1	55	0.17	0.102
1491691	Soil	12	10.2	54.4	10.3	184	2.0	33.6	8.9	510	1.97	21.9	2.1	1.2	59	2.5	4.4	0.1	71	0.32	0.105
REP 1491691	QC	7																			
1491705	Soil	5	5.6	23.9	10.4	108	0.2	17.8	4.0	289	1.90	19.3	5.3	0.7	11	0.5	2.3	0.2	69	0.02	0.063
REP 1491705	QC		5.2	23.6	9.9	105	0.2	17.0	3.9	288	1.88	18.9	5.4	0.7	11	0.5	2.4	0.1	70	0.02	0.061
1491751	Soil	12	9.1	39.0	10.4	172	1.6	28.4	2.9	101	2.19	33.5	10.3	1.4	27	0.6	6.0	0.1	98	0.07	0.199
REP 1491751	QC	13																			
1491764	Soil	14	4.9	35.4	11.1	121	0.7	24.4	10.6	736	2.01	17.0	6.1	2.4	27	0.4	2.1	0.1	50	0.16	0.104
REP 1491764	QC		4.9	34.5	11.1	115	0.7	23.6	10.3	727	1.95	16.9	7.3	2.3	26	0.4	2.1	0.1	50	0.16	0.099



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110 - 2300 Carrington Road
West Kelowna BC V4T 2N6 Canada

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QUALITY CONTROL REPORT

WHI12000543.1

	Method Analyte Unit MDL	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		La ppm 1	Cr ppm 1	Mg % 0.01	Ba ppm 1	Ti % 0.001	B ppm 20	Al % 0.01	Na % 0.001	K % 0.01	W ppm 0.1	Hg ppm 0.01	Sc ppm 0.1	Tl ppm 0.1	S % 0.05	Ga ppm 1	Se ppm 0.5	Te ppm 0.2
Pulp Duplicates																		
1491516	Soil	15	18	0.33	789	0.003	<20	1.05	0.004	0.14	<0.1	0.27	2.3	0.2	<0.05	3	1.8	<0.2
REP 1491516	QC																	
1491523	Soil	16	25	0.31	2100	0.008	<20	0.97	0.006	0.22	0.2	0.74	3.6	0.3	<0.05	3	2.9	<0.2
REP 1491523	QC	16	25	0.34	2149	0.007	<20	1.04	0.007	0.22	0.1	0.78	3.9	0.3	0.11	3	4.3	<0.2
1491551	Soil	25	25	0.31	625	0.006	<20	1.16	0.003	0.21	<0.1	0.42	3.0	0.4	0.19	4	2.5	0.3
REP 1491551	QC																	
1491559	Soil	17	22	0.20	526	0.003	<20	0.85	0.003	0.14	<0.1	0.22	1.7	0.2	0.08	3	1.5	<0.2
REP 1491559	QC	17	21	0.20	525	0.003	<20	0.84	0.003	0.13	<0.1	0.17	1.8	0.2	0.06	3	1.7	<0.2
1491586	Soil	5	7	0.03	134	0.006	<20	0.21	0.009	0.04	<0.1	0.07	0.9	<0.1	<0.05	1	<0.5	<0.2
REP 1491586	QC																	
1491595	Soil	11	13	0.13	591	0.003	<20	0.57	0.003	0.10	0.1	0.56	1.4	0.2	<0.05	2	1.0	<0.2
REP 1491595	QC	11	13	0.14	587	0.003	<20	0.56	0.006	0.11	<0.1	0.54	1.4	0.2	<0.05	2	1.1	<0.2
1491621	Soil	9	19	0.22	236	0.003	<20	1.00	0.002	0.07	0.1	0.08	1.8	0.2	<0.05	3	1.4	<0.2
REP 1491621	QC																	
1491631	Soil	11	15	0.44	781	0.004	<20	0.81	0.005	0.11	<0.1	0.56	2.4	0.2	0.06	2	4.5	<0.2
REP 1491631	QC	11	16	0.46	807	0.004	<20	0.83	0.004	0.10	<0.1	0.57	2.5	0.2	0.08	2	4.4	<0.2
1491656	Soil	10	13	0.13	342	0.003	<20	0.59	0.002	0.08	0.1	0.53	1.2	0.2	<0.05	2	3.0	<0.2
REP 1491656	QC																	
1491667	Soil	13	14	0.19	710	0.004	<20	0.68	0.002	0.10	<0.1	0.34	1.4	0.2	<0.05	3	1.4	<0.2
REP 1491667	QC	13	14	0.21	736	0.003	<20	0.70	0.003	0.09	<0.1	0.35	1.5	0.2	<0.05	2	1.7	<0.2
1491691	Soil	8	14	0.13	1023	0.002	<20	0.53	0.002	0.08	0.1	0.65	2.1	0.2	<0.05	2	5.5	<0.2
REP 1491691	QC																	
1491705	Soil	9	13	0.06	190	0.005	<20	0.51	0.002	0.05	0.1	0.04	1.1	0.2	<0.05	3	1.5	<0.2
REP 1491705	QC	8	13	0.06	185	0.006	<20	0.49	0.002	0.05	0.2	0.05	1.1	0.2	<0.05	3	1.3	<0.2
1491751	Soil	10	15	0.07	162	0.005	<20	0.55	0.002	0.03	0.2	0.45	1.2	0.2	<0.05	3	3.3	<0.2
REP 1491751	QC																	
1491764	Soil	17	14	0.25	360	0.003	<20	0.73	0.002	0.10	<0.1	0.36	1.7	0.2	<0.05	2	1.7	<0.2
REP 1491764	QC	17	14	0.24	351	0.004	<20	0.70	0.001	0.10	0.2	0.37	1.7	0.2	<0.05	2	1.5	<0.2



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		3B Au ppb 2	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001
1491786	Soil	13	6.1	35.9	11.7	111	1.2	21.4	7.2	238	1.77	16.4	4.2	2.0	44	1.2	3.0	0.1	58	0.28	0.114
REP 1491786	QC	15																			
1491809	Soil	16	4.4	56.7	11.9	89	1.0	25.4	4.5	158	1.63	16.2	4.6	1.7	29	0.9	1.8	0.1	54	0.20	0.105
REP 1491809	QC		4.8	56.8	11.5	90	1.0	24.3	4.4	155	1.68	16.2	4.4	1.7	29	0.8	2.0	0.2	54	0.20	0.101
1491833	Soil	12	5.5	75.2	11.8	149	0.6	35.0	7.9	529	2.41	20.9	5.1	2.1	44	1.1	3.8	0.2	48	0.22	0.106
REP 1491833	QC	13																			
1491845	Soil	<2	4.5	59.7	11.7	107	1.3	24.5	2.9	183	1.43	16.6	4.3	1.2	46	2.1	3.3	0.2	53	0.18	0.096
REP 1491845	QC		4.8	63.6	13.4	116	1.4	27.0	3.2	200	1.62	17.8	2.1	1.5	51	2.4	3.6	0.2	60	0.22	0.109
Reference Materials																					
STD DS9	Standard		11.1	105.5	121.9	306	1.8	39.3	7.2	542	2.23	26.6	110.1	6.2	67	2.4	5.9	6.3	40	0.66	0.074
STD DS9	Standard		13.5	118.3	129.9	332	1.9	43.3	8.5	637	2.52	29.0	104.2	7.2	81	2.6	6.3	6.8	45	0.77	0.093
STD DS9	Standard		12.4	110.3	128.0	313	1.8	41.2	8.2	594	2.35	25.6	122.7	6.3	64	2.5	4.8	4.7	45	0.71	0.077
STD DS9	Standard		12.2	110.0	122.2	320	1.9	40.4	7.6	566	2.34	25.8	119.2	6.2	60	2.2	4.9	4.6	42	0.67	0.078
STD DS9	Standard		12.9	114.1	127.3	317	1.8	42.2	7.8	564	2.29	25.0	115.6	6.2	61	2.7	5.0	4.4	43	0.69	0.083
STD DS9	Standard		14.1	120.0	128.6	324	2.5	42.4	8.2	618	2.47	28.0	135.9	7.2	78	2.7	5.7	6.6	44	0.73	0.084
STD DS9	Standard		12.5	96.9	110.9	302	1.9	39.6	7.5	556	2.25	24.0	129.8	5.7	61	2.4	5.0	5.0	42	0.66	0.075
STD DS9	Standard		12.3	106.4	122.0	331	1.9	44.7	8.3	627	2.47	28.2	109.2	5.8	66	2.5	4.6	6.1	46	0.70	0.083
STD DS9	Standard		11.9	98.4	107.4	291	1.8	39.8	7.3	546	2.25	23.4	101.3	5.7	63	2.2	4.6	5.2	40	0.67	0.074
STD DS9	Standard		13.5	115.8	124.0	311	2.0	41.9	8.0	591	2.39	25.4	104.5	6.1	65	2.2	4.7	5.1	46	0.71	0.080
STD OREAS45CA	Standard		1.4	511.3	20.1	59	0.3	243.7	90.7	912	16.02	4.4	42.9	7.2	15	0.1	0.4	0.1	210	0.43	0.037
STD OREAS45CA	Standard		1.2	569.8	22.3	70	0.3	277.5	103.0	1022	18.25	4.1	50.4	7.8	16	0.1	0.2	0.1	232	0.46	0.042
STD OREAS45CA	Standard		0.9	534.1	20.3	63	0.3	268.9	96.4	955	17.29	3.6	39.6	7.2	14	<0.1	<0.1	<0.1	219	0.43	0.035
STD OREAS45CA	Standard		1.2	500.8	19.1	57	0.3	244.0	92.3	915	16.23	4.0	42.7	7.0	12	<0.1	0.2	<0.1	217	0.40	0.035
STD OREAS45CA	Standard		1.1	490.0	18.7	57	0.3	245.9	92.9	903	15.97	3.6	40.9	6.9	12	<0.1	0.3	0.1	218	0.39	0.037
STD OREAS45CA	Standard		1.0	530.3	20.6	63	0.3	258.9	93.5	977	16.69	3.6	45.3	7.5	15	<0.1	0.2	0.1	216	0.42	0.039
STD OREAS45CA	Standard		1.0	505.1	18.0	56	0.3	246.5	90.6	880	15.59	3.6	43.0	6.0	13	0.1	0.1	0.1	227	0.41	0.036
STD OREAS45CA	Standard		1.0	480.7	17.4	57	0.2	233.8	86.4	880	15.35	3.9	40.7	6.0	12	0.1	0.2	0.1	206	0.39	0.035
STD OREAS45CA	Standard		1.0	499.9	17.9	56	0.3	236.9	84.0	847	15.05	3.6	43.5	6.1	13	<0.1	0.1	0.1	213	0.39	0.034
STD OREAS45CA	Standard		1.2	530.8	18.6	54	0.2	242.3	90.0	893	15.69	3.7	46.0	6.6	13	<0.1	0.2	0.1	207	0.41	0.034



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Phone (604) 253-3158 Fax (604) 253-1716

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		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	1DX Te ppm 0.2
1491786	Soil	10	14	0.17	899	0.003	<20	0.64	0.002	0.06	0.1	0.46	2.0	0.2	<0.05	2	3.4	<0.2
REP 1491786	QC																	
1491809	Soil	13	14	0.23	540	0.003	<20	0.82	0.005	0.11	0.2	0.39	2.0	0.2	<0.05	2	2.2	<0.2
REP 1491809	QC	13	15	0.23	533	0.003	<20	0.78	0.006	0.10	0.1	0.42	2.0	0.2	<0.05	2	2.5	<0.2
1491833	Soil	15	15	0.23	1025	0.004	<20	0.72	0.003	0.10	0.2	0.33	2.3	0.2	<0.05	2	2.3	<0.2
REP 1491833	QC																	
1491845	Soil	10	14	0.11	866	0.003	<20	0.58	0.003	0.06	0.1	0.62	1.9	0.2	<0.05	2	2.6	<0.2
REP 1491845	QC	11	15	0.12	973	0.004	<20	0.64	0.004	0.07	0.1	0.74	1.9	0.2	<0.05	2	3.5	<0.2
Reference Materials																		
STD DS9	Standard	11	121	0.60	294	0.103	<20	0.83	0.074	0.36	3.3	0.22	2.3	5.2	0.13	4	4.7	4.9
STD DS9	Standard	15	135	0.70	345	0.121	<20	0.98	0.083	0.39	3.1	0.22	2.6	6.1	0.17	5	6.8	5.9
STD DS9	Standard	13	124	0.63	315	0.108	<20	0.95	0.082	0.35	3.1	0.22	2.6	5.9	0.10	5	5.0	5.4
STD DS9	Standard	11	117	0.57	310	0.099	<20	0.87	0.072	0.34	2.8	0.22	2.4	5.8	0.10	5	5.2	4.6
STD DS9	Standard	12	118	0.63	316	0.101	<20	0.95	0.080	0.34	2.6	0.22	2.5	5.5	0.18	5	5.5	4.8
STD DS9	Standard	14	126	0.66	349	0.116	<20	0.99	0.097	0.39	3.1	0.22	2.7	6.0	0.17	5	5.5	5.0
STD DS9	Standard	11	121	0.57	310	0.101	<20	0.86	0.076	0.36	3.2	0.22	2.3	5.4	<0.05	5	4.9	5.2
STD DS9	Standard	11	129	0.67	331	0.105	40	0.93	0.082	0.37	3.2	0.24	2.4	5.8	0.14	5	5.3	5.0
STD DS9	Standard	11	115	0.59	304	0.101	<20	0.92	0.080	0.34	2.7	0.21	2.2	5.5	0.07	5	4.9	5.0
STD DS9	Standard	12	130	0.63	313	0.108	<20	0.94	0.084	0.35	2.9	0.19	2.2	5.8	0.18	5	6.1	5.5
STD OREAS45CA	Standard	16	708	0.14	166	0.133	<20	3.12	0.011	0.06	<0.1	0.03	42.3	<0.1	<0.05	19	<0.5	<0.2
STD OREAS45CA	Standard	17	827	0.16	180	0.162	<20	3.81	0.014	0.07	<0.1	0.04	46.0	<0.1	<0.05	21	0.8	<0.2
STD OREAS45CA	Standard	16	849	0.15	166	0.131	<20	3.75	0.013	0.07	<0.1	0.04	51.2	0.1	<0.05	20	<0.5	<0.2
STD OREAS45CA	Standard	14	804	0.14	148	0.133	<20	3.30	0.012	0.06	<0.1	0.03	46.3	0.1	<0.05	18	<0.5	<0.2
STD OREAS45CA	Standard	15	796	0.14	154	0.132	<20	3.28	0.011	0.06	<0.1	0.03	46.9	0.1	<0.05	18	<0.5	<0.2
STD OREAS45CA	Standard	16	747	0.15	167	0.146	<20	3.44	0.014	0.07	<0.1	0.03	44.2	<0.1	<0.05	19	<0.5	<0.2
STD OREAS45CA	Standard	14	767	0.14	156	0.132	<20	3.46	0.012	0.06	<0.1	0.03	43.2	<0.1	<0.05	18	<0.5	<0.2
STD OREAS45CA	Standard	14	761	0.13	149	0.133	<20	3.27	0.011	0.06	<0.1	0.02	40.5	0.1	<0.05	18	<0.5	<0.2
STD OREAS45CA	Standard	14	758	0.14	151	0.130	<20	3.51	0.012	0.06	<0.1	0.03	40.9	0.1	<0.05	18	<0.5	<0.2
STD OREAS45CA	Standard	15	774	0.14	151	0.125	<20	3.28	0.011	0.06	<0.1	0.04	43.6	0.1	<0.05	18	<0.5	<0.2



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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		3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
STD OXA71	Standard	78																		
STD OXA71	Standard	78																		
STD OXA71	Standard	80																		
STD OXA71	Standard	78																		
STD OXA71	Standard	81																		
STD OXA71	Standard	77																		
STD OXA71	Standard	84																		
STD OXA71	Standard	81																		
STD OXA71	Standard	81																		
STD OXA71	Standard	81																		
STD OXA71	Standard	81																		
STD OXA71	Standard	80																		
STD OXA71	Standard	79																		
STD OXA71	Standard	76																		
STD OXA71	Standard	75																		
STD OXA71	Standard	76																		
STD OXA71	Standard	80																		
STD OXA71	Standard	81																		
STD OXA71	Standard	80																		
STD OXA71	Standard	76																		
STD OXA71	Standard	70																		
STD OXA71	Standard	83																		
STD OXA71	Standard	83																		
STD OXA71	Standard	84																		
STD OXA71 Expected		84.9																		
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45CA Expected			1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank	<2																		
BLK	Blank	<2																		

QUALITY CONTROL REPORT

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[illegible]

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Phone (604) 253-3158 Fax (604) 253-1716

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		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	1DX Te ppm 0.2
BLK	Blank																	
BLK	Blank																	
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BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																	



Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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		3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<2																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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		1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Tl ppm 0.1	1DX S % 0.05	1DX Ga ppm 1	1DX Se ppm 0.5	1DX Te ppm 0.2
BLK	Blank																	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2