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BC Geological Survey Assessment Report 37685

Ministry of Energy and Mines
BC Geological Survey

Assessment Report Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Prospecting

TOTAL COST: $16,126.68

AUTHOR(S): William C. Yeomans

SIGNATURE(S): William C. Yeomans

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

YEAR OF WORK: 2018

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5705468: 2018-JUL-27

PROPERTY NAME: Hit - Aspen Grove

CLAIM NAME(S) (on which the work was done): See Attached

COMMODITIES SOUGHT: Copper, Gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: See Attached

MINING DIVISION: Similkameen

NTS/BCGS: 092H 09, 10, 15, 16

LATITUDE: 49 ° 41 ' 21 " **LONGITUDE:** -120 ° 28 ' 03 " (at centre of work)

OWNER(S):

1) Colorado Resources

2)

MAILING ADDRESS:

105 - 3500 Carrington Rd
West Kelowna BC V4T 3C1

OPERATOR(S) [who paid for the work]:

1)

2)

MAILING ADDRESS:

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Nicola Group, Upper Triassic, Quesnel Terrane, Volcanic Rocks, Intrusive Bodies, porphyry, Copper, Gold, Molybdenum, Quartz Veins, Epithermal Arsenic, lead, Zinc, Mercury. Shear Zone, Missezula Mountain Fault

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

See Attached.

Next Page

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock	40	See Attached	$16,126.68
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$16,126.68

Claim Names on Which Work was Done:

Hit-Fan (1057542), Anita-Anita (1057545), Hit-Sadim (1057548), Hit 1 (514826), Hit 2 (514829), Rum (380273)

Mineral Inventory Minfile Numbers:

092HNE240, 092HNE037, 092HNE099, 092HNE239, 092HNE095, 092HNE242, 092HNE119, 092HNE049, 092HNE241, 092HNE054, 092HNE106, 092HNE053, 092HNE230, 092HNE229, 092HNE139, 092HNE157, 092HNE113, 092HNE158, 092HNE159

References to Previous Assessment Work and Assessment Report Numbers:

00517, 00530, 00985, 01928, 03365, 04227, 04345, 04346, 04348, 04465, 04963, 04964, 05044, 05114, 06036, 08352, 09407, 09821, 10437, 10962, 14044, 14141, 14304, 15007, 15969, 16206, 16889, 21402, 22084, 27564, 29781

Type of Work on Which Claims:

Rock Samples:

Hit-Fan (1057542), Anita-Anita (1057545), Hit-Sadim (1057548), Hit 1 (514826), Hit 2 (514829), Rum (380273)

PROSPECTING ASSESSMENT REPORT

On the

HIT – ASPEN GROVE PROPERTY

MISSEZULA MOUNTAIN AREA, B.C.
SIMILKAMEEN MINING DIVISION

Latitude: 49° 41’ 21" North
Longitude: 120° 28' 03" West
BCGS MAP SHEETS 092H09, 10, 15 and 16

Prepared for

Colorado Resources Ltd.

105-3500 Carrington Road,
West Kelowna, B.C.
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Date

November 7th, 2018

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

1.0 SUMMARY

The Hit-Aspen Grove Property (or "Property") totals 6485.5 hectares and consists of 12 mineral claims. The Property covers the Hit, Miss, Sadim, and Rum & Coke mineral occurrences in addition to 28 other minfile occurrences. The Property is located approximately 30 kilometers north of the community of Princeton, British Columbia. The Property is centered at latitude: 49° 41' 21'' north, longitude: 120° 28' 03" west, and is located on NTS map sheets 092H09, 10, 15 and 16. The Property can be accessed by a series of well-maintained gravel forest service roads originating either from the paved Merritt-Princeton Highway 5A in the west, paved Highway 97 C in the north and the paved Princeton-Summerland road in the south and east.

The region surrounding and underlying the Property is underlain by the Nicola Group volcanic arc portion of the Upper Triassic Quesnel Terrane Lithologies include alkalic to calc-alkalic subaqueous to subarea1 volcanic rocks, coeval intrusive bodies and associated sedimentary rocks, including limestone.

The Property is prospective for alkalic and calcalkalic porphyry copper +/- gold +/- molybdenum and orogenic gold-quartz deposit type vein targets.

During the summer of 2018, a prospecting program was conducted across the entire property as a follow-up to check on specific structural lineaments and geophysical / geochemical anomalies and historic reported minfile occurrences. A total of 40 rock grab samples were collected over 3 days in June and 4 days in July 2018. These rock samples were submitted to Actlabs in Kamloops for Fire Assay AA (Code 1A2) and Aqua Regia ICP/MS (Code UT-1).

The results of the program revealed sub-economic porphyry copper gold values that are not worthy of any further follow-up. A high-grade epithermal vein was sampled in outcrop at the minfile occurrence named "Miss" which reported up to 9,960 ppb Au with anomalous arsenic, lead, zinc and mercury in highly altered quartz sericite quartz porphyry intrusive. This vein appears to be part of a stockwork system that has previously reported multiple grab samples which have historically demonstrated gold values in the 1-2 g/t Au range. The mineralized trend appears to be oriented north-northeast. Historical trenching was oriented in this direction and it is recommended that a modest bulldozer trenching program be conducted with the excavated trench oriented south-southeast to go across a major shear zone that hosts high grade mineralization. It is recommended that several trenches be excavated with a minimum length of 50 to 100 meters each. This target is located near the southeastern limit of the property and is easily accessed by a seasonal gravel logging road.

It is estimated that the cost of this program would be approximately CDN $30,000 including mob and demob of an excavator from Princeton, supervision of the excavation and channel sampling over a 4-5 day period. No other work is recommended on the remainder of the property.

Sections of this report including Property Location and Access, Ownership, Accessibility, Infrastructure, Climate, Project History, Regional and Property Geology, and Property Mineralization were derived from previously filed Colorado reports for the Hit-Aspen Grove project dated from 2015-2017.

2.0 INTRODUCTION

During the summer of 2018, a prospecting program was conducted across the entire property as a follow-up to check on specific structural lineaments and geophysical / geochemical anomalies and historic reported minfile occurrences. A total of 40 rock grab samples were collected over 3 days in June and 4 days in July 2018. A Statement of Work was filed on 2018-July-27 (Event #5705468) with a total value of work done at $16,126.68. Colorado Resources PAC account withdrew $5,024.08 for a total applied work value of $21,150.76.

3.0 PROPERTY LOCATION AND DESCRIPTION

3.1 Location

The Hit-Aspen Grove claims are located on crown and private land in the Similkameen Mining Division on NTS map sheets 092H09, 10, 15 and 16. The Property is located approximately 30 kilometers north of the community of Princeton, British Columbia (Figure 1). The configuration of the various mineral claims is illustrated in Figure 2 and the claim information is as set out in Table 1 below. The 12 claims cover an area of 16,486 hectares.

3.2 Ownership

Colorado has assembled the Property package through various purchase agreements, originally on the initial Hit claims (Tenures 514826 and 514829) and by agreements with Richard Billingsley, Dwayne Kress and numerous other Free Miner License holders in addition to staking. Subsequently, Colorado has consolidated the previous large land package around the property's major mineralized prospects.

3.3 Taxes and Assessment Work Requirements

Exploration work on mineral properties in British Columbia resulting in physical disturbance requires the filing of a Notice of Work and Reclamation with the Ministry of Energy, Mines and Petroleum Resources. The issuance of a permit facilitating such work may involve the posting of a reclamation bond.

Mineral claims in British Columbia may be kept in good standing by incurring assessment work or by paying cash-in-lieu of assessment work in the amount of $5 per hectare per year during the first three years following the location of the mineral claim. This amount increases to $10 per hectare in the fourth and succeeding years.

Figure 1: Property Location

Figure 2: Claims

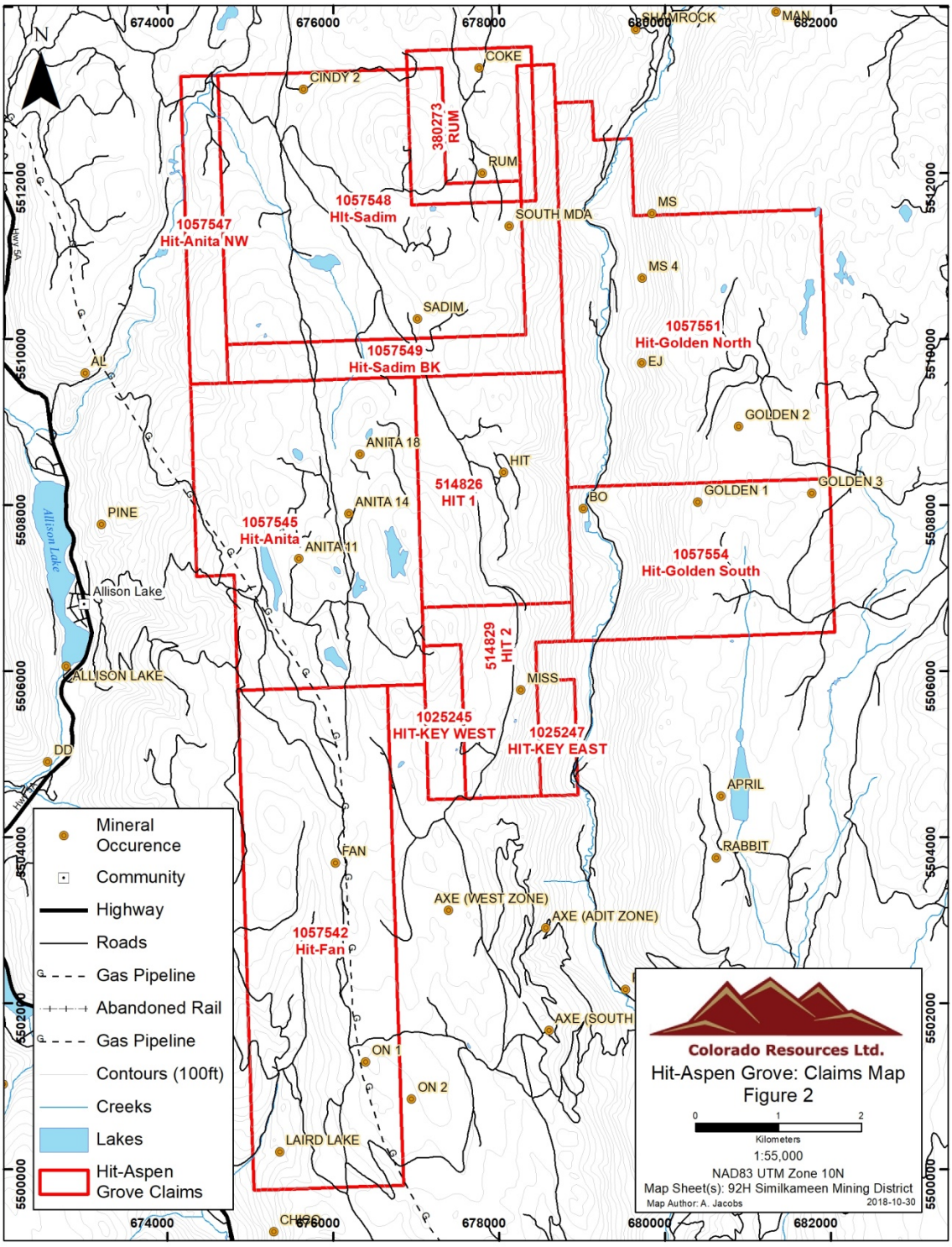


Table 1: Claims

Tenure Number	Claim Name	Claim Staked	Claim Good Too*	Area (ha)
380273	Rum	2000-AUG-28	2023-JAN-21	300.00
514826	Hit 1	2005-JUN-20	2023-JAN-21	501.52
514829	Hit 2	2005-JUN-20	2023-JAN-21	250.87
1025245	Hit-Key West	2014-JAN-17	2018-MAY-1	83.63
1025247	Hit-Key East	2014-JAN-17	2018-MAY-1	62.72
1057542	Hit-Fan	2018-JAN-09	2018-MAY-1	1087.67
1057545	Hit-Anita	2018-JAN-09	2018-MAY-1	940.42
1057547	Hit-Anita NW	2018-JAN-09	2018-MAY-1	167.08
1057548	Hit-Sadim	2018-JAN-09	2018-MAY-1	1044.19
1057549	Hit-Sadim-BK	2018-JAN-09	2018-MAY-1	334.20
1057551	Hit-Golden North	2018-JAN-09	2018-MAY-1	1128.04
1057554	Hit-Golden South	2018-JAN-09	2018-MAY-1	585.20

*On Approval of this Assessment Report

4.0 ACCESSIBILITY, CLIMATE, INFRASTRUCTURE AND PHSYSIOGRAPHY

4.1 Access

The Property is readily accessible by forest service roads originating either from the Coquihalla Connector in the north, Highway 5A along the western boundary of the claim or the Princeton – Summerland road on the south and eastern sides of the claims.

Portions of the Property especially along the Merritt-Princeton Highway corridor, the Summers Creek valley and parts of the east claims are also covered by private land. To access these areas landowner notification is required.

4.2 Infrastructure

The Property is located approximately half way between Merritt and Princeton where most supplies can be found, if not Kelowna is located approximately 1-1.5 hours travel east of the Property. High and medium voltage power lines and a natural gas pipeline cross through the western part of the Property west of the Ketchan-Delrich forest service roads.

4.3 Climate

Valleys such as the Summers Creek Valley and Allison Lake have warm summers, averaging around the mid-twenties Celsius and cool winters just below freezing with usually 30cm of snow. Higher elevations of the Property are usually warm and dry, averaging a little less than twenty degrees Celsius and cold, snowy winters hovering around minus ten degrees Celsius.

4.4 Physiography

The terrain at the Property ranges from small flat plateaus to steep sided valleys such as the Summers Creek Valley (Figure 2). The highest point on the claims is the Missezula Mountain summit at 1,654 m above sea level. The lowest point is the Summers Creek Canyon at less than 1,000 m.

Vegetation occurs as erratically occurring groves of lodge pole Pine, Spruce, Douglas Fir, Balsam, and Poplar. Most of the area covered by the claim blocks has been logged with most of the Pine trees devastated by the pine beetle. The climate is moderately dry and snow cover accumulates from late October and lasts to mid-April at lower elevations to mid-May on the plateaus over 1300 m.

5.0 HISTORY

The earliest exploratory work in the area dates back to the 1930's,and appeared to focus primarily on volcanic hosted red bed copper mineralization occurring in several small showings in and around the current Property boundaries. High grade shear hosted copper mineralization on the Axe prospect south of the Property was also targeted and explored (Preto, 1979).

5.1 Rum-Coke

In 1962, anomalous copper results in andesite outcrops lead to the discovery of the Rum and Coke mineral occurrences and the staking of claims in the area by Plateau Minerals. Throughout the 1960's, Plateau and Adera Mining conducted exploration activities including bulldozer trenches and 4 diamond drill holes (357.6 m). Adera allowed the claims to lapse in the late 1960's (Mark, 1976).

In the early 1970's, AMAX staked the Rum claims and conducted exploration work including a 9 hole (572.7 m) percussion drill program. However, AMAX's interest in the Property declined. Then Kalco Valley Mines continued exploration activities at the Rum claims conducting a short 4 diamond drill program and some trench sampling. In 1976, Ruskin Development acquired the Rum claims and conducted an extensive soil geochemical survey over the Property, but let the claims lapse in the late 1970's (Mark, 1976).

In 1981, Cominco acquired the Rum claims at the Rum and Coke mineral occurrence and conducted a magnetic survey, but allowed the claims to lapse a year later (Watson, 1985). In 1984, Peter Peto staked the Coke claims covering the Rum and Coke mineral occurrence and rock sampled in some old trenches and conducted a small magnetic survey in 1986. In 1987 Mingold Resources optioned the Coke Claims and conducted a soil survey over the Coke showing. The claims were allowed to lapse soon after (Yarrow, 1987).

In 1994, Harlow Ventures staked the Rum claims over the Rum and Coke mineral occurrences as part as their option of the Sadim claims to the south. In 2000, Toby Ventures acquired the Rum claims from Harlow Resources as part of their purchase of the Sadim claims to the south (Kicks, 2000). In 2002, Toby Ventures drilled 3 diamond drill holes (523.1 m) at the Coke mineral

occurrence (Ostler, 2002). In 2004, Santa Cruz Ventures continued drilling with 4 more diamond drill holes (457 m) at Rum and Coke. In 2005, Chris Dyakowski acquired the Rum claims with the purchase of the Sadim claims to the south.

In 2009, the Rum and Coke would become part of the Allison Lake Property optioned under Orofino Minerals (Kerr, 2010). In 2010, Orofino conducted a detailed exploration program, the Allison Grid, at the Sadim, Rum and Coke areas (Allen, 2010).

In early 2014, Colorado Resources purchased the Rum claims from Chris Dyakowski, adding them to Colorado's Hit-Aspen Grove Property. From 2014 to 2016, Colorado Resources conducted IP surveys and collected rock and soil samples at Rum and Coke prospect. Rock and soil samples resulted in high values for copper and zinc with elevated values in arsenic, molybdenum, and lead (Travis and Jacobs, 2015). In 2015, Adam Travis consecutively chip sampled malachite outcrop near the Coke Minfile Occurrence returning 15.5m of 0.36% Cu and 0.29 g/t Au (Travis and Jacobs, 2016).

5.2 Sadim

In 1985, I.M. Watson found gold bearing veins south of the Rum and Coke and discovered the Sadim mineral occurrence (Watson, 1985). Watson subsequently transferred the claims to Laramide Resources. Between 1985 and 1987, Laramide conducted a major exploration program at Sadim with soil and rock sampling, VLF electromagnetic survey, 42 m of trenching, and 15 diamond drill holes. Laramide's three year exploration program determined that the gold bearing zones were bounded beneath an eastward dipping shear zone (Watson, 1988).

Between 1994 and 1995, Harlow Ventures optioned the Sadim claims and conducted another major exploration program consisting of additional ground magnetic and VLF electromagnetic surveys to the north and south of the Laramide surveys, excavated three additional trenches, and drilled 12 diamond drill holes totalling 729 meters (McDougall, 1995).

In 2000, Toby Ventures purchased the Sadim Claims from Harlow Ventures. In 2002, Toby Ventures drilled 9 diamond drill holes (862.3 m) targeting the Sadim gold-quartz area (Ostler, 2002). In 2005, Chris Dyakowski purchased the Sadim claims. In 2009, the Sadim would become part of the Allison Lake Property optioned under Orofino Minerals. In 2010, Orofino conducted a detailed exploration program, the Allison Grid, on the Sadim, Rum and Coke areas (Allen, 2010).

In early 2014, Colorado Resources purchased the Sadim claims from Chris Dyakowski and incorporated the claims into Colorado's Hit-Aspen Grove Property (Travis and Jacobs, 2015).

5.3 Hit-Miss

In 1990, the Hit mineral occurrence was discovered when logging activity exposed a gold bearing quartz vein float. That same year, Vanco Explorations acquired the Hit Property. In

1990 and 1991, Vanco conducted an extensive exploration program consisting of rock sampling, soil sampling, geological mapping, trenching, and 2 short diamond drill holes totalling 185.93 meters (Westervelt and Watson, 1991).

During the period from 1981 to 1987, the Hit and Miss occurrences were systematically explored by the Canadian Nickel Company Limited. Detailed surveys included soil and gas geochemical survey, detailed mapping and prospecting, altimeter, ground VLF-EM, magnetic and I.P geophysics surveys, fluid inclusion and x-ray diffraction studies. Diamond drilling 3 NQWL diamond drill holes testing the Miss target during the summer of 1987. A summary report from the drilling program was filed by Dr. Wim Groeneweg (Assessment Report 17243).

In 2001, Cazador Resources Ltd staked the Hit claim at the Hit mineral occurrence. In 2002, Cassidy Gold optioned the Hit Claim from Cazador and staked the claim to the south covering the Miss mineral occurrence. However, Cassidy Gold was unable to raise funds and returned the Property back. In 2006, the Property was optioned to Amaryllis Ventures, then to become Avanti Mining. Avanti Mining conducted a soil grid sampling and geophysical I.P. survey on the Hit claims. The surveys confirmed results from two lines that the Hit Zone was underlain by a moderate chargeability response and a fairly strong resistivity low. This anomalous feature continues to the south for a short distance and to the north-northwest thru the west side of the Hit North zone towards the Sadim gold zone. Several other sub parallel zones labelled from east to west were also identified (Lindinger, 2008). Avanti returned the claims in early 2009.

In late 2009 and 2010, Colorado optioned and then purchased the Hit claims from Cazador Resources. Colorado continued the geophysical I.P. survey over the Hit mineral occurrence and to the 'North Hit' area. In 2011, Colorado conducted a trenching program that exposed a 120 by 25 m portion of the main Hit zone and was channel sampled across its entire width. In total, 736 channel samples were collected. A 26 m section in the southern part of the exposed system was dominated by well-mineralized multi-episodic quartz veins that averaged 5.58 g/t Au and 56.8 g/t Ag over an average horizontal width of 1.4 m (Lindinger, 2012).

5.4 Golden

In 1972, Vargas Mines Limited staked the EJ claims over the now EJ and Golden mineral occurrences and conducted a ground magnetic survey. Then in 1981 Lornex Mining purchased the Golden claim over the Golden mineral occurrences. Lornex completed a ground magnometer survey, geologic mapping, and soil grid sampling. The soil sampling detected anomalous copper values (Christopher, 1981).

In 2009, the Golden mineral occurrences would be part of Orofino optioned Allison Lake Property (Allen, 2010). In late 2011, Colorado Resources purchased the Allison Lake Property from Orofino and staked the Vale claims as part of Colorado's Hit-Aspen Grove Property. In 2012, Colorado conducted a road cut soil sampling program at the Golden mineral occurrence finding high anomalous copper results and completed an 18.4 line km geophysical I.P. survey in 2012 (Travis, 2012). In 2015, Colorado conducted more soil sampling at Golden along newly

constructed forestry service roads (Travis and Jacobs, 2016). Colorado allowed the four Vale claims to lapse in early 2016.

5.5 Allison Lake and the Western Hit-Aspen Grove Property

In the late 1940's, the excavation of Marl occurred on the south shores of Allison Lake. Then in the late 1960's, Blue Gulch Explorations conducted a trenching and a 3 diamond drill hole (641 m) program at the Pine minfile occurrence. With the exception of Blue Gulch, there were various small exploration programs in the area throughout the 1970's that discovered many of the minfile occurrences in the area.

In 2009, this area would become part of Orofino's optioned Allison Lake Property (Allen, 2010).

In 2011, Colorado purchased the Allison Lake Property and in 2012 conducted a major road cut soil sampling program and geophysical I.P. survey west of the Hit claims. Results from the soil sampling indicate spotty anomalous areas of copper, zinc, and molybdenum (Travis, 2012).

5.6 Orofino Option and the Allison Lake Property

In 2009, Orofino Minerals optioned a large land deal with area claim owners Richard Billingsly, Dwanye Kress, and Chris Dyakowski creating the Allison Lake Property totaling 30 claims from Highway 5A in the west to Siwash Creek in the east. In 2009, Orofino conducted an 891 line km airborne magnetic and radiometric survey and stream sediment sampling over the entire Property (Kerr, 2010).

In 2010, Orofino continued exploration work on the entire Allison Lake Property with geological mapping, rock sampling, and stream sediment sampling. In addition, Orofino targeted the Sadim, Rum, and Coke mineral occurrences with a more detailed program called the Allison Grid. The Allison Grid consisted of 1,230 soil sample grid covering 10 km², 56 line km geophysical 3 dip, and a 57 line km ground magnetic survey (Allen, 2010).

In 2011, Orofino returned the claims back Richard Billingsly, Dwayne Kress, and Chris Dyakowski.

5.7 Colorado Resources Hit-Aspen Grove Property

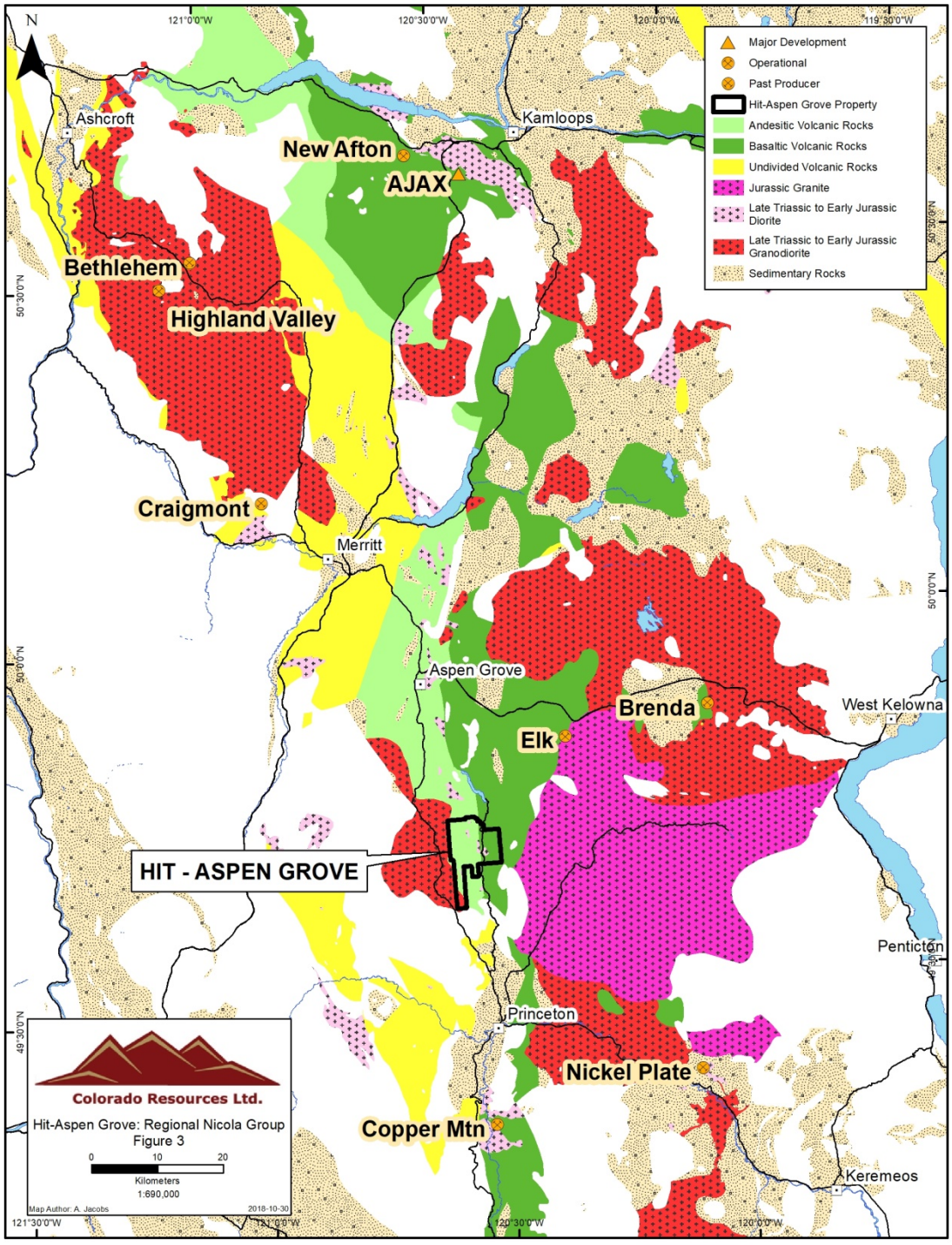
In late 2011, Colorado formed the Hit-Aspen Grove Property which consisted of the original Hit claims and the purchase of the Allison Lake Property (Travis, 2012). Colorado would continue to expand the Hit-Aspen Grove Property through acquisitions and staking. In 2012 and 2014-15, Colorado conducted exploration activates on the Hit-Aspen Grove Property with road cut soil sampling, rock sampling and geophysical I.P. surveys (Travis and Jacobs, 2016).

5.8 Other Recent History on Adjacent Properties

In 2011, Fjordland Exploration prospecting program found grab samples yielding 1.64% Cu, 56.9ppm Mo, and 28.9g/t Au on their Dillard Property, southeast of the Property. Subsequently, between 2012 and 2014, Fjordland continued conducting geochemical and geophysical surveys, 2,070 m of trenching and a 20 hole, 8174 m diamond drill program with hole DI14-19 intersecting of 0.2% Cu and 0.09g/t Gold over 153 m (Peters, 2015).

The Axe property located on the southern border of the Hit-Aspen Grove property was discovered in the 1920's with an adit dug in the Adit Zone. In 1972, Adonis Mines drilled 22 diamond hole and 74 percussion holes defining a Amax resource estimate of 107.3 million tonnes at 0.38% Copper (Rosset, 2013). In late 2016, Evrim Resources acquired 100% interest in the Axe property (Evrim Resources News Release, 2016). A year later, Evrim optioned the Axe property to Antofagasta who started a 3000 meter drill program in the spring of 2018 (Evrim Resources News Release, 2018).

Figure 3: Regional Nicola Group Geology



6.0 REGIONAL AND PROPERTY GEOLOGY

6.1 Regional Geology

The most common lithologies underlying the region are the Nicola Group portion of the Quesnel Terrane, a west facing obducted volcanic arc of late Triassic to early Jurassic age. The Nicola Group extends as a continuous belt from near the US border (the 49th parallel) to just north of Kamloops Lake, where it is covered by extensive Tertiary volcanic rocks. Further north the Nicola Group is exposed near Little Fort and extends to the 62nd parallel.

A western belt of calc-alkalic extrusive volcanic rocks, coeval intrusive and derived sedimentary rocks (Figure 3);

- A central belt of alkaline to calc-alkalic volcanic rocks,
- Intrusion and minor sedimentary rocks (including carbonates) and,
- An eastern belt of alkaline volcanic rocks, coeval alkalic intrusive rocks, and contemporaneous and older sedimentary rocks, some of which are believed to be arc derived (Preto, 1979).

These rocks have been intruded by several generations of mid Mesozoic to Eocene intrusive rocks and are intermittently overlain by several mixed sedimentary-volcanic assemblage (Figure 4 in Appendix I).

In the Allison Lake - Vale area, the Nicola Group rocks are confined to a relatively narrow north trending fault bound sequences of the central and eastern volcanic facies units. These are separated by the Summers Creek Fault, a long lived regional structure that may extend for hundreds of kilometers (Preto, 1979).

The central volcanic facies rocks are generally upright to moderately dipping (east and west). Preto (1979) interprets the belt as a series of north trending eruptive centers evidenced by coarse subareal and submarine trachybasalts and andesites with remnant aprons of epiclastic sediments and locally discontinuous sequences of argillaceous and carbonate rocks. These eruptive centers are often partially invaded by coeval dioritic to monzonitic intrusive bodies and related hydrothermal breccias that have the potential to host economic porphyry copper +/-gold, +/-precious group metal deposits such as the Rum and Coke occurrence and the Axe deposit soth of the Hit-Aspen Grove Property. Further discussion on these and other mineral showings are explained in the following “mineralization” section.

The eastern volcanic belt contains alkalic volcanics and related coeval intrusive centres and adjoining epiclastic and argillaceous sediments and carbonates. These rocks host the uncommon but globally important alkalic copper-gold porphyry copper deposit type. These include the Copper Mountain, Iron Mask, and Mt. Polley intrusive complexes that host multiple mineralized deposits. The Prime-Man area just north of the Hit-Aspen Grove Property area is the closest known deposit group of this type. Also intruding these rocks are slightly later Jurassic batholithic sized intrusive such as the nearby Pennask Batholith that hosts the Brenda copper-molybdenum deposit.

Other potentially economic metallic deposits types that may occur in the region include volcanic red bed type copper. More important economically are widespread Cretaceous and Tertiary epigenetic gold-silver enriched quartz vein fissure and shear zone associated deposits. The Hit, Sadim, and past producing Elk gold deposits are some of the most important deposits of this type in the region.

6.2 Property Geology

Property geology on the Hit-Aspen Grove Property is well mapped and understood. In 2013, Mitchell Mihalynuk completed his Summers Creek Preliminary Geology study (Mihalynuk et al, 2014) which covers the Hit-Aspen Grove Property (Figure 5a and 5b in Appendix I)

7.0 PROPERTY MINERALIZATION

The Property hosts 18 Minfile occurrences; these occurrences group approximately into three main groupings and include the following (Figure 6):

1. Four porphyry Copper-Gold to Copper-Molybdenum-Gold associated with the eastern contact of the Allison Lake Pluton and the western contact of the Jurassic intrusive rock in the west
2. Eleven volcanic Copper Redbed occurrences clustered on the west and east side of Summers Creek
3. Three Polymetalic Silver-Lead-Zinc-Gold occurrences.

Regionally, alkalic copper-gold porphyry deposits such as the Copper Mountain Mine 40km to the south and Afton Mine 100km to the north of the Hit-Aspen Grove are the most economically significant deposits in proximity to the Property. Closer to the Property, two deposits; the Mann-Primer to the north, and the Axe to the south, not owned by Colorado Resources, have seen substantial work and attest for the potential for these types of deposits on the Hit-Aspen Grove Property.

The region is also host to dozens of small high and less commonly larger shear associated medium grade gold +/- silver bearing vein deposits. The most notable nearby occurrences are the Elk past producer 23km northeast of the Hit-Aspen Grove Property

7.1 Copper-Gold Porphyry Style Mineralization

At the Coke prospect, mineralization occurs near the fault in the microdiorite, and consists of pyrite as disseminations and fracture coatings and lesser chalcopyrite, bornite and chalcocite in fracture fillings and quartz-carbonate veins. Chalcopyrite also occurs as disseminations and in calcite and epidote veinlets. Similar mineralization is found at the Rum prospect to the south. Malachite and azurite accompany limonite in surface exposures. Trenching and drilling has intersected significant copper mineralization in a zone up to 150 m wide, trending north for 450 m, along the west flank of the Missezula Mountain fault. Chip sampling of a trench assayed 0.20% Cu over 51.8 m (Property File - L. Sookochoff, 1975, page 9, trench 1). Analyses from a second trench averaged 0.28% Cu and 9.9 g/t Ag over 24.4 m (trench 4). One diamond drillhole graded 0.23% Cu over 83.2 m (L. Sookochoff, 1975, page 11, hole K-4, 29.6 to 112.8 m). Rock sampling yielded low gold values, generally not exceeding 0.032g/t Au; however, a sample of

microdiorite, with pyrite, chalcopyrite and malachite, assayed 0.35g/t Au from sample R8 (Peto, 1985).

In 2013, West Cirque Resources Ltd. collected four samples from outcrops and trenches just north of the Coke prospect and assayed up to 0.652% Cu, 0.233 g/t Au, and 52.2 g/t Ag (Bradford, 2013). Even though their claims are located approximately 250 meters north of the Coke minfile occurrence, these results highlight the potential significance for gold mineralization associated with the copper which may not have been fully appreciated by earlier work in the 1970's.

At the Rum copper prospect, a north trending, sill-like body of hornblende augite microdiorite, 3,000 by 600 meter in area is noted. The stock is truncated to the east by the north-northeast striking Missezula Mountain fault, a branch of the Summers Creek fault to the east, which juxtaposes steeply dipping lapilli and crystal tuffs with minor limestone lenses against the diorite. Near the fault, the microdiorite hosts pyrite, as disseminations and fracture coatings, and lesser chalcopyrite, bornite and chalcocite, in fracture fillings and quartz-carbonate veins. Chalcopyrite is also weakly disseminated.

Trenching and diamond drilling indicates copper mineralization is largely confined to a north-trending zone, 250 m long and up to 200 m wide. Chip sampling of a trench analyzed 0.16% Cu over 183 m, including 0.29% over 53.3 m (L. Sookochoff, 1975, page 9, trench 7). A second trench averaged 0.10% Cu over 137 m (trench 8W). One percussion hole yielded 0.09 % Cu over 27.4 m (L. Sookochoff, 1975, page 10, hole PR 10, 9.2 to 36.6 m). Core from a diamond-drill hole assayed 1.41% Cu over 0.76 m (L. Sookochoff, 1975, page 11, hole K-3, 48.62 to 49.38 m). Rock sampling yielded gold values of up to 0.071g/t in sample R1 (Peto, 1985).

7.2 Polymetallic Silver-Lead-Zinc-Gold Veins

At the Sadim gold prospect, rocks are cut by a major east-dipping shear zone, possibly a thrust fault, which trends north, and ranges up to 15 m in width. The zone occurs along a dark grey carbonaceous limestone and separates andesitic flows and tuffs to the west from mixed tuffs to the east. The shear has caused intense fracturing and alteration in the adjacent tuffs, especially in the hangingwall. The tuffs are moderately to strongly carbonatized and variably silicified.

A quartz vein stockwork is developed in the hangingwall tuffs, comprised of quartz veins ranging from less than a millimeter to greater than 1 m in width. The quartz veins are erratically mineralized with disseminated sulphides, consisting mostly of pyrite and chalcopyrite, and lesser galena. Petrographic studies also indicate traces of sphalerite and lead and silver tellurides (altaite and hessite). The sulphides commonly occur along vuggy vein margins or in the centre of the veins.

Chip sampling of trenches yielded gold values of 0.050 to 4.35g/t Au over 1 m (Watson, 1987). The precious metals content of the stockwork is directly related to the intensity of quartz veining, fracturing and sulphide content. Galena is strongly associated with higher gold and silver values. Gold to silver ratios are remarkably constant at about 1 to 8 (Watson, 1988). The nature of this mineralization and alteration suggests the deposit is of mesothermal origin (Watson, 1988).

Diamond drilling and trenching have intersected two zones containing significant gold. The Main zone contains the bulk of the gold-bearing stockwork mineralization. The stockwork and associated alteration are best developed over a north-south distance of 100 m. To the north, the zone grades into unaltered, barren tuff, while to the south, the zone is interpreted to be truncated at surface by a northeast-striking fault. Drilling intersected gold mineralization in vein clusters and stockworks 2 to 24 m thick. One section in hole 87-6 averaged 3.566g/t Au and 25.4g/t Ag over 9.0 m from 21.5 to 30.5m (Watson, 1988). Drilling indicates precious metal content increases from south to north.

At Sadim east of the Main Zone, or East Zone, is a series of shear controlled alteration zones have been partially delineated by trenching and mapping. The bands of carbonatised pyritic tuff here are narrow and elongated; size, degree of alteration and abundance of quartz veining are related to intensity of shearing and fracturing. The zone contains several large quartz veins about 1 m wide. One east-striking, steeply south-dipping quartz vein assayed 151.1 g/t Au and 410.9 g/t Ag over 1.0 m (Watson, 1988).

At the Hit Prospect, a shear zone striking north to northwest for at least 380 m, cuts tuff, altered porphyry and pyroxene andesite. The zone dips 60 to 70 degrees east and widens southward from 30 m at its north end to about 100 m at its south end.

The volcanics are extensively fractured, sheared and altered within the zone, especially the tuffs and trachy-basalt porphyry. The tuffs are carbonatized and clay altered, and the porphyry is variably sericite and clay altered.

Mineralization is hosted in quartz veins and stockworks occurring throughout the shear zone. Individual veins are less than 1 mm to 2 m wide and are most commonly concordant with shearing. The veins contain scattered grains of sulphides, mostly pyrite, and locally sphalerite, chalcopyrite and galena. Sulphide content is related to vein size and density of fracturing. Malachite is developed in surface exposures. Galena tends to be associated with elevated gold and silver values.

Channel sampling of a prominent north-trending quartz vein system, in the southern half of the shear zone, yielded an average grade of 12.3 g/t Au and 119 g/t Ag over a strike length of 109.7 m and an average width of 1.4 m (Watson, 1991). A heavily mineralized grab sample assayed 206 g/t Au (Watson, 1991). Two angled drillholes intersected weakly pyritic quartz veins in weakly and erratically mineralized fault gouge and alteration zones, suggesting that the main quartz vein system has been displaced or warped into a steeper plane. Gold values in drill core ranged up to 0.60 g/t (Westervelt and Watson, 1992).

A series of irregular limestone-hosted shears occur about 170 m southwest of the south end of the prominent quartz vein system. Small quartz-carbonate veins and stockworks associated with the north-striking, steep dipping shears contain scattered grains of pyrite, galena, chalcopyrite, chalcocite and sphalerite. Malachite and azurite are also present. Sample 12520, a rock sample analysed 0.002g/t Au, 23.7g/t Ag, 0.0499% Cu and 0.791 % Pb (Westervelt and Watson, 1992).

In 2011, Colorado Resources Ltd. conducted a trenching program that exposed a 120 by 25 m portion of the main zone and was channel sampled across its entire width. In total, 736 channel samples were collected. A 26 meter section in the southern part of the exposed system was dominated by well-mineralized multi-episodic quartz veins that averaged 5.58 g/t Au and 56.8g/t Ag over an average horizontal width of 1.4 m. The best interval from this section returned 10.6 g/t Au and 98 g/t Ag over an estimated true width of 1 m. A cut-off grade of 2.4 g/t Au was used (Lindinger, 2012).

The Miss prospect is hosted in a north-trending sequence of plagioclase porphyritic andesitic flows, tuffs and agglomerates, dipping about 30˚ east. The volcanics appear to be intruded by a narrow, rusty-weathering body of leucocratic quartz porphyry, trending north-northeast for 3.5 kilometers and varying up to 800 m wide (Preto, 1979; Westervelt and Watson, 1992). Detailed mapping and diamond drilling initially suggested this unit may be the product of the strong alteration and locally intense shearing of Nicola Group volcanics in a porphyry hydrothermal environment (Groeneweg, 1988). Additional mapping and petrographic work suggests that it is a highly altered and mylonitized granodiorite/quartz diorite (Westervelt and Watson, 1992). Recent work by Mihalynuk and others suggests that this unit is in fact a pyritic felsic lapilli tuff that could also be a hypabyssal sill related to the Boulder intrusion which displays border phases which are lithologically similar (Mihalynuk, 2014).

Lenses and belts of relatively fresh diorite are associated with the quartz porphyry. Petrographic and x-ray diffraction studies indicate it contains abundant quartz and illite, with minor kaolinite, chlorite, plagioclase and trace calcite and orthoclase (Debicki, 1985). Sericite is also reported. This alteration has been intersected in drilling to depths of up to 300 m. The eastern contact of the quartz porphyry with Nicola Group andesites is strongly sheared. This shearing coincides with the north-northeast striking Missezula Mountain fault, a structure associated with the north-striking Summers Creek fault system to the east.

The quartz porphyry is mineralized with 1 to 5% disseminated pyrite and occasional, minor chalcopyrite in quartz veinlets. A stockwork of quartz-siderite veins and veinlets has been traced for 350 m in weakly silica and epidote-altered volcanics along the eastern sheared margin of the quartz porphyry. The stockwork is 50 m wide and continues to a depth of at least 100 m. The quartz-siderite veins and veinlets are mineralized with pyrite, chalcopyrite, galena, sphalerite and argentite. Minor amounts of chalcopyrite and pyrite are also found in short north- northeast striking shears, in association with carbonate, chlorite and epidote. The stockwork is disrupted by postmineral faults. One angled drillhole, hole 72412, analysed 0.785 g/t Au, 14.9 g/t Ag, 0.03% Cu, 0.05 % Pb and 0.17% Zn over 1.22 m from 47.84m to 49.07m (Groeneweg, 1988). A second section of core from the same hole graded 0.049 g/t Au, 5.8 g/t Ag, 0.9% Cu, 0.06 % Pb and 0.8% Zn over 2.05 m (132.8 to 134.85 m). A chip sample, sample 12534, of a vein with banded sulphides, taken from a trench near hole 72412, analyzed 1.46 g/t Au, 30.7 g/t Ag, 0.0117% Cu, and 1.670% Pb over 25 cm (Westervelt and Watson, 1992).

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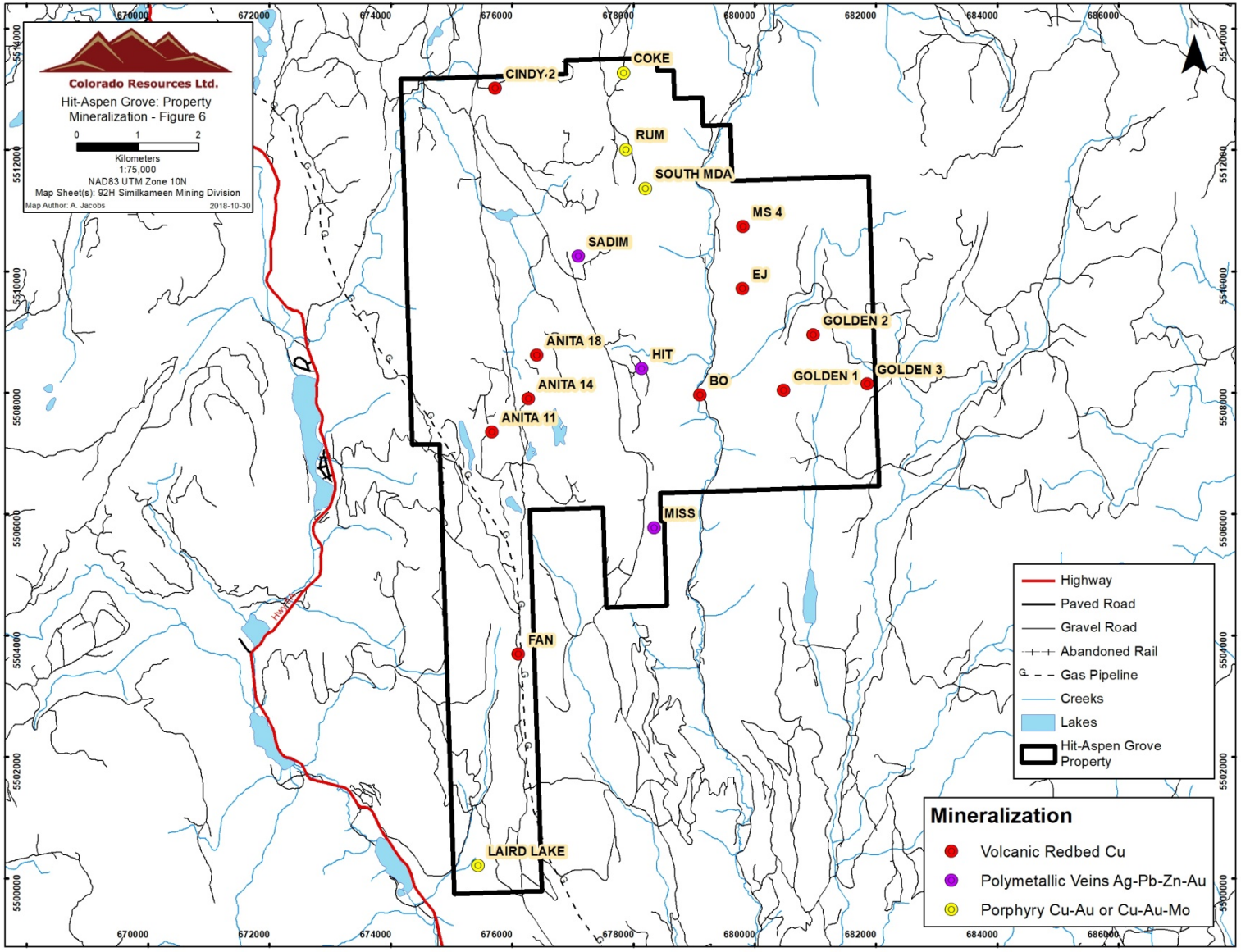
Figure 6: Property Mineralization



8.0 2018 EXPLORATION PROGRAM

During the summer of 2018, a prospecting program was conducted across the entire property as a follow-up to check on specific structural lineaments and geophysical / geochemical anomalies and historic reported minfile occurrences. A total of 40 rock grab samples were collected over 3 days in June and 4 days in July 2018. Access into the areas sampled was by 4x4 truck followed by traversing with compass and GPS. These rock samples collected were submitted to ActLabs in Kamloops for Fire Assay AA (Code 1A2) and Aqua Regia ICP/MS (Code UT-1).

The prospecting program in 2018 commenced in the southernmost part of the property at the historic minfile occurrence known as the "Miss" target. Four grab samples were collected in the immediate vicinity of this minfile occurrence. Five grab samples were also collected near the southern limit of the property south of the Miss occurrence, while an additional 10 samples were collected along sheared outcrops adjacent to the road within 1 kilometer to the north of the Miss occurrence. Prospecting in this area focused on a broad, north-northeast oriented mineralized shear related to the previously mapped Missezula Mountain fault (Preto, 1979).

Twelve samples were collected along a logging road accessing the Minfile occurrences including Laird Lake, ON 1, FAN, and ANITA 11. The samples were collected along north south oriented structural lineaments. An additional 7 samples were collected at the "Rum" occurrence while 2 samples were collected at the "Coke" minfile occurrence. Rock samples collected between the "Rum" and "Coke" occurrences targeted porphyry related copper gold mineralization. In total forty samples were collected for the prospecting program. Sample locations are plotted on Figures 7a and 7b in Appendix I.

9.0 SAMPLE PREPARATION, ANALYSES and SECURITY

9.1 Field Sample Preparation and Collection Methods

Rock grab samples were collected by taking selected pieces of rock from outcrop or float. Chip samples consist of representative chips of rock taken along a specified length of outcrop while composite samples consist of representative chips of rock taken from within a specified area of outcrop or float. Grab, chip and composite samples were taken using a rock hammer and then placed in a poly-bag and labeled with the corresponding sample number. Sample location sites were marked with fluorescent flagging tape, labeled with the sample number. Sample locations (UTM coordinates) were taken using a hand-held GPS device.

Detail descriptions of samples are located in Appendix II

9.2 Analytical Laboratory Certification

Colorado utilized laboratories registered with current ISO accreditation. The International Standards Organization (ISO) adopted a series of guidelines for the global standardization of Quality Assurance for products and services. Colorado used Activation Laboratories Ltd ("ActLabs") of Kamloops B.C. for all geochemical and assay analysis for the 2018 summer Hit-Aspen Grove program. Analytical Certificates for the rock, grab, chip, and soil samples are presented in Appendix III.

9.3 Laboratory Sample Preparation and Analysis Methods

Rock samples were prepared by crushing 90 % to -10 mesh (2 mm), riffle splitting and then pulverize a 500 g split to 95 % -150 mesh (prep code RX1-Dry). Samples were then analyzed for 68 elements using an Aqua Regia digest with an ICP-MS finish (code UT-1) and for gold by 30 g fire assay fusion with an AA finish (code 1A2). Over limit gold samples were reanalyzed by the 1A3 method which uses a gravimetric finish while over limit base metal samples were assayed by the 8-AR method with an Aqua Regia digest and ICP-MS or OES analysis.

9.4 Sample Security

Rock samples were placed in zip tied sealed poly-ore bags, clearly labeled with the sample number. Samples were then placed in labeled polyfiber bags and sealed with a numbered security tag. Samples were processed in shipments, each with a unique ID number. The security tag numbers for each bag in a shipment were recorded and entered into the project database at Colorado's head office. Shipments consisted of a single sample type, either soil or rock.

Samples were delivered by Greyhound from West Kelowna, B.C. to the lab facilities in Kamloops B.C. All received sample tag numbers sent in by ActLabs matched the numbers recorded by Colorado personnel when preparing the shipment, confirming that the samples had not been disturbed.

10.0 2018 RESULTS

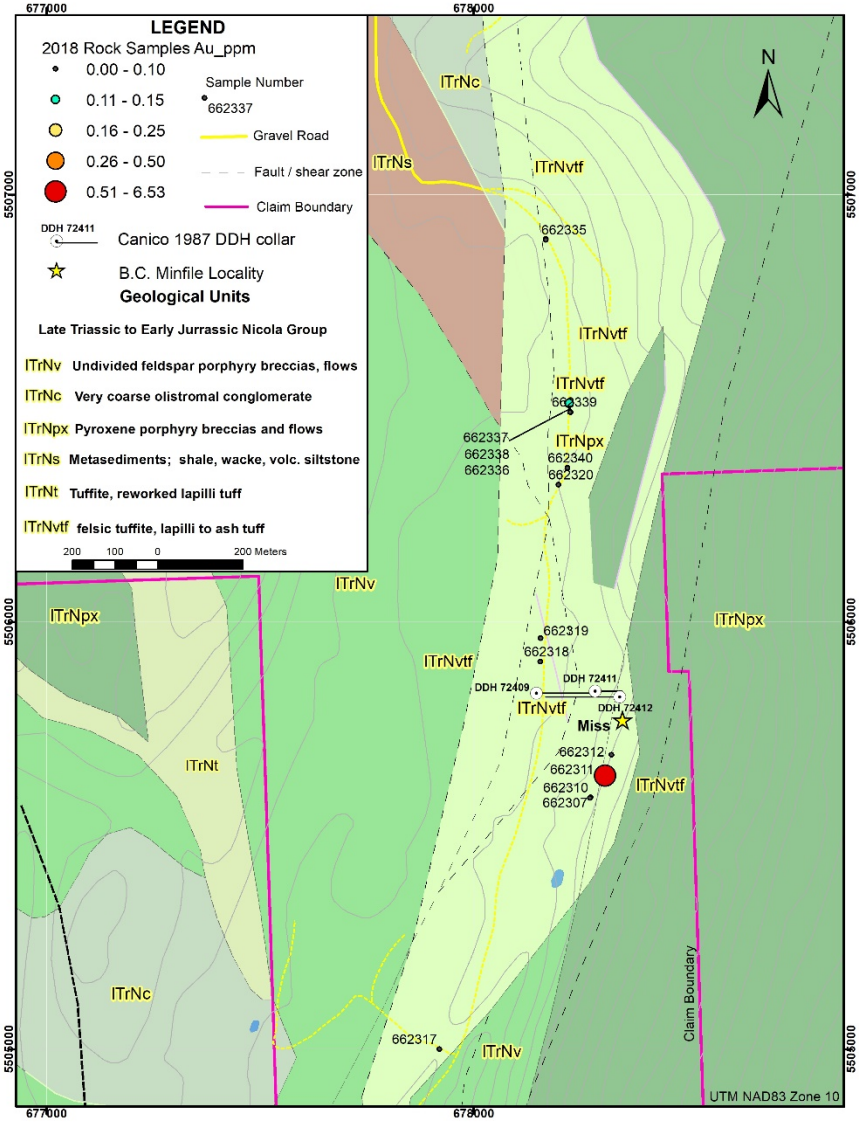
A high-grade epithermal vein was sampled in outcrop at the B.C. Minfile occurrence named "Miss" which reported up to 9,960 ppb Au (Sample 662311) with anomalous arsenic, lead, zinc and mercury, hosted in a highly altered quartz sericite quartz porphyry intrusive. This vein appears to be part of a larger stockwork system that has previously reported multiple grab samples which have historically demonstrated much lower gold values in the 1-2 g/t Au range. Multiple subparallel associated with Missezula shear trends through the Miss occurrence along a north-northeast orientation and has a minimum mapped width of 700 meters (Preto, 1979).

Historical trenching was previously conducted 90 meters east of the high-grade grab sample collected in 2018, while historical drilling completed by the Canadian Nickle Company in 1987 was located 200m north and west of the high- grade sample site, indicating that the historical drilling did not test the Miss target in the vicinity of the high-grade sample collected in 2018.

Prospecting and sampling results from the minfile localities known as Rum and Coke revealed sub-economic porphyry copper gold values. The remainder of the sampling completed in the vicinity of the Laird Lake, ON 1, FAN, and ANITA 11did not return any significant values.

2018 rock descriptions and results can be found in Appendix II

Figure 10: Gold Values at the Miss Occurrence



11.0 CONCLUSIONS AND RECOMMENDATIONS

The high-grade gold sample (662311) obtained at the Miss occurrence is the highest reported gold value in the history of exploration at this occurrence. The initial ICP-MS value reported 9960 ppb Au while the fire assay reported 6.53 g/t Au and the gravimetric analysis reported 6.57 g/t Au. Sample 662311 also reported 550 ppm Hg, 10.4 g/t Ag, 3010 ppm Zn and 5001 ppm Pb, demonstrating that this vein is clearly associated with epithermal style mineralization.

Previous sampling demonstrates that the gold mineralized system at the Miss occurrence has reported anomalous values over a strike of 250 meters along a NNE trending strike direction by

150 meters width, and is structurally controlled by the Missezula shear. This structure is currently under-explored.

A small trenching program is recommended to excavate several sections spaced at 75 meters designed to test a cut through a small ridge that hosted sample 662311 which reported 6.53 g/t Au. Several trenches could be excavated with a minimum length of 50 to 100 meters each. Each trench would be excavated with an orientation of N110°E degrees in order to cross-cut the mineralization at an angle close to 90 degrees. This target is located near the southeastern limit of the property and is easily accessed from Princeton by highway and seasonal gravel logging roads. The budget required for this program would be approximately $30,000.

Table 2: Proposed Future Expenditures

Activity	Cost
Mob and Demob from Princeton	$ 3,500.00
5 days excavator Miss showing	$ 10,000.00
Geo +Tech sampling and mapping	$ 6,500.00
Rock sample analysis	$ 8,000.00
Report	$ 2,000.00

No further exploration is recommended on the remaining targets on the proper

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13.0 STATEMENT OF QUALIFICATIONS

I, William C. Yeomans. P.Geo., do hereby certify that as the author of the report entitled "*Prospecting Assessment Report on the Hit-Aspen Grove Property, Missezula Mountain Area, B.C., Similkameen Mining District."* and dated November 7th 2018, I hereby make the following statements:

I am a consulting geologist and President of Yeomans Geological Inc. located at 3811 Harding Road, Westbank. British Columbia, Canada, V4T 2J8
I am a graduate of Queen's University, Kingston, Ontario. Canada, in 1982 with a B.Sc. Honours Geology degree;

I am a Practicing Member of the Association of Professional Engineers and Geoscientists of British Columbia (027187) and a member of the Society of Economic Geologists;

I have practiced my profession continuously since graduation. I have over 36 years of experience in mineral exploration and over 12 years of experience as an independent consultant. I have explored throughout the Americas and China with experience in exploration programs for base metals, nickel, platinum group metals, uranium, diamonds and gold. I have supervised definition drilling of advanced stage gold properties; management experience at the national and international level, including experience at President/Vice-President/Director level;

I have read the definition of "qualified person" set out in National Instrument 43-101 (NI 43-101) and certify that, by reason of my education, affiliation with a professional association (as defined in NI 43-101), I fulfil the requirements to be a "qualified person" for the purpose of this technical report. I am familiar with sections 33(1) and section 16 of the *Mineral Tenure Act* for British Columbia;

I am responsible for all sections of the Technical Report titled "Prospecting Assessment Report on the Hit-Aspen Grove Property, Missezula Mountain Area, B.C., Similkameen Mining District." and dated November 7th, 2018.

I have previously worked in the Princeton region and have conducted extensive independent research on the Tulameen Ultramafic complex over the past 14 years;
As of the date of this report, to my knowledge, information and belief, this Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

For the purpose of this report I have completed a technical review of available data based on work completed to date during this study. The work included a complete review of all available data for the property.

signed by

……
"William C. Yeomans”
William C. Yeomans. P.Geo.
November 7th, 2018

14.0 COST STATEMENT

Exploration Work Type						Totals
Personnel in Field	**Period in Field**	**Hours**	**Days**	**Rate**	**Subtotal**	
William Yeomans - Lead Geologist	June 4 & 5, July 7, 8, 9, 15 & 16		7.0	$970.00	$6,800.00	
Don Bishop - Geotechnologist	June 4-5, 2018		2.0	$300.00	$600.00	
William P. Yeomans Jr. - Field Assistant	June 3, 4, & 5		3.0	$225.00	$675.00	
					$7,400.00	**$7,400.00**
Office Studies / Logistics/Report	**Description**	**Hours**	**Days**	**Rate**	**Subtotal**	
William Yeomans - Lead Geologist	Data Analysis, GIS, Report Writing		4.75	$850.00	$4,050.00	
Allan Jacobs	GIS, Report Writing, Permits, Samples	54.0		$42.74	$2,306.88	
					$6,356.88	**$6,356.88**
Geochemistry	**Description**		**Qty**		**Subtotal**	
ActLabs - Kamloops BC	41 Rock Samples - Analysis		40		$994.17	
Courier - Greyhound Bus	Ship Samples from Kelowna to Kamloops		40		$97.59	
					$1,091.76	**$1,091.76**
Travel & Transprotation	**Description**				**Subtotal**	
Truck Rental	Truck Rental				$700.00	
Truck Rental Fuel	Fuel for Truck Rental				$455.66	
					$1,155.66	**$1,155.66**
Field Supplies	**Description**		**Qty**	**Cost**	**Subtotal**	
Sample Bags	Rock Sample Bags		40		$24.60	
Misc Field Supplies	Misc Field Supplies				$31.73	
Field Lunch	Lunches During Field Days				$66.05	
					$122.38	**$122.38**
PROJECT TOTAL EXPENDITURES						**$16,126.68**

Appendix I

Maps

Colorado Resources Ltd.

Hit-Aspen Grove: BC Bedrock Geology
Figure 4

0 1 2
Kilometers

1:50,000
NAD83 UTM Zone 10N
Map Sheet(s) 092H Similkameen Mining Division, BC
Map Author: A. Jacobs
2018-10-30

- Community
- Minfile Occurrence
- Highway
- Abandoned Rail
- Roads
- Contours (100ft)
- Creeks
- Fault
- Thrust Fault
- Lakes
- Hit-Aspen Grove Property

Pleistocene to Recent
- Alluvium & Till (PlRal)
- Alkaline Volcanic Rock (PlRvk)

Miocene to Pliocene
CHILCOTIN GROUP
- Basaltic Volcanic Rock (MiPiCvb)

Eocene
PRINCETON GROUP
- Andesitic Volcanic Rocks (EPrb)

Cretaceous
- Undivided Sedimentary Rock (Ks)

Lower Cretaceous
SPENCES BRIDGE GROUP
- Undivided Volcanic Rock (lKSB)

Upper Triassic
NICOLA GROUP
- Andesitic Volcanic Rocks (uTrNc)
- Basaltic Volcanic Rock (uTrNE)
- Undivided Volcanic Rock (uTrN)
- Mudstone, Siltstone, Shale Fine Clastic Sedimentary Rock (uTrNsf)

Eocene
- Granodioritic Intrusive Rocks (Egd)

Cretaceous
- Granite, Alkali Feldspar Granite Intrusive Rock (Kgr)

Middle Jurassic
- Granite, Alkali Feldspar Granite Intrusive Rock (MJgr)

Late Triassic to Early Jurassic
- Dioritic to Gabbroic Intrusive Rock (LTrJdr)
- Granodioritic Intrusive Rocks (LTrJgd)

Geology Source: BC Bedrock Geology. 1996

N

Colorado Resources Ltd.

Hit - Aspen Grove: Property Geology

Figure 5a

0 1,000 2,000

Meters

1:30,000

NAD83 UTM Zone 9N

Map Sheet(s) 092H Similkameen Mining Division, BC

Map Author: A. Jacobs 2018-10-30

MOB 8
MOB 2
MOB 6
CINDY
NELLIE
NELLIE 28
PRIMER (SOUTH ZONE)
DILLARD LAKE
DILL
CINDY 2
COKE
SHAMROCK
MAN
STAR
LORRY
RUM
SOUTH MDA
MS
MS 4
LISA
SADIM
DILL 29
EJ
AL
GOLDEN 2
GOLDEN 1
GOLDEN 3
ANITA 18
HIT
BO
PINE
ANITA 14
ANITA 11
Allison Lake
ALLISON LAKE
MISS
VALE
DD
DRY
P
FAN
APRIL
RABBIT
TUK
AXE (WEST ZONE)
AXE (EAST ZONE)
DRY LAKE
PIP
OK
AXE (SOUTH ZONE)
AT
ON 1
ON 2
BSM
RITA
ER
LAIRD LAKE
CHICO

Community
Mineral Occurence
Highway
Roads
Contours (100ft)
Creeks
Lakes
Hit-Aspen Grove Property

Geology Source:
Mihalynuk, M.G. et al, (2014): Summers Creek Preliminary Geology

Mihalynuk et al Geology Legend: See Figure 5b

LAYERED ROCKS

MIOCENE

Chilcotin Group

MiCv — Alkali olivine basalt flows and rare interflow breccia. Dark brown to tan-weathering and black fresh. K-Ar ages of 9 and 9.2 ±1.8Ma were obtained near Coalmont (Mathews, 1989; Breitsprecher and Mortensen, 2004 -location adjusted on map).

EARLY EOCENE

Princeton Group

'Upper Volcanic' Formation

eEPvu — Volcanic member, upper. Near Dillard Lake this unit includes oxy-hornblende, biotite, sanidine, and plagioclase -phyric rhyolite flows, breccias and flow domes (50.2 ± 0.6 Ma, 40-39Ar, Mihalynuk et al., 2014).

Allenby Formation

eEPSs — Summer Creek sandstone (<300 - 590m thick). White to orange, massive to well-bedded, tuffaceous, zeolitic sandstone and granule conglomerate (in places largely sourced from the Osprey Lake batholith) with minor siltstone, shale and sparse layers of coalified plant detritus.

eEPCc — China conglomerate (up to 130m thick). Marker in eEPVsh, is tan to brown, volcanic and quartz-pebble and granule conglomerate, volcanic sharpstone conglomerate (derived from Nicola Gp. and Pimanus Fm.), and coarse wacke.

eEPVsh — Vermillion Bluffs shale (90-1000m thick). Grey to black, locally maroon, carbonaceous to bentonitic shale enclosing coal and minor thin sandstone layers. May locally include siliceous sinter, diatomaceous, and dolomitic beds.

eEPHs — Hardwicke sandstone (up to 400m thick). White quartzo-feldspathic sandstone with minor siltstone and rare shale interlayers. Green-brown lithic sandstone near basal boulder conglomerate.

Cedar Formation

eEPCv — Mainly red-brown andesitic to basaltic flows, breccia and lahar; locally light-weathering, aphanitic to sparsely hornblende and feldspar-phyric dacite flow and breccia.

eEPCvf — Andesitic - basaltic volcanic rocks; predominantly flows.

EARLY CRETACEOUS (TO EARLIEST LATE CRETACEOUS)

Spences Bridge Group

Pimanus Formation

eKSBP — Pimanus Formation undivided or admixed andesite, rhyolite flow, and tuff (units eKSBPa, r, and rt).

eKSBPr — Rhyolite flows. White to orange, finely banded, massive to brecciated flows up to tens of metres thick, may include areas of intensely welded ash flow.

eKSBPrt — Rhyolite lapilli tuff. Includes relatively minor welded ash flow. Sparse green and white lapilli in a plagioclase crystal-rich vitric ash matrix with scattered quartz eyes. Ignimbritic subunits in a few localities.

eKSBPa — Andesite breccia and lesser flows. Dark grey-green, medium- to fine-grained plagioclase ±pyroxene-phyric. Locally vesicular and may contain epiclastic interbeds.

eKSBc — Intraformational conglomerate, massive to well bedded, including maroon and green ash and lesser lapilli tuff and tuffite, including choloritized, flattened pummice lapilli. Detrital zircon age populations reflect the enclosing rocks (~103 Ma) and nearby basement (Mihalynuk et al., 2014).

eKSBcb — Basal conglomerate rests atop pre-Cretaceous lithologies from which it is predominantly derived. Includes a tuffaceous component of Pimanus Formation character.

LATE TRIASSIC TO EARLY JURASSIC NICOLA GROUP

Nicola Group

lTrNv — Undivided, where mapped predominantly feldspar porphyritic breccia and minor flows. Pyroxene ± hornblende may be present in subordinate abundances, heterolithic. Significant carbonate in matrix and as late veins.

lTrNhpx — Pyroxene and hornblende porphyry breccia. Coarse, euhedral mafic crystals are crowded within a tan to green-weathering matrix. An apparently undisturbed 40Ar-39Ar cooling age on hornblende of 182 ±1 Ma (Mihalynuk et al., 2014) suggests that at least some of this unit extends to late Early Jurassic.

lTrNhx — Hornblende porphyry breccia and flows. Coarse-grained, acicular ±trachytic, with subequal abundances of plagioclase. Interlayered with subaqueous deposits, overlying deposits may contain clasts of this unit.

lTrNc — Conglomerate. Very coarse, olistostromal, metres in diameter to granule-sized clasts, are locally derived from the Nicola arc. Commonly with calcareous volcanic sand and silt matrix. Monomict to polymictic, carbonate clasts are generally minor but conspicuous.

lTrNcl — Conglomerate as lTrNc, but with abundant, locally predominant, clasts of limestone. Near Mystery Lake also contains clasts of picrite.

lTrNl — Undivided limestone, typically massive, with poorly preserved fossils including bivalves, crinoids, encrusting corals, and rare belemnoids. Grey-, tan- or white-weathering, commonly with weak to strong S ±L tectonite fabric.

lTrNpx — Pyroxene poryhyry breccia and flows. Medium- to coarse-grained, euhedral pyroxene are commonly crowded within a grey-green felted to aphanitic/devitrified matrix (rarely ochre-coloured as near Miner Mtn.) Flows may be amygdaloidal. Plagioclase glomerocrysts are common, and may contain olivine, and rarely, analcime.

lTrNs — Undivided sedimentary rocks. Mainly volcanic siltstone and wacke and shale and subordinate beds of lTrNc. Tan to dark green or black. Shale may weather rusty.

lTrNt — Tuffite. Well-bedded to massive, predominantly reworked fine lapilli and lithic or crystal ash tuff subunit of lTrNs. May include air-fall pyroclastic units of similar character.

lTrNvtf — Felsic tuffite. White to dark green, well-bedded to massive and varying from sharpstone lapilli tuffite to waterlain ash tuff to felsic boulder conglomerate. Sparse interbeds of polymictic conglomerate. Commonly foliated and may be altered to quartz-sericite phyllite.

MIDDLE TRIASSIC

TrNvf — Rhyolite flow and tuff. Massive, pyritic, white to rusty flows, lapilli tuff and olistostromal epiclastic strata, includes sericite schist near Coalmont and north of the Axe deposit where a sample yielded 4 zircons that overlap the U-Pb isochron at 238.2 ±0.3 Ma. Strongly pyritic zones form gossans exceeding 2 metres thick.

INTRUSIVE ROCKS

Late Cretaceous

lKAg — Allison Creek stocks. Pink to dark grey, leucogranitic to dioritic stocks and dykes, many of which cut strata of the Spences Bridge Group. This is a legacy unit (Preto, 1979), future geochronology may show that most LKAg bodies are late Early Cretaceous in age, belonging to the "Mine dykes" and Summers Creek stocks suite.

Early Cretaceous

mKSBkhp — "Mine dykes". Cream, yellow-orange to pink, north-trending quartz-orthoclase-plagioclase-biotite ±hornblende porphyritic. Commonly pyritic and clay-altered. Probably feeders to coeval Spences Bridge Group, dated near Copper Mountain and in the map area: 102.9 ±0.3 Ma (Mihalynuk et al., 2009) and 103.9 ±0.1Ma*.

mKSgd — Summers Creek stocks. Probably the deeper level equivalent of MKSBkhp, displaying a similar compositional variability, although typically medium to coarse-grained with xenolith-rich zones. K-Ar cooling ages are coeval within error (99.1 ±4.2Ma Breitsprecher and Mortensen, 2005 after Preto, 1979).

Middle Jurassic

mJOg — Osprey Lake batholith. Uniform orthoclase megacrystic granite. White to pinkish-grey, with orthoclase up to 5 cm long in medium-grained matrix containing biotite > hornblende >> titanite and magnetite. U-Pb ages are: 166 ±1Ma (Parrish and Monger, 1991) and 162 ±2Ma* from a probable screen inside the Summers Creek pluton.

Early Jurassic

eJBgd — Bromley pluton. Medium- to coarse-grained, grey, hornblende-biotite granodiorite. A U-Pb age of 193 ±1 (Parrish and Monger, 1991) from east of the map area is consistent with a 193.6 ±0.2Ma* from affiliated pegmatite in the southeast map area.

eJd — Diorite. Composition varies to quartz monzodiorite. Dark grey, blocky, varitextured, may originate as dense dyke complex. Hornblende locally have cores of pyroxene. Altered with porphyry-style mineralization. 40Ar-39Ar cooling ages are 188 ±3Ma (Mihalynuk et al., 2014) and 162 ±3** from fine-grained secondary biotite.

eJfp — Feldspar porphyry. Medium-grained feldspar and lesser coarse hornblende, locally trachytic alignment in a tan to green-grey matrix. May be partly extrusive.

Early Jurassic - Late Triassic

TrJgd — Granodiorite. Composition ranges to quartz diorite. May display local zones of foliation, as does the Boulder intrusion near Tulameen.

Copper Mountain suite

lTrd — Diorite to lesser granodiorite. Commonly varitextured and tectonically disrupted. Includes bodies at Rum and Axe prospects displaying porphyry copper-style mineralization.

tourmaline — tourmaline alteration zone around the dioritic intrusion at the Rum prospect, including zone of tourmaline-cemented breccia.

Late Triassic

Allison Lake pluton

lTrAd — Quartz diorite phase. Distribution and K-Ar age of 204 ±10Ma after Preto (1979, age recalculated by Brietsprecher and Mortensen, 2004).

lTrAgd — Granodiorite. Grey, hornblende-phyric with distribution shown from Preto (1979).

lTrAg — Main granite phase. Red-orange to grey, locally miarolitic and/or graphic granite containing variably altered hornblende and biotite. A clast of this intrusion collected from the basal conglomerate of the Spences Bridge Gp. yielded a K-Ar cooling age of 207 ±7Ma (Preto, 1979, recalculated, Brietsprecher and Mortensen, 2004).

Tulameen Complex

lTrTu — Mafic-ultramafic complex and satellite bodies. Dunite to monzosyenite Alaskan-type intrusion is probable root to the Nicola arc. A U-Pb age of 210 ±5 was derived from syenodiorite (Rublee, 1994) west of the map area.

*unpublished reports by R. Friedman (2014), Pacific Centre for Isotopic and Geochemical Research, University of British Columbia
**unpublished reports by J. Gabites (2014), Pacific Centre for Isotopic and Geochemical Research, University of British Columbia

BC Geological Survey

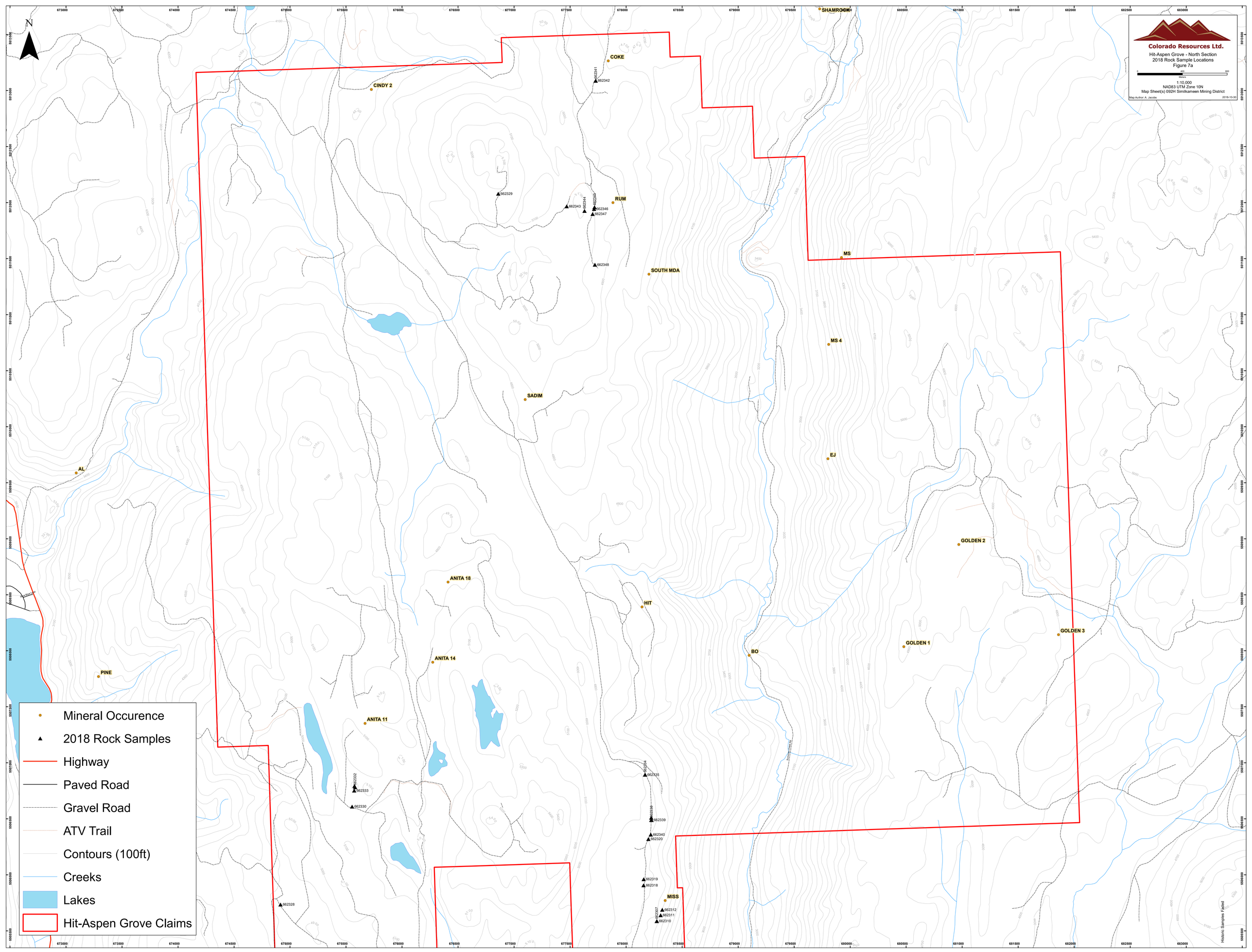
BCGS Open File 2014-5

Summers Creek Area Preliminary Geology

NTS 92H/9W & 10E
(and parts of adjacent sheets north and south)

Mitchell G. Mihalynuk, James M. Logan,
Larry J. Diakow, Martha A. Henderson,
Johannes Jacob and Andrew K.G. Watson

Figure 5b


Colorado Resources Ltd.
Hit-Aspen Grove - North Section
2018 Rock Sample Locations
Figure 7a
0 400 800
Meters
1:10,000
NAD83 UTM Zone 10N
Map Sheet(s) 092H Similkameen Mining District
Map Author: A. Jacobs
2018-10-30
N
SHAMROCK
COKE
CINDY 2
662341
662342
662329
662343
662344
662345
662346
662347
RUM
662348
SOUTH MDA
MS
MS 4
SADIM
EJ
AL
GOLDEN 2
ANITA 18
HIT
GOLDEN 3
GOLDEN 1
BO
PINE
ANITA 14
ANITA 11
662332
662333
662330
662328
662334
662335
662336
662339
662340
662320
662319
662318
MISS
662307
662312
662311
662310
Historic Samples Failed
Mineral Occurence
2018 Rock Samples
Highway
Paved Road
Gravel Road
ATV Trail
Contours (100ft)
Creeks
Lakes
Hit-Aspen Grove Claims

Colorado Resources Ltd.
Hit-Aspen Grove - South Section
2018 Rock Sample Locations
Figure 7b
0
400
800
Meters
1:10,000
NAD83 UTM Zone 10N
Map Sheet(s) 092H Similkameen Mining District
Map Author: A. Jacobs
2018-10-30
N
Mineral Occurence
2018 Rock Samples
Highway
Paved Road
Gravel Road
ATV Trail
Contours (100ft)
Creeks
Lakes
Hit-Aspen Grove Claims
PINE
ALLISON LAKE
ANITA 14
ANITA 11
BO
GOLDEN 1
MISS
APRIL
RABBIT
TUK
FAN
AXE (WEST ZONE)
AXE (ADIT ZONE)
AXE (SOUTH ZONE)
PIP
OK
ON 1
ON 2
BSM
RITA
DRY LAKE
LAIRD LAKE
Allison Lake
662332
662333
662330
662328
662327
662326
662325
662323
662324
662322
662321
662334
662335
662338
662339
662340
662320
662319
662318
662312
662307
662311
662310
662317
662315
662316
662313
662314
Summers Creek Rd
Historic Samples Faded

Colorado Resources Ltd.

Hit-Aspen Grove - South Section
2018 Rock Sample Gold Results
Figure 8b

0 400 800
Meters

1:10,000
NAD83 UTM Zone 10N
Map Sheet(s) 092H Similkameen Mining District

Map Author: A. Jacobs 2018-10-30

N

PINE
ANITA 14
ANITA 11
BO
GOLDEN 1
ALLISON LAKE
MISS
APRIL
FAN
AXE (WEST ZONE)
AXE (ADIT ZONE)
AXE (SOUTH ZONE)
PIP
OK
RABBIT
TUK
BSM
RITA
ON 1
ON 2
LAIRD LAKE

0.0025 0.0025
0.011
0.006
0.014
0.007
0.0025
0.132
0.0025
0.021
0.009
0.0025
0.074
0.7
0.008 0.011
0.011
0.011
0.009
0.007
0.006
0.008
0.037
0.01
0.027
0.03
0.005

Mineral Occurence
Highway
Paved Road
Gravel Road
ATV Trail
Contours (100ft)
Creeks
Lakes
Hit-Aspen Grove Claims

2018 Rock Samples (Au ppm)

< 0.01 (50th %tile)
0.01 - 0.07 (90th %tile)
0.07 - 0.13 (95th %tile)
> 0.13 (>95th %tile)

Historic Samples Faded

N

Colorado Resources Ltd.

Hit-Aspen Grove - North Section
2018 Rock Sample Gold Results
Figure 8a

0 400 800
Meters

1:10,000
NAD83 UTM Zone 10N
Map Sheet(s) 092H Similkameen Mining District

Map Author: A. Jacobs 2018-10-30

SHAMROCK
COKE
CINDY 2
RUM
SOUTH MDA
MS
MS 4
SADIM
EJ
AL
GOLDEN 2
ANITA 18
HIT
GOLDEN 3
GOLDEN 1
BO
ANITA 14
ANITA 11
MISS

0.041 0.012
0.008
0.02
0.131
0.025
0.203
0.027
0.045
0.011
0.006
0.014
0.007
0.0025 0.0025
0.0025 0.132
0.0025 0.021
0.009 0.0025
0.074
0.7
0.006 0.011

- Mineral Occurence
- Highway
- Paved Road
- Gravel Road
- ATV Trail
- Contours (100ft)
- Creeks
- Lakes
- Hit-Aspen Grove Claims

2018 Rock Samples (Au ppm)

- < 0.01 (50th %tile)
- 0.01 - 0.07 (90th %tile)
- 0.07 - 0.13 (95th %tile)
- > 0.13 (>95th %tile)

Historic Samples Faded

N

Colorado Resources Ltd.

Hit-Aspen Grove - North Section
2018 Rock Sample Copper Results
Figure 9a

0 400 800
Meters

1:10,000
NAD83 UTM Zone 10N
Map Sheet(s) 092H Similkameen Mining District

Map Author: A. Jacobs 2018-10-30

CINDY 2
COKE
SHAMROCK
RUM
SOUTH MDA
MS
MS 4
SADIM
EJ
AL
ANITA 18
HIT
GOLDEN 2
GOLDEN 3
GOLDEN 1
BO
ANITA 14
ANITA 11
MISS

827 188
74.8
79.8
1220
1020
3360
337
103
3.8 4.4
15.3 15.6 15.3
8.7
11.8
3.2
26.2
113
217
194 132
22.9 28
15
3.8
5.6

Mineral Occurence
Highway
Paved Road
Gravel Road
ATV Trail
Contours (100ft)
Creeks
Lakes
Hit-Aspen Grove Claims

2018 Rock Samples (Cu ppm)

< 18 (50th %tile)
18 - 337 (90th %tile)
337 - 1020 (95th %tile)
> 1020 (>95th %tile)

Historic Samples Faded

N

Colorado Resources Ltd.

Hit-Aspen Grove - South Section
2018 Rock Sample Copper Results
Figure 9b

0 400 800
Meters

1:10,000
NAD83 UTM Zone 10N
Map Sheet(s) 092H Similkameen Mining District

Map Author: A. Jacobs 2018-10-30

PINE
ANITA 14
ANITA 11
BO
GOLDEN 1
ALLISON LAKE
MISS
APRIL
FAN
LAIRD LAKE
AXE (WEST ZONE)
AXE (ADIT ZONE)
AXE (SOUTH ZONE)
ON 1
ON 2
PIP
OK
BSM
RABBIT
RITA
TUK

Allison Lake
Allison Lake
Twin Lake
Twin Lake

- Mineral Occurence
- Highway
- Paved Road
- Gravel Road
- ATV Trail
- Contours (100ft)
- Creeks
- Lakes
- Hit-Aspen Grove Claims

2018 Rock Samples (Cu ppm)

- < 18 (50th %tile)
- 18 - 337 (90th %tile)
- 337 - 1020 (95th %tile)
- > 1020 (>95th %tile)

Historic Samples Faded

Appendix II

2018 Rock Sample Descriptions

Sample #	Easting	Northing	Description
662307	678273	5505588	Unit ITrNvtf - QSP altered felsic tuff shear trend N32E, minor qtz stringers trace pyrite
662310	678274	5505589	Unit ITrNvtf - QSP altered felsic tuff shear trendN28E, minor qtz stringers trace pyrite
662311	678308	5505640	Unit ITrNvtf - QSP altered felsic tuff shear trend N32E, 10 cm qtz vein - 3% py, tr galena, chalcopyrite, sphalerite
662312	678323	5505689	Unit ITrNvtf - QSP altered felsic tuff shear trend N30E, minor qtz stringers trace pyrite
662313	677648	5504462	Unit ITrNv - chloritized Fe-Mn stained mafic volcanic, minor Fe-carbonate alteration, highly sheared, tr py
662314	677610	5504451	Unit ITrNv - chloritized Fe-Mn stained mafic volcanic, tr py
662315	677715	5504575	Unit ITrNv - chloritized Fe-Mn stained mafic volcanic, tr py
662316	677714	5504549	Unit ITrNv - chloritized Fe-Mn stained mafic volcanic, tr py
662317	677920	5505000	Unit ITrNvtf - creamy white QSP altered felsic tuff shear trend N10E, minor qtz stringers trace pyrite
662318	678156	5505907	Unit ITrNvtf - creamy white QSP altered felsic tuff shear trend N32E, minor qtz stringers trace pyrite
662319	678157	5505962	Unit ITrNvtf - creamy white QSP altered felsic tuff shear trend N28E, minor qtz stringers trace pyrite
662320	678199	5506321	Unit ITrNvtf - kaolin altered feldspars, felsic tuff shear trendN28E, minor qtz stringers trace pyrite
662321	676102	5500423	Unit ITrAg - grey biotite hornblende granite, tr py
662322	676080	5500633	Unit ITrAd - quartz diorite, tr py
662323	676190	5501497	Unit ITrAd - granodiorite, qtz-cb veinlets, tr py
662324	676323	5501508	Unit ITrAd - granodiorite, qtz-cb veinlets, tr py
662325	676111	5502803	Unit eKSBPa - Polylithic andesite breccia near Fan showing, tr py
662326	676104	5504003	Unit ITrNpx - altered volcanic flow, appears to be roof pendant in granodiorite
662327	676046	5504720	Unit ITrNpx - altered mafic volcanic flow, tr py
662328	674914	5505736	Unit ITrAg - K,-hematite hornblende granite, tr py
662329	676859	5512080	Unit ITrNv - chloritized Fe-Mn stained mafic volcanic, tr py
662330	675554	5506610	Unit ITrNv - chloritized Fe-Mn stained mafic volcanic, tr py
662331	675575	5506793	Unit ITrNv - chloritized Fe-Mn stained mafic volcanic, tr py
662332	675580	5506782	Unit ITrNv - chloritized Fe-Mn stained mafic volcanic, tr py
662333	675573	5506753	Unit ITrNv - chloritized Fe-Mn stained mafic volcanic, tr py
662334	678169	5506896	Unit ITrNvtf -brecciated felsic tuff, resorbed pyroxene, shear trendN10E, qtz-carbonate altered, 5-7% pyrite
662335	678169	5506894	Unit ITrNvtf -brecciated felsic tuff, resorbed pyroxene, shear trendN10E, qtz-carbonate altered, 5% pyrite
662336	678224	5506511	Unit ITrNpx - Narrow (<2m) pyroxene porphyryflow, pyroxene resorbed, sericite alt, 1% disseminated pyrite
662337	678227	5506490	Unit ITrNpx - brecciated felsic porphyry flow, pyroxene resorbed, sericite alt, 5% disseminated pyrite
662338	678226	5506492	Unit ITrNpx - brecciated felsic tuff, pyroxene resorbed, sericite alt, 3% disseminated pyrite
662339	678226	5506491	Unit ITrNpx - Narrow (<2m) pyroxene porphyryflow, pyroxene resorbed, sericite alt, 4% disseminated pyrite
662340	678220	5506360	Unit ITrNvtf -brecciated felsic tuff, resorbed pyroxene, shear trendN10E, qtz-carbonate altered, 5% pyrite
662341	677728	5513088	Unit ITrNhpx -fractures clay altered, hornblende microdiorite malachite stained, 15% disseminated pyrite
662342	677728	5513090	Unit ITrNhpx -fractures clay altered, hornblende microdiorite, 5% disseminated pyrite
662343	677469	5511967	Unit ITrd -fractures clay altered, hornblende microdiorite malachite stained, 3% disseminated pyrite
662344	677629	5511927	Unit ITrd -fractures clay altered, hornblende microdiorite malachite stained, 1% disseminated pyrite
662345	677718	5511960	Unit ITrd -fractures clay altered, hornblende microdiorite malachite stained, 1% disseminated pyrite
662346	677714	5511945	Unit ITrd -fractures clay altered, hornblende microdiorite malachite stained, 2% pyrite, tr chalcopyrite
662347	677701	5511900	Unit ITrd -fractures clay altered, K-altered microdiorite, tr malachite stained, 2% disseminated pyrite
662348	677721	5511447	Unit ITrd -fractures clay altered,kaolin-altered microdiorite, tr malachite stained, 5-10% disseminated pyrite

Sample #	Easting	Northing	Date	Certificate	Au_GRA_ppm	Au_FA_ppm	Ag_MS_ppm	Al_MS_pct	As_MS_ppm	B_MS_ppm	Ba_MS_ppm	Be_MS_ppm	Bi_MS_ppm	Ca_MS_pct	Cd_MS_ppm	Ce_MS_ppm	Co_MS_ppm	Cr_MS_ppm	Cs_MS_ppm
662307	678273	5505588	2018-06-04	A18-08146		0.008	1.51	3.18	7.7	0.5	7.6	0.2	0.01	0.05	0.08	5.89	29.4	30	0.1
662310	678274	5505589	2018-06-04	A18-08146		0.011	0.52	4.46	6.1	0.5	64	0.3	0.02	0.17	0.09	8.28	15.9	31	0.06
662311	678308	5505640	2018-06-04	A18-08146	6.7	6.53	10.4	0.09	20.8	2	196	0.05	0.17	0.2	14.4	2.19	0.6	18	0.01
662312	678323	5505689	2018-06-04	A18-08146		0.074	3.11	2.23	47.9	1	52.7	0.2	0.06	0.15	2.38	10.3	22	59	0.12
662313	677648	5504462	2018-06-04	A18-08146		0.007	0.34	1.45	1	1	15.2	0.05	0.06	1.23	0.09	8.92	3.7	5	0.07
662314	677610	5504451	2018-06-04	A18-08146		0.006	0.08	1.02	2.2	3	96.6	0.3	0.02	9.84	0.45	21.5	9.6	8	0.27
662315	677715	5504575	2018-06-04	A18-08146		0.009	0.12	1.34	1.6	0.5	32.7	0.1	0.25	0.08	0.03	3.53	1.7	4	0.2
662316	677714	5504549	2018-06-04	A18-08146		0.0025	0.05	2.26	0.8	0.5	20	0.2	0.04	0.14	0.05	12.1	11.4	14	0.24
662317	677920	5505000	2018-06-04	A18-08146		0.011	0.05	1.03	3.6	0.5	71	0.1	0.89	0.01	0.01	10	0.3	2	0.13
662318	678156	5505907	2018-06-04	A18-08146		0.0025	0.13	1.09	3.3	0.5	37	0.1	0.5	0.03	0.01	12.6	1.1	8	0.3
662319	678157	5505962	2018-06-04	A18-08146		0.009	0.13	1.29	1.4	0.5	370	0.2	1.04	0.03	0.01	16.6	0.3	0.5	0.09
662320	678199	5506321	2018-06-04	A18-08146		0.021	0.07	1.37	1.2	1	138	0.1	0.1	0.04	0.01	8.72	0.5	7	0.09
662321	676102	5500423	2018-06-04	A18-08146		0.005	0.06	1.43	1.9	2	23.6	0.2	0.12	0.18	0.01	8.64	14.4	5	0.35
662322	676080	5500633	2018-06-04	A18-08146		0.03	0.18	2.05	7.5	1	39.9	0.2	0.14	0.15	0.08	8.55	1.8	11	0.15
662323	676190	5501497	2018-06-05	A18-08146		0.01	0.1	4.96	3.8	11	95.4	0.4	0.01	3.5	0.04	12.4	29.8	40	1.04
662324	676323	5501508	2018-06-05	A18-08146		0.027	0.06	2.66	1.6	6	175	0.3	0.04	4.26	0.06	20.9	23.1	41	0.53
662325	676111	5502803	2018-06-05	A18-08146		0.037	0.06	1.82	1.9	1	95.8	0.4	0.03	11.3	0.04	18	8.8	8	0.26
662326	676104	5504003	2018-06-05	A18-08146		0.008	0.03	1.23	0.9	2	141	0.3	0.03	0.77	0.04	19.6	2.5	4	0.29
662327	676046	5504720	2018-06-05	A18-08146		0.011	0.12	1.6	0.5	2	132	0.3	0.04	3.72	0.61	17.2	5.1	3	0.51
662328	674914	5505736	2018-06-05	A18-08146		0.007	0.11	0.95	1.3	2	161	0.3	0.02	0.15	0.01	53.6	3.8	8	0.09
662329	676859	5512080	2018-07-07	A18-08146		0.008	0.06	0.34	1.7	3	1250	0.05	0.01	14.1	0.23	4.28	33.5	7	0.38
662330	675554	5506610	2018-07-07	A18-08146		0.014	0.36	1.27	1.9	0.5	99.3	0.1	0.04	0.1	0.02	10.5	0.7	3	0.11
662331	675575	5506793	2018-07-07	A18-08146		0.006	0.1	2.74	0.9	5	341	0.8	0.01	2.36	0.12	34.2	21	3	0.24
662332	675580	5506782	2018-07-07	A18-08146		0.011	0.06	2.21	1.4	5	44.5	0.6	0.01	2.71	0.1	25	13.8	17	0.22
662333	675573	5506753	2018-07-07	A18-08146		0.006	0.08	1.73	0.9	3	81.3	0.5	0.01	1.6	0.06	24.6	12.1	32	0.16
662334	678169	5506896	2018-07-08	A18-09521		0.0025	0.076	1.02	2.8	0.5	8.9	0.05	0.63	0.03	0.03	9.6	2.7	5	0.3
662335	678169	5506894	2018-07-08	A18-09521		0.0025	0.073	0.56	2.4	0.5	11.8	0.05	0.77	0.005	0.04	12.5	1.9	4	0.3
662336	678224	5506511	2018-07-08	A18-09521		0.132	0.095	2.18	3.1	0.5	6.6	0.1	1.06	0.03	0.005	15.1	7.1	8	0.35
662337	678227	5506490	2018-07-08	A18-09521		0.0025	0.073	2.02	2.4	0.5	13.4	0.1	0.94	0.1	0.03	5.44	4.7	18	0.12
662338	678226	5506492	2018-07-08	A18-09524		0.0025	0.086	1.64	2.1	0.5	61.6	0.2	0.33	0.04	0.05	14.1	1.7	5	0.18
662339	678226	5506491	2018-07-08	A18-09524		0.0025	0.082	1.12	3	0.5	9.2	0.1	1.23	0.005	0.05	24.6	3.9	3	0.36
662340	678220	5506360	2018-07-09	A18-09524		0.0025	0.089	1.49	1.6	0.5	36.8	0.1	0.35	0.03	0.03	16.4	2.1	6	0.2
662341	677728	5513088	2018-07-09	A18-09524		0.041	0.578	2.27	49.9	0.5	16.7	0.3	0.2	1.68	3.92	11.5	13	10	0.15
662342	677728	5513090	2018-07-09	A18-09524		0.012	0.208	2.51	14.5	2	10.7	0.6	0.26	1.69	0.41	11.6	11.7	7	0.13
662343	677469	5511967	2018-07-09	A18-09524		0.02	0.207	2.44	40.3	0.5	12	0.3	0.23	1.29	0.1	13	28.8	15	0.34
662344	677629	5511927	2018-07-15	A18-09524		0.131	0.764	0.64	5.3	0.5	453	0.2	0.2	5.48	0.5	13	11.3	4	0.22
662345	677718	5511960	2018-07-15	A18-09524		0.042	0.669	2.12	9.9	0.5	192	0.5	0.11	3.78	0.25	17.5	13.5	10	0.59
662346	677714	5511945	2018-07-15	A18-09524		0.203	2.28	1.73	1.1	0.5	213	0.3	0.27	4.2	0.1	14.8	14	12	0.29
662347	677701	5511900	2018-07-16	A18-09524		0.027	0.233	1.68	2.5	0.5	517	0.3	0.05	3.6	0.16	11.6	16	10	0.27
662348	677721	5511447	2018-07-16	A18-09524		0.045	0.089	2.16	6.5	2	24.3	0.5	0.1	1.73	0.06	11.6	11.9	15	0.08

Sample #	Dy_MS_ppm	Er_MS_ppm	Eu_MS_ppm	Fe_MS_pct	Ga_MS_ppm	Gd_MS_ppm	Ge_MS_ppm	Hf_MS_ppm	Hg_MS_ppm	Ho_MS_ppm	In_MS_ppm	K_MS_pct	L_MS_ppm	Li_MS_ppm	Lu_MS_ppm	Mg_MS_pct	Mn_MS_ppm	Mo_MS_ppm
662307	0.3	0.1	0.3	6.19	11.1	0.8	0.05	0.05	70	0.05	0.03	0.04	2.4	15.4	0.05	3.16	2770	4.21
662310	0.4	0.2	0.4	6.62	13.9	1	0.05	0.05	50	0.05	0.03	0.03	4	24.1	0.05	4.19	4240	2.94
662311	0.1	0.05	0.1	0.97	0.46	0.2	0.05	0.05	580	0.05	0.02	0.03	1.1	0.3	0.05	0.09	1060	9.32
662312	0.8	0.3	0.5	4.19	5.08	1.4	0.05	0.05	50	0.1	0.02	0.24	4.2	12.9	0.05	1.89	5770	2.35
662313	1.1	0.5	0.6	3.15	7.4	1.8	0.05	0.05	40	0.2	0.07	0.04	3.3	7	0.05	1.02	1810	0.93
662314	2.3	1.1	0.9	3.34	2.61	3.2	0.05	0.05	20	0.4	0.04	0.29	10.2	2.2	0.1	0.31	1240	0.28
662315	0.4	0.2	0.2	2.25	4.21	0.6	0.05	0.05	30	0.05	0.05	0.1	1.3	4.4	0.05	0.8	236	0.75
662316	1	0.5	0.6	3.92	9.84	1.7	0.05	0.05	30	0.2	0.07	0.05	4.5	11.4	0.05	1.79	951	0.88
662317	0.4	0.2	0.3	1.66	2.2	0.8	0.05	0.05	10	0.05	0.03	0.43	4.4	0.3	0.05	0.04	16	2.72
662318	0.9	0.5	0.4	1.56	2.61	1.3	0.05	0.2	5	0.2	0.06	0.27	5	2.2	0.05	0.36	77	2.15
662319	0.4	0.2	0.3	1.08	3.42	0.9	0.05	0.05	5	0.05	0.08	0.29	7.1	4.1	0.05	0.59	114	3.09
662320	0.4	0.2	0.3	1.41	3.95	0.9	0.05	0.05	10	0.05	0.03	0.24	3.3	3	0.05	0.72	419	0.95
662321	1.2	0.5	0.5	3.4	5.28	1.9	0.05	0.05	30	0.2	0.01	0.34	3.1	3.2	0.05	0.66	128	2.78
662322	1	0.4	0.6	3.75	8.71	1.7	0.05	0.05	140	0.2	0.03	0.23	3.3	3.8	0.05	1.3	702	9.35
662323	1.7	1	0.5	6.84	11.4	1.9	0.1	0.1	20	0.3	0.02	0.15	5.7	5.3	0.1	2.04	853	0.41
662324	3.1	1.8	0.8	5.4	7.78	3.5	0.05	0.05	10	0.6	0.03	0.21	9.3	6.4	0.2	1.88	1270	1.35
662325	2.6	1.4	0.8	2.8	3.49	3.1	0.05	0.05	5	0.5	0.03	0.26	8.4	7.2	0.2	0.78	1250	1.26
662326	1.2	0.5	0.6	1.25	2.42	2.3	0.05	0.05	5	0.2	0.02	0.48	8.6	1.6	0.05	0.46	598	0.33
662327	2.4	1.1	0.9	2.83	3.4	3.4	0.05	0.05	10	0.4	0.04	0.47	6.9	2.3	0.1	1.97	1410	0.49
662328	3.3	2	0.6	2.46	4.75	3.6	0.05	0.05	5	0.6	0.03	0.23	16	1.9	0.3	0.39	362	1.66
662329	1.5	0.7	0.6	6.59	0.01	1.8	0.05	0.05	30	0.2	0.01	0.14	2	1.1	0.05	4.74	2700	0.95
662330	1.5	0.8	0.5	1.05	3.08	1.8	0.05	0.05	5	0.3	0.01	0.21	4.6	2.4	0.1	0.42	71	2.52
662331	7.6	4.2	1.5	7.57	9.76	8.1	0.2	0.05	10	1.4	0.07	0.04	13.4	13.1	0.5	1.52	1530	0.97
662332	5.4	2.8	1.2	4.92	10.9	6	0.2	0.05	10	0.9	0.04	0.06	9.7	6.3	0.3	0.92	892	3.06
662333	4.8	2.4	1.1	4.7	7.72	5.5	0.2	0.05	10	0.8	0.04	0.06	9.4	8.1	0.2	1.03	963	3.38
662334	0.3	0.2	0.2	3.01	3.37	0.7	0.05	0.05	5	0.05	0.08	0.23	4	2.7	0.05	0.58	280	4.6
662335	0.3	0.1	0.2	3.35	2.82	0.7	0.05	0.05	5	0.05	0.09	0.24	5.3	0.5	0.05	0.1	52	5.32
662336	0.5	0.2	0.4	4.12	5.89	1.1	0.05	0.05	20	0.05	0.13	0.28	6.1	7.7	0.05	1.72	784	4.02
662337	0.3	0.2	0.2	3.28	5.68	0.6	0.05	0.05	30	0.05	0.14	0.17	2	6.4	0.05	1.67	848	3.85
662338	0.5	0.2	0.4	2.26	5.07	1.1	0.05	0.05	5	0.05	0.12	0.15	6	5.9	0.05	1.21	712	1.51
662339	0.6	0.3	0.5	3.24	4.86	1.5	0.05	0.05	30	0.05	0.12	0.33	10.6	2.5	0.05	0.56	327	3.96
662340	0.4	0.2	0.4	2.08	4.58	1.1	0.05	0.05	10	0.05	0.09	0.16	7.3	5.1	0.05	0.99	572	1.57
662341	1.9	1.1	0.6	4.99	7.35	1.9	0.1	0.05	140	0.4	0.07	0.07	4.9	10	0.1	1.76	890	1.44
662342	2	1.2	0.6	5.19	8.57	1.9	0.05	0.2	10	0.4	0.01	0.08	4.6	10.9	0.1	1.7	348	1.14
662343	2.4	1.2	0.7	6.25	8.41	2.4	0.05	0.05	70	0.4	0.02	0.24	6.1	14.5	0.1	2.55	355	0.89
662344	1.4	0.8	0.5	3.2	1.82	1.7	0.05	0.05	90	0.2	0.11	0.24	5.9	2	0.1	0.36	1890	1.22
662345	1.4	0.8	0.6	4.99	9.22	2	0.05	0.05	30	0.3	0.25	0.29	7.8	19.1	0.1	1.51	1420	1.18
662346	1.2	0.7	0.6	3.64	9.27	1.5	0.05	0.05	30	0.2	0.64	0.09	6.6	20.6	0.1	1.82	1590	12.7
662347	1.8	1.1	0.5	3.81	6.37	2	0.05	0.05	20	0.3	0.06	0.18	4.9	11.1	0.1	1.74	961	0.69
662348	1.6	1	0.4	2.78	6.78	1.6	0.05	0.1	20	0.3	0.03	0.04	4.9	9.3	0.1	1.5	268	0.17

Sample #	Na_MS_pct	Nb_MS_ppm	Nd_MS_ppm	Ni_MS_ppm	P_MS_pct	Pr_MS_ppm	Rb_MS_ppm	Re_MS_ppm	S_MS_pct	Sb_MS_ppm	Sc_MS_ppm	Se_MS_ppm	Sm_MS_ppm	Sn_MS_ppm	Sr_MS_ppm	Ta_MS_ppm	Tb_MS_ppm	Te_MS_ppm
662307	0.07	0.05	3.98	17.9	0.06	0.8	0.9	0.04	2	0.23	12.3	1.4	1	0.19	13.6	0.025	0.05	0.78
662310	0.06	0.05	4.9	13.8	0.1	1	0.3	0.03	0.5	0.16	17	5.2	1.3	0.28	17.7	0.025	0.1	0.26
662311	0.02	0.05	1.14	2.6	0.0005	0.3	0.6	0.0005	0.5	8.42	0.4	0.4	0.3	0.025	11.3	0.025	0.05	0.24
662312	0.06	0.05	6.05	30.1	0.07	1.3	4.7	0.0005	0.5	1.88	7.4	0.3	1.5	0.05	14	0.025	0.2	0.24
662313	0.13	0.05	7.54	1.1	0.04	1.4	0.8	0.0005	0.5	0.17	8.8	0.5	2.3	0.09	13.6	0.025	0.2	0.17
662314	0.07	0.05	12.1	8.5	0.09	2.7	6.6	0.0005	0.5	2.4	7.1	0.5	3	0.11	224	0.025	0.4	0.01
662315	0.14	0.05	3.07	1.3	0.05	0.6	2	0.0005	0.5	0.24	6.3	0.3	0.9	0.025	6.6	0.025	0.05	0.2
662316	0.11	0.05	9.53	4.4	0.06	1.8	1	0.0005	0.5	0.2	14.5	0.3	2.6	0.13	5.7	0.025	0.2	0.01
662317	0.08	0.05	6.23	0.6	0.01	1.3	5.8	0.0005	0.5	0.23	1.4	0.6	1.4	0.08	8	0.025	0.05	0.78
662318	0.08	0.05	7.61	3	0.02	1.7	4.3	0.0005	0.5	0.16	2	0.6	1.8	0.05	7.9	0.025	0.2	0.61
662319	0.05	0.05	9.56	0.6	0.01	2.1	4.8	0.0005	0.5	0.16	1.4	0.4	2	0.08	11.7	0.025	0.05	0.69
662320	0.09	0.05	6.43	0.8	0.02	1.3	3.4	0.0005	0.5	0.11	2.4	0.5	1.6	0.025	8.6	0.025	0.05	0.08
662321	0.08	0.05	6.72	1.1	0.11	1.3	5.7	0.0005	1	0.1	6	0.9	2	0.12	5.8	0.025	0.2	0.93
662322	0.08	0.05	6.45	0.9	0.1	1.2	4.1	0.0005	0.5	0.3	10	0.4	1.9	0.16	8.6	0.025	0.2	0.64
662323	0.74	0.05	6.84	16.4	0.1	1.5	3.3	0.0005	0.5	0.09	12.7	0.6	1.6	0.22	72.5	0.025	0.3	0.01
662324	0.14	0.05	12.4	18.4	0.16	2.7	4.8	0.0005	0.5	0.1	13.9	0.6	3.1	0.27	91.7	0.025	0.5	0.04
662325	0.07	0.05	10.1	8.4	0.16	2.3	5.1	0.01	0.5	0.07	7.6	0.7	2.7	0.08	108	0.025	0.4	0.05
662326	0.04	0.05	11.2	1.3	0.02	2.5	5.7	0.0005	0.5	0.14	3.1	0.4	2.6	0.14	9.4	0.025	0.3	0.01
662327	0.05	0.05	11.6	2	0.06	2.3	5	0.0005	0.5	0.1	8.4	0.3	3.2	0.19	63.6	0.025	0.4	0.01
662328	0.11	0.05	15.9	2.3	0.06	4	5.8	0.0005	0.5	0.04	5.1	0.7	3.5	0.34	6.9	0.025	0.5	0.02
662329	0.02	0.05	2.79	12.3	0.02	0.6	2.9	0.0005	0.5	0.47	4	0.6	1.2	0.025	596	0.025	0.3	0.01
662330	0.06	0.05	7.28	1.4	0.05	1.5	2.8	0.0005	0.5	0.05	3	1.1	1.9	0.025	7	0.025	0.3	0.58
662331	0.1	0.05	23.5	1.7	0.08	4.8	1.6	0.0005	0.5	0.09	21.1	1.4	6.7	1.14	50.4	0.025	1.3	0.01
662332	0.07	0.2	17.2	2.1	0.13	3.5	2.1	0.0005	0.5	0.07	13.8	1.1	4.8	0.77	24.4	0.025	0.9	0.01
662333	0.07	0.1	16.8	1.8	0.1	3.4	1.7	0.0005	0.5	0.11	12.5	1	4.8	0.63	23.7	0.025	0.8	0.01
662334	0.032	0.05	5.86	0.9	0.016	1.3	3.4	0.001	2	0.01	1.3	0.5	1.2	0.025	2.3	0.025	0.05	0.57
662335	0.026	0.05	7.27	0.5	0.012	1.8	3.4	0.002	2	0.01	0.1	0.5	1.5	0.025	1.6	0.025	0.05	0.59
662336	0.034	0.05	9.61	4.5	0.035	2.2	4	0.003	2	0.05	2.8	0.7	2.1	0.2	1.8	0.025	0.1	1.27
662337	0.065	0.05	3.77	8.8	0.045	0.8	2.5	0.001	1	0.01	4.7	0.05	0.9	0.14	7.9	0.025	0.05	0.69
662338	0.066	0.05	8.91	1.2	0.041	2	2.3	0.002	0.5	0.11	2.6	0.05	2	0.13	5.1	0.025	0.1	0.54
662339	0.031	0.05	14.4	0.8	0.013	3.4	4.5	0.002	2	0.04	1.2	1	2.9	0.19	2	0.025	0.1	1.68
662340	0.063	0.05	9.64	1.4	0.033	2.2	2.4	0.002	0.5	0.01	2.2	0.05	2	0.14	2.1	0.025	0.05	0.48
662341	0.055	0.05	7.18	7.3	0.186	1.6	1.6	0.01	1	1.17	8.5	2.2	1.8	1.2	92.5	0.025	0.3	0.14
662342	0.062	0.05	7.39	6.1	0.168	1.7	1.8	0.006	3	0.39	10.1	1.6	1.8	1.08	63.2	0.025	0.3	0.21
662343	0.08	0.05	8.46	12.8	0.179	1.8	5.7	0.008	3	0.42	11.1	2.8	2.2	0.28	28.2	0.025	0.4	0.51
662344	0.069	0.05	7.83	6.4	0.118	1.8	4.8	0.001	0.5	0.24	6.1	0.2	1.9	0.025	80	0.025	0.2	0.03
662345	0.056	0.05	10	7.9	0.26	2.3	7.2	0.001	0.5	0.58	8.6	0.05	2.2	0.26	133	0.025	0.3	0.01
662346	0.087	0.05	8.21	10.4	0.008	2	2.1	0.001	0.5	0.07	12.6	2.3	1.8	0.22	76.8	0.025	0.2	0.01
662347	0.08	0.05	7.72	8.2	0.13	1.7	3.6	0.0005	0.5	0.23	9.7	0.05	1.9	0.26	124	0.025	0.3	0.01
662348	0.07	0.05	6.62	10.8	0.139	1.5	0.7	0.0005	0.5	0.43	5.2	0.9	1.5	0.36	75.9	0.025	0.3	0.27

Sample #	Th_MS_ppm	Ti_MS_pct	Tl_MS_ppm	Tm_MS_ppm	U_MS_ppm	V_MS_ppm	W_MS_ppm	Y_MS_ppm	Yb_MS_ppm	Zn_MS_ppm	Zr_MS_ppm	Au_MS_ppb	Pb_ICP_pct	Pb_MS_ppm	Cu_MS_ppm
662307	0.2	0.01	0.01	0.05	0.05	209	0.05	1.47	0.1	275	1.5	5.8		95.1	194
662310	0.2	0.01	0.01	0.05	0.05	279	0.05	1.53	0.2	423	1.3	1		153	132
662311	0.05	0.0005	0.04	0.05	0.05	3	0.05	0.71	0.05	3010	0.05	9960	0.668	5001	217
662312	0.05	0.01	0.1	0.05	0.05	80	0.05	3.32	0.3	295	0.5	34		289	113
662313	0.1	0.0005	0.01	0.05	0.05	3	0.05	5.26	0.5	114	1.6	2.9		11.3	30.4
662314	0.9	0.02	0.02	0.1	0.4	52	0.05	12.2	0.9	49.7	1.8	0.8		8.3	2.7
662315	0.1	0.0005	0.01	0.05	0.1	9	0.05	2.3	0.2	46	0.3	0.25		3.9	5.3
662316	0.3	0.01	0.01	0.05	0.1	55	0.05	4.51	0.5	140	0.3	0.25		1.6	4.2
662317	0.4	0.0005	0.03	0.05	0.05	5	0.05	1.89	0.2	3.6	1.5	0.25		5.4	9.5
662318	0.6	0.0005	0.03	0.05	0.3	2	0.05	4.59	0.6	34.6	9	0.25		2.5	26.2
662319	0.5	0.0005	0.03	0.05	0.05	4	0.05	1.67	0.1	26.2	1.5	0.25		2.3	3.2
662320	0.2	0.0005	0.01	0.05	0.05	6	0.05	1.85	0.2	53.7	1.2	0.25		1.5	11.8
662321	0.3	0.0005	0.01	0.05	0.1	13	0.05	4.81	0.4	14.9	3.1	0.25		3.3	20.5
662322	0.3	0.01	0.08	0.05	0.1	17	0.05	3.77	0.4	63.6	2.8	21.6		9.8	3.9
662323	1.4	0.29	0.01	0.1	0.2	296	0.05	9.23	0.9	38.9	2.7	0.25		3.3	64.4
662324	2	0.1	0.01	0.2	0.5	177	0.05	17.3	1.6	76.7	2.3	1		6.9	64.9
662325	1.1	0.0005	0.02	0.2	3.5	31	0.05	14.4	1.4	36.3	0.1	0.25		2.4	15.8
662326	0.6	0.0005	0.02	0.05	0.2	13	0.05	5.76	0.4	38.7	2.3	0.25		5	5.1
662327	0.4	0.0005	0.02	0.1	0.2	34	0.05	11.3	0.9	87.3	1.2	0.25		6.2	3.1
662328	7.5	0.01	0.01	0.3	1.3	28	0.05	18.2	2.1	15.3	3.3	0.25		2.3	5.6
662329	0.2	0.0005	0.01	0.05	0.05	74	0.05	7.65	0.5	97.9	0.3	0.25		5	74.8
662330	0.5	0.0005	0.01	0.1	0.2	3	0.05	6.8	0.8	18.3	0.5	6.8		6.4	3.8
662331	1.6	0.31	0.01	0.6	1	71	0.05	39	3.7	122	4.4	0.25		5	28
662332	1.1	0.31	0.01	0.4	0.6	51	0.05	26.8	2.3	93.1	1.3	0.25		3.3	22.9
662333	0.9	0.28	0.01	0.3	0.6	37	0.05	23	1.7	83.3	0.5	0.25		3.7	15
662334	0.4	0.001	0.01	0.05	0.05	10	0.05	1.26	0.1	44.3	1.7	0.25		0.6	3.8
662335	0.4	0.0005	0.01	0.05	0.05	5	0.05	1.16	0.1	11.2	1.6	1.3		0.9	4.4
662336	0.3	0.001	0.01	0.05	0.1	18	0.05	2.02	0.2	104	1.7	0.25		0.9	3.6
662337	0.3	0.002	0.01	0.05	0.05	34	0.05	1.53	0.2	140	1.1	0.25		1.2	5.3
662338	0.3	0.001	0.01	0.05	0.05	15	0.05	1.99	0.2	165	0.8	0.25		0.5	18.7
662339	0.4	0.001	0.01	0.05	0.1	9	0.05	2.6	0.2	44.2	1.4	0.25		0.7	15.3
662340	0.4	0.001	0.01	0.05	0.05	13	0.05	1.47	0.2	115	0.7	0.25		1.5	8.7
662341	0.8	0.23	0.01	0.2	0.3	149	0.2	10.2	1	503	1.6	3.9		11.3	827
662342	0.7	0.296	0.01	0.2	0.3	164	0.2	10.3	1	69.7	5.7	1.4		2.4	188
662343	0.5	0.225	0.01	0.2	0.1	160	0.1	11.9	1	12.9	2.8	3.4		2.9	79.8
662344	1.2	0.003	0.01	0.1	0.2	36	0.05	7.72	0.8	149	0.6	0.25		5.6	1220
662345	1.2	0.008	0.03	0.1	0.2	94	0.05	7.09	0.7	131	0.2	0.7		5.9	1020
662346	1	0.003	0.01	0.05	0.1	56	0.05	6.02	0.8	179	1.3	4.3		4.8	3360
662347	1.1	0.029	0.01	0.2	0.1	121	0.05	9.52	1	43.9	0.1	2.1		3.3	337
662348	0.8	0.226	0.01	0.1	0.4	110	0.1	9.05	0.9	23.3	3	0.6		1.6	103

Appendix III

Analytical Certificates

Quality Analysis ... *Innovative Technologies*

Date Submitted: 25-Jun-18
Invoice No.: A18-08146
Invoice Date: 09-Aug-18
Your Reference: Hit Project

Colorado Resources
#105-3500 Carrington Road
West Kelowna BC V1W 1C2
Canada

ATTN: Allan Jacobs (Cert)

CERTIFICATE OF ANALYSIS

25 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Kamloops (10g/m t) Au - Fire Assay AA

Code Sieve Report-Kamloops Internal Sieve Report Internal

Code UT-1-Kamloops Aqua Regia ICP/MS

REPORT **A18-08146**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is only semi-quantitative. For accurate Au data, fire assay is recommended.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
9989 Dallas Drive, Kamloops, British Columbia, Canada, V2C 6T4
TELEPHONE +250 573-4484 or +1.888.228.5227 FAX +1.905.648.9613

Analyte Symbol	Au	Ti	S	P	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga
Unit Symbol	g/mt	%	%	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.005	0.001	1	0.001	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.2	0.1	0.02
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
662307	0.008	0.010	2	0.060	15.4	0.2	< 1	0.070	3.16	3.18	0.04	< 0.02	0.05	12.3	209	30	2770	6.19	29.4	17.9	194	275	11.1
662310	0.011	0.010	< 1	0.100	24.1	0.3	< 1	0.060	4.19	4.46	0.03	0.02	0.17	17.0	279	31	4240	6.62	15.9	13.8	132	423	13.9
662311	6.53	< 0.001	< 1	< 0.001	0.3	< 0.1	2	0.020	0.09	0.09	0.03	0.17	0.20	0.4	3	18	1060	0.97	0.6	2.6	217	3010	0.46
662312	0.074	0.010	< 1	0.070	12.9	0.2	1	0.060	1.89	2.23	0.24	0.06	0.15	7.4	80	59	5770	4.19	22.0	30.1	113	295	5.08
662313	0.007	< 0.001	< 1	0.040	7.0	< 0.1	1	0.130	1.02	1.45	0.04	0.06	1.23	8.8	3	5	1810	3.15	3.7	1.1	30.4	114	7.40
662314	0.006	0.020	< 1	0.090	2.2	0.3	3	0.070	0.31	1.02	0.29	0.02	9.84	7.1	52	8	1240	3.34	9.6	8.5	2.7	49.7	2.61
662315	0.009	< 0.001	< 1	0.050	4.4	0.1	< 1	0.140	0.80	1.34	0.10	0.25	0.08	6.3	9	4	236	2.25	1.7	1.3	5.3	46.0	4.21
662316	< 0.005	0.010	< 1	0.060	11.4	0.2	< 1	0.110	1.79	2.26	0.05	0.04	0.14	14.5	55	14	951	3.92	11.4	4.4	4.2	140	9.84
662317	0.011	< 0.001	< 1	0.010	0.3	0.1	< 1	0.080	0.04	1.03	0.43	0.89	0.01	1.4	5	2	16	1.66	0.3	0.6	9.5	3.6	2.20
662318	< 0.005	< 0.001	< 1	0.020	2.1	0.1	< 1	0.080	0.36	1.07	0.27	0.48	0.03	2.0	2	5	77	1.57	1.1	1.8	26.0	35.3	2.69
662319	< 0.005	< 0.001	< 1	0.010	4.1	0.2	< 1	0.050	0.59	1.29	0.29	1.04	0.03	1.4	4	< 1	114	1.08	0.3	0.6	3.2	26.2	3.42
662320	0.021	< 0.001	< 1	0.020	3.0	0.1	1	0.090	0.72	1.37	0.24	0.10	0.04	2.4	6	7	419	1.41	0.5	0.8	11.8	53.7	3.95
662321	0.005	< 0.001	1	0.110	3.2	0.2	2	0.080	0.66	1.43	0.34	0.12	0.18	6.0	13	5	128	3.40	14.4	1.1	20.5	14.9	5.28
662322	0.030	0.010	< 1	0.100	3.8	0.2	1	0.080	1.30	2.05	0.23	0.14	0.15	10.0	17	11	702	3.75	1.8	0.9	3.9	63.6	8.71
662323	0.010	0.290	< 1	0.100	5.3	0.4	11	0.740	2.04	4.96	0.15	< 0.02	3.50	12.7	296	40	853	6.84	29.8	16.4	64.4	38.9	11.4
662324	0.027	0.100	< 1	0.160	6.4	0.3	6	0.140	1.88	2.66	0.21	0.04	4.26	13.9	177	41	1270	5.40	23.1	18.4	64.9	76.7	7.78
662325	0.037	< 0.001	< 1	0.160	7.2	0.4	1	0.070	0.78	1.82	0.26	0.03	11.3	7.6	31	8	1250	2.80	8.8	8.4	15.8	36.3	3.49
662326	0.008	< 0.001	< 1	0.020	1.6	0.3	2	0.040	0.46	1.23	0.48	0.03	0.77	3.1	13	4	598	1.25	2.5	1.3	5.1	38.7	2.42
662327	0.011	< 0.001	< 1	0.060	2.3	0.3	2	0.050	1.97	1.60	0.47	0.04	3.72	8.4	34	3	1410	2.83	5.1	2.0	3.1	87.3	3.40
662328	0.007	0.010	< 1	0.060	1.9	0.3	2	0.110	0.39	0.95	0.23	0.02	0.15	5.1	28	8	362	2.46	3.8	2.3	5.6	15.3	4.75
662329	0.009	< 0.001	< 1	0.020	1.1	< 0.1	3	0.020	4.74	0.34	0.14	< 0.02	14.1	4.0	74	7	2700	6.59	33.5	12.3	74.8	97.9	< 0.02
662330	0.014	< 0.001	< 1	0.050	2.4	0.1	< 1	0.060	0.42	1.27	0.21	0.04	0.10	3.0	3	3	71	1.05	0.7	1.4	3.8	18.3	3.08
662331	0.006	0.310	< 1	0.080	13.1	0.8	5	0.100	1.52	2.74	0.04	< 0.02	2.36	21.1	71	3	1530	7.57	21.0	1.7	28.0	122	9.76
662332	0.011	0.310	< 1	0.130	6.3	0.6	5	0.070	0.92	2.21	0.06	< 0.02	2.71	13.8	51	17	892	4.92	13.8	2.1	22.9	93.1	10.9
662333	0.006	0.270	< 1	0.100	8.1	0.5	3	0.075	1.04	1.75	0.06	< 0.02	1.62	12.6	37	28	979	4.73	12.1	1.7	14.8	82.6	7.76

Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
662307	< 0.1	7.7	0.9	13.6	1.47	1.5	< 0.1	4.21	1.51	0.03	0.19	0.23	0.78	0.10	7.6	2.4	5.89	0.08	0.8	3.98	1.0	1.4	0.3
662310	< 0.1	6.1	0.3	17.7	1.53	1.3	< 0.1	2.94	0.520	0.03	0.28	0.16	0.26	0.06	64.0	4.0	8.28	0.09	1.0	4.90	1.3	5.2	0.4
662311	< 0.1	20.8	0.6	11.3	0.71	< 0.1	< 0.1	9.32	10.4	0.02	< 0.05	8.42	0.24	< 0.02	196	1.1	2.19	14.4	0.3	1.14	0.3	0.4	0.1
662312	< 0.1	47.9	4.7	14.0	3.32	0.5	< 0.1	2.35	3.11	0.02	0.05	1.88	0.24	0.12	52.7	4.2	10.3	2.38	1.3	6.05	1.5	0.3	0.5
662313	< 0.1	1.0	0.8	13.6	5.26	1.6	< 0.1	0.93	0.340	0.07	0.09	0.17	0.17	0.07	15.2	3.3	8.92	0.09	1.4	7.54	2.3	0.5	0.6
662314	< 0.1	2.2	6.6	224	12.2	1.8	< 0.1	0.28	0.080	0.04	0.11	2.40	< 0.02	0.27	96.6	10.2	21.5	0.45	2.7	12.1	3.0	0.5	0.9
662315	< 0.1	1.6	2.0	6.6	2.30	0.3	< 0.1	0.75	0.120	0.05	< 0.05	0.24	0.20	0.20	32.7	1.3	3.53	0.03	0.6	3.07	0.9	0.3	0.2
662316	< 0.1	0.8	1.0	5.7	4.51	0.3	< 0.1	0.88	0.050	0.07	0.13	0.20	< 0.02	0.24	20.0	4.5	12.1	0.05	1.8	9.53	2.6	0.3	0.6
662317	< 0.1	3.6	5.8	8.0	1.89	1.5	< 0.1	2.72	0.050	0.03	0.08	0.23	0.78	0.13	71.0	4.4	10.0	0.01	1.3	6.23	1.4	0.6	0.3
662318	< 0.1	3.2	4.3	8.0	4.60	9.2	< 0.1	2.13	0.155	0.06	< 0.05	0.16	0.62	0.30	38.0	4.9	12.2	0.01	1.6	7.38	1.7	0.5	0.4
662319	< 0.1	1.4	4.8	11.7	1.67	1.5	< 0.1	3.09	0.130	0.08	0.08	0.16	0.69	0.09	370	7.1	16.6	0.01	2.1	9.56	2.0	0.4	0.3
662320	< 0.1	1.2	3.4	8.6	1.85	1.2	< 0.1	0.95	0.070	0.03	< 0.05	0.11	0.08	0.09	138	3.3	8.72	0.01	1.3	6.43	1.6	0.5	0.3
662321	< 0.1	1.9	5.7	5.8	4.81	3.1	< 0.1	2.78	0.060	< 0.02	0.12	0.10	0.93	0.35	23.6	3.1	8.64	0.01	1.3	6.72	2.0	0.9	0.5
662322	< 0.1	7.5	4.1	8.6	3.77	2.8	< 0.1	9.35	0.180	0.03	0.16	0.30	0.64	0.15	39.9	3.3	8.55	0.08	1.2	6.45	1.9	0.4	0.6
662323	0.1	3.8	3.3	72.5	9.23	2.7	< 0.1	0.41	0.100	0.02	0.22	0.09	< 0.02	1.04	95.4	5.7	12.4	0.04	1.5	6.84	1.6	0.6	0.5
662324	< 0.1	1.6	4.8	91.7	17.3	2.3	< 0.1	1.35	0.060	0.03	0.27	0.10	0.04	0.53	175	9.3	20.9	0.06	2.7	12.4	3.1	0.6	0.8
662325	< 0.1	1.9	5.1	108	14.4	0.1	< 0.1	1.26	0.060	0.03	0.08	0.07	0.05	0.26	95.8	8.4	18.0	0.04	2.3	10.1	2.7	0.7	0.8
662326	< 0.1	0.9	5.7	9.4	5.76	2.3	< 0.1	0.33	0.030	0.02	0.14	0.14	< 0.02	0.29	141	8.6	19.6	0.04	2.5	11.2	2.6	0.4	0.6
662327	< 0.1	0.5	5.0	63.6	11.3	1.2	< 0.1	0.49	0.120	0.04	0.19	0.10	< 0.02	0.51	132	6.9	17.2	0.61	2.3	11.6	3.2	0.3	0.9
662328	< 0.1	1.3	5.8	6.9	18.2	3.3	< 0.1	1.66	0.110	0.03	0.34	0.04	0.02	0.09	161	16.0	53.6	0.01	4.0	15.9	3.5	0.7	0.6
662329	< 0.1	1.7	2.9	596	7.65	0.3	< 0.1	0.95	0.060	< 0.02	< 0.05	0.47	< 0.02	0.38	1250	2.0	4.28	0.23	0.6	2.79	1.2	0.6	0.6
662330	< 0.1	1.9	2.8	7.0	6.80	0.5	< 0.1	2.52	0.360	< 0.02	< 0.05	0.05	0.58	0.11	99.3	4.6	10.5	0.02	1.5	7.28	1.9	1.1	0.5
662331	0.2	0.9	1.6	50.4	39.0	4.4	< 0.1	0.97	0.100	0.07	1.14	0.09	< 0.02	0.24	341	13.4	34.2	0.12	4.8	23.5	6.7	1.4	1.5
662332	0.2	1.4	2.1	24.4	26.8	1.3	0.2	3.06	0.060	0.04	0.77	0.07	< 0.02	0.22	44.5	9.7	25.0	0.10	3.5	17.2	4.8	1.1	1.2
662333	0.2	0.8	1.7	24.0	23.3	0.5	< 0.1	3.18	0.060	0.04	0.63	0.11	< 0.02	0.16	81.9	9.3	24.4	0.06	3.4	16.8	4.7	1.0	1.1

Analyte Symbol	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Au	Pb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	g/tonne	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.1	0.1	10	0.03	0.003
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-GRA	ICP-OES
662307	0.8	< 0.1	0.3	< 0.1	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	0.040	5.8	< 0.02	95.1	0.2	< 0.1	70		
662310	1.0	0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.030	1.0	< 0.02	153	0.2	< 0.1	50		
662311	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	9960	0.04	> 5000	< 0.1	< 0.1	580	6.70	0.668
662312	1.4	0.2	0.8	0.1	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	34.0	0.10	289	< 0.1	< 0.1	50		
662313	1.8	0.2	1.1	0.2	0.5	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	2.9	< 0.02	11.3	0.1	< 0.1	40		
662314	3.2	0.4	2.3	0.4	1.1	0.1	0.9	0.1	< 0.1	< 0.05	< 0.1	< 0.001	0.8	0.02	8.3	0.9	0.4	20		
662315	0.6	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	3.9	0.1	0.1	30		
662316	1.7	0.2	1.0	0.2	0.5	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	1.6	0.3	0.1	30		
662317	0.8	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.03	5.4	0.4	< 0.1	10		
662318	1.2	0.2	0.8	0.1	0.5	< 0.1	0.5	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 0.5	0.02	2.1	0.6	0.3	< 10		
662319	0.9	< 0.1	0.4	< 0.1	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.03	2.3	0.5	< 0.1	< 10		
662320	0.9	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	1.5	0.2	< 0.1	10		
662321	1.9	0.2	1.2	0.2	0.5	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	3.3	0.3	0.1	30		
662322	1.7	0.2	1.0	0.2	0.4	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	21.6	0.08	9.8	0.3	0.1	140		
662323	1.9	0.3	1.7	0.3	1.0	0.1	0.9	0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	3.3	1.4	0.2	20		
662324	3.5	0.5	3.1	0.6	1.8	0.2	1.6	0.2	< 0.1	< 0.05	< 0.1	< 0.001	1.0	< 0.02	6.9	2.0	0.5	10		
662325	3.1	0.4	2.6	0.5	1.4	0.2	1.4	0.2	< 0.1	< 0.05	< 0.1	0.010	< 0.5	0.02	2.4	1.1	3.5	< 10		
662326	2.3	0.3	1.2	0.2	0.5	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.02	5.0	0.6	0.2	< 10		
662327	3.4	0.4	2.4	0.4	1.1	0.1	0.9	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.02	6.2	0.4	0.2	10		
662328	3.6	0.5	3.3	0.6	2.0	0.3	2.1	0.3	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	2.3	7.5	1.3	< 10		
662329	1.8	0.3	1.5	0.2	0.7	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	5.0	0.2	< 0.1	30		
662330	1.8	0.3	1.5	0.3	0.8	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	< 0.001	6.8	< 0.02	6.4	0.5	0.2	< 10		
662331	8.1	1.3	7.6	1.4	4.2	0.6	3.7	0.5	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	5.0	1.6	1.0	10		
662332	6.0	0.9	5.4	0.9	2.8	0.4	2.3	0.3	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	3.3	1.1	0.6	10		
662333	5.4	0.8	4.8	0.8	2.3	0.3	1.8	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	3.4	0.9	0.6	< 10		

Analyte Symbol	Au	Ti	S	P	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga
Unit Symbol	g/mt	%	%	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.005	0.001	1	0.001	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.2	0.1	0.02
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas			< 1	0.030	28.1	0.8	4	0.090	0.37	7.71	1.19	0.16	0.20	20.7	148	68	970	5.14	12.5	19.9	59.5	109	15.1
GXR-6 Cert			0.0160	0.0350	32.0	1.40	9.80	0.104	0.609	17.7	1.87	0.290	0.180	27.6	186	96.0	1010	5.58	13.8	27.0	66.0	118	35.0
CZN-4 Meas																							
CZN-4 Cert																							
OxQ90 Meas																							
OxQ90 Cert																							
OREAS 922 (AQUA REGIA) Meas			< 1	0.070	25.8	0.8		0.030	1.41	3.41	0.55	10.1	0.42	4.1	35	48	849	5.81	21.8	36.5	2340	281	8.49
OREAS 922 (AQUA REGIA) Cert			0.386	0.063	22.8	0.65		0.021	1.33	2.72	0.376	10.3	0.324	3.15	29.4	40.7	730	5.05	19.4	34.3	2176	256	7.62
OREAS 923 (AQUA REGIA) Meas			< 1	0.070	24.7	0.6			1.39	3.22	0.42	22.0	0.39	3.7	31	39	887	6.10	22.4	31.2	4120	321	7.54
OREAS 923 (AQUA REGIA) Cert			0.684	0.061	23.4	0.61			1.43	2.80	0.322	21.8	0.326	3.09	30.6	39.4	850	5.91	22.2	32.7	4248	335	8.01
OXN117 Meas	7.42																						
OXN117 Cert	7.679																						
PTC-1b Meas																							
PTC-1b Cert																							
CCU-1e Meas																							
CCU-1e Cert																							
OREAS 218 Meas	0.531																						
OREAS 218 Cert	0.531																						
662318 Orig		< 0.001	< 1	0.020	2.2	0.1	< 1	0.080	0.36	1.09	0.27	0.50	0.03	2.0	2	8	77	1.56	1.1	3.0	26.2	34.6	2.61
662318 Dup		< 0.001	< 1	0.020	2.0	0.2	< 1	0.080	0.35	1.05	0.27	0.46	0.03	2.0	1	1	78	1.58	1.1	0.5	25.8	36.0	2.78
662319 Orig	0.009																						
662319 Dup	< 0.005																						
662329 Orig	0.008																						
662329 Dup	0.009																						
662333 Orig		0.280	< 1	0.100	8.1	0.5	3	0.070	1.03	1.73	0.06	< 0.02	1.60	12.5	37	32	963	4.70	12.1	1.8	15.0	83.3	7.72
662333 Dup		0.260	< 1	0.100	8.0	0.5	3	0.080	1.06	1.76	0.06	< 0.02	1.63	12.7	37	25	995	4.77	12.2	1.5	14.6	81.9	7.80
Method Blank	< 0.005																						
Method Blank		< 0.001	< 1	< 0.001	< 0.1	< 0.1	2	0.010	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	< 1	< 1	< 1	< 0.01	< 0.1	0.2	< 0.2	< 0.1	0.02
Method Blank																							

Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas		181	60.6	40.5	6.04	9.3	< 0.1	1.61	0.290	0.05	0.79	1.46	0.06	3.00	1220	9.5	26.7	0.07		9.15	1.9	0.5	0.4
GXR-6 Cert		330	90.0	35.0	14.0	110	7.50	2.40	1.30	0.260	1.70	3.60	0.0180	4.20	1300	13.9	36.0	1.00		13.0	2.67	0.940	0.760
CZN-4 Meas																							
CZN-4 Cert																							
OxQ90 Meas																							
OxQ90 Cert																							
OREAS 922 (AQUA REGIA) Meas	0.2	7.4	30.0	15.9	20.8	18.5	0.4	0.79	0.920	0.23	4.10	0.78		2.12	90.2	37.2	74.3	0.32	8.1	30.5	5.8	4.5	
OREAS 922 (AQUA REGIA) Cert	0.10	6.12	22.7	15.0	16.0	22.3	0.35	0.69	0.851	0.24	3.83	0.57		1.76	70	32.5	63	0.28	7.33	27.5	4.98	3.44	
OREAS 923 (AQUA REGIA) Meas		7.1	22.8	12.7	16.9	20.9		0.82	1.43	0.39	5.81	0.70		1.55	66.0	31.9	63.0	0.41	6.9	26.3	5.0	5.5	
OREAS 923 (AQUA REGIA) Cert		7.07	19.6	13.6	14.3	22.5		0.84	1.62	0.45	5.99	0.58		1.56	54	30.0	60	0.40	6.79	25.4	4.34	5.99	
OXN117 Meas																							
OXN117 Cert																							
PTC-1b Meas																							
PTC-1b Cert																							
CCU-1e Meas																							
CCU-1e Cert																							
OREAS 218 Meas																							
OREAS 218 Cert																							
662318 Orig	< 0.1	3.3	4.3	7.9	4.59	9.0	< 0.1	2.15	0.130	0.06	0.05	0.16	0.61	0.30	37.0	5.0	12.6	0.01	1.7	7.61	1.8	0.6	0.4
662318 Dup	< 0.1	3.1	4.3	8.1	4.60	9.4	< 0.1	2.10	0.180	0.06	< 0.05	0.17	0.63	0.29	38.9	4.7	11.8	0.01	1.5	7.14	1.7	0.4	0.4
662319 Orig																							
662319 Dup																							
662329 Orig																							
662329 Dup																							
662333 Orig	0.2	0.9	1.7	23.7	23.0	0.5	0.1	3.38	0.080	0.04	0.63	0.11	< 0.02	0.16	81.3	9.4	24.6	0.06	3.4	16.8	4.8	1.0	1.1
662333 Dup	0.1	0.7	1.8	24.4	23.5	0.5	< 0.1	2.98	0.040	0.04	0.62	0.12	< 0.02	0.16	82.5	9.3	24.3	0.06	3.4	16.7	4.7	1.0	1.1
Method Blank																							
Method Blank	< 0.1	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	0.16	< 0.002	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	4.8	< 0.5	0.01	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1
Method Blank																							

Analyte Symbol	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Au	Pb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	g/tonne	%
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.1	0.1	10	0.03	0.003
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-GRA	ICP-OES
GXR-6 Meas	1.7	0.2	1.3				0.7	0.1	0.2	< 0.05	< 0.1		18.0	1.33	83.7	3.4	0.7	70		
GXR-6 Cert	2.97	0.415	2.80				2.40	0.330	4.30	0.485	1.90		95.0	2.20	101	5.30	1.54	68.0		
CZN-4 Meas																				0.186
CZN-4 Cert																				0.1861
OxQ90 Meas																			24.3	
OxQ90 Cert																			24.9	
OREAS 922 (AQUA REGIA) Meas	5.0	0.7							0.3		1.2			0.17	60.9	14.9	2.4			
OREAS 922 (AQUA REGIA) Cert	4.44	0.62							0.61		1.12			0.14	60	14.5	1.98			
OREAS 923 (AQUA REGIA) Meas	4.4	0.6							0.3		2.0			0.13	84.8	14.2	2.2			
OREAS 923 (AQUA REGIA) Cert	4.07	0.54							0.60		1.96			0.12	81	14.3	1.80			
OXN117 Meas																			7.48	
OXN117 Cert																			7.679	
PTC-1b Meas																				0.076
PTC-1b Cert																				0.080
CCU-1e Meas																				0.683
CCU-1e Cert																				0.703
OREAS 218 Meas																				
OREAS 218 Cert																				
662318 Orig	1.3	0.2	0.9	0.2	0.5	< 0.1	0.6	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 0.5	0.03	2.5	0.6	0.3	< 10		
662318 Dup	1.2	0.2	0.8	0.1	0.5	< 0.1	0.5	< 0.1	0.2	< 0.05	< 0.1	< 0.001	1.3	0.02	1.7	0.6	0.2	20		
662319 Orig																				
662319 Dup																				
662329 Orig																				
662329 Dup																				
662333 Orig	5.5	0.8	4.8	0.8	2.4	0.3	1.7	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	3.7	0.9	0.6	10		
662333 Dup	5.4	0.8	4.7	0.8	2.3	0.3	1.8	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	3.0	0.9	0.6	< 10		
Method Blank																				
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.1	< 0.1	< 0.1	< 10		
Method Blank																				< 0.003

Quality Analysis ... *Innovative Technologies*

Date Submitted: 23-Jul-18
Invoice No.: A18-09521
Invoice Date: 27-Aug-18
Your Reference:

Colorado Resources
#105-3500 Carrington Road
West Kelowna BC V1W 1C2
Canada

ATTN: Allan Jacobs (Cert)

CERTIFICATE OF ANALYSIS

4 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Kamloops (10g/m t) Au - Fire Assay AA

Code UT-1-Kamloops Aqua Regia ICP/MS

REPORT **A18-09521**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is only semi-quantitative. For accurate Au data, fire assay is recommended.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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Analyte Symbol	Au	Ti	S	P	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga
Unit Symbol	g/mt	%	%	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.005	0.001	1	0.001	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.2	0.1	0.02
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
662334	< 0.005	0.001	2	0.016	2.7	< 0.1	< 1	0.032	0.58	1.02	0.23	0.63	0.03	1.3	10	5	280	3.01	2.7	0.9	3.8	44.3	3.37
662335	< 0.005	< 0.001	2	0.012	0.5	< 0.1	< 1	0.026	0.10	0.56	0.24	0.77	< 0.01	0.1	5	4	52	3.35	1.9	0.5	4.4	11.2	2.82
662339	0.132	0.001	2	0.035	7.7	0.1	< 1	0.034	1.72	2.18	0.28	1.06	0.03	2.8	18	8	784	4.12	7.1	4.5	3.6	104	5.89
662340	< 0.005	0.002	1	0.045	6.4	0.1	< 1	0.065	1.67	2.02	0.17	0.94	0.10	4.7	34	18	848	3.28	4.7	8.8	5.3	140	5.68

Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
662334	< 0.1	2.8	3.4	2.3	1.26	1.7	< 0.1	4.60	0.076	0.08	< 0.05	< 0.02	0.57	0.30	8.9	4.0	9.60	0.03	1.3	5.86	1.2	0.5	0.2
662335	< 0.1	2.4	3.4	1.6	1.16	1.6	< 0.1	5.32	0.073	0.09	< 0.05	< 0.02	0.59	0.30	11.8	5.3	12.5	0.04	1.8	7.27	1.5	0.5	0.2
662339	< 0.1	3.1	4.0	1.8	2.02	1.7	< 0.1	4.02	0.095	0.13	0.20	0.05	1.27	0.35	6.6	6.1	15.1	< 0.01	2.2	9.61	2.1	0.7	0.4
662340	< 0.1	2.4	2.5	7.9	1.53	1.1	< 0.1	3.85	0.073	0.14	0.14	< 0.02	0.69	0.12	13.4	2.0	5.44	0.03	0.8	3.77	0.9	< 0.1	0.2

Analyte Symbol	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
662334	0.7	< 0.1	0.3	< 0.1	0.2	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 0.5	< 0.02	0.6	0.4	< 0.1	< 10
662335	0.7	< 0.1	0.3	< 0.1	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	0.002	1.3	< 0.02	0.9	0.4	< 0.1	< 10
662339	1.1	0.1	0.5	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.003	< 0.5	< 0.02	0.9	0.3	0.1	20
662340	0.6	< 0.1	0.3	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 0.5	< 0.02	1.2	0.3	< 0.1	30

Analyte Symbol	Au	Ti	S	P	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga
Unit Symbol	g/mt	%	%	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.005	0.001	1	0.001	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.2	0.1	0.02
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas			< 1	0.033	23.4	0.7	< 1	0.080	0.37	6.69	1.04	0.14	0.18	20.2	142	63	919	5.07	11.9	20.0	59.1	110	12.8
GXR-6 Cert			0.0160	0.0350	32.0	1.40	9.80	0.104	0.609	17.7	1.87	0.290	0.180	27.6	186	96.0	1010	5.58	13.8	27.0	66.0	118	35.0
OREAS 922 (AQUA REGIA) Meas			< 1	0.065	20.0	0.8		0.025	1.25	2.72	0.44	9.95	0.36	3.0	29	38	728	5.05	18.4	33.4	2110	252	6.73
OREAS 922 (AQUA REGIA) Cert			0.386	0.063	22.8	0.65		0.021	1.33	2.72	0.376	10.3	0.324	3.15	29.4	40.7	730	5.05	19.4	34.3	2176	256	7.62
OREAS 923 (AQUA REGIA) Meas			< 1	0.070	21.8	0.6			1.46	3.00	0.40	22.7	0.40	3.2	31	38	893	6.27	23.0	33.3	4470	349	7.28
OREAS 923 (AQUA REGIA) Cert			0.684	0.061	23.4	0.61			1.43	2.80	0.322	21.8	0.326	3.09	30.6	39.4	850	5.91	22.2	32.7	4248	335	8.01
OXN117 Meas	7.29																						
OXN117 Cert	7.679																						
662340 Orig	< 0.005																						
662340 Dup	< 0.005																						
Method Blank		< 0.001	< 1	< 0.001	< 0.1	< 0.1	< 1	0.009	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	< 1	< 1	< 1	< 0.01	< 0.1	< 0.1	< 0.2	< 0.1	< 0.02
Method Blank	< 0.005																						

Analyte Symbol	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas		161	47.4	34.7	5.41	5.6	< 0.1	0.52	0.335	0.05	0.74	0.78	< 0.02	3.01	1040	9.4	26.7	0.04		9.24	1.9	< 0.1	0.4
GXR-6 Cert		330	90.0	35.0	14.0	110	7.50	2.40	1.30	0.260	1.70	3.60	0.0180	4.20	1300	13.9	36.0	1.00		13.0	2.67	0.940	0.760
OREAS 922 (AQUA REGIA) Meas	0.2	5.5	21.6	13.3	17.1	1.1	< 0.1	0.53	0.792	0.20	3.67	0.45		1.66	72.1	32.2	64.1	0.20	7.4	26.9	4.9	2.1	
OREAS 922 (AQUA REGIA) Cert	0.10	6.12	22.7	15.0	16.0	22.3	0.35	0.69	0.851	0.24	3.83	0.57		1.76	70	32.5	63	0.28	7.33	27.5	4.98	3.44	
OREAS 923 (AQUA REGIA) Meas		7.6	20.3	12.9	17.1	2.7		0.78	1.72	0.37	6.27	0.63		1.55	61.8	31.8	63.4	0.46	7.3	26.5	4.8	6.2	
OREAS 923 (AQUA REGIA) Cert		7.07	19.6	13.6	14.3	22.5		0.84	1.62	0.45	5.99	0.58		1.56	54	30.0	60	0.40	6.79	25.4	4.34	5.99	
OXN117 Meas																							
OXN117 Cert																							
662340 Orig																							
662340 Dup																							
Method Blank	< 0.1	0.3	0.3	< 0.5	< 0.01	< 0.1	< 0.1	< 0.01	0.013	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	6.3	< 0.5	< 0.01	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1
Method Blank																							

Analyte Symbol	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.1	0.1	10
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas	1.5	0.2	1.3				0.6	< 0.1	< 0.1	< 0.05	< 0.1			1.00	92.1	3.5	0.6	30
GXR-6 Cert	2.97	0.415	2.80				2.40	0.330	4.30	0.485	1.90			2.20	101	5.30	1.54	68.0
OREAS 922 (AQUA REGIA) Meas	4.0	0.6							< 0.1		0.9			0.10	60.2	13.8	1.9	
OREAS 922 (AQUA REGIA) Cert	4.44	0.62							0.61		1.12			0.14	60	14.5	1.98	
OREAS 923 (AQUA REGIA) Meas	4.0	0.6							< 0.1		1.6			0.08	86.5	14.7	2.0	
OREAS 923 (AQUA REGIA) Cert	4.07	0.54							0.60		1.96			0.12	81	14.3	1.80	
OXN117 Meas																		
OXN117 Cert																		
662340 Orig																		
662340 Dup																		
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.1	< 0.1	< 0.1	< 10
Method Blank																		

Quality Analysis ... *Innovative Technologies*

Date Submitted: 23-Jul-18
Invoice No.: A18-09524
Invoice Date: 27-Aug-18
Your Reference:

Colorado Resources
#105-3500 Carrington Road
West Kelowna BC V1W 1C2
Canada

ATTN: Allan Jacobs (Cert)

CERTIFICATE OF ANALYSIS

11 Rock samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-Kamloops (10g/m t) Au - Fire Assay AA

Code UT-1-Kamloops Aqua Regia ICP/MS

REPORT **A18-09524**

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is only semi-quantitative. For accurate Au data, fire assay is recommended.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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Analyte Symbol	Ti	S	P	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge
Unit Symbol	%	%	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	1	0.001	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
662336	0.001	< 1	0.041	5.9	0.2	< 1	0.066	1.21	1.64	0.15	0.33	0.04	2.6	15	5	712	2.26	1.7	1.2	18.7	165	5.07	< 0.1
662337	0.001	2	0.013	2.5	0.1	< 1	0.031	0.56	1.12	0.33	1.23	< 0.01	1.2	9	3	327	3.24	3.9	0.8	15.3	44.2	4.86	< 0.1
662338	0.001	< 1	0.033	5.1	0.1	< 1	0.063	0.99	1.49	0.16	0.35	0.03	2.2	13	6	572	2.08	2.1	1.4	8.7	115	4.58	< 0.1
662341	0.230	1	0.186	10.0	0.3	< 1	0.055	1.76	2.27	0.07	0.20	1.68	8.5	149	10	890	4.99	13.0	7.3	827	503	7.35	0.1
662342	0.296	3	0.168	10.9	0.6	2	0.062	1.70	2.51	0.08	0.26	1.69	10.1	164	7	348	5.19	11.7	6.1	188	69.7	8.57	< 0.1
662343	0.225	3	0.179	14.5	0.3	< 1	0.080	2.55	2.44	0.24	0.23	1.29	11.1	160	15	355	6.25	28.8	12.8	79.8	12.9	8.41	< 0.1
662344	0.003	< 1	0.118	2.0	0.2	< 1	0.069	0.36	0.64	0.24	0.20	5.48	6.1	36	4	1890	3.20	11.3	6.4	1220	149	1.82	< 0.1
662345	0.008	< 1	0.260	19.1	0.5	< 1	0.056	1.51	2.12	0.29	0.11	3.78	8.6	94	10	1420	4.99	13.5	7.9	1020	131	9.22	< 0.1
662346	0.003	< 1	0.008	20.6	0.3	< 1	0.087	1.82	1.73	0.09	0.27	4.20	12.6	56	12	1590	3.64	14.0	10.4	3360	179	9.27	< 0.1
662347	0.029	< 1	0.130	11.1	0.3	< 1	0.079	1.75	1.70	0.18	0.06	3.65	9.9	123	10	976	3.87	16.2	8.3	342	44.4	6.27	< 0.1
662348	0.226	< 1	0.139	9.3	0.5	2	0.070	1.50	2.16	0.04	0.10	1.73	5.2	110	15	268	2.78	11.9	10.8	103	23.3	6.78	< 0.1

Analyte Symbol	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
662336	2.1	2.3	5.1	1.99	0.8	< 0.1	1.51	0.086	0.12	0.13	0.11	0.54	0.18	61.6	6.0	14.1	0.05	2.0	8.91	2.0	< 0.1	0.4	1.1
662337	3.0	4.5	2.0	2.60	1.4	< 0.1	3.96	0.082	0.12	0.19	0.04	1.68	0.36	9.2	10.6	24.6	0.05	3.4	14.4	2.9	1.0	0.5	1.5
662338	1.6	2.4	2.1	1.47	0.7	< 0.1	1.57	0.089	0.09	0.14	< 0.02	0.48	0.20	36.8	7.3	16.4	0.03	2.2	9.64	2.0	< 0.1	0.4	1.1
662341	49.9	1.6	92.5	10.2	1.6	< 0.1	1.44	0.578	0.07	1.20	1.17	0.14	0.15	16.7	4.9	11.5	3.92	1.6	7.18	1.8	2.2	0.6	1.9
662342	14.5	1.8	63.2	10.3	5.7	< 0.1	1.14	0.208	< 0.02	1.08	0.39	0.21	0.13	10.7	4.6	11.6	0.41	1.7	7.39	1.8	1.6	0.6	1.9
662343	40.3	5.7	28.2	11.9	2.8	< 0.1	0.89	0.207	0.02	0.28	0.42	0.51	0.34	12.0	6.1	13.0	0.10	1.8	8.46	2.2	2.8	0.7	2.4
662344	5.3	4.8	80.0	7.72	0.6	< 0.1	1.22	0.764	0.11	< 0.05	0.24	0.03	0.22	453	5.9	13.0	0.50	1.8	7.83	1.9	0.2	0.5	1.7
662345	9.9	7.2	133	7.09	0.2	< 0.1	1.18	0.669	0.25	0.26	0.58	< 0.02	0.59	192	7.8	17.5	0.25	2.3	10.0	2.2	< 0.1	0.6	2.0
662346	1.1	2.1	76.8	6.02	1.3	< 0.1	12.7	2.28	0.64	0.22	0.07	< 0.02	0.29	213	6.6	14.8	0.10	2.0	8.21	1.8	2.3	0.6	1.5
662347	2.5	3.7	124	9.50	< 0.1	< 0.1	0.70	0.166	0.07	0.26	0.22	< 0.02	0.27	528	5.1	11.8	0.23	1.7	7.74	1.9	< 0.1	0.5	2.0
662348	6.5	0.7	75.9	9.05	3.0	< 0.1	0.17	0.089	0.03	0.36	0.43	0.27	0.08	24.3	4.9	11.6	0.06	1.5	6.62	1.5	0.9	0.4	1.6

Analyte Symbol	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	g/mt
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.1	0.1	10	0.005
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-AA
662336	0.1	0.5	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.002	< 0.5	< 0.02	0.5	0.3	< 0.1	< 10	< 0.005
662337	0.1	0.6	< 0.1	0.3	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.002	< 0.5	< 0.02	0.7	0.4	0.1	30	< 0.005
662338	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.002	< 0.5	< 0.02	1.5	0.4	< 0.1	10	< 0.005
662341	0.3	1.9	0.4	1.1	0.2	1.0	0.1	< 0.1	< 0.05	0.2	0.010	3.9	< 0.02	11.3	0.8	0.3	140	0.041
662342	0.3	2.0	0.4	1.2	0.2	1.0	0.1	0.2	< 0.05	0.2	0.006	1.4	< 0.02	2.4	0.7	0.3	10	0.012
662343	0.4	2.4	0.4	1.2	0.2	1.0	0.1	< 0.1	< 0.05	0.1	0.008	3.4	< 0.02	2.9	0.5	0.1	70	0.020
662344	0.2	1.4	0.2	0.8	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	0.001	< 0.5	< 0.02	5.6	1.2	0.2	90	0.141
662345	0.3	1.4	0.3	0.8	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	0.001	0.7	0.03	5.9	1.2	0.2	30	0.042
662346	0.2	1.2	0.2	0.7	< 0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	0.001	4.3	< 0.02	4.8	1.0	0.1	30	0.203
662347	0.3	1.9	0.3	1.1	0.1	1.0	0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.5	< 0.02	3.3	1.1	0.1	< 10	0.027
662348	0.3	1.6	0.3	1.0	0.1	0.9	0.1	0.1	< 0.05	0.1	< 0.001	0.6	< 0.02	1.6	0.8	0.4	20	0.045

Analyte Symbol	Ti	S	P	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge
Unit Symbol	%	%	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.001	1	0.001	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas		< 1	0.033	23.4	0.7	< 1	0.080	0.37	6.69	1.04	0.14	0.18	20.2	142	63	919	5.07	11.9	20.0	59.1	110	12.8	
GXR-6 Cert		0.0160	0.0350	32.0	1.40	9.80	0.104	0.609	17.7	1.87	0.290	0.180	27.6	186	96.0	1010	5.58	13.8	27.0	66.0	118	35.0	
OREAS 922 (AQUA REGIA) Meas		< 1	0.065	20.0	0.8		0.025	1.25	2.72	0.44	9.95	0.36	3.0	29	38	728	5.05	18.4	33.4	2110	252	6.73	0.2
OREAS 922 (AQUA REGIA) Cert		0.386	0.063	22.8	0.65		0.021	1.33	2.72	0.376	10.3	0.324	3.15	29.4	40.7	730	5.05	19.4	34.3	2176	256	7.62	0.10
OREAS 923 (AQUA REGIA) Meas		< 1	0.070	21.8	0.6			1.46	3.00	0.40	22.7	0.40	3.2	31	38	893	6.27	23.0	33.3	4470	349	7.28	
OREAS 923 (AQUA REGIA) Cert		0.684	0.061	23.4	0.61			1.43	2.80	0.322	21.8	0.326	3.09	30.6	39.4	850	5.91	22.2	32.7	4248	335	8.01	
OXN117 Meas																							
OXN117 Cert																							
662344 Orig																							
662344 Dup																							
662347 Orig	0.029	< 1	0.130	11.1	0.3	< 1	0.080	1.74	1.68	0.18	0.05	3.60	9.7	121	10	961	3.81	16.0	8.2	337	43.9	6.37	< 0.1
662347 Dup	0.029	< 1	0.129	11.0	0.3	< 1	0.078	1.77	1.72	0.18	0.07	3.71	10.1	125	10	990	3.92	16.5	8.4	348	44.9	6.18	< 0.1
Method Blank	< 0.001	< 1	< 0.001	< 0.1	< 0.1	< 1	0.009	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.1	< 1	< 1	< 1	< 0.01	< 0.1	< 0.1	< 0.2	< 0.1	< 0.02	< 0.1
Method Blank																							

Analyte Symbol	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce	Cd	Pr	Nd	Sm	Se	Eu	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-6 Meas	161	47.4	34.7	5.41	5.6	< 0.1	0.52	0.335	0.05	0.74	0.78	< 0.02	3.01	1040	9.4	26.7	0.04		9.24	1.9	< 0.1	0.4	1.5
GXR-6 Cert	330	90.0	35.0	14.0	110	7.50	2.40	1.30	0.260	1.70	3.60	0.0180	4.20	1300	13.9	36.0	1.00		13.0	2.67	0.940	0.760	2.97
OREAS 922 (AQUA REGIA) Meas	5.5	21.6	13.3	17.1	1.1	< 0.1	0.53	0.792	0.20	3.67	0.45		1.66	72.1	32.2	64.1	0.20	7.4	26.9	4.9	2.1		4.0
OREAS 922 (AQUA REGIA) Cert	6.12	22.7	15.0	16.0	22.3	0.35	0.69	0.851	0.24	3.83	0.57		1.76	70	32.5	63	0.28	7.33	27.5	4.98	3.44		4.44
OREAS 923 (AQUA REGIA) Meas	7.6	20.3	12.9	17.1	2.7		0.78	1.72	0.37	6.27	0.63		1.55	61.8	31.8	63.4	0.46	7.3	26.5	4.8	6.2		4.0
OREAS 923 (AQUA REGIA) Cert	7.07	19.6	13.6	14.3	22.5		0.84	1.62	0.45	5.99	0.58		1.56	54	30.0	60	0.40	6.79	25.4	4.34	5.99		4.07
OXN117 Meas																							
OXN117 Cert																							
662344 Orig																							
662344 Dup																							
662347 Orig	2.5	3.6	124	9.52	0.1	< 0.1	0.69	0.233	0.06	0.26	0.23	< 0.02	0.27	517	4.9	11.6	0.16	1.7	7.72	1.9	< 0.1	0.5	2.0
662347 Dup	2.5	3.7	125	9.48	< 0.1	< 0.1	0.70	0.098	0.07	0.27	0.21	< 0.02	0.27	538	5.2	12.1	0.31	1.8	7.77	1.9	< 0.1	0.5	2.0
Method Blank	0.3	0.3	< 0.5	< 0.01	< 0.1	< 0.1	< 0.01	0.013	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	6.3	< 0.5	< 0.01	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							

Analyte Symbol	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U	Hg	Au
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	g/mt
Lower Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.1	0.1	10	0.005
Method Code	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	FA-AA
GXR-6 Meas	0.2	1.3				0.6	< 0.1	< 0.1	< 0.05	< 0.1			1.00	92.1	3.5	0.6	30	
GXR-6 Cert	0.415	2.80				2.40	0.330	4.30	0.485	1.90			2.20	101	5.30	1.54	68.0	
OREAS 922 (AQUA REGIA) Meas	0.6							< 0.1		0.9			0.10	60.2	13.8	1.9		
OREAS 922 (AQUA REGIA) Cert	0.62							0.61		1.12			0.14	60	14.5	1.98		
OREAS 923 (AQUA REGIA) Meas	0.6							< 0.1		1.6			0.08	86.5	14.7	2.0		
OREAS 923 (AQUA REGIA) Cert	0.54							0.60		1.96			0.12	81	14.3	1.80		
OXN117 Meas																		7.29
OXN117 Cert																		7.679
662344 Orig																		0.131
662344 Dup																		0.150
662347 Orig	0.3	1.8	0.3	1.1	0.2	1.0	0.1	< 0.1	< 0.05	< 0.1	< 0.001	2.1	< 0.02	3.3	1.1	0.1	20	
662347 Dup	0.3	1.9	0.3	1.1	0.1	1.1	0.1	< 0.1	< 0.05	< 0.1	0.002	0.8	< 0.02	3.4	1.2	0.2	< 10	
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.1	< 0.1	< 0.1	< 10	
Method Blank																		< 0.005