

Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

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

Geological, Geochemical, Geophysical, Drilling

TOTAL COST: \$658,727.87

AUTHOR(S): J. Greg Dawson

SIGNATURE(S): 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-1-902 (Mine number 1450761)

YEAR OF WORK: 2014

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5534601

PROPERTY NAME: North ROK

CLAIM NAME(S) (on which the work was done): ROK-Black Sheep (tenure # 633350), West ROK (tenure # 633317)

COMMODITIES SOUGHT: Copper, Gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 104H 035; 104H 004; 104H 014; 104H 034

MINING DIVISION: Lard

NTS/BCGS: NTS: 104H/13 BCGS: 104H.0714.081

LATITUDE: 57 ° 49 ' 20 " LONGITUDE: 129 ° 53 ' 30 " (at centre of work)

OWNER(S):

1) Colorado Resources Ltd.

2) _____

MAILING ADDRESS:

110-2300 Carrington Rd, West Kelowna
B.C. V4T-2N6 Canada

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

1) Colorado Resources Ltd.

2) _____

MAILING ADDRESS:

110-2300 Carrington Rd, West Kelowna
B.C. V4T-2N6 Canada

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

Monzodiorite, Mabon stock, Edon stock, Late Triassic - Early Jurassic,
Stuhini Group, Hazelton Group, copper-gold porphyry, potassic alteration,
quartz-pyrite alteration.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 6093, 8481, 17316, 20689,
21901, 31817, 33541, 34417

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	3 km	633347, 633350	\$5,000
Electromagnetic			
Induced Polarization	3 km	633,347, 633350	25,000
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core	2191 m	633347, 633350	\$600,164
Non-core			
RELATED TECHNICAL			
Sampling/assaying	817	633347, 633350	\$28,564
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:			\$658,728

**BC Geological Survey
Assessment Report
35137**

**2014 Assessment Report on the Diamond Drilling and IP Surveying Programs
on the
NORTH ROK COPPER-GOLD PROJECT**

*Liard Mining Division,
British Columbia, Canada*

Latitude: 57° 49' 20" N (property centre)
Longitude: 129° 53' 30" W (property centre)
NAD 83 UTM Zone 9N: 447000E 6409330N

BCGS Map sheets: 104H.071 & 081
NTS Map sheet: 104H/13

for

Colorado Resources Ltd.
110 – 2300 Carrington Road
West Kelowna, British Columbia
V4T 2N6

Author:

J. Greg Dawson, P.Geol.

December 16, 2014

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1.0 SUMMARY

The North ROK property is located in the Stikine River region of northwestern British Columbia, an area well known for hosting Late Triassic-Early Jurassic age porphyry copper-gold deposits. The property is located along Highway 37, approximately 190 km north of Stewart, 67 km south of Dease Lake and 15 km north-northwest of the Imperial Metals Corp., Red Chris porphyry copper-gold deposit.

The North ROK property that is the subject of this report consist of fifteen contiguous mineral claims covering 5,223 ha. All claims are owned 100 % by Colorado Resources Ltd.

The North ROK property is underlain by volcanic and sedimentary rocks of the Upper Triassic Stuhini Group to Lower Jurassic Hazelton Group, which are intruded by Upper Triassic to Early Jurassic stocks and dykes. Auriferous pyrite-chalcopyrite ± molybdenite mineralization is associated with the intrusive rocks. The North ROK Property contains four historical copper ± gold minfile occurrences: HI or “Klappan Rose”, Plateau, Mabon, and Edon.

In 2012 Colorado Resources conducted exploration on the western claim blocks at North ROK including soil sampling, prospecting/rock sampling, ground magnetometer surveying, and induced polarization surveying. Soil and rock sampling returned elevated and anomalous copper and gold concentrations in the vicinity of the Mabon occurrence. The ground magnetometer survey outlined significant magnetic anomalies underlying and to the west of the Edon and Mabon copper-gold occurrences. Induced Polarization identified a high-chargeability anomaly underlying the Mabon occurrence. Further programs of geophysical, geochemical, and geological surveying to expand the area surveyed and to better define drill targets were conducted in 2013. Diamond drilling was initiated in March, 2013 and continued through to October, 2013.

Exploration defined the principle characteristics and features of the North ROK porphyry copper-gold deposit located within the extensive Mabon mineralized alteration zone (Mabon Zone). The Mabon Zone represents an upper Triassic alkalic porphyry copper-gold system, where mineralization is predominately hosted in an elongate, 3000 m x 1000 m fine-grained, quartz-deficient plagioclase phyrlic monzodiorite intrusion, the Mabon Stock, dated at 215.8 +/- 3 Ma. The Mabon Stock and enclosing volcanic rocks are imprinted by a well-defined zoned hydrothermal and contact metamorphic alteration assemblage. The alteration zones from: (high temperature) potassic alteration → quartz-pyrite (phyllic) → epidote → chlorite (low temperature). A well-developed early biotite hornfels alteration assemblage is documented in the volcanic rocks along the northeastern flank of Mabon Stock. Copper and gold mineralization, as disseminated and vein-hosted chalcopyrite, has been identified by diamond drilling over a strike length of 900 m at the Mabon Zone.

Highlights of the 29 hole, 11,448 m drilling program completed in 2013 include 333 m of 0.51 % Cu and 0.67 g/t Au (NR13-001: 2 m-335 m); 402.2 m of 0.28 % Cu and 0.27 g/t Au (NR13-013: 162.6 m-564.8 m); and 177.1 m of 0.30 % Cu and 0.39 g/t Au (NR13-017: 272 m - 449.1 m).

Note that intercept lengths are core lengths and may not be indicative of true thicknesses.

A mineral resource has been calculated for the North ROK deposit using 18 of the 29 holes that intersect the mineralized solid over a strike length of 700 m. The Inferred Mineral Resource using a 0.20 % Copper Equivalent cut-off is 142.3 million tonnes averaging 0.22 % Copper and 0.26 g/t Gold which contain 690.30 million pounds of copper and 1.19 million ounces of gold. The resource is documented in a 43-101 compliant technical report authored by Gary Giroux, P.Eng and Mark Rebagliati, P.Eng dated March 12, 2014.

Between May 2 and June 15, 2014 a 3 line kilometre IP and magnetometer survey and a 5 hole, 2191 metre drilling program were completed on the property. With hole DDH14-031, which intersected 82.5 m of 0.122 g/t Au and 0.432% Cu between 306.4 and 388.9 m, the drill program succeeded in discovering a new mineralized zone associated with an untested chargeability anomaly. With DDH14-034, which intersected 172 m of 0.46 g/t Au and 0.23% Cu from 409.5 to 581.5 m (including 100.35 m of 0.736 g/t Au and 0.314% Cu from 448.5 to 548.85 m), the drill program successfully demonstrated that the higher grade mineralization at the Mabon zone extends at least 250 m beneath the DDH13-001 intersection.

Based on the 2014 exploration results a two phase 15,000 m diamond drilling program estimated to cost \$2,750,000 is strongly recommended for the North ROK project.

2.0 INTRODUCTION

This report documents the IP and magnetometer surveying and diamond drilling programs completed on the North ROK Property between May 2 and June 15, 2014. The IP survey consisted of 3 lines each 3 km in length oriented in a north south direction perpendicular to the east west lines completed on the property in 2013. The drilling program consisted of 5 holes totalling 2,191 m. The program was operated by Colorado Resources, the geophysical survey was done by Peter E. Walcott and Associates and the diamond drilling was done by Black Hawk Diamond Drilling. Accommodations were provided by the Iskut Motor Inn and helicopter support was provided by Fireweed Helicopters. Geotechnical and First Aid personnel were provide by All Day Logistics. The total cost of the program to be applied for assessment credit is \$658,727.87. A full cost statement is included as Appendix I.

3.0 PROPERTY DESCRIPTION AND LOCATION

3.1 Location

The North ROK property is situated in the Liard Mining Division within the Stikine River region of northwestern British Columbia, Canada (Figure 1). The property is situated approximately 190 km north of the Pacific Ocean deep water port of Stewart B.C., and 3.0 km south of the Village of Iskut on Highway 37. The center of the property is at about UTM co-ordinates 447000 East and 6409330 North (NAD 83, Zone 9) or 57° 49' 20" north latitude and 129° 53' 30" west longitude. The mineral claims are plotted on British Columbia Government claim map sheets 104H-071 and 104H-081 or NTS map sheet 104H/13W.



Figure 1: Project Location Map

3.2 Description

The North ROK property consists of fifteen contiguous mineral claims covering 5223 ha on the northern portion of Ehahcezetle Mountain situated northeast of the junction of Highway 37 and the Ealue Lake road (Figure 2). A complete list of the claims, their size and expiry dates are provided in Table 1. Colorado Resources owns a further non-contiguous claim in the area called the CO-OP 2, tenure number 1018458. Colorado did not complete any work on this claim in 2014 and will not be filing any assessment credit on the ground.

Table 1: North ROK Property Claims

Tenure Number	Claim Name	Area (Ha)	Issue Date	Expiry Date	Map Sheet Number
633323	East ROK	413.98	Sept. 13, 2009	January 31, 2024	104H-071/081
633344	NE ROK	430.92	Sept. 13, 2009	January 31, 2024	104H-081
633345	North ROK	413.63	Sept. 13, 2009	January 31, 2024	104H-081
633347	West ROK	431.06	Sept. 13, 2009	January 31, 2024	104H-081/071
633348	NW ROK	413.64	Sept. 13, 2009	January 31, 2024	104H-081
633350	ROK-Black Sheep	361.97	Sept. 13, 2009	January 31, 2024	104H-081
1012892	North ROK- Black Sheep 2	206.87	Sept. 15, 2012	January 31, 2024	104-081
594233	(No Name)	17.27	Nov. 14, 2008	January 31, 2024	104H-071
664024	Red Chris	17.27	Nov. 2, 2009	January 31, 2024	104H-071
1007462	Central Red Chris 1	362.51	June 29, 2012	January 31, 2024	104H-071
1007482	Central Red Chris 2	379.85	June 29, 2012	January 31, 2024	104H-071
1018457	NROK-CO-OP	844.25	April 11, 2013	January 31, 2024	104H-081
1018563	NROK-CO-OP3	843.45	April 15, 2013	January 31, 2024	104H-081
1026347	EALUE HOLE	51.79	Feb 28, 2014	Feb 28, 2015	104H-071
1026350	EALUE HOLE 2	34.52	Feb 28, 2014	Feb 28, 2015	104H-071

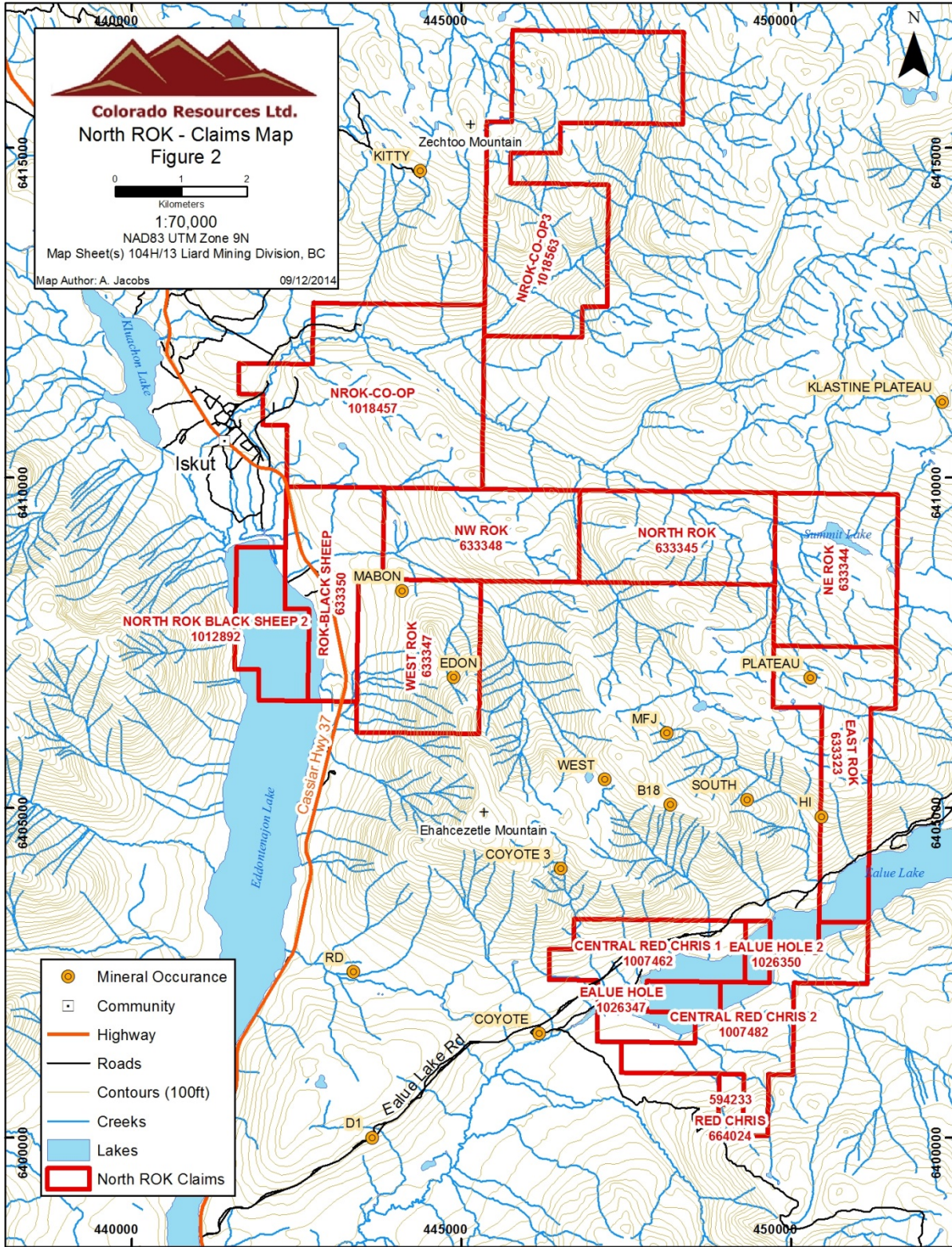


Figure 2: North ROK Property Claims

3.3 Ownership

All fifteen contiguous mineral claims comprising the North ROK property are owned 100% by Colorado Resources Ltd.

3.4 Taxes and Assessment Work Requirements

The mineral claims that make up the North ROK Property are currently in good standing. There are no taxes payable with respect to the property, although standard work assessment requirements will apply to maintain the claims in good standing past the current expiry date.

3.5 Permits and Liabilities

Prior to any work consisting of ground disturbance, a 'Notice of Work' needs to be submitted to the Department of Mines, Energy and Resources branch in Smithers, BC for a permit to be issued. Currently a multi-year area based permit (MX-1-902) has been issued for the North ROK Property that is valid until March 31, 2017. This permit allows Colorado Resources Ltd. to complete the next phase of drilling on the North ROK Property. There are no other known liabilities, environmental or otherwise on ground covered by the North ROK mineral claims.

4.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE, AND PHYSIOGRAPHY

4.1 Access

Access to the North ROK property is usually gained by taking Highway 37, commonly referred to as the Stewart-Cassiar Highway, north from Smithers or by taking a scheduled air flight from Smithers to Dease Lake. Property access to lower elevations is obtainable by truck or car from Highway 37 which passes through the western portion of the property. The extreme southeastern part of the property can be accessed by truck or car from the gravel, Ealue Lake road which passes along the north-shore of Ealue Lake in a north-easterly direction. The upper portions of the property are most easily accessed by helicopter.

4.2 Climate

The climate is northern temperate with moderately warm summers and cold dry winters. Precipitation averages about 40 cm per year. Thick accumulations of snow are common in winter. Fieldwork can normally start at lower elevations in mid-May and at the upper elevations by early to mid-June. Cold weather makes field work challenging at the upper elevations past late September although programs have been carried out until late-October. At the nearby Red Chris project where conditions are similar, drilling programs have been carried out through the entire year.

4.3 Local Resources

Accommodation, meals, and pay phones are available year-round at the Iskut Motor Inn (Eddontenajon), 2 km south of Iskut, and at Tatogga Lake Resort (May – October), 10 km south of Iskut. Both facilities have staging areas suitable for helicopter based exploration activities. Whiskey Creek Eco Adventures, 1.5 km south of Iskut BC operates the Bandstra Transportation Shipping Depot and sells propane.

Iskut Village has a grocery store and Canada Post Office (Kluachon Store) which sells food supplies, gasoline, and diesel. A nursing station is open in Iskut during business hours (Monday through Friday).

Dease Lake, located 85 km north of the North ROK property along Highway 37, has a grocery store (Super-A) where food supplies, gasoline and diesel can be purchased, a Canada Post Office, an RCMP Office, a Medical Center, hotels, restaurants/cafes, an airport, and the Tahltan Nation Band Office.

Both unskilled labourers and skilled personnel trained at the Red Chris Mine, Eskay Creek Mine, and the now closed Snip and Golden Bear Mines are available for work out of Iskut, Dease Lake, and Telegraph Creek.

4.4 Infrastructure

The Stewart-Cassiar Highway (37) passes along the east side of Kinaskan and Eddontenajon Lakes, along the western margin of the North ROK property. Additionally, an abandoned B.C. Railway rail grade and right-of-way is located approximately 13 km due east across the Klappan River. BC Hydro has recently completed the “Northwest Transmission Line”, a 344 km, 287 kV transmission line between the Skeena substation (near Terrace) and a new substation at Bob Quinn Lake. A subsidiary of Imperial Metals (Red Chris Mine) has completed a 93 km extension (“Iskut Extension”) of the Northwest Transmission Line from Bob Quinn Lake to Tatogga.

4.5 Physiography

The irregular shaped North ROK claim group covers ground on the north and east end of the Ehahceztle Mountain “Massif” extending down to Ealue Lake in the extreme southeast corner of the property and to Eddontenajon Lake in the west. The property stretches behind (east) of the village of Iskut, to Zetchtoo Mountain in the north. In the northeast and north central portions of the property, topography consists of gently rolling hills with rugged, steep slopes along deeply incised creek valleys and along the west and south facing flanks of the Massif. The westernmost portion of the property along Highway 37 covers outwash gravels from Mabon Creek and is relatively flat. Elevations vary from about 830 m above sea level along the western edge of the

property where claims extend over Eddontenajon Lake to 1790 m atop the ridge trending north from Ehahcezetle Mountain in the south central part of the property.

Vegetation consists of spruce and balsam forest cover with stands of aspens and scrub conifers at the lower elevations while buck-brush, willow and slide alder are common along the steep-sided, incised creek valleys. At higher elevations dwarf birch, willow and balsam dominate. Above tree line at about the 1370 m elevation contour, alpine grasses and flowers are the predominant vegetation. Glacial overburden and outwash gravels cover significant portions of the of the property on the far west, north and northeast while thick scree slopes are common along the lower slopes of Ehahcezetle Mountain, particularly those facing Eddontenajon Lake, Ealue Lake and along the deeply incised creek valleys.

5.0 HISTORY

5.1 North ROK Property (Colorado Resources Ltd.)

The North ROK property is located in the Stikine River area of north-western British Columbia, a region well known for its sub-alkalic to alkalic plutons, associated porphyry copper-gold mineralization and peripheral gold-silver bearing quartz veins. The current North ROK property and surrounding areas have experienced a fair amount of exploration work since the 1970s (Table 2).

The first recorded exploration work carried out in the area of the North ROK claims dates back to 1929, when eight claims were staked to cover the Klappan (later referred to as Klappan Rose and now the HI) copper occurrence situated along the eastern flanks of Ehahcezetle Mountain. A small adit and several hand-dug pits were excavated in the skarn showing before the claims were allowed to lapse.

A series of surveys were completed on the HI prospect by different operators between 1975 and 1981. Exploration included a ground magnetometer and EM survey, extensive soil sampling, prospecting, geological mapping and the drilling of three diamond drill holes for 202 m (assessment reports 5703, 6124, 6203, 7418, 9556). One diamond drill hole was drilled in 1980 on the ROK-Coyote property by Texasgulf Inc., approximately 785 m southeast of the Edon Minfile showing. This BQ-sized drill hole (RO-1-80) was drilled at an azimuth of 250°, at a dip of -65°, for a total length of 257.9 m as an initial test of the “Edon Stain Zone”. The hole collared in pyritic intrusive porphyry and passed at depth into only weakly altered and pyritized volcanic and volcanoclastic rocks. No economic concentrations of base and precious metals were encountered, however the 91 m interval from 5 m to 96 averaged 125 ppb gold. (Peatfield, 1980).

No additional work was carried out on the current North ROK property area until 1991, when a small geological mapping and geochemical sampling program was conducted on the HI copper occurrence, in addition to a 20 line km ground magnetometer survey. The focus of minimal exploration work through the 1980's and 1990's was on the adjacent ROK-Coyote property now held by Firesteel Resources Inc.

A three year mapping program from 1994 to 1996 by Chris Ash of the British Columbia Geological Survey updated the stratigraphic framework of parts of NTS Map sheets 104G/9 and 104H/12&13, including the area of the North ROK and ROK-Coyote properties. During the mapping program, Ash took a sample of gossanous quartz-sericite-pyrite altered rock with 5-10 % finely disseminated pyrite (sample B5; CAS94-193) which returned 0.42 g/t Au and 0.33 % Cu (Ash et al., 1997b). This resulted in the outcrop being termed the "Mabon" Minfile showing (104H 035). Work completed by Chris Ash is published in Fieldwork 1994 through 1996 as well as in Open File 1997-3 (British Columbia Geological Survey).

Claims in the area held by TexasGulf for nearly 25 years began lapsing in early 2001. Claims were first re-acquired in the area by David Mehner and Adam Travis in March 2002 but no work occurred on them they were optioned to Gravity West in 2006. Gravity West conducted work in the area on their Gin and Eldorado properties but did not conduct any work on the Mabon Property. Claims in the Mabon area were allowed to lapse during the 2008 economic downturn.

In August 2009, Adam Travis, while under the employ of Brett Resources Inc., staked the claims that cover the current Mabon showing. In 2010, Brett Resources carried out a first-pass, reconnaissance style exploration program over the North ROK property consisting of silt sampling, prospecting and contour line controlled rock chip sampling. Silt samples coming from Mabon Creek and drainages off the northern end of the ridge east of Mabon Creek yielded elevated and anomalous copper, gold and molybdenum concentrations. In May 2010 Brett Resources Inc. was acquired by Osisko Mining Corporation and in February, 2011, Colorado Resources made an agreement with Osisko to acquire all of Brett's non-core assets, including the North ROK Property.

In 2012 Colorado Resources conducted exploration on the western claim blocks at North ROK including soil sampling, prospecting/rock sampling, ground magnetometer surveying, and induced polarization surveying. Soil and rock sampling returned elevated and anomalous copper and gold concentrations in the vicinity of the Mabon occurrence. The ground magnetometer survey outlined significant magnetic anomalies underlying and to the west of the Edon and Mabon copper-gold occurrences. Induced Polarization identified a high-chargeability anomaly underlying the Mabon occurrence. The coincident copper-gold geochemical and geophysical

anomalies underlying the historic Mabon showing were the target for the diamond drill program initiated in March 2013.

In 2013 Colorado Resources completed a two-phase, multi-discipline exploration program at North ROK including geochemical soil and rock sampling, geological mapping, geophysical surveying (airborne and ground magnetics and induced polarization), and diamond drilling. This work is documented in Assessment Report 34417, *2013 Geological, Geochemical, Geophysical and Diamond Drilling Report on the North ROK Project* (Dawson and Norris, 2014). Highlights of the 29 hole, 11,448 m drilling program completed in 2013 include 333 m of 0.51 % Cu and 0.67 g/t Au (NR13-001: 2 m-335 m); 402.2 m of 0.28 % Cu and 0.27 g/t Au (NR13-013: 162.6 m-564.8 m); and 177.1 m of 0.30 % Cu and 0.39 g/t Au (NR13-017: 272 m - 449.1 m).

The 2013 drilling program provided the basis for a NI 43-101 compliant mineral resource estimate published in March, 2014 (Rebagliati and Giroux, 2014). The Inferred Mineral Resource using a 0.20 % Copper Equivalent cut-off is 142.3 million tonnes averaging 0.22 % Copper and 0.26 g/t gold which contain 690.30 million pounds of copper and 1.19 million ounces of gold ¹.

5.2 ROK-Coyote Property (Firesteel Resources Ltd.)

Immediately adjacent to the North ROK property (to the south), Firesteel Resources Ltd. owns the ROK-Coyote property, where extensive geological, geochemical, and geophysical surveys have been completed since the 1970's (Table 2). Limited percussion and diamond drilling has been completed in the area of the MFJ Minfile prospect (previously known as the Rose of Klappan). A compilation of the exploration history of the ROK-Coyote property is well documented in the 2006 Technical Report by G.R. Peatfield, for Firesteel Resources Inc.

In 2009 and 2011, Brett Resources on behalf of Firesteel Resources Inc. carried out an IP and ground magnetic survey followed by soil and rock sampling over the Coyote showing grid (Mehner and Travis, 2010).

¹ Note an 'Inferred Mineral Resource' is that part of a Mineral Resource for which quantity and grade can be estimated on the basis of geological evidence and limited sampling and reasonably assumed, but not verified, geological and grade continuity. The estimate is based on limited information and sampling gathered through appropriate techniques from locations such as outcrops, trenches, pits, workings and drill holes.

Due to the uncertainty that may be attached to the Inferred Mineral Resources, it cannot be assumed that all or any part of an Inferred Mineral Resource will be upgraded to an Indicated or Measured Mineral Resource as a result of continued exploration. Confidence in the estimate is insufficient to allow the meaningful application of technical and economic parameters or to enable an evaluation of economic viability worthy of public disclosure. Inferred Mineral Resources must be excluded from estimates forming the basis of feasibility or other economic studies.

5.3 Additional Properties

At the northern margin of the current North ROK property boundary, work has been completed on the Kitty/Fife Minfile showing, often referred to as the Zetu Creek property (Table 2). Several trenches were excavated prior to 1976. Work completed on the property in 1990, 1991 and 2010 consisted of sampling the historic trenches, geological mapping, prospecting and limited soil sampling.

The Copau property and Copper 246 Claim, occur east of the North ROK property and have experienced minimal exploration. On the Copau property (B31 Minfile showing) minor geophysics and prospecting have been conducted. Minimal geochemical sampling was completed on the Copper 246 Claim and it was allowed to lapse in 2007.

Table 2: History of Exploration on and around the North ROK Property

Year Work Completed	Owner	Nature of Work	Assessment Report #
<i>North ROK Property (Mabon, Edon, HI, Plateau Minfile Showings)</i>			
1975	J. Schussler	Geophysical: EM-16 and magnetometer surveys	5703
1976	J. Schussler	Diamond Drilling: 3 holes, 202 m	6124
1976	J. Schussler	Geochemical: 529 soils, grid establishment	6203
1979	J. Schussler	Geochemical: 198 soils, 15 rocks	7418
1981	Keystone Exploration Ltd.	Geological: 1:5000 mapping, and 1:500 mapping Geochemical: Trenching (9 m ³), 178 soils	9556
1991	Kylite Ventures	Geological: mapping; Geochemical: 59 rocks Geophysical: 20 km ground mag	21889
2010	Brett Resources	Geochemical: 31 silt, 14 rocks, 211 contour chips	31817
2012	Colorado Resources Ltd.	Geochemical: 496 soils, 82 rocks Geophysical: 37 km ground mag, 10.3 km IP	33541
2013	Colorado Resources Ltd.	Geochemical: 1570 soils, 14 rocks Geological: mapping over 10 km ² , 1200 stations Geophysical: 101 km ground mag, 69 km IP, 154 km airborne Drilling: 29 holes (NQ), 11,445 m	TBD
<i>ROK-Coyote Property (MFJ, South, West, B18, Coyote, Coyote3, RD, D1 Minfile Showings)</i>			
1970	Yukonadian Mineral Exploration Ltd.	Geological: Reconnaissance mapping Geochemical: 18 stream sediments, 36 soils	3128
1975	Texasgulf Canada	Geochemical: 450 soils Geophysical: 4 km ground mag and IP Percussion Drilling: 5 holes, 293 m	5739
1976	Texasgulf Canada	Trenching; Diamond Drilling: 9 holes, 444 m	6093

Year Work Completed	Owner	Nature of Work	Assessment Report #
1976/1977	Texasgulf Canada	Geochemical: 148 soils, 13 trench samples Geophysical: Gradient array IP	6511
1979	Texasgulf Canada	Geochemical: Re-analysis of 1976/1977 samples	7375
1979	Texasgulf Canada	Geophysical: IP, 3.66 km	7517
1980	Texasgulf Canada	Diamond Drilling: 1 hole, 257.9 m	8481
1982	Kidd Creek Mines Ltd.	Geological: 1:5000 mapping Geochemical: 15 rock chips, 2 soils	10736
1987	Manchester Resources	Geological: 1:2000 mapping Geochemical: 904 soils, 23 rocks Geophysical: 30 km ground mag	17316
1990	Manchester Resources	Geochemical: 66 silt, 290 soil, 44 rocks Geophysical: 2.5 km IP Diamond Drilling: 3 holes, 373.69 m	20689
1991	Manchester Resources	Geochemical: 145 rocks, 832 soils; Trenching: 1052m Geophysical: 10 km ground mag, VLF-EMT, IP Diamond Drilling: 5 holes, 715 m	21901
2004	Firesteel Resources	Geochemical: 26 rocks/chips, 120 soils	27563
2005	Firesteel Resources	Geophysical: 76.5 km heli-mag and radiometric survey	28259
2005	Firesteel Resources	Geophysical: 611 km heli-mag and radiometric survey	28283
2006	Firesteel Resources	Technical Report (NI 43-101) report on previous work	
2009	Firesteel Resources	Geochemical: 378 soils, 136 rocks Geophysical: 23.5 km ground mag and IP	31462
2011	Firesteel Resources	Geochemical: 885 soils, 8 rocks, 31 MMI Geophysical: 26.3 km ground mag	33117
Zetu Creek Property (Kitty/Fife Minfile Showing)			
1990	West Pride Resources	Geochemical: 17 rocks, 16 silts	21416
1991	West Pride Resources	Geochemical: 51 rock/chips, 573 soils, 45 silts	21760
2010	Solitaire Minerals Inc.	Geochemical: 28 rocks, 218 soils, 21 silts	32023
Copau Property (B31 Minfile Showing)			
2011	Robin C. Day	Petrology: 3 samples Geophysical: 9.3 km ground mag	32960
2012	Robin C. Day	Geophysical: 11.5 km IP	33292
Copper 246 Claim (518645, lapsed Aug 45, 2007)			
2006	Amarc Resources Ltd.	Geochemical: 15 rocks, 19 silt, 15 moss mat	28596

6.0 GEOLOGICAL SETTING AND MINERALIZATION

6.1 Regional Geology

The North ROK property is located in the north-east part of the Stikine Arch, within Stikine Terrane (“Stikinia”) of the Canadian Cordillera. The regional geology (Figure 3) as mapped by Souther (1972) and Ash et al. (1995; 1996; 1997a; 1997b), is characterized by Early Mesozoic with minor Late Paleozoic island arc volcanic rocks intruded by coeval, sub-volcanic stocks, plugs, sills and dykes. Within the area, rocks have been subdivided into the Late Paleozoic Stikine, Late Triassic Stuhini and Early to Middle Jurassic Hazelton Groups. The Stuhini Group is dominated by deep submarine sediments and alkalic to sub-alkalic, augite phyric basalts and basaltic volcanoclastic rocks. In contrast, the unconformably overlying Hazelton Group is dominated by sub-aerial volcanic and volcanoclastic rocks that range from basalt through andesite to rhyolite. Unconformably overlying the Triassic Stuhini and Jurassic Hazelton rocks to the southeast are chert pebble conglomerate, grit, greywacke and siltstone of the Middle Jurassic Bowser Lake Group (Ash et al., 1997a).

Transecting the Upper Triassic to Middle Jurassic assemblage are a distinctive suite of massive, flow-banded and locally spherulitic rhyolites and associated pyroclastics that have been variously interpreted as Lower Jurassic (Read, 1984) or Upper Cretaceous to Lower Tertiary (Souther, 1972) in age. Capping the stratigraphy at the higher elevations are Upper Tertiary and Pliocene to Recent basalt and olivine basalt flows, commonly exhibiting excellent columnar jointing.

The suite of intrusive rocks common in the region including those associated with copper-gold mineralization at the nearby Red Chris and GJ porphyry copper-gold deposits, range in age from Late Triassic to Early Jurassic (205 to 195 Ma). The intrusions are commonly diorite to monzonite in composition but include quartz diorite, quartz monzonite and monzodiorite. They are typically fine to medium grained, equigranular to porphyritic. A published U-Pb age for the Red Stock which hosts the Red Chris deposit is 203.8 ± 1.3 Ma whereas ages of 205.1 ± 0.8 Ma, 206.25 ± 0.39 Ma, and 206.81 ± 0.65 Ma have been obtained from the Groat Stock which is associated with copper-gold mineralization at the GJ deposit (Peatfield, 2006; Mehner, 2007). Hornfels andesite adjacent to the Edon Stock has yielded a date of 198.5 ± 2.7 Ma.

Younger intrusive suites include alkali-granite to felsite dykes that range from a few metres to over a km in width, and are coeval with felsic volcanic rocks in the upper volcanic sequence of the Hazelton Group. U-Pb zircon age dates (Ash et al., 1997b) were reported from an alkali-granite dyke ($180.0 +10.1/-1.0$ Ma) and massive fine-grained quartz porphyritic rhyolite ($181.0 +5.9/-0.4$ Ma) within the Hazelton sequence.

Major regional faulting associated with Middle Cretaceous and Tertiary tectonism has had an impact on regional structure. In the area of the North ROK property, the inferred west-southwest striking Ealue Lake Fault is the largest and most significant structural feature. To the north the rocks are dominantly andesitic volcanoclastics with a minor flow component. A strong northwest fabric defined by bedding, faulting and felsite dyke swarms dominates. To the south of the Ealue Lake Fault, dykes and faulting typically strike east-northeast, felsite dykes are absent, and zones of intense secondary ankerite-iron magnesite alteration are common.

The Stikine Arch is a structural domain known for hosting Late Triassic – Early Jurassic, quartz deficient alkalic and sub-alkalic intrusive rocks with associated porphyry copper-gold or precious metal vein systems. Some of the more significant systems of this type in the immediate region include:

- Red Chris, owned by Imperial Metals Corporation, contains reserves of 301 million tonnes at 0.359 % Cu, 0.274 g/t Au, a measured and indicated resource of 936 million tonnes grading 0.374 % Cu, 0.385 g/t Au, and 1.224 g/t Ag and an inferred resource of 871 million tonnes grading 0.315 % Cu, 0.349 g/t Au, and 1.138 g/t Ag, using a 0.30% Cu-equivalent cut-off (Gillstrom et al., 2012).
- GJ, where NGEEx Resources Inc. (formerly Canadian Gold Hunter Corp.) have published measured and indicated resources at the Main and North Donnelly Zones of 153.3 million tonnes grading 0.321 % Cu and 0.369 g/t Au (at 0.20 % Cu cut-off), plus inferred resources at 23 million tonnes grading 0.26 % Cu and 0.31 g/t Au (Mehner et al, 2007). The property is currently under an option agreement with Teck Resources.
- Galore Creek, where a proven and probable reserve of 528 million tonnes grading 0.6 % Cu, 0.32 g/t Au, and 6.02 g/t Ag has been reported, with a measured and indicated resource estimate of 286.7 million tonnes grading 0.33 % Cu, 0.27 g/t Au and 3.64 g/t Ag (Gill et al., 2011).
- Schaft Creek, under a Joint Venture between Teck Resources (75%) and Copper Fox Metals (25%), contains proven and probable mineral reserves of 940.8 million tonnes at 0.27% Cu, 0.19 g/t Au, 0.018% Mo, and 1.72 g/t Ag (Farah, et al., 2013).

6.2 Property Geology

The observations and discussion of the geology, structural interpretations, mineralization, and alteration discussed below are summarized from an internal company report prepared by Dr. James Oliver (Oliver, 2013) (Figure 4).

6.2.1 Stratigraphic Supra-crustal Relationships

Edziza Ash Falls (<7000 to 1300 a, Qt)

The youngest supra-crustal rocks within the project area are related to the Mount Edziza eruptive event. The ash falls are identified along the banks of Mabon Creek where they may reach several metres in thickness and consist of well stratified glassy fragments and de-vitrified fragments. These weakly consolidated ash flow beds overlie coarse glacial deposits. These units are below the resolution of the generalized geological plan.

Glacial Fluvial Deposits (Qal)

Much of the low-land areas on the North ROK property are covered by weakly to non-stratified glacial fluvial sediments. These units form well developed outwash terraces and benches which approach 50 m in thickness. The development of post-glacial ash falls and the presence of abundant unconsolidated glacial sediments pose significant challenges to both geochemical and geophysical interpretations at lower elevations in the North ROK area.

6.2.2 Supra-crustal Rocks: lower Jurassic to upper Triassic

Epiclastics (IJMEC)

Thick, poorly bedded, poorly sorted mafic epiclastic rocks are commonly identified on the higher flat topped hills north of Mabon creek. These rocks exhibit highly variable magnetite signatures, potentially due to the presence and accumulation of detrital magnetite grains.

Mafic to Intermediate Crystal Tuff (It-uTit)

Much of the stratigraphy exposed on the on the large cliff forming outcrops on the north side of Mabon Creek consists of a thick section of reddish weathering, crowded crystal tuff.

The abundance of coarse grained epiclastic rocks, fine grained feldspathic crystal tuffaceous rocks, and lesser volcanoclastic rocks north of Mabon Creek closely corresponds to the stratigraphic section documented by Ash et. al., (1996, 1997a, 1997b) and Gagnon et al. (2012) and is interpreted as the lowest portion, or “Red Tuff” member of the lower Hazelton formation. Upper Triassic Intermediate tuffs may occur at lower stratigraphic levels.

Mafic Fragmental Rocks – Lesser Flows (IJMI, IJMf, uTMI)

Dark green weathering mafic fragmental rocks are identified in drill core and are exposed along the extreme northeastern corner of the Mabon Stock near the northern border of the ROK Property. These are typically less than 10 m in thickness, are non-vesicular and never exhibit pillowed forms. Mafic flows never exhibit flow laminations. Upper Triassic mafic fragmental rocks may occur at lower stratigraphic levels.

Felsic Flows (JFf)

Felsic flows are located at, or near, the base of the lower (early?) Jurassic section. Their presence is only known from repeated borehole intersections over strike lengths exceeding 1.5 km. These rocks have well developed autogenous flow breccias with the breccias often in-filled by black silica.

Monolithologic Mafic Fragmental – Intermediate Ash Tuff Mafic to Intermediate Crystal and Lithic Tuffs (uTMT, uTIt)

Monolithologic mafic fragmental rocks comprise the thick cliff forming faces on the southern property boundary between the North ROK and ROK (Firesteel) claim groups. These rocks are commonly extensively QSP (quartz-sericite pyrite) altered and primary textural preservation is limited.

6.2.3 Intrusive Rocks: Mid Jurassic Intrusions

Felsic Dykes (JFd)

Narrow felsic dykes are occasionally noted in drill core, most often plugging clay rich structural zones. These intrusions are light cream to white in color and contain less than 2 % mafic mineral phases. The dykes contain sporadic pyrite grains, but current analytical data suggests that they are not gold or copper mineralized and are substantially post-mineral dykes.

Monzodiorite Plagioclase Porphyritic (JMdp)

Plagioclase porphyritic monzodiorite rocks are characterized by the appearance of large, blunt, euhedral plagioclase grains which are embayed in a fine grained dark brown matrix. Locally coarser grained biotite phenocrysts are also recognized. This intrusion contains no free quartz. These rocks are only identified in drill core, and are below the resolution of Figure 4.

6.2.4 Intrusive Rocks: Upper Triassic Intrusions

Monzodiorite (uTMD)

The dominant intrusive phase at North ROK is a fine grained monzodiorite intrusion. Magnetite is the sole oxide phase and small 0.25 mm to 0.5 mm euhedral magnetite grains are common.

A U-Pb age date (on zircon) for this unit produced a result with two definitive age groupings including an “old” date which has likely been influenced by inherited zircon at approximately 350 Ma and a much more concordant date of 215.8 +/- 3.0 Ma. Dependent on interpretation, the age of the Mabon Stock may be effectively contemporaneous or slightly older than the Red Stock, the main host to mineralization at the Red Chris deposit. Regardless of interpretation, the age of the Mabon Stock lies well within the late Triassic magmatic interval that also characterizes the age of the alkalic Galore Creek porphyry copper-gold system (210 +/- 3.0 Ma)

and the calc-alkalic Shaft Creek porphyry copper-molybdenite system, 220 Ma (Mortensen et al., 1995, Logan et al., 2000).

Monzodiorite – Melanophase (lJnMD)

Monzodiorite rocks which have higher and much finer grained mafic contents are locally mapped on surface and are commonly identified in drill core. These rocks differ from the main stage monzodiorite (MD) as in the melanophase monzodiorite (mMD) the matrix has been extensively overprinted or contains much higher volumes of fine grained biotite ± hornblende.

Hornblende and Plagioclase Phyric Monzodiorite (lJMDh)

Hornblende and plagioclase phyric monzodiorite intrusions are late mineral dykes which form less than 3 % of the intrusive rock mass at North ROK. Copper-gold grade relationships generally decrease within these late mineral intrusions, virtually all of which are less than 20 m in true width.

6.3 Structural Interpretations

Rocks throughout the North ROK property are affected by large scale, open folding or warping and significant, high angle brittle faulting. Local variations in dip are likely due to intrusive doming and fault disruptions. Regionally the volcanic rocks seem to form a broad open syncline (most evident south of the Ealue Lake Fault) around northwest striking axis but later faulting has disrupted this considerably.

The most significant fault on the property is the northwest striking Mabon/Hoodoo Creek Fault which appears to have dissected the ROK volcanic centre on the adjoining ground to the southeast. Although the sense of movement is unclear, it has been speculated (Peatfield, 2006) the fault is a normal, right-lateral fault with 2 km to 4 km of displacement and as much as 1000 m down-throw to the northeast. A northwest striking fault has also been mapped along the western boundary of the Edon Stock while a west-northwest striking fault is postulated to run along the Summit Creek Valley.

6.4 Mineralization

Prior to the 2012 exploration program at North ROK there were several historical mineral occurrences on the property. These include:

- The HI copper occurrence in the eastern portion of the property where mineralization is of the skarn variety and consists of semi-massive chalcopyrite with pyrite, minor magnetite and supergene malachite. Mineralized shear zones are developed within andesite to dacite tuffs and limestone adjacent to a 10-20 m thick syenite sill. Mineralization is generally copper-rich and gold-silver poor, with a 2 m chip sample reporting 1.17 % Cu (Keyte and Cukor, 1981).
- The Plateau copper occurrence in the northeast corner of the property, where a 3 m x 5 m mineralized area is exposed in a near-vertical, northeast facing rock face. Chalcopyrite

and pyrite mineralization form as fine stringer veinlets and fine to locally coarse disseminations in polymictic volcanic lapilli tuff breccia. In 2010, chip samples reported up to 2,814 ppm Cu (Mehner and Dunlop, 2010).

- The Edon copper-gold occurrence at the southern margin of the western portion of the property, where a 1 km x 1.5 km gossan of strong pyrite and quartz alteration occurs within a well-developed zone of propylitic alteration marked by chlorite, epidote, and pyrite. Chalcopyrite and molybdenite have been reported in the area (Mehner and Dunlop, 2010). In 2013, 4 holes (1398.72 m) were drilled to test the Edon Showing.
- The historical Mabon copper-gold occurrence was discovered by Chris Ash in 1997 on the northern flank of Ehahcezetle Mountain, south of Mabon Creek, where a sample of quartz-sericite-pyrite altered rock which reported 0.33 % Cu and 0.42 g/t Au (Ash et al., 1997b).

In 2012 and 2013, the extensive Mabon mineralized alteration zone (Mabon Zone) was the subject of a major multi-discipline exploration program by Colorado Resources. This work has demonstrated that there are two principle types of porphyry copper-gold mineralization in the North ROK deposit. Within the main monzodiorite intrusion, chalcopyrite occurs as fine grained disseminations and aggregates associated within hydrothermal magnetite, secondary potassium feldspars, actinolite and chlorite. The highest copper-gold grades commonly have a spatial relationship to both magmatic hydrothermal breccias and to sheeted grey quartz veins. Approximately 90 %, of the copper-gold mineralization in the North ROK deposit is hosted internal to the Mabon Stock.

Within volcanoclastic rocks external to the intrusion, copper-gold mineralization is locally developed a few 10's of m into the strongly biotite hornfelsed volcanoclastic rocks where the mineralization has a weaker affinity for potassic alteration and a slightly stronger affinity for a quartz-pyrite-chlorite ± epidote alteration assemblage.

6.5 Alteration

The Mabon Stock is imprinted by well-defined zoned hydrothermal and contact metamorphic alteration assemblages. The alteration zones from: (high temperature) potassic alteration → quartz-(sericite)-pyrite (phyllic) → epidote → chlorite (low temperature). A well-developed early biotite hornfels alteration assemblage is documented along the northeastern flank of the Mabon intrusion. The mapped size of this alteration zone, a minimum of 1500 m x 3000 m, significantly exceeds the size of the currently known zones of copper-gold mineralization.

7.0 DEPOSIT TYPES

The Mabon Zone represents an upper Triassic alkalic porphyry copper-gold system, where mineralization is predominately hosted in an elongate, 3000 m x 1000 m fine grained, quartz-

deficient plagioclase phyric monzodiorite intrusion, the Mabon Stock, dated at 215.8 +/- 3 Ma. The alkaline suite of porphyry deposits contains a subgroup that is temporally restricted to Early Mesozoic Quesnel and Stikine terranes of BC (Barr et al., 1976, and Lang et al., 1995), which is characterized by deposits:

- Associated with alkalic igneous rocks;
- With a metal assemblage of copper-gold-silver and no significant molybdenum;
- With distinctive alteration, including assemblages characterized by sodium- and calcium-bearing minerals accompanied by magnetite-rich potassic alteration and typical propylitic alteration, with a near absence of sericitic (phyllic), argillic and advanced argillic assemblages.

On the basis of these and other characteristics the North ROK deposit is considered to represent an alkalic porphyry deposit, with the following features:

- Lack of free quartz (quartz-deficient);
- Copper-gold metal signature (no significant molybdenum);
- Development of strong magnetite-rich potassic and potentially calc-potassic alteration assemblages associated with copper-gold mineralization.

Petrological observations of a limited number of samples indicate that the intrusions of the Mabon Stock are plagioclase phyric with minor hornblende and no to trace free quartz. Petrological observations on two samples of volcanoclastic sediments indicate they represent a fine-grained feldspar crystal tuff with a minor amount of fine-grained detrital quartz. Limited petrochemical data on the intrusive and volcanoclastic samples plot the rock samples in the syenomonzonite-syenodiorite field, however this shift in rock composition may be a function of the volume of secondary potassium feldspar within strongly potassically altered monzodiorite.

Due to the relatively early stage of exploration at North ROK, the geological model and exploration concepts will continue to be developed as future programs progress. At this stage the understanding of the Mabon Zone at North ROK indicates that the highest copper and gold grades are associated with a potassic alteration assemblage of intense potassium feldspar associated with locally significant magnetite, quartz, and lesser amounts of actinolite, chlorite, epidote, biotite, garnet, and diopside. To date the magnetic and induced polarization surveys have been relatively successful in guiding the exploration program to mineralized areas that are strongly magnetic and moderate to strongly chargeable. Future drill targets have been identified on the North ROK property in areas of thick glacial cover on the basis of compelling magnetic and chargeable geophysical signatures, where no geochemical signatures have been obtained. Geological, geophysical, and structural observations and interpretations of future drilling programs will greatly benefit the ongoing exploration model at North ROK.

8.0 2014 EXPLORATION

The 2014 exploration program at North ROK consistent of 9 km of IP surveying in 3 north-south oriented lines and 2,191 m of drilling in 5 holes. The program began on May 2 and was completed on June 15.

8.1 IP and Magnetic Survey

The 2014 IP survey consisted of three 1 kilometre lines spaced 200 m apart located on the western part of the larger survey completed in 2013 (Figure 5). The lines were oriented in a north – south direction, perpendicular to the east – west lines completed in 2012 and 2013. The intent of the survey was to provide more definition to the weak to moderate chargeability feature that extends to the northwest from the main body of mineralization identified in drilling at the Mabon Zone.

The IP survey confirmed that a 200 m wide lobe of greater than 15 mV/V chargeability extends for about 1100 m northwest of the Mabon zone. At the northwest end of the lobe there is a 50 by 75 m area of greater than 20 mV/V chargeability. This chargeability response could represent porphyry style mineralization at depth and remains an untested drill target.

The newly collected magnetic data confirmed the magnetic features identified in 2013.

A logistics report for the IP and magnetometer surveying is included in Appendix IV

8.2 Drilling Program

The 2014 five hole, 2,191 m Phase I drill program followed the recommendations of the NI 43-101 report to target the expansion of the known inferred resource and drill tested kilometre scale geophysical anomalies that cluster around the existing inferred resource. The location of the 2013 and 2014 drill collars are illustrated on Figures 5 and 6, and the 2014 drill results are compiled in Table 3. All mineralized intervals are drill indicated widths as the precise orientation of the mineralized zone relative to the drillhole orientation has not yet been conclusively defined.

Drill logs, drill hole location data and assay certificates are included in Appendix II. Schematic sections of the drill holes and a 1:5000 scale drill hole location map are compiled in Appendix V.

Table 3: 2014 North ROK Drill Results

Hole	Collar Azimuth	Dip	Total Depth (m)	From (m)	To (m)	Interval (m)	Cu %	Au g/t	*Cu EQ %
NR14-030	40	-45	303.3	No Significant Results					
NR14-031	40	-45	450.5	308.5	388.9	80.5	0.442	0.124	0.520
NR14-032	40	-65	415.8	277.4	415.8	138.4	0.111	0.088	0.167
includes				293.7	332.6	38.9	0.265	0.238	0.415
NR14-033	220	-65	419.1	No Significant Results					
NR14-034	32	-45	602.6	379.5	578.5	199.0	0.210	0.416	0.473
includes				424.5	560.5	136.0	0.267	0.564	0.623
includes				448.5	548.9	100.4	0.314	0.736	0.779
<p>*Cu EQ (copper equivalent) has been used to express the combined value of copper and gold as a percentage of copper and is provided for illustrative purposes only. No allowances have been made for recovery losses that may occur should mining eventually result. Copper equivalent calculations herein use metal prices of US \$3.00/lb of copper and US \$1,300 per troy ounce of gold using the formula $CuEQ = (Cu\% + (Au\ g/t * 0.632))$.</p>									

The 2014 Phase I drill program succeeded in:

1. Intersecting new mineralized zones at the West Mabon Zone, associated with 1.5 km long untested IP chargeability anomalies with DDH NR14-031 returning 82.5m of 0.122 g/t Au and 0.432% Cu. Current technical data indicates that unlike the sub-vertically dipping North ROK Main Zone, the West Mabon zone has an apparent 45 degree southwest dip (Figure 12) which creates significant exploration potential along the western margins of the IP chargeability over a distance of more than 1.5 km from DDH NR14-034 to the Edon mineral occurrence.
2. Demonstrating significant depth potential and continuity of gold-copper mineralization over 250 metres below mineralization in DDH NR13-001 with DDH NR14-034 returning 172 m of 0.46 g/t Au and 0.23% Cu, including 100.35 m of 0.736 g/t Au and 0.314% Cu (Figure 13). Copper – gold grades within selected intervals of both DDH NR14-034 and DDH NR13-001 approach that which would be permissive to bulk underground mining. The strength of these copper-gold mineralized zones are continuing to depths exceeding 400 m below surface.
3. Defining the broad, deposit scale geometries and controls on mineralized zones. The presence of a second mineralized zone with a modest southwest dip, when linked to the vertically orientated Mabon Zone, may (i) significantly increase the preferred target area and net tonnage of mineralized rock and (ii) significantly decrease the overall strip ratio of any potential open pit development.

The existence of a southwest dipping mineralized zone in the West Mabon area suggests that the results of drilling in the Edon occurrence area, DDH's NR13-010, 13-15 and 13-18 may

require re-evaluation. All of these drill holes were collared on 220° azimuths and drilled at -45° dips. These drill holes could have potentially missed southwest dipping mineralization similar to the newly discovered West Mabon Zone. Similarly, DDH NR13-012 which was drilled at an azimuth of 220° and a dip of -45° would not have been favorably orientated to intersect southwest dipping mineralization like the West Mabon Zone.

Drill testing of the North Mabon chargeability anomaly (DDH NR14-030) and tests of the extreme northeastern flank of the Mabon mineralized zone (DDH NR14-033) produced no significant results. A modest copper-gold intersection was obtained while targeting fault offset mineralization with DDH NR14-032 coring 38.9 m of 0.265% Cu and 0.238 g/t Au between 293.7 and 332.6 m.

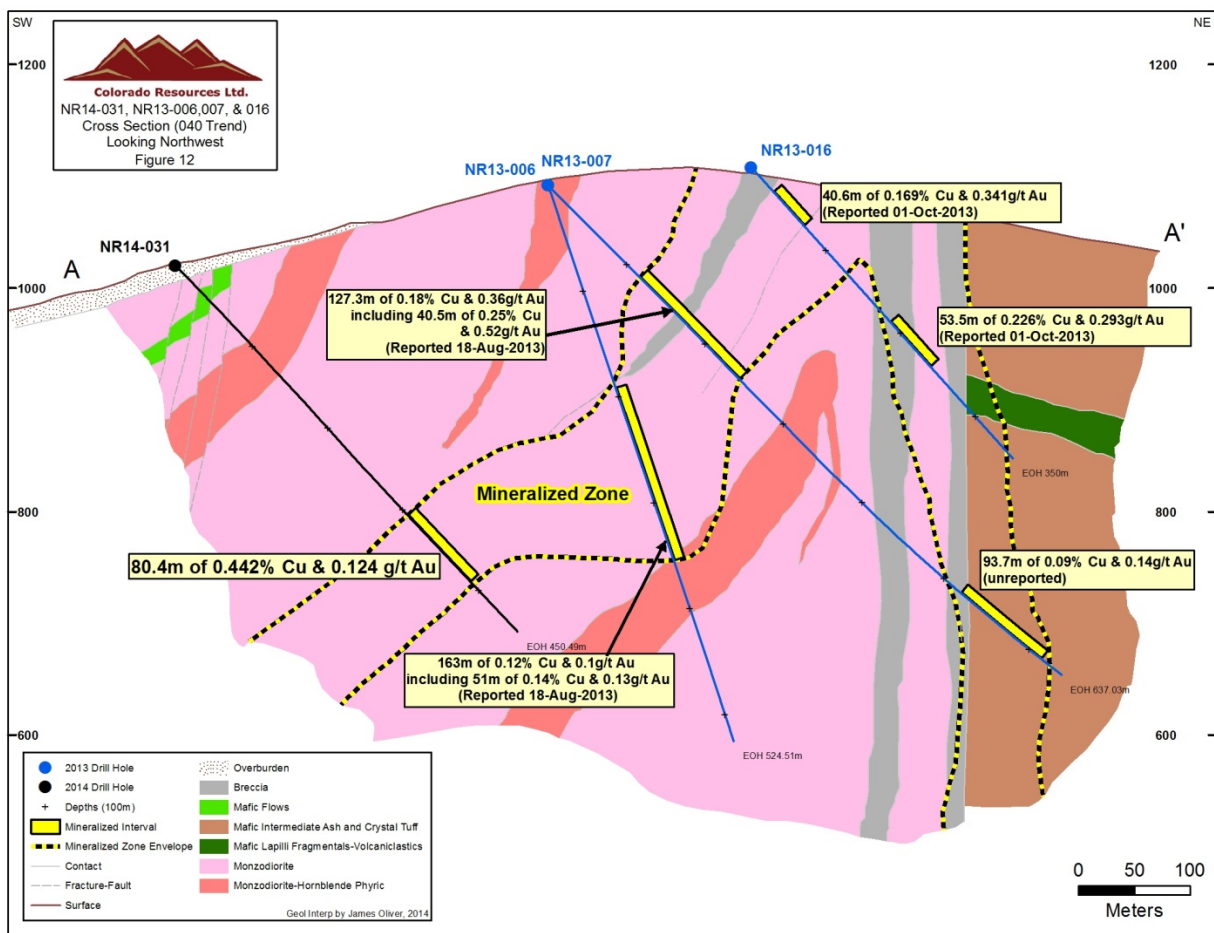


Figure 12: Cross Section A – A’

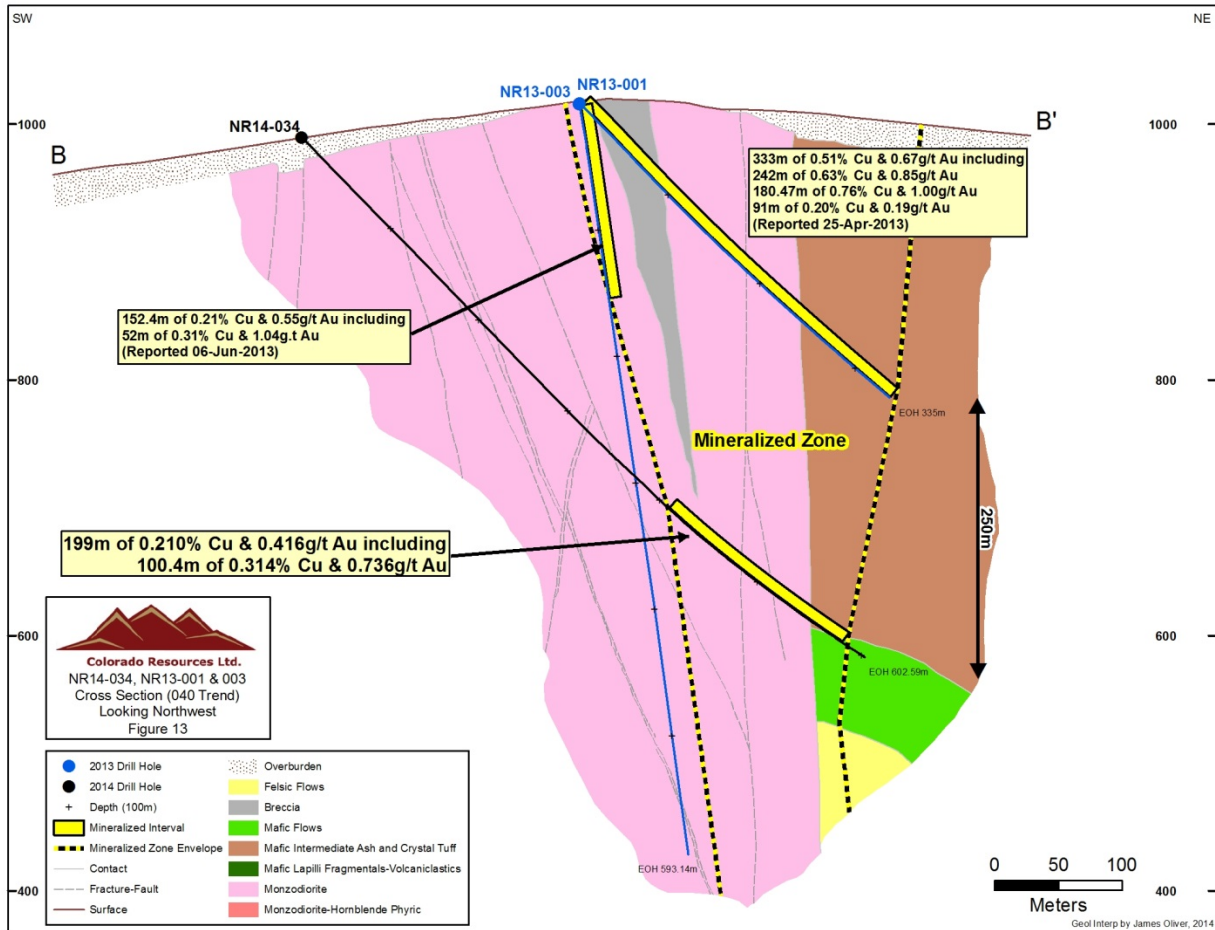


Figure 13: Cross Section B – B'

9.0 SAMPLE PREPARATION, ANALYSES, AND SECURITY

The sample preparation, analyses and security discussed below refers to the 2014 exploration program. The procedures followed during the 2014 drilling program are in compliance with National Instrument 43-101 accepted protocols and all sampling handling was carried out by Colorado Resources Ltd employees or contractors. No sample preparation was conducted by an employee, officer, director or associate of the issuers.

9.1 Field Sample Preparation and Collection Methods

Drill core sample intervals were laid out and recorded by the logging geologist on site. Samples were primarily taken as 2 m to 3 m intervals. Samples were not taken across major lithologic boundaries. Sample locations and associated sample numbers were marked on the core using a red grease pencil. Pre-numbered, three-part, sample analytical tags (provided by Acme Analytical Labs) were filled out with the appropriate information (Project, Drill Hole Number,

Sample Interval, Date, Geologist) and stapled into the core boxes at the start of each sample. All drill core was sampled, top to bottom, where bedrock core was recovered.

Drill core was cut using a Pothier Enterprises electric core cutting saw. Sample intervals were sawn in half, with one-half being placed in a poly-ore bag, pre-labelled with the associated sample number. The corresponding sample number tag was placed in the bag with the sample, with one remaining sample tag being left stapled to the core box at the appropriate location. The remaining half of sawn drill core was placed back into the core box. Care was taken to ensure that the same half of the core was sampled for an entire sample interval to maintain sample consistency. Sample bags were sealed with zip-ties and set aside for bagging prior to shipment to the analytical laboratory.

9.2 Analytical Laboratory Certification

Colorado Resources Ltd. 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. For the 2014 exploration program, Colorado Resources used Acme Analytical Laboratories of Vancouver BC for all geochemical and assay analysis.

Acme Analytical Laboratories implemented a quality system compliant with the International Standards Organization (ISO) 9001 Model for Quality Assurance and ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories. On November 13, 1996, Acme became the first commercial geochemical analysis and assaying lab in North America to be registered under ISO 9001. The laboratory has maintained its registration in good standing since then. Vancouver expanded the scope of its registration to include the Smithers preparation facility in June of 2009.

9.3 Laboratory Sample Preparation Methods

All sample preparation was conducted by Acme Analytical Laboratories Ltd. at their preparation facilities in Smithers, BC. Diamond drill core samples (half-core) were crushed, split, and pulverized (250g) to produce an 80 % minus 200 mesh sample (Acme Preparation Code RP70-200).

9.4 Sample Analyses

Assay analyses on drill core were conducted by Acme Analytical Laboratories Ltd. in Vancouver, British Columbia. Drill core samples were analyzed by the AQ200 and FA430 methods. 'AQ200' analyzes a 0.5g sample split by leaching it in hot (95°C) Aqua Regia and

analyzing the solution by ICP-MS. Analytical package ‘FA430’ analyzes a 30g sample split, analyzing the sample by Fire Assay (for gold only) with an AA (atomic absorption) finish.

Additionally, automatic over-limit analyses of drill core samples were selected for copper and gold. For copper, all samples reporting >2000 ppm by the AQ200 method, were re-analyzed by the ‘AQ370’ package. The ‘AQ370’ package is a 1:1:1 Aqua Regia digestion with an ICP-ES finish.

9.5 Sample Security

Drill core samples were placed in sealed poly-ore bags, clearly labeled with the sample number. Samples were then placed in sealed and labeled polyfiber bags, and were then transported by Bandstra Transportation Systems to the Acme Analytical Laboratories Ltd. preparation facility in Smithers, BC. At all times the samples were under complete control of Colorado Resources Ltd employees or contactors. The assay laboratory catalogues all samples and assures a complete chain of custody of each sample through the analytical process.

9.6 Sample Quality Control and Quality Assurance

Colorado verified the core sample results using an industry standard QA-QC program that involved collecting field duplicates and inserting standard and blank control samples into the sample stream at a total frequency of 8 %. Primary samples and field duplicate samples are each one-quarter core samples of the same sample interval, with a half-core left in the core box. Standard reference material was supplied by Canadian Resources Laboratories while the blank material was a white limestone bought at a garden supply store in Smithers.

The control sample scheme is detailed in Table 4. QA-QC results and Standard Reference Material certificates are included in Appendix III.

Table 4: QA-QC Sample Scheme

Sample Number	Standard Type
xxxx00	standard
xxxx20	Standard
xxxx25	Duplicate
xxxx40	Standard
xxxx50	Blank
xxxx60	Standard
xxxx75	Duplicate
xxxx80	Standard
xxxx90	Blank

In addition to the QA/QC program used by Colorado Resources, Acme Laboratories routinely utilizes standards and duplicate analysis of samples as part of their quality assurance procedures. The Acme QA/QC procedures include sample preparation blanks, pulp duplicates to monitor analytical precision, reagent blanks to measure background, and aliquots of in-house reference material.

10.0 INTERPRETATION AND CONCLUSIONS

The 2014 drill program followed the recommendations of the 2014 NI 43-101 report to target the expansion of the known inferred resource and to drill tested kilometre scale geophysical anomalies that cluster around the existing resource.

The drill program succeeded in:

1. *Intersecting new mineralized zones, the West Mabon Gold-Copper Zone, associated with untested IP chargeability anomalies with DDH NR14-031 which cut **82.5 m of 0.122 g/t Au and 0.432% Cu between 306.4 and 388.9 m.***

A new and previously unrecognized copper and gold mineralized zone is spatially associated with the West Mabon IP chargeability anomaly. This anomaly was tested by a single drill hole, DDH NR14-031 (Figure 2). Current technical data indicates that unlike the sub-vertically dipping North ROK Main Zone, the West Mabon zone has an apparent 45 degree southwest dip (Figure 3). Copper and gold mineralization in DDH NR14-034 is spatially identified to be flanking the West Mabon chargeability anomaly. The chargeability anomaly, which has now been successfully tested by a single drill hole, has a strike length which may exceed 1500 m.

2. *Demonstrating the continuity of gold-copper mineralization over significant vertical distances in previously identified mineralized zones with DDH NR14-034 which cored **172 m (409.5 to 581.5 m) of 0.46 g/t Au and 0.23% Cu, including 100.35 m of 0.736 g/t Au and 0.314% Cu (448.5 – 548.85 m)***

DDH NR14-034 successfully extended gold-copper mineralization at least 250 m below the intersection previously obtained in DDH13-001. Copper – gold grades within selected intervals of both DDH NR14-034 and DDH NR13-001 approach that which would be permissive to bulk underground mining. The strength of these copper-gold mineralized zones are continuing to depths exceeding 400 m below surface.

3. Defining the broad, deposit scale geometries and controls on mineralized zones.

The presence of a second mineralized zone with a modest southwest dip, when linked, to the vertically orientated Mabon Zone may (i) **significantly increase** the preferred target area and net tonnage of mineralized rock and (ii) **significantly decrease** the overall strip ratio of any potential open pit development.

The existence of a southwest dipping mineralized zone in the West Mabon area suggests that the results of drilling in the Edon occurrence area, DDH's NR13-010, 13-15 and 13-18 may require re-evaluation. All of these drill holes were collared on 220° azimuths and drilled at -45° dips. These drill holes could have potentially missed southwest dipping mineralization similar to the newly discovered West Mabon Zone.

Similarly DDH NR13-012, which was drilled at an azimuth of 220° and a dip of -45°, would not have been favorably orientated to intersect southwest dipping mineralization like the West Mabon Zone. Southwest dipping "West Mabon type" mineralization may well exist in areas which previously had been thought to be not significantly mineralized.

4. Testing other target areas.

Drill testing of the North Mabon chargeability anomaly (DDH NR14-030) and tests of the extreme northeastern flank of the Mabon mineralized zone (DDH NR14-033) produced no significant results. A modest copper-gold intersection was obtained while targeting fault offset mineralization with DDH NR14-032 coring 38.9 m of 0.265% Cu and 0.238 g/t Au between 293.7 and 332.6 m.

11.0 RECOMMENDATIONS

Based on the results of the 2014 exploration program at North ROK, a two phase 15,000 m success-contingent drilling program is recommended.

Phase 1 is divided into two non-contingent components. One 4000 m drilling component to focus on further delineating the full lateral and vertical extent of the North ROK deposit and another 3000 m drilling component to test other geological, geochemical and geophysical features including the West Mabon, Edon, Lower Mabon and North Mabon zones.

A proposed Phase I budget of C\$2,275,000 inclusive of all axillary, technical and support costs is recommended (Table 5).

The Phase II 8,000 m drilling program is contingent upon success at either or both of the two Phase 1 components and is budgeted at C\$ 2,600,000 (based on an all-in cost of \$325 per metre) and will be guided by the results of the preceding drilling programs.

Table 5: Recommended Phase I Budget

Assaying	\$150,000
Geological staff	\$175,000
Drilling	\$1,225,000
Camp Food / Accommodation	\$250,000
Field Work / Contract Labour	\$150,000
Transport / Aircraft	\$600,000
Permitting / Legal	\$25,000
Community Relations	\$50,000
Field Supplies	\$75,000
Travel	\$25,000
Report / Compilation	\$25,000
Total	\$2,750,000

12.0 REFERENCES

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13.0 STATEMENT OF QUALIFICATIONS

Certificate of Qualifications:

I, John Gregory Dawson, do hereby declare that:

1. I am currently acting as Vice President Exploration for Colorado Resources Ltd. of 110 – 2300 Carrington Road, West Kelowna, British Columbia.
2. I graduated with a Bachelor Science degree from the University of British Columbia in 1987 and a Master of Science degree from Queens' University in 1991.
3. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia, Registration Number 19882.
4. I have worked as a geologist for a total of 27 years since graduation from University, and prior to graduation, as a student and/or geo-technician for a period of 11 additional years.
5. 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 and past relevant work experience, I fulfill the requirements to be a "Qualified Person" for the purposes of NI 43-101.
6. I am not aware of any material fact or material change with respect to the subject matter of this report, the omission to disclose which makes this report misleading.
7. I am not independent of the issuer applying all tests in Section 1.5 of NI 43-101 in that I am a Contractor of Colorado Resources Ltd. and hold share options in the Company.

Dated this 16 day of December, 2014



John Gregory Dawson, P. Geo.

Appendix I

Cost Statement

North ROK Expense Report
2014

Exploration Work type	Detail	Hours	Days			Totals
Personnel	Period in Field		Days	Rate	Subtotal*	
Jim Oliver - Geologist	May 12 to June 15		22.57	\$985.00	\$22,231.45	
Gilles Dessureau-Geologist	May 5 to 31		22	\$575.00	\$12,650.00	
Greg Dawson- Geologist	May 2-15		14	\$750.00	\$10,500.00	
Cazador Resources- Geologist	June 1-10	112		\$95.00	\$10,640.00	
Edziza Contracting Ltd- Faller	May 8 - June 15		10.5	\$670.00	\$7,035.00	
Edziza Contracting Ltd - Bucker	May 15 to June 15		10.5	\$520.00	\$5,460.00	
Theresa Quock - Core Technician	May 15 to June 16		23.5	\$468.00	\$10,998.00	
Dustin Nole - Core Splitter	May 15 to June 17		5.0	\$390.00	\$1,950.00	
James Tashoots - Core Splitter	May 15 to June 18		31	\$351.00	\$10,881.00	
Agnes Dennis - First Aid	May 15 to June 19		13	\$468.00	\$6,084.00	
Anna McArthy - First Aid	May 15 to June 20		17.5	\$468.00	\$8,190.00	
Francis Quock - Core Splitter	May 15 to June 21		7	\$351.00	\$2,457.00	
Mike Day - Core Splitter	May 15 to June 22		8	\$390.00	\$3,120.00	
Rugged Edge Holdings Ltd- Fieldwork/Contract Labour	May 9-28; October 20-22,		34.50	\$500.00	\$17,250.00	
North Tracks Exploration- Fieldwork/Contract Labour	June 1-24; May3-31		25.275	\$450.00	\$11,373.75	
Spatsizi Helicopters Ltd- Fieldwork/Contract Labour	May 5 to June 15		20	\$250.00	\$5,000.00	
Cazador Resources- Field Work/Contract Lab	May 10 to Jun 15	22.5	20	\$30/hr, \$325/day	\$7,175.00	
CJL Enterprises Ltd	May	4	35		\$140.00	
					\$153,135.20	\$153,135.20
Office Studies / Logistics		Hours	Days			
Cazador Resources Ltd- Geologist	Adam Travis	32		\$95.00	\$3,040.00	
Oliver Geoscience Interantional Ltd	Jim Oliver	1.25		\$985.00	\$1,231.25	
Database compilation/Maps	Allan Jacobs	140.75		\$55.00	\$7,741.25	
Colorado Resources	Greg Dawson		17.0	\$750.00	\$12,750.00	
Office Support	Brittany Travis		13.25	\$30.00	\$397.50	
					\$25,160.00	\$25,160.00
Ground geophysics			Days	Rate		
Peter Walcott and Associates	IP and Magnetics		9.0	\$2,055.56	\$18,500.04	
Mob - demob				\$4,000.00	\$4,000.00	
					\$22,500.04	\$22,500.04
Geochemistry			No.	Rate	Subtotal	
ACME Analytical Laboratories (Vancouver) Ltd.	Sample Analysis		817.0	\$33.83	\$27,636.00	
The University of British Columbia	U-Pb Dating		1.0	\$500.00	\$500.00	
CDN Resource Laboratories Ltd.	Standards				\$428.00	
					\$28,564.00	\$28,564.00
Drilling			m	Rate	Subtotal	
BlackHawk Drilling	Diamond Drilling		2191.0	\$106.13	\$232,530.83	
					\$232,530.83	\$232,530.83
Other Operations			No.	Rate	Subtotal	
Rescan Tahltan Environmental Consultants	Water sampling				\$4,863.43	
					\$4,863.43	\$4,863.43
Travel			No.		Subtotal	
John Zbeetnoff	Meals, Accomodation				\$981.69	
Gilles Dessureau	Meals				\$92.70	
North Track Exploration	Meals, Accomodation				\$155.86	
Oliver Geoscience International Ltd.	Meals, Accomodation				\$475.96	
Colorado Resources	Baggage, Meals, Accomodation				\$1,187.23	
Colorado Resources	Flights				\$2,277.04	
					\$5,170.48	\$5,170.48
Transportation			No.	Rate	Subtotal	
Shipping	Freight- Shipping of samples, supplies				\$11,108.00	
Frontier Truck Rentals	Vehicle Rental (per month)		1.00	\$2,197.25	\$2,197.25	
North Track Exploration	Vehicle Rental (per km)		1625.00	\$0.68	\$1,105.00	
Edziza Contracting Ltd	Vehicle Rental (per day)		4.50	\$160.00	\$720.00	
Fireweed Helicopters	Helicopter (hrs)		60.9	\$1,300.00	\$79,131.00	
NorthWest Fuels Ltd	Helicopter Fuel (per litre)			\$0.00	\$12,434.45	
CJL Enterprises Ltd	Sample sorting,unloading				\$702.80	
					\$107,398.50	\$107,398.50
Camp Accommodation & Food	Rates per day					
Camp - Iskut Motor Inn	\$162.00 Man/Day x 379.5				\$61,479.00	
					\$61,479.00	\$61,479.00
Miscellaneous						
Geosoft, Inc (drill hole plotter)	Software				\$351.50	
GeoSpark Consulting Inc (core logging)	Software				\$1,290.00	

North ROK Expense Report
2014

CanCADD Imaging Solutions Ltd.	Ink/Paper for plotter				\$21.40	
CJL Enterprises Ltd	Sample Storage in Smithers				\$1,200.00	
					\$2,862.90	\$2,862.90
Equipment Rentals						
GDD Instrumentation	Magnetic Susceptibility		23.60	\$16.67	\$393.41	
Jade First Aid	First Aid Equipment				\$339.00	
Helix Electronics	Radios				\$631.30	
BlackHawk Drilling	Field supplies				\$315.00	
Rugged Edge Holdings Ltd	Core Saws, Generator				\$2,287.50	
North Track Exploration	Yamaha Generator				\$67.50	
Whiskey Creek Eco Adventures Ltd	Water Pump, heaters, loader use				\$1,172.31	
Elemental Controls Limited	Repair for XRF Machine				\$1,009.87	
Iskut Motor Inn	Backhoe Rental		8.00	\$100.00	\$800.00	
					\$7,015.89	\$7,015.89
Field Supplies						
Timber, flagging, sample bags, etc					\$8,047.60	
					\$8,047.60	\$8,047.60
	<i>TOTAL Expenditures</i>					\$658,727.87

Appendix III

QA-QC Report

QA-QC Analysis Tables

Certified Reference Material Certificates



SMI14000244 Good Standing with Override NR14-030

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Cu Value	Control	Standard Material	Lower Threshold Limit (Cu)	Upper Threshold Limit (Cu)	Lower Threshold Test (Cu)	Upper Threshold Test (Cu)	Original Lab Tag	Original Assay Value (Cu)	Difference %	Blank Result Test
1626540	2517.3	Standard	CDN-CM-35	2360	2600	Pass	Pass				
1626460	2521.6	Standard	CDN-CM-35	2360	2600	Pass	Pass				
1626550	0.9	Blank									Good
1626525	16.2	Duplicate						1626524	18.8	-13.82979	
1626520	3599.6	Standard	CDN-CM-24	3530	3890	Pass	Pass				
1626500	3777.9	Standard	CDN-CM-24	3530	3890	Pass	Pass				
1626490	1.4	Blank									Good
1626480	2468.8	Standard	CDN-CM-35	2360	2600	Pass	Pass				
1626475	40.3	Duplicate						1626474	24.3	65.843621	
1626560	2467.6	Standard	CDN-CM-35	2360	2600	Pass	Pass				

SMI14000250 Good Standing with Override NR14-031

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Cu Value	Control	Standard Material	Lower Threshold Limit (Cu)	Upper Threshold Limit (Cu)	Lower Threshold Test (Cu)	Upper Threshold Test (Cu)	Original Lab Tag	Original Assay Value (Cu)	Difference %	Blank Result Test

SMI14000275 Good Standing with Override NR14-032

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Cu Value	Control	Standard Material	Lower Threshold Limit (Cu)	Upper Threshold Limit (Cu)	Lower Threshold Test (Cu)	Upper Threshold Test (Cu)	Original Lab Tag	Original Assay Value (Cu)	Difference %	Blank Result Test
1626740	2395.7	Standard	CDN-CM-35	2360	2600	Pass	Pass				
1626840	2400.3	Standard	CDN-CM-35	2360	2600	Pass	Pass				
1626825	1623.9	Duplicate						1626824	1389.4	16.877789	
1626820	3557	Standard	CDN-CM-24	3530	3890	Pass	Pass				
1626800	3840.8	Standard	CDN-CM-24	3530	3890	Pass	Pass				
1626790	0.7	Blank									Good
1626780	2536.7	Standard	CDN-CM-35	2360	2600	Pass	Pass				
1626775	238.6	Duplicate						1626774	237.2	0.5902192	
1626750	0.9	Blank									Good
1626850	3.7	Blank									Good
1626760	2333.1	Standard	CDN-CM-35	2360	2600	Fail	Pass				

SMI14000295 Good Standing with Override NR14-032

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Cu Value	Control	Standard Material	Lower Threshold Limit (Cu)	Upper Threshold Limit (Cu)	Lower Threshold Test (Cu)	Upper Threshold Test (Cu)	Original Lab Tag	Original Assay Value (Cu)	Difference %	Blank Result Test

1626980	2374.4	Standard	CDN-CM-35	2360	2600	Pass	Pass				
1626990	0.9	Blank									Good
1627000	3704.6	Standard	CDN-CM-24	3530	3890	Pass	Pass				
1627520	3605.7	Standard	CDN-CM-24	3530	3890	Pass	Pass				
1627525	295.9	Duplicate						1627525	295.9	0	
1627540	2408	Standard	CDN-CM-35	2360	2600	Pass	Pass				
1626975	134.3	Duplicate						1626974	123.6	8.6569579	

SMI14000320 Good Standing with Override NR14-034

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Cu Value	Control	Standard Material	Lower Threshold Limit (Cu)	Upper Threshold Limit (Cu)	Lower Threshold Test (Cu)	Upper Threshold Test (Cu)	Original Lab Tag	Original Assay Value (Cu)	Difference %	Blank Result Test
1627560	2627.7	Standard	CDN-CM-35	2360	2600	Pass	Fail				

SMI14000322 Good Standing with Override NR14-034

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Cu Value	Control	Standard Material	Lower Threshold Limit (Cu)	Upper Threshold Limit (Cu)	Lower Threshold Test (Cu)	Upper Threshold Test (Cu)	Original Lab Tag	Original Assay Value (Cu)	Difference %	Blank Result Test
1627580	2332.8	Standard	CDN-CM-35	2360	2600	Fail	Pass				
1627590	0.6	Blank									Good
1627600	3732.1	Standard	CDN-CM-24	3530	3890	Pass	Pass				

1627620	3791.7	Standard	CDN-CM-24	3530	3890	Pass	Pass				
1627625	482.1	Duplicate						1627624	402.2	19.865738	
1627575	210.1	Duplicate						1627574	231.9	-9.400604	

SMI14000323 Good Standing - Reanalysis with Override NR14-034

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Cu Value	Control	Standard Material	Lower Threshold Limit (Cu)	Upper Threshold Limit (Cu)	Lower Threshold Test (Cu)	Upper Threshold Test (Cu)	Original Lab Tag	Original Assay Value (Cu)	Difference %	Blank Result Test
1627650	0.5	Blank									Good
1627760	2621.1	Standard	CDN-CM-35	2360	2600	Pass	Fail				
1627750	4.3	Blank									Good
1627740	2510.5	Standard	CDN-CM-35	2360	2600	Pass	Pass				
1627700	3934	Standard	CDN-CM-24	3530	3890	Pass	Fail				
1627690	0.8	Blank									Good
1627680	2601.3	Standard	CDN-CM-35	2360	2600	Pass	Fail				
1627660	2589.2	Standard	CDN-CM-35	2360	2600	Pass	Pass				
1627640	2522.1	Standard	CDN-CM-35	2360	2600	Pass	Pass				
1627675	266.9	Duplicate						1627674	403.3	-33.82098	

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Cu Value	Control	Standard Material	Lower Threshold Limit (Cu)	Upper Threshold Limit (Cu)	Lower Threshold Test (Cu)	Upper Threshold Test (Cu)	Original Lab Tag	Original Assay Value (Cu)	Difference %	Blank Result Test
1627725	2279.5	Duplicate						1627725	2279.5	0	
1627720	3764.4	Standard	CDN-CM-24	3530	3890	Pass	Pass				



SMI14000244 Good Standing with Override NR14-030

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Au Value	Control	Standard Material	Lower Threshold Limit (Au)	Upper Threshold Limit (Au)	Lower Threshold Test (Au)	Upper Threshold Test (Au)	Original Lab Tag	Original Assay Value (Au)	Difference %	Blank Result Test
1626540	0.32	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				
1626460	0.298	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				
1626550	0.0025	Blank									Good
1626525	0.008	Duplicate						1626524	0.008	0	
1626520	0.516	Standard	CDN-CM-24	0.465	0.577	Pass	Pass				
1626500	0.522	Standard	CDN-CM-24	0.465	0.577	Pass	Pass				
1626490	0.005	Blank									Good
1626480	0.431	Standard	CDN-CM-35	0.292	0.356	Pass	Fail				
1626475	0.041	Duplicate						1626474	0.044	-6.818182	
1626560	0.339	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				

SMI14000250 Good Standing with Override NR14-031

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Au Value	Control	Standard Material	Lower Threshold Limit (Au)	Upper Threshold Limit (Au)	Lower Threshold Test (Au)	Upper Threshold Test (Au)	Original Lab Tag	Original Assay Value (Au)	Difference %	Blank Result Test

1626650	0.0025	Blank								Good
1626660	0.318	Standard	CDN-CM-35	0.292	0.356	Pass	Pass			
1626725	0.014	Duplicate						1626724	0.013	7.6923077
1626720	0.542	Standard	CDN-CM-24	0.465	0.577	Pass	Pass			
1626700	0.538	Standard	CDN-CM-24	0.465	0.577	Pass	Pass			
1626690	0.0025	Blank								Good
1626680	0.29	Standard	CDN-CM-35	0.292	0.356	Fail	Pass			
1626640	0.348	Standard	CDN-CM-35	0.292	0.356	Pass	Pass			
1626625	0.008	Duplicate						1626624	0.0025	220
1626620	0.497	Standard	CDN-CM-24	0.465	0.577	Pass	Pass			
1626600	0.329	Standard	CDN-CM-35	0.292	0.356	Pass	Pass			
1626590	0.0025	Blank								Good
1626580	0.324	Standard	CDN-CM-35	0.292	0.356	Pass	Pass			
1626575	0.009	Duplicate						1626574	0.01	-10
1626675	0.008	Duplicate						1626674	0.011	-27.27273

SMI14000275 Good Standing with Override **NR14-032**

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Au Value	Control	Standard Material	Lower Threshold Limit (Au)	Upper Threshold Limit (Au)	Lower Threshold Test (Au)	Upper Threshold Test (Au)	Original Lab Tag	Original Assay Value (Au)	Difference %	Blank Result Test
1626740	0.331	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				
1626840	0.33	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				
1626825	0.123	Duplicate						1626824	0.09	36.666667	
1626820	0.531	Standard	CDN-CM-24	0.465	0.577	Pass	Pass				
1626800	0.486	Standard	CDN-CM-24	0.465	0.577	Pass	Pass				
1626790	0.0025	Blank									Good
1626780	0.298	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				
1626775	0.02	Duplicate						1626774	0.016	25	
1626750	0.0025	Blank									Good
1626850	0.0025	Blank									Good
1626760	0.358	Standard	CDN-CM-35	0.292	0.356	Pass	Fail				

SMI14000295 Good Standing with Override **NR14-032**

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Au Value	Control	Standard Material	Lower Threshold Limit (Au)	Upper Threshold Limit (Au)	Lower Threshold Test (Au)	Upper Threshold Test (Au)	Original Lab Tag	Original Assay Value (Au)	Difference %	Blank Result Test

1626980	0.33	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				
1626990	0.0025	Blank									Good
1627000	0.525	Standard	CDN-CM-24	0.465	0.577	Pass	Pass				
1627520	0.509	Standard	CDN-CM-24	0.465	0.577	Pass	Pass				
1627525	0.02	Duplicate						1627525	0.02	0	
1627540	0.33	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				
1626975	0.012	Duplicate						1626974	0.011	9.0909091	

SMI14000320 Good Standing with Override NR14-034

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Au Value	Control	Standard Material	Lower Threshold Limit (Au)	Upper Threshold Limit (Au)	Lower Threshold Test (Au)	Upper Threshold Test (Au)	Original Lab Tag	Original Assay Value (Au)	Difference %	Blank Result Test
1627560	0.325	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				

SMI14000322 Good Standing with Override NR14-034

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Au Value	Control	Standard Material	Lower Threshold Limit (Au)	Upper Threshold Limit (Au)	Lower Threshold Test (Au)	Upper Threshold Test (Au)	Original Lab Tag	Original Assay Value (Au)	Difference %	Blank Result Test
1627580	0.335	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				
1627590	0.0025	Blank									Good
1627600	0.53	Standard	CDN-CM-24	0.465	0.577	Pass	Pass				

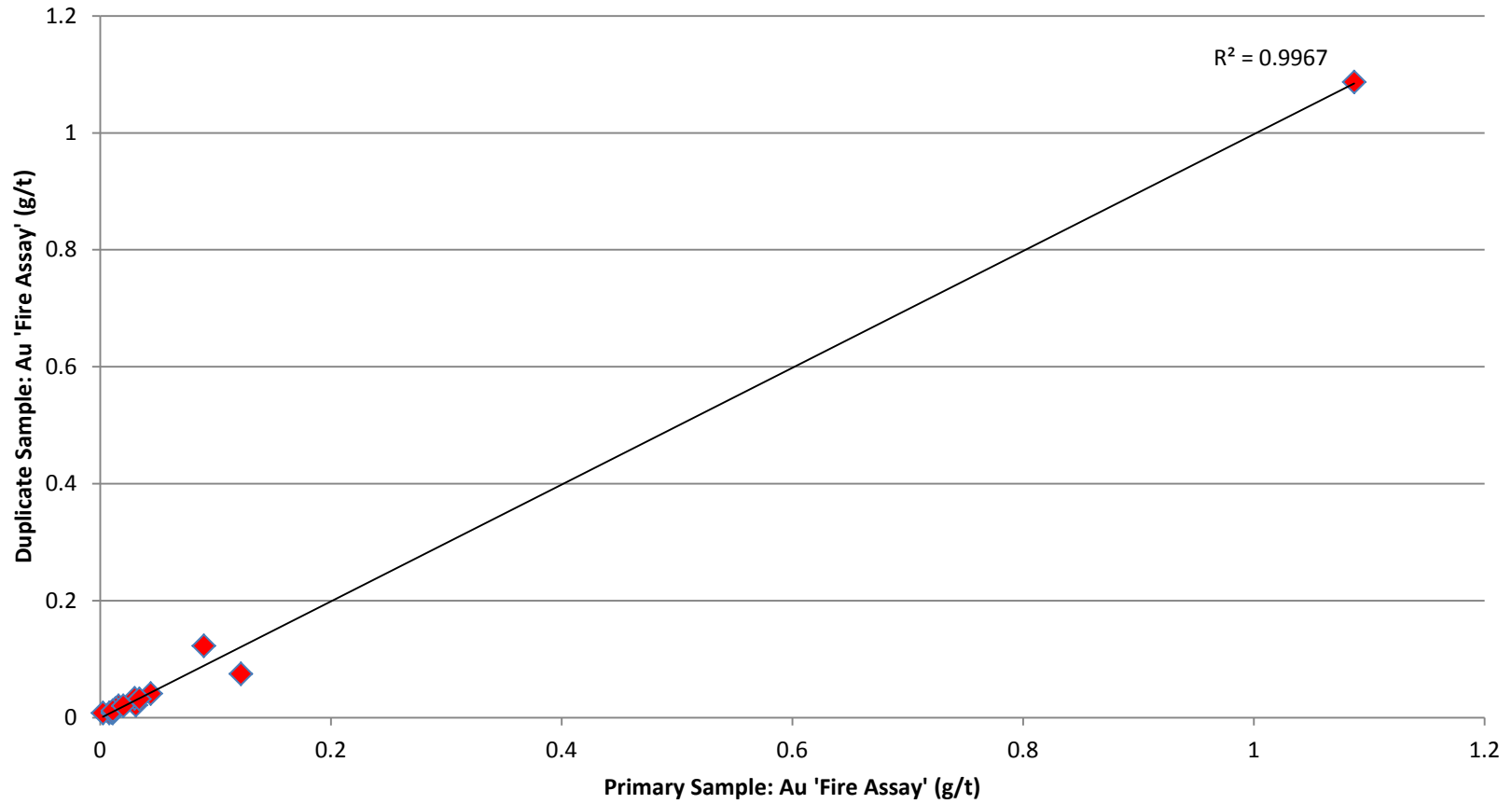
1627620	0.504	Standard	CDN-CM-24	0.465	0.577	Pass	Pass				
1627625	0.033	Duplicate						1627624	0.03	10	
1627575	0.032	Duplicate						1627574	0.034	-5.882353	

SMI14000323 Good Standing - Reanalysis with Override NR14-034

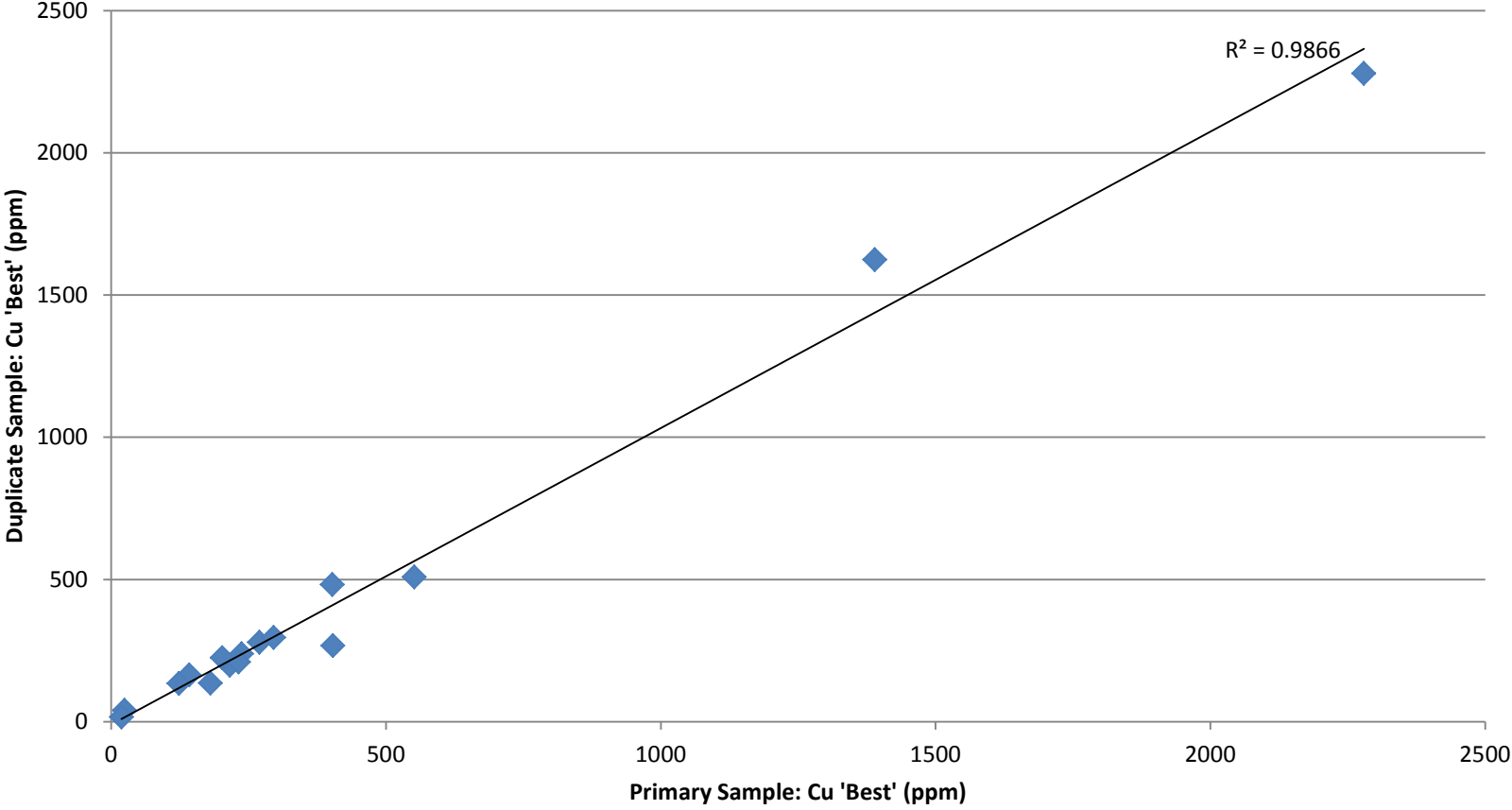
LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Au Value	Control	Standard Material	Lower Threshold Limit (Au)	Upper Threshold Limit (Au)	Lower Threshold Test (Au)	Upper Threshold Test (Au)	Original Lab Tag	Original Assay Value (Au)	Difference %	Blank Result Test
1627650	0.0025	Blank									Good
1627760	0.329	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				
1627750	0.0025	Blank									Good
1627740	0.328	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				
1627700	0.522	Standard	CDN-CM-24	0.465	0.577	Pass	Pass				
1627690	0.0025	Blank									Good
1627680	0.331	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				
1627660	0.299	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				
1627640	0.322	Standard	CDN-CM-35	0.292	0.356	Pass	Pass				
1627675	0.075	Duplicate						1627674	0.122	-38.52459	

LAB RESULTS			STANDARD CONTROL ANALYSIS (+/-2 SD)				DUPLICATE CONTROL ANALYSIS			BLANK CONTROL ANALYSIS	
Lab Tag	Assay Au Value	Control	Standard Material	Lower Threshold Limit (Au)	Upper Threshold Limit (Au)	Lower Threshold Test (Au)	Upper Threshold Test (Au)	Original Lab Tag	Original Assay Value (Au)	Difference %	Blank Result Test
1627725	1.087	Duplicate						1627725	1.087	0	
1627720	0.533	Standard	CDN-CM-24	0.465	0.577	Pass	Pass				

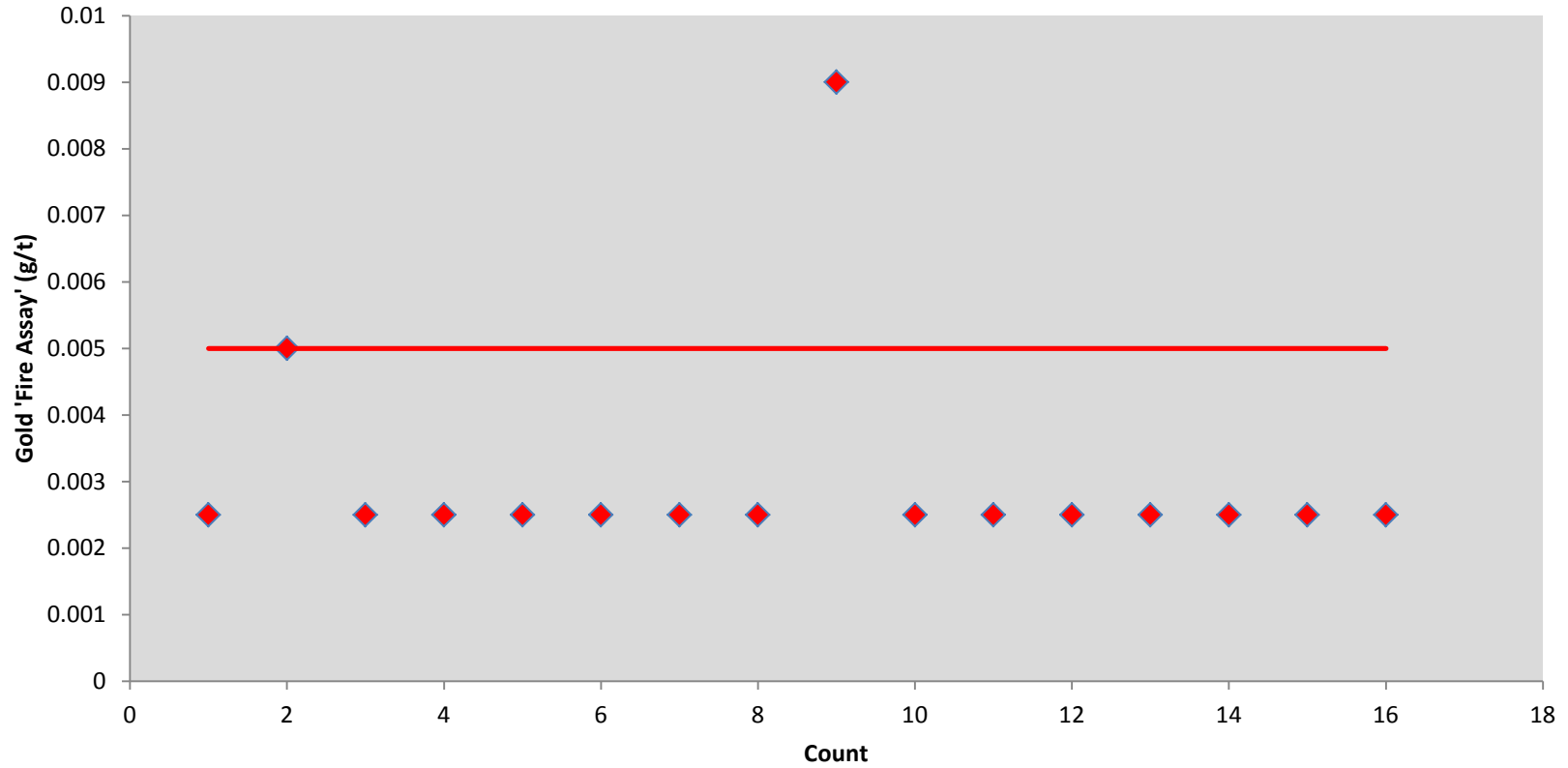
Field Duplicate Samples: Au 'Fire Assay' (g/t)



Field Duplicate Samples: Cu 'Best' (ppm)

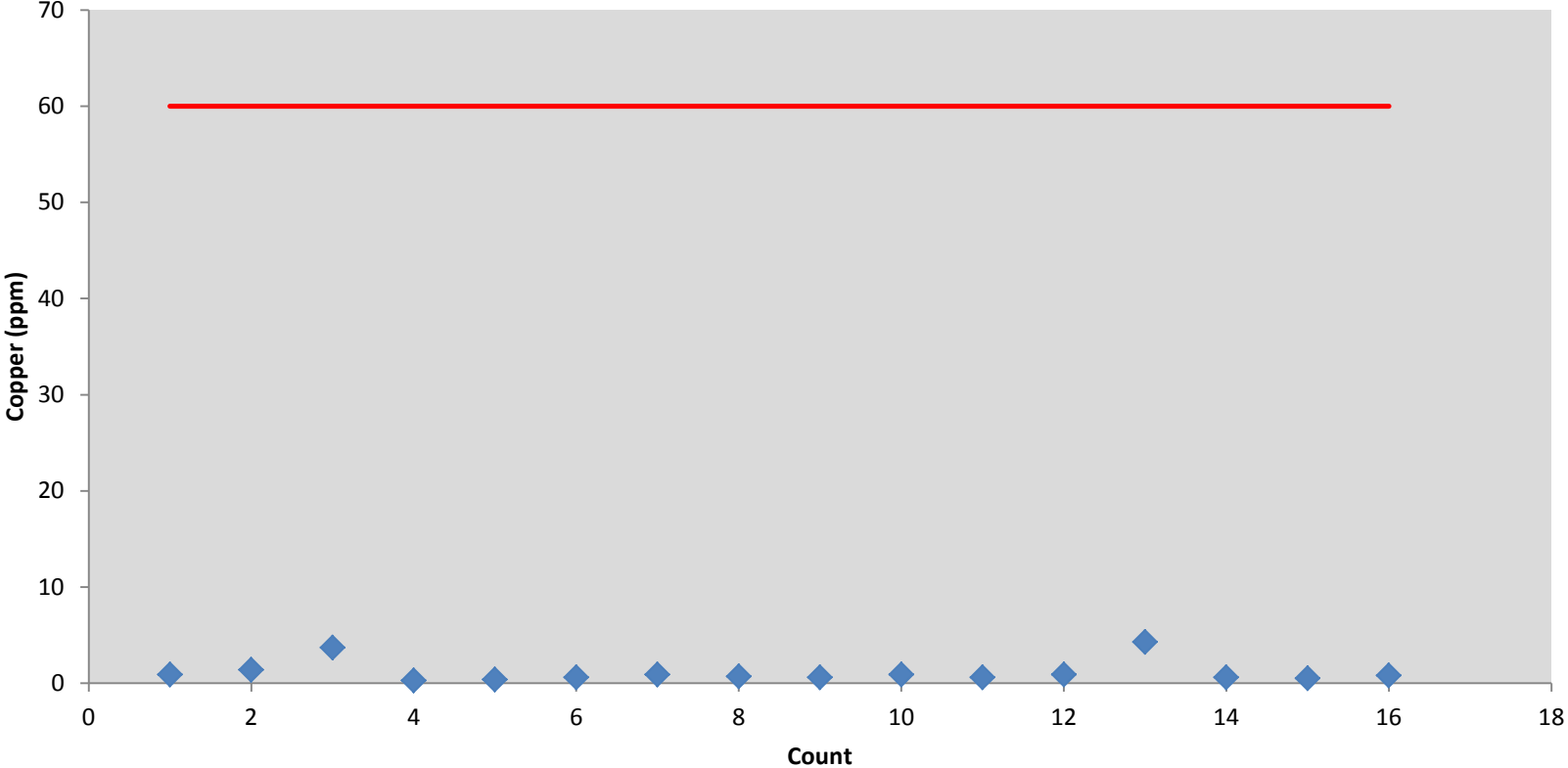


Blank Material: Gold 'Fire Assay' (g/t)



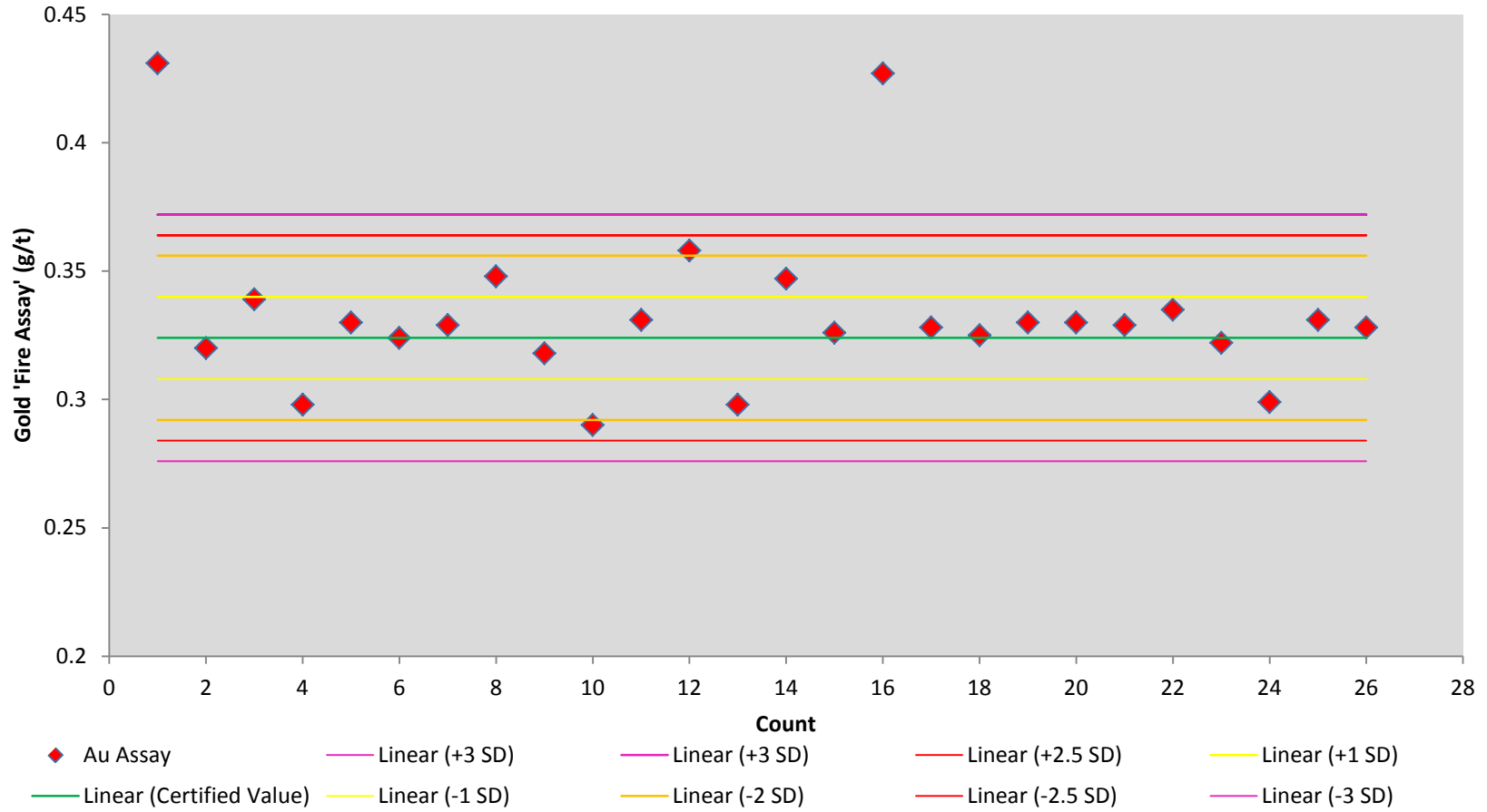
◆ Au Assay — Linear (Acceptable Limit)

Blank Material: Copper (ppm)

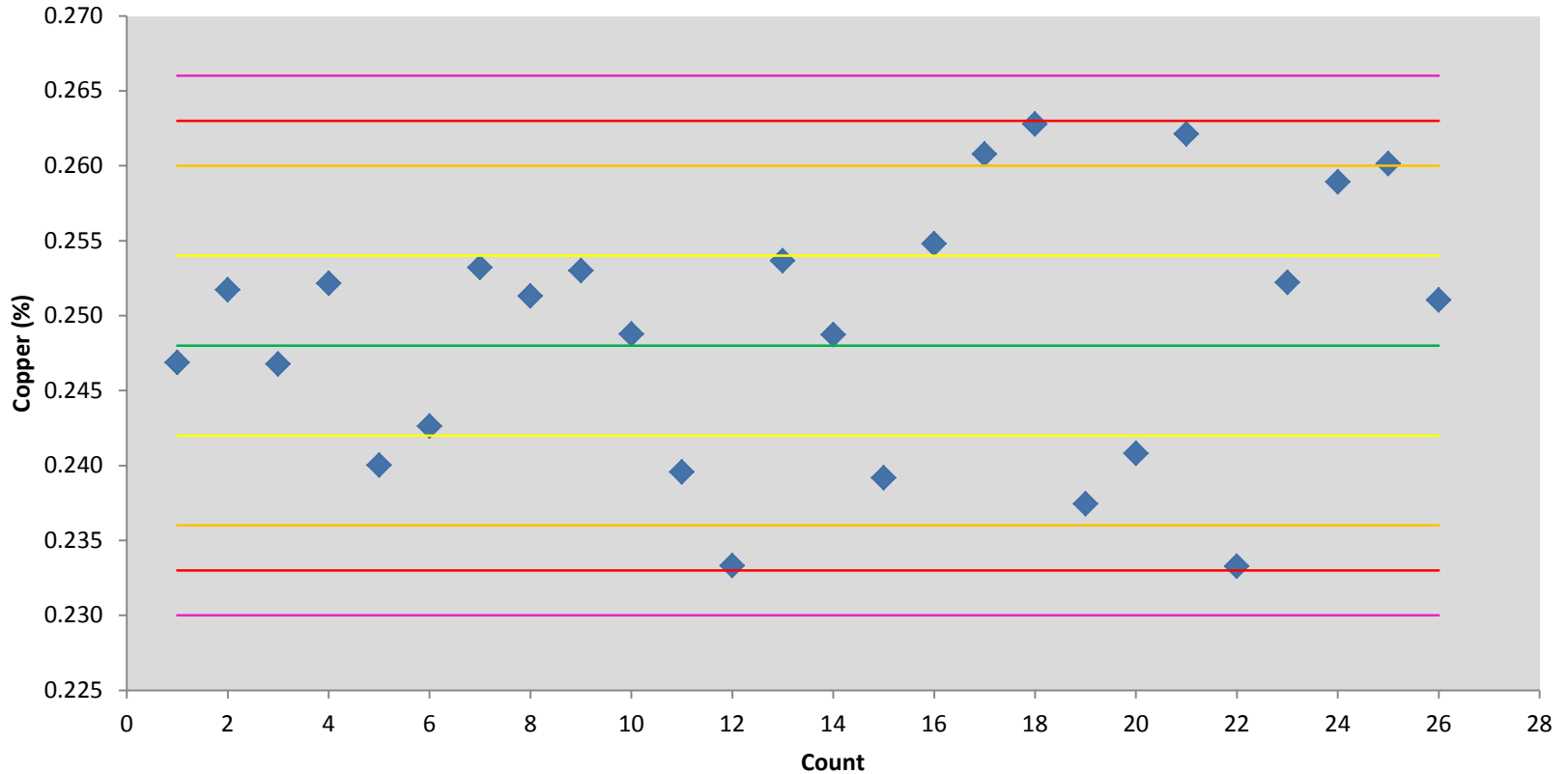


◆ Cu Assay — Linear (Acceptable Limit)

Standard CM-35: Gold 'Fire Assay' (g/t)

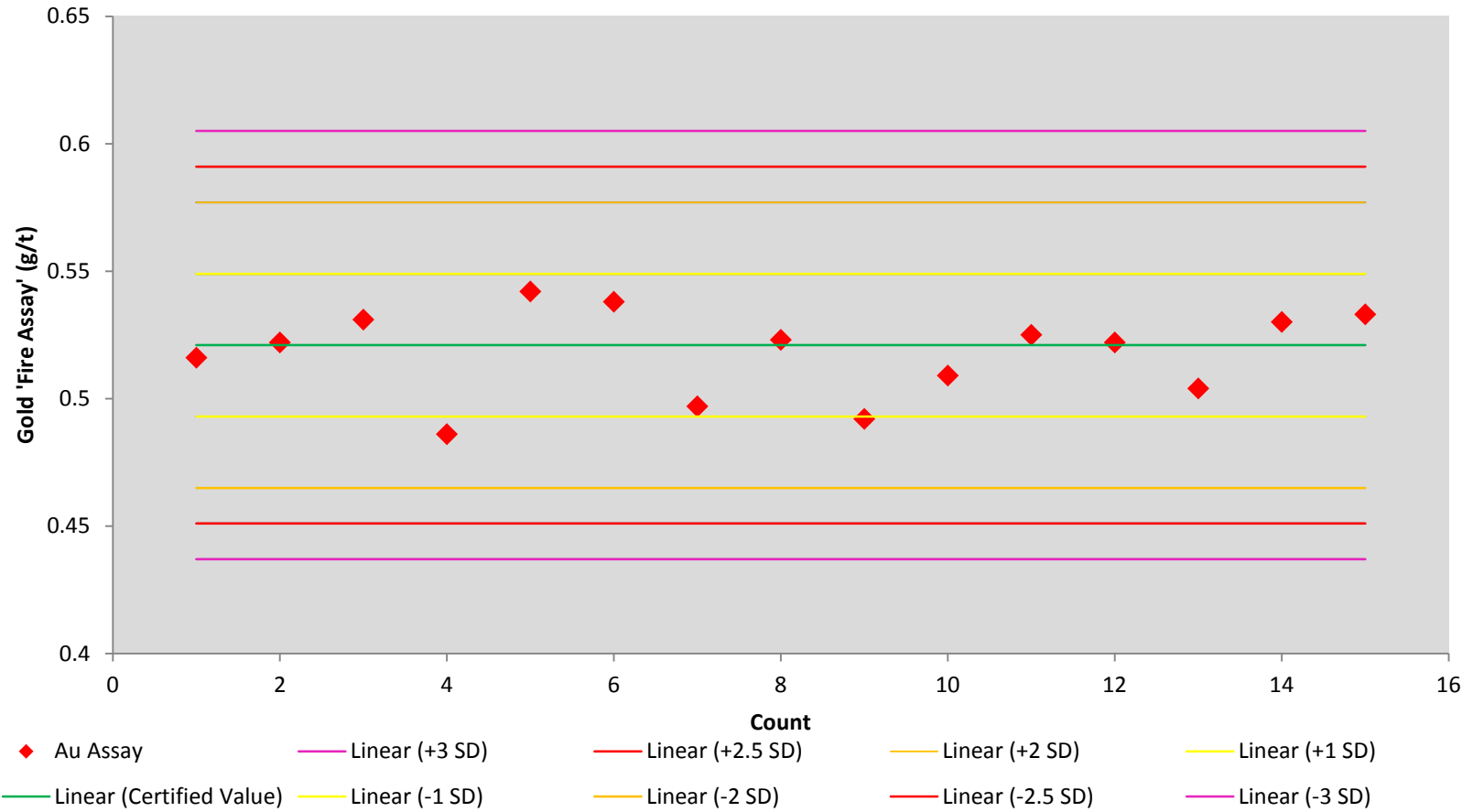


Standard CM-35: Copper (%)

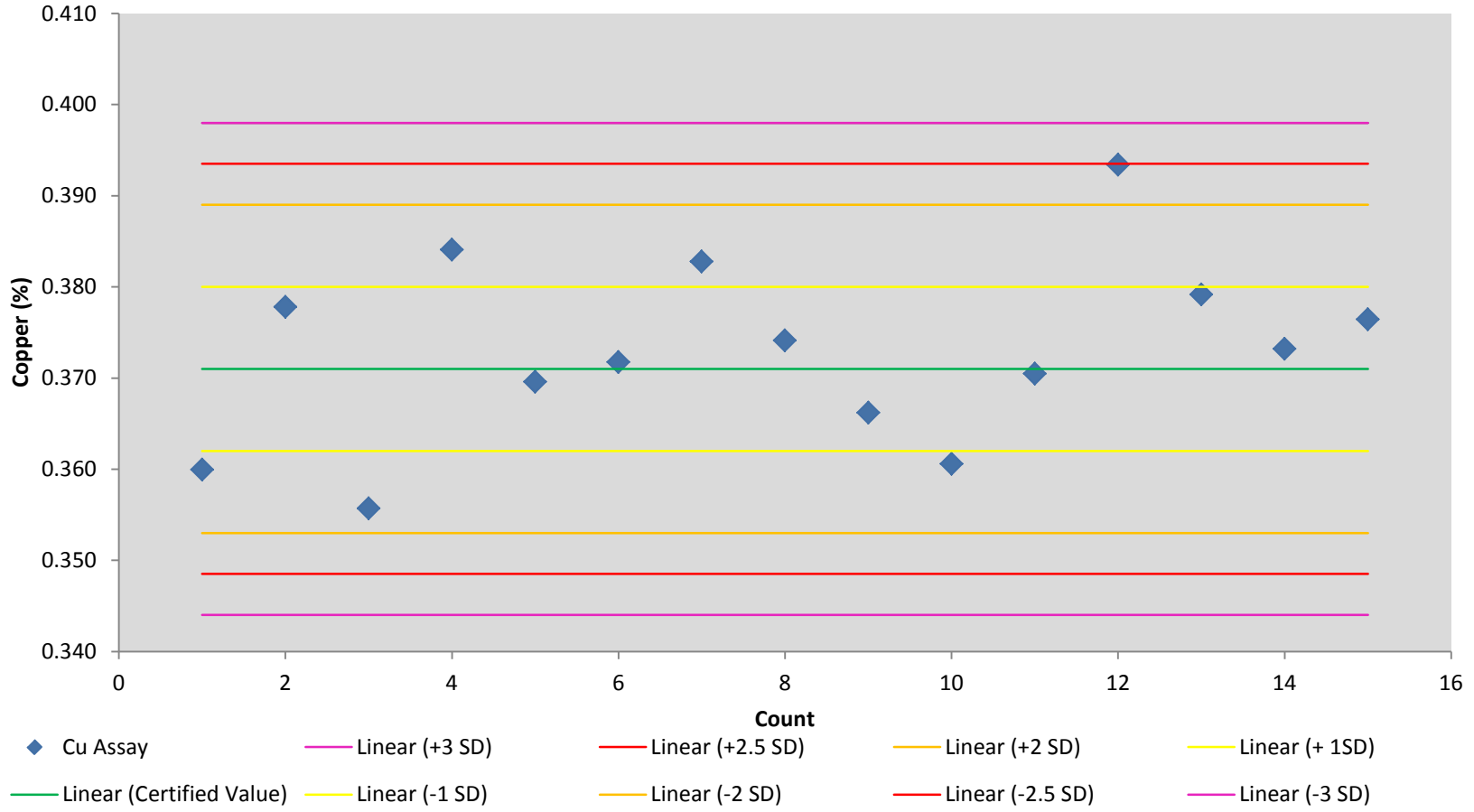


- ◆ Cu Assay
- Linear (+3 SD)
- Linear (-3 SD)
- Linear (+2.5 SD)
- Linear (-2.5 SD)
- Linear (+2 SD)
- Linear (-2 SD)
- Linear (+1 SD)
- Linear (-1 SD)
- Linear (Certified Value)

Standard CM-24: Gold 'Fire Assay' (g/t)



Standard CM-24: Copper (%)



CDN Resource Laboratories Ltd.

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REFERENCE MATERIAL: CDN-CM-24

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>0.521 g/t ± 0.056 g/t</i>	<i>Certified value</i>	<i>30g FA / ICP or AA</i>
<i>Copper</i>	<i>0.365 % ± 0.020 %</i>	<i>Certified value</i>	<i>4-acid / ICP or AA</i>
<i>Copper</i>	<i>0.371 % ± 0.018 %</i>	<i>Certified value</i>	<i>Aqua regia / ICP or AA</i>
<i>Silver</i>	<i>4.1 g/t ± 0.4 g/t</i>	<i>Certified value</i>	<i>4-acid / ICP or AA</i>
<i>Silver</i>	<i>4.1 g/t ± 0.3 g/t</i>	<i>Certified value</i>	<i>Aqua regia / ICP or AA</i>

Note: Standards with an RSD of near or less than 5% are certified; RSD's of between 5% and 15% are Provisional; RSD's over 15% are Indicated. Provisional and Indicated values cannot be used to monitor accuracy with a high degree of certainty.

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
DATE OF CERTIFICATION: July 12, 2012

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone mixer. Splits were taken and sent to 15 laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-CM-24 was prepared using ore from a project in the south-central Far East. The ore is from K-silicate, silicic and sericitic altered intermediate volcanic and related intrusive rocks exhibiting porphyry-style copper and gold mineralization.

Approximate chemical composition (from whole rock analysis) is as follows:

	Percent		Percent
SiO ₂	64.8	MgO	1.4
Al ₂ O ₃	13.9	K ₂ O	3.1
Fe ₂ O ₃	7.8	TiO ₂	0.5
CaO	1.8	LOI	4.9
Na ₂ O	0.8	S	3.5
C	0.1		

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual “between-laboratory” standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

REFERENCE MATERIAL CDN-CM-24

Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
CM-24-1	0.524	0.540	0.500	0.540	0.49	0.550	0.459	0.529	0.514	0.477	0.56	0.55	0.567	0.516	0.535
CM-24-2	0.516	0.515	0.501	0.495	0.52	0.552	0.486	0.528	0.485	0.447	0.56	0.54	0.471	0.500	0.534
CM-24-3	0.562	0.537	0.517	0.529	0.52	0.530	0.463	0.529	0.522	0.542	0.56	0.58	0.541	0.509	0.529
CM-24-4	0.546	0.488	0.515	0.507	0.49	0.547	0.482	0.517	0.498	0.458	0.53	0.53	0.476	0.504	0.546
CM-24-5	0.577	0.530	0.503	0.523	0.52	0.567	0.474	0.538	0.521	0.487	0.54	0.56	0.484	0.565	0.533
CM-24-6	0.528	0.495	0.515	0.539	0.55	0.513	0.476	0.518	0.514	0.480	0.55	0.54	0.496	0.505	0.528
CM-24-7	0.560	0.488	0.486	0.484	0.47	0.537	0.495	0.554	0.524	0.495	0.54	0.57	0.507	0.515	0.530
CM-24-8	0.553	0.521	0.516	0.489	0.55	0.524	0.403	0.509	0.524	0.488	0.55	0.55	0.474	0.542	0.532
CM-24-9	0.522	0.473	0.516	0.531	0.50	0.562	0.451	0.542	0.515	0.424	0.56	0.58	0.503	0.509	0.546
CM-24-10	0.518	0.468	0.510	0.508	0.50	0.557	0.427	0.535	0.528	0.511	0.53	0.54	0.467	0.546	0.548
Mean	0.541	0.506	0.508	0.515	0.511	0.544	0.462	0.530	0.515	0.481	0.548	0.554	0.499	0.521	0.536
Std. Devn.	0.0217	0.0265	0.0102	0.0207	0.0260	0.0174	0.0284	0.0132	0.0134	0.0331	0.0123	0.0178	0.0328	0.0220	0.0076
% RSD	4.01	5.23	2.00	4.03	5.09	3.21	6.14	2.49	2.60	6.88	2.24	3.21	6.57	4.21	1.42
4 Acid	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
	0.362	0.355	0.361	0.379	0.362	0.364	0.379	0.324	0.35	0.380	0.346	0.366	0.360	0.372	0.37
	0.360	0.370	0.371	0.379	0.355	0.368	0.377	0.355	0.36	0.384	0.361	0.364	0.374	0.375	0.36
	0.368	0.386	0.377	0.379	0.366	0.369	0.372	0.356	0.35	0.378	0.350	0.369	0.355	0.381	0.37
	0.365	0.380	0.372	0.392	0.359	0.353	0.372	0.363	0.36	0.365	0.350	0.365	0.367	0.391	0.36
	0.367	0.360	0.373	0.383	0.369	0.358	0.371	0.358	0.37	0.361	0.350	0.369	0.349	0.383	0.37
	0.365	0.363	0.365	0.382	0.357	0.359	0.379	0.359	0.36	0.368	0.351	0.366	0.359	0.378	0.36
	0.369	0.368	0.370	0.382	0.365	0.360	0.375	0.356	0.36	0.343	0.357	0.369	0.354	0.374	0.37
	0.346	0.365	0.364	0.386	0.356	0.356	0.369	0.361	0.36	0.375	0.352	0.366	0.359	0.379	0.36
	0.351	0.376	0.364	0.376	0.369	0.356	0.380	0.358	0.35	0.367	0.355	0.367	0.347	0.382	0.37
	0.346	0.373	0.362	0.366	0.368	0.358	0.382	0.362	0.36	0.367	0.353	0.367	0.356	0.387	0.36
Mean	0.360	0.370	0.368	0.380	0.363	0.360	0.376	0.355	0.358	0.369	0.352	0.367	0.358	0.380	0.365
Std. Devn.	0.0089	0.0094	0.0054	0.0068	0.0055	0.0053	0.0043	0.0113	0.0063	0.0117	0.0041	0.0017	0.0080	0.0059	0.0053
% RSD	2.49	2.55	1.46	1.78	1.52	1.47	1.15	3.18	1.77	3.17	1.15	0.47	2.23	1.55	1.44
Aqua regia	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
	0.366	0.390	0.369	0.376	0.365	0.373	0.368	0.375	0.396	0.351	0.356	0.364	0.372	0.377	0.36
	0.363	0.374	0.365	0.372	0.372	0.378	0.376	0.379	0.389	0.351	0.358	0.363	0.364	0.373	0.36
	0.364	0.383	0.364	0.389	0.367	0.377	0.377	0.379	0.399	0.372	0.360	0.365	0.361	0.382	0.36
	0.368	0.363	0.363	0.389	0.365	0.372	0.391	0.375	0.390	0.368	0.360	0.364	0.352	0.371	0.36
	0.372	0.375	0.372	0.375	0.369	0.382	0.377	0.383	0.390	0.377	0.359	0.367	0.365	0.375	0.36
	0.371	0.372	0.369	0.383	0.373	0.374	0.384	0.381	0.388	0.364	0.356	0.364	0.364	0.380	0.36
	0.370	0.378	0.378	0.375	0.365	0.388	0.382	0.379	0.372	0.374	0.358	0.366	0.361	0.376	0.37
	0.372	0.385	0.374	0.372	0.378	0.377	0.385	0.384	0.377	0.349	0.358	0.362	0.357	0.372	0.36
	0.370	0.376	0.375	0.376	0.377	0.371	0.380	0.381	0.392	0.366	0.355	0.366	0.351	0.370	0.37
	0.362	0.369	0.377	0.379	0.370	0.377	0.368	0.372	0.388	0.367	0.359	0.362	0.365	0.378	0.36
Mean	0.368	0.377	0.371	0.379	0.370	0.377	0.379	0.379	0.388	0.364	0.358	0.364	0.361	0.375	0.362
Std. Devn.	0.0038	0.0079	0.0054	0.0063	0.0048	0.0051	0.0072	0.0038	0.0081	0.0101	0.0016	0.0017	0.0064	0.0040	0.0042
% RSD	1.03	2.11	1.47	1.68	1.31	1.35	1.90	1.00	2.08	2.79	0.46	0.47	1.77	1.07	1.16

REFERENCE MATERIAL CDN-CM-24

Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
4 Acid	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
	4	4	4	4.6	4	4.3	4.1	4	4.1	6	4.3	4.2	3	4.5	4.2
	4	4	4	4.5	4	4.5	4.9	4	3.8	6	4.0	4.3	4	4.2	4.3
	4	3	4	4.4	4	4.3	4.1	4	4.0	5	3.5	4.2	3	4.3	4.2
	4	4	4	4.5	4	4.4	3.9	4	4.1	5	3.9	4.2	4	4.4	4.3
	4	3	5	5.0	4	4.1	4.3	4	4.0	5	3.9	4.0	3	4.4	4.3
	4	3	4	5.0	4	4.2	4.3	5	3.6	6	3.7	4.3	3	4.4	4.3
	4	4	4	5.1	4	4.5	4.2	4	4.0	6	3.6	4.1	3	4.2	4.2
	4	3	4	4.4	4	4.5	4.1	5	3.8	5	3.5	4.2	3	4.5	4.2
	4	4	4	4.3	4	4.2	4.0	4	3.7	5	3.6	4.1	3	4.5	4.2
	4	3	4	4.2	4	4.3	3.9	4	3.8	5	4.0	4.0	3	4.4	4.2
Mean	4.0	3.5	4.1	4.6	4.0	4.3	4.2	4.2	3.9	5.4	3.8	4.2	3.2	4.4	4.2
Std. Devn.	0.0000	0.5270	0.3162	0.3197	0.0000	0.1418	0.2744	0.4216	0.1729	0.5164	0.2625	0.1075	0.4216	0.1135	0.0516
% RSD	0.00	15.06	7.71	6.95	0.00	3.28	6.58	10.04	4.44	9.56	6.91	2.58	13.18	2.59	1.22
Aqua regia	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
	4	4	4	4.4	4.0	4.2	4.23	4	4.23	5	4.3	4.0	3	4.5	4.0
	4	4	3	4.1	4.2	4.4	4.32	4	4.20	4	3.9	4.1	4	4.6	4.1
	4	4	4	4.4	4.3	4.4	4.20	4	4.23	5	4.0	4.2	4	4.4	4.1
	4	4	4	4.5	4.2	4.4	4.08	4	4.32	5	4.0	4.1	4	4.3	4.0
	4	4	4	4.3	4.0	4.5	4.14	4	4.25	5	4.1	4.2	4	4.3	4.1
	4	4	4	4.2	4.1	4.5	4.32	4	4.35	4	4.0	4.3	5	4.5	4.2
	4	3	4	4.3	4.0	4.5	4.22	4	4.30	4	4.0	4.0	3	4.4	4.1
	4	4	4	4.3	4.2	4.4	4.33	4	4.16	4	4.1	4.2	4	4.2	4.2
	4	4	4	4.2	4.0	4.3	4.29	4	4.20	4	4.0	4.1	4	4.4	4.1
	4	4	4	4.2	4.0	4.4	4.07	4	4.12	4	4.1	4.4	3	4.2	4.1
Mean	4.0	3.9	3.9	4.3	4.1	4.4	4.2	4.0	4.2	4.4	4.1	4.2	3.8	4.4	4.1
Std. Devn.	0.0000	0.3162	0.3162	0.1197	0.1075	0.0943	0.0978	0.0000	0.0717	0.5164	0.1080	0.1265	0.6325	0.1317	0.0667
% RSD	0.00	8.11	8.11	2.79	2.65	2.14	2.32	0.00	1.69	11.74	2.67	3.04	16.64	3.01	1.63

Note: 4-acid Ag results from Labs 10 and 13 were excluded for failing the t test

REFERENCE MATERIAL CDN-CM-24

Participating Laboratories:

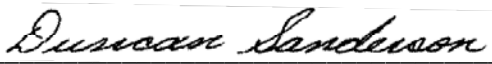
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver, B.C., Canada
Acme Analytical Laboratories Ltd., Santiago, Chile
Actlabs, Ancaster, Ontario, Canada
Actlabs, Thunder Bay, Ontario, Canada
Actlabs, Stewart, B.C., Canada
ALS Chemex Laboratories, North Vancouver, B.C., Canada
AGAT, Mississauga, Ontario
ASA Argentina
CIMM, Lima, Peru
Intertek - Genalysis, Perth, Australia
SGS, Lima, Peru
SGS, Toronto, Ontario, Canada
SGS, Vancouver, B.C., Canada
TSL Laboratories, Saskatoon, Canada
Ultra Trace (Bureau Veritas), Perth, Australia


Legal Notice:

This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by


Duncan Sanderson, Certified Assayer of B.C.

Geochemist


Dr. Barry Smee, Ph.D., P. Geo.

CDN Resource Laboratories Ltd.

#2, 20148 – 102nd Ave, Langley, B.C., Canada, V1M 4B4, 604-882-8422, Fax: 604-882-8466 (www.cdnlabs.com)

REFERENCE MATERIAL: CDN-CM-35

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>0.324 g/t ± 0.032 g/t</i>	<i>Certified value</i>	<i>30g FA / ICP or AA</i>
<i>Silver</i>	<i>2.6 g/t ± 0.7 g/t</i>	<i>Provisional value</i>	<i>4-acid / ICP or AA</i>
<i>Silver</i>	<i>2.7 g/t ± 0.4 g/t</i>	<i>Provisional value</i>	<i>Aqua regia / ICP or AA</i>
<i>Copper</i>	<i>0.243 % ± 0.012 %</i>	<i>Certified value</i>	<i>4-acid / ICP or AA</i>
<i>Copper</i>	<i>0.248 % ± 0.012 %</i>	<i>Certified value</i>	<i>Aqua regia / ICP or AA</i>
<i>Molybdenum</i>	<i>0.029 % ± 0.002 %</i>	<i>Certified value</i>	<i>4-acid / ICP or AA</i>
<i>Molybdenum</i>	<i>0.029 % ± 0.002 %</i>	<i>Certified value</i>	<i>Aqua regia / ICP or AA</i>
<i>Sulphur</i>	<i>2.19 % ± 0.11 %</i>	<i>Certified value</i>	<i>Leco</i>

Note: Standards with an RSD of near or less than 5% are certified; RSD's of between 5% and 15% are Provisional; RSD's over 15% are Indicated. Provisional and Indicated values cannot be used to monitor accuracy with a high degree of certainty.

The certified value and between lab 2SD calculated for each element are done so for a specific analytical procedure. It is inappropriate to apply them to other techniques (eg. geochemical analyses).

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
DATE OF CERTIFICATION: July 26, 2013

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone mixer. Splits were taken and sent to 15 laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-CM-35 was prepared using ore from a project in the south-central Far East. The ore is from K-silicate, silicic and sericitic altered intermediate volcanic and related intrusive rocks exhibiting porphyry-style copper and gold mineralization.

Approximate chemical composition (from whole rock analysis) is as follows:

	Percent		Percent
SiO ₂	63.3	MgO	1.4
Al ₂ O ₃	15.3	K ₂ O	3.1
Fe ₂ O ₃	7.5	TiO ₂	0.5
CaO	2.1	LOI	4.7
Na ₂ O	1.2	S	2.2

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ± 2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual “between-laboratory” standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

REFERENCE MATERIAL CDN-CM-35

Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
CM-35-1	0.333	0.330	0.323	0.307	0.287	0.314	0.338	0.362	0.312	0.371	0.31	0.313	0.330	0.312	0.311
CM-35-2	0.327	0.307	0.284	0.396	0.306	0.323	0.349	0.343	0.309	0.313	0.33	0.311	0.339	0.310	0.322
CM-35-3	0.313	0.332	0.337	0.336	0.318	0.339	0.339	0.326	0.320	0.365	0.31	0.352	0.311	0.334	0.329
CM-35-4	0.314	0.314	0.312	0.353	0.291	0.321	0.342	0.356	0.299	0.333	0.28	0.308	0.333	0.304	0.316
CM-35-5	0.331	0.320	0.321	0.328	0.284	0.329	0.340	0.340	0.322	0.316	0.32	0.331	0.334	0.310	0.321
CM-35-6	0.353	0.292	0.306	0.311	0.289	0.332	0.341	0.349	0.329	0.304	0.33	0.317	0.340	0.313	0.323
CM-35-7	0.326	0.327	0.305	0.354	0.289	0.312	0.352	0.369	0.339	0.327	0.33	0.333	0.322	0.325	0.319
CM-35-8	0.333	0.286	0.293	0.305	0.316	0.339	0.332	0.348	0.293	0.316	0.33	0.329	0.314	0.335	0.313
CM-35-9	0.335	0.313	0.289	0.320	0.295	0.347	0.330	0.351	0.332	0.325	0.33	0.330	0.322	0.329	0.321
CM-35-10	0.329	0.312	0.292	0.333	0.302	0.343	0.336	0.356	0.338	0.323	0.30	0.320	0.342	0.325	0.327
Mean	0.329	0.313	0.306	0.334	0.298	0.330	0.340	0.350	0.319	0.329	0.317	0.324	0.329	0.320	0.320
Std. Devn.	0.0113	0.0153	0.0172	0.0278	0.0122	0.0122	0.0068	0.0121	0.0159	0.0220	0.0170	0.0133	0.0109	0.0112	0.0057
% RSD	3.42	4.88	5.60	8.31	4.10	3.69	2.00	3.44	4.97	6.68	5.37	4.09	3.33	3.49	1.78
Total	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
CM-35-1	3	< 3	3	2.6	< 3	3		3.0	2.5	2.0	2.6	2.5	2.4	3.1	<10
CM-35-2	3	< 3	3	2.7	< 3	3		3.1	2.4	2.2	2.6	2.5	2.7	3.1	<10
CM-35-3	3	< 3	< 3	2.5	< 3	3		3.0	2.3	1.9	2.7	2.4	2.6	3.1	<10
CM-35-4	3	< 3	< 3	2.6	< 3	2		3.0	2.3	2.0	2.6	2.6	2.7	3.0	<10
CM-35-5	3	< 3	< 3	2.5	3	2		3.0	2.7	2.2	2.6	2.5	2.6	3.2	<10
CM-35-6	2	< 3	< 3	2.4	< 3	2		2.7	2.4	2.2	2.8	2.4	2.7	2.9	<10
CM-35-7	2	< 3	< 3	2.6	< 3	3		2.8	2.5	2.0	2.6	2.5	2.5	3.2	<10
CM-35-8	3	< 3	< 3	2.4	< 3	2		2.9	2.6	2.4	2.9	2.4	2.5	2.9	<10
CM-35-9	3	< 3	< 3	2.5	4	2		2.9	2.4	2.5	2.8	2.5	2.5	3.1	<10
CM-35-10	3	< 3	< 3	2.5	< 3	3		2.9	2.6	2.1	2.7	2.5	2.8	3.3	<10
Mean	2.8		3.0	2.5	3.5	2.5		2.9	2.5	2.2	2.7	2.5	2.6	3.1	
Std. Devn.	0.4216		0.0000	0.0949	0.7071	0.5270		0.1160	0.1232	0.1900	0.1101	0.0632	0.1247	0.1287	
% RSD	15.06		0.00	3.75	20.20	21.08		3.96	4.94	8.84	4.09	2.55	4.80	4.16	
Total	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
CM-35-1	0.255	0.244	0.242	0.240	0.240	0.242	0.25	0.242	0.230	0.222	0.240	0.241	0.252	0.252	0.25
CM-35-2	0.246	0.242	0.251	0.235	0.243	0.237	0.25	0.250	0.240	0.229	0.236	0.245	0.252	0.265	0.25
CM-35-3	0.252	0.245	0.238	0.233	0.246	0.240	0.25	0.248	0.237	0.229	0.242	0.243	0.252	0.265	0.25
CM-35-4	0.264	0.244	0.247	0.243	0.239	0.243	0.25	0.244	0.237	0.231	0.237	0.244	0.250	0.259	0.25
CM-35-5	0.247	0.249	0.245	0.232	0.241	0.240	0.25	0.239	0.239	0.225	0.241	0.243	0.250	0.256	0.25
CM-35-6	0.250	0.244	0.234	0.240	0.242	0.241	0.25	0.235	0.237	0.225	0.238	0.246	0.248	0.259	0.25
CM-35-7	0.249	0.246	0.233	0.242	0.245	0.238	0.25	0.242	0.238	0.227	0.235	0.241	0.249	0.264	0.25
CM-35-8	0.250	0.243	0.250	0.239	0.234	0.242	0.25	0.249	0.227	0.243	0.238	0.242	0.252	0.262	0.25
CM-35-9	0.250	0.251	0.237	0.243	0.237	0.238	0.25	0.242	0.238	0.226	0.237	0.245	0.251	0.264	0.25
CM-35-10	0.250	0.246	0.238	0.241	0.249	0.241	0.26	0.240	0.240	0.233	0.239	0.240	0.254	0.263	0.25
Mean	0.251	0.245	0.242	0.239	0.242	0.240	0.251	0.243	0.236	0.229	0.238	0.243	0.251	0.261	0.250
Std. Devn.	0.0051	0.0028	0.0065	0.0040	0.0044	0.0020	0.0032	0.0047	0.0043	0.0060	0.0022	0.0020	0.0018	0.0043	0.0000
% RSD	2.03	1.12	2.69	1.70	1.83	0.83	1.26	1.95	1.83	2.61	0.92	0.82	0.70	1.65	0.00
Total	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo
CM-35-1	0.029	0.030	0.031	0.028	0.029	0.028	0.027	0.029	0.026	0.028	0.027	0.028	0.025	0.031	0.03
CM-35-2	0.029	0.031	0.031	0.028	0.028	0.028	0.028	0.031	0.027	0.028	0.027	0.028	0.025	0.031	0.03
CM-35-3	0.029	0.031	0.029	0.027	0.029	0.028	0.028	0.030	0.027	0.029	0.027	0.028	0.025	0.030	0.03
CM-35-4	0.031	0.031	0.030	0.027	0.029	0.029	0.027	0.030	0.027	0.028	0.027	0.028	0.026	0.029	0.03
CM-35-5	0.029	0.030	0.031	0.025	0.029	0.028	0.028	0.030	0.027	0.028	0.027	0.028	0.026	0.028	0.03
CM-35-6	0.029	0.030	0.029	0.027	0.029	0.029	0.028	0.029	0.027	0.029	0.027	0.030	0.025	0.029	0.03
CM-35-7	0.030	0.030	0.030	0.028	0.028	0.028	0.028	0.030	0.028	0.028	0.027	0.028	0.025	0.029	0.03
CM-35-8	0.029	0.029	0.032	0.028	0.031	0.029	0.029	0.030	0.026	0.030	0.027	0.029	0.025	0.028	0.03
CM-35-9	0.029	0.031	0.031	0.027	0.029	0.028	0.028	0.030	0.027	0.029	0.026	0.029	0.026	0.029	0.03
CM-35-10	0.029	0.030	0.032	0.027	0.027	0.028	0.027	0.030	0.026	0.029	0.027	0.029	0.026	0.028	0.03
Mean	0.029	0.030	0.031	0.027	0.029	0.028	0.028	0.030	0.027	0.028	0.027	0.029	0.025	0.029	0.030
Std. Devn.	0.0007	0.0007	0.0011	0.0009	0.0010	0.0005	0.0006	0.0006	0.0006	0.0008	0.0003	0.0007	0.0004	0.0010	0.0000
% RSD	2.30	2.23	3.51	3.38	3.59	1.71	2.28	1.90	2.23	2.68	1.15	2.48	1.75	3.31	0.00

Note: Four acid Cu results from Lab 14 were removed for failing the t test.
 Four acid Mo results from Lab 13 were removed for failing the t test.
 Laboratory 7 did not provide 4-acid Ag results.

REFERENCE MATERIAL CDN-CM-35

Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
Aqua regia	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
CM-35-1	3	< 3	< 3	2.7	< 3	3	2.6	2.8	2.6	2.4	2.6	2.6	2.6	3.0	<10
CM-35-2	3	< 3	< 3	2.8	< 3	3	2.5	2.8	2.5	2.4	2.8	2.6	2.7	3.1	<10
CM-35-3	3	< 3	< 3	2.8	< 3	3	2.6	2.7	2.5	2.4	2.4	2.5	2.4	3.0	<10
CM-35-4	3	< 3	< 3	3.0	< 3	3	3.4	2.7	2.6	2.4	2.6	2.5	2.5	2.8	<10
CM-35-5	2	< 3	< 3	2.9	< 3	3	2.7	2.7	2.5	2.4	2.6	2.6	2.5	3.1	<10
CM-35-6	3	< 3	< 3	2.7	< 3	3	2.8	2.6	2.6	2.6	2.5	2.7	2.4	3.1	<10
CM-35-7	3	< 3	< 3	2.8	< 3	3	2.7	2.8	2.5	2.4	2.5	2.6	2.7	2.9	<10
CM-35-8	3	< 3	< 3	2.8	< 3	3	2.8	2.8	2.6	2.5	2.4	2.6	2.5	2.8	<10
CM-35-9	3	< 3	< 3	3.0	< 3	3	2.7	2.6	2.5	2.6	2.5	2.7	2.3	3.0	<10
CM-35-10	3	< 3	< 3	2.6	< 3	3	2.9	2.7	2.4	2.4	2.4	2.6	2.5	2.9	<10
Mean	2.9			2.8		3.0	2.8	2.7	2.5	2.5	2.5	2.6	2.5	3.0	
Std. Devn.	0.3162			0.1287		0.0000	0.2497	0.0789	0.0710	0.0850	0.1252	0.0667	0.1287	0.1160	
% RSD	10.90			4.58		0.00	9.01	2.90	2.82	3.47	4.95	2.56	5.13	3.90	
Aqua regia	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu	% Cu
CM-35-1	0.246	0.241	0.256	0.251	0.245	0.256	0.24	0.239	0.256	0.233	0.245	0.247	0.241	0.260	0.24
CM-35-2	0.244	0.250	0.248	0.253	0.249	0.248	0.25	0.247	0.259	0.225	0.233	0.253	0.241	0.267	0.25
CM-35-3	0.246	0.246	0.242	0.248	0.254	0.250	0.26	0.246	0.256	0.224	0.235	0.248	0.241	0.253	0.25
CM-35-4	0.248	0.247	0.251	0.242	0.242	0.251	0.25	0.242	0.257	0.224	0.243	0.251	0.239	0.252	0.24
CM-35-5	0.246	0.242	0.256	0.246	0.241	0.253	0.26	0.246	0.258	0.227	0.236	0.252	0.242	0.259	0.25
CM-35-6	0.250	0.246	0.250	0.251	0.245	0.251	0.26	0.237	0.253	0.230	0.239	0.252	0.244	0.268	0.24
CM-35-7	0.248	0.237	0.250	0.247	0.248	0.253	0.26	0.245	0.257	0.236	0.238	0.251	0.242	0.254	0.25
CM-35-8	0.251	0.245	0.250	0.248	0.249	0.252	0.25	0.247	0.257	0.236	0.240	0.250	0.242	0.244	0.24
CM-35-9	0.249	0.239	0.253	0.243	0.238	0.250	0.26	0.244	0.250	0.238	0.238	0.251	0.237	0.259	0.25
CM-35-10	0.247	0.242	0.243	0.245	0.235	0.247	0.26	0.244	0.256	0.236	0.237	0.250	0.248	0.248	0.25
Mean	0.248	0.244	0.250	0.247	0.245	0.251	0.255	0.244	0.256	0.231	0.238	0.251	0.242	0.256	0.246
Std. Devn.	0.0021	0.0040	0.0047	0.0036	0.0057	0.0026	0.0071	0.0034	0.0026	0.0055	0.0035	0.0018	0.0029	0.0077	0.0052
% RSD	0.86	1.63	1.88	1.44	2.34	1.04	2.77	1.40	1.02	2.39	1.46	0.73	1.20	3.00	2.10
Aqua regia	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo	% Mo
CM-35-1	0.027	0.029	0.031	0.031	0.034	0.029	0.027	0.031	0.026	0.024	0.021	0.029	0.029	0.024	0.03
CM-35-2	0.028	0.030	0.027	0.031	0.031	0.028	0.027	0.030	0.026	0.023	0.022	0.028	0.028	0.025	0.03
CM-35-3	0.027	0.030	0.025	0.030	0.032	0.028	0.028	0.030	0.027	0.023	0.023	0.029	0.029	0.023	0.03
CM-35-4	0.028	0.030	0.030	0.030	0.031	0.029	0.028	0.030	0.028	0.023	0.024	0.030	0.028	0.023	0.03
CM-35-5	0.027	0.029	0.031	0.030	0.030	0.028	0.028	0.029	0.029	0.024	0.023	0.029	0.029	0.025	0.03
CM-35-6	0.029	0.030	0.031	0.031	0.031	0.029	0.029	0.030	0.027	0.024	0.023	0.029	0.028	0.024	0.03
CM-35-7	0.028	0.029	0.031	0.032	0.031	0.028	0.028	0.030	0.028	0.024	0.022	0.029	0.028	0.024	0.03
CM-35-8	0.028	0.030	0.032	0.031	0.032	0.029	0.028	0.030	0.029	0.025	0.022	0.030	0.028	0.023	0.03
CM-35-9	0.028	0.029	0.031	0.030	0.031	0.029	0.028	0.028	0.027	0.025	0.022	0.030	0.028	0.024	0.03
CM-35-10	0.028	0.029	0.028	0.031	0.032	0.027	0.028	0.029	0.028	0.025	0.023	0.030	0.028	0.023	0.03
Mean	0.028	0.030	0.030	0.031	0.032	0.028	0.028	0.030	0.027	0.024	0.023	0.029	0.028	0.024	0.030
Std. Devn.	0.0006	0.0005	0.0023	0.0007	0.0011	0.0007	0.0006	0.0008	0.0008	0.0007	0.0007	0.0007	0.0004	0.0007	0.0000
% RSD	2.28	1.79	7.62	2.20	3.43	2.46	2.03	2.77	2.94	3.01	3.32	2.30	1.35	3.07	0.00
Leco	% S	% S	% S	% S	% S	% S	% S	% S	% S	% S	% S	% S	% S	% S	% S
CM-35-1	2.05	2.26	2.15	2.18	2.27	2.02	2.28	2.26	2.18		2.10	2.18	2.23	2.64	2.18
CM-35-2	2.17	2.19	2.19	2.21	2.27	2.17	2.16	2.26	2.18		2.09	2.18	2.15	2.63	2.18
CM-35-3	2.14	2.16	2.17	2.21	2.31	2.14	2.28	2.29	2.19		2.13	2.18	2.22	2.65	2.20
CM-35-4	2.16	2.20	2.20	2.23	2.29	2.06	2.21	2.27	2.17		2.09	2.19	2.16	2.64	2.18
CM-35-5	2.10	2.33	2.12	2.10	2.31	2.13	2.17	2.24	2.21		2.13	2.19	2.23	2.69	2.18
CM-35-6	2.16	2.22	2.21	2.02	2.31	2.11	2.26	2.3	2.16		2.11	2.19	2.22	2.64	2.18
CM-35-7	2.17	2.22	2.24	2.10	2.33	2.16	2.25	2.22	2.19		2.09	2.16	2.19	2.61	2.21
CM-35-8	2.16	2.20	2.22	2.08	2.31	2.15	2.20	2.25	2.17		2.11	2.19	2.21	2.70	2.18
CM-35-9	2.15	2.09	2.14	2.06	2.28	2.19	2.26	2.29	2.17		2.09	2.19	2.19	2.63	2.22
CM-35-10	2.20	2.19	2.14	2.15	2.32	2.13	2.21	2.28	2.18		2.12	2.20	2.16	2.67	2.20
Mean	2.15	2.21	2.18	2.13	2.30	2.13	2.23	2.27	2.18		2.11	2.19	2.20	2.65	2.19
Std. Devn.	0.0422	0.0622	0.0399	0.0721	0.0211	0.0515	0.0439	0.0250	0.0141		0.0165	0.0108	0.0306	0.0283	0.0152
% RSD	1.97	2.82	1.83	3.38	0.92	2.42	1.97	1.10	0.65		0.78	0.49	1.39	1.07	0.70

Note: Aqua regia Cu results from Lab 10 were removed for failing the t test.
Aqua regia Mo results from Labs 10, 11 and 14 were removed for failing the t test.
Leco sulphur results from Lab 14 were removed for failing the t test.
Laboratory 10 could not provide Leco sulphur results.

REFERENCE MATERIAL CDN-CM-35

Participating Laboratories:

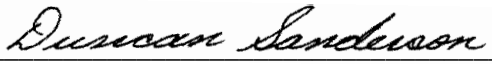
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver, B.C., Canada
Acme Analytical Laboratories Ltd., Santiago, Chile
Actlabs, Ancaster, Ontario, Canada
Actlabs, Kamloops, B.C., Canada
Actlabs, Thunder Bay, Ontario, Canada
ALS Canada, North Vancouver, B.C., Canada
ALS (Omac), Loughrea, Northern Ireland
ALS, Reno, Nevada, USA
Alex Stewart, Mendoza, Argentina
American Assay Laboratory, Nevada, USA
Certimin, Lima, Peru
SGS, Lima, Peru
SGS, Vancouver, B.C., Canada
Skyline Assayers & Laboratories, Arizona, USA
TSL Laboratories, Saskatoon, Canada

Legal Notice:


This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by



Duncan Sanderson, Certified Assayer of B.C.

Geochemist



Dr. Barry Smee, Ph.D., P. Geo.

Appendix IV

A Logistics Report on Induced Polarization and Magnetic Surveying

By Peter E. Walcott & Associates Limited

A LOGISTICS REPORT

ON

INDUCED POLARIZATION & MAGNETIC SURVEYING

**NORTH ROK PROPERTY
ISKUT AREA, BRITISH COLUMBIA
LIARD MINING DIVISION
57 ° 49'N, 129 ° 56'W**

Claims Surveyed

633348,633350, 101457

NTS 104H/13

for

COLORADO RESOURCES LTD.

Kelowna, British Columbia

by

PETER E. WALCOTT & ASSOCIATES LIMITED

**Coquitlam, British Columbia
November 2014**

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	<u>Page</u>
INTRODUCTION	3
PROPERTY LOCATION AND ACCESS	4
SURVEY SPECIFICATIONS	7

APPENDIX

COST OF SURVEY
PERSONNEL EMPLOYED ON SURVEY

ACCOMANPANYING MAPS

Line Location and Claim Map	1:10,000
Pseudo sections – 32+50E, 35+00E, 37+50E,	1:10,000
Contours of Apparent Chargeability/Resistivity – N=3	1:10,000
Contours of Total Field Intensity (nT)	1: 5,000

INTRODUCTION.

Between May 10th, and May 19th, 2014, Peter E. Walcott & Associates Limited undertook surface and borehole induced polarization (IP) and magnetic surveying for Colorado Resources Ltd. over its North Rok Property, British Columbia.

The induced polarization surveying was conducted utilizing the pole-dipole technique measuring the 1st to 14th separations utilizing a 200 metre dipole separation. Attempts at both cross bore-hole and surface to bore-hole techniques were hampered by borehole conditions and access to sites. The additional induced polarization surveying was designed to augment the existing coverage for inclusion in 3D modelled in an attempt to refine deeper target.

Magnetic surveying was also carried out on the same traverses using GPS enabled walking magnetometers sampling at a one second interval.

3 north-south traverses were completed for a total of some 9 kilometers of induced polarization and magnetic surveying completed.

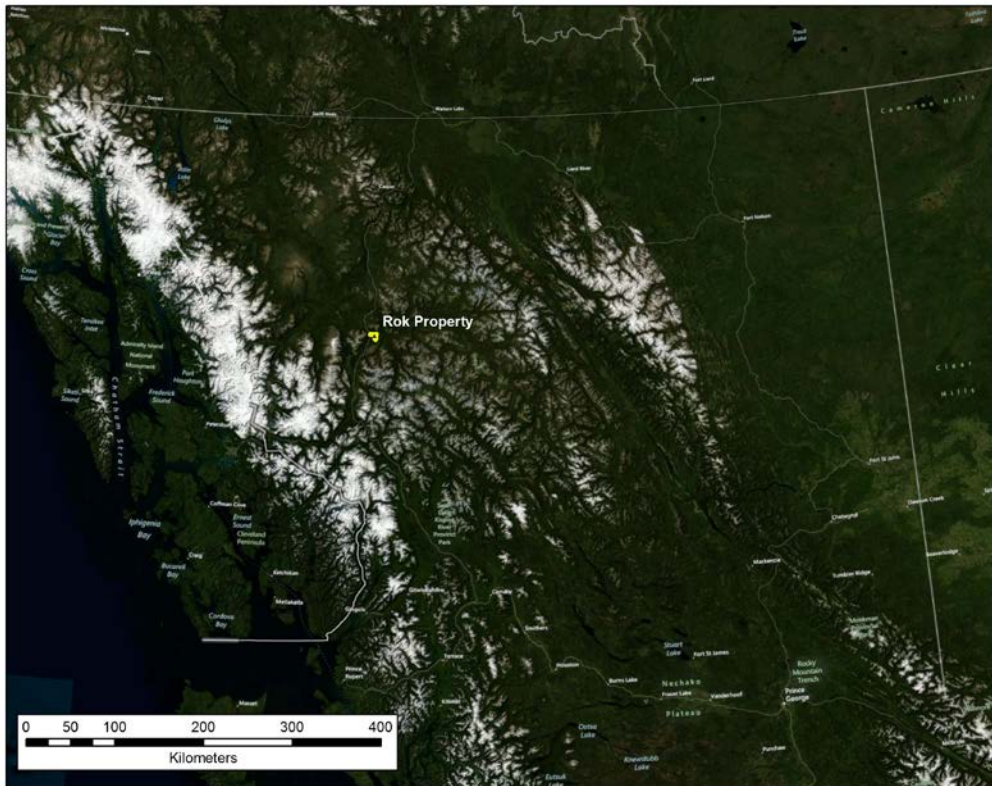
Survey lines were positioned and established by Colorado Resources Ltd.

In addition to the aforementioned surveying, horizontal positions of the line stations were measured a Garmin handheld GPS unit.

PROPERTY LOCATION AND ACCESS

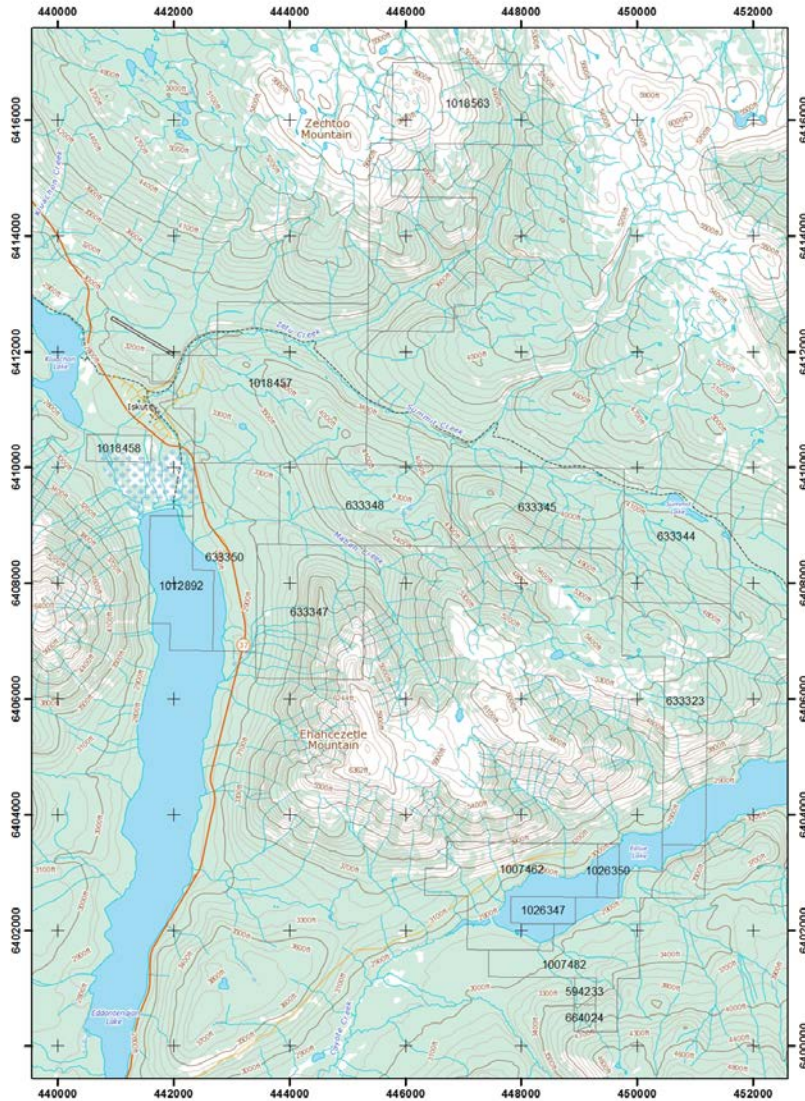
The North Rok property is situated some 2 kilometres south-east of the community of Iskut, British Columbia.

Access to the survey area, was then gained via truck on Highway 37 and then by foot to the survey area.



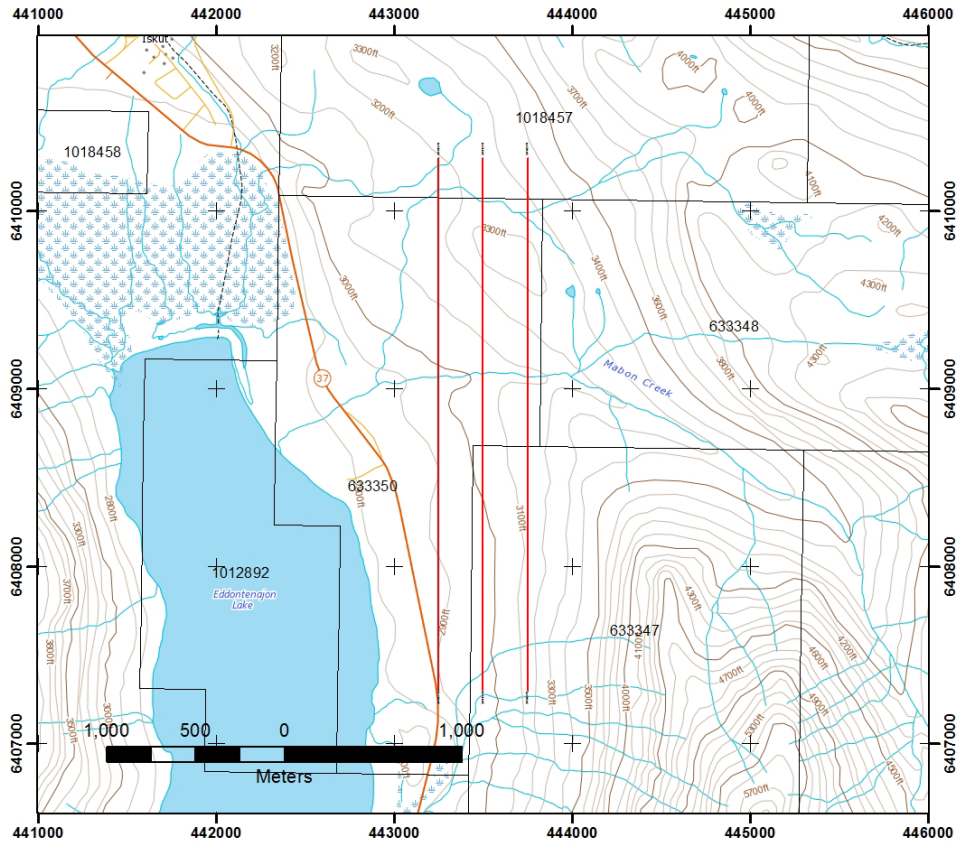
Property Location Map

PROPERTY LOCATION AND ACCESS con't



Claim Location Map

PROPERTY LOCATION AND ACCESS con't



Claim and Line Location Map

SURVEY SPECIFICATIONS.

The Induced Polarization Survey.

The induced polarization (IP) survey was conducted using a pulse type system, the principal components of which were manufactured by Instrumentation GDD of Quebec, Canada.

The system consists basically of three units, a receiver (GDD), transmitter (GDD) and a motor generator (Honda). The transmitter, which provides a maximum of 5.0 kw d.c. to the ground, obtains its power from a 7.5 kw 60 c.p.s. alternator driven by a Honda 14 h.p. gasoline engine. The cycling rate of the transmitter is 2 seconds “current-on” and 2 seconds “current-off” with the pulses reversing continuously in polarity. The data recorded in the field consists of careful measurements of the current (I) in amperes flowing through the current electrodes C₁ and C₂, the primary voltages (V) appearing between any two potential electrodes, P₁ through P₅, during the “current-on” part of the cycle, and the apparent chargeability, (M_a) presented as a direct readout in millivolts per volt using a 200 millisecond delay and a 1000 millisecond sample window by the receiver, a digital receiver controlled by a micro-processor – the sample window is actually the total of twenty individual windows of 50 millisecond widths.

The apparent resistivity (ρ_a) in ohm metres is proportional to the ratio of the primary voltage and the measured current, the proportionality factor depending on the geometry of the array used. The chargeability and resistivity are called apparent as they are values which that portion of the earth sampled would have if it were homogeneous. As the earth sampled is usually inhomogeneous the calculated apparent chargeability and resistivity are functions of the actual chargeability and resistivity of the rocks.

The majoring of the surveying was carried out using the “pole-dipole” method of surveying. In this method the current electrode, C₁, and the potential electrodes, P₁ through P₅, are moved in unison

SURVEY SPECIFICATIONS cont'd

along the survey lines at a spacing of “a” (the dipole) apart, while the second current electrode, C_2 , is kept constant at “infinity”. The distance, “na” between C_1 and the nearest potential electrode generally controls the depth to be explored by the particular separation, “n”, traverse. On this survey a 200 metre dipole separation was utilized.

On this survey a total of some 9 kilometres of survey traverses were completed.

Magnetic Survey.

The magnetic survey was carried out using a GSM 19 proton precession magnetometer manufactured by GEM Instruments of Richmond Hill, Ontario. This instrument measures variations in the total intensity of the earth's magnetic field to an accuracy of plus or minus one nanotesla. Corrections for daily variations in the earth's field – the diurnal – were made by comparison with a similar instrument set up at a fixed location – the base – where recordings were made at 10 second intervals.

Horizontal control.

The horizontal positions of the stations were recorded using a Garmin GPSmap 60CSx.

Data Presentation.

The data are presented as individual pseudo section plots of apparent resistivity and apparent chargeability at a scale of 1:10,000 generated using Geosoft Oasis Montaj.

APPENDIX

**Peter E. Walcott & Associates Limited
Geophysical Services**

**Induced Polarization Surveying
Colorado Resources Ltd.
North Rok Project**

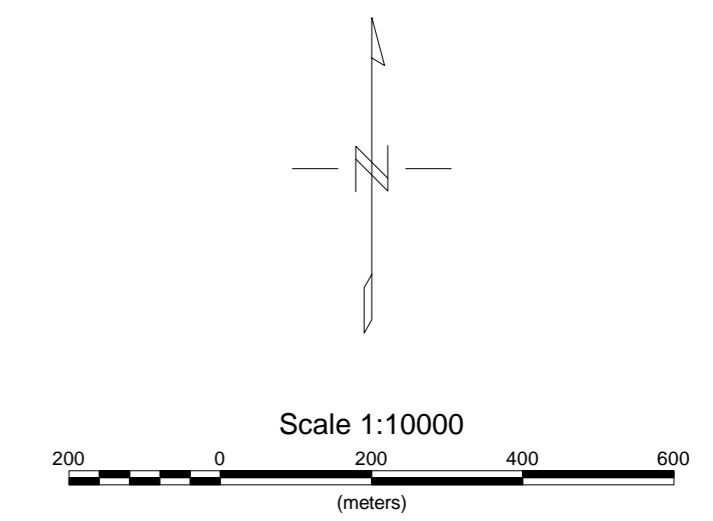
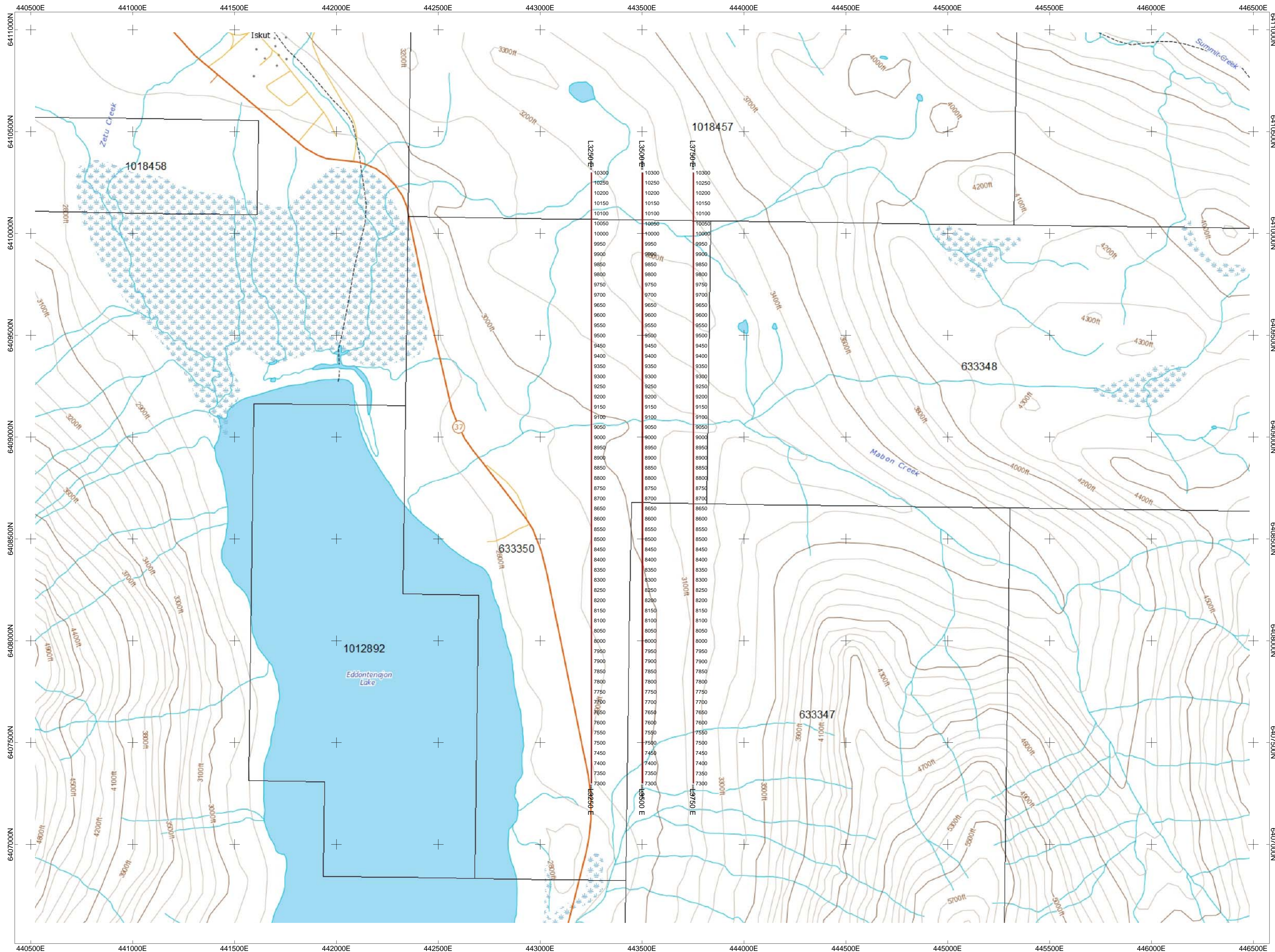
COST OF SURVEY

Peter E. Walcott & Associates Limited undertook the survey on a daily basis providing a two man crew, IP equipment, GPS, altimeters and a 4x4 truck at \$1900.00 per day – two man crew, IP equipment with winches at \$1850.00 per day.

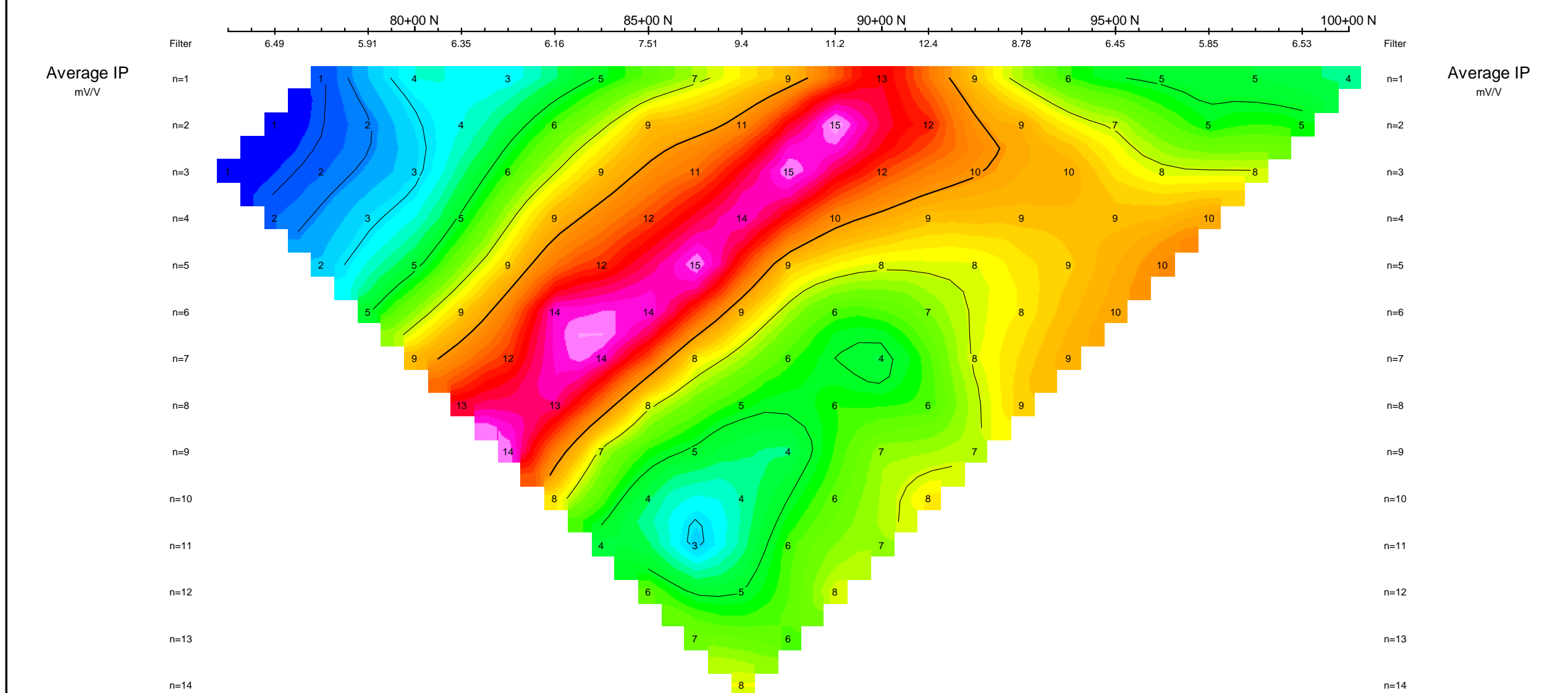
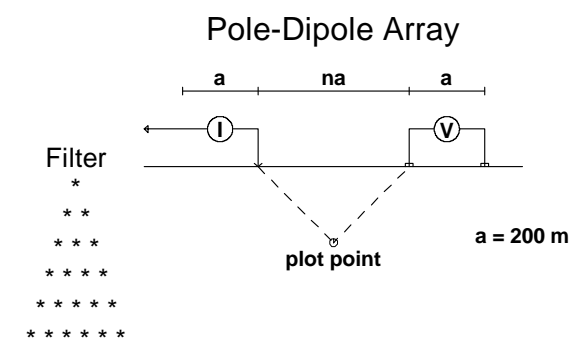
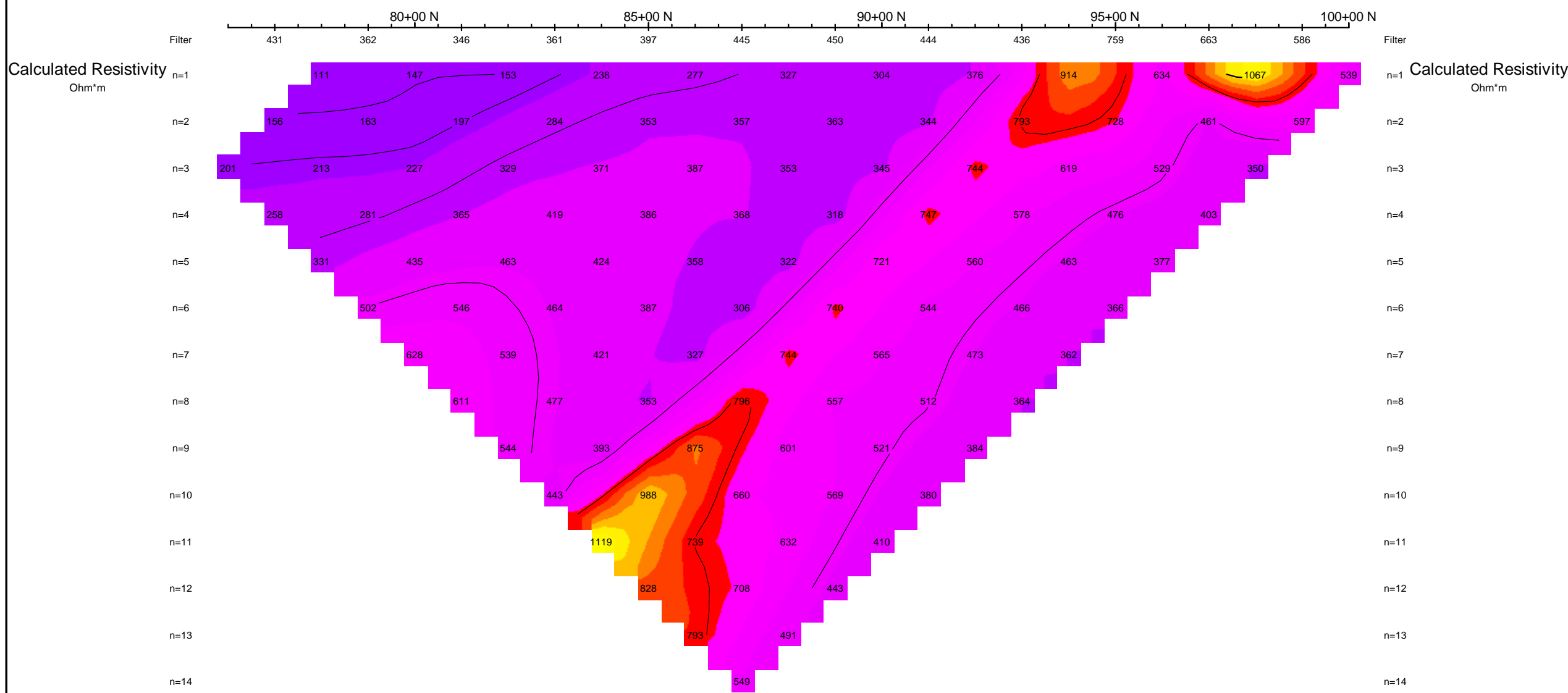
A mobilization of \$4000.00 was also incurred, so that the total cost of services was \$20,700.

PERSONNEL EMPLOYED ON SURVEY.

Name	Occupation	Address	Dates
A. Walcott	Geophysicist	111-17 Fawcett Rd. Coquitlam, B.C. V3K 6V2	May 10 th -19 th , 2013
T Kocan	Geophysical Operator	"	"



COLORADO RESOURCES LTD.
INDUCED POLARIZATION SURVEY
CLAIM AND LINE LOCATION MAP
 NORTH ROK PROPERTY
 ISKUT, BC
 MAY 2014
PETER E. WALCOTT & ASSOCIATES LIMITED

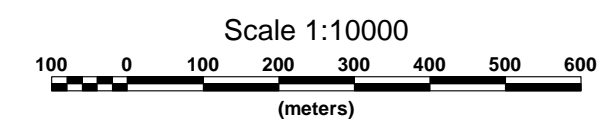


Instruments: GDD 5KW Tx, GDD GRX-8 Rx

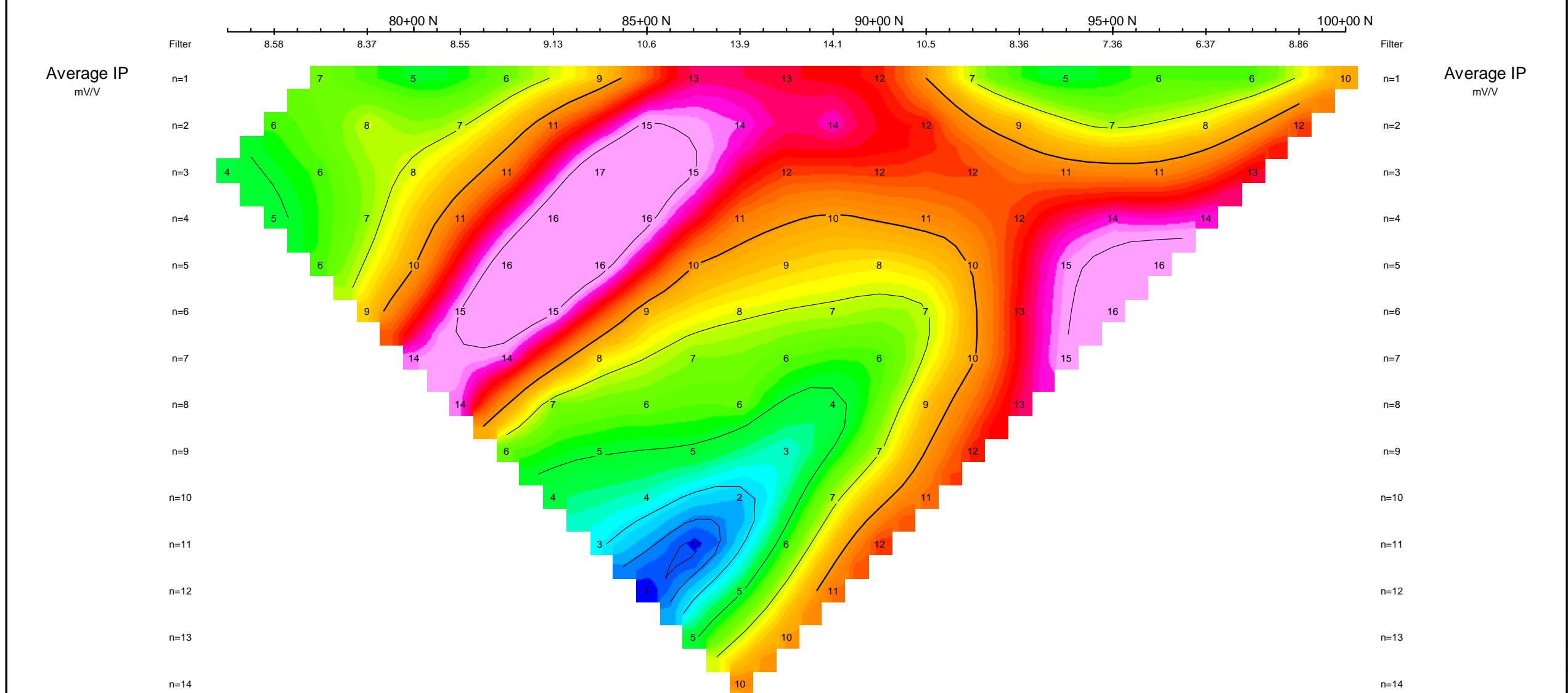
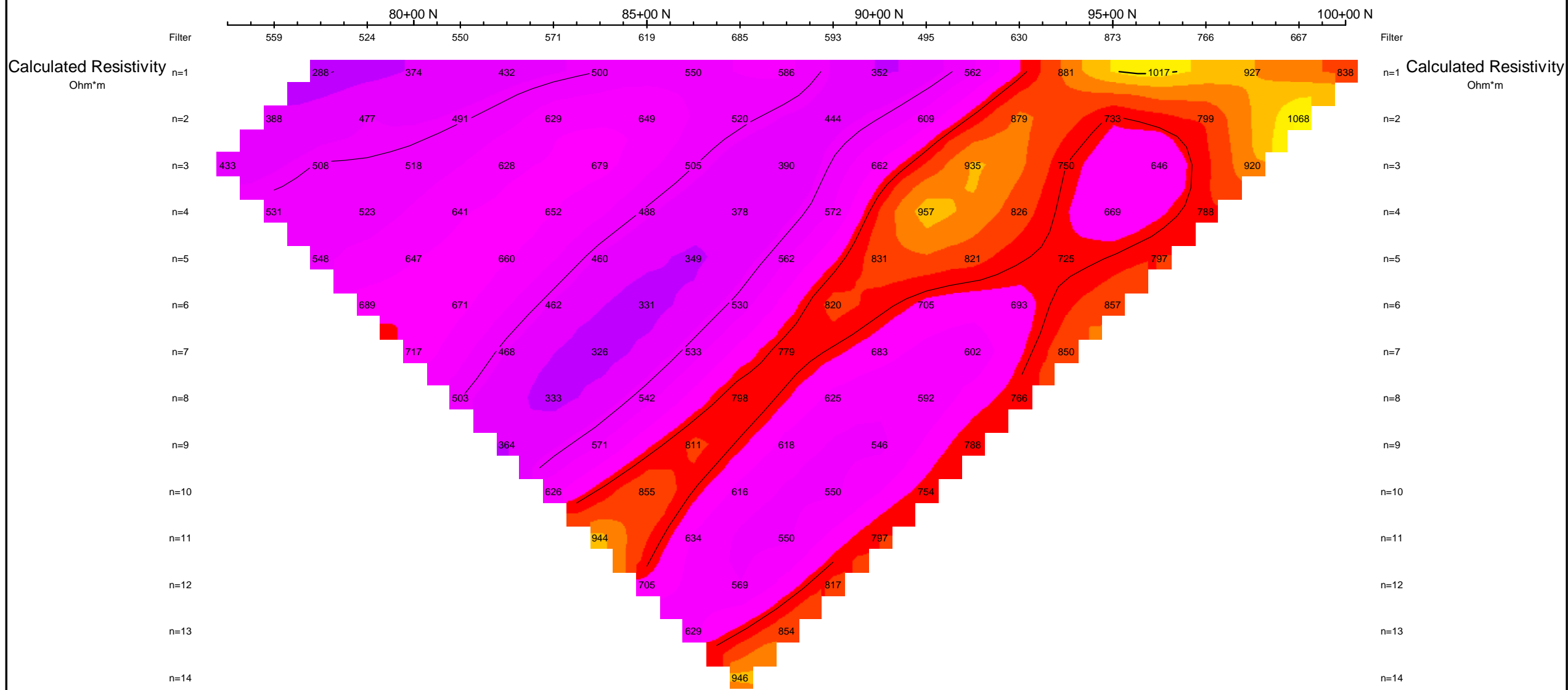
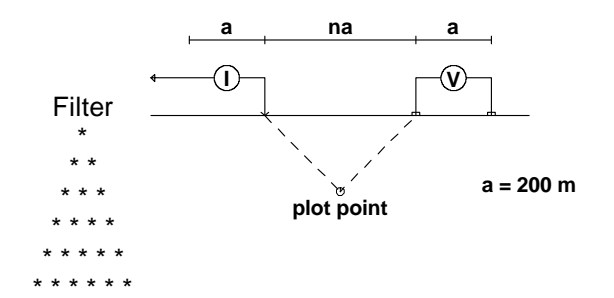
Frequency: 0.125 Hz.

Operators: A.W., T.K., D.C.

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...



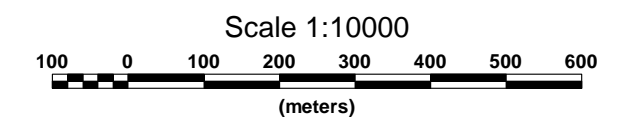
Pole-Dipole Array



Instruments: GDD 5KW Tx, GDD GRX-8 Rx

Frequency: 0.125 Hz.
Operators: A.W., T.K., D.C.

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...



443500E

L3350 E

L3500 E

L3750 E

641000N

N000101F9

6409500N

N005601F9

6409000N

N000601F9

6408500N

N005801F9

6408000N

N000801F9

6407500N

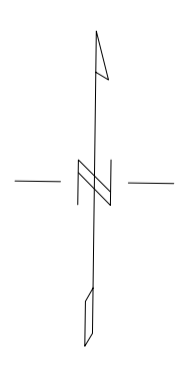
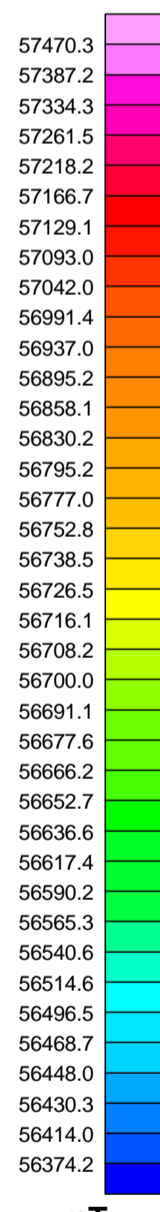
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443500E

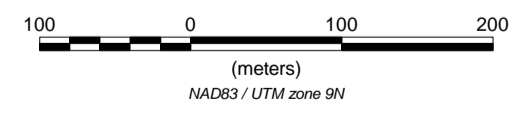
L3350 E

L3500 E

L3750 E



Scale 1:5000



COLORADO RESOURCES LTD.


GROUND MAGNETIC SURVEY
CONTOURS OF TMI (nT)

NORTH ROK PROPERTY
ISKUT, BC
MAY 2014

PETER E. WALCOTT & ASSOCIATES LIMITED

Appendix V










Figure 3 to 11 Maps



Colorado Resources Ltd.
 North ROK - Regional Bedrock Geology
 Figure 3


0 1 2
 Kilometers

1:50,000
 NAD83 UTM Zone 9N
 Map Sheet(s) 104H/13 Lard Mining Division, BC
 Map Author: A. Jacobs 09/12/2014

-  Mineral Occurrence
-  Community
-  Highway
-  Roads
-  Abandoned Railway
-  Major Faults
-  Creeks
-  Lakes
-  North ROK Property











<p>Quaternary</p> <ul style="list-style-type: none">  Alkaline Volcanic Rock <p>Lower Jurassic Hazelton Group</p> <ul style="list-style-type: none">  Basaltic Volcanic Rock  Felsic Volcanic Rock <p>Middle to Upper Jurassic Bowser Lake Group</p> <ul style="list-style-type: none">  Fine Clastic Sedimentary Rock <p>Lower to Middle Jurassic Hazelton Group</p> <ul style="list-style-type: none">  Undivided Volcanic Rock  Marine Sedimentary & Volcanic Rock <p>Spatsizi Group</p> <ul style="list-style-type: none">  Undivided Sedimentary Rock <p>Spatsizi Group - Quock Formation</p> <ul style="list-style-type: none">  Fine Clastic Sedimentary Rock <p>Upper Triassic Stuhini Group</p> <ul style="list-style-type: none">  Marine Sedimentary & Volcanic Rock  Limestone, Marble, Calcareous Sedimentary Rock  Volcaniclastic Rock  Undivided Sedimentary Rock 	<p>Lower Permian Stikine Assemblage</p> <ul style="list-style-type: none">  Limestone, Marble, Calcareous Sedimentary Rock <p>Devonian to Permian Stikine Assemblage</p> <ul style="list-style-type: none">  Marine Sedimentary & Volcanic Rock  Undivided Sedimentary Rock <p>Jurassic to Tertiary</p> <ul style="list-style-type: none">  High Level Quartz Phyric, Felsitic Intrusive Rock <p>Early Jurassic</p> <ul style="list-style-type: none">  Quartz Monzonitic Intrusive Rock  Granite <p>Late Triassic to Early Jurassic</p> <ul style="list-style-type: none">  Syenitic to Monzonitic Intrusive Rock <p>Triassic</p> <ul style="list-style-type: none">  Monzodioritic to Gabbroic Intrusive Rock <p>Devonian to Carboniferous</p> <ul style="list-style-type: none">  Quartz Dioritic Intrusive Rock
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











Geology Source: BC Bedrock Geology

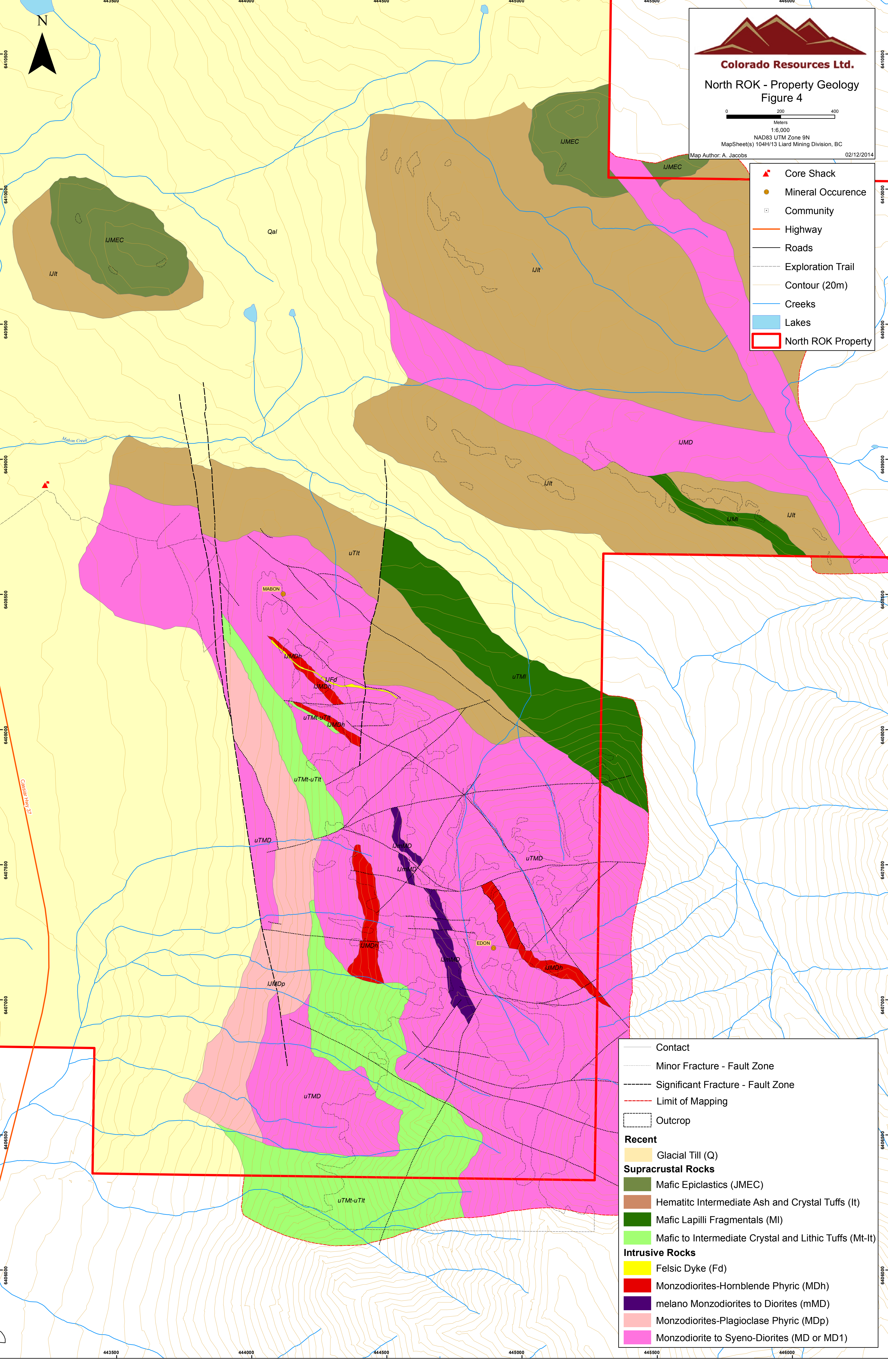


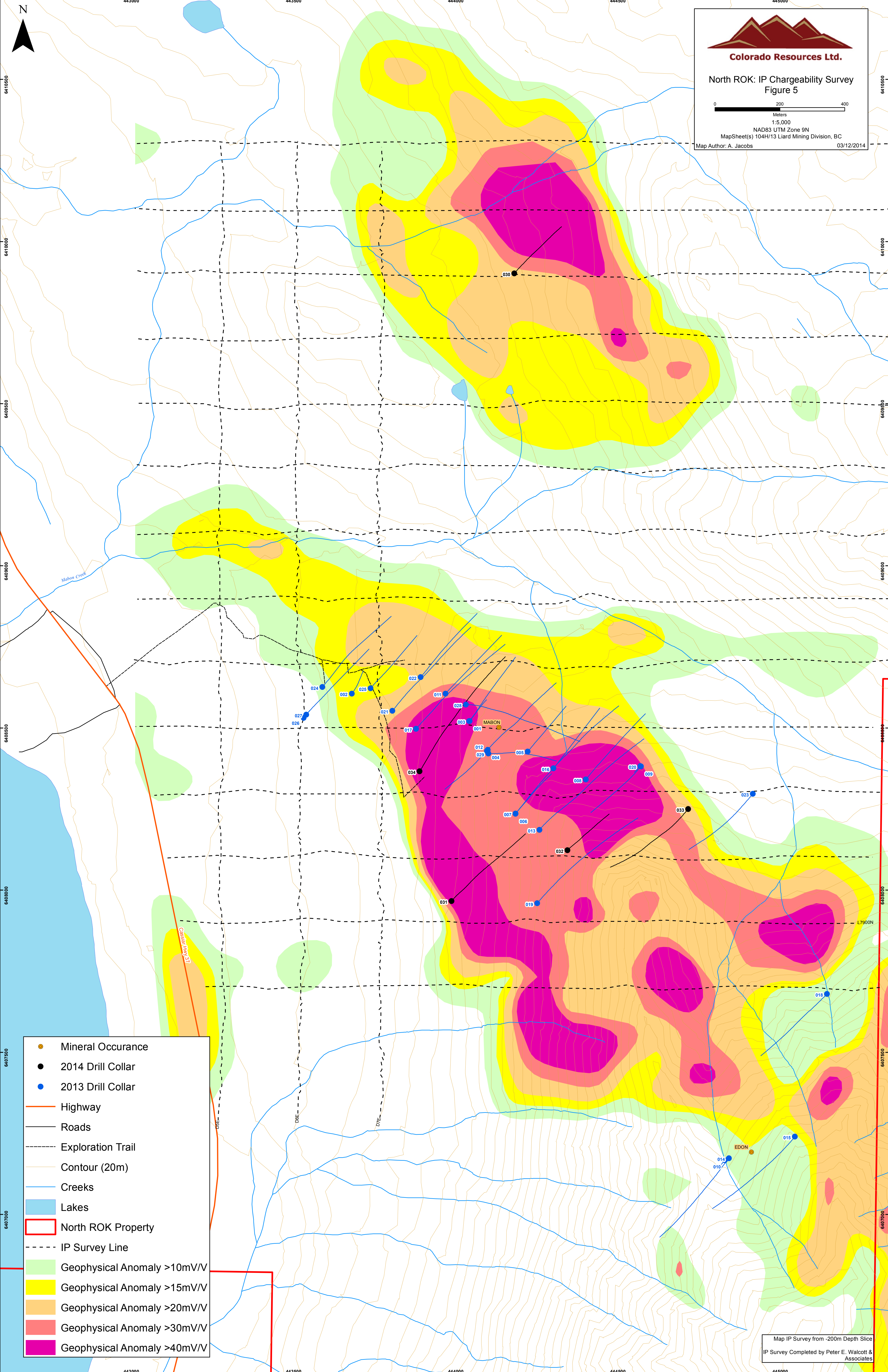
Colorado Resources Ltd.
 North ROK - Property Geology
 Figure 4

0 200 400
 Meters
 1:6,000
 NAD83 UTM Zone 9N
 MapSheet(s) 104H/13 Lizard Mining Division, BC
 Map Author: A. Jacobs 02/12/2014

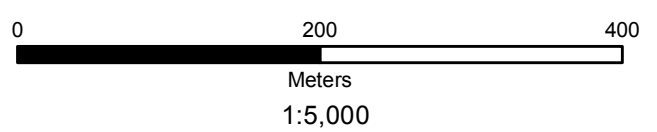
-  Core Shack
-  Mineral Occurrence
-  Community
-  Highway
-  Roads
-  Exploration Trail
-  Contour (20m)
-  Creeks
-  Lakes
-  North ROK Property

-  Contact
 -  Minor Fracture - Fault Zone
 -  Significant Fracture - Fault Zone
 -  Limit of Mapping
 -  Outcrop
- Recent**
-  Glacial Till (Q)
- Supracrustal Rocks**
-  Mafic Epiclastics (JMEC)
 -  Hematitic Intermediate Ash and Crystal Tuffs (It)
 -  Mafic Lapilli Fragmentals (MI)
 -  Mafic to Intermediate Crystal and Lithic Tuffs (Mt-It)
- Intrusive Rocks**
-  Felsic Dyke (Fd)
 -  Monzodiorites-Hornblende Phyric (MDh)
 -  melano Monzodiorites to Diorites (mMD)
 -  Monzodiorites-Plagioclase Phyric (MDp)
 -  Monzodiorite to Syeno-Diorites (MD or MD1)






Colorado Resources Ltd.
 North ROK: IP Chargeability Survey
 Figure 5



1:5,000
 NAD83 UTM Zone 9N
 MapSheet(s) 104H/13 Lizard Mining Division, BC
 Map Author: A. Jacobs 03/12/2014

- Mineral Occurrence
- 2014 Drill Collar
- 2013 Drill Collar
- Highway
- Roads
- Exploration Trail
- Contour (20m)
- Creeks
- Lakes
- North ROK Property
- IP Survey Line
- Geophysical Anomaly >10mV/V
- Geophysical Anomaly >15mV/V
- Geophysical Anomaly >20mV/V
- Geophysical Anomaly >30mV/V
- Geophysical Anomaly >40mV/V

Map IP Survey from -200m Depth Slice
 IP Survey Completed by Peter E. Walcott & Associates

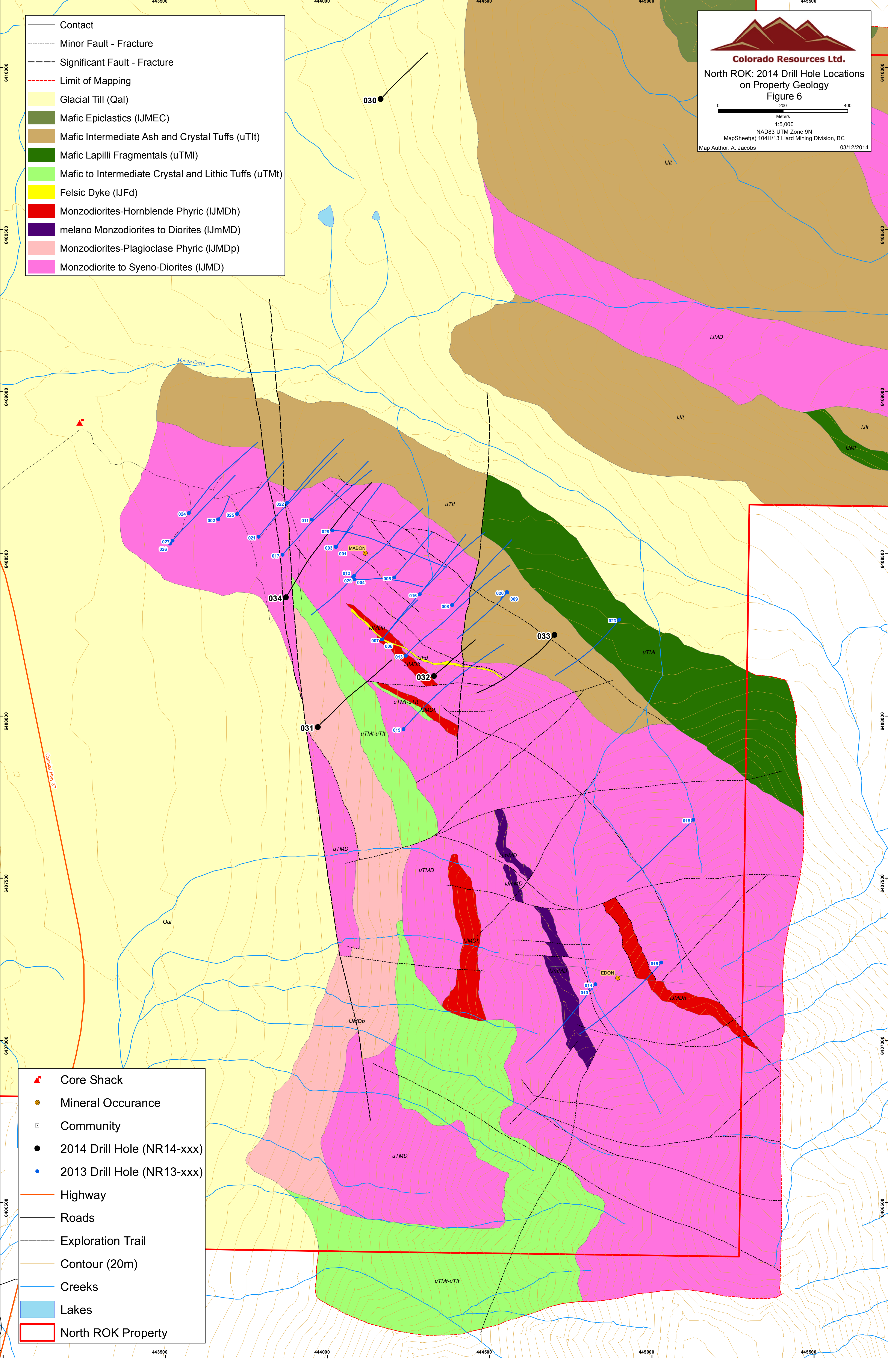


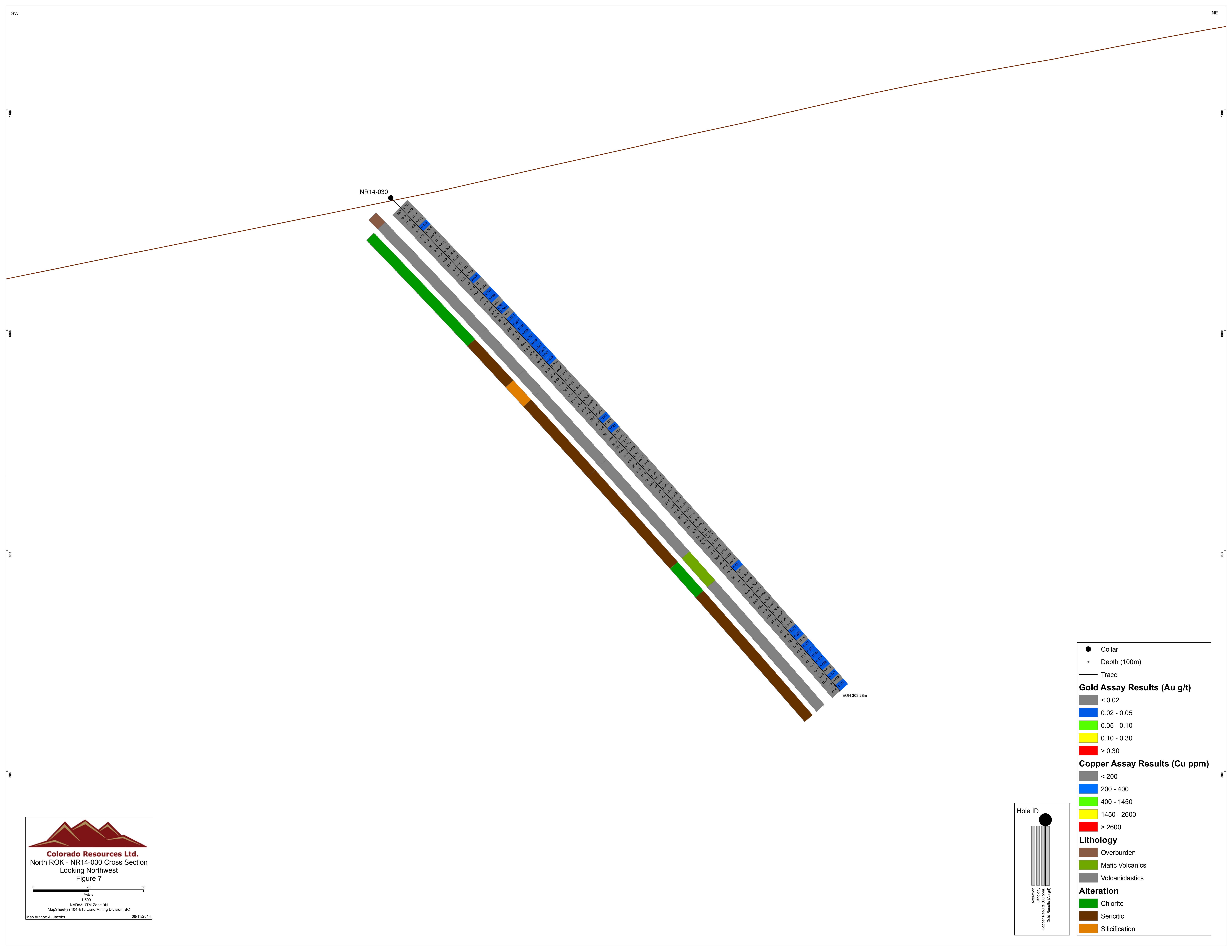
Colorado Resources Ltd.
 North ROK: 2014 Drill Hole Locations
 on Property Geology
 Figure 6

0 200 400
 Meters
 1:5,000
 NAD83 UTM Zone 9N
 MapSheet(s) 104H/13 Liard Mining Division, BC
 Map Author: A. Jacobs 03/12/2014

- Contact
- Minor Fault - Fracture
- - - Significant Fault - Fracture
- - - Limit of Mapping
- Glacial Till (Qal)
- Mafic Epiclastics (JMEC)
- Mafic Intermediate Ash and Crystal Tuffs (uTIt)
- Mafic Lapilli Fragmentals (uTMI)
- Mafic to Intermediate Crystal and Lithic Tuffs (uTMt)
- Felsic Dyke (IJFd)
- Monzodiorites-Hornblende Phyric (IJMDh)
- melano Monzodiorites to Diorites (IJmMD)
- Monzodiorites-Plagioclase Phyric (IJMDp)
- Monzodiorite to Syeno-Diorites (IJMD)

- ▲ Core Shack
- Mineral Occurance
- Community
- 2014 Drill Hole (NR14-xxx)
- 2013 Drill Hole (NR13-xxx)
- Highway
- Roads
- Exploration Trail
- Contour (20m)
- Creeks
- Lakes
- North ROK Property





NR14-030

EOH 303.28m

Colorado Resources Ltd.
 North ROK - NR14-030 Cross Section
 Looking Northwest
 Figure 7

0 25 50
 Meters

1:500
 NAD83 UTM Zone 9N
 MapSheet(s) 104H13 Lard Mining Division, BC
 Map Author: A. Jacobs 06/11/2014

● Collar
 + Depth (100m)
 — Trace

Gold Assay Results (Au g/t)

0.02 - 0.05
 0.05 - 0.10
 0.10 - 0.30
 > 0.30

Copper Assay Results (Cu ppm)

< 200
 200 - 400
 400 - 1450
 1450 - 2600
 > 2600

Lithology

Overburden
 Mafic Volcanics
 Volcaniclastics

Alteration

Chlorite
 Sericitic
 Silicification

Hole ID

Alteration
 Copper Results (Cu ppm)
 Gold Results (Au g/t)

SW

NE

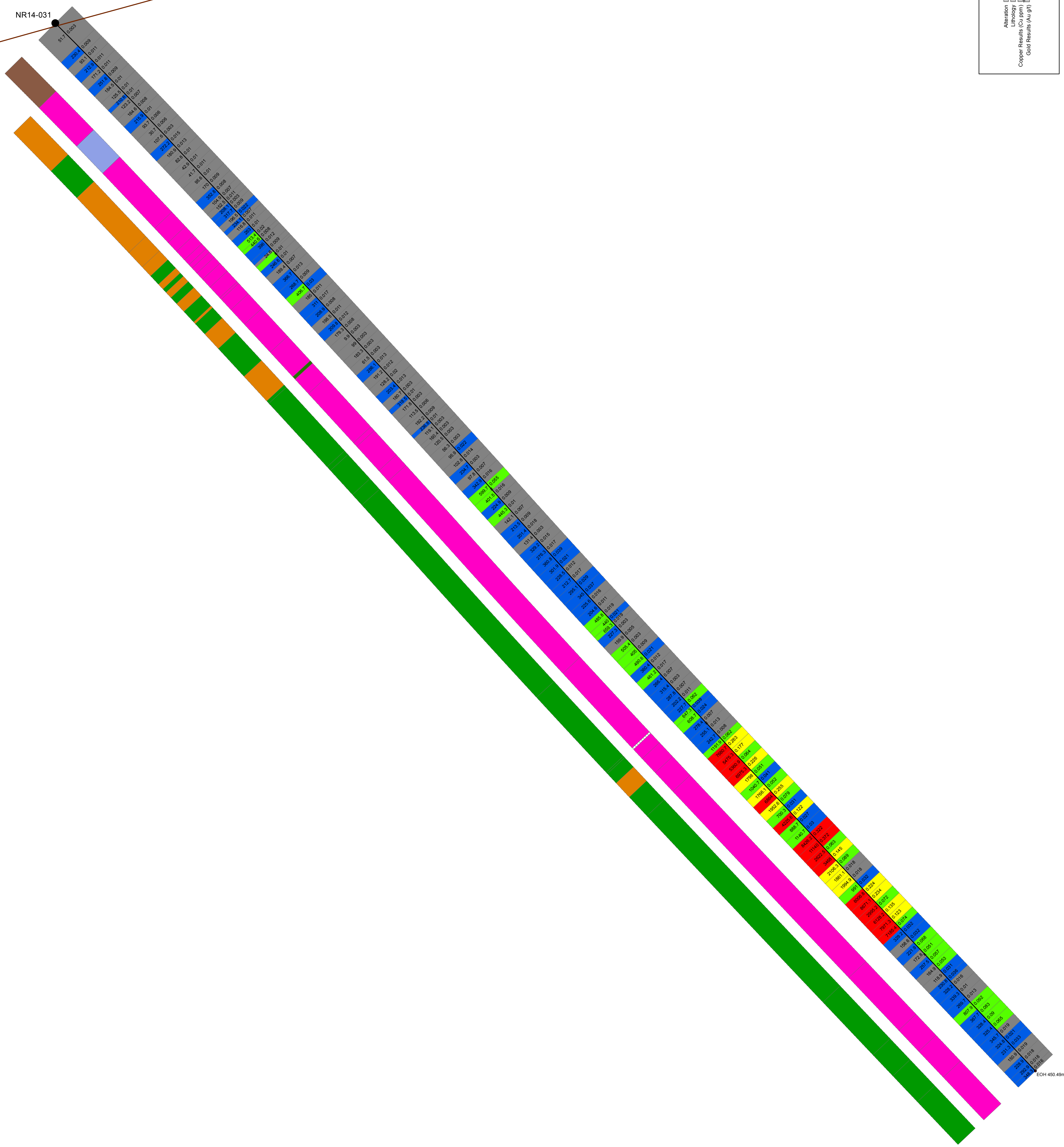
1000

900

800

700

NR14-031



Hole ID

- Collar
- + Depth (100m)
- Trace

Gold Assay Results (Au g/t)

- > 0.02
- 0.02 - 0.05
- 0.05 - 0.10
- 0.10 - 0.30
- > 0.30

Copper Assay Results (Cu ppm)

- < 200
- 200 - 400
- 400 - 1450
- 1450 - 2600
- > 2600

Lithology

- Overburden
- Diabase
- Fault
- Mafic Dyke
- Monzodiorite

Alteration

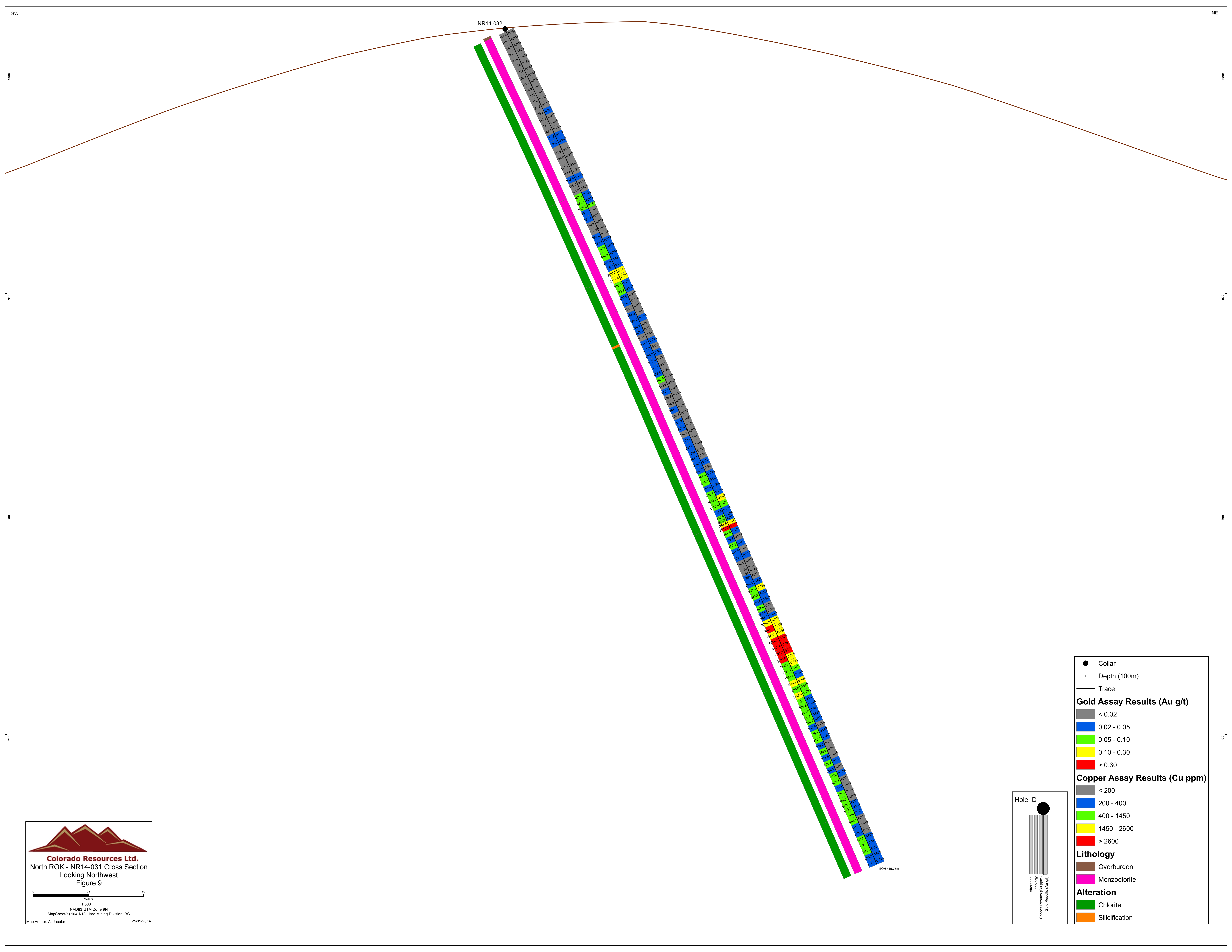
- Chlorite
- Silicification

Colorado Resources Ltd.
 North ROK - NR14-031 Cross Section
 Looking Northwest
 Figure 8

0 25 50
Meters

1:500
 NAD83 UTM Zone 9N
 MapSheet(s) 104H13 Lard Mining Division, BC
 Map Author: A. Jacobs 06/11/2014

EDH 450.49m



NR14-032

EDH 415.75m

Colorado Resources Ltd.
 North ROK - NR14-031 Cross Section
 Looking Northwest
 Figure 9

0 25 50
 Meters
 1:500
 NAD83 UTM Zone 9N
 MapSheet(s) 104H/13 Llard Mining Division, BC
 Map Author: A. Jacobs 25/11/2014

Hole ID

● Collar
 + Depth (100m)
 — Trace

Gold Assay Results (Au g/t)

■ < 0.02
 ■ 0.02 - 0.05
 ■ 0.05 - 0.10
 ■ 0.10 - 0.30
 ■ > 0.30

Copper Assay Results (Cu ppm)

■ < 200
 ■ 200 - 400
 ■ 400 - 1450
 ■ 1450 - 2600
 ■ > 2600

Lithology

■ Overburden
 ■ Monzodiorite

Alteration

■ Chlorite
 ■ Silicification

Alteration
 Lithology
 Copper Results (Cu ppm)
 Gold Results (Au g/t)



Colorado Resources Ltd.
 North ROK - NR14-031 Cross Section
 Looking Northwest
 Figure 10

0 25 50
 Meters
 1:500
 NAD83 UTM Zone 9N
 MapSheet(s) 104H/13 Lard Mining Division, BC
 Map Author: A. Jacobs 06/11/2014

● Collar
 + Depth (100m)
 — Trace

Gold Assay Results (Au g/t)
 < 0.02
 0.02 - 0.05
 0.05 - 0.10
 0.10 - 0.30
 > 0.30

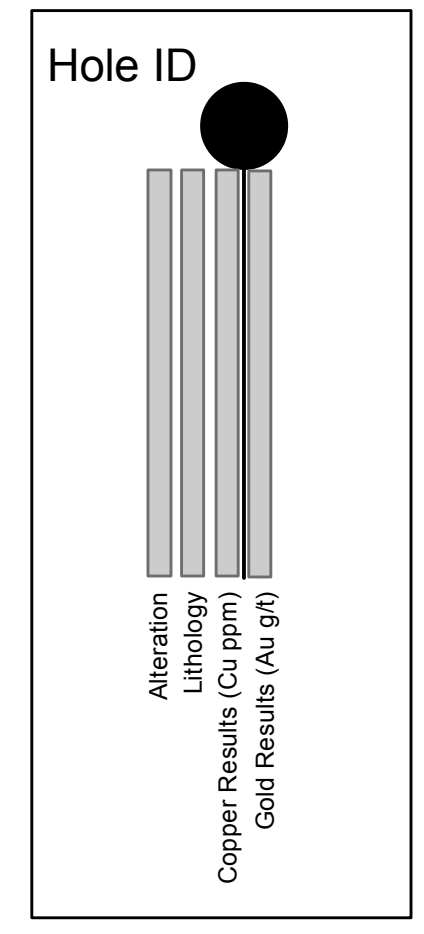
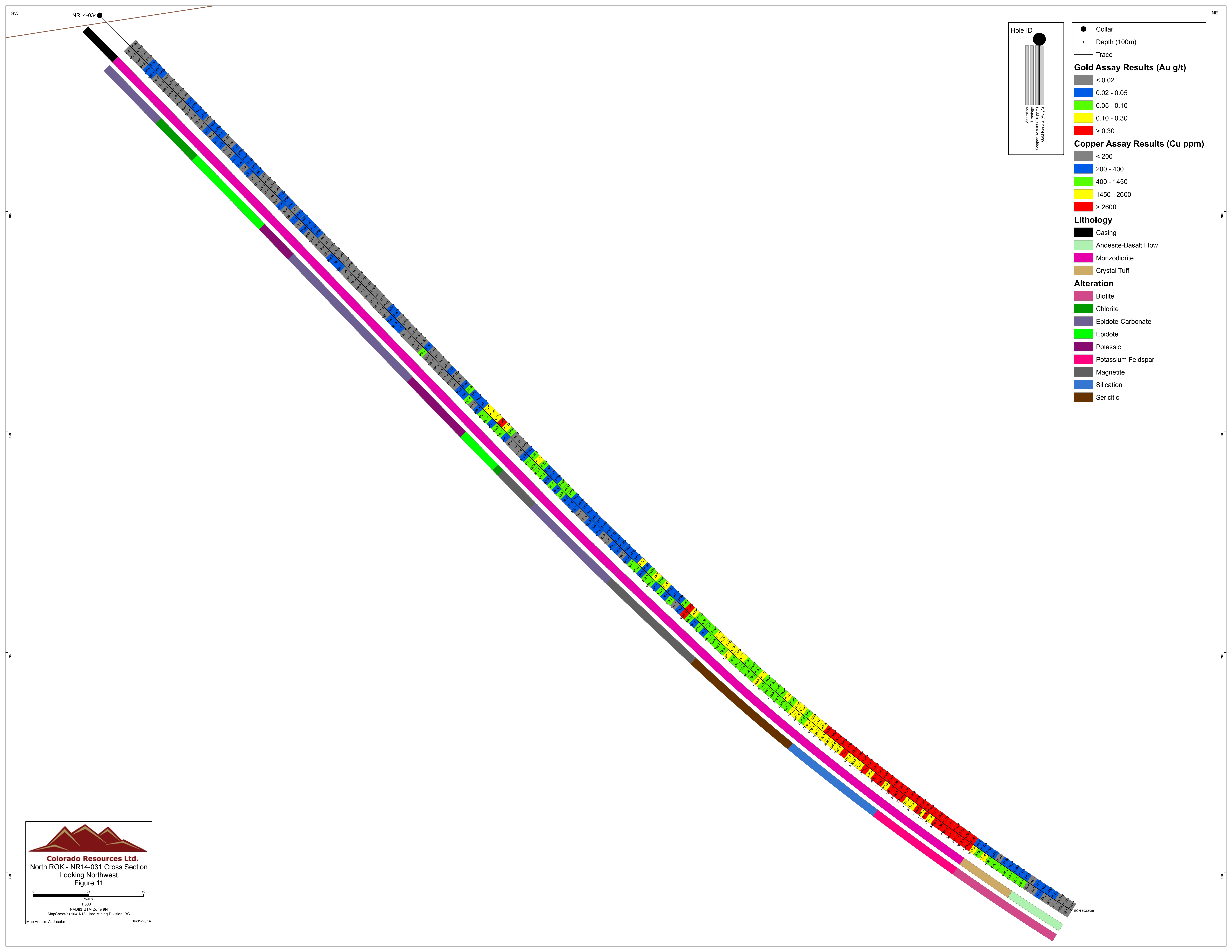
Copper Assay Values (Cu ppm)
 < 200
 200 - 400
 400 - 1450
 1450 - 2600
 > 2600

Lithology
 Overburden
 Felsic Volcanics
 Homblende Phyrlic Monzodiorites
 Mafic Volcanics
 Rhyolite
 Volcaniclastics

Alteration
 Chlorite
 Quartz
 Silicification

Hole ID

Alteration
 Lithology
 Copper Results (Cu ppm)
 Gold Results (Au g/t)



- Collar
 - + Depth (100m)
 - Trace
- Gold Assay Results (Au g/t)**
- < 0.02
 - 0.02 - 0.05
 - 0.05 - 0.10
 - 0.10 - 0.30
 - > 0.30
- Copper Assay Results (Cu ppm)**
- < 200
 - 200 - 400
 - 400 - 1450
 - 1450 - 2600
 - > 2600
- Lithology**
- Casing
 - Andesite-Basalt Flow
 - Monzodiorite
 - Crystal Tuff
- Alteration**
- Biotite
 - Chlorite
 - Epidote-Carbonate
 - Epidote
 - Potassic
 - Potassium Feldspar
 - Magnetite
 - Silication
 - Sericitic

Colorado Resources Ltd.
 North ROK - NR14-031 Cross Section
 Looking Northwest
 Figure 11

0 25 50
 Meters
 1:500
 NAD83 UTM Zone 9N
 MapSheet(s) 104H13 Lizard Mining Division, BC
 Map Author: A. Jacobs 06/11/2014

EON 602.59m

Appendix II

2013 & 2014 Drill Table Location

2014 Drill Hole Logs

Assay Certificates

Colorado Resources 2013 & 2014 Drill Location Table

Hole	Length (m)	Target	UTM Grid	UTM East	UTM North	Elevation (m)	Azimuth	Dip	Hole Diameter	Core_Size	Casing Depth(m)	Drill Company	Drill Rig	Drill Started	Drill Completed
NR13-001	335.00	Mabon	NAD83_Z9	444025.98	6408521.21	1015.94	40	-45	4 3/4	NQ	3.00	Tahltnan	Rig1	22/03/2013	29/03/2013
NR13-002	189.35	Mabon	NAD83_Z9	443662.56	6408606.03	932.15	30	-65	4 3/4	NQ	35.00	Tahltnan	Rig1	30/03/2013	04/04/2013
NR13-003	593.14	Mabon	NAD83_Z9	444025.06	6408521.40	1015.52	40	-80	4 3/4	NQ	3.00	Tahltnan	Rig1	02/05/2013	08/05/2013
NR13-004	409.96	Mabon	NAD83_Z9	444082.06	6408432.36	1038.05	40	-45	4 3/4	NQ	6.00	Tahltnan	Rig1	08/05/2013	15/06/2013
NR13-005	314.02	Mabon	NAD83_Z9	444205.46	6408427.28	1070.42	40	-55	4 3/4	NQ	15.05	Black Hawk	Rig1	22/06/2013	26/06/2013
NR13-006	524.51	Mabon	NAD83_Z9	444167.50	6408235.61	1091.90	40	-70	4 3/4	NQ	3.04	Black Hawk	Rig1	27/05/2013	03/07/2013
NR13-007	637.03	Mabon	NAD83_Z9	444167.70	6408235.95	1091.90	40	-45	4 3/4	NQ	12.20	Black Hawk	Rig1	03/07/2013	29/09/2013
NR13-008	391.06	Mabon	NAD83_Z9	444383.98	6408341.17	1120.60	40	-45	4 3/4	NQ	12.20	Black Hawk	Rig1	08/07/2013	13/07/2013
NR13-009	299.94	Mabon	NAD83_Z9	444554.42	6408381.54	1108.49	220	-45	4 3/4	NQ	18.24	Black Hawk	Rig1	13/07/2013	20/07/2013
NR13-010	32.00	Edon	NAD83_Z9	444813.00	6407167.00	1468.00	220	-45	4 3/4	NQ	12.00	Black Hawk	Rig1	23/07/2013	24/07/2013
NR13-011	351.43	Mabon	NAD83_Z9	443951.66	6408605.82	983.27	40	-45	4 3/4	NQ	6.00	Black Hawk	Rig1	24/07/2013	28/07/2013
NR13-012	300.84	Mabon	NAD83_Z9	444079.32	6408429.22	1042.90	220	-55	4 3/4	NQ	7.77	Black Hawk	Rig1	29/07/2013	31/07/2013
NR13-013	564.79	Mabon	NAD83_Z9	444241.25	6408185.91	1146.55	40	-45	4 3/4	NQ	3.10	Black Hawk	Rig1	31/07/2013	07/08/2013
NR13-014	461.16	Edon	NAD83_Z9	444825.86	6407172.94	1468.04	220	-45	4 3/4	NQ	6.09	Black Hawk	Rig1	08/08/2013	14/08/2013
NR13-015	497.74	Edon	NAD83_Z9	445029.03	6407239.50	1569.31	220	-45	4 3/4	NQ	3.05	Black Hawk	Rig1	15/08/2013	21/08/2013
NR13-016	341.07	Mabon	NAD83_Z9	444284.67	6408375.24	1107.60	40	-45	4 3/4	NQ	10.00	Black Hawk	Rig1	21/08/2013	25/08/2013
NR13-017	528.22	Mabon	NAD83_Z9	443861.26	6408496.95	956.74	40	-45	4 3/4	NQ	18.29	Black Hawk	Rig1	26/08/2013	02/09/2013
NR13-018	407.82	Edon	NAD83_Z9	445127.87	6407680.00	1326.89	220	-45	4 3/4	NQ	6.06	Black Hawk	Rig1	03/09/2013	08/09/2013
NR13-019	526.39	Mabon	NAD83_Z9	444234.38	6407959.35	1139.47	40	-45	4 3/4	NQ	12.20	Black Hawk	Rig1	09/09/2013	16/09/2013
NR13-020	379.48	Mabon	NAD83_Z9	444552.50	6408381.96	1109.13	220	-85	4 3/4	NQ	25.90	Black Hawk	Rig1	16/09/2013	21/09/2013
NR13-021	467.56	Mabon	NAD83_Z9	443787.80	6408552.94	944.32	40	-45	4 3/4	NQ	20.70	Black Hawk	Rig2	17/09/2013	24/09/2013
NR13-022	367.28	Mabon	NAD83_Z9	443875.01	6408656.34	963.63	40	-45	4 3/4	NQ	21.34	Black Hawk	Rig2	25/09/2013	28/09/2013
NR13-023	352.04	Mabon	NAD83_Z9	444899.48	6408297.19	1104.04	220	-45	4 3/4	NQ	42.67	Black Hawk	Rig1	29/09/2013	07/10/2013
NR13-024	422.92	Mabon	NAD83_Z9	443572.34	6408626.02	925.25	40	-45	4 3/4	NQ	67.06	Black Hawk	Rig2	01/10/2013	08/10/2013
NR13-025	289.56	Mabon	NAD83_Z9	443720.94	6408622.50	938.08	40	-45	4 3/4	NQ		Black Hawk	Rig1	08/10/2013	13/10/2013
NR13-026	42.67	Mabon	NAD83_Z9	443514.00	6408531.00	907.00	40	-45	4 3/4	NQ		Black Hawk	Rig2	08/10/2013	11/10/2013
NR13-027	404.16	Mabon	NAD83_Z9	443522.27	6408540.66	919.26	40	-45	4 3/4	NQ		Black Hawk	Rig2	11/10/2013	17/10/2013
NR13-028	481.58	Mabon	NAD83_Z9	444014.38	6408572.00	1019.56	90	-50	4 3/4	NQ		Black Hawk	Rig1	13/10/2013	18/10/2013
NR13-029	532.49	Mabon	NAD83_Z9	444083.59	6408421.00	1045.00	90	-65	4 3/4	NQ		Black Hawk	Rig2	18/10/2013	24/10/2013
NR14-030	303.28	North Mabon	NAD83_Z9	444164.00	6409902.00	1045.00	40	-45	4 3/4	NQ	6.10	Black Hawk	Rig1	13/05/2014	16/05/2014
NR14-031	450.49	Mabon	NAD83_Z9	443970.00	6407966.00	1020.00	40	-45	4 3/4	NQ	15.24	Black Hawk	Rig1	16/05/2014	21/05/2014
NR14-032	415.75	Mabon	NAD83_Z9	444328.00	6408125.00	1198.00	40	-65	4 3/4	NQ	3.04	Black Hawk	Rig1	21/05/2014	27/05/2014
NR14-033	419.10	Mabon	NAD83_Z9	444700.00	6408250.00	1145.00	220	-45	4 3/4	NQ	10.60	Black Hawk	Rig1	28/05/2014	02/06/2014
NR14-034	602.59	Mabon	NAD83_Z9	443872.00	6408366.00	989.00	32	-45	4 3/4	NQ	19.45	Black Hawk	Rig2	03/06/2014	12/06/2014



GeoSpark: Drill Hole Report

Project: NROK

Hole: NR14-030

Prospect:	North Mabon	Survey Type:	GPS	Logged By:	G. Dessureau	Steel Lost In Hole:	<input type="checkbox"/>
Prop. Grid:	NAD83_Z9	Survey By:	G. Dessureau	Date Started:	14/05/2014	Depth Steel Lost:	
Prop. East:	444175	Azimuth:	40	Date Completed:	16/05/2014	Steel Lost Inventory:	
Prop. North:	6409900	Dip:	-45	Drill Company:	Black Hawk	Hole Cemented:	<input type="checkbox"/>
Prop. Elevation (m):	1060	Length (m):	303.28	Drill Rig:	Rig1	Bags of Cement:	
Final UTM Grid	NAD83_Z9	Hole Type:	DD	Drill Started:	13/05/2014	Artesian Hole:	<input type="checkbox"/>
UTM East:	444164	Hole Diameter:	4 3/4	Drill Completed	16/05/2014	Artesian Flow	
UTM North:	6409902	Core Size:	NQ	Reduced Depth:		Comments:	
UTM Elevation (m):	1045	Casing Pulled?:	<input type="checkbox"/>	Reduced Size:			
		Casing Depth (m):	6.1				

Comments:

This hole intersected mafic, intermediate, and felsic volcanic and volcanoclastic rocks (Hazelton Group). The dominant volcanic rock was a weak to moderately magnetic, intermediate feldspar crystal-lithic ash tuff with very fine primary magnetite. Several smaller (1-5m) beds of more mafic tuffs, often with small (<1mm) hornblende crystals were intersected downhole, along with mafic flows/dykes and minor felsic ash tuffs near the bottom of the hole.

Alteration was dominantly weak, pervasive sericite-chlorite alteration with minor zones of more siliceous alteration and minor zones of epidote alteration. Mineralization was dominantly fine grained disseminated pyrite with narrow (1-2mm) pyrite veinlets. No visible chalcopyrite.

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
9.1	ReflexEZS	Unknown	13/05/2014	-45.9	21.1	21.5	42.6	5646	<input checked="" type="checkbox"/>	
74.7	ReflexEZS	Unknown	14/05/2014	-46.9	22.3	21.5	43.8	5570	<input checked="" type="checkbox"/>	
126.5	ReflexEZS	Unknown	14/05/2014	-47.4	23.6	21.5	45.1	5650	<input checked="" type="checkbox"/>	
178.3	ReflexEZS	Unknown	14/05/2014	-47.9	24.8	21.5	46.3	5636	<input checked="" type="checkbox"/>	
239.3	ReflexEZS	Unknown	15/05/2014	-48.4	23.5	21.5	45	5598	<input checked="" type="checkbox"/>	
291.1	ReflexEZS	Unknown	15/05/2014	-48.5	28.3	21.5	49.8	5564	<input checked="" type="checkbox"/>	



GeoSpark: Drill Hole Report

Hole: NR14-030

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
0.00	6.00	OVB Overburden									
0 - 6: Casing - no recovery.											
6.00	72.90	VC Volcaniclastics green-grey FG	6.00	9.00	3.00	1626451	0.007	0.1	16.7	4	111
6 - 72.9: Light to medium grey to greenish grey (weakly brownish-maroon-grey), fine grained, intermediate volcaniclastic rocks. Hazelton Group. Dominantly crystal-lithic, ash tuff, with abundant 0.5-1mm feldspar crystals and rare 0.5-2cm lithic clasts within a very fine grained medium-dk grey matrix. Several sharp contacts suggest weak thick (5-10m) bedding at ~20o to ca.											
Weak pervasive, chlorite-sericite alteration.											
Cut by common narrow (1-2mm) quartz carbonate (calcite and ankerite) veins, cut by common narrow (1-2mm epidote veins) cut by rare narrow (1mm) pyrite veins. Carbonate vein density increases around faulted (broken) material.											
Fine to very finely disseminated pyrite with narrow pyrite veinlets. Pyrite concentrations increase near fractures up to 1-2% locally.											
Weakly to locally moderately magnetic.											
<<Min: 6 - 72.9: 1% pyrite / 0.5% pyrite>>											
<<Alt: 6 - 72.9: trace (trace to 1%) Chlorite / trace (trace to 1%) Sericitic>> Weak pervasive chlorite alteration with weak patchy sericite alteration around fracture zones.											
<<Vein: 6 - 41.5: 1% Calcium carbonate/Carbonate / 0.5% Epidote / 0.5% Pyrite>>											
<<Vein: 41.5 - 46.5: 10% Calcium carbonate/Carbonate>>											
<<Vein: 46.5 - 72.9: 1% Calcium carbonate/Carbonate / 0.5% Epidote / 0.5% Pyrite>>											
<<Struc: 18.35 - 19.07: moderate (3-5%) Fault Zone 50 deg. >>											
	9.00		9.00	12.00	3.00	1626452	0.013	0.6	12.6	7.9	97
	12.00		12.00	15.00	3.00	1626453	0.016	0.4	27.6	14.4	75
	15.00		15.00	18.00	3.00	1626454	0.015	0.2	14.2	11	83
	18.00		18.00	21.00	3.00	1626455	0.022	0.5	9.4	49.4	115
	21.00		21.00	24.00	3.00	1626456	0.006	0.1	12.2	9.7	121
	24.00		24.00	27.00	3.00	1626457	0.012	0.2	15.2	13.2	116
	27.00		27.00	30.00	3.00	1626458	0.012	0.3	24.1	23.6	93
	30.00		30.00	33.00	3.00	1626459	0.019	0.2	18.9	27.9	82
	33.00		33.00	36.00	3.00	1626461	0.009	0.05	11.4	3	65
	36.00		36.00	39.00	3.00	1626462	0.005	0.05	15.8	4.8	77
	39.00		39.00	42.00	3.00	1626463	0.007	0.05	11.6	3.6	88
	42.00		42.00	45.00	3.00	1626464	0.01	0.2	18.7	11.3	112
	45.00		45.00	48.00	3.00	1626465	0.017	0.2	24.9	5.4	117



GeoSpark: Drill Hole Report

Hole: NR14-030

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
98.50	110.50	VC Volcaniclastics	light grey	FG							
		98.5 - 110.5: Light grey, fine grained, intermediate volcaniclastic rocks. Hazelton Group. Dominantly crystal-lithic, ash tuff, with abundant 0.5-1mm feldspar crystals within a very fine grained light grey matrix.									
		Alteration is weak to moderate pervasive, quartz-sericite-pyrite alteration with alteration intensity increasing around 1-5cm fractures zones with white, bleached vein selvages.									
		Cut by common narrow (1-2mm) quartz carbonate (calcite and ankerite) veins (~30o ca), cut by common narrow (1-2mm epidote veins) cut by rare narrow (1mm) pyrite veins. Carbonate vein density increases around faulted (broken) material. Cut by rare 1-2cm banded (weakly vuggy) quartz+pyrite veins at ~30o ca.									
		Fine to very finely disseminated pyrite with narrow pyrite veinlets. Quartz pyrite veins can contain large (1-2) splashy wisps of pyrite. Pyrite concentrations increase near fractures up to 1-2% locally. Pyrite content increasing slightly downhole.									
		<<Min: 98.5 - 110.5: 4% pyrite / 2% pyrite>>	101.50	104.50	3.00	1626487	0.029	0.1	48.1	10.8	68
		<<Alt: 98.5 - 110.5: weak (1-3%) Silicification / weak (1-3%) Sericitic / weak (1-3%) Pyrite>>	104.50	107.50	3.00	1626488	0.014	0.05	29.5	6.9	61
		<<Vein: 98.5 - 110.5: 5% Quartz / 1% Epidote / 2% Pyrite>>	107.50	110.50	3.00	1626489	0.006	0.1	33.8	10.3	85
		<<Struc: 99.9 - 100.2: moderate (3-5%) Veining - fracture fill 30 deg. >> banded quartz pyrite vein.									
110.50	153.90	VC Volcaniclastics	light green-grey	FG							
		110.5 - 153.9: Light to medium grey to greenish grey (weakly brownish-maroon-grey), fine grained, intermediate volcaniclastic rocks. Hazelton Group. Dominantly crystal-lithic, ash tuff, with abundant 0.5-1mm feldspar crystals and rare 0.5-2cm lithic clasts within a very fine grained medium-dk grey matrix. Several sharp contacts suggest weak thick (5-10m) bedding at ~20o to ca.									
		Weak pervasive, chlorite-sericite alteration.									
		Cut by common narrow (1-2mm) quartz carbonate (calcite and ankerite) veins (~30o ca), cut by common narrow (1-2mm epidote veins) cut by rare narrow (1mm) pyrite veins. Carbonate vein density increases around faulted (broken) material. Cut by rare 1-2cm banded (weakly vuggy) quartz+pyrite veins at ~30o ca.									
		Fine to very finely disseminated pyrite with narrow pyrite veinlets. Pyrite concentrations increase near fractures up to 1-2% locally. Pyrite content increasing slightly downhole.									
		Brecciation increases downhole.									



GeoSpark: Drill Hole Report

Hole: NR14-030

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<<Min: 110.5 - 153.9: 2% pyrite / 1% pyrite>>			113.50	116.50	3.00	1626492	0.011	0.05	28.4	5.2	63
<<Alt: 110.5 - 153.9: trace (trace to 1%) Sericitic / trace (trace to 1%) Silicification / trace (trace to 1%) Chlorite >>			116.50	119.50	3.00	1626493	0.01	0.05	34.7	5.5	101
<<Vein: 110.5 - 153.9: 5% Calcium carbonate/Carbonate / 1% Epidote / 1% Pyrite>>			119.50	122.50	3.00	1626494	0.008	0.1	51.2	3.8	128
			122.50	125.50	3.00	1626495	0.011	0.1	131.8	5	137
			125.50	128.50	3.00	1626496	0.008	0.2	24.9	11.3	104
			128.50	131.50	3.00	1626497	0.009	0.2	31.9	12.7	111
			131.50	134.50	3.00	1626498	0.015	0.2	27.8	15.6	124
			134.50	137.50	3.00	1626499	0.014	0.2	39.6	14.3	115
			137.50	140.50	3.00	1626501	0.021	0.2	58.2	14.2	96
			140.50	143.50	3.00	1626502	0.015	0.1	77.4	5.4	94
			143.50	146.50	3.00	1626503	0.021	0.1	83.1	12.1	75
			146.50	149.50	3.00	1626504	0.013	0.1	35.6	11.6	82
			149.50	152.50	3.00	1626505	0.016	0.3	56.2	9.3	98
			152.50	153.90	1.40	1626506	0.017	0.2	34.1	5.5	86
			153.90	156.90	3.00	1626507	0.012	0.3	40.2	9.5	93

153.90 176.40 VC Volcaniclastics light grey FG

153.9 - 176.4: Light grey, intermediate volcaniclastic rock. (Hazelton Group). Consisting of dominantly feldspar crystal-ash tuff. Abundant 0.5-2mm feldspar crystals in a light grey matrix. Rock mass is brecciated and locally strongly brecciated with open space between breccia fragments, some open space filling (i.e vuggy veins of euhedral quartz and or pyrite crystals)

Alteration consists of moderate pervasive sericite (minor quartz) with patchy strong quartz-sericite-pyrite alterations zones.

Cut by abundant narrow quartz-pyrite veinlets, cut by abundant narrow quartz-carbonate veinlets, cut by abundant narrow pyrite veinlets.

Mineralization is dominantly fine grained disseminated pyrite (up to 5%), with up to 2% narrow pyrite veinlets.

<<Min: 153.9 - 176.4: 5% pyrite / 2% pyrite>>	156.90	159.90	3.00	1626508	0.013	0.2	47.6	5.3	101
<<Alt: 153.9 - 176.4: moderate (3-5%) Sericitic / weak (1-3%) Silicification / weak (1-3%) Pyrite>>	159.90	162.90	3.00	1626509	0.01	0.2	44.1	5.7	91
<<Vein: 153.9 - 176.4: 5% Quartz / 2% Pyrite / 1% Epidote>>	162.90	165.90	3.00	1626510	0.013	0.2	66.3	4.5	66
	165.90	168.90	3.00	1626511	0.016	0.2	54.3	4.3	61



GeoSpark: Drill Hole Report

Hole: NR14-030

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm		
210.20	227.80	MV Mafic Volcanics	dark green	FMG	210.20	213.20	3.00	1626529	0.017	0.4	86.8	5.5	213
<p>210.2 - 227.8: Medium to dark green, to greenish grey, fine to medium grained, intermediate to mafic volcanoclastics, possible flows or dykes. One flow (dyke?) is hornblende phyric with 0.5-1mm euhedral hornblende crystals. Contacts are generally sharp at ~300 ca.</p> <p>Alteration is weak to moderate, pervasive chlorite alteration with patchy epidote alteration generally associated with veins, and narrow (5-10cm) stockwork zones.</p> <p>Cut by abundant narrow (1-2mm) carbonate veinlets, cut by abundant epidote veins and veinlets, cut by occasional narrow (1-2mm) dark maroon hematite veinlets.</p> <p>Mineralization is dominantly fine grained disseminated pyrite and narrow pyrite veinlets.</p> <p><<Min: 210.2 - 227.8: 2% pyrite / 1% pyrite>></p> <p><<Alt: 210.2 - 227.8: weak (1-3%) Chlorite / weak (1-3%) Epidote / trace (trace to 1%) Pyrite / trace (trace to 1%) Potassium feldspar>></p> <p><<Vein: 210.2 - 227.8: 5% Calcium carbonate/Carbonate / 5% Epidote / 1% Pyrite / 1% Potassium feldspar (Kspar)>></p>													
					213.20	216.20	3.00	1626530	0.015	0.2	36.9	5.9	122
					216.20	219.20	3.00	1626531	0.01	0.1	40.7	7.2	130
					219.20	222.20	3.00	1626532	0.009	0.1	36.4	7.9	83
					222.20	225.20	3.00	1626533	0.015	0.1	63.5	8.3	78
					225.20	227.80	2.60	1626534	0.014	0.2	68.8	16.5	109
					227.80	230.80	3.00	1626535	0.021	0.1	35.9	11.9	72
227.80	303.28	VC Volcaniclastics	light grey	FG	227.80	303.28	80.00						
<p>227.8 - 303.28: Light to medium grey to greenish grey, fine grained, intermediate volcanoclastic rocks. Hazelton Group. Dominantly crystal-lithic, ash tuff, with abundant 0.5-1mm feldspar crystals and rare 0.5-2cm lithic clasts within a very fine grained medium-dk grey matrix. Several sharp contacts suggest weak thick (5-10m) bedding at ~200 to ca. Several 1-2m beds of light grey more felsic looking ash fall tuffs. Near the bottom of the hole starting at ~260m.</p> <p>Weak pervasive, chlorite-sericite alteration. Locally weak and narrow (1-2cm veinlets) K-feldspar alteration associated with quartz and pyrite.</p> <p>Cut by common narrow (1-2mm) quartz carbonate (calcite and ankerite) veins (~300 ca), cut by common narrow (1-2mm epidote veins) cut by rare narrow (1mm) pyrite veins. Cut by abundant narrow (1-2mm) anhydrite veinlets. Cut by occasional epidote veins and veinlets. Carbonate vein density increases around faulted (broken) material.</p> <p>Fine to very finely disseminated pyrite with narrow pyrite veinlets. Pyrite concentrations increase near fractures up to 1-2% locally. Pyrite content increasing slightly downhole.</p> <p><<Min: 227.8 - 303.28: 2% pyrite / 1% pyrite>></p>													
					230.80	233.80	3.00	1626536	0.01	0.1	64.1	17.6	86



GeoSpark: Drill Hole Report

Hole: NR14-030

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<<Alt: 227.8 - 303.28: trace (trace to 1%) Sericitic / trace (trace to 1%) Potassium feldspar / trace (trace to 1%) Pyrite>>			233.80	236.80	3.00	1626537	0.008	0.05	33.6	10.1	76
<<Vein: 227.8 - 303.28: 3% Calcium carbonate/Carbonate / 2% Epidote / 1% Pyrite / 1% Potassium feldspar (Kspar)>>			236.80	239.80	3.00	1626538	0.0025	0.1	30	10.1	71
			239.80	242.80	3.00	1626539	0.0025	0.05	62.6	13.4	91
			242.80	245.80	3.00	1626541	0.014	0.2	46.3	18.7	64
			245.80	248.80	3.00	1626542	0.008	0.2	53.9	11.8	73
			248.80	251.80	3.00	1626543	0.008	0.1	45.2	11	81
			251.80	254.80	3.00	1626544	0.008	0.05	44.8	11.4	75
			254.80	257.80	3.00	1626545	0.008	0.1	59.6	10.8	87
			257.80	260.80	3.00	1626546	0.008	0.1	61.3	8.1	68
			260.80	263.80	3.00	1626547	0.015	0.1	57	8.8	71
			263.80	266.80	3.00	1626548	0.019	0.2	82.4	8.7	75
			266.80	269.80	3.00	1626549	0.021	0.1	95.4	20.4	101
			269.80	272.80	3.00	1626551	0.026	0.05	72.4	4.4	28
			272.80	275.80	3.00	1626552	0.016	0.05	32.8	6.9	34
			275.80	278.80	3.00	1626553	0.021	0.05	61.4	5.2	44
			278.80	281.80	3.00	1626554	0.031	0.1	76.7	6.7	56
			281.80	284.80	3.00	1626555	0.029	0.2	91.4	6.7	73
			284.80	287.80	3.00	1626556	0.029	0.2	76.3	16.2	110
			287.80	290.80	3.00	1626557	0.028	0.2	84.8	12.4	61
			290.80	293.80	3.00	1626558	0.015	0.1	63.8	7.3	53
			293.80	296.80	3.00	1626559	0.024	0.2	117.4	7.5	69
			296.80	299.80	3.00	1626561	0.012	0.05	82	5.2	72
			299.80	303.28	3.48	1626562	0.027	0.1	67.6	7.6	79

End of Hole @ 303.28



GeoSpark: Drill Hole Report

Project: NROK

Hole: NR14-031

Prospect:	Mabon	Survey Type:	GPS	Logged By:	G. Dessureau	Steel Lost In Hole:	<input type="checkbox"/>
Prop. Grid:	NAD83_Z9	Survey By:		Date Started:	17/05/2014	Depth Steel Lost:	
Prop. East:	443970	Azimuth:	40	Date Completed:	21/05/2014	Steel Lost Inventory:	
Prop. North:	6407966	Dip:	-45	Drill Company:	Black Hawk	Hole Cemented:	<input type="checkbox"/>
Prop. Elevation (m):	1020	Length (m):	450.49	Drill Rig:	Rig1	Bags of Cement:	
Final UTM Grid	NAD83_Z9	Hole Type:	DD	Drill Started:	16/05/2014	Artesian Hole:	<input type="checkbox"/>
UTM East:	443970	Hole Diameter:	4 3/4	Drill Completed	21/05/2014	Artesian Flow	
UTM North:	6407966	Core Size:	NQ	Reduced Depth:		Comments:	
UTM Elevation (m):	1020	Casing Pulled?:	<input type="checkbox"/>	Reduced Size:			
		Casing Depth (m):	15.24				

Comments:

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
53	ReflexEzs	Unknown	17/05/2014	-46.1	20.5	21.5	42	5697	<input checked="" type="checkbox"/>	
104.85	ReflexEzs	Unknown	17/05/2014	-47.1	21.3	21.5	42.8	5752	<input checked="" type="checkbox"/>	
156.57	ReflexEzs	Unknown	18/05/2014	-47.3	325.8	21.5	347.3	3067	<input type="checkbox"/>	Bad Survey
208.48	ReflexEzs	Unknown	18/05/2014	-47.6	28.1	21.5	49.6	5597	<input checked="" type="checkbox"/>	
260.3	ReflexEzs	Unknown	19/05/2014	-46.7	29.8	21.5	51.3	5561	<input checked="" type="checkbox"/>	
312.12	ReflexEzs	Unknown	19/05/2014	-46.3	28.1	21.5	49.6	5659	<input checked="" type="checkbox"/>	
415.49	ReflexEzs	Unknown	20/05/2014	-46.2	26.4	21.5	47.9	5674	<input checked="" type="checkbox"/>	



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
0.00	15.24	OVB Overburden	0.00	10.00	10.00	1626563	0.0025	0.3	51.7	3.4	40
0 - 15.24: Casing and overburden.- bedrock may start at about 10m but the ground is heavily fractures and faulted.											
			10.00	13.00	3.00	1626564	0.009	0.1	230.4	5.1	80
			13.00	16.00	3.00	1626565	0.011	0.05	93.1	13.8	48
15.24	32.30	MNZD Monzodiorite									
15.24 - 32.3: Light grey to greenish grey, moderately to strongly altered, fractured and faulted monzodiorite. Very broken core. The alteration and faulting have destroyed most primary textures with only small zones of primary textures preserved in some fragments. Locally small (1-2mm) hornblende phenocrysts are visible. Some areas the hornblende look to be replaced with biotite in a siliceous matrix. The rock mass is generally non-magnetic.											
Alteration is moderate to strong, pervasive quartz-pyrite alteration. Weak oxidation along fracture surfaces.											
Cut by abundant narrow white quartz (+carbonate) veins with local zones of stockwork breccias with up to 40% narrow quartz (+carbonate) veins.											
Mineralization is dominantly fine grained disseminated pyrite with common narrow (>1mm) pyrite veinlets.											
		<<Min: 15.24 - 32.3: 1% pyrite / 1% pyrite>>	19.00	22.00	3.00	1626567	0.011	0.05	171.2	5.6	63
		<<Alt: 15.24 - 32.3: moderate (3-5%) Silicification / weak (1-3%) Pyrite>>	22.00	25.00	3.00	1626568	0.009	0.1	251.6	7.6	67
		<<Vein: 15.24 - 32.3: 2% Quartz / 1% Pyrite>>	25.00	28.00	3.00	1626569	0.01	0.05	184.5	7.7	65
		<<Struc: 25 - 28: moderate (3-5%) Fault Zone 30 deg. >>	28.00	31.00	3.00	1626570	0.01	0.05	125.5	6.7	81
			31.00	32.30	1.30	1626571	0.01	0.1	210.6	15.6	83
32.30	44.20	DIBS Diabase									
32.3 - 44.2: Medium green to dark green, fine to very fine grained, mafic dyke (or mafic volcanic raft in monzodiorite). Broken core (although not as broken as above and below). Contains small biotite crystals with altered feldspar crystals in a greenish altered groundmass. Locally moderately magnetic. Sharp upper and lower contacts.											
Alteration is dominantly weak to moderate, pervasive, chlorite (and or biotite) alteration with minor, weak epidote alteration.											
Cut by abundant narrow (1mm) epidote veins and cut by rare narrow quartz veinlets.											
Mineralization is dominantly fine grained disseminated pyrite with narrow (1mm) pyrite veinlets.											
			32.30	35.30	3.00	1626572	0.007	0.05	123.2	6.2	76



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<<Min: 32.3 - 44.2: 1% pyrite / 1% pyrite>>			35.30	38.30	3.00	1626573	0.008	0.05	164.6	4.9	82
<<Alt: 32.3 - 44.2: weak (1-3%) Chlorite / trace (trace to 1%) Epidote>>			38.30	41.30	3.00	1626574	0.01	0.05	215.9	4.6	91
<<Vein: 32.3 - 44.2: 1% Calcium carbonate/Carbonate / 1% Epidote>>			41.30	44.20	2.90	1626576	0.006	0.05	93.7	2.5	71
<<Struc: 34 - 40: moderate (3-5%) Fault Zone 30 deg. >>											
<<Struc: 42 - 48: moderate (3-5%) Fault Zone 45 deg. >>											
44.20 68.10 MNZD Monzodiorite		grey FG	44.20	47.20	3.00	1626577	0.006	0.05	30.7	6.9	61
<p>44.2 - 68.1: Light grey to light greenish grey, strongly altered, heavily faulted, monzodiorite. Local cataclasite within fault gouge. High strain zone. Faulting looks like a young, post alteration fault. Alteration and faulting are generally texturally destructive with very little primary texture left. However small zones of relict feldspar crystals are visible suggesting feldspar crystal porphyry protolith.</p> <p>Alteration is strong pervasive and patchy, quartz-pyrite alteration. Small zones have epidote alteration associated with narrow epidote veinlets.</p> <p>Cut by abundant carbonate veins and quartz veins and stockwork locally up to 40% of rock mass, cut by common narrow epidote veinlets.</p> <p>Mineralization is dominantly fine grained disseminated pyrite, with common narrow pyrite veinlets, most pyrite mineralization is pre faulting.</p>											
<<Min: 44.2 - 68.1: 1% pyrite / 1% pyrite>>			47.20	50.20	3.00	1626578	0.0025	0.5	107.6	2	67
<<Alt: 44.2 - 68.1: strong (5-10%) Silicification / weak (1-3%) Pyrite / weak (1-3%) Carbonate>>			50.20	53.20	3.00	1626579	0.015	0.05	272.2	2.6	53
<<Vein: 44.2 - 68.1: 10% Quartz / 5% Quartz / 2% Calcium carbonate/Carbonate / 1% Epidote>>			53.20	56.20	3.00	1626581	0.013	0.1	180.9	4.4	56
<<Struc: 48 - 63: strong (5-10%) Fault Zone 30 deg. >> Large intense fault zone with cataclasite.			56.20	59.20	3.00	1626582	0.01	0.05	82.8	9.1	49
<<Struc: 63 - 65: moderate (3-5%) Fault Zone 40 deg. >>			59.20	62.20	3.00	1626583	0.01	0.05	42.9	17.8	39
			62.20	65.20	3.00	1626584	0.011	0.05	41.7	10	44
			65.20	68.20	3.00	1626585	0.01	0.05	95.6	11.4	52



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
68.10	74.30	MNZD Monzodiorite									
		light green-grey									
		FG									
		68.1 - 74.3: Light grey to light greenish grey, fine to very fine grained, weakly altered monzodiorite.									
		Alteration is weak pervasive quartz-pyrite alteration.									
		Cut by common narrow (1-2mm) quartz-carbonate veins, cut by rare narrow epidote veinlets, and cut by common narrow pyrite veinlets.									
		Mineralization is dominantly fine grained disseminated pyrite with common narrow pyrite veinlets.									
		<<Min: 68.1 - 74.3: 1% pyrite / 1% pyrite>>	71.10	74.30	3.20	1626587	0.008	0.05	352.8	7.9	68
		<<Alt: 68.1 - 74.3: strong (5-10%) Silicification / weak (1-3%) Pyrite / weak (1-3%) Carbonate>>									
		<<Vein: 68.1 - 74.3: 5% Quartz / 5% Calcium carbonate/Carbonate>>									
74.30	78.15	MNZD Monzodiorite									
		green-grey									
		FG									
		74.3 - 78.15: Mottled, light grey and green grey, moderately altered, monzodiorite and monzodiorite breccia.									
		Alteration is moderate to strong quartz-pyrite-(biotite) alteration. Biotite forms wispy bands within the matrix of the breccia.									
		Mineralization is dominantly fine grained disseminated to blebby pyrite with abundant 0.5-10mm pyrite veins and veinlets. Total sulphide is up to 5%.									
		<<Min: 74.3 - 78.15: 3% pyrite / 2% pyrite>>	76.30	78.15	1.85	1626589	0.011	0.05	152.5	7.9	57
		<<Alt: 74.3 - 78.15: strong (5-10%) Silicification / weak (1-3%) Pyrite / weak (1-3%) Biotite>>									
		<<Vein: 74.3 - 78.15: 2% Quartz / 1% Calcium carbonate/Carbonate>>									
78.15	81.80	MNZD Monzodiorite									
		dark green									
		FG									
		78.15 - 81.8: Light green-grey, fine to very fine grained, weakly to moderately altered monzodiorite. This unit could be a more mafic variety of monzodiorite and possibly a more mafic dyke. Non-magnetic.									
		Alteration is dominantly weak to moderate quartz-pyrite, with weak chlorite alteration.									
		Cut by abundant narrow pyrite veinlets and cut by common narrow quartz veinlets.									
		Mineralization is dominantly fine grained disseminated pyrite (locally up to 10%) with abundant narrow pyrite veinlets.									



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<<Min: 78.15 - 81.8: 3% pyrite / 2% pyrite>> <<Alt: 78.15 - 81.8: weak (1-3%) Chlorite / weak (1-3%) Pyrite>> <<Vein: 78.15 - 81.8: 1% Quartz / 1% Pyrite>>			79.65	81.80	2.15	1626592	0.009	0.1	317.7	8	67
81.80	83.90	MNZD Monzodiorite									
81.8 - 83.9: Light grey to beige, fine to medium grained, moderate to strongly altered, monzodiorite. Small ghosts of 1-2mm feldspars are visible in least altered zones. Alteration is moderate to strong, pervasive, quartz-pyrite alteration. Cut by abundant narrow (1-2mm) pyrite veins and cut by occasional narrow (<1mm) quartz carbonate veins. Mineralization is dominantly fine grained disseminated pyrite, with abundant narrow pyrite veinlets. <<Min: 81.8 - 83.9: 3% pyrite / 2% pyrite>> <<Alt: 81.8 - 83.9: strong (5-10%) Silicification / strong (5-10%) Pyrite>> <<Vein: 81.8 - 83.9: 5% Pyrite / 2% Quartz>>			81.80	83.90	2.10	1626593	0.022	0.1	196.5	10	49
83.90	85.35	MNZD Monzodiorite									
83.9 - 85.35: Dark green, very fine grained, relatively un altered mafic dyke. Sharp upper and lower contacts. Cut by occasional narrow quartz carbonate veinlets, and cut by occasional narrow pyrite veinlets. Mineralization is dominantly fine grained disseminated pyrite with higher sulfide content closer to the margins of the dyke. . <<Min: 83.9 - 85.35: 3% pyrite / 2% pyrite>> <<Alt: 83.9 - 85.35: trace to 1% Chlorite / weak (1-3%) Pyrite>> <<Vein: 83.9 - 85.35: 1% Quartz / 1% Pyrite>>			83.90	85.35	1.45	1626594	0.007	0.05	234.1	4.5	33



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
85.35	87.60	MNZD Monzodiorite light grey FMG	85.35	87.60	2.25	1626595	0.011	0.05	116.8	10.8	49
<p>85.35 - 87.6: Light grey to beige, fine to medium grained, moderate to strongly altered, monzodiorite. Small ghosts of 1-2mm feldspars are visible in least altered zones.</p> <p>Alteration is moderate to strong, pervasive, quartz-pyrite alteration.</p> <p>Cut by abundant narrow (1-2mm) pyrite veins and cut by occasional narrow (<1mm) quartz carbonate veins.</p> <p>Mineralization is dominantly fine grained disseminated pyrite, with abundant narrow pyrite veinlets.</p> <p><<Min: 85.35 - 87.6: 3% pyrite / 2% pyrite>></p> <p><<Alt: 85.35 - 87.6: strong (5-10%) Silicification / moderate (3-5%) Pyrite>></p> <p><<Vein: 85.35 - 87.6: 2% Pyrite / 1% Quartz>></p>											
87.60	90.20	MNZD Monzodiorite dark green FG	87.60	90.20	2.60	1626596	0.01	0.05	263	5.2	45
<p>87.6 - 90.2: Medium to dark green, fine grained, moderately altered (mafic) monzodiorite. The rock mass looks more mafic although it could be the pervasive chlorite alteration.</p> <p>Alteration is moderate, pervasive, chlorite with weak magnetite alteration. The magnetite alteration looks like very early stage hydrothermal alteration and Brecciation with wispy magnetite forming the matrix of the breccia.</p> <p>Cut by rare narrow quartz carbonate veinlets and few narrow pyrite veinlets.</p> <p>Mineralization is dominantly fine grained disseminated pyrite with narrow pyrite veinlets. No visible chalcopyrite.</p> <p><<Min: 87.6 - 90.2: 3% pyrite / 2% pyrite>></p> <p><<Alt: 87.6 - 90.2: moderate (3-5%) Chlorite / trace (trace to 1%) Magnetite>></p> <p><<Vein: 87.6 - 90.2: 1% Quartz / 1% Pyrite>></p>											



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
90.20	93.60	MNZD Monzodiorite light grey FMG	90.20	92.40	2.20	1626597	0.02	0.2	513.4	10.9	60
<p>90.2 - 93.6: Light to medium grey to greenish grey, fine to medium grained, moderately altered monzodiorite. Abundant 1-2mm hornblende phenocrysts in a mottled textures matrix.</p> <p>Alteration is moderate quartz-sericite-pyrite, with weak patchy chlorite and strong but patchy epidote alteration associated with carbonate veins.</p> <p>Cut by narrow quartz-carbonate veinlets.</p> <p>Mineralization is dominantly fine grained disseminated pyrite, with narrow pyrite veinlets.</p> <p><<Min: 90.2 - 93.6: 3% pyrite / 2% pyrite>></p> <p><<Alt: 90.2 - 93.6: strong (5-10%) Silicification / weak (1-3%) Pyrite>></p> <p><<Vein: 90.2 - 93.6: 1% Calcium carbonate/Carbonate>></p>											
92.40	93.60		92.40	93.60	1.20	1626598	0.008	0.1	440.6	3.4	40
93.60	98.10	MNZD Monzodiorite green FG	93.60	96.60	3.00	1626599	0.012	0.2	396	5.4	44
<p>93.6 - 98.1: Medium to dark green, fine grained, moderately to strongly altered (mafic) monzodiorite. Most primary textures have been destroyed by alteration. Magnetite alteration looks like very early stage hydrothermal breccia's and alteration.</p> <p>Alteration is moderate to strong pervasive, chlorite-magnetite alteration.</p> <p>Cut by a few narrow pyrite veinlets and cut by a few narrow epidote and carbonate veinlets in a 1m epidote altered zone. Cut by wispy narrow (<1mm) veinlets of black needle like minerals (tourmaline? Could be hornblende too).</p> <p>Mineralization is dominantly fine grained disseminated pyrite with narrow pyrite veinlets.</p> <p><<Min: 93.6 - 98.1: 2% pyrite / 1% pyrite>></p> <p><<Alt: 93.6 - 98.1: moderate (3-5%) Chlorite / trace (trace to 1%) Magnetite>></p> <p><<Vein: 93.6 - 98.1: 1% Quartz / 1% Pyrite / 1% Epidote / 1% Calcium carbonate/Carbonate / 0.5% Tourmaline>></p>											
96.60	98.10		96.60	98.10	1.50	1626601	0.009	0.1	244.6	8.5	43



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
98.10	98.86	MNZD Monzodiorite beige MG	98.10	98.86	0.76	1626602	0.0025	0.05	24.6	1.6	33
<p>98.1 - 98.86: Light grey to beige, medium grained, hornblende phyric monzodiorite dyke. Sharp upper and lower contact. Looks like post-alteration dyke.</p> <p>Alteration is weak pervasive silica-sericite alteration.</p> <p>No visible sulphide.</p> <p><<Min: 98.1 - 98.86: >></p> <p><<Alt: 98.1 - 98.86: trace (trace to 1%) Silicification / trace (trace to 1%) Sericitic>></p> <p><<Vein: 98.1 - 98.86: >></p>											
98.86	103.30	MNZD Monzodiorite green FG	98.86	100.86	2.00	1626603	0.01	0.2	416.1	7.1	51
<p>98.86 - 103.3: Medium to dark green, fine grained, moderately to strongly altered (mafic) monzodiorite. Most primary textures have been destroyed by alteration. Magnetite alteration looks like very early stage hydrothermal breccia's and alteration.</p> <p>Alteration is moderate to strong pervasive, chlorite-magnetite alteration.</p> <p>Cut by a few narrow pyrite veinlets and cut by a few narrow epidote and carbonate veinlets in a 1m epidote altered zone. Cut by wispy narrow (<1mm) veinlets of black needle like minerals (tourmaline? Could be hornblende too).</p> <p>Mineralization is dominantly fine grained disseminated pyrite with narrow pyrite veinlets.</p> <p><<Min: 98.86 - 103.3: 3% pyrite / 1% pyrite>></p> <p><<Alt: 98.86 - 103.3: weak (1-3%) Chlorite / trace (trace to 1%) Magnetite>></p> <p><<Vein: 98.86 - 103.3: 1% Quartz / 1% Pyrite / 1% Epidote / 1% Calcium carbonate/Carbonate / 0.5% Tourmaline>></p>											
			100.86	103.30	2.44	1626604	0.01	0.1	246.6	2.4	53



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
103.30	109.50	MNZD Monzodiorite grey FG 103.3 - 109.5: Light grey to greenish grey, moderate to strongly altered, weakly mineralized monzodiorite. Very mottled textures with patchy discontinuous alteration. Little or no primary textures observed. Alteration consists of strong pervasive and patchy quartz-sericite-pyrite alteration with weak chlorite (and biotite) alteration. Some patchy alteration is very light brownish and could be biotite alteration. Cut by occasional narrow quartz veinlets and cut by occasional narrow pyrite veinlets. Mineralization is dominantly fine grained disseminated pyrite with narrow pyrite veinlets. Several small blebs of chalcopyrite were observed near the lower contact along with very narrow (0.5mm) chalcopyrite veinlets. The chalcopyrite has very narrow rims of a non-magnetite black mineral surrounding it. <<Min: 103.3 - 109.5: 5% pyrite / 0.5% chalcopyrite>> <<Alt: 103.3 - 109.5: moderate (3-5%) Silicification / weak (1-3%) Sericitic / weak (1-3%) Chlorite >> <<Vein: 103.3 - 108.5: 1% Quartz / 1% Pyrite>> <<Vein: 108.5 - 121.4: 1% Pyrite / 1% Quartz>>	103.30	106.30	3.00	1626605	0.007	0.1	189.4	7.4	40
109.50	121.40	MNZD Monzodiorite green-grey FG 109.5 - 121.4: Medium to dark green, fine grained, moderately to strongly altered (mafic) monzodiorite. Most primary textures have been destroyed by alteration. Magnetite alteration looks like very early stage hydrothermal breccia's and alteration. Alteration is moderate to strong pervasive, chlorite-magnetite alteration with narrow (<1m) zones of weak patchy K-feldspar alteration. Cut by a few narrow pyrite veinlets and cut by a few narrow epidote and carbonate veinlets in a 1m epidote altered zone. Cut by wispy narrow (<1mm) veinlets of black needle like minerals (tourmaline? Could be hornblende too). Mineralization is dominantly fine grained disseminated pyrite with narrow pyrite veinlets. <<Min: 109.5 - 121.4: 3% pyrite / pyrite>> <<Alt: 109.5 - 121.4: weak (1-3%) Chlorite / trace (trace to 1%) Magnetite / trace (trace to 1%) Potassium feldspar>> <<Vein: 109.5 - 121.4: 1% Quartz / 1% Pyrite / 1% Epidote>>	109.50	112.50	3.00	1626607	0.009	0.1	268.7	6.6	49
			112.50	115.50	3.00	1626608	0.03	0.2	406.7	4.1	56
			115.50	118.50	3.00	1626609	0.011	0.05	185	4.8	49
			118.50	121.40	2.90	1626610	0.017	0.2	311	5.6	55



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
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121.40	131.90	MNZD Monzodiorite	light green-grey	MG	121.40	124.40	3.00	1626611	0.008	0.05	208.9	2.4	49
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121.4 - 131.9: Light green-grey to pinkish grey, medium grained, weakly altered monzodiorite. Primary magmatic textures are visible with plagioclase, hornblende and magnetite crystals visible. Several small (<1cm) rounded xenoliths are present.

Alteration is dominantly weak pervasive, chlorite with small zones of weak K-feldspar alteration which gives the monzodiorite a pinkish hue. Locally weakly epidote altered around carbonate and epidote veins.

Cut by abundant narrow (<1mm) epidote veinlets, cut by common narrow quartz veinlets and cut by common narrow pyrite veinlets.

Mineralization is dominantly fine grained disseminated pyrite with common narrow pyrite veinlets.

<<Min: 121.4 - 131.9: 3% pyrite / pyrite>>

<<Alt: 121.4 - 131.9: weak (1-3%) Silicification / weak (1-3%) Pyrite>>

<<Vein: 121.4 - 131.9: 2% Quartz / 1% Pyrite>>

124.40	127.40	3.00	1626612	0.011	0.05	198.5	2.4	46
127.40	130.40	3.00	1626613	0.012	0.05	209.8	4.4	45
130.40	132.90	2.50	1626614	0.008	0.1	179.3	6.6	50

131.90	132.90	MD Mafic Dyke	dark green	FG
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131.9 - 132.9: Dark green, massive, unaltered mafic dyke. Sharp upper and lower contacts at 60o ca.

Alteration is weak chlorite alteration.

Cut by common quartz-pyrite-actinolite veins.

Mineralization is dominantly fine grained disseminated pyrite, blebby, pyrite and pyrite veinlets.

<<Min: 131.9 - 132.9: 3% pyrite / pyrite>>

<<Alt: 131.9 - 132.9: trace (trace to 1%) Chlorite >>

<<Vein: 131.9 - 132.9: 10% Quartz / 2% Epidote / 1% Pyrite>>



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
132.90	139.10	MNZD Monzodiorite light grey FMG 132.9 - 139.1: Light to medium green-grey mottled, fine to medium grained, moderately altered, monzodiorite. Silica alteration is pervasive and texturally destructive. Alteration is moderate pervasive and patchy quartz pyrite alteration. Cut by abundant quartz carbonate veins, veinlets and locally stockwork, and cut by abundant narrow (1-5mm) pyrite veinlets. Mineralization is dominantly fine grained disseminated pyrite with abundant pyrite veinlets. <<Min: 132.9 - 139.1: 3% pyrite / pyrite>> <<Alt: 132.9 - 160: trace (trace to 1%) Chlorite >> <<Vein: 132.9 - 139.1: 5% Pyrite / 2% Quartz / 1% Epidote>>	132.90	135.90	3.00	1626615	0.0025	0.05	9.9	10.3	45
			135.90	139.10	3.20	1626616	0.0025	0.05	99	8.1	42
139.10	160.00	MNZD Monzodiorite green-grey FG 139.1 - 160: Medium green-grey, fine grained, weakly to moderately altered, monzodiorite. Rock mass is moderately to strongly magnetic with very fine, primary magnetic crystals visible. Alteration is weak to locally moderate, pervasive, chlorite alteration with weak patchy actinolite (?) alteration. Cut by common narrow (1-2mm) epidote veinlets and rare narrow (<1mm) quartz carbonate veinlets and rare narrow pyrite veinlets. Mineralization is dominantly fine grained disseminated pyrite with narrow (<1mm) pyrite veinlets. <<Min: 139.1 - 160: 3% pyrite / pyrite>> <<Vein: 139.1 - 160: 0.5% Quartz / 0.5% Epidote>>	139.10	142.10	3.00	1626617	0.0025	0.05	183.3	2.9	44
			142.10	145.10	3.00	1626618	0.0025	0.05	61.5	7.9	48
			145.10	148.10	3.00	1626619	0.013	0.2	286.1	9.3	92
			148.10	151.10	3.00	1626621	0.012	0.1	191.2	4.7	50
			151.10	154.10	3.00	1626622	0.02	0.05	128.2	3.4	51
			154.10	157.10	3.00	1626623	0.013	0.1	203.4	7.2	66
			157.10	160.00	2.90	1626624	0.0025	0.1	180.7	8.3	77



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
160.00	161.60	MNZD Monzodiorite green-grey FG 160 - 161.6: Medium grey and greenish grey, fine grained, moderately altered monzodiorite breccia. Brecciation is weak to moderate with some zig-saw fit pieces. Breccia is clast supported with 1-5cm fragments of monzodiorite in a monzodiorite matrix. Alteration is moderate pervasive chlorite, epidote alteration. Cut by abundant quartz-epidote (chalcopyrite) veins. Mineralization is dominantly fine grained disseminated pyrite with one big (1x1cm) bleb of chalcopyrite in a 1.5cm wide quartz-epidote veins. <<Min: 160 - 161.6: 4% pyrite / 0.5% chalcopyrite>> <<Alt: 160 - 161.6: weak (1-3%) Chlorite / weak (1-3%) Epidote / trace (trace to 1%) Silicification >> <<Vein: 160 - 161.6: 5% Quartz / 2% Epidote>>	160.00	161.60	1.60	1626626	0.01	0.1	318.5	9.5	55
161.60	171.91	MNZD Monzodiorite green-grey FG 161.6 - 171.91: Medium green-grey, fine grained, weakly to moderately altered, monzodiorite. Rock mass is moderately to strongly magnetic with very fine, primary magnetic crystals visible. Alteration is weak to locally moderate, pervasive, chlorite alteration with weak patchy actinolite (?) alteration. Cut by common narrow (1-2mm) epidote veinlets and rare narrow (<1mm) quartz carbonate veinlets and rare narrow pyrite veinlets. Mineralization is dominantly fine grained disseminated pyrite with narrow (<1mm) pyrite veinlets. <<Min: 161.6 - 171.91: >> <<Alt: 161.6 - 171.91: trace (trace to 1%) Chlorite >> <<Vein: 161.6 - 171.91: >>	161.60	164.60	3.00	1626627	0.0025	0.05	171.8	3.7	62
			164.60	167.60	3.00	1626628	0.006	0.05	113.5	5.6	59
			167.60	170.60	3.00	1626629	0.009	0.1	192.2	8.6	59
			170.60	171.90	1.30	1626630	0.01	0.1	236.8	3.8	51
			171.90	174.90	3.00	1626631	0.0025	0.05	119.1	5.7	45



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Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
171.91	176.35	MNZD Monzodiorite green-grey CG 171.91 - 176.35: Light green, light grey, and pinkish grey, fine to coarse grained, strongly altered, monzodiorite breccia. Light pink, K-feldspar alteration with actinolite, epidote, and pyrite. Very mottled textures with patchy discontinuous alteration. Alteration is pervasive, moderate to strong, chlorite, actinolite, quartz, K-feldspar alteration. Mineralization is dominantly fine grained disseminated pyrite with 1-2% bleby pyrite and narrow pyrite veins and veinlets. <<Min: 171.91 - 176.35: >> <<Alt: 171.91 - 176.35: moderate (3-5%) Chlorite / weak (1-3%) Potassium feldspar / weak (1-3%) Epidote>> <<Vein: 171.91 - 176.35: >>	174.90	176.35	1.45	1626632	0.0025	0.05	160.4	3.9	38
176.35	257.80	MNZD Monzodiorite green-grey FG 176.35 - 257.8: Medium greenish grey to grey, fine grained, weakly to locally moderately altered, relatively homogenous monzodiorite. Alteration is weak, pervasive chlorite alteration with local, weak K-feldspar alteration associated with epidote veins and veinlets. Epidote alteration has picked up and locally weak to moderate epidote alteration exists associated with epidote and quartz veinlets. Cut by abundant narrow epidote veinlets, cut by abundant narrow pyrite veinlets. Mineralization is dominantly fine grained disseminated pyrite (up to 1%) with narrow pyrite veinlets. <<Min: 176.35 - 257.8: 1% pyrite / 1% pyrite>> <<Alt: 176.35 - 257.8: trace (trace to 1%) Chlorite >> <<Vein: 176.35 - 257.8: 1% Epidote / 1% Pyrite / 1% Quartz / 1% Calcium carbonate/Carbonate>>	176.35	179.35	3.00	1626633	0.0025	0.05	120.5	2.7	44
			179.35	182.35	3.00	1626634	0.0025	0.05	56.3	1.5	55
			182.35	185.35	3.00	1626635	0.022	0.05	95.9	1.5	44
			185.35	188.35	3.00	1626636	0.014	0.05	102.8	5.5	43
			188.35	191.35	3.00	1626637	0.0025	0.05	234.7	2.5	54
			191.35	194.35	3.00	1626638	0.007	0.05	97.8	1.7	38
			194.35	197.35	3.00	1626639	0.016	0.1	342.9	4	39
			197.35	200.35	3.00	1626641	0.055	0.2	599.7	6.9	52
			200.35	203.35	3.00	1626642	0.016	0.2	401.5	6.1	46
			203.35	206.35	3.00	1626643	0.009	0.1	224.9	4.2	47
			206.35	209.35	3.00	1626644	0.01	0.2	445.3	5.7	50



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Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
			209.35	212.35	3.00	1626645	0.007	0.05	142.1	3.7	37
			212.35	215.35	3.00	1626646	0.009	0.05	213.5	6.8	38
			215.35	218.35	3.00	1626647	0.018	0.05	201.4	2.9	41
			218.35	221.35	3.00	1626648	0.0025	0.05	131.4	6.3	46
			221.35	224.35	3.00	1626649	0.015	0.1	329.2	3.8	60
			224.35	227.35	3.00	1626651	0.017	0.1	276.3	5	46
			227.35	230.35	3.00	1626652	0.039	0.2	360.8	5.3	50
			230.35	233.35	3.00	1626653	0.021	0.1	301.9	5.7	56
			233.35	236.35	3.00	1626654	0.012	0.1	228.5	4.9	53
			236.35	239.35	3.00	1626655	0.017	0.1	212.7	5.2	50
			239.35	242.35	3.00	1626656	0.029	0.1	295.1	6.6	61
			242.35	245.35	3.00	1626657	0.037	0.1	345	9.1	62
			245.35	248.35	3.00	1626658	0.016	0.1	225.6	5	48
			248.35	251.35	3.00	1626659	0.011	0.1	204.6	4.8	62
			251.35	254.35	3.00	1626661	0.019	0.2	485.8	7.4	74
			254.35	256.35	2.00	1626662	0.021	0.2	440	5	72
			256.35	257.80	1.45	1626663	0.019	0.3	659.3	7.8	77
			257.80	260.80	3.00	1626664	0.0025	0.1	227.3	5.2	66
257.80	289.80	MNZD Monzodiorite									
		green-grey									
		FG									
<p>257.8 - 289.8: Medium to dark green and pale green to green-grey, moderately altered, fine grained monzodiorite. Small zones of weakly brecciated monzodiorite with a weak chlorite, actinolite, pyrite matrix.</p> <p>Alteration is increasing down hole, with increasing epidote, silica, pyrite alteration. Alteration is moderate pervasive chlorite, epidote, silica, pyrite alteration with zones of weak K-feldspar alteration associated with abundant epidote veinlets and quartz-carbonate veinlets.</p> <p>Cut by abundant narrow pyrite veinlets, cut by abundant narrow epidote veinlets, and cut by common narrow quartz-carbonate veinlets.</p> <p>Mineralization is dominantly fine grained disseminated pyrite (up to 5%), and narrow (1-2mm) pyrite veinlets.</p> <p><<Min: 257.8 - 289.8: 5% pyrite / 2% pyrite>></p>											
			260.80	263.80	3.00	1626665	0.005	0.05	159.9	3.8	60



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<<Alt: 257.8 - 289.8: weak (1-3%) Chlorite / weak (1-3%) Epidote / trace (trace to 1%) Silicification / trace (trace to 1%) Potassium feldspar>>			263.80	266.80	3.00	1626666	0.0025	0.2	505.4	8.4	58
<<Vein: 257.8 - 289.8: 4% Pyrite / 3% Epidote / 1% Quartz / 1% Calcium carbonate/Carbonate>>			266.80	269.80	3.00	1626667	0.009	0.2	405	10.3	63
			269.80	272.80	3.00	1626668	0.021	0.2	490.6	12.3	86
			272.80	275.80	3.00	1626669	0.012	0.1	360.4	8.5	93
			275.80	278.80	3.00	1626670	0.017	0.2	461.2	17.1	132
			278.80	281.80	3.00	1626671	0.007	0.1	266.4	5.2	101
			281.80	284.80	3.00	1626672	0.0025	0.1	315.4	4.7	90
			284.80	287.80	3.00	1626673	0.007	0.1	287.8	7.3	64
			287.80	289.80	2.00	1626674	0.011	0.05	202.2	1.6	80
289.80	290.40	FLT	Fault(ed)								
			light green-grey								
			FG								
289.8 - 290.4: Light green-grey, chlorite, epidote, quartz, fault zone. Broken core and minor fault gouge.											
<<Min: 289.8 - 290.4: 5% pyrite / 2% pyrite>>											
<<Alt: 289.8 - 290.4: weak (1-3%) Chlorite / weak (1-3%) Epidote / weak (1-3%) Silicification >>											
<<Vein: 289.8 - 290.4: 4% Pyrite / 3% Epidote / 1% Quartz / 1% Calcium carbonate/Carbonate>>											
<<Struc: 289.8 - 290.4: strong (5-10%) Fault Zone 40 deg. >>											
290.40	294.40	MNZD	Monzodiorite								
			green-grey								
			FG								
290.4 - 294.4: Medium to dark green and pale green to green-grey, moderately altered, fine grained monzodiorite. Small zones of weakly brecciated monzodiorite with a weak chlorite, actinolite, pyrite matrix.											
Alteration is increasing down hole, with increasing epidote, silica, pyrite alteration. Alteration is moderate pervasive chlorite, epidote, silica, pyrite alteration with zones of weak K-feldspar alteration associated with abundant epidote veinlets and quartz-carbonate veinlets.											
Cut by abundant narrow pyrite veinlets, cut by abundant narrow epidote veinlets, and cut by common narrow quartz-carbonate veinlets.											
Mineralization is dominantly fine grained disseminated pyrite (up to 5%), and narrow (1-2mm) pyrite veinlets.											
<<Min: 290.4 - 294.4: 5% pyrite / 2% pyrite>>											



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
308.45	388.90	MNZD Monzodiorite dark green FG 308.45 - 388.9: Dark green-grey, strongly altered, fine grained, monzodiorite with well mineralized, hydrothermal breccia. Hydrothermal breccia is a clast supported breccia with 5-10cm fragments of rounded to sub-rounded strongly altered monzodiorite in a hydrothermal matrix consisting of net textured pyrite, magnetite, actinolite, and chalcopyrite. Alteration within the monzodiorite fragments is strong pervasive chlorite, epidote, actinolite, biotite(?) alteration and strong pyrite, magnetite, actinolite, chalcopyrite within the matrix of the breccia. Mineralization consists of net textured pyrite (up to 10%) as the matrix of the breccia, 1-2cm blebs of wispy pyrite often associated with magnetite and actinolite, and fine grained and very fine grained disseminated pyrite. Chalcopyrite occurs as small (<5mm) blebs within the pyrite-magnetite-actinolite matrix of the breccia, small <5mm) blebs within the bleby pyrite, and as very fine disseminations within the monzodiorite. Chalcopyrite is locally up to 1-2%, but generally a little less than 1%. Some zones contain much more pyrite (10:1) compared to chalcopyrite, whereas some zones are closer to a 2:1 pyrite to chalcopyrite ratio. <<Min: 308.45 - 388.9: 5% pyrite / 4% pyrite / 2% pyrite / 0.5% chalcopyrite / 0.1% chalcopyrite>> <<Alt: 308.45 - 388.9: strong (5-10%) Chlorite / moderate (3-5%) Pyrite / weak (1-3%) Actinolite / weak (1-3%) Magnetite>> <<Vein: 308.45 - 388.9: 5% Pyrite / 0.5% Pyrite-Chalcopyrite / 1% Epidote / 1% Quartz>> <<Struc: 373.6 - 373.9: moderate (3-5%) Veining - fracture fill 20 deg. >> <<Struc: 379.4 - 380: strong (5-10%) Fault Zone 20 deg. >> <<Struc: 382.2 - 383.3: moderate (3-5%) Fault Zone 10 deg. >> <<Struc: 384.6 - 384.8: moderate (3-5%) Veining - fracture fill 20 deg. >>	308.45	311.45	3.00	1626684	0.263	3.9	7680.7	15.8	97
			311.45	314.45	3.00	1626685	0.177	2.8	5475.3	16.4	116
			314.45	317.45	3.00	1626686	0.064	3.2	5360.9	10	95
			317.45	320.45	3.00	1626687	0.226	3.1	6975.3	8.6	75
			320.45	323.45	3.00	1626688	0.051	0.9	1798	9.4	67
			323.45	326.45	3.00	1626689	0.041	0.6	1040.7	11.2	67
			326.45	329.45	3.00	1626691	0.052	0.9	1766.1	5.9	71
			329.45	332.45	3.00	1626692	0.255	6.4	6864	8.8	89
			332.45	335.45	3.00	1626693	0.079	1.6	1952.6	7.4	71
			335.45	338.45	3.00	1626694	0.031	0.5	700.3	5.4	63
			338.45	341.45	3.00	1626695	0.122	3.8	4225.6	7.2	78
			341.45	344.45	3.00	1626696	0.027	0.9	888.7	9.4	96
			344.45	347.45	3.00	1626697	0.03	0.8	1140.7	15.8	89
			347.45	350.45	3.00	1626698	0.322	4.9	8426.2	10.3	85
			350.45	353.45	3.00	1626699	0.372	6.5	11140	8.3	88



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
			353.45	356.45	3.00	1626701	0.063	1.6	2622.5	11	106
			356.45	359.45	3.00	1626702	0.145	2.3	3468	10.2	95
			359.45	362.45	3.00	1626703	0.089	1.5	2106.3	11.1	124
			362.45	365.45	3.00	1626704	0.018	1.4	1861.1	10.9	132
			365.45	368.45	3.00	1626705	0.018	1.2	1994.9	10.2	125
			368.45	371.45	3.00	1626706	0.032	0.7	991	14.7	115
			371.45	374.45	3.00	1626707	0.224	4	8006.8	11.9	111
			374.45	377.45	3.00	1626708	0.234	4.2	8671.1	7.4	98
			377.45	380.45	3.00	1626709	0.072	1.7	2995.2	13.3	115
			380.45	383.45	3.00	1626710	0.135	3.6	6128.2	10.8	144
			383.45	386.45	3.00	1626711	0.123	4.3	7971.3	13.7	117
			386.45	388.90	2.45	1626712	0.074	3.7	7185.4	12	131
			388.90	391.90	3.00	1626713	0.032	0.4	329.2	11.6	114
388.90	411.70	MNZD Monzodiorite									
		dark green									
		FG									
388.9 - 411.7: Dark green-grey, strongly altered, fine grained, monzodiorite with pyrite-rich hydrothermal breccia.											
Hydrothermal breccia is a clast supported breccia with 5-10cm fragments of rounded to sub-rounded strongly altered monzodiorite in a hydrothermal matrix consisting of net textured pyrite, magnetite, and actinolite. Chalcopyrite has dropped off although the breccias appear very similar to the mineralized breccia above.											
Alteration within the monzodiorite fragments is strong pervasive chlorite, epidote, actinolite, biotite(?) alteration and strong pyrite, magnetite, actinolite, chalcopyrite within the matrix of the breccia.											
Mineralization consists of net textured pyrite (up to 10%) as the matrix of the breccia, 1-2cm blebs of wispy pyrite often associated with magnetite and actinolite, and fine grained and very fine grained disseminated pyrite.											
<<Min: 388.9 - 411.7: 5% pyrite / 4% pyrite / 2% pyrite>>											
<<Alt: 388.9 - 411.7: strong (5-10%) Chlorite / moderate (3-5%) Pyrite / weak (1-3%) Actinolite / weak (1-3%) Magnetite>>											
<<Vein: 388.9 - 411.7: 5% Pyrite / 3% Epidote / 1% Quartz / 1% Calcium carbonate/Carbonate>>											
<<Struc: 406 - 406.2: moderate (3-5%) Veining - fracture fill 20 deg. >>											
			391.90	394.90	3.00	1626714	0.032	0.3	158.6	8.4	124
			394.90	397.90	3.00	1626715	0.068	0.7	221.9	9.4	134
			397.90	400.90	3.00	1626716	0.051	0.3	172.8	7.2	90
			400.90	403.90	3.00	1626717	0.057	0.3	257.5	8.5	80
			403.90	406.90	3.00	1626718	0.053	0.2	164.9	6.4	65
			406.90	409.90	3.00	1626719	0.031	0.1	118.9	5.5	59



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
411.70	420.80	MNZD Monzodiorite									
		dark green									
411.7 - 420.8: Dark green-grey, fine grained, moderately altered, monzodiorite.											
Alteration is moderate, pervasive chlorite alteration.											
Cut by abundant narrow (1-2mm) pyrite veinlets, cut by abundant narrow epidote veinlets.											
Mineralization is fine grained disseminated pyrite with narrow pyrite veinlets. Mineralization has dropped significantly from the above unit.											
418.3-419.1m small felsic monzodiorite dyke.											
<<Min: 411.7 - 420.8: 2% pyrite / 1% pyrite>>											
<<Alt: 411.7 - 420.8: weak (1-3%) Chlorite / weak (1-3%) Magnetite>>											
<<Vein: 411.7 - 420.8: 1% Pyrite / 1% Epidote / 1% Quartz / 1% Calcium carbonate/Carbonate>>											
<<Struc: 420.2 - 420.8: weak (1-3%) Veining - fracture fill 20 deg. >>											
420.80	432.00	MNZD Monzodiorite									
		dark green									
		FG									
420.8 - 432: Dark green-grey, strongly altered, fine grained, monzodiorite with pyrite-rich hydrothermal breccia.											
Hydrothermal breccia is a clast supported breccia with 5-10cm fragments of sub-rounded to sub-angular strongly altered monzodiorite in a hydrothermal matrix consisting of net-textured pyrite, magnetite, and actinolite.											
Alteration within the monzodiorite fragments is strong pervasive chlorite, epidote, actinolite, biotite(?) alteration and strong pyrite, magnetite, actinolite, within the matrix of the breccia.											
Mineralization consists of net textured pyrite (up to 10%) as the matrix of the breccia, 1-2cm blebs of wispy pyrite often associated with magnetite and actinolite, and fine grained and very fine grained disseminated pyrite. Little to no visible chalcopyrite.											
<<Min: 420.8 - 432: 5% pyrite / 4% pyrite / 2% pyrite>>											
<<Alt: 420.8 - 432: strong (5-10%) Chlorite / moderate (3-5%) Pyrite / weak (1-3%) Actinolite / weak (1-3%) Magnetite>>											
<<Vein: 420.8 - 432: 5% Pyrite / 3% Epidote / 1% Quartz / 1% Calcium carbonate/Carbonate>>											
			409.90	411.70	1.80	1626721	0.036	0.2	230.8	7.9	74
			411.70	414.70	3.00	1626722	0.016	0.2	328.2	7.4	103
			414.70	417.70	3.00	1626723	0.01	0.2	339.3	5.8	100
			417.70	420.80	3.10	1626724	0.013	0.2	269.7	8.6	117
			420.80	423.80	3.00	1626726	0.092	1.4	807.9	9.5	123
			423.80	426.80	3.00	1626727	0.083	1	367.7	7.6	124
			426.80	429.80	3.00	1626728	0.09	1.3	328.4	11	135
			429.80	432.80	3.00	1626729	0.065	0.7	325.4	14.6	153



GeoSpark: Drill Hole Report

Hole: NR14-031

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
432.00	450.49	MNZD Monzodiorite 432 - 450.49: Medium green-grey, fine grained, moderately altered, monzodiorite. Alteration is moderate, pervasive chlorite, silica, pyrite alteration. Cut by abundant narrow (1-2mm) pyrite veinlets, cut by abundant narrow epidote veinlets. Mineralization is fine grained disseminated pyrite (up to 5%) with narrow pyrite veinlets. Mineralization has dropped significantly from the above unit. <<Min: 432 - 450.49: 5% pyrite / 1% pyrite>> <<Alt: 432 - 450.49: weak (1-3%) Chlorite / weak (1-3%) Quartz / weak (1-3%) Pyrite>> <<Vein: 432 - 450.49: 1% Pyrite / 1% Epidote / 1% Quartz / 1% Calcium carbonate/Carbonate>>	432.80	435.80	3.00	1626730	0.019	0.3	345.7	14.7	99
			435.80	438.00	2.20	1626731	0.021	0.3	324.8	11.2	96
			438.00	441.00	3.00	1626732	0.033	0.4	231.3	11.7	116
			441.00	444.00	3.00	1626733	0.019	0.3	150.9	14.5	127
			444.00	447.00	3.00	1626734	0.018	0.2	228.9	15.2	120
			447.00	449.00	2.00	1626735	0.018	0.2	292.9	7.1	50
			449.00	450.49	1.49	1626736	0.016	0.3	348.3	12.7	100

End of Hole @ 450.49



GeoSpark: Drill Hole Report

Project: NROK

Hole: NR14-032

Prospect:	Mabon	Survey Type:	GPS	Logged By:	G. Dessureau	Steel Lost In Hole:	<input type="checkbox"/>
Prop. Grid:	NAD83_Z9	Survey By:		Date Started:	23/05/2014	Depth Steel Lost:	
Prop. East:	444320	Azimuth:	40	Date Completed:	28/05/2014	Steel Lost Inventory:	
Prop. North:	6408250	Dip:	-65	Drill Company:	Black Hawk	Hole Cemented:	<input type="checkbox"/>
Prop. Elevation (m):	1020	Length (m):	415.75	Drill Rig:	Rig1	Bags of Cement:	
Final UTM Grid	NAD83_Z9	Hole Type:	DD	Drill Started:	21/05/2014	Artesian Hole:	<input type="checkbox"/>
UTM East:	444328	Hole Diameter:	4 3/4	Drill Completed	27/05/2014	Artesian Flow	
UTM North:	6408125	Core Size:	NQ	Reduced Depth:		Comments:	
UTM Elevation (m):	1198	Casing Pulled?:	<input type="checkbox"/>	Reduced Size:			
		Casing Depth (m):	3.04				

Comments:

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
22.6	ReflexEzs	Unknown	22/05/2014	-64.3	26.5	21.5	48	5677	<input checked="" type="checkbox"/>	
86.6	ReflexEzs	Unknown	23/05/2014	-65.2	31.2	21.5	52.7		<input checked="" type="checkbox"/>	
138.4	ReflexEzs	Unknown	23/05/2014	-65.6	22.3	21.5	43.8	5692	<input checked="" type="checkbox"/>	
190.2	ReflexEzs	Unknown	24/05/2014	-66.2	30.2	21.5	51.7	5721	<input checked="" type="checkbox"/>	
263.3	ReflexEzs	Unknown	24/05/2014	-66	25.7	21.5	47.2	5669	<input checked="" type="checkbox"/>	
324.3	ReflexEzs	Unknown	26/05/2014	-66.2	27.9	21.5	49.4	5548	<input checked="" type="checkbox"/>	
415.75	ReflexEzs	Unknown	26/05/2014	-66.1	29.9	21.5	51.4	5656	<input checked="" type="checkbox"/>	



GeoSpark: Drill Hole Report

Hole: NR14-032

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
0.00	1.22	OVB Overburden									
0 - 1.22: Overburden											
1.22	82.00	MNZD Monzodiorite	grey			FMG					
1.22	82	Grey to greenish grey and rusty on fractures, fine to medium grained (1mm), weakly altered, monzodiorite. Well preserved primary igneous textures with 1mm feldspar crystals, 0.5mm primary magnetite crystals in a grey matrix.									
Alteration is weak, pervasive chlorite alteration with weak patchy epidote alteration with moderate oxidation along fracture surfaces. Narrow zones (up to 10cm) with moderate epidote alteration associated with epidote veinlets and/or quartz-carbonate veinlets.											
Cut by common, narrow (1mm) pyrite veinlets (mostly oxidized), cut by narrow (1mm) epidote veinlets, and finally cut by narrow (1mm) carbonate veinlets.											
Mineralization is dominantly fine grained (<1mm) disseminated pyrite (up to 1%) with narrow (1-2mm) pyrite veinlets.											
<<Min: 1.22 - 82: 1% pyrite>>											
4.22	7.22			3.00		1626738	0.005	0.05	119.5	13.4	55
<<Alt: 1.22 - 82: trace (trace to 1%) Chlorite / trace (trace to 1%) Epidote / trace (trace to 1%) Oxidation undifferentiated>> Weak pervasive to patchy chlorite alteration with weak patchy epidote alteration.											
7.22	10.22			3.00		1626739	0.008	0.05	94.9	6	55
<<Vein: 1.22 - 82: 1% Pyrite / 1% Epidote / 1% Quartz>>											
10.22	13.22			3.00		1626741	0.0025	0.05	125.7	4.2	42
<<Struc: 23.9 - 24.1: trace (trace to 1%) Fault Zone 20 deg. >>											
13.22	16.22			3.00		1626742	0.0025	0.05	68.6	2.3	42
<<Struc: 32 - 34: trace (trace to 1%) Fault Zone 70 deg. >>											
16.22	19.22			3.00		1626743	0.0025	0.05	76	2.8	35
<<Struc: 41 - 41.5: weak (1-3%) Veining - fracture fill 75 deg. >>											
19.22	22.22			3.00		1626744	0.007	0.05	116	6.1	37
<<Struc: 74.4 - 74.6: weak (1-3%) Fault Zone 70 deg. >>											
22.22	25.22			3.00		1626745	0.007	0.05	154.8	6.3	38
25.22	28.22			3.00		1626746	0.006	0.05	111.7	4.2	44
28.22	31.22			3.00		1626747	0.01	0.05	115.8	7.2	48
31.22	34.22			3.00		1626748	0.012	0.05	102	19.5	103
34.22	37.22			3.00		1626749	0.012	0.05	170	5.7	38
37.22	40.22			3.00		1626751	0.013	0.2	87.7	52	99
40.22	43.22			3.00		1626752	0.025	0.3	66.3	6.4	40
43.22	46.22			3.00		1626753	0.012	0.05	112.2	7.3	41
46.22	49.22			3.00		1626754	0.018	0.2	28.7	7.1	63



GeoSpark: Drill Hole Report

Hole: NR14-032

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
			49.22	52.22	3.00	1626755	0.013	0.1	185.7	4.1	66
			52.22	55.22	3.00	1626756	0.027	0.2	207.7	14.2	68
			55.22	58.22	3.00	1626757	0.026	0.2	225	18.8	59
			58.22	61.22	3.00	1626758	0.015	0.05	176.5	4	41
			61.22	61.22	0.00	1626759	0.011	0.05	111.9	3.1	42
			61.22	67.22	6.00	1626761	0.013	0.05	194.6	7.2	58
			67.22	70.22	3.00	1626762	0.006	0.05	117.4	3	48
			70.22	73.22	3.00	1626763	0.009	0.05	157.6	1.8	57
			73.22	76.22	3.00	1626764	0.043	0.2	332.9	5	54
			76.22	79.22	3.00	1626765	0.012	0.05	170.5	10.4	55
			79.22	82.00	2.78	1626766	0.0025	0.05	145.9	3.7	66
82.00	89.90	MNZD Monzodiorite									
			82.00	85.00	3.00	1626767	0.032	0.2	448.9	9.4	50

82 - 89.9: Medium grey to green-grey, moderately altered, fine-medium grained monzodiorite breccia. Breccia is a matrix supported breccia with 1-5cm rounded fragments of altered monzodiorite in an altered monzodioritic matrix.

Alteration is moderate, pervasive chlorite-epidote alteration.

Cut by abundant epidote veinlets, and cut by abundant quartz-carbonate veinlets.

Mineralization is dominantly fine to very fine grained disseminated pyrite with trace (rare) very fine grained chalcopyrite.

<<Min: 82 - 89.9: 1% pyrite / 0.1% chalcopyrite>>

<<Alt: 82 - 89.9: moderate (3-5%) Chlorite / moderate (3-5%) Epidote>>

<<Vein: 82 - 89.9: 1% Pyrite / 5% Epidote>>

85.00	88.00	3.00	1626768	0.026	0.2	473.1	12.5	41
88.00	89.90	1.90	1626769	0.067	0.4	1025.6	4.8	35



GeoSpark: Drill Hole Report

Hole: NR14-032

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
89.90	114.10	MNZD Monzodiorite dark green FG 89.9 - 114.1: Medium to dark green, fine grained, weak to moderately altered monzodiorite. Least altered zones show some primary feldspar ghosts with possible primary magnetite. Strongly magnetic rock. Alteration is weak to moderate, pervasive chlorite-epidote alteration with epidote alteration decreasing away from the upper breccia unit. Cut by abundant narrow (1-2mm) pyrite (+actinolite or black chlorite) veinlets, cut by abundant narrow (1-2mm) epidote veinlets. Mineralization is dominantly fine grained, disseminated pyrite. <<Min: 89.9 - 122.4: 2% pyrite>> <<Alt: 89.9 - 114.1: weak (1-3%) Chlorite / weak (1-3%) Epidote>> <<Vein: 89.9 - 122.4: 4% Pyrite / 4% Epidote>>	89.90	92.90	3.00	1626770	0.012	0.1	200.7	2.1	54
			92.90	95.90	3.00	1626771	0.02	0.2	267.8	3.3	41
			95.90	98.90	3.00	1626772	0.012	0.05	110.2	1.9	45
			98.90	101.90	3.00	1626773	0.012	0.05	170.5	3.3	60
			101.90	104.90	3.00	1626774	0.016	0.1	237.2	3.8	52
			104.90	107.90	3.00	1626776	0.027	0.2	262.5	5	44
			107.90	110.90	3.00	1626777	0.042	0.2	413	8	50
			110.90	114.90	4.00	1626778	0.043	0.2	516.8	5.7	47
			114.90	117.10	2.20	1626779	0.03	0.2	347.4	2.7	43
114.10	137.70	MNZD Monzodiorite dark grey/green FG 114.1 - 137.7: Dark green to dark grey-green, moderate to strongly altered, monzodiorite and monzodiorite breccia. Breccias are clast supported, with angular fragments in an actinolite pyrite-rich matrix. Alteration is moderate to strong, chlorite-epidote alteration. Cut by abundant narrow (1-2mm) actinolite-pyrite veinlets, in some cases almost developing to a stockwork or breccia zone, and cut by abundant narrow (1-2mm) epidote veinlets. Mineralization is dominantly fine grained disseminated pyrite with abundant pyrite veins and veinlets. Pyrite content has increased with values up to 10%. Massive pyrite vein from 122.4-122.9 (>80% pyrite). <<Min: 122.4 - 122.9: 90% pyrite>>	117.10	120.10	3.00	1626781	0.028	0.3	359.6	14.2	125



GeoSpark: Drill Hole Report

Hole: NR14-032

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<<Min: 122.9 - 137.7: 5% pyrite / 5% pyrite / 0.1% chalcopyrite>>			120.10	123.10	3.00	1626782	0.18	2.3	2402.7	110.5	731
<<Alt: 114.1 - 122.4: moderate (3-5%) Chlorite / weak (1-3%) Epidote>>			123.10	126.10	3.00	1626783	0.151	3.1	2171.5	68.5	189
<<Alt: 122.4 - 122.9: strong (5-10%) Chlorite / weak (1-3%) Epidote>>			126.10	129.10	3.00	1626784	0.032	0.6	916.5	7.6	78
<<Alt: 122.9 - 137.7: weak (1-3%) Chlorite / trace (trace to 1%) Epidote>>			129.10	132.10	3.00	1626785	0.033	0.3	573.2	9.2	46
<<Vein: 122.4 - 122.9: 90% Pyrite>>			132.10	135.10	3.00	1626786	0.013	0.2	220.6	13.5	83
<<Vein: 122.9 - 137.7: 5% Pyrite>>			135.10	137.70	2.60	1626787	0.016	0.2	274.5	6.3	61
<<Struc: 120.3 - 121.3: weak (1-3%) Fault Zone 60 deg. >>											
<<Struc: 122.4 - 122.9: intense (>10%) Veining - fracture fill 60 deg. >> Massive pyrite vein.											
137.70 151.90 MNZD Monzodiorite green FG			137.70	140.70	3.00	1626788	0.014	0.1	184.7	3.3	56

137.7 - 151.9: Dark green, fine grained, moderate altered monzodiorite. Weak primary textures preserves, possible primary magnetite. Rock mass is magnetitic.

Alteration is moderate, pervasive chlorite-epidote alteration.

Cut by abundant pyrite veinlets, cut by abundant narrow (1mm epidote veinlets).

Mineralization is dominantly fine grained disseminated pyrite (<1%).

<<Min: 137.7 - 151.9: 5% pyrite / 2% pyrite>>			140.70	143.70	3.00	1626789	0.017	0.2	298.9	3.9	38
<<Alt: 137.7 - 151.9: moderate (3-5%) Chlorite / weak (1-3%) Epidote>>			143.70	146.70	3.00	1626791	0.024	0.2	383.2	5.2	53
<<Vein: 137.7 - 151.9: 2% Pyrite / 2% Epidote>>			146.70	149.70	3.00	1626792	0.02	0.2	296.5	3.4	52
			149.70	151.90	2.20	1626793	0.02	0.3	320.6	9.1	66
151.90 153.00 MNZD Monzodiorite light green-grey FG			151.90	154.90	3.00	1626794	0.01	0.2	166.8	18.9	71

151.9 - 153: Light grey to light green grey, strongly altered, felsic looking monzodiorite dyke with sharp contacts.

Alteration is strong, pervasive quartz-epidote-chlorite alteration.

Cut by few epidote veinlets.

Mineralization very fine grained pyrite (>1%).

<<Min: 151.9 - 153: 1% pyrite>>



GeoSpark: Drill Hole Report

Hole: NR14-032

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<<Alt: 151.9 - 153: moderate (3-5%) Silicification / weak (1-3%) Epidote / trace (trace to 1%) Chlorite >> <<Vein: 151.9 - 153: 2% Pyrite / 2% Epidote>>											
153.00	245.40	MNZD Monzodiorite									
153 - 245.4: Dark green, fine to very fine grained, moderate to strongly altered monzodiorite. Variable alteration with weak primary textures preserved in the least altered zones, possible primary magnetite. Locally weakly brecciated with actinolite-pyrite matrix within angular monzonite fragments. Rock mass is magnetic.			154.90	157.90	3.00	1626795	0.023	0.2	391.7	6.5	49
Alteration is moderate to strong, pervasive chlorite alteration with patchy epidote alteration and weak magnetite alteration. Cut by abundant pyrite veinlets, cut by abundant narrow (1mm) epidote veinlets. Mineralization is dominantly fine grained disseminated pyrite (<1%) increasing down hole, with trace very fine grained chalcopyrite (<0.2%).											
<<Min: 153 - 245.4: 5% pyrite / 2% pyrite>>											
<<Alt: 153 - 245.4: strong (5-10%) Chlorite / weak (1-3%) Epidote / weak (1-3%) Magnetite>>											
<<Vein: 153 - 245.4: 2% Pyrite / 2% Epidote>>											
<<Struc: 208.2 - 210: strong (5-10%) Fault Zone 30 deg. >> fault zone with broken rock and 2' no recovery.											
<<Struc: 235 - 236.5: moderate (3-5%) Fault Zone 30 deg. >>											
<<Struc: 245 - 245.4: moderate (3-5%) Fault Zone 60 deg. >>											
			157.90	160.90	3.00	1626796	0.018	0.2	257.3	4.6	67
			160.90	163.90	3.00	1626797	0.023	0.2	296.2	8.3	54
			163.90	166.90	3.00	1626798	0.011	0.1	275.6	3.3	46
			166.90	169.90	3.00	1626799	0.01	0.1	221.1	4.7	57
			169.90	172.90	3.00	1626801	0.02	0.1	258.5	4.2	47
			172.90	175.90	3.00	1626802	0.019	0.3	480.9	7.9	47
			175.90	178.90	3.00	1626803	0.0025	0.05	113.9	1.7	44
			178.90	181.90	3.00	1626804	0.016	0.1	289.7	4	56
			181.90	184.90	3.00	1626805	0.015	0.05	139.8	4.5	54
			184.90	187.90	3.00	1626806	0.01	0.05	144.8	3.2	52
			187.90	190.90	3.00	1626807	0.02	0.1	285.7	5	49
			190.90	193.90	3.00	1626808	0.019	0.1	194.5	6.2	50
			193.90	196.90	3.00	1626809	0.02	0.1	207.6	5.3	47
			196.90	199.90	3.00	1626810	0.02	0.1	220.2	5.7	45
			199.90	202.90	3.00	1626811	0.011	0.05	146.7	4.7	46
			202.90	205.90	3.00	1626812	0.017	0.2	242	8.1	50
			205.90	209.90	4.00	1626813	0.015	0.1	221.8	3.6	72



GeoSpark: Drill Hole Report

Hole: NR14-032

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
249.30	271.40	MNZD Monzodiorite green-grey FG	249.30	252.30	3.00	1626831	0.03	0.5	461.4	7.1	70
<p>249.3 - 271.4: Medium grey to green-grey, fine grained, weak to moderately altered, monzodiorite. Least altered zones have abundant small (<1mm) crowded feldspar crystals most visible around narrow epidote(+quartz) veinlets with bleached selvages.</p> <p>Alteration is weak to moderate, pervasive chlorite-epidote alteration.</p> <p>Cut but rare narrow pyrite veinlets, cut by abundant narrow epidote veinlets, and very rare narrow quartz-carbonate veinlets.</p> <p>Mineralization is dominantly fine grained disseminated pyrite (less than 1%).</p> <p><<Min: 249.3 - 271.4: 1% pyrite / 1% pyrite>></p> <p><<Alt: 249.3 - 271.4: weak (1-3%) Chlorite / trace (trace to 1%) Epidote>></p> <p><<Vein: 249.3 - 271.4: 0.5% Pyrite / 2% Epidote>></p>											
			252.30	255.30	3.00	1626832	0.019	0.4	319.7	5.2	77
			255.30	258.30	3.00	1626833	0.03	0.5	452.2	7.7	61
			258.30	261.30	3.00	1626834	0.017	0.2	211.4	4.4	48
			261.30	264.30	3.00	1626835	0.023	0.2	202.4	3.9	41
			264.30	267.30	3.00	1626836	0.013	0.05	140.1	2.2	46
			267.30	270.30	3.00	1626837	0.01	0.05	89	1.9	43
			270.30	271.40	1.10	1626838	0.0025	0.05	96	8.9	39
271.40	293.70	MNZD Monzodiorite green-grey FG	271.40	274.40	3.00	1626839	0.018	0.3	256	5.7	54
<p>271.4 - 293.7: Medium green to grey green, moderately altered, fined grained, monzodiorite.</p> <p>Alteration is moderate, pervasive chlorite+magnetite+epidote+pyrite alteration.</p> <p>Cut by common narrow pyrite veinlets, cut by narrow epidote veinlets and veins, cut by rare pyrite+epidote+chalcopyrite veinlets.</p> <p>Mineralization is dominantly fine grained disseminated pyrite with narrow pyrite veinlets. Up to 0.1% chalcopyrite occurs as narrow pyrite+epidote+chalcopyrite veinlets.</p> <p><<Min: 271.4 - 293.7: 2% pyrite / 2% pyrite / 0.1% chalcopyrite>></p> <p><<Alt: 271.4 - 293.7: strong (5-10%) Chlorite / weak (1-3%) Epidote / weak (1-3%) Magnetite>></p> <p><<Vein: 271.4 - 293.7: 2% Pyrite / 4% Epidote / 0.1% Pyrite-Chalcopyrite / 1% Magnetite>></p> <p><<Struc: 279 - 279.15: moderate (3-5%) Veining - fracture fill 25 deg. >></p>											
			274.40	277.40	3.00	1626841	0.021	0.1	202.1	1.9	62
			277.40	280.40	3.00	1626842	0.183	0.7	998.9	5.6	68
			280.40	283.40	3.00	1626843	0.027	0.4	543.2	8.4	80
			283.40	286.40	3.00	1626844	0.022	0.4	333.5	8.6	70



GeoSpark: Drill Hole Report

Hole: NR14-032

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
			286.40	289.40	3.00	1626845	0.017	0.4	409.9	14.6	84
			289.40	291.40	2.00	1626846	0.019	0.2	268.6	7.8	69
			291.40	293.70	2.30	1626847	0.043	0.3	385.7	5.2	71
293.70	314.70	MNZD Monzodiorite									
		green-grey FG	293.70	296.70	3.00	1626848	0.241	1.6	2288.3	9.7	135
<p>293.7 - 314.7: Light to medium grey and green grey and pinkish grey strongly altered monzodiorite breccia. Abundant 1-10cm rounded fragments of strongly altered (silica-chlorite) monzodiorite in a chlorite, magnetite, epidote matrix. Very little primary textures preserved.</p> <p>Alteration is strong, pervasive, chlorite+magnetite+epidote+K-feldspar+albite(?) alteration. Several phases of alteration are observed: 1) silica-chlorite > chlorite+magnetite+K-feldspar > epidote.</p> <p>Cut by abundant pyrite veins and veinlets, cut by abundant magnetite veinlets, cut by abundant epidote veins and veinlets. Magnetite veinlets are generally associated with K-feldspar, pyrite, quartz, epidote, and chalcopyrite.</p> <p>Mineralization is dominantly fine grained pyrite, with narrow pyrite veinlets. Chalcopyrite occurs as very fine grained disseminations and as large (0.5cm) blebs (up to 2%) within a large magnetite, pyrite, chalcopyrite vein with abundant epidote alteration. Very fine grained disseminated chalcopyrite is associated with magnetite (+K-feldspar) clots.</p> <p><<Min: 293.7 - 314.7: 5% pyrite / 5% pyrite / 0.2% chalcopyrite / 0.1% chalcopyrite>></p> <p><<Alt: 293.7 - 314.7: intense (>10%) Chlorite / moderate (3-5%) Magnetite / moderate (3-5%) Epidote / weak (1-3%) Albitisation >></p> <p><<Vein: 293.7 - 314.7: 5% Pyrite / 5% Epidote / 0.1% Pyrite-Chalcopyrite / 1% Magnetite>></p>											
			296.70	299.70	3.00	1626849	0.265	2.4	3001.7	9.1	159
			299.70	302.70	3.00	1626851	0.166	1.7	1972.5	7.1	124
			302.70	305.70	3.00	1626852	0.396	5.4	6619.3	11.2	242
			305.70	308.70	3.00	1626853	0.66	4.6	5125.4	15.4	211
			308.70	311.70	3.00	1626854	0.578	4.2	4772.8	6	143
			311.70	314.70	3.00	1626855	0.295	2.8	3090.9	6	143



GeoSpark: Drill Hole Report

Hole: NR14-032

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
314.70	323.60	MNZD Monzodiorite green-grey FG	314.70	317.70	3.00	1626856	0.135	1.1	1300.2	8.8	85
<p>314.7 - 323.6: Light grey, green-grey, beige, and light green, mottled textured, strongly altered, fine grained monzodiorite breccia. Rock mass is non-magnetic. Could be an altered dyke phase or maybe magnetite was destroyed by late silica-albite alteration.</p> <p>Several generations of alteration are visible. The oldest appears to be strong pervasive chlorite(+silica), overprinted by chlorite+magnetite+epidote overprinted by quartz-albite-hornblende(?), overprinted by a late epidote vein and alteration phase.</p> <p>Cut by abundant pyrite veins and veinlets, cut by abundant epidote veinlets.</p> <p>Mineralization is dominantly fine grained disseminated pyrite (up to 5%) with abundant narrow pyrite veinlets, and very fine grained disseminated chalcopyrite (up to 0.1%).</p> <p><<Min: 314.7 - 323.6: 5% pyrite / 5% pyrite / 0.1% chalcopyrite>></p> <p><<Alt: 314.7 - 323.6: strong (5-10%) Chlorite / moderate (3-5%) Magnetite / moderate (3-5%) Quartz / weak (1-3%) Albitisation / moderate (3-5%) Epidote>></p> <p><<Vein: 314.7 - 323.6: 5% Pyrite / 5% Epidote / 0.1% Pyrite-Chalcopyrite / 1% Magnetite>></p> <p><<Struc: 322.9 - 323.8: strong (5-10%) Fault Zone 30 deg. >></p>											
			317.70	320.20	2.50	1626857	0.081	1.2	1181.2	11.9	116
			320.20	323.60	3.40	1626858	0.044	1.5	1264.3	118.5	696
323.60	337.90	MNZD Monzodiorite green-grey FG	323.60	326.60	3.00	1626859	0.102	1.4	1474.2	18	195
<p>323.6 - 337.9: Dark green-grey to pinkish-green-grey, strongly altered, fine grained, monzodiorite breccia. Breccia consists of occasional rounded fragments of K-feldspar altered monzodiorite in a chlorite rich matrix. Rock mass is magnetic.</p> <p>Alteration is strong, pervasive chlorite-magnetite patchy K-feldspar alteration with weak patchy epidote alteration.</p> <p>Cut by abundant pyrite veins and veinlets, cut by abundant epidote veinlets.</p> <p>Mineralization is dominantly fine grained disseminated pyrite with narrow veins of pyrite. Chalcopyrite occurs as very fine grained disseminations (up to .1% cpy) associated with magnetite clots.</p> <p><<Min: 323.6 - 337.9: 5% pyrite / 3% pyrite / 0.1% chalcopyrite>></p> <p><<Alt: 323.6 - 337.9: strong (5-10%) Chlorite / moderate (3-5%) Magnetite / weak (1-3%) Epidote>></p> <p><<Vein: 323.6 - 337.9: 4% Pyrite / 3% Epidote / 1% Magnetite>></p>											
			326.60	329.60	3.00	1626861	0.079	0.9	895.9	8.4	102
			329.60	332.60	3.00	1626862	0.055	1.8	1457.6	8.6	201
			332.60	335.60	3.00	1626863	0.039	1	763.5	11.5	124
			335.60	337.90	2.30	1626864	0.048	0.8	829.5	6	137



GeoSpark: Drill Hole Report

Hole: NR14-032

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
337.90	345.50	MNZD Monzodiorite									
<p>green-grey FG</p> <p>337.9 - 345.5: Dark green-grey, fine grained, moderately to strongly altered, monzodiorite. Locally weak brecciation with wisps of magnetite filling the fractures.</p> <p>Alteration is strong, pervasive chlorite-magnetite alteration with weak patchy epidote alteration.</p> <p>Cut by abundant epidote veinlets cut by abundant late quartz-carbonate veinlets.</p> <p>Sulfide content has dropped to <1% with narrow pyrite veins and veinlets. Trace chalcopyrite generally hosted in narrow (<1mm) chalopyrite veinlets.</p> <p><<Min: 337.9 - 345.5: 1% pyrite>></p> <p><<Alt: 337.9 - 345.5: moderate (3-5%) Chlorite / trace (trace to 1%) Magnetite>></p> <p><<Vein: 337.9 - 345.5: 1% Pyrite / 1% Epidote / 1% Magnetite / 0.1% Pyrite-Chalcopyrite>></p>											
			337.90	340.90	3.00	1626865	0.023	0.7	610.8	6.9	145
			340.90	342.90	2.00	1626866	0.039	0.5	442.6	4.8	119
			342.90	345.50	2.60	1626867	0.034	0.7	766.7	5.9	155
345.50	369.50	MNZD Monzodiorite									
<p>green-grey FG</p> <p>345.5 - 369.5: Dark green-grey, fine grained, moderately to strongly altered, monzodiorite. Locally weak brecciation with wisps of magnetite filling the fractures.</p> <p>Alteration is moderate, pervasive chlorite (+-magnetite) alteration with weak, patchy quartz pyrite alteration. Small zones with weak K-feldspar+magnetite alteration.</p> <p>Cut by abundant epidote veinlets cut by common late quartz-carbonate veinlets.</p> <p>Sulfide content has dropped to <1% with narrow pyrite veins and veinlets. Chalcopyrite has decreased to little or no visible chalcopyrite.</p> <p><<Min: 345.5 - 369.5: 1% pyrite / 1% pyrite>></p> <p><<Alt: 345.5 - 369.5: moderate (3-5%) Chlorite / trace (trace to 1%) Magnetite / trace (trace to 1%) Quartz / trace (trace to 1%) Pyrite>></p> <p><<Vein: 345.5 - 369.5: 1% Pyrite / 1% Epidote / 1% Quartz>></p>											
			345.50	348.50	3.00	1626868	0.019	0.3	337.8	3.3	91
			348.50	351.50	3.00	1626869	0.047	0.6	708.1	9.3	118
			351.50	354.50	3.00	1626870	0.022	0.5	420.7	5.5	111
			354.50	357.50	3.00	1626871	0.02	0.4	308.2	4.9	89
			357.50	360.50	3.00	1626872	0.02	0.6	595.9	4.6	70
			360.50	363.50	3.00	1626873	0.015	0.4	316.5	4	81
			363.50	366.50	3.00	1626874	0.031	0.6	551.8	5	92
			366.50	369.50	3.00	1626876	0.011	0.4	266.1	4.1	71



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
369.50	388.90	MNZD Monzodiorite green-grey FG	369.50	372.50	3.00	1626877	0.025	1	1180	5.8	107
<p>369.5 - 388.9: Dark green-grey, fine grained, moderately to strongly altered, monzodiorite and monzodiorite breccia with dark (non-magnetic) matrix. Abundant 1-10cm rounded fragments in a clast supported breccia. Nice breccia textures.</p> <p>Alteration is moderate, pervasive chlorite-magnetite alteration with weak, patchy quartz pyrite alteration. Small zones with weak K-feldspar+magnetite alteration occasionally with chalcopyrite.</p> <p>Cut by rare pyrite viens, cut by abundant epidote veinlets cut by common late quartz-carbonate veinlets.</p> <p>Mineralization is dominantly fine grained disseminated pyrite (up to 2%), with rare pyrite veins. Two small veins of pyrite with chalcopyrite were observed at 370.4m and 388.4m</p> <p><<Min: 369.5 - 388.9: 3% pyrite / 1% pyrite / 0.1% chalcopyrite>></p> <p><<Alt: 369.5 - 388.9: moderate (3-5%) Chlorite / weak (1-3%) Epidote>></p> <p><<Vein: 369.5 - 388.9: 1% Pyrite / 1% Epidote>></p>											
			372.50	375.50	3.00	1626878	0.02	0.4	425.5	4.3	97
			375.50	378.50	3.00	1626879	0.012	0.4	319	7.3	79
			378.50	381.50	3.00	1626881	0.019	0.4	419.9	8.1	78
			381.50	384.50	3.00	1626882	0.019	0.3	426.5	6.1	64
			384.50	386.50	2.00	1626883	0.024	0.5	549.3	5.9	77
			386.50	388.90	2.40	1626884	0.029	0.5	613.5	4.6	83
			388.90	391.90	3.00	1626885	0.037	0.6	616	10.3	111
388.90	415.75	MNZD Monzodiorite green-grey FMG									
<p>388.9 - 415.75: Dark green-grey, fine to medium grained, moderately to strongly altered, monzodiorite. Locally weak brecciation with wisps of magnetite filling the fractures.</p> <p>Alteration is moderate, pervasive chlorite alteration with small zones of moderate epidote alteration and veins.</p> <p>Cut by abundant epidote veinlets cut by common late quartz-carbonate veinlets.</p> <p>Mineralizatio is dominantly fine grained disseminated pyrite (up to 1%). No visible chalcopyrite.</p> <p>End of Hole at 415.75m.</p> <p><<Min: 388.9 - 415.75: 1% pyrite>></p> <p><<Alt: 388.9 - 415.75: weak (1-3%) Chlorite / weak (1-3%) Magnetite / weak (1-3%) Epidote>></p> <p><<Vein: 388.9 - 415.75: 1% Pyrite / 1% Epidote>></p>											
			391.90	394.90	3.00	1626886	0.014	0.3	480.1	8.1	73
			394.90	397.90	3.00	1626887	0.015	0.2	311.7	3.2	87
			397.90	400.90	3.00	1626888	0.011	0.3	279.5	4.8	71
			400.90	403.90	3.00	1626889	0.028	0.5	477.6	8	104
			403.90	406.90	3.00	1626891	0.03	0.4	477.2	6.8	104



GeoSpark: Drill Hole Report

Hole: NR14-032

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
			406.90	409.90	3.00	1626892	0.029	0.5	475.5	3.6	173
			409.90	412.90	3.00	1626893	0.025	0.3	390.3	2.6	129
			412.90	415.75	2.85	1626894	0.023	0.5	374.7	4.9	144

End of Hole @ 415.75



GeoSpark: Drill Hole Report

Project: NROK

Hole: NR14-033

Prospect:	Mabon	Survey Type:	GPS	Logged By:	G. Dessureau	Steel Lost In Hole:	<input type="checkbox"/>
Prop. Grid:	NAD83_Z9	Survey By:		Date Started:	28/05/2014	Depth Steel Lost:	
Prop. East:	444700	Azimuth:	220	Date Completed:	03/06/2014	Steel Lost Inventory:	
Prop. North:	6408250	Dip:	-45	Drill Company:	Black Hawk	Hole Cemented:	<input type="checkbox"/>
Prop. Elevation (m):	1145	Length (m):	419.1	Drill Rig:	Rig1	Bags of Cement:	
Final UTM Grid	NAD83_Z9	Hole Type:	DD	Drill Started:	28/05/2014	Artesian Hole:	<input type="checkbox"/>
UTM East:	444700	Hole Diameter:	4 3/4	Drill Completed	02/06/2014	Artesian Flow	
UTM North:	6408250	Core Size:	NQ	Reduced Depth:		Comments:	
UTM Elevation (m):	1145	Casing Pulled?:	<input type="checkbox"/>	Reduced Size:			
		Casing Depth (m):	10.6				

Comments:

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
38.1	ReflexEzs	Unknown	29/05/2014	-44.1	200.2	21.5	221.7	5639	<input checked="" type="checkbox"/>	
89.9	ReflexEzs	Unknown	29/05/2014	-45	204.1	21.5	225.6	5614	<input checked="" type="checkbox"/>	
141.7	ReflexEzs	Unknown	30/05/2014	-44.4	212.6	21.5	234.1	5564	<input checked="" type="checkbox"/>	
199.6	ReflexEzs	Unknown	30/05/2014	-44.2	211.4	21.5	232.9	5625	<input checked="" type="checkbox"/>	
251.5	ReflexEzs	Unknown	31/05/2014	-44.7	208.1	21.5	229.6	5672	<input checked="" type="checkbox"/>	
303.3	ReflexEzs	Unknown	01/06/2014	-43	217.5	21.5	239	5625	<input checked="" type="checkbox"/>	
370.43	ReflexEzs	Unknown	30/05/2014	-41	222.2	21.5	243.7	5632	<input checked="" type="checkbox"/>	
419.1	ReflexEzs	Unknown	30/05/2014	-40.6	225.4	21.5	246.9	5672	<input checked="" type="checkbox"/>	



GeoSpark: Drill Hole Report

Hole: NR14-033

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
0.00	10.60	OVB Overburden									
0 - 10.6: Overburden - no recovery.											
10.60	31.40	VC Volcaniclastics grey VFG	10.60	13.60	3.00	1626895	0.019	0.3	176.3	5.8	47
10.6 - 31.4: Medium grey locally rusty, fine grained, weakly to moderately altered intermediate volcanic and volcaniclastic rocks. Dominantly very fine grained, crystal-ash tuff. Locally small breccia zones ranging from clast-supported angular (jigsaw-fit) in-situ breccias to matrix supported, rounded to subrounded breccias. Fragments range from <0.1cm to >2cm and are dominantly the same composition as the wall rocks.											
Top of the hole is moderately oxidized along fractures down to ~30m.											
Alteration is weak to moderate, pervasive, quartz-pyrite alteration.											
Cut by common, narrow (1-2mm), pyrite veinlets, cut by narrow (1-5mm) quartz-carbonate veinlets.											
Mineralization is dominantly fine grained disseminated pyrite with narrow (1-2mm) pyrite veinlets.											
<<Min: 10.6 - 31.4: 1% pyrite / 2% pyrite>>											
<<Alt: 10.6 - 31.4: moderate (3-5%) Silicification / weak (1-3%) Pyrite>>											
<<Vein: 10.6 - 31.4: 1% Pyrite / 2% Quartz>>											
<<Struc: 18.7 - 22.3: strong (5-10%) Fault Zone 50 deg. >> fault zone											
<<Struc: 28.9 - 29.2: moderate (3-5%) Fault Zone 30 deg. >>											
	13.60	16.60	3.00	1626896	0.014	0.1	188	3.7	43		
	16.60	19.60	3.00	1626897	0.026	0.2	241.4	7.1	44		
	19.60	22.60	3.00	1626898	0.02	0.2	34.8	7.4	38		
	22.60	25.60	3.00	1626899	0.024	0.2	233.9	5.7	44		
	25.60	28.60	3.00	1626901	0.025	0.2	194.9	11.4	52		
	28.60	31.40	2.80	1626902	0.019	0.1	142.7	8.4	59		



GeoSpark: Drill Hole Report

Hole: NR14-033

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
31.40	104.90	VC Volcaniclastics green-grey FG	31.40	34.40	3.00	1626903	0.017	0.1	128	3.9	53
<p>31.4 - 104.9: Medium grey locally rusty, fine grained, weakly to moderately altered intermediate volcanic and volcaniclastic rocks. Dominantly very fine grained, crystal-ash tuff with small (<1mm) feldspar crystals in a very fine grained granular matrix. Rare small breccia zones ranging from clast-supported angular (jigsaw-fit) in-situ breccias to matrix supported, rounded to subrounded breccias. Fragments range from <0.1cm to >2cm and are dominantly the same composition as the wall rocks. Some crystal tuffs look like they may contain ghosts of larger fragments or possibly amygdules</p> <p>Weakly oxidized along fractures down to ~60m.</p> <p>Alteration is weak to moderate, pervasive, quartz-pyrite alteration with weak pervasive chlorite alteration.</p> <p>Cut by common, narrow (1-2mm), pyrite veinlets, cut by narrow (1-5mm) epidote veins and veinlets, and cut by occasional narrow quartz-carbonate veinlets. The larger epidote veins (>5cm) often have weak K-feldspar alteration associated with them.</p> <p>Mineralization is dominantly fine grained disseminated pyrite with narrow (1-2mm) pyrite veinlets.</p> <p><<Min: 31.4 - 104.9: 2% pyrite / 2% pyrite>></p> <p><<Alt: 31.4 - 104.9: weak (1-3%) Quartz / weak (1-3%) Pyrite / trace (trace to 1%) Chlorite >></p> <p><<Vein: 31.4 - 104.9: 1% Pyrite / 2% Epidote / 1% Quartz>></p> <p><<Struc: 34.7 - 35: moderate (3-5%) Fault Zone 30 deg. >></p> <p><<Struc: 80.7 - 80.8: trace (trace to 1%) Fault Zone 80 deg. >> rusty oxidized fault zone.</p>											
			34.40	37.40	3.00	1626904	0.02	0.2	156.1	3.1	58
			37.40	40.40	3.00	1626905	0.026	0.2	229.9	4.6	44
			40.40	43.40	3.00	1626906	0.017	0.1	151.9	5.1	56
			43.40	46.40	3.00	1626907	0.013	0.1	182.8	4.8	61
			46.40	49.40	3.00	1626908	0.013	0.1	147.7	7	75
			49.40	52.40	3.00	1626909	0.011	0.1	82.7	4.3	59
			52.40	55.40	3.00	1626910	0.015	0.1	148.6	6.2	62
			55.40	58.40	3.00	1626911	0.023	0.1	258.5	9.7	65
			58.40	61.40	3.00	1626912	0.017	0.2	177.7	14.9	92
			61.40	64.40	3.00	1626913	0.012	0.2	193.6	4	73
			64.40	67.40	3.00	1626914	0.017	0.1	195.1	4.7	55
			67.40	70.40	3.00	1626915	0.02	0.2	141.7	7.5	79
			70.40	73.40	3.00	1626916	0.059	0.2	330.9	11.7	91
			73.40	76.40	3.00	1626917	0.026	0.2	146	18.2	107
			76.40	79.40	3.00	1626918	0.025	0.2	181.3	14.7	91



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
			79.40	82.40	3.00	1626919	0.062	0.2	160.4	8.5	71
			82.40	85.40	3.00	1626921	0.021	0.1	219	7.9	57
			85.40	88.40	3.00	1626922	0.017	0.1	107.8	6	36
			88.40	91.40	3.00	1626923	0.02	0.1	137.3	7.3	52
			91.40	94.40	3.00	1626924	0.014	0.1	142.4	8.3	52
			94.40	97.40	3.00	1626926	0.013	0.05	97.1	6.9	40
			97.40	100.40	3.00	1626927	0.011	0.1	24.7	10.8	45
			100.40	102.40	2.00	1626928	0.01	0.05	15.6	4.9	39
			102.40	104.90	2.50	1626929	0.008	0.05	47.2	5.6	38
			104.90	107.90	3.00	1626930	0.017	0.05	65	5.9	29

104.90 162.00 VC Volcaniclastics grey FG

104.9 - 162: Light to medium grey to greenish grey to weakly brownish grey, fine grained, weakly altered, intermediate volcaniclastic rocks including crystal-ash tuffs, and breccias. The dominant rock type is a fine grained, massive feldspar crystal-ash tuff with 0.1-1mm feldspar crystals in a very fine grained granular matrix. Ash tuffs altered between fine and very fine grained 'bed' and seem to grade between the two. Breccias range from <1cm wide breccia veins to 30cm wide breccia bodies, and range from 1-5cm, angular, jigsaw fit fragments in a clast supported breccia to 0.1-2cm rounded fragments in a matrix supported breccia. Breccia fragments are generally the same as the country rock around the breccias. The matrix is a very fine grained dark grey to black matrix.

Alteration is weak to locally moderate quartz-pyrite alteration. Several 1-5m zones of moderate patchy siliceous alteration with an increase in silica in the groundmass. Very weak K-feldspar alteration around some of the larger epidote veinlets.

Several 1-5m zones of hornfels alteration. Light brownish tinge to some of the volcanics could be secondary biotite hornfels.

Cut by rare, narrow (<1mm) pyrite veinlets, cut by abundant 1-10mm epidote veinlets, cut by abundant narrow 1-2mm quartz carbonate veinlets.

Mineralization is dominantly fine grained disseminated pyrite (locally up to 5%) with rare narrow pyrite veins and veinlets. Pyrite often occurs within the matrix of the breccias.

<<Min: 104.9 - 162: 5% pyrite / 1% pyrite>>

<<Alt: 104.9 - 162: moderate (3-5%) Quartz / weak (1-3%) Pyrite>>

<<Vein: 104.9 - 162: 1% Pyrite / 2% Epidote / 2% Quartz>>

<<Struc: 134.3 - 134.4: weak (1-3%) Veining - fracture fill 30 deg. >> quartz epidote vein

107.90	110.90	3.00	1626931	0.017	0.2	53.9	9.7	40
110.90	113.90	3.00	1626932	0.012	0.1	91.8	5.9	42
113.90	116.90	3.00	1626933	0.009	0.1	124.5	7.9	41
116.90	119.90	3.00	1626934	0.013	0.1	118.4	10.7	46



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
			119.90	122.90	3.00	1626935	0.025	0.2	249.1	6.9	44
			122.90	125.90	3.00	1626936	0.01	0.1	124.6	5.9	38
			125.90	128.90	3.00	1626937	0.013	0.1	185.3	9.2	51
			128.90	131.90	3.00	1626938	0.009	0.1	158.8	12.2	48
			131.90	134.90	3.00	1626939	0.016	0.2	207	11.9	59
			134.90	137.90	3.00	1626941	0.011	0.1	187.7	2.1	53
			137.90	140.90	3.00	1626942	0.01	0.1	236.2	2	57
			140.90	143.90	3.00	1626943	0.014	0.1	213.4	10.1	73
			143.90	146.90	3.00	1626944	0.017	0.2	204.2	8.2	81
			146.90	149.90	3.00	1626945	0.01	0.2	161	14.1	77
			149.90	152.90	3.00	1626946	0.014	0.1	124.2	8.3	82
			152.90	155.90	3.00	1626947	0.012	0.05	142.4	7.9	80
			155.90	158.90	3.00	1626948	0.014	0.1	178.8	11.8	62
			158.90	162.00	3.10	1626949	0.016	0.2	159.1	12.6	58
			162.00	165.00	3.00	1626951	0.014	0.1	69.7	11.2	61
			165.00	167.00	2.00	1626952	0.05	0.4	817	6.9	55
			167.00	168.30	1.30	1626953	0.021	0.3	514	19.6	46

162.00 168.30 VC Volcaniclastics grey FCG

162 - 168.3: Light grey and greenish grey, coarse, intermediate volcanic, heterolithic breccia. This breccia is matrix supported with abundant 0.5-10 cm rounded to subrounded clasts of siliceous volcanic ash tuff, and small dark grey clasts within a fine grained granular matrix

Alteration is weak to locally moderate quartz-pyrite alteration.

Cut by abundant narrow (1-2mm) quartz carbonate veinlets.

Mineralization is dominantly fine grained disseminated pyrite (locally up to 5%) with rare narrow pyrite veins and veinlets. Pyrite often occurs within the matrix of the breccia.

<<Min: 162 - 168.3: 4% pyrite / 2% pyrite>>

<<Alt: 162 - 168.3: weak (1-3%) Quartz / weak (1-3%) Pyrite>>

<<Vein: 162 - 168.3: 1% Pyrite / 1% Calcium carbonate/Carbonate / 1% Quartz>>



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
168.30	175.10	VC Volcaniclastics grey FG	168.30	171.30	3.00	1626954	0.012	0.1	107.2	17.6	67

168.3 - 175.1: Light grey, fine grained, intermediate crystal-ash tuff with narrow breccia zones. Breccia zones contain angular fragments of country rock in a dark grey, fine grained matrix.

Alteration is moderate, pervasive quartz pyrite alteration.

Cut by abundant narrow (1-2mm) quartz carbonate veinlets.

Mineralization is dominantly fine grained disseminated pyrite (locally up to 5%) with rare narrow pyrite veins and veinlets. Pyrite often occurs within the matrix of the breccia.

<<Min: 168.3 - 175.1: 4% pyrite / 1% pyrite>>

<<Alt: 168.3 - 175.1: weak (1-3%) Quartz / weak (1-3%) Pyrite>>

<<Vein: 168.3 - 175.1: 1% Pyrite / 1% Calcium carbonate/Carbonate / 1% Quartz>>

171.30	173.30	2.00	1626955	0.011	0.1	141.7	13.1	51
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173.30	175.10	1.80	1626956	0.012	0.1	173.3	8.3	66
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175.10 177.30 VC Volcaniclastics dark grey FG

175.1 - 177.3: Dark grey, very fine grained, mafic, biotite-pyrite-rich, volcanicalstic rock with minor relict 1-2cm fragments. Contacts are generally gradational so could be alteration product.

Alteration is weak pervasive, quartz-pyrite

Cut by abundant narrow pyrite veinlets.

Mineralization is dominantly fine grained disseminated to wispy pyrite (up to 10%) with narrow pyrite veinlets.

<<Min: 175.1 - 177.3: 10% pyrite / 2% pyrite>>

<<Alt: 175.1 - 177.3: trace (trace to 1%) Quartz / moderate (3-5%) Pyrite>>

<<Vein: 175.1 - 177.3: 3% Pyrite / 1% Calcium carbonate/Carbonate / 1% Quartz>>

175.10	177.30	2.20	1626957	0.012	0.2	197.7	9.8	71
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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
177.30	179.20	VC Volcaniclastics grey FG	177.30	179.20	1.90	1626958	0.012	0.1	134.8	6.3	67

177.3 - 179.2: Light grey, fine grained, intermediate crystal-ash tuff with narrow breccia zones. Breccia zones contain angular fragments of country rock in a dark grey, fine grained matrix. Rock mass is massive and homogenous where not brecciated.

Alteration is moderate, pervasive quartz pyrite alteration.

Cut by abundant narrow (1-2mm) quartz carbonate veinlets.

Mineralization is dominantly fine grained disseminated pyrite (locally up to 5%) with rare narrow pyrite veins and veinlets. Pyrite often occurs within the matrix of the breccia.

<<Min: 177.3 - 179.2: 5% pyrite / 1% pyrite>>

<<Alt: 177.3 - 179.2: weak (1-3%) Quartz / weak (1-3%) Pyrite>>

<<Vein: 177.3 - 179.2: 1% Pyrite / 1% Calcium carbonate/Carbonate / 1% Quartz>>

179.20	181.60	VC Volcaniclastics dark grey FG	179.20	181.60	2.40	1626959	0.011	0.1	175.8	6.9	66
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179.2 - 181.6: Dark grey, very fine grained, biotite-pyrite-rich, mafic volcanicalstic rock with minor relict 1-2cm fragments. Contacts are generally gradational so could be alteration product.

Alteration is weak pervasive, quartz-pyrite

Cut by abundant narrow pyrite veinlets.

Mineralization is dominantly fine grained disseminated to wispy pyrite (up to 10%) with narrow pyrite veinlets.

<<Min: 179.2 - 181.6: 10% pyrite / 2% pyrite>>

<<Alt: 179.2 - 181.6: trace (trace to 1%) Quartz / moderate (3-5%) Pyrite>>

<<Vein: 179.2 - 181.6: 3% Pyrite / 1% Calcium carbonate/Carbonate / 1% Quartz>>



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
181.60	209.30	VC Volcaniclastics light grey FG	181.60	184.60	3.00	1626961	0.025	0.2	358	27.1	73
<p>181.6 - 209.3: Light grey, fine grained, intermediate crystal-ash tuff with abundant breccia zones. Breccia zones contain angular fragments of country rock in a dark grey, fine grained matrix. Breccia zones range from 1cm wide veins of breccia material to 1m wide zones of brecciated material. Rock mass is massive and homogenous where not brecciated.</p> <p>Alteration is moderate, pervasive quartz pyrite alteration.</p> <p>Cut by abundant narrow (1-2mm) quartz carbonate veinlets. 201.9-202.1 large pyrite vein.</p> <p>Mineralization is dominantly fine grained disseminated pyrite (locally up to 5%) with rare narrow pyrite veins and veinlets. Pyrite often occurs within the matrix of the breccia.</p> <p><<Min: 181.6 - 209.3: 5% pyrite / 1% pyrite>></p> <p><<Alt: 181.6 - 209.3: weak (1-3%) Quartz / moderate (3-5%) Pyrite>></p> <p><<Vein: 181.6 - 209.3: 2% Pyrite / 1% Calcium carbonate/Carbonate / 1% Quartz>></p> <p><<Struc: 201.9 - 202.1: strong (5-10%) Veining - fracture fill 30 deg. >> pyrite vien.</p>											
			184.60	187.60	3.00	1626962	0.014	0.1	176.5	9.5	70
			187.60	190.60	3.00	1626963	0.016	0.1	221.3	4.1	76
			190.60	193.60	3.00	1626964	0.022	0.2	322.3	7	58
			193.60	196.60	3.00	1626965	0.018	0.2	203.6	9	103
			196.60	199.60	3.00	1626966	0.033	0.3	377.9	20.8	82
			199.60	202.60	3.00	1626967	0.01	0.2	33.8	10.2	40
			202.60	205.60	3.00	1626968	0.007	0.05	34.5	7.9	41
			205.60	207.60	2.00	1626969	0.0025	0.1	12.5	8.8	88
			207.60	209.30	1.70	1626970	0.005	0.1	12.8	16.3	63
			209.30	210.40	1.10	1626971	0.013	0.5	9.4	62.1	159
209.30	210.40	VC Volcaniclastics dark grey CG									
<p>209.3 - 210.4: Brecciated, shear zone with abundant pyrite. There is an increase in pyrite veinlets up to this shear zone as well. The shear is competed with good core recovery.</p> <p><<Min: 209.3 - 210.4: 30% pyrite / 10% pyrite>></p> <p><<Alt: 209.3 - 210.4: weak (1-3%) Quartz / strong (5-10%) Pyrite>></p> <p><<Vein: 209.3 - 210.4: 3% Pyrite>></p> <p><<Struc: 209.3 - 210.4: strong (5-10%) Sheared 30 deg. >></p>											



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
210.40	221.90	VC Volcaniclastics green-grey FG	210.40	213.40	3.00	1626972	0.0025	0.05	13.5	6.2	55
<p>210.4 - 221.9: Light to medium grey to greenish grey, moderately altered, fine grained intermediate volcaniclastic rocks. Dominantly fine ash tuff, and volcanic breccias. Two types of breccias are present. 1) Narrow (1-5cm) vein style breccias with small (<1cm) angular to sub rounded rounded clasts in a dark grey-black matrix (fault breccia), and 2) wider (1-2m) zones of clast supported breccia with 1-5cm rounded fragments (volcanic breccias and/or debris flows).</p> <p>Alteration is moderate pervasive quartz-sericite-pyrite with weak pervasive chlorite alteration.</p> <p>Cut by common narrow pyrite veinlets, and cut by common narrow quartz carbonate veinlets.</p> <p>Mineralization is fine grained disseminated pyrite, up to 10% within the breccias. Lower contact is structural.</p> <p><<Min: 210.4 - 221.9: 5% pyrite>></p> <p><<Alt: 210.4 - 221.9: weak (1-3%) Quartz / moderate (3-5%) Pyrite / trace (trace to 1%) Chlorite >></p> <p><<Vein: 210.4 - 221.9: 1% Pyrite / 1% Calcium carbonate/Carbonate>></p> <p><<Struc: 221.8 - 221.9: weak (1-3%) Fault Zone 30 deg. >></p>			213.40	216.40	3.00	1626973	0.02	0.05	43.7	9.1	40
			216.40	219.40	3.00	1626974	0.011	0.1	123.6	10.8	62
			219.40	221.90	2.50	1626976	0.018	0.05	60.2	7.3	79
221.90	228.00	RHYL Rhyolite pinkish grey FG	221.90	224.90	3.00	1626977	0.0025	0.1	5.2	9.7	10
<p>221.9 - 228: Light pinkish-grey, massive, spherulitic rhyolite. 0.5-1.0cm medium grey to light grey spherules in a very fine grained pinkish matrix.</p> <p>The rock is relatively unaltered with weak to very weak silicification.</p> <p>Cut by few narrow (>1mm) pink anhydrite veins near the bottom contact and cut by a few narrow quartz carbonate veins near the upper contact.</p> <p>Mineralization is disseminated to small blebs (up to 2mm) pyrite up to 5%.</p> <p><<Min: 221.9 - 228: 5% pyrite>></p> <p><<Alt: 221.9 - 228: trace (trace to 1%) Quartz / trace (trace to 1%) Pyrite>></p> <p><<Vein: 221.9 - 228: 1% Quartz / 1% Calcium carbonate/Carbonate>></p>			224.90	228.00	3.10	1626978	0.0025	0.05	5	3.6	6



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
228.00	231.20	MV Mafic Volcanics dark green FG 228 - 231.2: Dark green, fine grained, moderately altered, mafic volcanoclastic rocks and breccias. Sharp upper contact and brecciated lower contact. Rock mass is magnetic. Alteration is moderate pervasive, chlorite-pyrite alteration. Mineralization is dominantly fine grained disseminated pyrite. <<Min: 228 - 231.2: 10% pyrite>> <<Alt: 228 - 231.2: weak (1-3%) Chlorite >> <<Vein: 228 - 231.2: 1% Pyrite>>	228.00	231.20	3.20	1626979	0.01	0.05	66.5	4.1	79
231.20	265.40	VC Volcaniclastics green-grey FG 231.2 - 265.4: Light to medium grey to greenish grey, moderately altered, fine grained, intermediate volcanoclastic rocks. Dominantly fine ash tuff, and minor volcanic breccias. Minor structural breccias (i.e. veins) and minor stratigraphic breccias (ie. Debris flows) within massive ash tuffs horizons. Alteration is moderate pervasive quartz-pyrite with weak pervasive chlorite alteration. Silicification is locally more intense with weak breccia textures with is a siliceous matrix. Cut by common narrow pyrite veinlets, cut by narrow epidote veins and veinlets, cut by common narrow quartz-carbonate-pink anhydrite veinlets. Weak K-feldspar alteration associated with some of the larger epidote veins. Cut by abundant (up to 20%) narrow (1-2mm) carbonate-anhydrite veins and veinlets, and stockwork; vein density increases down hole to the fault contact. 165.0-165.4m - Fault zone Mineralization is fine grained disseminated pyrite, up to 10% within the breccias. Lower contact is structural. <<Min: 231.2 - 265.4: 5% pyrite / 2% pyrite>> <<Alt: 231.2 - 265.4: weak (1-3%) Quartz / weak (1-3%) Pyrite / trace (trace to 1%) Chlorite >> <<Vein: 231.2 - 265.4: 1% Pyrite / 1% Epidote / 1% Quartz / 1% Calcium carbonate/Carbonate / 1% Anhydrite-Gypsum>> <<Struc: 265 - 265.4: weak (1-3%) Fault Zone 45 deg. >>	231.20	234.20	3.00	1626981	0.014	0.1	50.4	9.1	55
			234.20	237.20	3.00	1626982	0.014	0.1	145.4	11.2	68
			237.20	240.20	3.00	1626983	0.015	0.1	255.6	13.6	100
			240.20	243.20	3.00	1626984	0.013	0.1	160.1	12	108
			243.20	246.20	3.00	1626985	0.016	0.2	257.9	14.8	117
			246.20	249.20	3.00	1626986	0.013	0.1	143.9	7.7	87
			249.20	252.20	3.00	1626987	0.014	0.1	227.7	5.4	86
			252.20	255.20	3.00	1626988	0.018	0.2	236.8	7.7	88



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
			255.20	258.20	3.00	1626989	0.023	0.2	161.8	8.8	63
			258.20	261.20	3.00	1626991	0.015	0.1	222.4	11.3	66
			261.20	263.20	2.00	1626992	0.01	0.1	254.3	8.4	75
			263.20	265.40	2.20	1626993	0.032	0.2	377.5	11.8	71
265.40	278.50	VC Volcaniclastics									
		green-grey FG									
<p>265.4 - 278.5: Medium grey to green-grey, moderately altered, fine grained, massive, intermediate volcaniclastic rocks. Dominantly fine grained ash tuff. Locally weakly brecciated with narrow wisps of black veins.</p> <p>Alteration is moderate pervasive, chlorite-pyrite alteration.</p> <p>Cut by occasional narrow epidote veins and veinlets, cut by abundant quartz-carbonate veinlets.</p> <p>Mineralization is dominantly fine grained disseminated pyrite.</p> <p><<Min: 265.4 - 278.5: 2% pyrite>></p> <p><<Alt: 265.4 - 278.5: weak (1-3%) Quartz / weak (1-3%) Pyrite>></p> <p><<Vein: 265.4 - 278.5: 2% Pyrite / 1% Epidote / 2% Quartz / 1% Calcium carbonate/Carbonate>></p>											
			268.40	271.40	3.00	1626995	0.011	0.05	162.8	5.5	73
			271.40	274.40	3.00	1626996	0.012	0.1	187	12.2	77
			274.40	276.40	2.00	1626997	0.016	0.1	184.2	9.2	99
			276.40	278.50	2.10	1626998	0.016	0.1	178.1	11	79
278.50	304.80	VC Volcaniclastics									
		green-grey FG									
<p>278.5 - 304.8: Medium grey to green-grey, moderately to locally strongly altered, fine grained, massive, intermediate volcaniclastic rocks and volcanic breccias. Dominantly fine grained ash tuff with minor volcanic breccias. Locally structural breccias with angular to subrounded clasts of country rock in a dark matrix.</p> <p>Alteration is moderate pervasive, quartz-pyrite alteration.</p> <p>Cut by occasional narrow epidote veins and veinlets, cut by abundant quartz-carbonate veinlets.</p> <p>Mineralization is dominantly fine grained disseminated pyrite up to 10% within the breccia matrix.</p> <p><<Min: 278.5 - 304.8: 10% pyrite>></p> <p><<Alt: 278.5 - 304.8: moderate (3-5%) Quartz / moderate (3-5%) Pyrite>></p> <p><<Vein: 278.5 - 304.8: 2% Pyrite / 2% Epidote / 2% Quartz / 2% Calcium carbonate/Carbonate>></p>											
			281.50	284.50	3.00	1627501	0.012	0.05	114.7	10.7	83
			284.50	287.50	3.00	1627502	0.015	0.1	140.4	10.7	74
			287.50	290.50	3.00	1627503	0.012	0.1	140.7	13.1	68
			290.50	293.50	3.00	1627504	0.016	0.1	181.9	6.6	89
			293.50	296.50	3.00	1627505	0.012	0.1	194.8	10.3	87



GeoSpark: Drill Hole Report

Hole: NR14-033

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
			296.50	299.50	3.00	1627506	0.014	0.2	146.3	10	69
			299.50	302.50	3.00	1627507	0.012	0.05	106.7	7.9	70
			302.50	304.80	2.30	1627508	0.015	0.1	179.1	4.1	67
304.80	326.20	FV Felsic Volcanics									
			304.80	307.80	3.00	1627509	0.014	0.1	147.6	6.3	72
			307.80	310.80	3.00	1627510	0.016	0.1	198.8	6.9	76
			310.80	313.80	3.00	1627511	0.013	0.2	200.5	7.9	77
			313.80	316.80	3.00	1627512	0.013	0.1	142.9	7.5	67
			316.80	319.80	3.00	1627513	0.023	0.1	186.3	10.6	76
			319.80	322.80	3.00	1627514	0.022	0.2	252.7	6.9	76
			322.80	324.80	2.00	1627515	0.029	0.3	205.6	25.2	109
			324.80	326.20	1.40	1627516	0.013	0.1	66.6	14.4	73
326.20	352.80	VC Volcaniclastics									
			326.20	329.20	3.00	1627517	0.01	0.2	92.2	7.6	84
			329.20	332.20	3.00	1627518	0.013	0.2	166.5	7	97
			332.20	335.20	3.00	1627519	0.009	0.3	187.9	15.5	153

304.8 - 326.2: Light grey, light brown, and beige, mottled, strongly altered, felsic volcanic flows and breccias. Cut by a few structural breccias with angular fragments in a black, pyrite rich matrix. Some possible flow top breccias, grading into heterolithic interflow breccias. Several zones of brownish biotite hornfels.

Alteration is strong pervasive and patchy, quartz-pyrite alteration. Alteration is texturally destructive.

Cut by abundant quartz-carbonate veinlets.

Mineralization is dominantly fine grained disseminated pyrite.

<<Min: 304.8 - 326.4: 2% pyrite>>

<<Alt: 304.8 - 326.2: strong (5-10%) Quartz / moderate (3-5%) Pyrite / weak (1-3%) Sericitic>>

<<Vein: 304.8 - 326.4: 1% Pyrite / 4% Quartz / 4% Calcium carbonate/Carbonate>>

326.2 - 352.8: Dark green to dark grey green, moderately altered, intermediate to mafic volcaniclastic rocks and flows. Very mottled textures with multiple flows with flow top breccias (maybe even pepperitic textures). Interflow breccia and minor interflow sediments. Abundant pyrite.

Alterations is moderate, pervasive quartz-pyrite with patchy chlorite alteration.

Mineralization is dominantly fine grained disseminated pyrite (up to 10%), with narrow pyrite veinlets.

Abundant fine grained, and very narrow veins of chalcopyrite between 347.9-348.2m.

<<Min: 326.4 - 352.8: 10% pyrite / 3% pyrite / 0.1% chalcopyrite>>

<<Alt: 326.2 - 352.8: moderate (3-5%) Quartz / moderate (3-5%) Pyrite>>



GeoSpark: Drill Hole Report

Hole: NR14-033

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<p><<Vein: 363 - 364.1: 5% Pyrite / 3% Quartz / 2% Calcium carbonate/Carbonate>> <<Struc: 363 - 364.1: strong (5-10%) Fault Zone 50 deg. >></p>											
364.10	396.80	VC Volcaniclastics green-grey FG	364.10	367.10	3.00	1627533	0.016	0.1	158.1	6.4	56
<p>364.1 - 396.8: Greenish grey, moderately altered, intermediate volcanoclastic rocks. Dominantly fine grained ash tuff. Some mottled textures maybe flows with mottled flow banding and brecciated flow tops.</p> <p>Alteration is moderate, pervasive quartz-pyrite-epidote alteration, with patchy epidote and weak K-feldspar alteration.</p> <p>Cut by abundant pyrite veins and veinlets, cut by abundant epidote veins and veinlets cut by abundant quartz-carbonate veinlets. .</p> <p>Mineralization is dominantly fine grained disseminated pyrite with abundant pyrite veinlets.</p> <p>NOTE: J. OLIVER BEGINS LOG AT 382.52</p> <p>Rock protolith is definitively of felsic origin. Small cuspsate to sub-angular fragments are locally identified. These tan to buff in color, have a quenched matrix and are very competent.</p>											
<p><<Min: 364.1 - 396.8: 5% pyrite / 2% pyrite / 0.01% chalcopyrite>> Pyrite occurs as minor disseminations and aggregates and is also located within small sub mm veinlets.</p>											
<p>Chalcopyrite occurs at trace levels only as very small disseminated grains.</p>											
<p><<Alt: 364.2 - 396.8: moderate (3-5%) Quartz / moderate (3-5%) Pyrite / weak (1-3%) Chlorite >> The interval contains sporadic to irregular washes of bright green epidote plus or minus minor pink potassic feldspars. Neither epidote or k-feldspar is in vein form, both are irregular matrix replacements and may be sometimes outlining fragments.</p>											
<p>Chlorite is noted as narrow rinds flanking pyrite aggregates. The color of this mineral is very dark green black suggesting a Mg rich chlorite.</p>											
<p><<Vein: 364.1 - 396.8: 5% Pyrite / 5% Epidote / 5% Quartz / 0.5% Calcite>> Youngest vein sets in this interval are minor mm scale calcite veins. These veins are devoid of sulphides.</p>											
<p>Epidote veins are also mm scale, have planar margins and carry sporadic pyrite grains.</p>											
<p><<Struc: 385.3 - 385.35: strong (5-10%) Veining - fracture fill 50 deg. >> Minor py-epidote vein flanked by narrow k-feldspar selvage.</p>											
<p><<Struc: 396.75 - 396.8: strong (5-10%) Contact 60 deg. >> The volcanic intrusive contact in this borehole is tight and exceptionally well presented at 055 to 060 degrees to CA.</p>											
<p><<Struc: 396.75 - 396.8: strong (5-10%) Contact 60 deg. >> The volcanic intrusive contact in this borehole is tight and exceptionally well presented at 055 to 060 degrees to CA.</p>											
367.10	370.10		367.10	370.10	3.00	1627534	0.012	0.2	117.1	8.2	58
370.10	373.10		370.10	373.10	3.00	1627535	0.016	0.2	231.6	12.1	76
373.10	376.10		373.10	376.10	3.00	1627536	0.013	0.2	247.2	8.2	80
376.10	379.10		376.10	379.10	3.00	1627537	0.009	0.1	138.1	6.2	59
379.10	382.10		379.10	382.10	3.00	1627538	0.011	0.1	146.8	4.8	48
382.10	385.10		382.10	385.10	3.00	1627539	0.016	0.1	191.3	6.4	403



GeoSpark: Drill Hole Report

Hole: NR14-033

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
			385.10	388.10	3.00	1627541	0.013	0.2	144.8	12.6	86
			388.10	391.10	3.00	1627542	0.025	0.4	544.2	11.7	105
			391.10	394.10	3.00	1627543	0.372	2.4	1861.4	9.1	181
			394.10	396.80	2.70	1627544	0.024	0.3	401.8	9.3	112
396.80	419.10	HMD Hornblende Phyric Monzodiorites									
		green-grey FMG	396.80	399.80	3.00	1627545	0.018	0.1	156.3	5.6	73

396.8 - 419.1: From the contact at 396.6 to EOH at 419.1 the borehole is cutting a single intrusive phase. This intrusion is characterized by:

1. The presence of 8 - 10% well formed 1.5 - 3.0 mm hornblende lathes which are embayed within a fine grained plagioclase phyric matrix.
2. Spordic, euhedral magnetite grains which are typically less than 1.0 mm. Magnetitic suseptibilities in this rock unit are, on average significantly higher than in the adjacent intrusive rock units. Average susceptibilities are estimated at 0.5 to 5.0 SI units.
3. The matrix of the intrusion consists of very small, <0.75 mm tightly interlocked plagioclase phenocrysts. These are partially sericitized on their margins.
4. Free quartz is never identified and xenoliths are absent.

<<Min: 396.8 - 419.1: 2% pyrite>> Pyrite is the sole sulphide phase. It occurs as fine grained disseminations as as lesser fracture fill throughout the sample matrix.

Pyrite may flank or line epidote +/- chlorite microveinlets.

			399.80	402.80	3.00	1627546	0.015	0.2	272.5	4.5	85
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GeoSpark: Drill Hole Report

Hole: NR14-033

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<<Alt: 396.8 - 419.1: weak (1-3%) Chlorite / moderate (3-5%) Epidote / moderate (3-5%) Sericitic / moderate (3-5%) Pyrite / weak (1-3%) Potassium feldspar>>		Rock alteration is characterized by:	402.80	405.80	3.00	1627547	0.01	0.1	126.6	3.5	100
<p>1. Early weak to moderate matrix sericite which has partially overprinted all plagioclase grains.</p> <p>2. Weak to moderate chlorite-epidote. Chlorite is partially replacing hornblende grains with epidote forming dominantly on joint surfaces.</p> <p>3. Disseminated pyrite occurs throughout the interval at modest levels.</p> <p>4. Secondary potassium feldspars are identified sporadically and are noted in diffuse bands at one short locale, 415.45 - 415.9, m where it may also be associated with minor rose colored gypsum.</p> <p>The dominant alteration assemblage is:</p> <p>Epidote-pyrite-chlorite</p>											
<<Vein: 396.8 - 419.1: 0.5% Epidote / 0.2% Gypsum / 0.5% Calcite>>		Both epidote and minor calcite veins are noted throughout this interval and are generally mm to sub-mm veinlets. Epidote veinlets may narrow pyritic halos.	405.80	408.80	3.00	1627548	0.01	0.2	172.6	5.3	79
Gypsum veinlets are forming irregular mesh breccia veins developed proximal to zones of slightly higher secondary k-feldspar.											
<<Struc: 408.5 - 411.75: moderate (3-5%) Fault Zone 50 deg. >>		A minor structural zone defined by blocky broken core and minor chlorite - clay shear fabrics.	408.80	411.80	3.00	1627549	0.023	0.7	452.7	7	172
<<Struc: 415.45 - 415.9: moderate (3-5%) Veining - fracture fill 50 deg. >>		The interval defines the locus and orientation of a minor gypsum and weak k-feldspar band. Net sulphide content within this interval remains low.	411.80	414.80	3.00	1627551	0.009	0.2	142.9	7.8	127
			414.80	417.80	3.00	1627552	0.007	0.1	107.2	9.9	105
			417.80	419.10	1.30	1627553	0.009	0.1	123.2	6.5	97

End of Hole @ 419.1



GeoSpark: Drill Hole Report

Project: NROK

Hole: NR14-034

Prospect:	Mabon	Survey Type:	GPS	Logged By:	J.Oliver	Steel Lost In Hole:	<input type="checkbox"/>
Prop. Grid:	NAD83_Z9	Survey By:	J.Oliver	Date Started:	05/06/2014	Depth Steel Lost:	
Prop. East:	443888	Azimuth:	32	Date Completed:	12/06/2014	Steel Lost Inventory:	
Prop. North:	6408369	Dip:	-45	Drill Company:	Black Hawk	Hole Cemented:	<input type="checkbox"/>
Prop. Elevation (m):	978	Length (m):	602.59	Drill Rig:	Rig2	Bags of Cement:	
Final UTM Grid	NAD83_Z9	Hole Type:	DD	Drill Started:	03/06/2014	Artesian Hole:	<input type="checkbox"/>
UTM East:	443872	Hole Diameter:	4 3/4	Drill Completed	12/06/2014	Artesian Flow Comments:	Holes makes water during drilling but at the conclusion of drilling has ceased making water.
UTM North:	6408366	Core Size:	NQ	Reduced Depth:			
UTM Elevation (m):	989	Casing Pulled?:	<input type="checkbox"/>	Reduced Size:			
Casing Depth (m):			19.45				

Comments:
Shift to A5 Skid Rig

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
35.67	ReflexEZD		04/06/2014	-45.3	8.5	21.5	30	5550	<input checked="" type="checkbox"/>	
87.5	ReflexEZD		04/06/2014	-45.1	8.8	21.5	30.3	5455	<input checked="" type="checkbox"/>	
139.33	ReflexEZD		04/06/2014	-45.6	9.3	21.5	30.8	5643	<input checked="" type="checkbox"/>	
188.11	ReflexEZD		04/06/2014	-45.8	11.9	21.5	33.4	5616	<input checked="" type="checkbox"/>	
239.94	ReflexEZD		04/06/2014	-45.8	17.2	21.5	38.7	5592	<input checked="" type="checkbox"/>	



GeoSpark: Drill Hole Report

Hole: NR14-034

Depth (m)	Survey Method	Survey By	Date Surveyed	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Mag. Field	Accept Values?	Comments
300.92	ReflexEZD		04/06/2014	-45.3	12.8	21.5	34.3	5728	<input checked="" type="checkbox"/>	
349.7	ReflexEZD		04/06/2014	-43.7	17	21.5	38.5	5602	<input checked="" type="checkbox"/>	
401.52	ReflexEZD		04/06/2014	-43.1	15.4	21.5	36.9	5643	<input checked="" type="checkbox"/>	
456.4	ReflexEZD		04/06/2014	-39.2	19.4	21.5	40.9	5658	<input checked="" type="checkbox"/>	
508.23	ReflexEZD		04/06/2014	-37.3	13.3	21.5	34.8	6482	<input type="checkbox"/>	Note the very marked jump in mag field from about 5500 nT to 6482 nT. This corresponds with a counterclockwise rotation or shift in the azimuth of approximately 6 degrees. This should be considered questionable and may be an artifact. J. Oliver.
569.2	ReflexEZD		04/06/2014	-34.2	22	21.5	43.5	5703	<input checked="" type="checkbox"/>	
602.59	ReflexEZD		04/06/2014	-32.2	23.3	21.5	44.8	5678	<input checked="" type="checkbox"/>	



GeoSpark: Drill Hole Report

Hole: NR14-034

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm	
0.00	19.45	CAS Casing										
<p>0 - 19.45: Driller sets casing to 57 feet. Drills ahead 10 feet and then further advances casing to either 67 or 70 feet. Onset of bedrock at 19.45 m, equals onset of sampling.</p>												
19.45	217.70	MNZD Monzodiorite										
		light green-grey	FG	19.45	22.50	3.05	1627554	0.008	0.05	199.1	1.4	86
<p>19.45 - 217.7: The intrusion in this interval is a classic North Rok "productive phase" monzodiorite. It consists of:</p> <ol style="list-style-type: none"> 5-10% highly overprinted fine grained mafic mineral phases, likely hornblende. The coarser grained hornblende phenocrysts embayed within a quenched fine grained matrix eg. DDH NR 14 - 33, are absent. A felted crowded matrix consisting of at least 70% sub-mm interlocked plagioclase grains. Most of these grains may have slightly zoned rims to margins. These subtle changes are best identified in slightly bleached grains. Average grain size is in the range 0.75 - 1.0 mm. No free quartz. Abundant euhedral magnetite grains. Primary magnetite grains are typically less than 0.75 mm in width. Spinel exsolution textures are clearly noted. Matrix k-feldspar is commonly identified. This mineral may sometimes be noted as a pale wash throughout the matrix. Within this very weakly altered interval it is likely that: <ol style="list-style-type: none"> k-feldspar in halos to epidote veins and bands is secondary as are discrete planar k-feldspar washes. K-feldspar as very fine grained matrix aggregates may be primary. <p>No magmatic hydrothermal breccias are identified. Xenoliths may be identified but only as rare, 1 - 2 cm rounded to sub-rounded fragments. Xenolithic fragments on average are slightly darker grey and may have higher primary oxide contents.</p> <p><<Min: 19.45 - 53.2: 1.25% pyrite>> Pyrite is the sole recognizable sulphide phase. It occurs dominantly as hairline fracture sets and surfaces.</p> <p>Chalcopyrite is never recognized.</p> <p>Note: All magnetite in this interval is primary in origin.</p> <p><<Min: 53.2 - 76.92: 1.5% pyrite>> No other sulphide phase are recognized. Pyrite is identified as uniform disseminations and as minor, sub mm microveinlets.</p>												
				22.50	25.50	3.00	1627555	0.019	0.05	164.1	1.4	83
				25.50	28.50	3.00	1627556	0.012	0.05	88.4	1.6	72



GeoSpark: Drill Hole Report

Hole: NR14-034

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<p><<Min: 76.92 - 120.9: 1.5% pyrite / 0.025% chalcopyrite>> Disseminated pyrite, typically at less than 2% levels, is the dominant macroscopic sulphide phase identified within this interval.</p> <p>Chalcopyrite is identified only at trace levels, most commonly in association with narrow mm to sub-mm black chlorite veins.</p>			28.50	31.50	3.00	1627557	0.013	0.1	167.2	3.2	84
<p><<Min: 120.9 - 140: 2% pyrite / 0.075% chalcopyrite>> The largest increase in sulphide content is related to increase in pyrite levels which are common to small veins and veinlets.</p> <p>Chalcopyrite is locally identified within the pyritic selvages to jet black chlorite veins and occasionally as minor disseminations within the matrix of k-feldspar latered zones.</p>			31.50	34.50	3.00	1627558	0.024	0.1	219.9	4.3	85
<p><<Min: 140 - 193.4: 1% pyrite / 1% pyrite / 0.025% chalcopyrite>> In this interval pyrite occurs as both narrow sub mm scale veinlets, < 0.5 mm, and as uniform matrix disseminations.</p> <p>Chalcopyrite is noted at trace levels most often within small early k-feldspar veinlets.</p>			34.50	37.50	3.00	1627559	0.021	0.1	223.4	4.3	72
<p><<Min: 193.4 - 217.7: 2.25% pyrite / 0.025% chalcopyrite>> This structural zone is effectively not mineralized. Overall pyrite contents may be slightly increased as both fine grained disseminations and streaked deformed aggregates.</p> <p>Chalcopyrite is noted at trace levels as minor disseminations.</p>			37.50	40.50	3.00	1627561	0.022	0.05	193.5	2.3	80
<p><<Alt: 19.45 - 53.2: weak (1-3%) Epidote-Carbonate / moderate (3-5%) Potassium feldspar>> The intrusion has been weakly altered by minor epidote - calcite stockwork veinlets and by sporadic epidote disseminations.</p> <p>Secondary k-feldspar occurs as partially developed matrix replacements and as diffuse irregular border veins and veinlets. These have no specific association with copper bearing phases.</p> <p>In terms of alteration assemblages this interval is e3k3.</p>			40.50	43.50	3.00	1627562	0.016	0.05	192.2	3.1	65
<p><<Alt: 53.2 - 76.92: strong (5-10%) Chlorite / weak (1-3%) Potassic / moderate (3-5%) Sericitic / weak (1-3%) Epidote-Carbonate / weak (1-3%) Calcite>> The alteration interval is characterized by the marked onset of black chlorite veins and breccia forms. These breccias appear to be post dating and overprinting early k-feldspar alteration.</p> <p>The rock matrix is commonly light apple green in color and it is likely that most of the plagioclase grains have been extensively overprinted by sericite.</p> <p>Persistent epidote veins plus or minus k-feldspar halos are identified throughout the interval. Paragenetic relationships between this vein type and chlorite veins are indeterminate.</p>			43.50	46.50	3.00	1627563	0.016	0.1	196.7	4.4	67



GeoSpark: Drill Hole Report

Hole: NR14-034

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<p><<Alt: 76.92 - 120.9: moderate (3-5%) Epidote / moderate (3-5%) Potassic / weak (1-3%) Albitisation >> Relative to the preceeding interval chlorite veinlets have abruptly subsided. Rock alteraton patterns are now effectively equivalent to those encountered from the 19.45 to 53.2 m.</p> <p>Small hairline fractures and stringes of epidote occur throughout the interval. Most of this alteration from is intimately associatated with the development of weak secondary k-feldspar.</p> <p>Locally plagioclase grains are highlighted and are bleached or whitened. This may reflect minor secondary albite as a selvedge to weak epidote - k-feldspar veins.</p> <p>Alteration assemblage: e3k3.</p>			46.50	49.50	3.00	1627564	0.012	0.05	194.8	3.7	69
<p><<Alt: 120.9 - 140: moderate (3-5%) Potassic / moderate (3-5%) Chlorite / moderate (3-5%) Epidote-Carbonate>> Overall alteration levels within this interval are slightly enhanced. Intensified rock alteration is accompanied by an increase in planar epidote - k-feldspar veins and banded diffuse replacement zones.</p> <p>The return of black chlorite bands and laminations is the hallmark characteristic of this interval.</p> <p>Net alteration levels gradually decrease over the last 2 - 3 m on the FW side of this contact.</p>			49.50	52.50	3.00	1627565	0.013	0.05	145.9	3.3	60
<p><<Alt: 140 - 193.4: moderate (3-5%) Epidote-Carbonate / moderate (3-5%) Potassium feldspar / weak (1-3%) Calcite / weak (1-3%) Chlorite >> The dominant vein set or style within this interval are diffuse epidote - calcite veins and lesser mesh textured extensional vein.</p> <p>Pale pinkish grey weak potassic baads are also noted. These veins, along with epidote aggregates are associated with enhanced pyrite levels.</p> <p>Late calcite, plus or minus, rose gypsum lines numerous joint sets. These have no sulphide association.</p>			52.50	55.50	3.00	1627566	0.011	0.05	100.6	4.7	54
<p><<Alt: 193.4 - 217.7: moderate (3-5%) Epidote-Carbonate / moderate (3-5%) Potassium feldspar / weak (1-3%) Quartz / moderate (3-5%) Clay / moderate (3-5%) Calcite>> Clay-calcite-anhydrite alteration assemblages in this interval have overprinted early potassic and epidote enhanced alteration zones.</p> <p>Associated with potassic epidote bands and patches are minor, cm scale grey quartz veinlets.</p> <p>Clay-calcite-annhyrite is most commonly noted in sub mm microfractures.</p>			55.50	58.50	3.00	1627567	0.027	0.05	188.4	5.3	59
<p><<Vein: 19.45 - 53.2: 4% Epidote / 3% Potassium feldspar (Kspar)>> The interval contains two vein types:</p> <ol style="list-style-type: none"> 1. Sub-planar sheeted veins of epidote plus or minus calcite. These are most typically 0.25 to 5 cm wide veins and veinlets, often with diffuse contacts. 2. Diffuse margined, sheeted k-spar plus or minus epidote veinlets. 			58.50	61.50	3.00	1627568	0.034	0.05	157.8	3	56

Hole: NR14-034

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
		<<Vein: 53.2 - 76.9: 3% Chlorite-Sulphides / 2% Epidote / 1% Calcite>> Chlorite veins are the dominant feature of this interval. These dark green-black chlorite dominant veinlets may have slightly pale or bleached selvages. Fine grained pyrite, locally as discordant microveinlets to the larger chlorite veinlets may be recognized. Epidote veinlets, often with a weak k-feldspar halo continue into this interval. Calcite veinlets, with no sulphide association, are noted within this interval. These are late extensional veinlets.	61.50	64.50	3.00	1627569	0.021	0.05	162.9	3.2	60
		<<Vein: 76.92 - 120.9: 3% Epidote / 2% Potassium feldspar (Kspar) / 0.25% Chlorite>> Weak epidote - kfeldspar veins are the principle vein assemblage in this interval. Neither epidote - k-feldspar veins has an association with any sulphide phase other than pyrite. Rare black chlorite, mm scale veins do have an association with chalcopyrite in trace levels. Black chlorite-pyrite +/- chalcopyrite veins pre-date and are cut by epidote - kfeldspar veins.	64.50	67.50	3.00	1627570	0.029	0.1	165.9	5.4	59
		<<Vein: 120.9 - 140: 5.5% Potassium feldspar (Kspar) / 5% Chlorite / 3% Epidote / 2% Calcite / 3% Quartz>> The overall level of bleaching within this interval is associated with: 1. An increase in diffuse margined k-felspar plus or minus epidote veins. 2. An increase in grey silica veins. 3. Sporadic increases in pink gypsum plus or minus calcite. 4. Irregular mm scale black chlorite veinlets.	67.50	70.50	3.00	1627571	0.014	0.05	149.2	3.6	51
		Quartz veins post date epidote-keldspar. <<Vein: 140 - 193.4: 5% Epidote / 2% Anhydrite-Gypsum / 4% Potassium feldspar (Kspar) / 2% Quartz>> Within this interval levels of epidote and k-feldspar veins return to near "normal" levels. The interval is defined largely by the absense of black hydrothermal chlorite veinlets. Grey quartz veinlets, sometimes with weak clay selveges and moderately elevated pyrite contents are noted across this interval. Rose pink-gypsum anhydrite veinlets are clearly noted within this interval. These commonly line fractures and joint sets and are discordant to all other vein forms.	70.50	73.50	3.00	1627572	0.036	0.2	232.7	7	50
		<<Vein: 193.4 - 217.7: 2% Anhydrite-Gypsum / 3% Epidote / 3% Potassium feldspar (Kspar) / 1% Quartz>> Most o the early stage veins in this interval, epidote - kfeldspar - quartz have been moderately to strongly ovprinted by clay-anhydrite microfractures. The number of planar veins within this interval is limited.	73.50	76.50	3.00	1627573	0.024	0.1	91.3	8	40
		<<Struc: 25.5 - 26.5: moderate (3-5%) Fault gouge 60 deg. >> Minor blocky core zone. Multiple fracture oreintations across epidote lined joint sets.	76.50	79.50	3.00	1627574	0.034	0.1	231.9	4.4	53
		<<Struc: 29.6 - 29.65: strong (5-10%) Veining - fracture fill 60 deg. >> Snall hairline to coalescing epidote veinlets.	79.50	82.50	3.00	1627576	0.017	0.1	234	3.6	54

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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<<Struc: 38.75 - 38.8:		strong (5-10%) Veining - fracture fill 70 deg. >> Orientation of mm scale epidote veinlets.	82.50	85.50	3.00	1627577	0.02	0.05	176.7	3.1	44
<<Struc: 43.5 - 43.55:		intense (>10%) Veining - fracture fill 60 deg. >> Orientation of a minor epidote-calcite veinlet with a weak k-feldspar selvage. Overall width, 2 - 3 cm.	85.50	88.50	3.00	1627578	0.027	0.05	153.1	6.6	45
<<Struc: 53 - 53.05:		strong (5-10%) Veining - fracture fill 55 deg. >> Minor epidote breccia vein. No significant sulphide association.	88.50	91.50	3.00	1627579	0.033	0.05	244.2	4.3	49
<<Struc: 56 - 56:		intense (>10%) Brecciated 50 deg. >> Orientation of a small primary intrusive breccia or alternatively late chlorite matrix breccia.	91.50	94.50	3.00	1627581	0.035	0.2	213.6	7.1	50
<<Struc: 64.4 - 64.45:		intense (>10%) Veining - fracture fill 40 deg. >> Well developed chlorite plus or minus pyrite vein and fracture fill. Appears to post date the development of early matrix k-feldspar.	94.50	97.50	3.00	1627582	0.021	0.05	119.8	4.4	49
<<Struc: 75.5 - 75.6:		intense (>10%) Veining - fracture fill 52 deg. >> Exceptionally well developed black chlorite - pyrite veins. These are cm scale, 5 - 10 cm, sheeted chlorite pyrite veins which have no other sulphide phases associated with them.	97.50	100.50	3.00	1627583	0.033	0.2	271.1	8	54
<<Struc: 82 - 82.05:		intense (>10%) Veining - fracture fill 65 deg. >> A well developed potassic, weak matrix k-feldspar vein with a distinctive chlorite-epidote selvage. No sulphide phase association.	100.50	103.50	3.00	1627584	0.026	0.05	157.1	5.3	49
<<Struc: 87 - 87.05:		intense (>10%) Veining - fracture fill 24 deg. >> A narrow 5 mm wide chlorite - pyrite veinlet.	103.50	106.50	3.00	1627585	0.017	0.05	177.2	4.4	54
<<Struc: 91.6 - 91.65:		intense (>10%) Veining - fracture fill 40 deg. >> Narrow black chlorite veins are enveloped by a broader envelop of weak to diffuse secondary k-feldspar, pyrite and rare to trace chalcopyrite grains.	106.50	109.50	3.00	1627586	0.014	0.05	124.9	5.6	45
<<Struc: 99.6 - 99.65:		intense (>10%) Veining - fracture fill 45 deg. >> The central pyritic core of a strong epidote - k-feldspar veinlet.	109.50	112.50	3.00	1627587	0.016	0.05	77.9	5.1	43
<<Struc: 107.8 - 107.85:		intense (>10%) Veining - fracture fill 65 deg. >> Well formed 3 - 5 cm zoned epidote k-feldspar band.	112.50	115.50	3.00	1627588	0.017	0.05	85.8	4.8	36
<<Struc: 115.4 - 120.4:		strong (5-10%) Fault Zone 35 deg. >> This 5 m wide zone is a blocky failure zone. Failures are occurring across intersection joint planes which are commonly lined by chlorite - pyrite. No chalcopyrite is identified within this brittle failure zone.	115.50	118.50	3.00	1627589	0.023	0.05	155.6	4.5	41
<<Struc: 124.15 - 124.2:		intense (>10%) Veining - fracture fill 32 deg. >> The orientation of a central pyritic veinlet approximately 4 cm wide which is flanked by a 50 to 75 cm bleached alteration selvage.	118.50	121.50	3.00	1627591	0.026	0.05	205.8	4.4	38
<<Struc: 131.7 - 131.75:		intense (>10%) Veining - fracture fill 20 deg. >> Well defined planar grey silica vein flanked by elevated pyrite and bleaching over a 50 cm interval on the HW and FW contacts.	121.50	124.50	3.00	1627592	0.027	0.05	128.4	6.7	37
<<Struc: 142.1 - 142.15:		strong (5-10%) Veining - fracture fill 50 deg. >> A minor chlorite - epidote veinlet.	124.50	127.50	3.00	1627593	0.019	0.05	123.7	8	44
<<Struc: 151.5 - 151.55:		intense (>10%) Veining - fracture fill 30 deg. >> A narrow mm scale pyritic veinlet. This is the dominant vein orientation in this interval.	127.50	130.50	3.00	1627594	0.026	0.05	219.9	4.5	38
<<Struc: 160.1 - 160.15:		intense (>10%) Veining - fracture fill 42 deg. >> Slightly enhanced grey potassic bands and laminations, locally containing fine grained grey silica veins.	130.50	133.50	3.00	1627595	0.021	0.05	148.4	4.5	44



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<<Struc: 169 - 169.7: intense (>10%) Fault Zone 20 deg. >>		Well defined clay rich structural zone, which is enveloped by blocky broken ground.	133.50	136.50	3.00	1627596	0.03	0.1	214.6	4.7	64
<<Struc: 170.35 - 170.45: intense (>10%) Veining - fracture fill 35 deg. >>		Orientation of quartz chlorite shear veins with a 30 cm FW and HW envelope.	136.50	139.50	3.00	1627597	0.021	0.1	166.3	6.1	66
<<Struc: 177.7 - 177.75: intense (>10%) Veining - fracture fill 30 deg. >>		Vuggy epidote veinlets rimmed by minor chlorite calcite.	139.50	142.50	3.00	1627598	0.025	0.1	184.5	8.7	57
<<Struc: 185.7 - 185.75: intense (>10%) Sheared 35 deg. >>		Minor clay rich shear zone. Total zone length less than 20 cm	142.50	145.50	3.00	1627599	0.019	0.05	130.4	4.4	54
<<Struc: 193.9 - 194: strong (5-10%) Sheared 35 deg. >>		Shear orientation at the onset of a significant zone of greatly increased gypsum calcite microfractures.	145.50	148.50	3.00	1627601	0.015	0.05	169	7	56
<<Struc: 194 - 217.7: intense (>10%) Fault Zone 37 deg. >>		The interval defines a broad structural zone which is characterized by an abundance of very narrow hairline microfractures which are commonly clay-anhydrite plus or minus gypsum lined. In most case the core may be broken by hand.	148.50	151.50	3.00	1627602	0.014	0.05	75.5	2.8	53
Failures are occurring across a fine grained mesh textured network of intersection irregular microfractures.											
Discrete failure or planar gouge surfaces within this fracture zone are rare. Although some internal breccia zones are developed.											
Last movements within this deformation zone post-date the formation of pyrite which is exceptionally fine grained, streaked and elongate.											
			151.50	154.50	3.00	1627603	0.016	0.1	329.2	7.8	55
			154.50	157.50	3.00	1627604	0.011	0.1	246	12.7	42
			157.50	160.50	3.00	1627605	0.013	0.1	298.7	6.7	40
			160.50	163.50	3.00	1627606	0.009	0.05	34	2.2	44
			163.50	166.50	3.00	1627607	0.013	0.05	88.8	5.8	67
			166.50	169.50	3.00	1627608	0.008	0.05	68.9	4.4	60
			169.50	172.50	3.00	1627609	0.011	0.2	190.8	4.9	75
			172.50	175.50	3.00	1627610	0.011	0.1	173	4.4	55
			175.50	178.50	3.00	1627611	0.009	0.05	109.2	3.8	55
			178.50	181.50	3.00	1627612	0.013	0.05	121.1	3.1	74
			181.50	184.50	3.00	1627613	0.017	0.05	108.5	4.6	61
			184.50	187.50	3.00	1627614	0.013	0.05	123.2	3.8	75



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
			187.50	190.50	3.00	1627615	0.042	0.1	127.3	6.8	93
			190.50	193.50	3.00	1627616	0.025	0.2	216.1	13.5	107
			193.50	196.50	3.00	1627617	0.019	0.2	282.2	7	87
			196.50	199.50	3.00	1627618	0.018	0.1	219	4.1	89
			199.50	202.50	3.00	1627619	0.011	0.05	105.1	2.5	92
			202.50	205.50	3.00	1627621	0.014	0.05	66	2.2	89
			205.50	208.50	3.00	1627622	0.005	0.05	32.1	1.6	103
			208.50	211.50	3.00	1627623	0.007	0.05	82.6	1.6	89
			211.50	214.50	3.00	1627624	0.03	0.2	402.2	5.8	94
			214.50	217.50	3.00	1627626	0.011	0.05	103.4	1.6	67
			217.50	220.50	3.00	1627627	0.011	0.05	109.6	1.5	66
217.70	273.45	MNZD Monzodiorite									
		dark green				VFG					
<p>217.7 - 273.45: The intrusive unit cored in this interval differs from the intrusion at the collar principally in:</p> <ol style="list-style-type: none"> 1. The overall matrix has darkened with a color shift to green black. 2. The overall matrix has likely decreased in grain size, to < 0.5 mm. 3. The net percentage of plagioclase phenocrysts may have decreased to about 50% with an overall higher percentage of quenched matrix. <p><<Min: 217.7 - 252.45: 2.25% pyrite / 0.1% chalcopyrite>> Although chalcopyrite levels have slightly increased in this interval they remain low and rarely exceed 0.1%.</p> <p>Pyrite levels do not significant change from the preceeding interval and remain relatively constant at 2 - 2.5% largely as fine grained disseminations.</p> <p><<Min: 252.45 - 273.45: 2.5% pyrite / 0.1% chalcopyrite>> Pyrite occurs as small uniform disseminations and aggregates. It is also identified within uniform sub mm vein sets.</p> <p>Chalcopyrite is documented at low, 0.1% levels or less, values. Most of these grains are less than 100 microns.</p>											
			223.50	226.50	3.00	1627629	0.018	0.1	191.5	2.9	95
			226.50	229.50	3.00	1627630	0.021	0.05	181.9	2.2	68



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<p><<Alt: 217.7 - 252.45: moderate (3-5%) Potassic / weak (1-3%) Epidote / moderate (3-5%) Quartz / weak (1-3%) Calcite>> The dominant alteration assemblage in this interval is early matrix plus or minus banded potassium feldspar and significantly weaker discordant epidote veinlets.</p> <p>The core has a polished appearance and it is likely that the matrix may have elevated quartz contents.</p> <p>Late calcite plus or minus anhydrite veins are also noted in this interval.</p>			229.50	232.50	3.00	1627631	0.013	0.05	179.2	1.2	78
<p><<Alt: 252.45 - 273.45: moderate (3-5%) Epidote / strong (5-10%) Potassic / weak (1-3%) Magnetite / weak (1-3%) Calcite>> There has been a shift to the development of enhanced potassic bands plus or minus enhanced epidote veins within this interval.</p> <p>Secondary potassium rich bands may exceed 1.0 m in width the bands have only a weak association with disseminated chalcopyrite grains.</p> <p>Epidote - calcite veins are discordant to early formed potassic bands. Epidote may have an association with pyrite but not chalcopyrite.</p> <p>The interval documents the first appearance of distinctive secondary magnetite. This oxide phase is now identified both as euhedral magnetite grains (primary) and as small sub mm magnetite veinlets. These may have an association with chalcopyrite.</p>			232.50	235.50	3.00	1627632	0.014	0.1	158	2.5	85
<p><<Vein: 217.7 - 252.45: 2% Epidote / 0.5% Anhydrite-Gypsum / 0.5% Quartz>> Veins hosted epidote are the dominant vein set in this interval. These are typically sheeted to locally mesh textured low sulphide veinlets.</p> <p>Quartz veins are narrow, cm scale, planar veins a few 10's of cm in width. They may be associated with elevated pyrite plus or minus chalcopyrite levels.</p>			235.50	238.50	3.00	1627633	0.038	0.2	257.1	3.6	68
<p><<Vein: 252.45 - 273.45: 3% Epidote / 0.25% Anhydrite-Gypsum / 5% Potassium feldspar (Kspar) / 0.25% Magnetite>> K-feldspar appears as massive replacement style veins or alteration fronts.</p> <p>Epidote forms true veins and hairline fractures which are trending discordant to mineralized zones. These veins post-date early k-feldspar.</p> <p>Magnetite veins are typically very small, 0.25 mm veins, with non-planar contacts. These veins are oxide only and are not associated with any other gangue mineral phase.</p> <p>Late calcite - anhydrite veinlets occur as a series of late microfractures.</p>			238.50	241.50	3.00	1627634	0.068	0.2	291	2.8	100
<p><<Struc: 225.6 - 225.7: intense (>10%) Fault gouge 30 deg. >> A planar well formed clay rich shear zone. No significant discordant veins are associated with this zone.</p>			241.50	244.50	3.00	1627635	0.04	0.5	443.6	23.5	141
<p><<Struc: 234.8 - 236.5: strong (5-10%) Veining - fracture fill 12 deg. >> A minor late calcite - anhydrite fracture zone.</p>			244.50	247.50	3.00	1627636	0.029	0.2	177.3	6.4	101



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<<Struc: 239.9 - 242.8: strong (5-10%) Fault Zone 35 deg. >>		Locally discrete clay shears which are enveloped by abundant clay lined joint sets.	247.50	250.50	3.00	1627637	0.041	0.2	296.9	7.4	111
<<Struc: 244.3 - 244.5: intense (>10%) Veining - fracture fill 38 deg. >>		A 20 cm banded quartz pyrite plus or minus trace chalcopyrite vein.	250.50	253.50	3.00	1627638	0.26	0.2	442.2	5.6	83
<<Struc: 252.4 - 252.45: intense (>10%) Sheared 30 deg. >>		This structure forms the FW contact to the immediately preceding alteration zone. The deformation zone at this contact extends for approximately 1.5 - 2.0 m into the HW, up hole, side of this contact.	253.50	256.50	3.00	1627639	0.141	0.5	681.3	18.5	64
<<Struc: 259.7 - 259.75: intense (>10%) Veining - fracture fill 40 deg. >>		The orientation of the FW contact of m scale bright salmon pink potassic alteration zones.	256.50	259.50	3.00	1627641	0.175	0.3	354.8	6.2	66
<<Struc: 271 - 271.2: intense (>10%) Veining - fracture fill 25 deg. >>		A late calcite - quartz veinlet with a 20 cm bleached halo.	259.50	262.50	3.00	1627642	0.357	0.4	628.3	11.5	123
			262.50	265.50	3.00	1627643	0.135	0.5	613.7	2.5	85
			265.50	268.50	3.00	1627644	0.097	0.2	319.2	2.2	99
			268.50	271.50	3.00	1627645	0.014	0.05	87.4	1.9	81
			271.50	274.50	3.00	1627646	0.012	0.05	76	2.2	77
			274.50	277.50	3.00	1627647	0.012	0.05	113.6	3	88

273.45 276.80 MNZD Monzodiorite dark grey FG

273.45 - 276.8: Very subtle changes in rock alteration, i.e. weakening and a decrease in grain size are suggestive of a minor dyke contact.

The intrusion lacks the well formed hornblende phenocrysts often associated with this intrusive phase.

The FW contact is slightly better than the HW contact but both are poorly defined.

There is a 50% chance that the "contact" is solely an artifact of variable alteration levels.

<<Min: 273.45 - 297.65: 2.25% pyrite / 0.1% chalcopyrite>> Pyrite is the dominant sulphide phase. It is the noted primarily as small microveinlets. Disseminated pyrite is rare.

Give the level magnetite, disseminated chalcopyrite is modest and is unlikely to exceed 0.1%.

<<Alt: 273.45 - 276.8: moderate (3-5%) Chlorite / weak (1-3%) Calcite>> The rock unit has modest alteration levels characterized largely by the development of matrix chlorite plus or minus chlorite - carbonate on fracture surfaces.

<<Vein: 273.45 - 276.8: 2% Epidote / 1% Calcite>> Epidote veinlets are typically anastomosing hairline fracture infill with no sulphide association. These veins are cut by small calcite - clay fractures fillings also with no sulphide association.



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
276.80	297.65	MNZD Monzodiorite dark grey FG	277.50	280.50	3.00	1627648	0.037	0.2	214.2	5	102
<p>276.8 - 297.65: The unit is again a fine grained monzodiorite. Very fine grained plagioclase phenocrysts are embayed in a fine grained dark green black matrix.</p> <p>Individual mafic minerals are no longer identified as these have been overprinted by secondary chlorite.</p> <p><<Alt: 276.8 - 297.65: moderate (3-5%) Magnetite / weak (1-3%) Potassic / weak (1-3%) Quartz / moderate (3-5%) Epidote / weak (1-3%) Calcite>> The dominant shift in rock alteration patterns in this interval is related to the onset of secondary magnetite largely constrained to the development of discreet vein forms.</p> <p>Quartz, plus or minus albite (?) often flanks magnetite veins.</p> <p>Irregular washes of K-feldsparr are also documented in this interval.</p> <p>Discordant, bright yellow green epidote veins cut all kfeldspar and magnetite veinlets.</p> <p>Late calcite veinlets are poorly developed.</p> <p><<Vein: 276.8 - 297.65: 4% Magnetite / 2% Epidote / 2% Potassium feldspar (Kspar)>> Strongest vein development is associated the onset of black magnetite veinlets. These veinlets may either be:</p> <ol style="list-style-type: none"> 1. Planar magnetite veins or. 2. Anastomosing, feather or irregual textured magnetite veinlets. <p>Epidote is most often noted as roughly sheeted veinlet usually with a common orientation to the core axis.</p> <p>Sub-planar k-feldspar veinlets with diffuse margins are identified throughout this interval. These veins pre-date epidote veinlets. Small chalocpyrite grains are sometimes noted.</p>											
			280.50	283.50	3.00	1627649	0.058	0.5	484.7	8.8	161
			283.50	286.50	3.00	1627651	0.127	1.6	1057.8	17.1	171
			286.50	289.50	3.00	1627652	0.059	0.8	806.1	7	103
			289.50	292.50	3.00	1627653	0.026	0.5	424.1	8.9	92
			292.50	295.50	3.00	1627654	0.021	0.2	207.2	5.9	101
			295.50	298.50	3.00	1627655	0.038	0.4	405.9	5.8	123



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
297.65	345.70	MNZD Monzodiorite 297.65 - 345.7: The broad interval is again a fine grained monzodiorite. The interval boundary is defined largely by the presence of a narrow intrusion breccia which is located between 297.65 and 298.5 m. Intrusion breccias contain sporadic darker grey fragments which are set off against a deep orange red potassically altered matrix. The bulk of the interval is composed of a dark grey fine grained monzodiorite. Very limited textural variation is noted within this interval. <<Min: 297.65 - 345.7: 2% pyrite / 0.075% chalcopyrite>> Pyrite occurs as mm scale net textured veinlets and as minor disseminations throughout this interval. Chalcopyrite is locally identified but most typically at less than 0.1% levels. It is likely that the entire interval will run less than 0.1% Cu. <<Alt: 297.65 - 345.7: moderate (3-5%) Epidote-Carbonate / weak (1-3%) Potassic / weak (1-3%) Calcite>> Within this interval rock alteration levels have decreased. The well developed magnetite veins and breccias noted in the previous interval are absent. With magnetite "out" the dominant alteration assemblage becomes: epidote (3) k-feldspar (3) Late calcite veins cut the earlier potassic assemblages. Elevated clay assemblages are associated with discrete structural zones within this interval. <<Vein: 297.65 - 345.7: 4% Epidote / 3% Potassium feldspar (Kspar)>> Epidote - carbonate forms the dominant vein form. These veins have abrupt boundaries unlike potassic veins which often have diffuse blurred boundaries. Minor late extensional carbonate rich extensional breccias are noted in this interval. <<Struc: 298.75 - 298.8: intense (>10%) Contact 60 deg. >> Probable orientation of the base of the intrusion breccia contact. <<Struc: 300.2 - 300.25: intense (>10%) Veining - fracture fill 40 deg. >> Banded silica-garnet-kfeldspar veins. Trace chalcopyrite. <<Struc: 305.1 - 305.15: intense (>10%) Veining - fracture fill 60 deg. >> The orientation of a small k-feldspar +/- chlorite veinlet. <<Struc: 310.8 - 313.3: strong (5-10%) Fault Zone 60 deg. >> Generally blocky core. An incipient failure zone, defined largely by significantly enhanced calcite +/- chlorite vein sets.	298.50	301.50	3.00	1627656	0.056	0.5	269.9	11.8	145
			301.50	304.50	3.00	1627657	0.051	0.3	465.2	7.4	102
			304.50	307.50	3.00	1627658	0.066	0.3	363.5	3.6	87
			307.50	310.50	3.00	1627659	0.024	0.2	203.4	3.3	91
			310.50	313.50	3.00	1627661	0.035	0.4	260.1	5.1	117
			313.50	316.50	3.00	1627662	0.047	0.2	194.1	4.5	112
			316.50	319.50	3.00	1627663	0.026	0.1	133.6	7.4	94
			319.50	322.50	3.00	1627664	0.041	0.4	242.2	16.8	147



GeoSpark: Drill Hole Report

Hole: NR14-034

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<p><<Struc: 313.95 - 316.28: moderate (3-5%) Fault Zone 40 deg. >> A likely continuation of the previous structural zone. Blocky core abundant small scale joint sets, no evidence of significant offset.</p> <p>A weak chlorite fracture set damage envelope to this zone may extend to approximately 322m.</p>			322.50	325.50	3.00	1627665	0.05	0.2	204	3.3	75
<p><<Struc: 326.5 - 326.6: intense (>10%) Veining - fracture fill 42 deg. >> A clean, compact epidote rich vein.</p>			325.50	328.50	3.00	1627666	0.041	0.2	225.9	5.4	87
<p><<Struc: 334.1 - 334.15: intense (>10%) Veining - fracture fill 40 deg. >> An early 5 - 10 cm diffuse margined epidote - pyrite vein. No garnets are identified.</p>			328.50	331.50	3.00	1627667	0.032	0.2	182.5	2.9	59
<p><<Struc: 342.6 - 345.7: intense (>10%) Sheared 25 deg. >> A strong clay, rich shear and fracture zone. No significant increase in sulphide content occurs within this zone. Slightly enhanced matrix silica may be developing on the FW contact to this shear. In general, this structural zone appears to be late.</p> <p>The defined interval is enveloped by a 1 - 2 m wide weak damage envelop on the FW and HW contacts.</p>			331.50	334.50	3.00	1627668	0.021	0.1	175.5	4.6	61
<p>345.70 398.40 MNZD Monzodiorite green-grey FG</p> <p>345.7 - 398.4: Although this rock unit does contain significant textural variability it remains a fine grained monzodiorite.</p> <p>The intrusion locally develops psuedo laminations most of which are associated with the halos to planar epidote plus or minus magnetite vein zones.</p> <p>Greater than 70% of the matrix of the sample is composed of blunt, slightly corroded white plagioclase grains which are set off against a fine grained dark green to brown matrix.</p> <p>Primary free quartz is never identified.</p>			334.50	337.50	3.00	1627669	0.043	0.2	269.2	4.6	68
			337.50	340.50	3.00	1627670	0.048	0.1	273.9	2.3	70
			340.50	343.50	3.00	1627671	0.039	0.1	186.6	2.2	74
			343.50	346.50	3.00	1627672	0.021	0.2	241.8	10.2	120
			346.50	349.50	3.00	1627673	0.031	0.5	534.7	22.6	152
<p><<Min: 345.7 - 398.4: 1.5% pyrite / 1.25% pyrite / 0.25% chalcocopyrite>> Pyrite is noted as uniform disseminations throughout this sample and as discrete planar veins.</p> <p>Chalcocopyrite is most often noted as small disseminations and aggregates generally with an association to magnetite grains. It is also identified as as very small disseminations.</p> <p>Chalcocopyrite does sometimes flank cm scale pyrite-epidote veinlets. Overall chalcocopyrite levels within this interval are modest and likely averaging less than 0.25%.</p>			349.50	352.50	3.00	1627674	0.122	0.5	403.3	9.6	102



GeoSpark: Drill Hole Report

Hole: NR14-034

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<p><<Alt: 345.7 - 398.4: moderate (3-5%) Magnetite / moderate (3-5%) Epidote / moderate (3-5%) Silicification / weak (1-3%) Potassium feldspar / Sericitic>> Rock alteration patterns in this interval are characterized by an assemblage:</p> <p style="padding-left: 40px;">epi - magnetite - quartz</p> <p>Traces of pale brown garnet is occasionally identified with stronger epidote vein and replacement aggregates.</p> <p>In this interval, very fine grained, milky quartz is often associated with, or flanking mm scale magnetite stringers.</p> <p>Occasionally magnetite will form well defined breccias over short intervals, e.g. at 389.1m.</p> <p>The pale green matrix coloration of much of this unit is likely due to moderate to strong sericite replacement of all feldspars.</p> <p>K-feldspar is a very weak component of this alteration assemblage and is typically found as the distal halo to cm scale epidote - pyrite quartz veins.</p>			352.50	355.50	3.00	1627676	0.044	0.4	254.8	14.2	118
<p><<Vein: 345.7 - 398.4: 3% Quartz-Epidote / 4% Magnetite / 2% Pyrite / 1% Quartz>> Numerous well developed vein sets are noted in this interval. Best developed veins are either cm scale magnetite veins and similar in appearance, cm scale pyrite-chalcopyrite veins.</p> <p>Sheeted epidote-quartz veins may also contain sulphide pyrite-chalcopyrite selvages.</p> <p>Smaller magnetite veinlets are commonly flanked by or zone into fine grained milky cream to grey quartz.</p> <p>Sporadic, fine grained quartz veins, with a weak sulphide association are noted. Epidote-quartz-carbonate veins, commonly with non-rotated extensional breccias are identified. These appear to post-date early magnetite-epidote breccias.</p>			355.50	358.50	3.00	1627677	0.054	0.6	568.5	13.8	121
<p><<Struc: 358.45 - 359.6: intense (>10%) Veining - fracture fill 40 deg. >> An anastomosing epidote - pyrite-quartz-garnet vein set locally oblique and contorted to the core axis.</p>			358.50	361.50	3.00	1627678	0.209	2.1	1097.3	10.4	95
<p><<Struc: 365.8 - 366: intense (>10%) Veining - fracture fill 40 deg. >> A semi-massive pyrite +/- chalcopyrite veinlet with epidote as a lesser gangue mineral.</p>			361.50	364.50	3.00	1627679	0.056	0.3	248.7	7.7	96
<p><<Struc: 368.2 - 376.6: strong (5-10%) Brecciated 50 deg. >> Localized angular magnetite breccias are noted throughout this interval. These breccias may also contain planar magnetite veins. Net breccia component is approximately 5- 8% of this interval.</p>			364.50	367.50	3.00	1627681	0.243	0.8	767.1	12.3	118



GeoSpark: Drill Hole Report

Hole: NR14-034

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<p><<Struc: 379.9 - 384: moderate (3-5%) Veining - fracture fill 30 deg. / moderate (3-5%) Brecciated 30 deg. >> The broader interval contains early limited breccias whose matrix contains equal amounts of mesh textured dark chlorite plus or minus magnetite. These somewhat subtel breccias form approximately 5 - 8% of the interval.</p> <p>The interval also contains well formed planar pyrite dominant veins locally with annealed textures. These veins may contain both magnetite and lesser chalcopyrite. The vein component of the interval is approximately equal to the magnetite component of the interval about 5 - 8%.</p>			367.50	370.50	3.00	1627682	0.031	0.6	357	9.8	98
<p><<Struc: 384 - 384.1: intense (>10%) Veining - fracture fill 45 deg. >> An approximate 10 cm magnetite-pyrite vein flanked by a well developed epidote - chalcopyrite selvage.</p>			370.50	373.50	3.00	1627683	0.022	0.5	558.7	13.3	105
<p><<Struc: 393.4 - 394.7: strong (5-10%) Brecciated 35 deg. >> Localized magnetite breccias forming approximately 5 - 7% of this interval. Weak vein development.</p>			373.50	376.50	3.00	1627684	0.023	0.1	147.7	5.5	74
			376.50	379.50	3.00	1627685	0.064	0.2	355.9	6.7	83
			379.50	382.50	3.00	1627686	0.306	1.1	3056.6	21.2	200
			382.50	385.50	3.00	1627687	0.135	0.5	846.5	15.3	108
			385.50	388.50	3.00	1627688	0.053	0.4	322.5	8.1	70
			388.50	391.50	3.00	1627689	0.09	0.4	558.6	7.5	82
			391.50	394.50	3.00	1627691	0.07	0.2	331.7	4	77
			394.50	397.50	3.00	1627692	0.095	0.3	442.2	5.4	76
			397.50	400.50	3.00	1627693	0.124	0.5	750.8	22.5	95
			400.50	403.50	3.00	1627694	0.171	0.5	784.7	8.5	70

398.40 456.10 MNZD Monzodiorite green-grey FG

398.4 - 456.1: The interval is characterized by significant textural diversity. A large part of this diversity is likely related to the commonly texturally destructive rock alteration, principally diffuse sericite plus or minus very fine grained grey matrix silica.

Careful examination of the drill core suggests the rock mass remains a fine grained, plagioclase phyric (75%) quartz deficient intrusion. Hornblende phenocrysts are occasionally noted but these are not equivalent to the coarse hornblende phenocrysts associated with barren phase dykes.

Locally, primary textural features are effectively obliterated and the core appears as a very fine grained, brownish to grey brown rock mass. These areas may also have weakly defined secondary compositional layers consisting largely of secondary silica and potentially fine grained secondary biotite.

None of the phenocrysts are aligned and biotite hornfels appears to be absent.



GeoSpark: Drill Hole Report

Hole: NR14-034

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<p><<Min: 398.4 - 456.1: 1.25% pyrite / 1% pyrite / 0.2% chalcopyrite>> Pyrite vastly outnumbers chalcopyrite in this interval the ratio of pyrite to chalcopyrite likely exceeds 40/1 py/cp.</p> <p>Chalcopyrite occurs as small disseminations most commonly associated with either:</p> <ol style="list-style-type: none"> 1. Small quart veinlets. 2. Small magnetite grains. 3. Epidote plus or minus chlorite aggregates. 			403.50	406.50	3.00	1627695	0.125	0.3	478.5	8.4	81
<p><<Alt: 398.4 - 456.1: strong (5-10%) Sericitic / moderate (3-5%) Chlorite / moderate (3-5%) Epidote / weak (1-3%) Potassic / moderate (3-5%) Silicification >> The alteration assemblage in this interval is dominated by sericite-quartz-pyrite.</p> <p>Relative to the preceeding interval, bands and aggregates of magnetite have significantly decreased and secundar k-feldspar is present but only as somewhat irregular, low intensity aggregates.</p> <p>Much of the rock matrix has been blurred out by the addition of secondary quartz and sericite. Epidote is present, most typically as small irregular aggregates and pits.</p> <p>All primary mafic minerals in this rock unit have been replaced by fine grained chlorite, no primary textures remain.</p>			406.50	409.50	3.00	1627696	0.121	0.9	1726.2	5.5	66
<p><<Vein: 398.4 - 456.1: 3% Epidote / 4% Quartz / 1% Calcite>> Epidote and quartz are the dominant vein forms. Epidote is often forming the anatomosing sheeted sets and quartz veins are commonly fine grained intersected mesh or small scale breccia veins.</p> <p>Late calcite extensional veins are poorly developed.</p>			409.50	412.50	3.00	1627697	0.152	1.1	1388.8	19.1	119
<p><<Struc: 400.75 - 400.8: intense (>10%) Veining - fracture fill 40 deg. >> A minor k-felspar 5 - 8 cm band.</p>			412.50	415.50	3.00	1627698	0.2	0.7	820.2	14.1	80
<p><<Struc: 407.8 - 410.6: intense (>10%) Sheared 35 deg. >> Enhanced silica plus or minus pyrite flanks this shear zone. Internal to the estimated shear plane boundaries the rock contains abundant calcite-chlorite microfractures.</p> <p>The lower contact is formed by a 20 cm clay gouge zone.</p>			415.50	418.50	3.00	1627699	0.064	0.5	819.6	6.2	79
<p><<Struc: 411.6 - 411.7: intense (>10%) Veining - fracture fill 40 deg. >> An medium to coarse grained pyrite - magnetite vein.</p>			418.50	421.50	3.00	1627701	0.064	0.3	653.8	6	87
<p><<Struc: 417.9 - 417.95: strong (5-10%) Veining - fracture fill 40 deg. >> An approximate 2 m wide zone of elevated hairline magnetite - epidote microveinlets. Small chalocpyrite grains are associated with these veins.</p>			421.50	424.50	3.00	1627702	0.092	0.5	833	10.1	100
<p><<Struc: 425.7 - 425.75: intense (>10%) Veining - fracture fill 60 deg. >> Knotted irregular silica-epidote chlorite aggregates. Localized bleaching and formation of "psuedo crystal tuff" textures.</p>			424.50	427.50	3.00	1627703	0.122	1	1496.5	14.8	119
<p><<Struc: 433.3 - 433.35: strong (5-10%) Veining - fracture fill 45 deg. >> The orientation fo a narrow quartz-pyrite veinlet. Host lithology is a pale green - cream fine grained, massive monzodiorite.</p>			427.50	430.50	3.00	1627704	0.083	0.7	1242.8	11	105



GeoSpark: Drill Hole Report

Hole: NR14-034

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<<Struc: 439 - 439.05: intense (>10%) Veining - fracture fill 40 deg. >>		Diffuse silica compositional layers.	430.50	433.50	3.00	1627705					
<<Struc: 444.4 - 444.45: intense (>10%) Veining - fracture fill 53 deg. >>		Planar fine grained smoky grey quartz-epidote vein.	433.50	436.50	3.00	1627706					
<<Struc: 444.5 - 444.6: strong (5-10%) Veining - fracture fill 45 deg. >>		An approximate 8 cm wide, true thickness, grey quartz vein.	436.50	439.50	3.00	1627707					
<<Struc: 451.8 - 451.85: intense (>10%) Veining - fracture fill 50 deg. >>		Cm scale quartz-garnet-epidote vienlets with trace chalcopyrite.	439.50	442.50	3.00	1627708					
			442.50	445.50	3.00	1627709					
			445.50	448.50	3.00	1627710					
			448.50	451.50	3.00	1627711					
			451.50	454.50	3.00	1627712					
			454.50	457.50	3.00	1627713					
			457.50	460.50	3.00	1627714					
456.10	504.60	MNZD Monzodiorite									
		dark grey/green									
		FMG									

456.1 - 504.6: The intrusion in this core interval is easily defined as fine to medium grained monzodiorite intrusion. This intrusive phase is slightly coarser grained than the bulk of the previously cored monzodiorites. Additionally, the matrix of the intrusion may contain a slightly higher density of interstitial mafic or chloritized mafic mineral assemblages.

Discrete, hornblene phenocrysts are sometimes identified, when present, these phenocrysts are commonly replaced by chalcopyrite.

Primary textural preservation is variable with good protolith recognition on small alteration islands.

No free quartz is present within this intrusive phase.

<<Min: 456.1 - 504.6: 1.25% pyrite / 0.1% chalcopyrite / 0.3% chalcopyrite / 1.25% pyrite>> Sulphide minerals in this interval are dominated by pyrite. This mineral is present in both vein and disseminated forms.

Chalcopyrite is dominantly noted within small sub-mm hairline veinlets. When present as disseminations it occurs as with felted magnetite-chlorite aggregates.

Net chalcopyrite levels are quite variable ranging from 0.1 - 1.0% throughout this interval. Pyrite to chalcopyrite ratios easily exceed 5:1.

460.50 463.50 3.00 1627715



GeoSpark: Drill Hole Report

Hole: NR14-034

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<<Alt: 456.1 - 504.6: moderate (3-5%) Silication / weak (1-3%) Magnetite / weak (1-3%) Garnet / moderate (3-5%) Epidote / weak (1-3%) Chlorite-carbonate >>		The alteration assemblage in this drillhole consists of: silica-magnetite-kfeldspar +/- garnet Fine grained matrix sericite is also identified as pervasive replacements of primary plagioclase phenocrysts. Portions of the core in this interval is reminiscent of "grey potassic" alteration. In this alteration form the matrix is extensively replaced by fine grained silic - magnetite with sporadic matrix and vein related k-feldspar. Much of the alteration in this interval is texturally retentive, which is in marked contrast to the alteration noted in the preceding interval which is generally textural destructive. As in the previous interval, much of the chalcopyrite identified within this interval is related to the presence of small quartz - magnetite +/- epidote veins. <<Vein: 456.1 - 504.6: 3% Quartz / 1% Calcite / 2% Epidote / 2.5% Magnetite>> The dominant vein type within this interval are banded smokey grey quartz veins. These veins often have a well developed medial line and have a definitive chalcopyrite association. Occassionally pale orange-buff andradite grains are identified along the quartz vein margin. Magnetite veins are identified as small sub mm veins which are present both as sheeted veins and as discordant vein sets. In this interval these veins lack a silica selvage. <<Struc: 458.05 - 458.1: intense (>10%) Veining - fracture fill 55 deg. >> Cm scale pink k-feldspar - quartz vein. <<Struc: 463.1 - 466.8: strong (5-10%) Veining - fracture fill 30 deg. >> A broad zone of fine grained sheeted mm scale hairline microveinlets. <<Struc: 474.5 - 474.55: intense (>10%) Veining - fracture fill 45 deg. >> Small scale sheeted grey quartz veinlets. <<Struc: 479.3 - 479.35: intense (>10%) Veining - fracture fill 50 deg. >> Banded grey silica plus or minus cp vein. <<Struc: 482.75 - 482.8: intense (>10%) Veining - fracture fill 50 deg. >> Smokey grey silica vein. <<Struc: 484.1 - 487.5: intense (>10%) Sheared 40 deg. >> This is strong shear zone with a common vein, chloritic slip plane orientation of approximately 040 to CA. The core is shattered with innumerable small microfractures and is easily broken by hand. <<Struc: 492.4 - 492.45: intense (>10%) Veining - fracture fill 70 deg. >> Supebly ribbon banded crack and seal grey quartz - py - cp veins. <<Struc: 494.1 - 494.8: intense (>10%) Fault Zone 35 deg. >> The structural zone is cored by a central shear hosted vein approximately 30 cm wide. <<Struc: 504.15 - 504.2: intense (>10%) Veining - fracture fill 50 deg. >> A series of three, cm and sub cm scale sheeted quartz - garnet veins.	463.50	466.50	3.00	1627716					
			466.50	469.50	3.00	1627717					
			469.50	472.50	3.00	1627718					
			472.50	475.50	3.00	1627719					
			475.50	478.50	3.00	1627721					
			478.50	481.50	3.00	1627722					
			481.50	484.50	3.00	1627723					
			484.50	487.50	3.00	1627724					
			487.50	490.50	3.00	1627726					
			490.50	493.50	3.00	1627727					
			493.50	496.50	3.00	1627728					



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From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
			496.50	499.50	3.00	1627729					
			499.50	502.50	3.00	1627730					
504.60	548.85	MNZD Monzodiorite									
			502.50	505.50	3.00	1627731					
		dark grey FG	505.50	508.50	3.00	1627732					
<p>504.6 - 548.85: A single intrusive phase, fine grained monzodiorite is represented in this interval. Relative to the preceding interval the sample matrix has diminished in grain size. Decreased grain size has occurred with no change in bulk rock composition.</p> <p>Occasionally in a few quite well mineralized samples equant hornblende phenocrysts are easily noted.</p> <p>The characteristic small plagioclase grains are often noted throughout this interval.</p> <p><<Min: 504.6 - 525: 1.75% pyrite / 0.6% chalcopyrite>> Net levels of chalcopyrite are increasing. Within this interval chalcopyrite ranges from 0.25 to > 1%. Much of this is present as uniform disseminations with about 1/3 of it found within banded grey quartz veins.</p> <p>Pyrite to chalcopyrite ratios are probalby in the 3:1 range in favor of pyrite. Pyrite is noted as unform disseminations and locally as very narrow mm scale microveinlets.</p> <p><<Min: 525 - 548.85: 1.5% pyrite / 1.25% chalcopyrite>> Pyrite to chalcopyrite ratios have significantly shifted and are not at approximately 1:1 py to cp.</p> <p>Pyrite is identified associated with grey quartz - k -feldspar veins and as uniform matrix disseminations.</p> <p>Chalcopyrite has a similar distribution to pyrite and occurs throughout this interval as ubitiquous fine grained disseminations and strongly associated with grey banded quartz veins.</p>											
			508.50	511.50	3.00	1627733					
			511.50	514.50	3.00	1627734					



GeoSpark: Drill Hole Report

Hole: NR14-034

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<p><<Alt: 504.6 - 548.85: strong (5-10%) Potassium feldspar / strong (5-10%) Silicification / moderate (3-5%) Magnetite / moderate (3-5%) Epidote / strong (5-10%) Chlorite >> The interval is in general dominated by potassic alteration assemblages. Salmon pink to orange k-feldspar bands and aggregates are common in this interval. Most of these are vein related. Complete k-feldspar replacements of matrix are rare.</p> <p>Grey quartz veins, typically with a chalcopyrite association are also common in this interval. Matrix silicification is less common.</p> <p>Magnetite is largely present as small diffuse veins and aggregates often with a chalcopyrite association.</p> <p>Epidote forms horsetailing veins and veinlets across much of this interval. These veins post-date and cut matrix k-feldspar veins and aggregates.</p> <p>Chlorite development, which is sometimes linked to actinolite, also increases in intensity down this drillhole. Towards the lower contact at 548.55 net chlorite content qualitatively increases for 3 to 4 m on the hanging wall side. It is likely, and particularly towards the lower contact that fine grained sericite is intermixed with dark green chlorite.</p>			514.50	517.50	3.00	1627735					
<p><<Vein: 504.6 - 548.85: 4% Quartz / 4% Epidote / 3% Calcite / 0.25% Pyrite>> Within this interval the relationship between quartz and k-feldspar becomes increasingly obvious. Most quartz veins are flanked by bright orange k-feldspar envelopes.</p> <p>Epidote veins, in this interval lack k-feldspar envelopes and have a limited to weak association with secondary quartz. Epidote veins within the higher copper grade intervals tend to be much brighter green and likely contain less quartz-calcite as gangue mineral phases.</p> <p>Hairline pyrite veinlets, often containing chalcopyrite are noted throughout this interval. These veins seldom exceed 1.5 mm in width and are typically discontinuous.</p> <p>Calcite veins are commonly associated with late structural zones and appear to be a late deformational feature within this interval.</p>			517.50	520.50	3.00	1627736					
<p><<Struc: 508.2 - 509.3: intense (>10%) Sheared 30 deg. >> A series of narrow sheeted fracture sets which are sometimes filled with grey quartz veins. The interval also contains moderate textural evidence for early intrusion breccias.</p>			520.50	522.50	2.00	1627737					
<p><<Struc: 511.95 - 514.4: strong (5-10%) Fault Zone 50 deg. >> A broad zone of incipient fractures and failures. Many of these are occupied by late calcite veinlets. Note, from this point to 548.45 microfractures and small scale failure surfaces are exceptionally common. Much of the core in this interval may be broken by hand.</p>			522.50	524.34	1.84	1627738					
<p><<Struc: 524 - 528: intense (>10%) Sheared 36 deg. >> Abundant, microfractures and joint plane intersections. Core is breaking by hand into small orthogonal joint planes.</p>			524.34	527.50	3.16	1627739	0.331	1.5	2577.6	20.7	155
<p><<Struc: 534 - 534.1: intense (>10%) Veining - fracture fill 50 deg. >> Orientation of cm scale grey quartz py-cp vein sets.</p>			527.50	530.50	3.00	1627741	0.397	1.5	2978.1	9.1	139



GeoSpark: Drill Hole Report

Hole: NR14-034

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
		<<Struc: 540.5 - 540.55: strong (5-10%) Veining - fracture fill 45 deg. >> Cm scale well banded quartz - k-feldspar vein.	530.50	533.50	3.00	1627742	0.727	2.5	4538	7.4	144
		<<Struc: 541.5 - 544.3: intense (>10%) Micro-fractures 50 deg. >> Abundant early microfractures and shear planes traverse this interval. Many of these are sub-parallel but an equal number also cut small grey quartz veins within this interval.	533.50	536.50	3.00	1627743	1.014	3	5553.9	6.7	75
		<<Struc: 545.5 - 548.8: intense (>10%) Sheared 65 deg. >> Small shear planes and fracture sets, both chlorite and sericite, dominate this interval. These shear surfaces are strongly mineralized or cut through strongly chalcopyrite mineralized rock. Although the rock has cored well it is easily broken by hand throughout much of the interval.	536.50	539.50	3.00	1627744	0.555	1.8	3442.4	7.3	55
		<<Struc: 548.8 - 548.85: intense (>10%) Contact 65 deg. >> This contact defines the location of the monzonite intrusions to the southwest or HW side and fine grained volcanoclastics on the FW side.	539.50	542.50	3.00	1627745	0.431	1.7	3492.3	8.4	73
			542.50	545.50	3.00	1627746	0.863	3.5	6558.6	7.8	115
			545.50	548.85	3.35	1627747	0.556	2.2	4960.6	3.9	67
			548.85	551.50	2.65	1627748	0.033	0.7	1647.2	4.3	81

548.85 575.15 XT Crystal Tuff light brown FMG

548.85 - 575.15: Fine grained strongly plagioclase phyrical crystal tuffs form the interval. These rocks have the following hallmark characteristics:

1. Sporadic locally large aligned hornblende phenocrysts.
2. Crowded, irregular plagioclase grains.
3. Rare lithic rich interbeds.
4. The abrupt onset of fine grained matrix biotite or biotite hornfels.
5. No evidence of stratification.
6. Free quartz has not been identified.

By all measures the contact at 548.85 is the principle volcanic - intrusive contact.

<<Min: 548.85 - 575.15: 4% pyrite / 0.05% chalcopyrite / 0.025% molybdenite>> Disseminated pyrite grains are by far the dominant sulphide phase in this interval. Disseminated pyrite grains may be nucleating around partially replaced amphibole grains.

Chalcopyrite is noted at low levels within small quartz veins and external, in narrow halos to these veins.

Molybdenite is noted as minor to trace disseminations most commonly within the very minor epiclastic interbeds within this unit or associated with small quartz veins.

551.50	554.50	3.00	1627749	0.024	0.4	1132.2	4.2	62
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GeoSpark: Drill Hole Report

Hole: NR14-034

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
		<<Alt: 548.85 - 575.15: strong (5-10%) Biotite / strong (5-10%) Bleaching / moderate (3-5%) Calcite / weak (1-3%) Silication >> The dominant alteration within this rock unit is the development of fine grained matrix biotite. This has the appearance of a biotite hornfels. Portions of the rock in this interval are bleached and lightened in color to pale cream. Much of this alteration occurs across small sub mm veinlets, including minor quartz veinlets which may carry both chalcopyrite and moly. Late stage calcite is present in minor extensional veins.	554.50	557.50	3.00	1627751	0.033	0.9	1948	5.6	77
		<<Vein: 548.85 - 575.15: 2% Quartz / 2% Calcite>> Small quartz veins, a few cm across, are the dominant vein type. Proximal to these veins the immediate vein envelop may contain disseminated chalcopyrite. Late stage calcite veins are noted soles as minor extensional veins.	557.50	560.50	3.00	1627752	0.031	0.5	1188.8	3.7	45
		<<Struc: 548.85 - 550.5: intense (>10%) Sheared 45 deg. >> An intact rock mass with abundant small scale shear planes form the interval.	560.50	563.50	3.00	1627753	0.013	0.3	434.2	4.9	61
		<<Struc: 564.5 - 566.7: intense (>10%) Fault Zone 20 deg. >> A healed breccia zone. Elevated pinkish matrix, possibly due to secondary hematite. No significant development of secondary sulphides. Both upper and lower contacts are tight.	563.50	566.50	3.00	1627754	0.028	0.5	871.3	7.8	51
		<<Struc: 572.95 - 573.53: intense (>10%) Fault Zone 70 deg. >> A well defined fault and breccia zone which has been healed with minor clay calcite assemblages.	566.50	569.50	3.00	1627755	0.025	0.6	894.5	5.6	59
			569.50	572.50	3.00	1627756	0.029	0.5	548.1	11.1	73
			572.50	575.50	3.00	1627757	0.024	0.5	525	7.9	67
			575.50	578.50	3.00	1627758	0.043	0.7	799.1	8.4	76

575.15 602.59 ABF Andesite-Basalt Flow light brown FG

575.15 - 602.59: The rock unit in this interval appears to be an andesitic flow. The flow characteristics are based on:

1. An exceptionally fine grained quenched ground mass.
2. The presence of irregular lithophysae or possibly highly irregular cm scale zoned alteration fronts, not equal to amygdalae.
3. A possible flow top breccia at the upper contact.
4. A general absence of the crowded and locally abraded feldspars noted in the previous interval.
5. No epiclastic fragments.
6. This rock unit contains no free quartz grains.

Compositionally this rock unit is not equivalent to the massive, vitric felsic flows noted elsewhere in this section.

Hole: NR14-034

From (m)	To (m)	Rock Type & Description	From (m)	To (m)	Length	Sample #	Au Best ppm	Ag Best ppm	Cu Best ppm	Pb Best ppm	Zn Best ppm
<p><<Min: 575.15 - 602.59: 5% pyrite>> No other sulphide phases are identified within this interval. Pyrite occurs as abundant disseminated aggregates and sometimes in high sulphide mm scale veinlets.</p> <p>Chalcopyrite is never identified.</p>			578.50	581.50	3.00	1627759	0.018	0.2	172.1	9	63
<p><<Alt: 575.15 - 602.59: strong (5-10%) Biotite / strong (5-10%) Pyrite / moderate (3-5%) Chlorite / moderate (3-5%) Clay / weak (1-3%) Quartz>> The dominant alteration assemblage in this interval is:</p> <p>biotite (hornfels) - chlorite - pyrite</p> <p>Biotite appears as an early fine grained matrix hornfels.</p> <p>Chlorit and pyrite are closely spatially related with dark green black chlorite consistently rimming small pyrite grains.</p>			581.50	584.50	3.00	1627761	0.031	0.3	204.2	11.7	105
<p><<Vein: 575.15 - 602.59: 3% Quartz-Pyrite / 2% White Clay/Kaolinite>> Quartz veins within this interval are commonly of two varieties:</p> <ol style="list-style-type: none"> 1. Quartz breccia veins. 2. Sheeted or ribbon banded veins. <p>Later stage, clay plus or minus chlorite veins occupy late slip and fracture surfaces. These veins post-date early quartz veins.</p>			584.50	587.50	3.00	1627762	0.03	0.3	219.3	12.8	76
<p><<Struc: 581.2 - 581.25: intense (>10%) Veining - fracture fill 70 deg. >> A well defined banded quartz pyrite vein.</p>			587.50	590.50	3.00	1627763	0.022	0.2	83.8	10.9	59
<p><<Struc: 585 - 588.1: strong (5-10%) Fault Zone 20 deg. >> An oblique to core axis slightly anastomosing quartz pyrite vein. Several strands, 3 - 4 are identified, most are under a cm and all occupy the entire interval.</p>			590.50	593.50	3.00	1627764	0.036	0.4	52.7	10.6	73
<p><<Struc: 591.1 - 592.55: strong (5-10%) Fault gouge 10 deg. >> Very oblique to CA, clay-chlorite vein and shear structure. No significant damage envelope.</p>			593.50	596.50	3.00	1627765	0.018	0.2	41.2	8.7	49
<p><<Struc: 598.2 - 598.8: intense (>10%) Sheared 25 deg. >> A strong clay rich shear zone. This zone is flanked by sheared pyritic veins and veinlets some level of boudinage and healed rotated fragments is noted in the immediate HW to this zone.</p>			596.50	599.50	3.00	1627766	0.014	0.1	45.3	13.8	38
<p><<Struc: 602.4 - 602.45: strong (5-10%) Veining - fracture fill 40 deg. >> Sheeted slightly segmented pyritic microveinlets.</p>			599.50	602.59	3.09	1627767	0.012	0.1	38.5	23.3	52

End of Hole @ 602.59



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Client: **Colorado Resources Ltd.**
110 - 2300 Carrington Road
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Submitted By: Greg Dawson
Receiving Lab: Canada-Smithers
Received: May 21, 2014
Report Date: June 02, 2014
Page: 1 of 5

CERTIFICATE OF ANALYSIS

SMI14000244.1

CLIENT JOB INFORMATION

Project: North_Rok
Shipment ID: 14-1
P.O. Number
Number of Samples: 112

SAMPLE DISPOSAL

RTRN-PLP Return
STOR-RJT Store After 90 days Invoice for Storage

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

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

CC: Gilles Dessureau
Allan Jacobs

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	106	Crush, split and pulverize 250 g rock to 200 mesh			SMI
FA430	112	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
AQ200	112	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: North_Rok
 Report Date: June 02, 2014

Page: 2 of 5

Part: 1 of 2

CERTIFICATE OF ANALYSIS

SMI14000244.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626451	Drill Core	3.89	0.007	1.4	16.7	4.0	111	0.1	2.9	9.9	743	3.53	5.9	<0.5	5.3	35	<0.1	0.3	<0.1	109	0.73
1626452	Drill Core	5.12	0.013	1.6	12.6	7.9	97	0.6	2.4	10.6	582	3.50	11.6	9.3	5.7	92	<0.1	0.2	0.8	103	0.57
1626453	Drill Core	5.88	0.016	2.0	27.6	14.4	75	0.4	2.9	11.2	715	3.53	10.4	8.3	5.4	151	<0.1	0.3	1.1	87	1.03
1626454	Drill Core	5.12	0.015	1.7	14.2	11.0	83	0.2	2.9	8.5	864	3.39	15.8	17.2	4.9	52	<0.1	0.5	0.4	97	1.39
1626455	Drill Core	4.06	0.022	3.6	9.4	49.4	115	0.5	3.3	14.5	803	3.72	14.7	13.4	5.2	66	<0.1	0.5	1.0	96	1.24
1626456	Drill Core	6.03	0.006	1.7	12.2	9.7	121	0.1	3.1	8.6	815	3.27	8.9	5.2	4.8	76	<0.1	0.4	0.3	84	0.78
1626457	Drill Core	5.43	0.012	1.4	15.2	13.2	116	0.2	2.6	9.7	867	3.49	8.4	7.5	5.5	51	<0.1	0.5	0.4	94	0.67
1626458	Drill Core	5.71	0.012	1.7	24.1	23.6	93	0.3	2.6	9.3	669	3.24	11.7	8.3	5.5	77	0.1	0.4	0.6	98	0.84
1626459	Drill Core	4.53	0.019	1.8	18.9	27.9	82	0.2	3.1	10.6	575	3.60	11.6	10.9	5.8	161	0.8	0.3	0.8	110	0.84
1626460	Rock Pulp	0.12	0.298	283.5	2521.6	89.9	444	2.7	13.7	10.7	759	4.51	27.8	238.8	3.6	59	2.3	1.4	1.2	33	0.84
1626461	Drill Core	5.25	0.009	1.3	11.4	3.0	65	<0.1	3.1	8.0	627	3.53	9.2	4.3	5.8	67	<0.1	0.3	0.1	127	0.75
1626462	Drill Core	5.20	0.005	1.5	15.8	4.8	77	<0.1	2.8	11.5	701	3.36	8.0	5.3	6.2	122	<0.1	0.3	0.3	119	0.70
1626463	Drill Core	5.26	0.007	1.3	11.6	3.6	88	<0.1	2.8	7.2	832	3.53	8.5	4.0	5.7	65	<0.1	0.3	0.2	115	0.85
1626464	Drill Core	4.72	0.010	2.6	18.7	11.3	112	0.2	3.7	8.8	875	3.89	11.7	9.3	5.6	59	<0.1	0.3	0.4	121	1.16
1626465	Drill Core	3.80	0.017	1.8	24.9	5.4	117	0.2	3.7	12.7	856	4.15	12.7	10.6	5.5	93	<0.1	0.3	0.5	104	1.64
1626466	Drill Core	5.24	0.016	1.3	12.2	26.7	131	0.4	4.1	13.0	809	4.26	6.8	10.5	5.1	100	<0.1	0.3	1.1	74	1.73
1626467	Drill Core	4.98	0.022	2.1	22.0	72.8	116	0.8	4.5	14.7	789	4.15	9.5	14.9	5.5	140	0.8	0.3	2.4	83	1.99
1626468	Drill Core	4.98	0.011	2.1	28.6	10.5	102	0.2	4.1	12.9	1030	4.11	6.8	8.8	5.2	202	<0.1	0.3	1.1	127	1.62
1626469	Drill Core	4.64	0.014	1.8	30.6	21.2	92	0.3	3.3	11.1	779	3.75	8.7	9.2	5.3	57	0.3	0.4	1.1	119	1.15
1626470	Drill Core	5.07	0.028	1.3	26.6	74.7	138	0.6	4.0	11.9	758	3.86	8.9	22.5	5.2	158	1.1	0.4	1.4	121	1.47
1626471	Drill Core	4.61	0.023	1.2	41.3	37.4	137	0.3	4.4	14.7	888	3.73	8.2	15.2	4.6	89	0.6	0.4	1.1	114	1.77
1626472	Drill Core	5.06	0.020	1.9	30.4	26.4	127	0.2	3.8	13.1	927	3.87	9.2	13.5	5.1	76	0.4	0.4	0.7	123	1.73
1626473	Drill Core	3.48	0.021	1.7	37.1	30.3	113	0.5	4.1	12.3	867	3.93	6.5	17.8	5.3	123	0.6	0.2	1.1	120	1.17
1626474	Drill Core	1.13	0.044	2.6	24.3	25.2	112	0.7	4.0	16.0	1225	4.70	11.8	45.6	5.1	169	0.2	0.2	1.6	100	1.06
1626475	Drill Core	0.80	0.041	2.7	40.3	41.8	111	0.8	4.5	14.4	1127	4.39	12.8	38.9	5.2	164	0.3	0.2	1.6	95	1.25
1626476	Drill Core	5.28	0.020	1.9	29.8	79.7	220	0.6	4.0	10.8	694	3.71	7.0	14.8	5.7	362	2.6	0.2	1.3	110	0.94
1626477	Drill Core	5.66	0.023	1.8	28.4	20.0	121	0.4	4.3	12.7	790	4.14	6.8	16.8	5.2	113	0.1	0.3	1.1	135	1.00
1626478	Drill Core	5.62	0.027	2.2	22.6	101.3	216	0.6	4.5	14.0	616	4.09	9.2	22.9	5.5	223	2.2	0.3	1.7	113	1.21
1626479	Drill Core	6.86	0.034	1.6	46.3	39.6	104	0.4	4.4	11.8	598	3.73	8.0	27.0	5.4	117	0.4	0.3	1.3	124	1.05
1626480	Rock Pulp	0.12	0.431	279.4	2468.8	87.2	444	2.6	14.6	10.6	748	4.46	30.0	253.2	4.2	57	2.3	1.5	1.2	32	0.82

CERTIFICATE OF ANALYSIS

SMI14000244.1

Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
1626451	Drill Core	0.091	12	6	1.89	37	0.129	<20	1.69	0.064	0.09	0.3	0.02	7.0	<0.1	0.56	9	<0.5	<0.2
1626452	Drill Core	0.097	9	6	1.83	48	0.130	<20	1.59	0.066	0.12	0.3	0.02	6.8	<0.1	1.93	8	1.9	0.6
1626453	Drill Core	0.087	13	6	1.36	59	0.123	<20	1.52	0.062	0.16	0.3	<0.01	5.3	0.1	2.12	7	2.2	0.5
1626454	Drill Core	0.099	12	5	1.35	45	0.132	<20	1.91	0.054	0.08	0.4	<0.01	5.2	<0.1	0.92	9	<0.5	<0.2
1626455	Drill Core	0.102	11	6	1.61	119	0.148	<20	2.23	0.063	0.10	0.3	0.02	6.0	<0.1	2.08	9	1.8	0.3
1626456	Drill Core	0.095	12	6	1.75	48	0.119	<20	1.79	0.050	0.07	0.3	<0.01	4.9	<0.1	0.73	9	<0.5	<0.2
1626457	Drill Core	0.093	12	5	1.68	42	0.140	<20	1.67	0.064	0.10	0.3	<0.01	5.9	<0.1	1.31	9	1.3	<0.2
1626458	Drill Core	0.102	10	6	1.49	46	0.144	<20	1.41	0.057	0.12	0.3	<0.01	6.7	<0.1	1.89	8	1.0	<0.2
1626459	Drill Core	0.095	12	6	1.51	58	0.153	<20	1.58	0.093	0.13	0.3	0.01	7.6	<0.1	2.17	7	1.4	0.3
1626460	Rock Pulp	0.067	5	20	0.60	66	0.043	<20	1.72	0.053	0.31	1.1	0.06	2.5	0.3	2.16	5	3.6	0.6
1626461	Drill Core	0.108	12	7	2.04	33	0.159	<20	1.81	0.063	0.09	0.3	<0.01	10.0	<0.1	0.36	9	<0.5	<0.2
1626462	Drill Core	0.108	12	7	2.00	42	0.147	<20	1.72	0.076	0.10	0.3	<0.01	8.8	<0.1	0.97	9	<0.5	<0.2
1626463	Drill Core	0.103	13	6	1.92	42	0.149	<20	1.73	0.063	0.09	0.4	0.01	8.2	<0.1	0.48	9	<0.5	<0.2
1626464	Drill Core	0.100	11	6	2.19	71	0.161	<20	2.47	0.047	0.10	0.4	0.03	8.5	<0.1	1.07	10	<0.5	0.2
1626465	Drill Core	0.106	8	6	2.44	72	0.115	<20	3.45	0.024	0.15	0.2	0.02	8.2	<0.1	1.40	10	0.9	0.2
1626466	Drill Core	0.102	10	5	2.04	59	0.018	<20	2.68	0.029	0.30	<0.1	0.02	6.8	<0.1	1.94	7	1.6	0.4
1626467	Drill Core	0.097	9	6	1.33	51	0.086	<20	1.87	0.035	0.21	0.2	0.04	6.0	<0.1	3.15	7	2.9	0.4
1626468	Drill Core	0.110	11	8	1.87	73	0.153	<20	2.11	0.067	0.16	0.3	0.04	11.5	<0.1	1.78	8	1.4	0.3
1626469	Drill Core	0.113	11	7	1.39	50	0.135	<20	1.61	0.068	0.12	0.3	0.02	6.5	<0.1	1.88	8	1.5	0.3
1626470	Drill Core	0.108	12	8	1.36	100	0.147	<20	1.58	0.092	0.14	0.3	0.05	8.9	<0.1	2.22	8	1.7	0.4
1626471	Drill Core	0.109	11	8	1.51	47	0.128	<20	1.68	0.065	0.11	0.3	0.03	8.2	<0.1	2.03	8	1.6	0.3
1626472	Drill Core	0.105	12	7	1.55	47	0.137	<20	1.79	0.069	0.12	0.3	0.02	10.0	<0.1	1.46	8	1.3	<0.2
1626473	Drill Core	0.107	10	7	1.77	47	0.131	<20	1.92	0.055	0.14	0.2	0.04	9.2	<0.1	2.05	8	2.2	0.4
1626474	Drill Core	0.114	10	5	2.03	61	0.030	<20	2.23	0.037	0.24	<0.1	0.03	7.3	<0.1	2.68	8	2.8	0.5
1626475	Drill Core	0.111	10	6	1.90	58	0.025	<20	2.06	0.033	0.22	<0.1	0.05	7.2	<0.1	2.55	7	2.2	0.5
1626476	Drill Core	0.106	11	7	1.84	63	0.075	<20	1.92	0.077	0.18	0.1	0.13	8.0	<0.1	2.74	7	2.9	0.5
1626477	Drill Core	0.104	11	8	1.90	39	0.159	<20	1.96	0.059	0.11	0.2	0.06	10.6	<0.1	2.20	9	2.5	0.5
1626478	Drill Core	0.112	11	7	1.42	61	0.140	<20	1.70	0.080	0.17	0.2	0.13	9.4	<0.1	3.16	7	3.1	0.9
1626479	Drill Core	0.114	11	8	1.76	48	0.167	<20	1.84	0.059	0.13	0.2	0.03	10.3	<0.1	2.24	8	2.4	0.5
1626480	Rock Pulp	0.075	5	21	0.59	66	0.041	<20	1.68	0.052	0.30	1.2	0.05	2.2	0.2	2.13	5	3.7	0.7

CERTIFICATE OF ANALYSIS

SMI14000244.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626481	Drill Core	7.21	0.025	1.5	32.6	35.9	103	0.3	3.8	12.6	607	3.92	8.2	23.1	5.3	40	0.8	0.3	1.5	120	1.24
1626482	Drill Core	7.57	0.021	1.8	40.2	57.2	139	0.6	3.6	11.5	640	3.91	8.4	18.5	5.4	35	2.9	0.3	1.5	118	1.84
1626483	Drill Core	7.90	0.032	1.6	145.5	20.5	115	0.5	3.7	12.0	753	3.67	9.7	21.8	4.9	41	0.8	0.3	1.0	112	1.80
1626484	Drill Core	7.48	0.043	1.8	57.5	23.0	120	0.2	3.7	12.1	683	3.75	7.0	42.0	5.0	85	0.9	0.3	1.4	122	1.09
1626485	Drill Core	4.04	0.033	1.4	39.0	8.3	117	0.3	4.0	12.1	715	3.83	5.5	24.9	5.4	212	0.2	0.1	1.4	122	0.72
1626486	Drill Core	7.93	0.047	1.7	96.9	7.3	64	0.1	4.1	11.6	516	4.23	4.0	36.0	5.6	249	<0.1	0.2	2.0	83	0.63
1626487	Drill Core	7.69	0.029	1.6	48.1	10.8	68	0.1	3.9	12.2	615	4.05	7.6	19.7	5.0	140	0.2	0.3	1.5	104	1.00
1626488	Drill Core	7.97	0.014	1.8	29.5	6.9	61	<0.1	3.9	9.9	527	3.52	5.9	8.7	5.4	222	<0.1	0.2	0.8	111	1.06
1626489	Drill Core	7.28	0.006	1.4	33.8	10.3	85	0.1	4.1	11.2	655	3.73	5.8	5.6	5.7	174	<0.1	0.2	0.4	135	1.45
1626490	Rock	1.84	0.005	<0.1	1.4	0.1	1	<0.1	0.2	<0.1	21	0.06	<0.5	<0.5	<0.1	3592	<0.1	<0.1	<0.1	<2	34.52
1626491	Drill Core	7.34	0.012	1.6	38.2	18.4	85	0.2	4.2	11.4	634	3.50	7.4	6.3	4.8	104	0.2	0.5	0.4	99	1.19
1626492	Drill Core	7.71	0.011	2.1	28.4	5.2	63	<0.1	3.9	10.6	623	3.32	5.8	4.5	5.6	239	<0.1	0.3	0.2	111	1.44
1626493	Drill Core	7.33	0.010	1.6	34.7	5.5	101	<0.1	4.2	12.5	788	3.54	5.3	2.6	5.3	168	<0.1	0.5	0.2	104	1.34
1626494	Drill Core	7.61	0.008	1.9	51.2	3.8	128	0.1	3.5	12.6	764	3.44	6.2	6.7	5.3	104	<0.1	0.7	0.4	98	1.14
1626495	Drill Core	5.19	0.011	1.3	131.8	5.0	137	0.1	3.8	10.9	795	3.83	5.3	4.6	5.4	100	<0.1	0.3	0.3	116	1.28
1626496	Drill Core	5.05	0.008	1.6	24.9	11.3	104	0.2	4.3	12.1	765	3.51	7.8	6.9	5.1	107	0.2	0.4	0.7	113	1.52
1626497	Drill Core	5.51	0.009	1.5	31.9	12.7	111	0.2	3.7	12.8	813	3.83	6.5	4.8	5.5	146	0.4	0.3	0.8	121	1.64
1626498	Drill Core	5.39	0.015	1.3	27.8	15.6	124	0.2	4.1	12.3	809	3.65	6.2	8.3	5.2	104	0.2	0.3	0.9	117	1.64
1626499	Drill Core	5.40	0.014	2.2	39.6	14.3	115	0.2	3.9	12.9	724	3.86	6.7	11.0	5.7	239	0.8	0.2	0.8	117	1.54
1626500	Rock Pulp	0.12	0.522	16.8	3777.9	107.7	927	4.3	15.9	12.5	750	4.73	26.6	483.0	2.9	58	5.1	0.9	1.3	27	0.83
1626501	Drill Core	5.66	0.021	2.5	58.2	14.2	96	0.2	3.7	13.1	638	3.78	6.5	17.0	5.8	388	0.4	0.2	0.8	109	1.19
1626502	Drill Core	4.78	0.015	4.0	77.4	5.4	94	0.1	4.4	12.6	709	3.76	6.2	14.7	5.9	550	0.2	0.2	0.9	126	1.31
1626503	Drill Core	4.50	0.021	1.7	83.1	12.1	75	0.1	3.8	12.3	590	3.63	6.0	19.3	6.0	311	0.6	0.2	0.9	109	1.44
1626504	Drill Core	6.77	0.013	1.8	35.6	11.6	82	0.1	4.1	11.7	645	3.73	6.0	6.5	5.8	398	0.5	0.2	0.7	122	1.17
1626505	Drill Core	4.39	0.016	1.5	56.2	9.3	98	0.3	4.4	13.9	720	3.94	6.1	11.9	6.3	164	<0.1	0.2	0.8	115	1.13
1626506	Drill Core	3.31	0.017	1.4	34.1	5.5	86	0.2	4.2	12.6	716	3.93	4.5	6.8	6.3	553	0.1	0.1	0.6	120	1.07
1626507	Drill Core	4.77	0.012	9.6	40.2	9.5	93	0.3	4.5	12.3	735	4.07	6.9	9.0	6.4	385	<0.1	0.2	0.9	119	1.19
1626508	Drill Core	5.55	0.013	2.1	47.6	5.3	101	0.2	3.9	13.0	760	3.94	9.2	10.1	6.0	125	<0.1	0.2	0.5	127	1.32
1626509	Drill Core	5.38	0.010	1.7	44.1	5.7	91	0.2	4.1	13.2	739	3.70	5.9	6.5	5.6	104	<0.1	0.4	0.5	108	1.37
1626510	Drill Core	5.39	0.013	3.7	66.3	4.5	66	0.2	4.6	14.0	514	3.77	4.6	12.0	6.3	306	<0.1	0.1	0.7	95	0.77

CERTIFICATE OF ANALYSIS

SMI14000244.1

Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
1626481	Drill Core	0.110	11	5	1.47	42	0.149	<20	1.76	0.062	0.11	0.3	0.05	8.4	<0.1	2.40	9	2.6	0.6
1626482	Drill Core	0.112	10	7	1.42	120	0.153	<20	2.45	0.038	0.12	0.3	0.04	9.1	<0.1	2.02	9	2.3	0.6
1626483	Drill Core	0.109	11	8	1.37	51	0.159	<20	2.22	0.074	0.10	0.3	0.01	8.2	<0.1	1.75	10	1.6	0.3
1626484	Drill Core	0.109	10	7	1.40	43	0.156	<20	1.64	0.054	0.11	0.3	0.04	7.1	<0.1	1.68	7	1.6	0.4
1626485	Drill Core	0.110	9	8	1.84	48	0.145	<20	1.84	0.085	0.12	0.2	0.02	8.3	<0.1	1.46	8	1.7	0.5
1626486	Drill Core	0.104	6	6	1.33	85	0.100	<20	1.68	0.067	0.17	0.1	0.04	6.5	<0.1	3.02	6	1.9	0.5
1626487	Drill Core	0.104	7	8	1.35	71	0.143	<20	1.79	0.086	0.16	0.2	0.02	7.9	<0.1	2.49	7	1.2	0.5
1626488	Drill Core	0.113	9	8	1.37	60	0.144	<20	1.74	0.088	0.14	0.3	0.02	7.1	<0.1	1.53	6	0.9	0.3
1626489	Drill Core	0.105	12	7	1.34	64	0.151	<20	1.68	0.112	0.14	0.3	<0.01	7.2	<0.1	0.55	6	0.5	<0.2
1626490	Rock	0.003	<1	<1	1.24	4	<0.001	<20	0.02	0.002	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
1626491	Drill Core	0.106	9	7	1.35	115	0.156	<20	1.89	0.061	0.13	0.3	<0.01	6.6	<0.1	1.32	6	0.6	0.2
1626492	Drill Core	0.116	11	8	1.12	69	0.149	<20	1.64	0.075	0.16	0.3	<0.01	5.6	<0.1	0.64	6	<0.5	<0.2
1626493	Drill Core	0.109	11	8	1.68	52	0.154	<20	1.96	0.053	0.11	0.3	<0.01	7.8	<0.1	0.64	7	<0.5	<0.2
1626494	Drill Core	0.107	11	6	1.91	45	0.175	<20	2.11	0.055	0.12	0.4	0.01	8.4	<0.1	0.73	7	0.7	<0.2
1626495	Drill Core	0.102	11	8	2.02	35	0.157	<20	2.04	0.040	0.10	0.3	0.01	9.4	<0.1	0.52	8	<0.5	<0.2
1626496	Drill Core	0.111	12	8	1.36	51	0.161	<20	1.83	0.059	0.12	0.2	0.02	7.2	<0.1	1.28	7	<0.5	0.2
1626497	Drill Core	0.108	12	8	1.33	50	0.156	<20	1.74	0.068	0.12	0.3	0.02	8.2	<0.1	1.35	7	<0.5	0.2
1626498	Drill Core	0.109	11	8	1.42	50	0.174	<20	2.03	0.056	0.11	0.3	0.02	8.5	<0.1	1.54	7	1.1	<0.2
1626499	Drill Core	0.107	10	8	1.32	59	0.166	<20	2.00	0.064	0.13	0.3	0.03	8.4	<0.1	2.04	7	1.3	<0.2
1626500	Rock Pulp	0.068	4	26	0.55	63	0.028	<20	1.54	0.052	0.33	1.5	0.05	2.5	0.3	3.25	4	4.8	0.7
1626501	Drill Core	0.101	9	8	1.33	82	0.155	<20	1.75	0.088	0.15	0.3	0.03	8.0	<0.1	2.21	6	1.9	0.3
1626502	Drill Core	0.105	10	8	1.67	73	0.189	<20	2.24	0.103	0.15	0.3	0.02	10.1	<0.1	1.36	7	0.9	<0.2
1626503	Drill Core	0.101	10	8	1.36	108	0.148	<20	1.99	0.133	0.20	0.3	0.03	8.9	<0.1	2.01	6	1.4	<0.2
1626504	Drill Core	0.104	12	8	1.50	76	0.168	<20	1.96	0.110	0.14	0.3	0.02	8.8	<0.1	1.16	6	0.7	<0.2
1626505	Drill Core	0.106	10	8	1.78	69	0.177	<20	2.04	0.083	0.18	0.3	0.02	10.4	<0.1	1.79	7	1.7	0.3
1626506	Drill Core	0.104	10	7	1.83	69	0.174	<20	2.10	0.082	0.16	0.3	0.02	10.1	<0.1	1.78	8	1.2	<0.2
1626507	Drill Core	0.107	9	8	1.99	79	0.176	<20	2.38	0.074	0.16	0.3	0.02	9.9	<0.1	1.85	9	0.9	0.2
1626508	Drill Core	0.110	11	8	1.85	42	0.164	<20	2.13	0.053	0.11	0.2	0.01	10.7	<0.1	1.04	8	<0.5	0.3
1626509	Drill Core	0.107	10	7	1.66	49	0.169	<20	2.02	0.056	0.14	0.3	0.01	9.1	<0.1	1.10	7	0.6	<0.2
1626510	Drill Core	0.104	7	7	1.62	81	0.172	<20	1.97	0.062	0.19	0.4	0.02	8.0	<0.1	2.01	7	1.2	<0.2



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Project: North_Rok
 Report Date: June 02, 2014

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CERTIFICATE OF ANALYSIS

SMI14000244.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626511	Drill Core	5.36	0.016	4.1	54.3	4.3	61	0.2	4.0	12.9	559	3.99	3.8	10.0	6.2	339	<0.1	0.1	0.5	116	1.01
1626512	Drill Core	5.53	0.010	2.3	37.3	4.1	73	0.1	4.1	12.0	701	4.01	6.6	8.5	6.2	211	<0.1	0.2	0.4	114	1.33
1626513	Drill Core	5.77	0.014	2.8	39.7	8.3	73	0.1	4.1	13.7	674	3.90	4.3	10.5	6.2	260	<0.1	0.3	0.5	101	1.21
1626514	Drill Core	2.72	0.015	1.8	25.5	7.6	96	0.2	4.2	10.2	964	3.51	5.1	15.2	6.0	95	<0.1	0.3	0.5	71	2.21
1626515	Drill Core	5.59	0.014	1.9	35.0	6.1	131	0.2	2.9	14.1	1288	4.49	5.7	13.3	5.6	143	<0.1	0.3	0.5	125	2.64
1626516	Drill Core	6.06	0.015	2.6	21.0	9.1	135	0.1	1.9	13.4	1321	5.06	5.4	9.6	5.1	299	0.2	0.4	0.2	166	2.49
1626517	Drill Core	4.95	0.007	2.0	16.4	9.0	71	<0.1	1.9	9.8	710	3.99	7.0	5.9	7.2	44	0.1	0.3	0.3	106	1.57
1626518	Drill Core	5.63	0.012	2.0	27.8	10.4	78	<0.1	2.0	9.7	748	4.05	6.3	6.2	6.0	34	0.4	0.2	0.3	108	1.55
1626519	Drill Core	5.48	0.017	2.1	55.2	11.8	85	0.1	2.2	8.6	727	4.05	7.9	10.0	5.6	122	0.2	0.2	0.5	101	1.64
1626520	Rock Pulp	0.12	0.516	15.6	3599.6	101.2	880	3.9	13.9	12.2	690	4.55	27.4	560.1	2.2	55	4.6	0.9	1.4	26	0.77
1626521	Drill Core	5.50	0.019	2.5	31.4	9.4	87	<0.1	2.1	9.6	813	4.29	6.3	7.6	4.6	78	<0.1	0.1	0.6	93	1.35
1626522	Drill Core	5.07	0.015	2.2	29.8	66.6	112	0.2	2.2	10.3	752	4.36	5.0	13.8	4.9	48	0.3	0.1	0.5	102	1.07
1626523	Drill Core	5.14	0.015	2.8	20.2	26.0	103	0.2	1.7	8.8	658	3.82	4.8	7.9	6.4	43	0.2	0.2	0.5	67	0.79
1626524	Drill Core	3.37	0.008	1.9	18.8	5.4	81	0.1	1.6	8.2	708	3.71	3.3	5.3	6.9	45	<0.1	0.1	0.4	77	0.94
1626525	Drill Core	2.43	0.008	1.9	16.2	5.6	79	0.1	1.8	10.0	696	3.66	3.0	4.6	6.7	41	<0.1	0.1	0.4	75	0.89
1626526	Drill Core	5.16	0.009	3.0	18.8	25.5	96	0.1	2.1	9.3	590	3.94	3.0	6.1	6.1	219	1.8	0.1	0.5	83	0.89
1626527	Drill Core	3.84	0.010	1.5	16.7	10.1	71	0.2	2.0	8.9	568	4.25	5.0	7.9	5.4	130	<0.1	0.1	0.6	82	0.94
1626528	Drill Core	4.98	0.009	1.7	24.6	8.8	86	0.1	2.1	9.5	674	4.20	4.9	7.7	5.7	88	0.5	0.2	0.5	92	1.38
1626529	Drill Core	4.14	0.017	3.0	86.8	5.5	213	0.4	3.7	13.4	973	4.26	4.2	15.3	5.1	60	1.2	0.2	1.0	81	2.73
1626530	Drill Core	5.14	0.015	1.6	36.9	5.9	122	0.2	7.0	15.1	1097	4.58	5.0	11.9	4.5	71	<0.1	0.3	0.5	88	4.68
1626531	Drill Core	6.69	0.010	3.1	40.7	7.2	130	0.1	6.1	15.8	1024	5.25	4.8	9.2	4.2	139	<0.1	0.2	0.4	131	2.97
1626532	Drill Core	4.18	0.009	2.0	36.4	7.9	83	0.1	4.9	15.0	914	4.80	4.6	5.8	5.0	129	<0.1	0.2	0.2	122	2.15
1626533	Drill Core	5.90	0.015	2.5	63.5	8.3	78	0.1	4.7	15.1	843	4.67	5.9	8.4	4.5	95	<0.1	0.1	0.2	121	1.87
1626534	Drill Core	4.75	0.014	3.8	68.8	16.5	109	0.2	4.3	14.2	817	4.70	8.5	10.2	4.8	207	0.4	0.1	0.2	127	1.61
1626535	Drill Core	6.03	0.021	2.1	35.9	11.9	72	0.1	2.8	11.0	541	4.05	8.4	16.5	5.8	86	0.9	<0.1	0.3	96	1.50
1626536	Drill Core	5.62	0.010	2.7	64.1	17.6	86	0.1	1.8	9.1	485	3.98	6.1	6.3	7.0	91	0.3	<0.1	0.4	94	1.18
1626537	Drill Core	5.57	0.008	2.4	33.6	10.1	76	<0.1	1.9	11.1	477	4.34	9.0	7.1	5.5	62	<0.1	<0.1	0.3	105	1.72
1626538	Drill Core	5.65	<0.005	1.7	30.0	10.1	71	0.1	2.5	9.4	687	3.34	6.2	3.6	6.1	120	0.4	0.2	0.2	92	3.09
1626539	Drill Core	5.31	<0.005	2.0	62.6	13.4	91	<0.1	2.8	9.6	639	3.26	6.2	3.8	6.1	156	0.4	0.3	0.2	93	1.78
1626540	Rock Pulp	0.12	0.320	250.7	2517.3	84.3	449	2.8	14.0	10.7	735	4.46	28.5	348.1	3.3	57	2.4	1.6	1.2	29	0.77

CERTIFICATE OF ANALYSIS

SMI14000244.1

Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
1626511	Drill Core	0.105	9	8	1.71	97	0.172	<20	2.13	0.096	0.23	0.3	<0.01	9.6	<0.1	1.52	7	1.4	<0.2
1626512	Drill Core	0.106	11	8	2.03	57	0.153	<20	2.31	0.060	0.17	0.3	0.02	9.7	<0.1	0.95	7	0.7	<0.2
1626513	Drill Core	0.098	11	8	1.80	169	0.149	<20	2.09	0.063	0.19	0.3	0.03	8.7	<0.1	1.44	7	1.1	<0.2
1626514	Drill Core	0.106	13	9	1.36	88	0.024	<20	1.74	0.026	0.29	<0.1	0.05	6.7	0.1	1.28	5	0.8	<0.2
1626515	Drill Core	0.130	16	5	1.59	106	0.054	<20	2.07	0.072	0.26	<0.1	0.03	9.7	<0.1	1.22	6	0.9	<0.2
1626516	Drill Core	0.144	12	5	1.99	103	0.191	<20	2.36	0.074	0.17	0.2	0.04	12.2	<0.1	0.89	9	1.0	<0.2
1626517	Drill Core	0.101	12	7	1.19	109	0.201	<20	2.03	0.066	0.16	0.2	0.02	7.2	<0.1	1.61	9	1.4	<0.2
1626518	Drill Core	0.107	10	5	1.24	90	0.205	<20	1.96	0.048	0.13	0.2	0.03	7.6	<0.1	1.63	8	2.2	<0.2
1626519	Drill Core	0.101	9	7	1.28	127	0.193	<20	2.04	0.071	0.23	0.2	0.04	6.6	<0.1	1.74	8	0.9	<0.2
1626520	Rock Pulp	0.067	3	23	0.50	57	0.024	<20	1.38	0.046	0.27	1.3	0.04	2.5	0.3	2.95	3	4.3	0.6
1626521	Drill Core	0.112	6	4	1.41	133	0.127	<20	1.77	0.044	0.13	0.1	0.02	6.1	<0.1	1.55	7	1.4	<0.2
1626522	Drill Core	0.115	8	4	1.52	105	0.143	<20	1.76	0.059	0.15	0.2	0.02	6.7	<0.1	1.61	8	1.3	<0.2
1626523	Drill Core	0.102	4	4	1.80	58	0.100	<20	1.98	0.028	0.14	0.2	0.02	4.8	<0.1	1.84	7	1.2	<0.2
1626524	Drill Core	0.094	6	3	1.55	75	0.094	<20	1.71	0.048	0.18	0.1	0.02	5.3	<0.1	1.48	7	1.3	<0.2
1626525	Drill Core	0.100	6	3	1.52	75	0.090	<20	1.69	0.037	0.15	0.1	0.02	5.1	<0.1	1.39	7	1.8	<0.2
1626526	Drill Core	0.104	6	4	1.33	82	0.135	<20	1.53	0.055	0.15	0.2	0.04	5.7	<0.1	1.98	6	1.5	<0.2
1626527	Drill Core	0.106	6	4	1.37	71	0.121	<20	1.65	0.061	0.16	0.1	0.01	5.7	<0.1	2.55	6	2.0	0.2
1626528	Drill Core	0.102	7	4	1.40	143	0.148	<20	1.75	0.058	0.17	0.2	0.04	6.6	<0.1	1.96	7	2.4	<0.2
1626529	Drill Core	0.131	12	5	1.81	87	0.033	<20	2.10	0.030	0.24	<0.1	0.08	5.9	<0.1	1.33	7	0.7	<0.2
1626530	Drill Core	0.152	14	17	1.59	90	0.055	<20	2.13	0.020	0.24	<0.1	0.03	8.5	<0.1	0.95	6	0.6	<0.2
1626531	Drill Core	0.152	11	19	1.98	82	0.159	<20	2.43	0.049	0.18	0.2	0.03	10.5	<0.1	0.88	8	0.6	<0.2
1626532	Drill Core	0.167	12	7	1.59	46	0.160	<20	2.07	0.046	0.11	0.2	0.09	6.6	<0.1	0.78	7	1.0	<0.2
1626533	Drill Core	0.162	12	6	1.45	92	0.163	<20	1.92	0.047	0.11	0.2	0.01	6.1	<0.1	1.11	7	1.1	<0.2
1626534	Drill Core	0.178	12	5	1.67	56	0.197	<20	2.13	0.062	0.10	0.3	0.02	7.3	<0.1	1.31	8	1.2	<0.2
1626535	Drill Core	0.126	8	5	1.28	53	0.156	<20	2.02	0.049	0.12	0.2	0.02	6.8	<0.1	1.78	7	0.8	<0.2
1626536	Drill Core	0.105	8	4	1.45	71	0.170	<20	1.88	0.047	0.15	0.2	0.03	7.1	<0.1	2.16	7	2.3	<0.2
1626537	Drill Core	0.128	8	4	1.42	103	0.200	<20	2.42	0.046	0.15	0.2	<0.01	8.0	<0.1	2.05	8	1.7	<0.2
1626538	Drill Core	0.103	14	5	0.96	102	0.147	<20	2.77	0.031	0.14	0.4	0.04	6.2	<0.1	0.55	8	<0.5	<0.2
1626539	Drill Core	0.099	12	5	0.95	65	0.121	<20	1.54	0.070	0.14	0.4	0.01	6.2	<0.1	0.73	6	<0.5	<0.2
1626540	Rock Pulp	0.075	4	19	0.58	63	0.035	<20	1.53	0.048	0.27	1.1	0.06	2.3	0.2	2.13	4	3.2	0.8

CERTIFICATE OF ANALYSIS

SMI14000244.1

	Method Analyte Unit MDL	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
1626541	Drill Core	6.09	0.014	24.8	46.3	18.7	64	0.2	2.5	11.1	544	3.46	7.5	8.9	6.3	82	0.3	0.2	0.5	55	3.14
1626542	Drill Core	5.60	0.008	8.0	53.9	11.8	73	0.2	2.5	9.7	507	3.12	6.4	5.0	7.8	66	0.2	0.2	0.4	83	1.43
1626543	Drill Core	6.43	0.008	4.2	45.2	11.0	81	0.1	2.6	9.2	449	3.08	6.2	8.5	6.1	96	0.4	0.2	0.2	95	1.01
1626544	Drill Core	5.65	0.008	3.1	44.8	11.4	75	<0.1	2.5	8.1	431	2.79	7.9	5.2	6.3	114	0.6	0.2	0.2	90	1.03
1626545	Drill Core	5.77	0.008	2.6	59.6	10.8	87	0.1	2.9	9.6	442	3.31	8.5	7.4	7.1	188	0.6	0.3	0.4	100	1.16
1626546	Drill Core	5.67	0.008	2.2	61.3	8.1	68	0.1	3.1	10.6	544	3.58	7.5	7.5	7.3	281	0.2	0.2	0.6	95	1.94
1626547	Drill Core	5.74	0.015	3.8	57.0	8.8	71	0.1	3.4	11.5	484	3.80	5.3	19.1	6.7	161	0.2	0.2	0.7	90	2.04
1626548	Drill Core	5.70	0.019	4.8	82.4	8.7	75	0.2	3.6	11.2	554	3.78	5.6	14.8	7.0	235	0.3	0.2	0.5	111	1.72
1626549	Drill Core	5.49	0.021	6.3	95.4	20.4	101	0.1	7.6	9.3	287	3.32	5.6	17.3	8.8	156	0.8	0.2	0.7	63	1.45
1626550	Rock	1.85	<0.005	<0.1	0.9	<0.1	2	<0.1	0.4	<0.1	27	0.04	<0.5	<0.5	<0.1	4098	<0.1	<0.1	<0.1	<2	38.81
1626551	Drill Core	5.70	0.026	8.0	72.4	4.4	28	<0.1	10.9	8.5	179	3.53	4.6	14.6	9.8	42	<0.1	<0.1	0.7	35	0.83
1626552	Drill Core	5.25	0.016	9.6	32.8	6.9	34	<0.1	10.6	8.1	179	3.33	3.5	9.2	9.7	34	<0.1	<0.1	0.7	51	0.64
1626553	Drill Core	5.71	0.021	5.5	61.4	5.2	44	<0.1	2.2	9.3	348	4.15	5.0	13.2	6.5	204	<0.1	0.1	0.6	96	1.12
1626554	Drill Core	5.89	0.031	5.5	76.7	6.7	56	0.1	8.5	13.1	647	5.23	7.0	27.9	4.4	364	<0.1	0.2	0.4	140	1.49
1626555	Drill Core	5.49	0.029	4.9	91.4	6.7	73	0.2	5.5	15.3	650	5.00	5.4	17.4	5.9	751	0.2	0.2	0.5	144	1.35
1626556	Drill Core	4.61	0.029	4.2	76.3	16.2	110	0.2	5.7	14.4	681	5.38	5.4	16.8	5.3	352	0.7	0.2	0.4	150	1.92
1626557	Drill Core	5.56	0.028	3.4	84.8	12.4	61	0.2	2.2	9.6	267	4.11	5.6	17.7	5.1	231	0.4	0.2	0.5	86	1.31
1626558	Drill Core	5.90	0.015	4.0	63.8	7.3	53	0.1	2.0	10.2	473	4.26	6.6	18.5	5.3	185	0.2	0.1	0.5	111	1.42
1626559	Drill Core	5.70	0.024	4.9	117.4	7.5	69	0.2	2.2	11.1	523	4.87	7.1	14.9	5.2	285	0.2	0.1	0.5	109	1.43
1626560	Rock Pulp	0.12	0.339	259.0	2467.6	79.8	448	2.6	14.4	11.2	741	4.39	27.8	202.4	3.3	53	2.2	1.3	1.2	29	0.77
1626561	Drill Core	5.75	0.012	12.1	82.0	5.2	72	<0.1	2.0	10.3	638	4.49	4.4	7.2	5.2	387	<0.1	<0.1	0.2	105	1.60
1626562	Drill Core	6.49	0.027	9.1	67.6	7.6	79	0.1	2.1	8.6	460	4.15	7.4	20.6	6.0	355	<0.1	0.1	0.4	73	1.34

CERTIFICATE OF ANALYSIS

SMI14000244.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1626541	Drill Core	0.104	10	4	0.87	39	0.103	<20	2.24	0.021	0.15	0.5	0.02	4.9	<0.1	1.86	5	1.7	0.3	
1626542	Drill Core	0.093	10	6	0.99	52	0.122	<20	1.45	0.066	0.12	0.4	<0.01	5.8	<0.1	1.06	6	0.9	<0.2	
1626543	Drill Core	0.101	11	5	0.80	48	0.102	<20	1.28	0.072	0.10	0.4	0.01	4.3	<0.1	0.77	5	0.7	<0.2	
1626544	Drill Core	0.096	12	5	0.69	46	0.108	<20	1.27	0.083	0.11	0.5	0.01	3.7	<0.1	0.70	5	0.5	<0.2	
1626545	Drill Core	0.100	13	6	0.80	53	0.132	<20	1.42	0.094	0.12	0.5	0.02	6.0	<0.1	1.13	5	1.2	<0.2	
1626546	Drill Core	0.106	12	7	1.09	123	0.113	<20	1.71	0.090	0.20	0.3	0.02	7.8	<0.1	1.31	5	1.5	<0.2	
1626547	Drill Core	0.104	11	6	0.93	60	0.125	<20	1.40	0.077	0.17	0.4	0.02	7.4	<0.1	1.87	5	1.7	<0.2	
1626548	Drill Core	0.102	12	7	1.15	76	0.141	<20	1.80	0.127	0.16	0.3	0.02	8.6	<0.1	1.27	6	1.1	<0.2	
1626549	Drill Core	0.091	9	15	1.07	87	0.112	<20	1.49	0.064	0.26	0.2	0.07	6.0	0.1	2.10	5	3.2	<0.2	
1626550	Rock	0.004	<1	<1	1.43	4	<0.001	<20	0.02	0.002	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	0.2	
1626551	Drill Core	0.072	9	16	0.91	87	0.066	<20	1.15	0.037	0.28	0.3	0.02	3.7	0.1	3.19	4	4.2	<0.2	
1626552	Drill Core	0.069	8	24	1.08	74	0.105	<20	1.17	0.044	0.19	0.5	0.02	4.3	<0.1	2.89	5	3.5	<0.2	
1626553	Drill Core	0.105	8	4	1.42	68	0.170	<20	1.71	0.072	0.16	0.4	0.02	7.7	<0.1	2.53	7	1.8	0.2	
1626554	Drill Core	0.134	7	22	1.36	71	0.193	<20	2.08	0.081	0.13	0.3	0.02	8.3	<0.1	1.76	8	1.7	<0.2	
1626555	Drill Core	0.159	10	10	1.71	87	0.240	<20	2.17	0.092	0.13	0.3	0.02	9.8	<0.1	1.89	7	1.9	<0.2	
1626556	Drill Core	0.159	10	10	1.83	64	0.225	<20	2.32	0.065	0.14	0.3	0.06	10.6	<0.1	1.51	7	1.4	<0.2	
1626557	Drill Core	0.117	8	5	1.15	72	0.152	<20	1.67	0.049	0.22	0.2	0.04	7.1	<0.1	2.52	6	3.1	<0.2	
1626558	Drill Core	0.118	10	5	1.27	52	0.182	<20	1.77	0.058	0.12	0.6	0.01	6.9	<0.1	1.39	7	1.1	<0.2	
1626559	Drill Core	0.109	8	5	1.42	68	0.183	<20	1.82	0.061	0.12	0.2	0.01	7.3	<0.1	1.88	8	1.3	<0.2	
1626560	Rock Pulp	0.069	4	21	0.57	63	0.037	<20	1.55	0.047	0.27	1.5	0.05	2.5	0.2	2.12	4	3.2	0.5	
1626561	Drill Core	0.109	10	5	1.66	61	0.150	<20	2.00	0.058	0.15	<0.1	0.02	7.9	<0.1	0.92	7	0.6	<0.2	
1626562	Drill Core	0.105	7	4	1.74	88	0.089	<20	2.14	0.035	0.24	<0.1	0.02	5.6	<0.1	1.35	6	0.9	<0.2	

QUALITY CONTROL REPORT

SMI14000244.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
1626467	Drill Core	4.98	0.022	2.1	22.0	72.8	116	0.8	4.5	14.7	789	4.15	9.5	14.9	5.5	140	0.8	0.3	2.4	83	1.99
REP 1626467	QC			2.0	22.1	76.2	112	0.8	4.0	15.1	800	4.23	9.6	15.1	5.7	147	0.7	0.3	2.4	83	2.04
1626492	Drill Core	7.71	0.011	2.1	28.4	5.2	63	<0.1	3.9	10.6	623	3.32	5.8	4.5	5.6	239	<0.1	0.3	0.2	111	1.44
REP 1626492	QC		0.005																		
1626502	Drill Core	4.78	0.015	4.0	77.4	5.4	94	0.1	4.4	12.6	709	3.76	6.2	14.7	5.9	550	0.2	0.2	0.9	126	1.31
REP 1626502	QC			4.2	79.3	5.2	92	0.1	4.1	12.1	696	3.67	6.0	15.2	5.7	535	0.1	0.2	0.9	123	1.28
1626503	Drill Core	4.50	0.021	1.7	83.1	12.1	75	0.1	3.8	12.3	590	3.63	6.0	19.3	6.0	311	0.6	0.2	0.9	109	1.44
REP 1626503	QC		0.019																		
1626537	Drill Core	5.57	0.008	2.4	33.6	10.1	76	<0.1	1.9	11.1	477	4.34	9.0	7.1	5.5	62	<0.1	<0.1	0.3	105	1.72
REP 1626537	QC			2.6	33.4	10.0	74	0.1	1.8	10.9	467	4.26	8.8	6.3	5.6	61	0.1	<0.1	0.3	102	1.67
1626557	Drill Core	5.56	0.028	3.4	84.8	12.4	61	0.2	2.2	9.6	267	4.11	5.6	17.7	5.1	231	0.4	0.2	0.5	86	1.31
REP 1626557	QC		0.025																		
REP 1626562	QC			7.9	69.5	7.6	80	0.2	2.6	8.5	476	4.36	7.7	23.7	6.0	382	<0.1	0.1	0.3	75	1.41
Core Reject Duplicates																					
1626486	Drill Core	7.93	0.047	1.7	96.9	7.3	64	0.1	4.1	11.6	516	4.23	4.0	36.0	5.6	249	<0.1	0.2	2.0	83	0.63
DUP 1626486	QC		0.056	1.9	98.4	7.6	65	0.2	4.1	12.0	516	4.36	4.0	31.8	5.3	263	0.1	0.2	2.1	84	0.65
1626524	Drill Core	3.37	0.008	1.9	18.8	5.4	81	0.1	1.6	8.2	708	3.71	3.3	5.3	6.9	45	<0.1	0.1	0.4	77	0.94
DUP 1626524	QC		0.008	1.5	18.2	5.7	81	<0.1	2.1	7.6	695	3.68	3.2	4.7	6.9	47	<0.1	<0.1	0.4	78	0.90
1626562	Drill Core	6.49	0.027	9.1	67.6	7.6	79	0.1	2.1	8.6	460	4.15	7.4	20.6	6.0	355	<0.1	0.1	0.4	73	1.34
DUP 1626562	QC		0.030	8.0	64.7	7.1	77	0.2	2.5	8.4	455	4.16	7.5	22.9	5.9	366	<0.1	0.1	0.3	70	1.34
Reference Materials																					
STD DS10	Standard			13.1	156.1	158.6	358	1.8	77.6	12.5	881	2.64	44.7	85.4	7.4	66	2.6	8.4	12.9	40	1.01
STD DS10	Standard			14.6	160.7	168.2	386	1.7	76.0	12.8	850	2.71	47.5	50.3	8.7	70	2.5	8.1	13.6	44	1.04
STD DS10	Standard			11.3	152.4	164.9	370	1.8	77.0	13.1	854	2.63	47.3	59.4	7.4	67	2.5	8.7	14.2	40	1.03
STD DS10	Standard			12.7	155.1	144.6	361	1.9	72.9	12.2	867	2.66	47.3	61.5	7.0	69	2.9	9.1	13.2	41	1.01
STD OREAS45EA	Standard			1.6	704.4	17.0	31	0.3	390.4	51.3	413	22.41	10.8	54.1	12.3	4	<0.1	0.4	0.3	302	0.04
STD OREAS45EA	Standard			1.5	693.6	17.5	32	0.3	393.1	50.1	410	22.13	11.8	56.3	12.6	4	<0.1	0.3	0.3	305	0.04
STD OREAS45EA	Standard			1.4	637.3	17.0	28	0.2	343.2	49.9	395	21.09	8.5	52.8	12.1	4	<0.1	0.4	0.3	283	0.03

QUALITY CONTROL REPORT

SMI14000244.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
1626467	Drill Core	0.097	9	6	1.33	51	0.086	<20	1.87	0.035	0.21	0.2	0.04	6.0	<0.1	3.15	7	2.9	0.4
REP 1626467	QC	0.101	10	6	1.35	54	0.086	<20	1.90	0.037	0.22	0.3	0.05	6.0	<0.1	3.20	7	3.6	0.5
1626492	Drill Core	0.116	11	8	1.12	69	0.149	<20	1.64	0.075	0.16	0.3	<0.01	5.6	<0.1	0.64	6	<0.5	<0.2
REP 1626492	QC																		
1626502	Drill Core	0.105	10	8	1.67	73	0.189	<20	2.24	0.103	0.15	0.3	0.02	10.1	<0.1	1.36	7	0.9	<0.2
REP 1626502	QC	0.100	10	8	1.70	74	0.181	<20	2.22	0.100	0.14	0.2	0.02	10.0	<0.1	1.33	7	0.9	<0.2
1626503	Drill Core	0.101	10	8	1.36	108	0.148	<20	1.99	0.133	0.20	0.3	0.03	8.9	<0.1	2.01	6	1.4	<0.2
REP 1626503	QC																		
1626537	Drill Core	0.128	8	4	1.42	103	0.200	<20	2.42	0.046	0.15	0.2	<0.01	8.0	<0.1	2.05	8	1.7	<0.2
REP 1626537	QC	0.123	7	4	1.39	104	0.196	<20	2.41	0.045	0.15	0.2	<0.01	7.6	<0.1	2.02	8	1.7	<0.2
1626557	Drill Core	0.117	8	5	1.15	72	0.152	<20	1.67	0.049	0.22	0.2	0.04	7.1	<0.1	2.52	6	3.1	<0.2
REP 1626557	QC																		
REP 1626562	QC	0.107	8	5	1.78	92	0.088	<20	2.25	0.040	0.28	<0.1	0.02	5.7	<0.1	1.40	7	1.3	<0.2
Core Reject Duplicates																			
1626486	Drill Core	0.104	6	6	1.33	85	0.100	<20	1.68	0.067	0.17	0.1	0.04	6.5	<0.1	3.02	6	1.9	0.5
DUP 1626486	QC	0.103	6	7	1.32	87	0.094	<20	1.63	0.069	0.18	0.1	0.03	6.0	<0.1	3.14	6	1.6	0.4
1626524	Drill Core	0.094	6	3	1.55	75	0.094	<20	1.71	0.048	0.18	0.1	0.02	5.3	<0.1	1.48	7	1.3	<0.2
DUP 1626524	QC	0.105	6	4	1.52	75	0.095	<20	1.67	0.047	0.17	0.1	0.01	5.2	<0.1	1.46	7	1.5	<0.2
1626562	Drill Core	0.105	7	4	1.74	88	0.089	<20	2.14	0.035	0.24	<0.1	0.02	5.6	<0.1	1.35	6	0.9	<0.2
DUP 1626562	QC	0.104	7	4	1.67	90	0.083	<20	2.13	0.038	0.26	<0.1	0.02	5.5	<0.1	1.34	6	0.8	<0.2
Reference Materials																			
STD DS10	Standard	0.072	17	54	0.75	399	0.076	<20	1.00	0.063	0.32	3.2	0.26	2.7	5.2	0.27	4	2.1	4.6
STD DS10	Standard	0.075	19	55	0.77	415	0.082	<20	1.02	0.066	0.33	2.8	0.30	2.8	5.2	0.28	4	2.1	5.0
STD DS10	Standard	0.080	16	53	0.74	396	0.067	<20	0.93	0.058	0.31	3.0	0.33	2.7	5.0	0.27	4	2.2	5.0
STD DS10	Standard	0.078	16	52	0.74	410	0.076	<20	0.98	0.061	0.33	3.3	0.26	2.9	4.3	0.27	4	2.2	4.6
STD OREAS45EA	Standard	0.028	8	874	0.09	152	0.099	<20	3.05	0.017	0.05	<0.1	<0.01	79.3	<0.1	<0.05	12	0.6	<0.2
STD OREAS45EA	Standard	0.028	8	843	0.09	152	0.100	<20	3.40	0.020	0.06	<0.1	0.02	76.9	<0.1	<0.05	13	0.6	<0.2
STD OREAS45EA	Standard	0.028	7	804	0.09	157	0.089	<20	2.79	0.016	0.05	<0.1	<0.01	74.0	<0.1	<0.05	11	<0.5	<0.2



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Project: North_Rok
 Report Date: June 02, 2014

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Part: 1 of 2

QUALITY CONTROL REPORT

SMI14000244.1

		WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
STD OREAS45EA	Standard			1.8	687.8	14.6	29	0.2	373.1	51.0	411	22.33	10.1	54.5	10.7	4	<0.1	0.3	0.3	297	0.04
STD OXD108	Standard		0.422																		
STD OXD108	Standard		0.417																		
STD OXI96	Standard		1.798																		
STD OXI96	Standard		1.772																		
STD OXN117	Standard		7.502																		
STD OXN117	Standard		7.562																		
STD OXD108 Expected			0.414																		
STD OXI96 Expected			1.802																		
STD OXN117 Expected			7.679																		
STD DS10 Expected				14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625
STD OREAS45EA Expected				1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036
BLK	Blank		<0.005																		
BLK	Blank		0.007																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1-SMI	Prep Blank		0.006	0.1	3.9	3.9	49	<0.1	2.8	3.8	555	1.85	<0.5	<0.5	9.8	65	<0.1	<0.1	<0.1	37	0.49
G1-SMI	Prep Blank		<0.005	<0.1	2.9	3.4	42	<0.1	2.2	3.6	529	1.75	<0.5	<0.5	6.6	57	<0.1	<0.1	<0.1	35	0.44



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Project: North_Rok
Report Date: June 02, 2014

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Part: 2 of 2

QUALITY CONTROL REPORT

SMI14000244.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
STD OREAS45EA	Standard	0.029	7	842	0.09	144	0.096	<20	2.98	0.016	0.05	<0.1	<0.01	80.6	<0.1	<0.05	11	<0.5	<0.2	
STD OXD108	Standard																			
STD OXD108	Standard																			
STD OXI96	Standard																			
STD OXI96	Standard																			
STD OXN117	Standard																			
STD OXN117	Standard																			
STD OXD108 Expected																				
STD OXI96 Expected																				
STD OXN117 Expected																				
STD DS10 Expected		0.073	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01	
STD OREAS45EA Expected		0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053			78	0.072	0.036	11.7	0.6	0.07	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																				
G1-SMI	Prep Blank	0.066	16	7	0.48	161	0.136	<20	0.95	0.096	0.49	<0.1	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2	
G1-SMI	Prep Blank	0.067	13	7	0.46	150	0.120	<20	0.87	0.080	0.45	<0.1	<0.01	2.2	0.3	<0.05	4	<0.5	<0.2	



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West Kelowna BC V4T 2N6 CANADA

Submitted By: Greg Dawson
Receiving Lab: Canada-Smithers
Received: May 26, 2014
Report Date: June 10, 2014
Page: 1 of 7

CERTIFICATE OF ANALYSIS

SMI14000250.1

CLIENT JOB INFORMATION

Project: North_Rok
Shipment ID: 14-2
P.O. Number
Number of Samples: 174

SAMPLE DISPOSAL

RTRN-PLP Return
STOR-RJT Store After 90 days Invoice for Storage

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

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

CC: Gilles Dessureau
Allan Jacobs

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	166	Crush, split and pulverize 250 g rock to 200 mesh			SMI
FA430	174	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
AQ200	174	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
7AR	1	1:1:1 Aqua Regia Digestion ICP-ES Finish	0.4	Completed	VAN

ADDITIONAL COMMENTS



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

CERTIFICATE OF ANALYSIS

SMI14000250.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626563	Drill Core	1.14	<0.005	0.8	51.7	3.4	40	0.3	8.2	12.1	433	3.97	18.4	1.7	2.1	46	0.1	0.7	0.2	184	0.91
1626564	Drill Core	2.95	0.009	5.1	230.4	5.1	80	0.1	4.3	16.8	599	4.18	34.6	6.4	0.9	29	0.2	0.7	0.5	128	0.92
1626565	Drill Core	5.55	0.011	7.2	93.1	13.8	48	<0.1	5.5	25.4	368	4.09	36.8	6.6	1.2	66	0.2	0.7	0.7	117	1.14
1626566	Drill Core	2.29	0.011	5.5	212.9	7.5	61	<0.1	5.8	18.8	453	4.01	39.3	7.6	1.2	35	0.2	0.7	0.5	135	1.02
1626567	Drill Core	3.64	0.011	4.8	171.2	5.6	63	<0.1	4.5	17.4	458	4.41	42.0	7.2	1.2	37	0.2	0.5	0.7	136	1.23
1626568	Drill Core	1.07	0.009	9.0	251.6	7.6	67	0.1	7.6	15.5	569	3.94	49.9	5.2	1.7	27	0.2	0.9	0.6	101	1.05
1626569	Drill Core	1.90	0.010	4.8	184.5	7.7	65	<0.1	4.9	23.7	496	4.57	54.4	8.0	1.3	39	0.2	0.5	0.7	125	1.02
1626570	Drill Core	2.21	0.010	5.9	125.5	6.7	81	<0.1	4.9	26.5	533	4.01	48.5	7.3	1.2	42	<0.1	0.5	0.7	129	1.77
1626571	Drill Core	2.06	0.010	11.4	210.6	15.6	83	0.1	4.6	25.1	516	3.98	36.2	5.6	1.2	52	0.2	0.5	0.8	134	2.44
1626572	Drill Core	3.35	0.007	3.8	123.2	6.2	76	<0.1	2.0	14.2	529	3.37	33.6	6.1	0.7	46	0.1	0.9	0.5	109	1.10
1626573	Drill Core	1.78	0.008	1.5	164.6	4.9	82	<0.1	2.1	18.1	565	4.16	39.2	5.0	0.5	35	0.1	0.6	0.5	129	0.98
1626574	Drill Core	1.67	0.010	2.4	215.9	4.6	91	<0.1	1.7	19.6	668	4.56	40.1	6.8	0.8	53	0.2	0.4	0.4	121	1.61
1626575	Drill Core	1.52	0.009	2.8	198.0	4.6	87	<0.1	1.6	18.4	662	4.49	37.4	4.7	0.7	41	0.1	0.5	0.4	116	1.38
1626576	Drill Core	2.53	0.006	1.6	93.7	2.5	71	<0.1	1.6	15.1	555	4.27	29.8	4.1	0.8	56	<0.1	0.4	0.2	122	1.33
1626577	Drill Core	1.19	0.006	1.0	30.7	6.9	61	<0.1	2.3	26.3	477	4.54	36.4	3.9	1.1	45	<0.1	0.4	0.7	96	1.35
1626578	Drill Core	0.63	<0.005	0.3	107.6	2.0	67	0.5	2.0	10.5	534	3.10	29.7	1.0	1.2	23	<0.1	0.3	0.3	74	0.98
1626579	Drill Core	2.24	0.015	2.1	272.2	2.6	53	<0.1	1.8	16.8	407	3.50	35.0	9.6	0.7	101	<0.1	0.7	0.3	70	1.59
1626580	Rock Pulp	0.13	0.324	277.3	2426.3	76.5	446	2.4	12.8	11.0	742	4.26	27.8	208.3	3.1	53	2.7	1.3	1.1	29	0.78
1626581	Drill Core	5.10	0.013	6.6	180.9	4.4	56	0.1	1.4	17.2	486	3.48	27.0	11.5	0.5	178	<0.1	0.5	0.5	88	4.14
1626582	Drill Core	4.45	0.010	4.3	82.8	9.1	49	<0.1	5.6	16.5	322	3.65	31.9	7.2	1.0	93	0.2	0.4	0.7	79	2.52
1626583	Drill Core	5.30	0.010	6.9	42.9	17.8	39	<0.1	4.7	16.5	321	4.18	20.7	4.6	1.0	72	0.1	0.3	0.8	59	2.06
1626584	Drill Core	5.03	0.011	17.1	41.7	10.0	44	<0.1	4.1	21.7	359	4.77	27.9	9.1	1.1	46	<0.1	0.4	0.9	92	1.35
1626585	Drill Core	5.19	0.010	3.1	95.6	11.4	52	<0.1	4.6	19.3	442	4.61	36.0	8.8	1.0	60	<0.1	0.3	0.7	119	2.16
1626586	Drill Core	4.43	0.009	1.3	170.0	10.6	72	<0.1	3.5	17.9	533	4.26	36.7	6.3	0.8	55	0.2	0.4	0.6	141	1.69
1626587	Drill Core	5.65	0.008	1.1	352.8	7.9	68	<0.1	3.1	15.4	620	4.01	24.3	6.7	0.6	55	0.3	0.5	0.4	143	2.49
1626588	Drill Core	4.47	0.007	1.5	104.9	9.4	84	<0.1	5.4	29.0	616	6.11	29.3	6.1	0.8	45	0.7	0.5	0.8	139	1.63
1626589	Drill Core	3.66	0.011	3.9	152.5	7.9	57	<0.1	4.4	19.1	534	4.69	31.6	9.2	0.9	68	0.2	0.6	0.6	161	1.97
1626590	Rock	1.69	<0.005	<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.1	24	0.04	<0.5	1.6	<0.1	3560	<0.1	<0.1	<0.1	<2	37.12
1626591	Drill Core	3.00	<0.005	1.3	208.1	8.3	65	<0.1	2.2	10.8	532	3.84	32.9	3.7	0.4	55	0.3	0.8	0.4	104	1.91
1626592	Drill Core	4.19	0.009	0.4	317.7	8.0	67	0.1	3.0	16.7	546	4.53	38.2	7.0	0.5	54	0.2	0.8	0.7	108	1.57



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Project: North_Rok
 Report Date: June 10, 2014

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CERTIFICATE OF ANALYSIS

SMI14000250.1

Method Analyte Unit MDL	AQ200 P %	AQ200 La ppm	AQ200 Cr ppm	AQ200 Mg %	AQ200 Ba ppm	AQ200 Ti %	AQ200 B ppm	AQ200 Al %	AQ200 Na %	AQ200 K %	AQ200 W ppm	AQ200 Hg ppm	AQ200 Sc ppm	AQ200 Ti ppm	AQ200 S %	AQ200 Ga ppm	AQ200 Se ppm	AQ200 Te ppm	AQ374 Cu %
1626563	Drill Core	0.123	4	10	1.78	74	0.172	<20	1.92	0.094	0.23	0.6	<0.01	10.4	0.1	0.11	7	<0.5	<0.2
1626564	Drill Core	0.170	3	4	2.33	30	0.176	<20	2.42	0.037	0.09	0.4	<0.01	9.3	<0.1	1.96	9	3.2	<0.2
1626565	Drill Core	0.148	3	6	1.71	28	0.154	<20	2.19	0.125	0.11	0.4	<0.01	9.1	<0.1	3.50	8	3.6	<0.2
1626566	Drill Core	0.143	4	7	2.00	26	0.177	<20	2.33	0.064	0.10	0.5	<0.01	11.0	<0.1	2.53	9	3.7	<0.2
1626567	Drill Core	0.137	3	7	1.66	44	0.147	<20	2.30	0.069	0.12	0.3	<0.01	11.7	<0.1	3.17	8	2.8	<0.2
1626568	Drill Core	0.227	5	3	2.24	15	0.247	<20	2.12	0.066	0.07	0.5	<0.01	9.2	<0.1	1.93	9	1.7	<0.2
1626569	Drill Core	0.157	5	6	1.71	41	0.209	<20	2.09	0.084	0.11	0.3	<0.01	10.5	<0.1	3.21	8	2.6	<0.2
1626570	Drill Core	0.165	3	9	1.93	19	0.186	<20	2.79	0.032	0.07	0.5	<0.01	10.7	<0.1	2.37	10	3.9	<0.2
1626571	Drill Core	0.166	3	4	1.91	20	0.172	<20	3.38	0.024	0.07	0.7	<0.01	10.9	<0.1	2.82	10	4.7	<0.2
1626572	Drill Core	0.193	3	2	1.66	25	0.135	<20	1.96	0.073	0.08	0.5	<0.01	7.1	<0.1	1.56	6	3.3	<0.2
1626573	Drill Core	0.189	3	2	1.50	54	0.121	<20	1.78	0.084	0.15	0.4	0.01	7.2	<0.1	1.93	6	3.2	<0.2
1626574	Drill Core	0.177	3	2	1.68	32	0.155	<20	2.31	0.036	0.08	0.4	0.01	8.0	<0.1	2.08	8	3.2	<0.2
1626575	Drill Core	0.180	3	2	1.64	31	0.153	<20	2.07	0.039	0.09	0.4	<0.01	7.9	<0.1	1.93	8	2.8	<0.2
1626576	Drill Core	0.177	3	2	2.01	27	0.198	<20	2.50	0.043	0.09	0.3	<0.01	7.9	<0.1	1.37	8	1.9	<0.2
1626577	Drill Core	0.158	4	2	1.96	10	0.168	<20	2.32	0.035	0.07	0.4	<0.01	5.5	<0.1	3.57	7	4.1	<0.2
1626578	Drill Core	0.196	2	2	2.05	10	0.152	<20	1.90	0.046	0.11	2.6	0.01	5.1	<0.1	1.44	7	2.0	<0.2
1626579	Drill Core	0.160	2	2	1.40	33	0.152	<20	2.33	0.027	0.06	0.4	<0.01	4.2	<0.1	1.77	7	3.0	<0.2
1626580	Rock Pulp	0.069	4	20	0.57	60	0.036	<20	1.58	0.047	0.28	1.7	0.04	2.1	0.3	2.07	4	4.1	0.7
1626581	Drill Core	0.170	2	2	1.66	10	0.119	<20	5.03	0.006	0.05	0.4	0.02	4.6	<0.1	1.62	11	2.8	<0.2
1626582	Drill Core	0.129	2	6	1.41	24	0.143	<20	3.33	0.021	0.17	0.4	0.01	5.4	<0.1	3.13	7	5.2	<0.2
1626583	Drill Core	0.130	2	5	1.45	21	0.119	<20	2.76	0.022	0.11	0.4	<0.01	3.9	<0.1	4.04	6	5.6	<0.2
1626584	Drill Core	0.141	2	6	1.77	23	0.156	<20	2.26	0.054	0.16	0.4	<0.01	7.5	<0.1	4.66	7	5.1	<0.2
1626585	Drill Core	0.141	3	6	2.10	20	0.190	<20	2.95	0.035	0.14	0.4	<0.01	9.3	<0.1	3.59	8	7.3	<0.2
1626586	Drill Core	0.155	3	5	2.05	31	0.178	<20	2.50	0.106	0.10	0.3	<0.01	10.4	<0.1	2.84	8	6.3	<0.2
1626587	Drill Core	0.175	3	7	2.04	23	0.168	<20	2.79	0.070	0.10	0.3	<0.01	9.8	<0.1	2.30	9	3.8	<0.2
1626588	Drill Core	0.130	3	7	1.94	22	0.162	<20	2.23	0.125	0.13	0.2	<0.01	15.8	<0.1	5.74	9	6.6	<0.2
1626589	Drill Core	0.142	3	8	2.03	31	0.179	<20	2.84	0.171	0.11	0.2	<0.01	11.6	<0.1	2.94	9	4.2	<0.2
1626590	Rock	0.002	<1	<1	1.35	3	<0.001	<20	0.02	0.002	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
1626591	Drill Core	0.195	3	6	1.39	34	0.127	<20	1.98	0.100	0.10	0.2	<0.01	4.4	<0.1	1.67	7	2.5	<0.2
1626592	Drill Core	0.184	3	2	1.68	20	0.139	<20	2.13	0.091	0.09	0.3	<0.01	6.0	<0.1	2.84	7	4.1	<0.2

CERTIFICATE OF ANALYSIS

SMI14000250.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626593	Drill Core	4.74	0.022	3.7	196.5	10.0	49	0.1	8.4	25.5	442	4.66	40.8	11.9	1.0	54	0.3	0.5	0.9	134	2.45
1626594	Drill Core	3.25	0.007	0.2	234.1	4.5	33	<0.1	73.6	22.1	473	3.09	11.6	8.8	0.6	100	0.2	0.7	0.3	68	2.03
1626595	Drill Core	4.13	0.011	8.1	116.8	10.8	49	<0.1	16.9	33.0	546	4.80	31.0	9.2	0.7	33	0.3	0.6	0.8	104	1.62
1626596	Drill Core	5.84	0.010	3.5	263.0	5.2	45	<0.1	3.7	15.1	545	3.98	23.9	9.7	0.6	50	0.2	0.6	0.4	139	1.43
1626597	Drill Core	3.61	0.020	12.5	513.4	10.9	60	0.2	4.1	19.4	654	3.73	30.0	15.7	1.1	56	0.2	0.6	0.4	142	1.81
1626598	Drill Core	2.24	0.008	41.2	440.6	3.4	40	0.1	4.2	10.9	584	3.28	24.3	6.3	0.9	50	<0.1	0.4	0.5	59	1.87
1626599	Drill Core	6.14	0.012	18.1	396.0	5.4	44	0.2	2.5	20.3	394	3.71	32.5	8.0	0.8	45	0.1	0.7	0.5	78	1.12
1626600	Rock Pulp	0.13	0.329	279.1	2532.0	80.8	471	2.8	13.2	10.4	761	4.33	26.5	267.7	3.0	51	2.6	1.2	1.1	30	0.80
1626601	Drill Core	3.97	0.009	3.2	244.6	8.5	43	0.1	15.4	13.0	414	2.39	18.4	7.1	1.2	25	0.1	0.5	0.3	62	1.11
1626602	Drill Core	1.53	<0.005	0.1	24.6	1.6	33	<0.1	1.2	1.7	334	1.03	27.0	0.7	1.5	19	<0.1	0.6	<0.1	43	1.81
1626603	Drill Core	4.59	0.010	13.0	416.1	7.1	51	0.2	2.1	19.0	438	2.99	18.7	7.9	1.2	30	0.2	0.7	0.4	67	1.11
1626604	Drill Core	5.58	0.010	4.8	246.6	2.4	53	0.1	1.6	13.6	468	3.25	18.4	7.1	1.3	30	<0.1	0.4	0.3	86	0.78
1626605	Drill Core	5.83	0.007	2.6	189.4	7.4	40	0.1	2.8	8.3	368	2.00	12.8	8.6	1.1	21	0.1	0.4	0.3	75	1.24
1626606	Drill Core	5.54	0.013	6.3	366.7	6.2	38	0.2	1.8	7.7	347	1.78	13.7	7.9	0.9	64	0.1	0.4	0.2	66	1.22
1626607	Drill Core	5.43	0.009	5.3	268.7	6.6	49	0.1	2.5	10.0	358	3.75	17.2	19.3	0.9	42	0.1	0.4	0.2	92	1.05
1626608	Drill Core	6.42	0.030	5.9	406.7	4.1	56	0.2	1.4	9.1	359	3.28	16.3	18.3	1.0	34	0.2	0.4	0.2	102	0.85
1626609	Drill Core	5.94	0.011	2.6	185.0	4.8	49	<0.1	1.6	11.3	423	3.77	15.3	12.8	0.8	43	0.1	0.3	0.2	107	0.98
1626610	Drill Core	5.52	0.017	4.1	311.0	5.6	55	0.2	2.2	18.3	495	4.30	19.3	28.4	0.8	66	<0.1	0.3	0.4	140	1.09
1626611	Drill Core	5.41	0.008	1.5	208.9	2.4	49	<0.1	2.3	11.0	413	4.01	15.6	4.2	0.6	33	<0.1	0.4	0.2	109	1.03
1626612	Drill Core	6.07	0.011	4.4	198.5	2.4	46	<0.1	2.2	13.4	432	4.12	15.5	5.2	0.7	25	<0.1	0.3	0.1	116	0.99
1626613	Drill Core	5.76	0.012	4.5	209.8	4.4	45	<0.1	3.3	15.3	437	3.18	14.9	6.4	0.6	23	<0.1	0.3	0.2	102	0.83
1626614	Drill Core	4.82	0.008	0.8	179.3	6.6	50	0.1	29.1	16.9	590	3.43	13.6	17.2	0.5	75	<0.1	0.4	0.3	110	1.66
1626615	Drill Core	5.76	<0.005	7.7	9.9	10.3	45	<0.1	25.4	22.2	496	2.93	15.8	1.6	0.5	61	0.3	0.3	0.5	89	2.34
1626616	Drill Core	5.35	<0.005	3.2	99.0	8.1	42	<0.1	4.5	13.3	479	2.51	13.7	2.0	0.8	34	<0.1	0.3	0.3	98	2.23
1626617	Drill Core	5.76	<0.005	1.3	183.3	2.9	44	<0.1	2.1	11.2	454	4.22	18.2	4.4	0.8	44	<0.1	0.5	0.2	127	1.33
1626618	Drill Core	5.59	<0.005	3.3	61.5	7.9	48	<0.1	2.2	12.4	456	3.42	17.1	1.3	1.0	50	0.2	0.4	0.3	120	1.17
1626619	Drill Core	6.13	0.013	179.8	286.1	9.3	92	0.2	2.1	16.7	630	4.41	23.1	10.8	0.9	55	0.6	0.6	0.3	131	1.10
1626620	Rock Pulp	0.13	0.497	15.8	3827.7	96.1	912	4.0	14.5	11.7	770	4.70	26.9	335.4	2.2	52	4.5	0.7	1.1	28	0.83
1626621	Drill Core	6.13	0.012	462.1	191.2	4.7	50	0.1	2.3	11.2	536	3.94	15.1	17.7	1.0	56	0.1	0.4	0.2	127	1.05
1626622	Drill Core	5.82	0.020	2.9	128.2	3.4	51	<0.1	1.5	7.7	513	3.73	14.0	18.8	1.5	56	0.1	0.3	0.1	105	1.07

CERTIFICATE OF ANALYSIS

SMI14000250.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ374
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001
1626593	Drill Core	0.160	4	3	1.82	14	0.205	<20	2.85	0.078	0.07	0.3	<0.01	11.1	<0.1	3.69	11	6.5	<0.2
1626594	Drill Core	0.042	2	130	1.97	25	0.213	<20	3.47	0.281	0.07	0.2	<0.01	3.3	<0.1	1.35	7	1.7	<0.2
1626595	Drill Core	0.150	2	5	2.07	15	0.158	<20	1.95	0.065	0.09	0.4	0.02	8.8	<0.1	4.34	8	6.0	<0.2
1626596	Drill Core	0.161	3	5	1.74	32	0.134	<20	2.12	0.115	0.10	0.2	0.01	6.9	<0.1	1.05	8	3.8	<0.2
1626597	Drill Core	0.145	4	6	2.07	33	0.190	<20	2.85	0.057	0.09	0.3	<0.01	10.7	<0.1	1.38	10	5.8	<0.2
1626598	Drill Core	0.124	2	3	1.47	18	0.076	<20	2.01	0.067	0.06	0.2	<0.01	4.9	<0.1	1.55	7	4.3	<0.2
1626599	Drill Core	0.152	3	3	1.23	33	0.123	<20	1.64	0.090	0.09	0.3	<0.01	4.5	<0.1	1.88	6	5.3	<0.2
1626600	Rock Pulp	0.069	4	20	0.59	64	0.035	<20	1.60	0.047	0.28	1.2	0.04	2.2	0.3	2.12	4	3.9	0.7
1626601	Drill Core	0.122	3	17	1.47	15	0.116	<20	1.54	0.081	0.07	0.2	<0.01	4.0	<0.1	0.93	6	2.7	<0.2
1626602	Drill Core	0.294	6	1	1.33	6	0.142	<20	1.27	0.071	0.05	0.3	<0.01	3.6	<0.1	<0.05	6	<0.5	<0.2
1626603	Drill Core	0.117	3	3	1.56	21	0.111	<20	1.70	0.094	0.07	0.2	<0.01	4.0	<0.1	1.29	6	2.6	<0.2
1626604	Drill Core	0.124	3	3	1.58	37	0.145	<20	1.77	0.078	0.09	0.2	<0.01	5.8	<0.1	0.91	7	2.1	<0.2
1626605	Drill Core	0.120	3	3	1.45	9	0.099	<20	1.64	0.083	0.06	0.3	<0.01	5.1	<0.1	1.11	6	1.4	<0.2
1626606	Drill Core	0.134	4	3	1.37	19	0.080	<20	1.49	0.121	0.06	0.3	0.01	3.6	<0.1	0.89	5	1.9	<0.2
1626607	Drill Core	0.139	3	5	0.88	46	0.080	<20	1.38	0.097	0.10	0.2	<0.01	2.9	<0.1	0.49	6	1.8	<0.2
1626608	Drill Core	0.137	3	2	0.97	52	0.098	<20	1.33	0.098	0.11	0.3	0.01	3.8	<0.1	0.32	5	1.0	<0.2
1626609	Drill Core	0.132	3	3	1.56	37	0.092	<20	1.90	0.125	0.09	0.2	<0.01	4.8	<0.1	0.68	7	1.9	<0.2
1626610	Drill Core	0.153	3	3	2.03	36	0.151	<20	2.38	0.125	0.09	0.2	<0.01	8.4	<0.1	1.33	8	5.1	<0.2
1626611	Drill Core	0.159	2	3	1.79	19	0.089	<20	2.12	0.058	0.08	0.3	<0.01	7.3	<0.1	0.61	8	2.1	<0.2
1626612	Drill Core	0.146	2	3	1.86	24	0.090	<20	2.13	0.048	0.09	0.3	<0.01	8.6	<0.1	0.69	8	3.4	<0.2
1626613	Drill Core	0.145	2	4	1.81	16	0.088	<20	1.87	0.060	0.08	0.2	<0.01	7.9	<0.1	0.93	8	3.9	<0.2
1626614	Drill Core	0.103	2	59	2.44	18	0.150	<20	3.29	0.211	0.09	0.2	<0.01	6.7	<0.1	1.27	9	3.9	<0.2
1626615	Drill Core	0.130	2	22	2.24	21	0.089	<20	2.18	0.102	0.07	0.2	<0.01	6.2	<0.1	2.05	6	3.3	<0.2
1626616	Drill Core	0.151	3	2	1.86	12	0.098	<20	1.80	0.073	0.11	0.3	<0.01	8.8	<0.1	1.44	6	1.4	<0.2
1626617	Drill Core	0.148	3	3	1.80	14	0.153	<20	1.92	0.095	0.08	0.3	<0.01	8.1	<0.1	1.22	7	1.7	<0.2
1626618	Drill Core	0.153	3	3	2.21	16	0.196	<20	2.18	0.111	0.07	0.2	<0.01	7.3	<0.1	0.85	8	1.3	<0.2
1626619	Drill Core	0.142	3	3	2.42	18	0.186	<20	2.53	0.124	0.09	0.2	0.01	8.4	<0.1	1.12	8	2.7	<0.2
1626620	Rock Pulp	0.065	3	22	0.55	62	0.023	<20	1.56	0.050	0.33	1.6	0.04	2.2	0.3	3.48	4	5.0	0.7
1626621	Drill Core	0.133	3	3	2.54	21	0.192	<20	2.55	0.150	0.09	0.1	<0.01	9.2	<0.1	0.61	9	2.4	<0.2
1626622	Drill Core	0.120	4	3	1.51	38	0.148	<20	2.05	0.131	0.10	0.2	<0.01	6.0	<0.1	0.23	7	0.6	<0.2

CERTIFICATE OF ANALYSIS

SMI14000250.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626623	Drill Core	5.64	0.013	4.9	203.4	7.2	66	0.1	1.5	11.6	565	3.78	19.1	12.0	1.5	56	0.2	0.3	0.3	99	1.09
1626624	Drill Core	2.94	<0.005	2.0	180.7	8.3	77	0.1	1.6	10.4	536	4.13	18.3	6.4	1.3	42	0.6	0.3	0.3	98	0.85
1626625	Drill Core	2.35	0.008	2.0	135.1	5.3	70	<0.1	1.5	10.9	498	3.95	17.1	4.2	1.3	44	0.2	0.3	0.3	100	0.89
1626626	Drill Core	2.99	0.010	2.6	318.5	9.5	55	0.1	1.5	12.9	503	3.01	16.7	8.3	1.2	57	<0.1	0.3	0.3	78	1.58
1626627	Drill Core	6.09	<0.005	1.6	171.8	3.7	62	<0.1	1.5	8.5	557	3.77	13.5	3.3	1.4	59	0.1	0.3	0.2	95	1.27
1626628	Drill Core	5.62	0.006	2.2	113.5	5.6	59	<0.1	1.5	8.0	478	3.92	11.8	5.0	1.5	52	0.2	0.3	0.1	108	1.13
1626629	Drill Core	5.43	0.009	2.7	192.2	8.6	59	0.1	1.7	11.8	516	3.89	13.5	6.7	1.3	50	0.1	0.3	0.2	99	1.11
1626630	Drill Core	2.67	0.010	3.0	236.8	3.8	51	0.1	1.7	11.4	408	3.65	16.8	5.6	1.2	53	<0.1	0.4	0.3	83	0.77
1626631	Drill Core	5.94	<0.005	5.5	119.1	5.7	45	<0.1	1.2	6.5	355	1.89	12.4	5.7	0.9	23	<0.1	0.2	0.3	60	0.81
1626632	Drill Core	2.65	<0.005	9.0	160.4	3.9	38	<0.1	1.6	5.6	341	2.02	12.5	1.2	0.9	28	<0.1	0.2	0.2	59	0.74
1626633	Drill Core	5.35	<0.005	6.3	120.5	2.7	44	<0.1	1.4	8.7	400	3.30	12.2	3.1	1.3	56	<0.1	0.2	0.2	85	0.95
1626634	Drill Core	6.72	<0.005	5.8	56.3	1.5	55	<0.1	1.6	7.4	443	3.07	10.7	0.7	1.3	26	<0.1	0.3	0.1	70	0.79
1626635	Drill Core	7.44	0.022	2.1	95.9	1.5	44	<0.1	1.3	6.5	431	3.47	9.4	12.3	1.3	59	<0.1	0.3	0.1	84	0.91
1626636	Drill Core	8.00	0.014	2.5	102.8	5.5	43	<0.1	1.0	6.0	361	2.70	11.2	6.3	1.2	48	<0.1	0.3	<0.1	71	0.81
1626637	Drill Core	7.69	<0.005	1.9	234.7	2.5	54	<0.1	1.5	12.1	416	3.80	12.1	6.1	1.2	65	0.1	0.3	0.2	83	0.79
1626638	Drill Core	7.68	0.007	2.7	97.8	1.7	38	<0.1	1.2	5.7	327	2.90	9.4	3.2	1.1	45	<0.1	0.3	<0.1	74	0.77
1626639	Drill Core	7.64	0.016	4.9	342.9	4.0	39	0.1	1.4	15.0	373	3.69	14.8	16.0	0.8	68	0.1	0.3	0.2	100	0.96
1626640	Rock Pulp	0.13	0.348	264.7	2513.0	78.0	431	2.8	12.6	10.3	732	4.27	24.6	505.1	3.0	45	2.3	1.2	1.1	28	0.78
1626641	Drill Core	7.51	0.055	70.0	599.7	6.9	52	0.2	1.5	15.7	444	3.73	13.7	51.1	1.1	62	0.2	0.3	0.3	96	1.31
1626642	Drill Core	8.24	0.016	4.6	401.5	6.1	46	0.2	1.5	14.2	472	3.58	17.6	13.9	0.6	65	0.2	0.3	0.3	113	1.58
1626643	Drill Core	6.15	0.009	1.8	224.9	4.2	47	0.1	1.2	11.5	605	3.73	15.5	7.1	0.3	61	<0.1	0.2	0.2	111	3.26
1626644	Drill Core	5.94	0.010	2.3	445.3	5.7	50	0.2	1.5	24.7	500	4.65	20.8	28.4	0.4	56	0.1	0.3	0.3	100	1.40
1626645	Drill Core	5.91	0.007	3.4	142.1	3.7	37	<0.1	1.0	5.4	330	4.05	15.1	6.7	0.4	65	<0.1	0.3	<0.1	128	0.99
1626646	Drill Core	5.71	0.009	3.9	213.5	6.8	38	<0.1	1.2	10.6	349	3.77	17.7	9.6	0.4	60	0.1	0.3	0.2	113	1.10
1626647	Drill Core	6.35	0.018	3.8	201.4	2.9	41	<0.1	1.0	9.5	362	3.96	13.4	19.0	0.4	64	<0.1	0.3	<0.1	117	1.15
1626648	Drill Core	5.76	<0.005	8.7	131.4	6.3	46	<0.1	1.0	8.2	366	3.29	15.1	6.0	0.5	62	0.5	0.3	0.2	97	1.09
1626649	Drill Core	5.93	0.015	4.7	329.2	3.8	60	0.1	1.4	11.1	443	4.30	16.1	28.4	0.5	66	0.2	0.3	0.2	123	1.35
1626650	Rock	1.43	<0.005	<0.1	0.4	<0.1	<1	<0.1	1.0	0.6	21	0.06	<0.5	<0.5	<0.1	3662	<0.1	<0.1	<0.1	<2	37.12
1626651	Drill Core	6.13	0.017	23.4	276.3	5.0	46	0.1	1.1	11.1	341	3.52	16.0	13.5	0.4	46	0.1	0.3	0.2	105	1.14
1626652	Drill Core	5.99	0.039	7.1	360.8	5.3	50	0.2	1.3	13.2	330	4.03	16.0	40.4	0.4	62	0.2	0.3	0.2	138	1.21



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Project: North_Rok
 Report Date: June 10, 2014

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CERTIFICATE OF ANALYSIS

SMI14000250.1

Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ374
	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	Cu %
1626623	Drill Core	0.111	4	3	1.40	39	0.146	<20	2.10	0.168	0.12	0.2	<0.01	6.3	<0.1	0.98	7	1.7	<0.2
1626624	Drill Core	0.113	4	3	1.31	39	0.099	<20	1.71	0.107	0.09	0.2	<0.01	5.4	<0.1	0.84	7	1.4	<0.2
1626625	Drill Core	0.113	4	3	1.18	45	0.102	<20	1.71	0.124	0.11	0.2	0.01	5.0	<0.1	0.71	6	1.2	<0.2
1626626	Drill Core	0.115	4	2	2.06	35	0.118	<20	2.81	0.126	0.15	0.2	<0.01	5.8	<0.1	0.92	9	1.5	<0.2
1626627	Drill Core	0.111	4	3	1.50	44	0.091	<20	1.81	0.086	0.10	0.3	<0.01	7.2	<0.1	0.38	7	0.8	<0.2
1626628	Drill Core	0.115	4	3	1.26	49	0.125	<20	1.58	0.099	0.11	0.3	<0.01	6.5	<0.1	0.21	6	<0.5	<0.2
1626629	Drill Core	0.114	4	3	1.38	51	0.114	<20	1.65	0.095	0.11	0.2	<0.01	5.8	<0.1	0.66	7	1.1	<0.2
1626630	Drill Core	0.121	3	3	1.45	36	0.084	<20	1.69	0.075	0.09	0.3	<0.01	5.1	<0.1	1.05	6	1.8	<0.2
1626631	Drill Core	0.109	2	2	1.68	12	0.051	<20	1.53	0.072	0.05	0.2	<0.01	5.3	<0.1	0.52	6	1.0	<0.2
1626632	Drill Core	0.115	2	3	1.67	10	0.044	<20	1.48	0.074	0.04	0.1	<0.01	5.5	<0.1	0.48	6	0.9	<0.2
1626633	Drill Core	0.113	2	3	1.54	29	0.070	<20	1.89	0.111	0.09	0.2	<0.01	5.3	<0.1	0.47	6	1.0	<0.2
1626634	Drill Core	0.109	3	3	1.84	19	0.083	<20	1.90	0.061	0.10	0.2	<0.01	5.1	<0.1	0.36	7	0.6	<0.2
1626635	Drill Core	0.111	3	3	1.49	41	0.089	<20	1.77	0.067	0.11	0.2	<0.01	5.3	<0.1	0.23	7	<0.5	<0.2
1626636	Drill Core	0.115	3	3	1.45	30	0.069	<20	1.63	0.076	0.08	0.2	<0.01	4.5	<0.1	0.26	5	0.5	<0.2
1626637	Drill Core	0.107	4	3	1.12	58	0.076	<20	1.59	0.096	0.12	0.3	0.01	4.9	<0.1	0.67	6	1.2	<0.2
1626638	Drill Core	0.119	3	3	1.19	29	0.081	<20	1.36	0.070	0.08	0.2	<0.01	3.2	<0.1	0.15	5	<0.5	<0.2
1626639	Drill Core	0.138	3	2	1.42	37	0.094	<20	1.94	0.144	0.09	0.2	<0.01	4.0	<0.1	0.93	6	2.6	<0.2
1626640	Rock Pulp	0.069	4	17	0.57	60	0.030	<20	1.51	0.043	0.27	1.1	0.05	2.1	0.3	2.11	4	3.9	0.6
1626641	Drill Core	0.123	3	3	1.45	49	0.096	<20	2.18	0.153	0.10	0.2	<0.01	5.7	<0.1	1.13	7	2.4	<0.2
1626642	Drill Core	0.158	3	3	1.37	37	0.080	<20	1.85	0.144	0.09	0.2	<0.01	6.4	<0.1	1.11	6	2.4	<0.2
1626643	Drill Core	0.161	3	1	1.73	22	0.067	<20	2.21	0.060	0.07	0.2	<0.01	8.0	<0.1	0.94	7	1.3	<0.2
1626644	Drill Core	0.172	2	1	1.57	29	0.075	<20	2.12	0.078	0.06	0.1	0.01	4.6	<0.1	1.85	7	3.3	<0.2
1626645	Drill Core	0.170	3	2	1.16	34	0.077	<20	1.52	0.101	0.07	0.2	<0.01	2.6	<0.1	0.39	5	0.7	<0.2
1626646	Drill Core	0.175	2	2	1.24	33	0.070	<20	1.68	0.104	0.07	0.2	<0.01	3.7	<0.1	0.84	5	1.4	<0.2
1626647	Drill Core	0.160	2	2	1.10	40	0.086	<20	1.66	0.104	0.08	0.2	<0.01	2.5	<0.1	0.35	6	0.6	<0.2
1626648	Drill Core	0.157	2	2	1.04	36	0.084	<20	1.55	0.125	0.09	0.2	<0.01	2.4	<0.1	0.67	5	1.1	<0.2
1626649	Drill Core	0.172	3	2	1.46	49	0.087	<20	2.06	0.123	0.09	0.2	<0.01	5.0	<0.1	0.88	7	1.9	<0.2
1626650	Rock	0.004	<1	<1	1.32	3	0.002	<20	0.03	0.005	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
1626651	Drill Core	0.184	3	2	1.00	43	0.079	<20	1.60	0.084	0.08	0.2	<0.01	3.3	<0.1	0.72	5	1.7	<0.2
1626652	Drill Core	0.183	3	1	0.92	52	0.086	<20	1.67	0.120	0.09	0.2	<0.01	2.9	<0.1	0.58	5	1.4	<0.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

CERTIFICATE OF ANALYSIS

SMI14000250.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626653	Drill Core	6.09	0.021	4.4	301.9	5.7	56	0.1	1.3	13.1	439	4.57	12.3	25.9	0.4	81	0.2	0.3	0.1	168	1.61
1626654	Drill Core	5.97	0.012	3.1	228.5	4.9	53	0.1	1.1	13.4	440	4.29	13.5	20.4	0.4	70	0.1	0.3	0.1	153	1.51
1626655	Drill Core	6.11	0.017	3.2	212.7	5.2	50	0.1	1.3	11.4	427	4.09	14.2	13.7	0.3	80	0.2	0.2	0.1	156	1.60
1626656	Drill Core	5.90	0.029	2.8	295.1	6.6	61	0.1	1.3	15.3	457	4.40	20.0	26.2	0.4	70	0.2	0.3	0.2	147	1.52
1626657	Drill Core	6.11	0.037	5.6	345.0	9.1	62	0.1	1.6	11.4	431	4.59	21.4	41.6	0.4	91	0.3	0.3	0.2	157	1.49
1626658	Drill Core	5.60	0.016	1.9	225.6	5.0	48	0.1	1.6	8.2	390	4.11	25.9	14.3	0.4	91	<0.1	0.4	0.2	132	1.87
1626659	Drill Core	6.10	0.011	5.4	204.6	4.8	62	0.1	1.4	8.2	453	4.04	28.9	5.8	0.4	73	0.2	0.4	0.2	138	1.38
1626660	Rock Pulp	0.13	0.318	271.9	2529.9	80.4	430	2.7	13.3	10.5	750	4.36	25.5	292.7	3.1	49	2.3	1.3	1.0	29	0.79
1626661	Drill Core	5.86	0.019	9.1	485.8	7.4	74	0.2	1.9	19.9	478	4.00	39.1	21.7	0.4	67	0.5	0.4	0.5	63	1.22
1626662	Drill Core	4.13	0.021	11.5	440.0	5.0	72	0.2	1.5	20.7	525	4.32	22.0	66.5	0.4	58	0.2	0.4	0.3	109	1.31
1626663	Drill Core	2.86	0.019	1.3	659.3	7.8	77	0.3	2.0	27.7	518	4.40	24.1	17.3	0.3	37	0.3	0.3	0.4	61	1.17
1626664	Drill Core	7.15	<0.005	0.5	227.3	5.2	66	0.1	1.3	10.4	446	3.25	26.8	6.0	0.4	56	0.1	0.4	0.2	106	1.66
1626665	Drill Core	7.56	0.005	2.9	159.9	3.8	60	<0.1	1.4	8.3	445	3.89	23.3	10.1	0.4	49	0.2	0.5	0.2	113	1.34
1626666	Drill Core	7.73	<0.005	1.8	505.4	8.4	58	0.2	2.1	18.1	525	4.31	28.0	9.0	0.4	61	0.1	0.5	0.5	95	1.10
1626667	Drill Core	8.87	0.009	1.3	405.0	10.3	63	0.2	2.0	15.8	551	4.36	24.4	12.2	0.4	56	0.1	0.6	0.4	104	1.19
1626668	Drill Core	7.66	0.021	3.2	490.6	12.3	86	0.2	1.8	20.3	598	4.66	25.6	10.6	0.3	35	0.1	0.3	0.4	112	1.22
1626669	Drill Core	6.80	0.012	6.3	360.4	8.5	93	0.1	1.8	17.4	663	4.54	36.6	15.0	0.4	41	<0.1	0.5	0.3	148	1.18
1626670	Drill Core	7.65	0.017	13.2	461.2	17.1	132	0.2	2.5	23.3	728	4.78	40.7	13.7	0.5	43	1.5	0.4	0.5	142	1.37
1626671	Drill Core	7.74	0.007	7.1	266.4	5.2	101	0.1	2.0	16.1	622	4.09	22.7	11.0	0.4	62	0.1	0.6	0.2	128	1.32
1626672	Drill Core	7.24	<0.005	4.7	315.4	4.7	90	0.1	1.9	16.4	682	4.18	25.9	6.0	0.4	51	<0.1	0.6	0.3	133	1.81
1626673	Drill Core	6.96	0.007	4.2	287.8	7.3	64	0.1	1.5	18.2	568	3.37	23.4	9.4	0.4	46	<0.1	0.4	0.3	104	1.31
1626674	Drill Core	2.92	0.011	6.4	202.2	1.6	80	<0.1	1.4	10.2	590	3.80	26.0	11.1	0.3	37	<0.1	0.4	0.1	123	1.12
1626675	Drill Core	3.02	0.008	4.7	224.5	1.7	85	<0.1	1.9	11.3	645	4.06	28.9	5.9	0.3	46	<0.1	0.5	0.1	135	1.28
1626676	Drill Core	6.68	0.062	0.7	227.7	1.2	90	<0.1	1.5	7.0	674	4.29	23.1	25.3	0.3	66	<0.1	0.6	<0.1	141	1.93
1626677	Drill Core	4.15	0.039	0.9	647.3	3.3	128	0.2	2.0	17.0	789	4.91	25.5	28.7	0.3	37	0.1	0.4	0.5	147	1.25
1626678	Drill Core	7.03	0.024	3.5	608.7	6.4	131	0.3	4.3	19.3	821	5.30	25.4	24.2	1.0	39	0.4	0.4	0.4	176	1.39
1626679	Drill Core	7.46	0.007	2.6	278.4	11.8	133	0.2	4.2	23.2	778	5.37	22.0	9.4	1.2	41	0.2	0.5	0.4	200	1.21
1626680	Rock Pulp	0.12	0.290	270.1	2487.8	78.2	441	2.6	13.4	10.2	730	4.24	26.3	400.2	2.8	51	2.3	1.3	1.0	29	0.78
1626681	Drill Core	6.98	0.013	2.6	255.1	13.1	111	0.1	4.6	23.8	792	5.34	20.9	7.7	1.1	15	0.1	0.5	0.3	186	1.07
1626682	Drill Core	6.38	0.008	2.9	242.7	2.9	112	0.1	2.7	15.5	813	4.43	21.7	9.9	0.6	24	<0.1	0.4	0.2	134	0.90

CERTIFICATE OF ANALYSIS

SMI14000250.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ374
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001
1626653	Drill Core	0.178	4	2	1.00	48	0.108	<20	2.02	0.182	0.10	0.2	<0.01	3.5	<0.1	0.28	6	1.0	<0.2
1626654	Drill Core	0.194	3	1	1.07	42	0.087	<20	1.82	0.105	0.08	0.2	<0.01	3.8	<0.1	0.45	6	1.0	<0.2
1626655	Drill Core	0.176	3	2	0.93	49	0.082	<20	1.88	0.163	0.10	0.1	<0.01	3.3	<0.1	0.39	6	0.9	<0.2
1626656	Drill Core	0.174	3	2	0.80	37	0.079	<20	1.68	0.122	0.10	0.1	<0.01	3.2	<0.1	0.70	5	1.4	<0.2
1626657	Drill Core	0.182	3	2	0.90	47	0.091	<20	1.88	0.181	0.10	0.2	<0.01	2.9	<0.1	0.69	6	1.6	<0.2
1626658	Drill Core	0.168	3	2	1.05	30	0.089	<20	2.00	0.089	0.07	0.2	<0.01	3.7	<0.1	0.84	6	1.3	<0.2
1626659	Drill Core	0.174	3	2	0.82	37	0.087	<20	1.48	0.122	0.08	0.2	<0.01	2.8	<0.1	0.80	5	0.9	<0.2
1626660	Rock Pulp	0.068	4	19	0.58	61	0.033	<20	1.60	0.045	0.28	1.1	0.04	2.1	0.2	2.13	4	3.8	0.6
1626661	Drill Core	0.174	2	1	0.90	28	0.075	<20	1.57	0.115	0.07	0.3	0.02	2.8	<0.1	2.58	5	4.0	0.3
1626662	Drill Core	0.167	3	2	1.20	48	0.106	<20	1.91	0.128	0.11	0.3	<0.01	3.7	<0.1	1.79	6	2.8	<0.2
1626663	Drill Core	0.170	2	1	1.30	20	0.071	<20	1.53	0.054	0.05	0.2	0.01	3.5	<0.1	3.18	5	5.2	0.3
1626664	Drill Core	0.171	3	2	1.19	20	0.089	<20	1.80	0.103	0.08	0.2	0.01	3.7	<0.1	1.14	6	1.4	<0.2
1626665	Drill Core	0.158	3	1	1.11	30	0.072	<20	1.65	0.076	0.08	0.2	<0.01	2.6	<0.1	1.11	5	1.3	<0.2
1626666	Drill Core	0.165	3	3	1.60	17	0.099	<20	1.71	0.084	0.07	0.2	0.01	5.1	<0.1	3.20	6	2.5	<0.2
1626667	Drill Core	0.174	2	2	1.49	10	0.105	<20	1.68	0.073	0.04	0.2	<0.01	4.8	<0.1	2.88	6	2.1	0.2
1626668	Drill Core	0.184	2	2	2.13	22	0.098	<20	2.18	0.065	0.07	0.3	<0.01	6.5	<0.1	2.96	7	3.9	<0.2
1626669	Drill Core	0.180	3	2	2.13	29	0.107	<20	2.41	0.106	0.09	0.3	0.01	7.3	<0.1	1.29	8	1.6	<0.2
1626670	Drill Core	0.182	3	2	1.83	37	0.116	<20	2.47	0.103	0.11	0.4	0.02	7.8	<0.1	1.98	8	4.1	0.2
1626671	Drill Core	0.196	3	2	1.37	31	0.105	<20	1.88	0.082	0.10	0.4	<0.01	4.9	<0.1	0.97	6	1.7	<0.2
1626672	Drill Core	0.185	3	2	1.80	22	0.097	<20	2.17	0.057	0.09	0.4	<0.01	6.0	<0.1	0.75	7	1.2	<0.2
1626673	Drill Core	0.195	3	1	1.79	16	0.100	<20	2.00	0.046	0.06	0.3	0.01	4.4	<0.1	0.97	6	1.6	<0.2
1626674	Drill Core	0.202	3	1	1.71	21	0.080	<20	1.99	0.044	0.07	0.2	<0.01	4.3	<0.1	0.43	7	1.1	<0.2
1626675	Drill Core	0.197	3	2	1.82	25	0.095	<20	2.25	0.058	0.08	0.2	<0.01	4.8	<0.1	0.45	7	1.0	<0.2
1626676	Drill Core	0.200	3	2	1.77	13	0.097	<20	2.75	0.038	0.06	0.3	<0.01	6.1	<0.1	0.25	8	0.5	<0.2
1626677	Drill Core	0.202	3	2	2.47	19	0.108	<20	2.74	0.067	0.07	0.4	<0.01	7.9	<0.1	1.80	9	2.6	<0.2
1626678	Drill Core	0.139	2	7	2.35	16	0.227	<20	3.13	0.082	0.09	0.5	<0.01	13.7	<0.1	2.95	9	3.8	<0.2
1626679	Drill Core	0.150	3	4	2.50	20	0.268	<20	2.96	0.061	0.10	0.5	<0.01	16.5	<0.1	3.20	9	3.9	<0.2
1626680	Rock Pulp	0.071	4	19	0.56	62	0.036	<20	1.58	0.045	0.27	1.0	0.05	2.2	0.2	2.10	4	3.5	0.7
1626681	Drill Core	0.143	3	6	2.53	22	0.257	<20	2.74	0.020	0.09	0.5	<0.01	15.8	<0.1	3.05	10	4.3	<0.2
1626682	Drill Core	0.170	3	4	2.85	14	0.124	<20	2.83	0.026	0.07	0.3	<0.01	8.4	<0.1	1.10	9	1.6	<0.2

CERTIFICATE OF ANALYSIS

SMI14000250.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626683	Drill Core	5.24	0.062	4.7	1191.9	7.6	107	0.5	3.8	15.8	750	4.50	20.4	32.9	0.7	41	0.2	0.6	0.4	90	0.94
1626684	Drill Core	7.19	0.263	4.5	7680.7	15.8	97	3.9	3.1	23.6	893	8.72	39.0	193.2	0.7	50	0.6	0.5	1.2	84	0.69
1626685	Drill Core	7.46	0.177	2.4	5475.3	16.4	116	2.8	2.6	28.8	1087	9.50	38.9	150.2	0.7	73	0.7	0.4	1.1	91	0.81
1626686	Drill Core	7.90	0.064	3.4	5360.9	10.0	95	3.2	3.2	21.3	1228	7.64	30.7	77.1	0.9	74	0.3	0.4	1.1	98	0.99
1626687	Drill Core	6.97	0.226	3.2	6975.3	8.6	75	3.1	2.2	18.9	949	6.05	14.7	138.0	0.7	65	0.4	0.3	1.4	96	1.19
1626688	Drill Core	7.26	0.051	4.4	1798.0	9.4	67	0.9	2.7	11.4	902	4.93	22.8	39.3	0.7	74	0.3	0.3	1.0	86	1.23
1626689	Drill Core	7.52	0.041	3.9	1040.7	11.2	67	0.6	2.6	11.9	846	5.55	22.9	39.6	0.8	61	0.3	0.4	1.0	89	1.11
1626690	Rock	1.51	<0.005	<0.1	0.6	<0.1	<1	<0.1	<0.1	<0.1	25	0.03	<0.5	3.6	<0.1	3671	<0.1	<0.1	<0.1	<2	35.65
1626691	Drill Core	7.25	0.052	1.2	1766.1	5.9	71	0.9	2.4	9.3	1390	4.88	29.8	63.5	0.6	110	0.2	0.4	0.8	120	1.57
1626692	Drill Core	7.58	0.255	4.0	6864.0	8.8	89	6.4	2.6	19.5	1076	7.30	19.7	105.3	0.7	57	0.5	0.5	1.6	86	1.06
1626693	Drill Core	7.20	0.079	4.0	1952.6	7.4	71	1.6	2.7	17.3	1067	6.45	22.7	78.4	0.7	70	0.3	0.4	1.2	86	1.46
1626694	Drill Core	5.91	0.031	3.4	700.3	5.4	63	0.5	2.8	11.8	1233	5.03	13.3	21.2	0.7	60	0.1	0.3	0.7	95	1.16
1626695	Drill Core	5.90	0.122	8.6	4225.6	7.2	78	3.8	2.8	12.2	1657	6.46	16.1	74.4	0.7	95	0.2	0.4	0.9	107	1.35
1626696	Drill Core	6.09	0.027	3.7	888.7	9.4	96	0.9	2.8	13.1	1511	6.49	17.5	22.8	0.7	83	0.3	0.3	0.9	98	1.31
1626697	Drill Core	5.87	0.030	3.3	1140.7	15.8	89	0.8	2.6	12.4	1158	5.86	25.6	32.1	0.7	118	0.5	0.4	0.8	100	1.08
1626698	Drill Core	6.24	0.322	2.0	8426.2	10.3	85	4.9	2.4	11.0	1174	6.63	17.3	192.6	0.7	84	0.5	0.3	1.0	110	1.20
1626699	Drill Core	6.29	0.372	2.3	>10000	8.3	88	6.5	2.9	16.7	1228	8.25	15.8	250.6	0.7	118	0.4	0.2	1.0	104	1.28
1626700	Rock Pulp	0.13	0.538	16.3	3717.5	94.6	899	3.9	15.0	11.5	742	4.60	28.1	379.9	2.1	54	5.3	0.8	1.2	27	0.82
1626701	Drill Core	6.13	0.063	2.8	2622.5	11.0	106	1.6	2.5	14.9	1420	7.61	12.9	47.5	0.8	102	0.3	0.3	1.0	108	1.23
1626702	Drill Core	5.89	0.145	2.2	3468.0	10.2	95	2.3	2.4	13.7	1302	7.10	10.3	94.3	0.7	74	0.3	0.3	0.9	94	1.26
1626703	Drill Core	6.28	0.089	3.2	2106.3	11.1	124	1.5	2.3	13.8	1701	7.64	15.8	50.3	0.8	57	0.4	0.3	0.7	103	1.16
1626704	Drill Core	7.51	0.018	2.1	1861.1	10.9	132	1.4	2.5	19.9	2017	9.44	9.5	19.5	0.7	123	0.3	0.2	0.9	116	1.38
1626705	Drill Core	8.16	0.018	2.6	1994.9	10.2	125	1.2	2.4	17.1	1896	8.60	10.5	15.5	0.8	99	0.3	0.3	0.9	114	1.40
1626706	Drill Core	7.48	0.032	3.1	991.0	14.7	115	0.7	2.3	10.9	1372	5.38	14.5	26.6	0.8	69	0.4	0.4	0.8	93	1.06
1626707	Drill Core	7.73	0.224	2.2	8006.8	11.9	111	4.0	1.9	10.6	1728	6.28	10.2	141.4	0.8	52	0.9	0.3	0.8	104	1.33
1626708	Drill Core	7.01	0.234	4.9	8671.1	7.4	98	4.2	2.2	10.2	1331	6.26	12.5	228.9	0.7	44	1.0	0.4	0.8	86	0.72
1626709	Drill Core	7.44	0.072	3.1	2995.2	13.3	115	1.7	2.4	17.2	1491	7.28	21.7	47.6	0.7	52	0.4	0.5	1.1	97	1.19
1626710	Drill Core	6.87	0.135	2.9	6128.2	10.8	144	3.6	2.9	16.9	1823	7.29	25.3	116.0	0.7	51	0.5	0.5	1.5	86	0.87
1626711	Drill Core	6.89	0.123	2.1	7971.3	13.7	117	4.3	2.7	16.9	1735	6.45	27.7	98.7	0.7	83	0.6	0.6	1.1	107	2.52
1626712	Drill Core	4.82	0.074	3.0	7185.4	12.0	131	3.7	2.5	14.7	1286	6.02	29.2	46.3	0.7	96	0.8	0.7	1.0	93	1.66

CERTIFICATE OF ANALYSIS

SMI14000250.1

Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ374
	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	Cu %
1626683	Drill Core	0.133	2	5	2.44	13	0.114	<20	2.50	0.029	0.05	0.5	0.01	7.1	<0.1	2.15	8	2.9	<0.2
1626684	Drill Core	0.089	2	4	1.62	45	0.104	<20	2.15	0.031	0.15	0.3	0.02	7.1	<0.1	7.48	6	8.6	0.6
1626685	Drill Core	0.090	2	4	1.86	50	0.093	<20	2.58	0.062	0.23	0.3	0.04	8.8	<0.1	8.09	7	10.3	0.4
1626686	Drill Core	0.092	2	5	2.28	61	0.118	<20	3.15	0.052	0.26	0.4	0.04	9.7	<0.1	5.28	8	7.7	0.4
1626687	Drill Core	0.100	2	4	1.46	66	0.126	<20	2.49	0.050	0.20	0.3	0.03	8.8	<0.1	3.76	7	5.9	0.4
1626688	Drill Core	0.101	2	5	1.13	53	0.103	<20	2.51	0.063	0.17	0.3	0.03	7.6	<0.1	3.04	7	4.3	0.3
1626689	Drill Core	0.106	2	6	0.94	47	0.071	<20	2.34	0.073	0.18	0.5	0.02	7.1	<0.1	3.27	7	4.3	<0.2
1626690	Rock	0.003	<1	<1	1.48	4	<0.001	<20	0.01	0.002	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
1626691	Drill Core	0.118	3	4	1.41	59	0.122	<20	3.28	0.107	0.23	0.4	0.02	10.3	<0.1	2.08	8	2.6	0.2
1626692	Drill Core	0.099	1	3	1.17	55	0.078	<20	2.39	0.075	0.23	0.4	0.05	7.2	0.1	4.79	6	5.9	0.4
1626693	Drill Core	0.094	2	3	1.55	55	0.088	<20	3.27	0.092	0.31	0.2	0.03	7.3	0.2	4.32	8	4.5	0.3
1626694	Drill Core	0.101	2	3	1.63	71	0.130	<20	2.89	0.077	0.33	0.3	0.01	9.7	0.1	3.15	7	2.5	<0.2
1626695	Drill Core	0.106	2	4	1.50	102	0.128	<20	3.12	0.068	0.40	0.3	0.02	11.3	0.2	4.15	9	4.3	0.3
1626696	Drill Core	0.100	2	4	1.70	102	0.107	<20	3.50	0.083	0.59	0.2	0.02	10.7	0.3	4.30	8	3.4	0.2
1626697	Drill Core	0.104	2	3	1.68	94	0.106	<20	3.15	0.082	0.47	0.3	0.02	11.2	0.2	4.11	8	4.1	0.2
1626698	Drill Core	0.100	2	2	1.79	78	0.119	<20	3.11	0.098	0.39	0.3	0.03	11.2	0.2	4.67	8	4.1	0.6
1626699	Drill Core	0.094	2	4	1.95	85	0.127	<20	3.49	0.117	0.57	0.2	0.02	10.0	0.2	5.63	9	5.7	0.7
1626700	Rock Pulp	0.066	3	22	0.54	59	0.024	<20	1.47	0.049	0.31	1.3	0.04	2.3	0.3	3.42	4	5.0	0.6
1626701	Drill Core	0.097	2	3	2.05	90	0.150	<20	3.45	0.116	0.43	0.2	0.02	10.7	0.2	4.32	9	4.0	0.3
1626702	Drill Core	0.084	1	3	1.67	61	0.125	<20	2.67	0.076	0.20	0.3	0.02	8.5	<0.1	4.08	7	4.5	0.4
1626703	Drill Core	0.098	2	3	1.92	53	0.124	<20	3.12	0.049	0.28	0.4	0.02	8.9	<0.1	3.04	9	5.5	0.4
1626704	Drill Core	0.096	2	3	2.20	76	0.147	<20	3.94	0.122	0.36	0.3	0.02	10.0	0.1	4.74	10	4.8	0.5
1626705	Drill Core	0.096	2	4	2.04	78	0.150	<20	3.72	0.116	0.37	0.4	0.02	11.4	0.1	4.68	10	2.8	0.4
1626706	Drill Core	0.092	2	3	1.54	71	0.121	<20	2.48	0.048	0.25	0.4	0.03	8.6	<0.1	3.05	7	3.0	0.3
1626707	Drill Core	0.093	2	3	2.48	65	0.136	<20	3.03	0.048	0.35	0.4	0.01	10.4	0.1	3.31	9	3.8	0.4
1626708	Drill Core	0.103	2	3	1.90	54	0.128	<20	2.38	0.034	0.20	0.4	0.01	7.8	<0.1	3.53	7	5.0	0.4
1626709	Drill Core	0.098	2	3	2.23	33	0.133	<20	2.79	0.020	0.13	0.6	0.03	7.2	<0.1	4.17	8	5.7	0.4
1626710	Drill Core	0.091	2	3	2.22	46	0.127	<20	2.64	0.017	0.16	0.4	0.01	7.1	<0.1	3.26	8	7.4	0.5
1626711	Drill Core	0.112	3	2	1.72	41	0.161	<20	2.98	0.038	0.16	0.4	0.01	9.6	<0.1	2.67	8	9.1	0.4
1626712	Drill Core	0.105	2	3	1.39	60	0.128	<20	2.38	0.031	0.18	0.4	0.01	7.3	<0.1	2.86	6	7.3	0.4



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Project: North_Rok
 Report Date: June 10, 2014

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CERTIFICATE OF ANALYSIS

SMI14000250.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626713	Drill Core	7.04	0.032	5.4	329.2	11.6	114	0.4	2.5	18.5	1521	6.25	45.0	26.2	0.8	127	0.3	0.5	0.8	115	1.63
1626714	Drill Core	7.92	0.032	3.0	158.6	8.4	124	0.3	2.3	23.2	1785	6.52	41.6	32.0	0.9	136	0.1	0.7	0.9	99	1.66
1626715	Drill Core	7.90	0.068	2.6	221.9	9.4	134	0.7	2.8	30.4	2006	9.85	44.2	61.1	0.9	277	0.3	0.5	1.8	110	1.75
1626716	Drill Core	7.56	0.051	1.9	172.8	7.2	90	0.3	2.7	28.2	1686	8.53	23.6	41.2	0.8	232	0.2	0.4	1.2	91	1.63
1626717	Drill Core	7.46	0.057	2.2	257.5	8.5	80	0.3	3.0	30.1	1578	9.78	30.0	46.8	0.8	113	<0.1	0.4	1.1	91	1.74
1626718	Drill Core	7.79	0.053	3.1	164.9	6.4	65	0.2	2.3	31.6	1396	10.53	32.0	42.5	0.7	168	<0.1	0.3	1.0	74	1.73
1626719	Drill Core	8.04	0.031	1.9	118.9	5.5	59	0.1	2.1	17.9	1279	6.40	29.1	28.6	0.7	90	<0.1	0.3	0.7	90	1.67
1626720	Rock Pulp	0.14	0.542	17.0	3695.9	98.6	863	3.9	13.9	12.0	731	4.74	27.8	556.7	2.4	55	5.1	0.7	1.2	28	0.82
1626721	Drill Core	3.45	0.036	1.2	230.8	7.9	74	0.2	2.4	33.0	1297	8.64	35.2	25.8	0.9	99	0.2	0.3	1.1	100	1.25
1626722	Drill Core	5.55	0.016	6.0	328.2	7.4	103	0.2	2.4	16.6	1247	4.99	19.8	12.8	0.9	125	0.2	0.4	0.6	145	1.17
1626723	Drill Core	6.17	0.010	4.8	339.3	5.8	100	0.2	2.3	16.3	1193	4.62	12.7	11.9	1.0	71	0.1	0.4	0.4	150	1.19
1626724	Drill Core	3.11	0.013	4.4	269.7	8.6	117	0.2	2.5	13.6	1509	3.86	14.8	8.9	1.0	95	0.3	0.3	0.4	133	3.22
1626725	Drill Core	2.18	0.014	3.9	279.0	7.3	116	0.2	2.0	13.7	1579	3.95	16.4	8.0	0.9	93	0.2	0.3	0.4	134	3.48
1626726	Drill Core	6.13	0.092	3.3	807.9	9.5	123	1.4	2.8	21.3	2058	11.55	43.5	79.1	0.7	88	0.2	0.5	1.6	121	1.65
1626727	Drill Core	5.65	0.083	3.4	367.7	7.6	124	1.0	2.5	15.8	1787	8.79	44.2	66.5	0.7	50	0.2	0.6	1.5	106	1.13
1626728	Drill Core	5.17	0.090	4.7	328.4	11.0	135	1.3	2.6	21.8	1742	8.93	50.4	82.7	0.8	44	0.6	0.6	1.8	120	1.23
1626729	Drill Core	4.04	0.065	3.2	325.4	14.6	153	0.7	2.9	18.9	1872	7.32	40.6	70.5	0.9	45	0.6	0.5	1.3	136	0.91
1626730	Drill Core	5.62	0.019	4.8	345.7	14.7	99	0.3	4.0	16.1	1239	4.47	34.6	22.8	0.9	56	0.4	0.6	0.6	109	1.16
1626731	Drill Core	5.63	0.021	3.1	324.8	11.2	96	0.3	3.8	13.7	1419	4.76	33.3	24.6	1.0	55	0.2	0.8	0.6	101	1.14
1626732	Drill Core	7.01	0.033	3.7	231.3	11.7	116	0.4	3.9	15.0	1626	5.58	41.9	24.8	1.0	72	0.4	0.6	0.7	103	0.89
1626733	Drill Core	7.51	0.019	3.2	150.9	14.5	127	0.3	3.6	15.2	1819	4.93	38.1	23.8	1.0	74	0.4	0.6	0.5	163	1.61
1626734	Drill Core	7.15	0.018	6.8	228.9	15.2	120	0.2	3.0	13.4	1360	4.86	40.5	16.5	0.9	41	1.2	0.5	0.6	99	0.88
1626735	Drill Core	5.00	0.018	8.6	292.9	7.1	50	0.2	4.5	14.7	959	4.77	25.7	16.0	0.9	35	0.1	0.3	0.6	70	1.82
1626736	Drill Core	3.30	0.016	7.6	348.3	12.7	100	0.3	7.9	18.6	1244	5.10	29.8	13.7	0.9	33	0.3	0.4	0.6	126	1.25



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Project: North_Rok
 Report Date: June 10, 2014

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CERTIFICATE OF ANALYSIS

SMI14000250.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ374	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001
1626713	Drill Core	0.111	2	4	1.67	64	0.153	<20	3.06	0.052	0.19	0.5	0.02	10.2	<0.1	2.87	8	4.8	0.3	
1626714	Drill Core	0.114	3	3	1.68	54	0.180	<20	3.13	0.035	0.15	0.6	0.02	8.7	<0.1	2.79	8	4.4	0.4	
1626715	Drill Core	0.107	2	3	1.42	51	0.157	<20	3.88	0.085	0.21	0.9	0.03	10.0	<0.1	5.32	10	4.0	0.9	
1626716	Drill Core	0.098	2	3	1.40	80	0.132	<20	3.01	0.071	0.25	0.5	0.01	9.1	<0.1	5.35	7	2.9	0.4	
1626717	Drill Core	0.099	2	3	1.33	67	0.129	<20	2.87	0.048	0.21	0.5	0.02	8.9	<0.1	5.81	8	4.5	0.4	
1626718	Drill Core	0.095	2	2	1.27	51	0.098	<20	2.94	0.064	0.16	0.4	0.02	7.4	<0.1	6.51	7	4.5	0.5	
1626719	Drill Core	0.102	2	3	1.47	57	0.131	<20	2.74	0.066	0.22	0.4	0.02	9.3	<0.1	3.68	7	2.8	0.3	
1626720	Rock Pulp	0.069	4	23	0.55	64	0.028	<20	1.56	0.055	0.33	1.7	0.04	2.4	0.3	3.21	5	4.7	0.7	
1626721	Drill Core	0.103	2	3	1.54	74	0.119	<20	2.78	0.064	0.26	0.4	0.03	10.3	0.2	5.22	7	3.4	0.4	
1626722	Drill Core	0.149	5	3	2.30	43	0.173	<20	2.80	0.137	0.15	0.5	0.02	11.3	<0.1	1.90	9	4.8	<0.2	
1626723	Drill Core	0.149	4	3	2.10	39	0.223	<20	2.66	0.165	0.13	0.3	<0.01	13.1	<0.1	1.90	8	5.5	<0.2	
1626724	Drill Core	0.133	5	4	1.49	33	0.165	<20	2.86	0.131	0.13	0.3	0.01	10.4	<0.1	1.58	8	4.7	<0.2	
1626725	Drill Core	0.140	5	4	1.60	26	0.161	<20	2.99	0.123	0.12	0.3	0.01	10.7	<0.1	1.56	8	4.3	<0.2	
1626726	Drill Core	0.099	2	3	1.99	59	0.139	<20	3.49	0.048	0.24	0.5	0.02	9.8	<0.1	6.92	9	5.7	0.9	
1626727	Drill Core	0.114	2	3	1.88	34	0.172	<20	2.82	0.017	0.16	0.7	0.05	10.0	0.1	4.89	8	4.6	1.1	
1626728	Drill Core	0.122	3	<1	1.86	38	0.184	<20	2.79	0.034	0.21	0.7	0.09	13.3	0.1	5.36	8	5.3	1.8	
1626729	Drill Core	0.123	3	3	2.24	53	0.201	<20	3.17	0.085	0.32	0.6	0.03	14.2	0.1	3.93	10	3.6	0.8	
1626730	Drill Core	0.112	3	5	1.79	27	0.150	<20	3.04	0.186	0.18	0.5	<0.01	9.3	<0.1	2.40	8	8.0	<0.2	
1626731	Drill Core	0.123	3	3	1.80	37	0.132	<20	3.16	0.111	0.31	0.4	0.01	8.7	0.2	2.46	8	5.5	<0.2	
1626732	Drill Core	0.108	2	4	1.93	33	0.118	<20	2.93	0.040	0.39	0.3	0.01	9.7	0.2	3.25	8	8.5	<0.2	
1626733	Drill Core	0.123	4	5	2.56	31	0.198	<20	4.67	0.220	0.55	0.2	0.01	16.7	0.3	2.36	10	4.5	<0.2	
1626734	Drill Core	0.112	2	3	1.69	182	0.103	<20	2.43	0.026	0.19	0.3	0.02	8.3	0.1	2.71	7	5.7	<0.2	
1626735	Drill Core	0.110	2	5	0.95	50	0.084	<20	2.28	0.020	0.22	0.3	<0.01	5.2	<0.1	3.20	6	7.9	<0.2	
1626736	Drill Core	0.163	4	7	2.24	16	0.192	<20	2.64	0.097	0.11	0.4	0.01	10.0	<0.1	2.96	8	6.2	<0.2	

QUALITY CONTROL REPORT

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Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
1626585	Drill Core	5.19	0.010	3.1	95.6	11.4	52	<0.1	4.6	19.3	442	4.61	36.0	8.8	1.0	60	<0.1	0.3	0.7	119	2.16
REP 1626585	QC			3.3	96.4	11.4	53	<0.1	4.6	19.2	444	4.59	36.2	8.2	1.1	60	<0.1	0.3	0.7	120	2.17
1626600	Rock Pulp	0.13	0.329	279.1	2532.0	80.8	471	2.8	13.2	10.4	761	4.33	26.5	267.7	3.0	51	2.6	1.2	1.1	30	0.80
REP 1626600	QC		0.330																		
1626607	Drill Core	5.43	0.009	5.3	268.7	6.6	49	0.1	2.5	10.0	358	3.75	17.2	19.3	0.9	42	0.1	0.4	0.2	92	1.05
REP 1626607	QC		0.012																		
1626620	Rock Pulp	0.13	0.497	15.8	3827.7	96.1	912	4.0	14.5	11.7	770	4.70	26.9	335.4	2.2	52	4.5	0.7	1.1	28	0.83
REP 1626620	QC			15.2	3819.7	95.1	953	4.0	15.0	11.3	757	4.63	25.6	356.6	2.1	53	4.4	0.7	1.1	27	0.83
1626650	Rock	1.43	<0.005	<0.1	0.4	<0.1	<1	<0.1	1.0	0.6	21	0.06	<0.5	<0.5	<0.1	3662	<0.1	<0.1	<0.1	<2	37.12
REP 1626650	QC			<0.1	0.7	<0.1	<1	<0.1	0.9	0.6	22	0.06	<0.5	<0.5	<0.1	3775	<0.1	<0.1	<0.1	<2	36.92
1626685	Drill Core	7.46	0.177	2.4	5475.3	16.4	116	2.8	2.6	28.8	1087	9.50	38.9	150.2	0.7	73	0.7	0.4	1.1	91	0.81
REP 1626685	QC			2.4	5326.5	17.3	119	3.0	2.6	28.9	1083	9.48	39.4	159.7	0.7	70	0.6	0.4	1.1	91	0.81
1626693	Drill Core	7.20	0.079	4.0	1952.6	7.4	71	1.6	2.7	17.3	1067	6.45	22.7	78.4	0.7	70	0.3	0.4	1.2	86	1.46
REP 1626693	QC			4.0	2047.0	7.8	72	1.6	2.9	18.0	1120	6.87	24.2	78.3	0.7	74	0.3	0.4	1.2	83	1.54
1626699	Drill Core	6.29	0.372	2.3	>10000	8.3	88	6.5	2.9	16.7	1228	8.25	15.8	250.6	0.7	118	0.4	0.2	1.0	104	1.28
REP 1626699	QC																				
1626719	Drill Core	8.04	0.031	1.9	118.9	5.5	59	0.1	2.1	17.9	1279	6.40	29.1	28.6	0.7	90	<0.1	0.3	0.7	90	1.67
REP 1626719	QC		0.032																		
1626720	Rock Pulp	0.14	0.542	17.0	3695.9	98.6	863	3.9	13.9	12.0	731	4.74	27.8	556.7	2.4	55	5.1	0.7	1.2	28	0.82
REP 1626720	QC			16.9	3706.1	99.5	902	3.9	14.7	12.2	746	4.81	27.9	478.5	2.5	57	4.9	0.8	1.1	28	0.84
1626736	Drill Core	3.30	0.016	7.6	348.3	12.7	100	0.3	7.9	18.6	1244	5.10	29.8	13.7	0.9	33	0.3	0.4	0.6	126	1.25
REP 1626736	QC		0.016	7.2	365.6	12.2	102	0.3	7.9	18.8	1289	5.35	31.3	16.1	1.0	35	0.3	0.5	0.6	131	1.24
Core Reject Duplicates																					
1626575	Drill Core	1.52	0.009	2.8	198.0	4.6	87	<0.1	1.6	18.4	662	4.49	37.4	4.7	0.7	41	0.1	0.5	0.4	116	1.38
DUP 1626575	QC		0.008	2.2	203.1	4.2	88	<0.1	1.7	18.7	681	4.59	38.8	6.2	0.7	41	0.2	0.5	0.4	121	1.39
1626613	Drill Core	5.76	0.012	4.5	209.8	4.4	45	<0.1	3.3	15.3	437	3.18	14.9	6.4	0.6	23	<0.1	0.3	0.2	102	0.83
DUP 1626613	QC		0.012	4.6	230.7	4.6	52	0.1	3.5	15.9	481	3.39	16.2	5.3	0.7	27	<0.1	0.4	0.3	117	0.95
1626651	Drill Core	6.13	0.017	23.4	276.3	5.0	46	0.1	1.1	11.1	341	3.52	16.0	13.5	0.4	46	0.1	0.3	0.2	105	1.14

QUALITY CONTROL REPORT

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Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ374
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001
Pulp Duplicates																			
1626585	Drill Core	0.141	3	6	2.10	20	0.190	<20	2.95	0.035	0.14	0.4	<0.01	9.3	<0.1	3.59	8	7.3	<0.2
REP 1626585	QC	0.136	3	6	2.16	21	0.191	<20	2.97	0.036	0.14	0.4	<0.01	9.5	<0.1	3.62	8	7.2	<0.2
1626600	Rock Pulp	0.069	4	20	0.59	64	0.035	<20	1.60	0.047	0.28	1.2	0.04	2.2	0.3	2.12	4	3.9	0.7
REP 1626600	QC																		
1626607	Drill Core	0.139	3	5	0.88	46	0.080	<20	1.38	0.097	0.10	0.2	<0.01	2.9	<0.1	0.49	6	1.8	<0.2
REP 1626607	QC																		
1626620	Rock Pulp	0.065	3	22	0.55	62	0.023	<20	1.56	0.050	0.33	1.6	0.04	2.2	0.3	3.48	4	5.0	0.7
REP 1626620	QC	0.064	3	23	0.55	62	0.023	<20	1.53	0.049	0.32	1.5	0.04	2.1	0.3	3.39	4	4.9	0.7
1626650	Rock	0.004	<1	<1	1.32	3	0.002	<20	0.03	0.005	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
REP 1626650	QC	0.004	<1	<1	1.31	3	0.002	<20	0.03	0.005	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
1626685	Drill Core	0.090	2	4	1.86	50	0.093	<20	2.58	0.062	0.23	0.3	0.04	8.8	<0.1	8.09	7	10.3	0.4
REP 1626685	QC	0.091	2	4	1.85	52	0.097	<20	2.51	0.062	0.23	0.3	0.03	8.8	<0.1	8.15	7	9.3	0.5
1626693	Drill Core	0.094	2	3	1.55	55	0.088	<20	3.27	0.092	0.31	0.2	0.03	7.3	0.2	4.32	8	4.5	0.3
REP 1626693	QC	0.096	2	4	1.62	54	0.094	<20	3.42	0.097	0.33	0.3	0.03	7.7	0.2	4.53	8	4.7	0.3
1626699	Drill Core	0.094	2	4	1.95	85	0.127	<20	3.49	0.117	0.57	0.2	0.02	10.0	0.2	5.63	9	5.7	0.7
REP 1626699	QC																		1.114
1626719	Drill Core	0.102	2	3	1.47	57	0.131	<20	2.74	0.066	0.22	0.4	0.02	9.3	<0.1	3.68	7	2.8	0.3
REP 1626719	QC																		
1626720	Rock Pulp	0.069	4	23	0.55	64	0.028	<20	1.56	0.055	0.33	1.7	0.04	2.4	0.3	3.21	5	4.7	0.7
REP 1626720	QC	0.066	3	24	0.55	65	0.029	<20	1.58	0.056	0.33	1.6	0.04	2.4	0.3	3.27	4	5.0	0.8
1626736	Drill Core	0.163	4	7	2.24	16	0.192	<20	2.64	0.097	0.11	0.4	0.01	10.0	<0.1	2.96	8	6.2	<0.2
REP 1626736	QC	0.164	4	7	2.31	15	0.194	<20	2.67	0.102	0.11	0.4	0.01	10.9	<0.1	2.94	8	6.0	<0.2
Core Reject Duplicates																			
1626575	Drill Core	0.180	3	2	1.64	31	0.153	<20	2.07	0.039	0.09	0.4	<0.01	7.9	<0.1	1.93	8	2.8	<0.2
DUP 1626575	QC	0.185	3	2	1.70	32	0.152	<20	2.09	0.041	0.09	0.4	0.01	7.9	<0.1	1.96	7	3.0	<0.2
1626613	Drill Core	0.145	2	4	1.81	16	0.088	<20	1.87	0.060	0.08	0.2	<0.01	7.9	<0.1	0.93	8	3.9	<0.2
DUP 1626613	QC	0.149	2	4	1.97	17	0.111	<20	2.03	0.079	0.10	0.2	<0.01	8.5	<0.1	1.00	8	4.0	<0.2
1626651	Drill Core	0.184	3	2	1.00	43	0.079	<20	1.60	0.084	0.08	0.2	<0.01	3.3	<0.1	0.72	5	1.7	<0.2

QUALITY CONTROL REPORT

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		WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
DUP 1626651	QC		0.014	24.1	273.2	5.4	47	0.1	1.1	11.8	338	3.55	16.4	14.7	0.4	45	0.2	0.3	0.3	103	1.21
1626689	Drill Core	7.52	0.041	3.9	1040.7	11.2	67	0.6	2.6	11.9	846	5.55	22.9	39.6	0.8	61	0.3	0.4	1.0	89	1.11
DUP 1626689	QC		0.041	4.3	1048.8	11.5	71	0.6	2.8	11.1	865	5.57	22.4	39.6	0.7	63	0.3	0.5	1.0	89	1.15
1626727	Drill Core	5.65	0.083	3.4	367.7	7.6	124	1.0	2.5	15.8	1787	8.79	44.2	66.5	0.7	50	0.2	0.6	1.5	106	1.13
DUP 1626727	QC		0.081	3.8	354.2	8.0	127	1.0	2.5	16.7	1867	9.12	45.7	71.3	0.8	56	0.1	0.6	1.5	112	1.19
Reference Materials																					
STD DS10	Standard			13.3	147.9	156.7	363	1.7	73.9	13.5	878	2.78	45.3	78.9	8.0	63	2.9	7.8	12.8	41	1.05
STD DS10	Standard			12.5	140.8	141.7	346	1.7	70.8	11.9	816	2.58	41.3	78.4	6.5	61	2.4	8.1	11.7	40	0.99
STD DS10	Standard			12.5	150.8	156.7	361	1.9	80.5	12.3	879	2.77	43.3	51.5	7.1	64	2.6	8.2	12.9	41	1.03
STD DS10	Standard			13.3	154.1	158.7	383	1.8	79.7	12.8	865	2.80	43.5	62.9	7.4	64	2.5	7.9	12.1	40	1.04
STD DS10	Standard			14.4	158.5	161.9	382	1.7	78.2	13.3	911	2.66	46.7	49.1	7.6	64	2.6	7.9	12.4	43	1.12
STD DS10	Standard			13.4	152.5	153.2	363	1.8	77.6	13.2	852	2.69	46.7	211.8	7.6	65	2.6	7.0	11.6	42	1.04
STD DS10	Standard			12.6	158.9	134.5	358	1.6	78.7	12.6	887	2.80	47.2	64.3	6.6	64	2.4	7.6	11.8	41	1.04
STD GC-7	Standard																				
STD OREAS133B	Standard																				
STD OREAS45EA	Standard			1.6	702.4	15.5	31	0.3	393.9	52.5	425	22.73	10.7	45.0	10.9	4	<0.1	0.3	0.3	329	0.04
STD OREAS45EA	Standard			1.7	645.2	12.7	28	0.2	348.1	45.1	376	19.93	9.8	50.6	9.2	3	<0.1	0.4	0.3	279	0.03
STD OREAS45EA	Standard			1.5	679.8	14.2	30	0.2	370.6	48.3	415	22.22	9.2	40.2	10.1	4	<0.1	0.3	0.2	317	0.04
STD OREAS45EA	Standard			1.3	618.3	13.8	28	0.2	337.2	47.1	390	20.71	7.3	38.2	9.9	3	<0.1	0.3	0.3	296	0.04
STD OREAS45EA	Standard			1.6	723.6	14.5	31	0.3	385.7	51.0	410	23.33	10.0	48.9	10.5	3	<0.1	0.3	0.3	313	0.03
STD OREAS45EA	Standard			1.4	667.8	13.8	30	0.2	374.1	48.3	390	20.33	10.4	45.5	10.1	3	<0.1	0.2	0.3	290	0.03
STD OREAS45EA	Standard			1.2	642.0	13.7	30	0.3	350.6	47.7	396	21.22	8.5	41.8	9.8	4	<0.1	0.2	0.3	304	0.04
STD OXD108	Standard		0.403																		
STD OXD108	Standard		0.402																		
STD OXD108	Standard		0.405																		
STD OXI96	Standard		1.816																		
STD OXI96	Standard		1.827																		
STD OXI96	Standard		1.826																		
STD OXN117	Standard		7.598																		



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Project: North_Rok
 Report Date: June 10, 2014

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Part: 2 of 2

QUALITY CONTROL REPORT

SMI14000250.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ374
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001
DUP 1626651	QC	0.176	3	2	0.97	48	0.081	<20	1.61	0.093	0.09	0.2	<0.01	3.4	<0.1	0.74	5	1.6	<0.2	
1626689	Drill Core	0.106	2	6	0.94	47	0.071	<20	2.34	0.073	0.18	0.5	0.02	7.1	<0.1	3.27	7	4.3	<0.2	
DUP 1626689	QC	0.106	2	7	0.94	62	0.077	<20	2.46	0.081	0.22	0.5	0.03	7.4	<0.1	3.17	7	4.3	0.2	
1626727	Drill Core	0.114	2	3	1.88	34	0.172	<20	2.82	0.017	0.16	0.7	0.05	10.0	0.1	4.89	8	4.6	1.1	
DUP 1626727	QC	0.112	2	3	1.94	36	0.186	<20	2.97	0.018	0.17	0.8	0.05	10.8	0.1	4.97	9	4.6	1.1	
Reference Materials																				
STD DS10	Standard	0.071	17	57	0.77	395	0.076	<20	1.01	0.057	0.33	3.0	0.29	2.7	5.6	0.28	4	2.0	5.0	
STD DS10	Standard	0.070	15	48	0.72	385	0.064	<20	0.93	0.060	0.31	2.9	0.28	2.4	4.8	0.27	4	2.3	4.9	
STD DS10	Standard	0.068	16	55	0.76	407	0.065	<20	0.98	0.055	0.33	3.2	0.28	2.4	5.0	0.28	4	2.4	4.9	
STD DS10	Standard	0.077	16	52	0.78	416	0.067	<20	0.99	0.055	0.33	2.8	0.32	2.6	5.0	0.29	4	2.5	5.1	
STD DS10	Standard	0.074	17	51	0.76	440	0.071	<20	1.02	0.064	0.33	3.1	0.27	2.6	5.3	0.30	4	2.4	4.9	
STD DS10	Standard	0.076	17	52	0.77	415	0.077	<20	1.00	0.065	0.33	3.2	0.28	2.5	5.2	0.28	4	2.2	4.6	
STD DS10	Standard	0.077	16	52	0.77	374	0.076	<20	0.99	0.055	0.33	2.5	0.26	2.5	4.6	0.28	4	2.4	4.2	
STD GC-7	Standard																			0.565
STD OREAS133B	Standard																			0.034
STD OREAS45EA	Standard	0.029	7	862	0.10	145	0.094	<20	3.16	0.008	0.05	<0.1	0.01	81.0	<0.1	<0.05	12	1.0	<0.2	
STD OREAS45EA	Standard	0.027	6	778	0.08	129	0.079	<20	2.92	0.018	0.05	<0.1	0.01	69.5	0.1	<0.05	11	0.9	<0.2	
STD OREAS45EA	Standard	0.029	6	867	0.09	143	0.085	<20	3.00	0.020	0.05	<0.1	<0.01	73.3	<0.1	<0.05	12	0.5	<0.2	
STD OREAS45EA	Standard	0.028	6	807	0.08	140	0.080	<20	2.76	0.008	0.05	<0.1	<0.01	67.9	<0.1	<0.05	11	<0.5	<0.2	
STD OREAS45EA	Standard	0.028	7	882	0.10	151	0.086	<20	3.09	0.019	0.05	<0.1	0.02	80.8	0.2	<0.05	12	0.7	<0.2	
STD OREAS45EA	Standard	0.024	7	800	0.09	137	0.091	<20	3.18	0.020	0.05	<0.1	<0.01	76.4	<0.1	<0.05	12	0.9	<0.2	
STD OREAS45EA	Standard	0.028	7	788	0.09	138	0.088	<20	2.88	0.009	0.05	<0.1	<0.01	77.6	<0.1	<0.05	11	0.7	<0.2	
STD OXD108	Standard																			
STD OXD108	Standard																			
STD OXD108	Standard																			
STD OXI96	Standard																			
STD OXI96	Standard																			
STD OXI96	Standard																			
STD OXN117	Standard																			

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Project: North_Rok
 Report Date: June 10, 2014

Page: 3 of 3

Part: 1 of 2

QUALITY CONTROL REPORT

SMI14000250.1

		WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
STD OXN117	Standard	7.835																			
STD OXN117	Standard	7.832																			
STD OXD108 Expected		0.414																			
STD OXI96 Expected		1.802																			
STD OXN117 Expected		7.679																			
STD DS10 Expected				14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625
STD OREAS45EA Expected				1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036
STD GC-7 Expected																					
STD OREAS133B Expected																					
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	1.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank																				
Prep Wash																					
G1-SMI	Prep Blank	<0.005	0.1	4.6	3.3	47	<0.1	3.0	4.1	577	2.01	<0.5	2.9	6.0	59	<0.1	<0.1	<0.1	36	0.50	
G1-SMI	Prep Blank	<0.005	<0.1	3.0	3.3	43	<0.1	2.8	3.9	549	1.94	<0.5	2.0	6.3	57	<0.1	<0.1	<0.1	34	0.45	



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Project: North_Rok
 Report Date: June 10, 2014

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Part: 2 of 2

QUALITY CONTROL REPORT

SMI14000250.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ374	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	
STD OXN117	Standard																				
STD OXN117	Standard																				
STD OXD108	Expected																				
STD OXI96	Expected																				
STD OXN117	Expected																				
STD DS10	Expected	0.073	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01		
STD OREAS45EA	Expected	0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053			78	0.072	0.036	11.7	0.6	0.07		
STD GC-7	Expected																				0.555
STD OREAS133B	Expected																				0.032
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK	Blank																				0.001
Prep Wash																					
G1-SMI	Prep Blank	0.078	14	7	0.52	170	0.115	<20	0.97	0.080	0.50	<0.1	<0.01	2.1	0.3	<0.05	5	<0.5	<0.2		
G1-SMI	Prep Blank	0.074	14	8	0.49	162	0.117	<20	0.92	0.078	0.46	<0.1	<0.01	2.0	0.3	<0.05	4	<0.5	<0.2		

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Client: Colorado Resources Ltd.
110 - 2300 Carrington Road
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Submitted By: Greg Dawson
Receiving Lab: Canada-Smithers
Received: May 29, 2014
Report Date: June 10, 2014
Page: 1 of 5

CERTIFICATE OF ANALYSIS

SMI14000275.1

CLIENT JOB INFORMATION

Project: North_Rok
Shipment ID: 14-3
P.O. Number
Number of Samples: 114

SAMPLE DISPOSAL

RTRN-PLP Return
STOR-RJT Store After 90 days Invoice for Storage

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

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

CC: Gilles Dessureau
Allan Jacobs

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	108	Crush, split and pulverize 250 g rock to 200 mesh			SMI
FA430	114	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
AQ200	114	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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

CERTIFICATE OF ANALYSIS

SMI14000275.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626737	Drill Core	3.85	0.008	0.6	144.4	9.3	51	0.1	1.4	11.7	479	3.70	23.1	8.9	0.5	46	0.3	0.6	0.2	94	0.94
1626738	Drill Core	5.46	0.005	0.3	119.5	13.4	55	<0.1	1.1	5.7	411	3.52	19.7	4.7	0.5	47	0.3	0.6	<0.1	103	1.09
1626739	Drill Core	5.30	0.008	0.6	94.9	6.0	55	<0.1	1.2	7.8	417	3.46	20.6	4.2	0.4	51	0.2	0.6	<0.1	96	1.27
1626740	Rock Pulp	0.12	0.331	257.8	2395.7	78.6	422	2.5	13.5	11.3	719	4.18	24.8	352.3	3.1	53	2.1	1.2	1.2	27	0.73
1626741	Drill Core	5.76	<0.005	0.4	125.7	4.2	42	<0.1	1.0	10.1	418	3.69	18.4	3.5	0.4	48	0.2	0.5	<0.1	99	1.10
1626742	Drill Core	5.53	<0.005	0.3	68.6	2.3	42	<0.1	1.1	5.9	468	3.70	21.5	1.9	0.5	45	0.2	0.6	<0.1	100	1.17
1626743	Drill Core	5.98	<0.005	0.3	76.0	2.8	35	<0.1	1.0	6.1	397	3.47	21.3	3.0	0.5	43	0.1	0.6	<0.1	93	1.26
1626744	Drill Core	5.97	0.007	0.4	116.0	6.1	37	<0.1	1.3	7.6	410	3.42	24.3	4.9	0.5	34	0.1	0.6	<0.1	89	1.11
1626745	Drill Core	6.25	0.007	0.4	154.8	6.3	38	<0.1	1.0	9.6	385	3.59	20.7	4.0	0.5	29	0.2	0.5	<0.1	95	1.02
1626746	Drill Core	6.62	0.006	0.5	111.7	4.2	44	<0.1	1.4	9.8	445	3.47	22.2	19.9	0.6	50	0.1	0.7	<0.1	97	1.08
1626747	Drill Core	6.64	0.010	0.8	115.8	7.2	48	<0.1	1.6	16.8	488	3.54	30.2	7.6	0.4	40	0.2	0.7	0.2	101	0.97
1626748	Drill Core	5.84	0.012	0.6	102.0	19.5	103	<0.1	2.4	12.5	508	3.02	19.0	3.6	0.6	28	0.4	0.4	0.2	88	0.78
1626749	Drill Core	6.22	0.012	0.8	170.0	5.7	38	<0.1	1.5	9.6	341	3.07	17.8	7.9	0.7	24	0.1	0.5	0.2	98	0.87
1626750	Rock	1.39	<0.005	<0.1	0.9	<0.1	1	<0.1	1.7	0.3	32	0.04	0.6	<0.5	<0.1	3856	<0.1	<0.1	<0.1	<2	38.45
1626751	Drill Core	7.07	0.013	1.4	87.7	52.0	99	0.2	1.9	33.6	342	3.29	26.8	10.0	0.8	34	1.5	0.8	0.8	67	0.80
1626752	Drill Core	6.62	0.025	1.3	66.3	6.4	40	0.3	3.6	20.7	271	4.22	59.3	78.2	0.6	46	0.3	0.6	0.6	64	0.92
1626753	Drill Core	6.24	0.012	1.0	112.2	7.3	41	<0.1	2.5	18.5	301	3.05	27.9	10.2	0.7	55	0.1	0.7	0.4	72	0.75
1626754	Drill Core	6.50	0.018	1.0	28.7	7.1	63	0.2	3.2	18.5	352	3.34	42.4	14.9	0.9	54	0.2	0.8	0.3	58	0.89
1626755	Drill Core	7.57	0.013	0.9	185.7	4.1	66	0.1	2.5	17.9	489	3.54	32.2	10.2	0.6	46	<0.1	0.8	0.4	85	1.37
1626756	Drill Core	5.83	0.027	1.1	207.7	14.2	68	0.2	1.8	29.3	496	4.26	46.3	25.6	0.5	54	<0.1	0.9	1.3	88	1.09
1626757	Drill Core	6.16	0.026	0.8	225.0	18.8	59	0.2	2.2	29.8	400	3.33	45.3	20.8	0.5	53	<0.1	0.8	0.5	72	0.96
1626758	Drill Core	6.28	0.015	0.7	176.5	4.0	41	<0.1	1.8	13.5	332	3.28	26.8	10.5	0.6	65	<0.1	0.8	0.2	94	0.99
1626759	Drill Core	5.86	0.011	0.6	111.9	3.1	42	<0.1	1.4	8.3	425	3.16	21.6	8.4	0.6	42	<0.1	0.8	<0.1	101	1.18
1626760	Rock Pulp	0.12	0.358	240.4	2333.1	79.3	417	2.5	12.4	10.6	685	4.07	26.6	249.9	3.2	55	1.8	1.3	1.1	26	0.71
1626761	Drill Core	5.40	0.013	0.8	194.6	7.2	58	<0.1	1.5	10.4	435	3.43	23.6	12.8	0.5	31	0.4	0.6	0.1	110	1.25
1626762	Drill Core	5.29	0.006	0.7	117.4	3.0	48	<0.1	1.3	4.9	444	3.18	24.0	3.9	0.5	42	0.2	0.7	<0.1	111	1.10
1626763	Drill Core	6.10	0.009	0.8	157.6	1.8	57	<0.1	1.3	8.3	430	3.27	27.8	8.6	0.5	54	0.2	0.8	<0.1	107	1.39
1626764	Drill Core	5.86	0.043	0.6	332.9	5.0	54	0.2	8.0	22.1	482	3.96	38.3	13.9	0.5	58	0.1	0.8	0.2	110	1.17
1626765	Drill Core	5.89	0.012	0.3	170.5	10.4	55	<0.1	2.4	10.5	401	1.97	29.2	5.6	0.4	30	0.2	0.8	0.1	59	1.47
1626766	Drill Core	5.48	<0.005	0.3	145.9	3.7	66	<0.1	1.8	7.9	373	2.01	20.8	2.9	0.7	44	0.3	0.7	<0.1	63	1.23



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Project: North_Rok
 Report Date: June 10, 2014

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CERTIFICATE OF ANALYSIS

SMI14000275.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1626737	Drill Core	0.170	2	2	0.85	40	0.099	<20	1.35	0.082	0.09	0.2	<0.01	3.2	<0.1	0.15	5	<0.5	<0.2
1626738	Drill Core	0.180	2	2	0.65	40	0.085	<20	1.32	0.104	0.08	0.2	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
1626739	Drill Core	0.170	2	2	0.64	65	0.077	<20	1.47	0.088	0.08	0.2	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
1626740	Rock Pulp	0.068	4	18	0.55	57	0.038	<20	1.45	0.047	0.26	1.6	0.05	2.1	0.2	2.08	4	3.5	0.7
1626741	Drill Core	0.176	2	2	0.67	53	0.072	<20	1.37	0.080	0.09	0.2	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
1626742	Drill Core	0.178	2	2	0.71	42	0.071	<20	1.37	0.091	0.09	0.2	<0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
1626743	Drill Core	0.164	2	2	0.60	43	0.066	<20	1.37	0.085	0.10	0.2	<0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
1626744	Drill Core	0.153	2	2	0.59	44	0.069	<20	1.20	0.064	0.10	0.2	<0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
1626745	Drill Core	0.158	2	2	0.47	42	0.061	<20	1.06	0.066	0.09	0.2	<0.01	2.6	<0.1	0.05	4	<0.5	<0.2
1626746	Drill Core	0.165	2	2	0.64	41	0.072	<20	1.24	0.063	0.08	0.2	<0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
1626747	Drill Core	0.158	1	2	0.72	30	0.076	<20	1.25	0.064	0.06	0.2	<0.01	3.9	<0.1	0.19	4	<0.5	<0.2
1626748	Drill Core	0.141	2	8	0.70	29	0.074	<20	1.10	0.058	0.07	0.1	0.02	3.5	<0.1	0.17	4	<0.5	<0.2
1626749	Drill Core	0.135	2	4	0.52	41	0.073	<20	1.02	0.051	0.09	0.2	<0.01	2.5	<0.1	0.15	4	0.6	<0.2
1626750	Rock	0.003	<1	<1	1.20	6	0.001	<20	0.02	0.003	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	0.3
1626751	Drill Core	0.143	2	3	0.66	30	0.098	<20	1.20	0.067	0.07	0.2	0.05	2.7	<0.1	1.66	4	2.8	<0.2
1626752	Drill Core	0.122	2	3	0.77	54	0.099	<20	1.64	0.064	0.14	0.2	<0.01	3.6	<0.1	3.11	5	6.8	0.7
1626753	Drill Core	0.125	2	3	0.65	49	0.094	<20	1.09	0.078	0.09	0.2	<0.01	2.6	<0.1	1.18	4	1.9	<0.2
1626754	Drill Core	0.134	2	3	0.95	35	0.097	<20	1.37	0.043	0.08	0.2	<0.01	3.5	<0.1	2.04	5	3.2	0.4
1626755	Drill Core	0.137	2	5	1.24	28	0.096	<20	1.88	0.045	0.07	0.4	<0.01	4.6	<0.1	1.15	7	0.8	<0.2
1626756	Drill Core	0.174	2	2	1.30	34	0.110	<20	1.78	0.069	0.09	0.3	<0.01	5.1	<0.1	2.14	6	1.6	0.3
1626757	Drill Core	0.149	2	2	1.15	23	0.089	<20	1.49	0.068	0.06	0.2	0.01	3.0	<0.1	1.46	5	1.7	0.4
1626758	Drill Core	0.164	2	4	0.74	37	0.099	<20	1.31	0.098	0.09	0.2	<0.01	2.5	<0.1	0.35	4	<0.5	<0.2
1626759	Drill Core	0.147	2	3	0.91	32	0.082	<20	1.40	0.063	0.09	0.2	0.01	3.6	<0.1	0.12	5	<0.5	<0.2
1626760	Rock Pulp	0.064	4	19	0.53	58	0.032	<20	1.34	0.044	0.24	0.9	0.04	2.1	0.2	2.03	4	3.5	0.5
1626761	Drill Core	0.154	2	3	0.77	34	0.082	<20	1.41	0.068	0.10	0.2	<0.01	3.8	<0.1	0.19	5	0.6	<0.2
1626762	Drill Core	0.155	2	2	0.83	41	0.075	<20	1.31	0.074	0.10	0.2	<0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
1626763	Drill Core	0.189	2	2	1.14	30	0.097	<20	1.73	0.056	0.09	0.3	<0.01	3.4	<0.1	0.05	6	<0.5	<0.2
1626764	Drill Core	0.167	2	10	1.39	53	0.132	<20	1.86	0.104	0.08	0.3	<0.01	3.0	<0.1	0.67	6	1.1	<0.2
1626765	Drill Core	0.163	1	2	1.04	17	0.078	<20	1.63	0.051	0.04	0.3	<0.01	3.5	<0.1	0.52	5	0.5	<0.2
1626766	Drill Core	0.136	2	3	0.82	18	0.080	<20	1.36	0.068	0.05	0.2	<0.01	3.2	<0.1	0.20	4	<0.5	<0.2

CERTIFICATE OF ANALYSIS

SMI14000275.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626767	Drill Core	5.89	0.032	0.8	448.9	9.4	50	0.2	2.0	20.6	274	2.17	25.2	33.0	0.6	19	0.2	0.6	0.5	40	0.87
1626768	Drill Core	6.26	0.026	1.0	473.1	12.5	41	0.2	2.4	12.4	291	2.10	24.1	15.8	0.5	33	<0.1	0.6	0.4	49	0.98
1626769	Drill Core	4.00	0.067	2.8	1025.6	4.8	35	0.4	2.3	10.1	286	2.65	20.2	73.6	0.5	30	0.1	0.6	0.3	65	0.82
1626770	Drill Core	6.24	0.012	0.7	200.7	2.1	54	0.1	1.5	5.0	343	2.97	20.0	16.8	0.6	43	0.2	0.5	0.1	93	1.04
1626771	Drill Core	5.79	0.020	1.3	267.8	3.3	41	0.2	2.4	13.0	369	2.81	24.9	19.5	0.6	58	0.1	0.8	0.2	82	0.94
1626772	Drill Core	5.88	0.012	0.8	110.2	1.9	45	<0.1	1.8	5.7	342	2.83	20.7	5.5	0.7	41	<0.1	0.6	<0.1	97	0.98
1626773	Drill Core	5.59	0.012	0.8	170.5	3.3	60	<0.1	3.0	15.8	467	3.90	25.4	8.5	0.7	59	0.2	0.6	0.1	128	1.06
1626774	Drill Core	2.96	0.016	0.7	237.2	3.8	52	0.1	2.4	12.2	460	4.54	27.9	14.1	0.6	57	0.2	0.7	0.1	148	1.00
1626775	Drill Core	2.32	0.020	0.9	238.6	5.1	52	<0.1	2.7	14.9	454	4.56	33.1	17.4	0.6	59	0.2	0.6	0.2	144	0.98
1626776	Drill Core	5.82	0.027	1.1	262.5	5.0	44	0.2	2.3	15.7	395	4.25	28.7	19.1	0.6	42	0.1	0.6	0.2	128	1.00
1626777	Drill Core	5.82	0.042	0.9	413.0	8.0	50	0.2	2.6	20.0	469	4.24	43.6	30.1	0.6	48	0.2	0.9	0.3	124	1.11
1626778	Drill Core	5.84	0.043	2.3	516.8	5.7	47	0.2	2.0	15.6	533	4.28	43.7	55.3	0.6	82	0.2	0.9	0.3	125	1.50
1626779	Drill Core	6.24	0.030	1.3	347.4	2.7	43	0.2	1.9	10.2	556	3.90	45.3	28.8	0.5	100	0.2	0.7	0.2	105	1.69
1626780	Rock Pulp	0.12	0.298	272.1	2536.7	78.7	457	2.8	14.6	10.9	756	4.42	27.9	655.2	3.0	52	2.2	0.9	1.1	31	0.87
1626781	Drill Core	5.79	0.028	5.0	359.6	14.2	125	0.3	2.4	43.3	704	6.49	52.2	24.8	0.4	78	0.8	0.6	1.0	93	1.25
1626782	Drill Core	6.35	0.180	3.5	2402.7	110.5	731	2.3	2.2	33.0	925	10.82	77.0	270.7	0.5	68	8.9	0.9	1.9	86	0.88
1626783	Drill Core	6.26	0.151	1.5	2171.5	68.5	189	3.1	2.3	30.8	867	7.36	75.4	132.2	0.4	109	2.5	1.4	3.2	103	1.51
1626784	Drill Core	4.96	0.032	1.1	916.5	7.6	78	0.6	35.3	20.7	712	4.57	38.0	22.8	1.6	89	0.3	0.7	1.0	107	1.71
1626785	Drill Core	5.88	0.033	1.0	573.2	9.2	46	0.3	9.1	34.0	291	4.47	36.3	43.6	0.5	46	0.3	0.5	1.2	55	0.96
1626786	Drill Core	5.98	0.013	0.2	220.6	13.5	83	0.2	2.1	10.3	396	2.44	26.1	5.2	0.6	23	0.6	0.5	0.5	74	0.80
1626787	Drill Core	5.09	0.016	1.3	274.5	6.3	61	0.2	1.6	29.0	474	4.08	39.5	10.6	0.5	38	0.1	0.5	1.1	105	1.23
1626788	Drill Core	3.35	0.014	0.8	184.7	3.3	56	0.1	1.3	15.7	566	3.47	34.3	6.1	0.4	97	<0.1	0.5	0.5	130	1.55
1626789	Drill Core	9.22	0.017	0.8	298.9	3.9	38	0.2	1.1	12.6	355	3.92	34.4	9.9	0.4	100	0.2	0.5	0.5	122	1.83
1626790	Rock	1.37	<0.005	<0.1	0.7	<0.1	<1	<0.1	<0.1	<0.1	28	0.03	<0.5	<0.5	<0.1	3896	<0.1	<0.1	<0.1	<2	35.02
1626791	Drill Core	5.96	0.024	1.7	383.2	5.2	53	0.2	2.0	16.0	412	3.56	38.1	19.1	0.5	59	0.1	0.7	0.7	74	1.14
1626792	Drill Core	5.91	0.020	1.0	296.5	3.4	52	0.2	2.3	16.2	438	4.05	32.0	9.6	0.5	65	<0.1	0.6	0.5	91	1.17
1626793	Drill Core	4.64	0.020	0.7	320.6	9.1	66	0.3	3.6	28.5	498	4.53	36.7	19.6	0.5	71	<0.1	0.5	1.1	102	1.32
1626794	Drill Core	6.06	0.010	1.4	166.8	18.9	71	0.2	2.2	14.4	394	2.59	23.6	1.1	0.5	37	0.3	0.7	0.5	85	0.82
1626795	Drill Core	6.05	0.023	3.2	391.7	6.5	49	0.2	1.9	21.4	342	3.90	41.2	12.3	0.3	57	0.1	0.5	0.7	90	1.14
1626796	Drill Core	5.81	0.018	1.4	257.3	4.6	67	0.2	2.0	18.5	509	5.06	39.7	17.6	0.4	38	<0.1	0.5	0.6	162	0.82

CERTIFICATE OF ANALYSIS

SMI14000275.1

Method Analyte	Unit	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
MDL		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
1626767	Drill Core	0.130	1	3	0.73	13	0.081	<20	0.90	0.069	0.04	0.2	<0.01	2.7	<0.1	1.24	3	1.5	<0.2	
1626768	Drill Core	0.143	2	3	0.80	17	0.083	<20	1.08	0.064	0.05	0.2	<0.01	2.5	<0.1	0.85	3	1.6	<0.2	
1626769	Drill Core	0.138	1	4	0.71	21	0.071	<20	0.88	0.058	0.05	0.1	<0.01	2.1	<0.1	0.70	3	1.2	<0.2	
1626770	Drill Core	0.143	3	1	0.77	30	0.104	<20	1.19	0.067	0.07	0.2	<0.01	3.3	<0.1	0.21	4	<0.5	<0.2	
1626771	Drill Core	0.156	2	4	0.89	25	0.113	<20	1.17	0.070	0.07	0.2	0.01	3.0	<0.1	0.52	4	<0.5	<0.2	
1626772	Drill Core	0.147	3	5	1.06	29	0.104	<20	1.24	0.070	0.07	0.2	0.01	2.8	<0.1	0.17	4	<0.5	<0.2	
1626773	Drill Core	0.141	3	5	1.68	36	0.176	<20	1.91	0.137	0.08	0.3	<0.01	4.6	<0.1	0.51	7	0.6	<0.2	
1626774	Drill Core	0.145	2	4	1.77	31	0.184	<20	1.76	0.112	0.08	0.3	<0.01	4.4	<0.1	0.41	7	0.6	<0.2	
1626775	Drill Core	0.148	3	4	1.73	36	0.187	<20	1.75	0.125	0.09	0.3	<0.01	4.7	<0.1	0.54	7	0.7	<0.2	
1626776	Drill Core	0.143	2	5	1.05	34	0.136	<20	1.57	0.153	0.10	0.3	0.02	3.3	<0.1	0.84	6	1.5	<0.2	
1626777	Drill Core	0.143	2	3	1.23	35	0.150	<20	1.79	0.163	0.08	0.2	0.02	3.5	<0.1	1.27	6	1.4	<0.2	
1626778	Drill Core	0.144	2	3	1.75	44	0.167	<20	2.87	0.271	0.15	0.2	0.02	5.2	<0.1	1.50	8	2.2	0.3	
1626779	Drill Core	0.161	2	2	1.28	110	0.124	<20	2.90	0.301	0.13	0.3	0.02	4.1	<0.1	0.96	7	0.9	<0.2	
1626780	Rock Pulp	0.073	5	20	0.57	61	0.041	<20	1.60	0.051	0.29	1.3	0.06	2.4	0.2	2.35	4	3.8	0.5	
1626781	Drill Core	0.188	3	2	1.51	48	0.105	<20	2.02	0.162	0.10	0.3	0.05	4.3	<0.1	3.97	6	3.4	0.6	
1626782	Drill Core	0.147	3	1	1.39	14	0.086	25	1.81	0.086	0.11	0.5	0.27	5.8	<0.1	9.81	6	6.0	1.1	
1626783	Drill Core	0.164	5	2	1.56	36	0.097	<20	2.72	0.202	0.10	0.3	0.16	5.8	<0.1	5.06	8	5.1	2.5	
1626784	Drill Core	0.128	2	35	2.70	82	0.128	<20	3.76	0.278	0.12	0.3	0.02	7.3	<0.1	2.33	8	1.0	<0.2	
1626785	Drill Core	0.162	2	8	1.27	25	0.103	<20	1.42	0.160	0.05	0.2	<0.01	2.5	<0.1	3.50	4	2.4	<0.2	
1626786	Drill Core	0.140	2	2	1.65	23	0.092	<20	1.33	0.078	0.07	0.2	<0.01	3.3	<0.1	1.26	5	1.0	<0.2	
1626787	Drill Core	0.176	2	2	2.15	22	0.112	<20	2.20	0.167	0.06	0.4	0.01	6.0	<0.1	2.56	7	1.9	<0.2	
1626788	Drill Core	0.215	2	1	1.78	32	0.109	<20	2.93	0.328	0.07	0.3	0.01	5.4	<0.1	1.28	7	0.8	<0.2	
1626789	Drill Core	0.201	2	1	0.91	44	0.104	<20	2.76	0.382	0.10	0.2	0.01	3.4	<0.1	1.33	6	0.8	<0.2	
1626790	Rock	0.003	<1	<1	1.43	4	<0.001	<20	0.02	0.005	<0.01	<0.1	<0.01	0.1	<0.1	0.05	<1	<0.5	0.2	
1626791	Drill Core	0.150	2	2	1.17	39	0.096	<20	1.71	0.131	0.09	0.4	0.02	3.6	<0.1	2.19	5	1.2	<0.2	
1626792	Drill Core	0.159	2	2	1.46	33	0.098	<20	2.08	0.184	0.08	0.3	0.01	4.3	<0.1	1.47	7	0.9	<0.2	
1626793	Drill Core	0.157	2	2	1.58	32	0.112	<20	2.46	0.296	0.09	0.3	0.01	5.4	<0.1	2.73	7	1.9	0.3	
1626794	Drill Core	0.142	3	2	1.54	20	0.109	<20	1.40	0.133	0.06	0.4	0.01	4.6	<0.1	1.39	5	0.9	<0.2	
1626795	Drill Core	0.156	2	2	1.10	29	0.083	<20	1.89	0.224	0.08	0.3	<0.01	3.4	<0.1	1.89	5	1.0	<0.2	
1626796	Drill Core	0.171	2	2	2.46	26	0.104	<20	1.97	0.107	0.07	0.4	<0.01	8.3	<0.1	1.62	8	1.4	<0.2	

CERTIFICATE OF ANALYSIS

SMI14000275.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626797	Drill Core	6.24	0.023	4.2	296.2	8.3	54	0.2	2.1	17.2	526	4.99	32.5	19.7	0.5	79	0.1	0.6	0.6	160	1.51
1626798	Drill Core	5.73	0.011	1.0	275.6	3.3	46	0.1	1.7	15.3	364	4.82	28.4	8.6	0.4	69	<0.1	0.6	0.3	168	1.26
1626799	Drill Core	6.50	0.010	1.1	221.1	4.7	57	0.1	1.7	18.7	417	4.34	30.8	6.1	0.5	68	<0.1	0.5	0.2	159	1.68
1626800	Rock Pulp	0.13	0.486	15.9	3840.8	104.1	927	4.4	15.2	12.6	777	5.08	26.2	367.2	2.2	55	4.8	0.7	1.2	29	0.84
1626801	Drill Core	6.47	0.020	1.5	258.5	4.2	47	0.1	1.1	15.9	374	3.81	28.7	9.9	0.5	101	<0.1	0.6	0.2	135	1.70
1626802	Drill Core	6.32	0.019	1.9	480.9	7.9	47	0.3	2.2	22.5	356	4.10	30.1	11.0	0.5	61	0.3	0.5	0.5	100	1.36
1626803	Drill Core	6.16	<0.005	1.2	113.9	1.7	44	<0.1	1.1	7.4	411	3.52	23.2	4.4	0.5	92	<0.1	0.5	<0.1	117	1.41
1626804	Drill Core	6.08	0.016	1.5	289.7	4.0	56	0.1	2.1	14.2	536	4.43	25.7	16.9	0.6	93	0.2	0.6	0.1	147	1.57
1626805	Drill Core	5.75	0.015	1.4	139.8	4.5	54	<0.1	2.1	15.8	551	4.27	36.5	15.6	0.6	70	0.3	0.6	0.3	132	1.09
1626806	Drill Core	5.98	0.010	0.9	144.8	3.2	52	<0.1	2.1	11.9	491	4.28	28.4	11.3	0.6	74	0.1	0.6	<0.1	145	1.04
1626807	Drill Core	6.34	0.020	1.6	285.7	5.0	49	0.1	1.8	11.2	372	3.86	25.7	10.2	0.4	61	0.2	0.7	0.2	115	1.03
1626808	Drill Core	6.39	0.019	2.0	194.5	6.2	50	0.1	2.6	15.9	411	4.31	32.6	14.4	0.5	66	0.1	0.5	0.5	112	0.98
1626809	Drill Core	6.13	0.020	1.5	207.6	5.3	47	0.1	2.0	13.4	363	3.60	26.0	16.6	0.5	82	0.2	0.6	0.4	105	1.00
1626810	Drill Core	6.23	0.020	2.2	220.2	5.7	45	0.1	2.3	15.2	468	4.38	28.9	14.1	0.5	83	0.2	0.5	0.8	123	1.23
1626811	Drill Core	6.19	0.011	1.0	146.7	4.7	46	<0.1	2.0	13.7	364	4.06	20.1	4.3	0.4	78	0.1	0.5	0.4	114	0.94
1626812	Drill Core	6.13	0.017	1.5	242.0	8.1	50	0.2	2.0	19.6	371	3.82	19.5	14.4	0.4	106	0.2	0.5	0.4	109	1.09
1626813	Drill Core	5.11	0.015	1.0	221.8	3.6	72	0.1	2.0	18.4	732	4.98	30.1	12.0	0.5	126	0.1	0.5	0.3	162	1.12
1626814	Drill Core	3.84	0.015	1.5	264.0	5.8	54	0.1	2.3	18.5	535	4.08	24.8	8.0	0.6	151	0.1	0.6	0.4	125	0.86
1626815	Drill Core	5.18	0.017	2.3	344.1	6.8	66	0.2	2.0	23.2	578	4.59	22.9	13.1	0.7	165	0.2	0.5	0.4	142	1.01
1626816	Drill Core	5.85	0.023	2.6	304.3	3.5	59	0.2	1.9	14.8	515	4.42	24.6	16.7	0.7	149	<0.1	0.4	0.4	151	1.35
1626817	Drill Core	6.15	0.020	2.6	342.3	7.5	64	0.2	1.9	13.9	487	4.44	26.2	18.1	0.5	108	0.2	0.6	0.5	122	1.21
1626818	Drill Core	6.25	0.028	4.8	444.6	4.7	59	0.3	1.9	14.6	448	3.90	24.0	24.2	0.6	60	0.2	0.7	0.4	108	1.15
1626819	Drill Core	6.38	0.026	2.8	488.8	10.0	60	0.3	2.1	17.4	439	4.03	27.1	15.3	0.5	78	0.3	0.6	0.8	88	1.04
1626820	Rock Pulp	0.13	0.531	14.6	3557.0	98.1	831	4.0	13.2	12.0	707	4.68	25.9	389.0	2.1	57	4.5	0.8	1.3	26	0.82
1626821	Drill Core	6.34	0.024	2.5	381.4	7.8	58	0.2	2.0	15.3	445	3.91	27.0	15.1	0.6	118	0.2	0.9	0.8	97	1.32
1626822	Drill Core	6.44	0.026	2.2	445.7	7.1	55	0.2	2.0	22.2	521	5.18	33.0	34.7	0.5	121	0.2	0.9	0.9	82	1.76
1626823	Drill Core	5.54	0.129	1.7	1443.5	7.2	97	1.3	2.0	19.4	891	7.97	58.8	101.4	0.4	92	0.6	1.0	1.0	118	1.79
1626824	Drill Core	3.07	0.090	3.9	1389.4	8.9	92	1.1	2.1	29.8	928	7.20	92.9	63.7	0.5	99	0.5	1.1	1.0	95	1.66
1626825	Drill Core	2.36	0.123	3.4	1623.9	8.7	93	1.4	2.0	25.0	930	7.90	88.5	140.2	0.5	92	0.7	1.1	1.0	92	1.64
1626826	Drill Core	5.93	0.024	2.7	353.0	10.1	77	0.4	1.8	13.7	817	5.22	45.9	21.9	0.5	194	0.2	0.9	0.8	100	2.32

CERTIFICATE OF ANALYSIS

SMI14000275.1

Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
1626797	Drill Core	0.161	2	2	1.99	29	0.132	<20	2.97	0.252	0.09	0.3	0.01	7.7	<0.1	1.62	9	1.8	<0.2
1626798	Drill Core	0.170	2	1	1.31	31	0.104	<20	2.09	0.218	0.08	0.2	<0.01	5.0	<0.1	0.79	6	0.6	<0.2
1626799	Drill Core	0.188	3	2	1.09	34	0.107	<20	2.42	0.205	0.08	0.3	0.01	4.7	<0.1	0.63	6	<0.5	<0.2
1626800	Rock Pulp	0.071	4	25	0.54	67	0.029	<20	1.47	0.054	0.32	1.0	0.05	2.2	0.4	3.34	4	5.1	0.6
1626801	Drill Core	0.179	3	1	0.99	33	0.103	<20	2.22	0.204	0.08	0.3	0.02	3.8	<0.1	0.79	6	<0.5	<0.2
1626802	Drill Core	0.165	2	3	0.91	30	0.095	<20	1.85	0.183	0.08	0.2	<0.01	2.5	<0.1	1.49	6	0.9	<0.2
1626803	Drill Core	0.181	3	2	1.08	47	0.101	<20	2.10	0.187	0.11	0.2	<0.01	2.1	<0.1	0.16	6	<0.5	<0.2
1626804	Drill Core	0.148	2	3	1.64	37	0.174	<20	2.59	0.248	0.10	0.2	<0.01	3.8	<0.1	0.61	7	0.9	<0.2
1626805	Drill Core	0.135	2	3	1.79	30	0.128	<20	2.28	0.166	0.24	0.1	<0.01	5.6	<0.1	0.97	7	0.7	<0.2
1626806	Drill Core	0.130	2	4	1.95	43	0.176	<20	2.19	0.162	0.30	<0.1	0.04	4.8	<0.1	0.34	7	0.6	<0.2
1626807	Drill Core	0.134	2	4	0.94	27	0.100	<20	1.44	0.131	0.08	0.1	0.01	1.7	<0.1	0.37	5	0.6	<0.2
1626808	Drill Core	0.132	2	6	1.05	28	0.094	<20	1.77	0.160	0.19	0.1	0.02	3.1	<0.1	1.19	6	0.9	<0.2
1626809	Drill Core	0.137	2	4	0.92	30	0.080	<20	1.48	0.171	0.10	0.2	0.01	1.9	<0.1	1.00	5	<0.5	<0.2
1626810	Drill Core	0.136	2	5	1.64	39	0.131	<20	2.23	0.209	0.35	0.2	<0.01	4.7	<0.1	1.86	6	1.1	<0.2
1626811	Drill Core	0.141	2	4	0.96	24	0.070	<20	1.40	0.139	0.08	0.1	<0.01	2.2	<0.1	0.97	5	1.0	<0.2
1626812	Drill Core	0.140	2	4	0.92	28	0.066	<20	1.40	0.107	0.08	0.2	<0.01	2.7	<0.1	0.98	5	0.9	<0.2
1626813	Drill Core	0.147	2	3	2.65	31	0.152	<20	2.43	0.067	0.08	0.4	<0.01	9.1	<0.1	0.76	8	<0.5	<0.2
1626814	Drill Core	0.136	2	3	1.85	44	0.099	<20	1.96	0.123	0.10	0.3	<0.01	5.6	<0.1	0.96	6	1.1	<0.2
1626815	Drill Core	0.131	3	<1	2.22	44	0.132	<20	2.48	0.189	0.11	0.2	<0.01	6.9	<0.1	1.26	8	0.9	<0.2
1626816	Drill Core	0.133	3	4	2.02	40	0.148	<20	2.98	0.272	0.17	0.2	<0.01	6.1	<0.1	0.88	8	1.1	<0.2
1626817	Drill Core	0.139	2	3	1.29	33	0.102	<20	2.03	0.191	0.09	0.2	<0.01	3.2	<0.1	1.16	6	1.4	<0.2
1626818	Drill Core	0.136	2	4	0.98	26	0.089	<20	1.59	0.121	0.08	0.3	<0.01	2.9	<0.1	1.21	5	1.0	<0.2
1626819	Drill Core	0.143	2	3	0.88	29	0.071	<20	1.62	0.174	0.07	0.3	0.02	2.0	<0.1	1.82	4	1.1	<0.2
1626820	Rock Pulp	0.060	3	24	0.49	58	0.023	<20	1.31	0.049	0.29	1.0	0.05	2.0	0.3	3.38	4	5.1	0.8
1626821	Drill Core	0.142	2	4	0.88	39	0.097	<20	2.19	0.262	0.15	0.2	0.01	3.3	<0.1	1.81	5	1.5	<0.2
1626822	Drill Core	0.135	2	3	1.03	39	0.091	<20	3.02	0.261	0.17	0.2	0.01	3.8	<0.1	3.37	7	2.3	0.2
1626823	Drill Core	0.130	2	3	1.71	67	0.113	<20	2.94	0.143	0.14	0.3	0.02	7.3	<0.1	4.54	8	3.0	0.6
1626824	Drill Core	0.133	2	8	1.57	74	0.090	<20	3.02	0.205	0.12	0.3	0.03	6.5	<0.1	4.78	8	3.0	0.6
1626825	Drill Core	0.128	2	3	1.57	60	0.086	<20	2.95	0.201	0.11	0.3	0.02	6.0	<0.1	5.24	8	3.7	0.7
1626826	Drill Core	0.147	2	3	0.99	56	0.063	<20	4.07	0.533	0.11	0.1	0.02	4.8	<0.1	2.90	9	2.4	<0.2



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Project: North_Rok
 Report Date: June 10, 2014

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CERTIFICATE OF ANALYSIS

SMI14000275.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626827	Drill Core	4.76	0.026	2.5	439.6	11.0	84	0.4	2.4	16.4	862	5.27	37.9	19.7	0.4	137	0.2	0.7	1.0	98	1.75
1626828	Drill Core	2.37	0.029	1.6	523.9	9.9	131	0.9	2.1	17.4	1015	5.83	36.0	25.2	0.6	92	<0.1	0.8	1.2	113	1.31
1626829	Drill Core	4.35	0.242	1.6	1768.8	4.9	79	1.4	1.9	13.1	691	5.06	34.1	231.1	0.6	137	0.2	1.1	1.4	72	1.56
1626830	Drill Core	3.84	1.051	1.1	3517.9	9.2	155	7.3	2.7	39.0	1155	15.03	37.6	1157.9	0.4	64	1.0	1.0	3.3	49	4.50
1626831	Drill Core	5.56	0.030	2.4	461.4	7.1	70	0.5	1.4	15.7	826	4.30	35.9	30.2	0.7	154	0.2	0.6	0.6	101	1.93
1626832	Drill Core	6.27	0.019	1.7	319.7	5.2	77	0.4	2.1	19.1	802	4.35	27.0	12.9	0.7	122	<0.1	0.5	0.7	110	1.52
1626833	Drill Core	6.01	0.030	2.3	452.2	7.7	61	0.5	2.1	17.5	573	3.91	37.6	18.5	0.6	139	0.2	0.7	0.7	101	1.53
1626834	Drill Core	6.26	0.017	1.7	211.4	4.4	48	0.2	1.9	12.1	461	3.86	21.4	12.2	0.6	101	0.1	0.7	0.2	119	1.39
1626835	Drill Core	6.26	0.023	1.5	202.4	3.9	41	0.2	1.6	9.6	402	4.16	16.7	10.0	0.7	99	0.1	0.8	0.1	147	1.63
1626836	Drill Core	5.85	0.013	1.5	140.1	2.2	46	<0.1	1.5	7.0	440	3.35	14.7	10.9	0.5	80	<0.1	0.6	<0.1	122	1.25
1626837	Drill Core	6.61	0.010	0.6	89.0	1.9	43	<0.1	1.5	6.0	425	3.32	16.2	7.8	0.6	66	0.1	0.7	<0.1	127	1.22
1626838	Drill Core	2.39	<0.005	0.5	96.0	8.9	39	<0.1	1.4	5.1	339	2.41	16.4	4.4	0.5	59	0.1	0.6	0.1	93	1.38
1626839	Drill Core	6.24	0.018	2.9	256.0	5.7	54	0.3	1.9	12.7	444	3.71	18.2	16.2	0.5	81	0.1	0.6	0.3	111	1.16
1626840	Rock Pulp	0.13	0.330	281.4	2400.3	80.2	437	2.5	12.4	10.0	734	4.28	26.5	231.9	3.4	51	2.3	1.4	1.1	30	0.77
1626841	Drill Core	6.32	0.021	1.4	202.1	1.9	62	0.1	1.9	10.2	535	4.12	16.3	24.5	0.5	86	0.1	0.8	<0.1	146	1.33
1626842	Drill Core	6.05	0.183	1.7	998.9	5.6	68	0.7	2.1	8.9	571	4.07	19.8	184.5	0.6	102	0.2	1.2	0.1	151	1.62
1626843	Drill Core	6.15	0.027	1.9	543.2	8.4	80	0.4	2.0	13.9	539	3.72	28.1	15.3	0.6	89	0.5	1.0	0.3	129	1.80
1626844	Drill Core	6.53	0.022	1.6	333.5	8.6	70	0.4	2.4	22.2	541	4.25	50.4	19.9	0.6	95	0.3	1.2	0.7	124	1.77
1626845	Drill Core	5.88	0.017	1.6	409.9	14.6	84	0.4	2.7	33.3	600	4.58	41.3	12.3	0.5	55	0.2	1.1	0.6	112	1.51
1626846	Drill Core	3.97	0.019	1.8	268.6	7.8	69	0.2	1.5	9.0	435	3.65	24.3	13.2	0.6	61	0.3	0.9	0.3	132	1.47
1626847	Drill Core	4.66	0.043	1.6	385.7	5.2	71	0.3	1.8	8.7	475	3.76	23.9	38.7	0.6	69	0.2	1.0	0.2	143	1.67
1626848	Drill Core	5.61	0.241	4.0	2288.3	9.7	135	1.6	2.5	9.0	476	3.94	21.5	167.4	0.8	49	1.8	0.9	0.3	127	1.18
1626849	Drill Core	6.33	0.265	6.3	3001.7	9.1	159	2.4	3.6	15.9	462	3.84	25.4	195.6	0.6	50	1.2	1.0	0.4	98	1.09
1626850	Rock	2.63	<0.005	<0.1	3.7	<0.1	<1	<0.1	<0.1	<0.1	28	0.03	<0.5	0.8	<0.1	4092	<0.1	<0.1	<0.1	<2	34.89

CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
MDL		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
1626827	Drill Core	0.137	2	3	1.76	79	0.066	<20	3.25	0.328	0.08	0.2	0.02	5.2	<0.1	3.44	9	2.3	0.2	
1626828	Drill Core	0.145	2	3	2.29	112	0.117	<20	2.93	0.145	0.09	0.6	0.01	6.9	<0.1	2.82	9	2.4	0.4	
1626829	Drill Core	0.128	3	3	1.43	112	0.094	<20	2.62	0.223	0.10	0.2	0.03	4.4	<0.1	3.32	7	3.4	0.8	
1626830	Drill Core	0.072	3	2	1.39	17	0.053	<20	1.45	0.055	0.06	1.3	0.07	2.5	<0.1	>10	5	20.9	6.2	
1626831	Drill Core	0.146	3	3	1.63	120	0.136	<20	3.19	0.270	0.12	0.3	0.02	5.1	<0.1	2.06	7	2.2	0.2	
1626832	Drill Core	0.135	3	3	1.85	51	0.173	<20	2.74	0.187	0.06	0.3	0.01	5.0	<0.1	2.12	7	1.1	<0.2	
1626833	Drill Core	0.149	3	3	1.32	45	0.124	<20	2.35	0.170	0.08	0.2	0.01	3.4	<0.1	1.93	6	1.0	<0.2	
1626834	Drill Core	0.134	3	3	1.01	36	0.121	<20	2.20	0.179	0.08	0.1	<0.01	1.6	<0.1	0.83	6	0.8	<0.2	
1626835	Drill Core	0.145	3	4	0.73	53	0.127	<20	2.12	0.204	0.12	0.2	<0.01	1.7	<0.1	0.20	6	<0.5	<0.2	
1626836	Drill Core	0.141	3	3	0.81	33	0.111	<20	1.58	0.124	0.07	0.2	<0.01	1.8	<0.1	0.13	5	<0.5	<0.2	
1626837	Drill Core	0.137	3	3	0.84	34	0.110	<20	1.60	0.121	0.09	0.2	<0.01	2.3	<0.1	0.08	5	<0.5	<0.2	
1626838	Drill Core	0.141	3	2	0.73	24	0.104	<20	1.53	0.128	0.07	0.1	<0.01	1.7	<0.1	0.21	5	<0.5	<0.2	
1626839	Drill Core	0.141	3	3	0.95	31	0.101	<20	1.76	0.133	0.08	0.2	<0.01	2.0	<0.1	0.73	5	0.7	<0.2	
1626840	Rock Pulp	0.073	4	18	0.55	60	0.036	<20	1.53	0.050	0.27	1.3	0.05	2.1	0.3	2.08	4	3.3	0.7	
1626841	Drill Core	0.168	4	2	1.00	41	0.142	<20	2.04	0.163	0.09	0.3	0.01	2.9	<0.1	0.29	6	<0.5	<0.2	
1626842	Drill Core	0.155	4	2	1.09	41	0.145	<20	2.22	0.138	0.11	0.4	<0.01	3.5	<0.1	0.48	7	<0.5	<0.2	
1626843	Drill Core	0.150	3	2	0.88	40	0.147	<20	2.13	0.140	0.09	0.3	<0.01	3.4	<0.1	0.91	6	0.8	<0.2	
1626844	Drill Core	0.140	3	2	0.89	50	0.157	<20	2.56	0.278	0.12	0.3	0.02	4.4	<0.1	1.78	7	1.3	<0.2	
1626845	Drill Core	0.159	3	2	1.17	36	0.152	<20	2.26	0.155	0.09	0.3	0.03	6.1	<0.1	2.50	7	1.6	<0.2	
1626846	Drill Core	0.150	3	2	0.70	46	0.131	<20	1.70	0.147	0.10	0.3	0.01	2.1	<0.1	0.68	6	0.7	<0.2	
1626847	Drill Core	0.153	4	2	0.79	46	0.124	<20	2.04	0.180	0.10	0.2	<0.01	2.5	<0.1	0.45	6	0.5	<0.2	
1626848	Drill Core	0.146	3	5	0.70	35	0.120	<20	1.29	0.079	0.10	0.3	0.04	3.1	<0.1	0.68	5	1.8	<0.2	
1626849	Drill Core	0.149	3	3	0.56	37	0.109	<20	1.09	0.078	0.10	0.3	0.05	2.7	<0.1	1.04	5	3.1	<0.2	
1626850	Rock	0.003	<1	<1	1.73	5	<0.001	<20	0.02	0.004	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	0.3	

QUALITY CONTROL REPORT

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Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
1626748	Drill Core	5.84	0.012	0.6	102.0	19.5	103	<0.1	2.4	12.5	508	3.02	19.0	3.6	0.6	28	0.4	0.4	0.2	88	0.78
REP 1626748	QC	0.013																			
1626755	Drill Core	7.57	0.013	0.9	185.7	4.1	66	0.1	2.5	17.9	489	3.54	32.2	10.2	0.6	46	<0.1	0.8	0.4	85	1.37
REP 1626755	QC	1.0 182.7 4.0 68 0.1 2.5 18.0 482 3.50 31.7 8.4 0.6 47 <0.1 0.8 0.3 84 1.35																			
1626790	Rock	1.37	<0.005	<0.1	0.7	<0.1	<1	<0.1	<0.1	<0.1	28	0.03	<0.5	<0.5	<0.1	3896	<0.1	<0.1	<0.1	<2	35.02
REP 1626790	QC	<0.1 0.9 <0.1 <1 <0.1 <0.1 <0.1 27 0.04 <0.5 <0.5 <0.1 4070 <0.1 <0.1 <0.1 <2 35.16																			
1626791	Drill Core	5.96	0.024	1.7	383.2	5.2	53	0.2	2.0	16.0	412	3.56	38.1	19.1	0.5	59	0.1	0.7	0.7	74	1.14
REP 1626791	QC	0.024																			
1626825	Drill Core	2.36	0.123	3.4	1623.9	8.7	93	1.4	2.0	25.0	930	7.90	88.5	140.2	0.5	92	0.7	1.1	1.0	92	1.64
REP 1626825	QC	0.126 3.5 1637.6 8.8 96 1.4 2.1 24.6 955 8.14 91.5 127.2 0.4 92 0.7 1.1 1.1 94 1.63																			
1626850	Rock	2.63	<0.005	<0.1	3.7	<0.1	<1	<0.1	<0.1	<0.1	28	0.03	<0.5	0.8	<0.1	4092	<0.1	<0.1	<0.1	<2	34.89
REP 1626850	QC	<0.005																			
Core Reject Duplicates																					
1626747	Drill Core	6.64	0.010	0.8	115.8	7.2	48	<0.1	1.6	16.8	488	3.54	30.2	7.6	0.4	40	0.2	0.7	0.2	101	0.97
DUP 1626747	QC	0.010 0.7 109.1 6.6 47 0.1 1.4 16.2 475 3.43 29.6 9.6 0.4 42 0.2 0.7 0.2 100 0.97																			
1626785	Drill Core	5.88	0.033	1.0	573.2	9.2	46	0.3	9.1	34.0	291	4.47	36.3	43.6	0.5	46	0.3	0.5	1.2	55	0.96
DUP 1626785	QC	0.035 0.8 533.4 8.3 42 0.3 8.2 30.7 271 4.07 32.8 28.6 0.4 41 0.3 0.4 1.1 51 0.94																			
1626823	Drill Core	5.54	0.129	1.7	1443.5	7.2	97	1.3	2.0	19.4	891	7.97	58.8	101.4	0.4	92	0.6	1.0	1.0	118	1.79
DUP 1626823	QC	0.138 1.8 1450.6 7.1 93 1.2 1.8 20.3 912 8.31 56.4 122.7 0.4 89 0.5 1.0 1.0 119 1.62																			
Reference Materials																					
STD DS10	Standard	12.0 147.6 144.2 337 1.6 70.4 11.7 814 2.46 42.4 65.0 6.9 59 2.3 7.9 11.0 40 1.01																			
STD DS10	Standard	11.1 155.0 158.8 346 1.7 75.3 13.0 866 2.62 43.8 61.0 7.5 71 2.4 7.9 13.7 41 0.97																			
STD DS10	Standard	11.5 151.9 159.5 348 1.9 72.4 13.3 842 2.54 43.8 67.7 7.2 69 2.4 7.6 13.4 38 0.99																			
STD DS10	Standard	12.6 152.3 146.8 352 1.8 72.5 12.2 877 2.69 42.2 54.3 6.7 62 2.5 6.8 12.0 43 0.99																			
STD OREAS45EA	Standard	1.5 724.4 14.8 32 0.3 402.2 49.8 417 24.54 11.7 49.2 11.5 4 <0.1 0.3 0.3 309 0.04																			
STD OREAS45EA	Standard	1.3 617.6 15.5 28 0.2 333.7 51.5 378 22.04 6.2 44.3 10.8 4 <0.1 0.3 0.3 287 0.03																			
STD OREAS45EA	Standard	1.3 618.6 14.7 26 0.3 333.8 49.7 389 20.03 7.2 43.5 10.4 4 <0.1 0.3 0.3 271 0.03																			
STD OREAS45EA	Standard	1.6 672.0 13.3 28 0.3 358.1 50.5 391 22.80 8.8 57.7 9.7 4 <0.1 0.2 0.3 296 0.04																			

QUALITY CONTROL REPORT

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Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
1626748	Drill Core	0.141	2	8	0.70	29	0.074	<20	1.10	0.058	0.07	0.1	0.02	3.5	<0.1	0.17	4	<0.5	<0.2
REP 1626748	QC																		
1626755	Drill Core	0.137	2	5	1.24	28	0.096	<20	1.88	0.045	0.07	0.4	<0.01	4.6	<0.1	1.15	7	0.8	<0.2
REP 1626755	QC	0.140	2	5	1.22	27	0.091	<20	1.91	0.044	0.06	0.3	<0.01	4.8	<0.1	1.13	7	1.4	<0.2
1626790	Rock	0.003	<1	<1	1.43	4	<0.001	<20	0.02	0.005	<0.01	<0.1	<0.01	0.1	<0.1	0.05	<1	<0.5	0.2
REP 1626790	QC	0.003	<1	<1	1.56	5	<0.001	<20	0.02	0.006	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	0.4
1626791	Drill Core	0.150	2	2	1.17	39	0.096	<20	1.71	0.131	0.09	0.4	0.02	3.6	<0.1	2.19	5	1.2	<0.2
REP 1626791	QC																		
1626825	Drill Core	0.128	2	3	1.57	60	0.086	<20	2.95	0.201	0.11	0.3	0.02	6.0	<0.1	5.24	8	3.7	0.7
REP 1626825	QC	0.130	2	3	1.61	57	0.083	<20	2.96	0.206	0.11	0.3	0.03	6.3	<0.1	5.17	8	4.5	0.7
1626850	Rock	0.003	<1	<1	1.73	5	<0.001	<20	0.02	0.004	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	0.3
REP 1626850	QC																		
Core Reject Duplicates																			
1626747	Drill Core	0.158	1	2	0.72	30	0.076	<20	1.25	0.064	0.06	0.2	<0.01	3.9	<0.1	0.19	4	<0.5	<0.2
DUP 1626747	QC	0.153	1	2	0.70	30	0.081	<20	1.22	0.068	0.07	0.2	<0.01	3.9	<0.1	0.19	4	<0.5	<0.2
1626785	Drill Core	0.162	2	8	1.27	25	0.103	<20	1.42	0.160	0.05	0.2	<0.01	2.5	<0.1	3.50	4	2.4	<0.2
DUP 1626785	QC	0.143	2	7	1.18	22	0.093	<20	1.34	0.151	0.05	0.3	0.02	2.2	<0.1	3.38	4	2.3	<0.2
1626823	Drill Core	0.130	2	3	1.71	67	0.113	<20	2.94	0.143	0.14	0.3	0.02	7.3	<0.1	4.54	8	3.0	0.6
DUP 1626823	QC	0.128	2	3	1.73	67	0.113	<20	2.82	0.142	0.14	0.3	0.02	7.2	<0.1	4.15	8	2.9	0.5
Reference Materials																			
STD DS10	Standard	0.070	15	50	0.71	373	0.069	<20	0.96	0.062	0.31	3.4	0.26	2.5	4.9	0.27	4	2.6	4.7
STD DS10	Standard	0.074	16	53	0.72	400	0.071	<20	0.90	0.058	0.32	3.0	0.31	2.4	4.8	0.29	4	2.6	5.0
STD DS10	Standard	0.072	16	51	0.72	389	0.072	<20	0.91	0.058	0.31	3.3	0.28	2.4	4.8	0.28	4	2.5	4.9
STD DS10	Standard	0.076	17	53	0.73	397	0.078	<20	0.96	0.062	0.32	2.9	0.27	2.7	4.9	0.29	4	2.1	4.8
STD OREAS45EA	Standard	0.028	7	861	0.09	139	0.102	<20	3.10	0.023	0.05	<0.1	0.01	82.1	<0.1	<0.05	13	1.3	<0.2
STD OREAS45EA	Standard	0.024	7	722	0.10	145	0.089	<20	2.64	0.019	0.05	<0.1	<0.01	67.5	<0.1	<0.05	10	0.7	<0.2
STD OREAS45EA	Standard	0.025	6	687	0.10	137	0.094	<20	2.72	0.017	0.05	<0.1	0.01	66.1	<0.1	<0.05	11	<0.5	<0.2
STD OREAS45EA	Standard	0.030	7	806	0.10	136	0.101	<20	2.98	0.018	0.05	<0.1	0.01	74.7	<0.1	<0.05	12	0.9	<0.2



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Project: North_Rok
 Report Date: June 10, 2014

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Part: 1 of 2

QUALITY CONTROL REPORT

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		WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
STD OXD108	Standard		0.411																			
STD OXD108	Standard		0.408																			
STD OXD108	Standard		0.406																			
STD OXD108	Standard		0.406																			
STD OXI96	Standard		1.757																			
STD OXI96	Standard		1.744																			
STD OXI96	Standard		1.799																			
STD OXI96	Standard		1.772																			
STD OXN117	Standard		7.594																			
STD OXN117	Standard		7.706																			
STD OXN117	Standard		7.466																			
STD OXN117	Standard		7.488																			
STD OXD108 Expected			0.414																			
STD OXI96 Expected			1.802																			
STD OXN117 Expected			7.679																			
STD DS10 Expected				14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	
STD OREAS45EA Expected				1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036	
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	

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Acme Analytical Laboratories (Vancouver) Ltd.
 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
 PHONE (604) 253-3158

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

Project: North_Rok
 Report Date: June 10, 2014

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Part: 2 of 2

QUALITY CONTROL REPORT

SMI14000275.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
STD OXD108	Standard																			
STD OXD108	Standard																			
STD OXD108	Standard																			
STD OXD108	Standard																			
STD OXI96	Standard																			
STD OXI96	Standard																			
STD OXI96	Standard																			
STD OXI96	Standard																			
STD OXN117	Standard																			
STD OXN117	Standard																			
STD OXN117	Standard																			
STD OXN117	Standard																			
STD OXD108 Expected																				
STD OXI96 Expected																				
STD OXN117 Expected																				
STD DS10 Expected		0.073	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01	
STD OREAS45EA Expected		0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053			78	0.072	0.036	11.7	0.6	0.07	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	

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Project: North_Rok
Report Date: June 10, 2014

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QUALITY CONTROL REPORT

SMI14000275.1

		WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Prep Wash																					
G1-SMI	Prep Blank		<0.005	0.1	3.5	3.2	40	<0.1	3.0	3.7	504	1.67	<0.5	1.0	5.2	52	<0.1	<0.1	<0.1	32	0.41
G1-SMI	Prep Blank		<0.005	<0.1	3.1	3.1	39	<0.1	3.0	3.9	504	1.62	<0.5	<0.5	6.0	49	<0.1	<0.1	<0.1	31	0.41



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Project: North_Rok
Report Date: June 10, 2014

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QUALITY CONTROL REPORT

SMI14000275.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Prep Wash		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
G1-SMI	Prep Blank	0.065	10	7	0.47	150	0.125	<20	0.86	0.075	0.45	<0.1	<0.01	1.8	0.3	<0.05	4	<0.5	<0.2
G1-SMI	Prep Blank	0.070	10	8	0.47	150	0.123	<20	0.82	0.062	0.44	<0.1	<0.01	1.8	0.3	<0.05	4	<0.5	<0.2



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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

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

Submitted By: Greg Dawson
Receiving Lab: Canada-Smithers
Received: June 02, 2014
Report Date: June 14, 2014
Page: 1 of 3

CERTIFICATE OF ANALYSIS

SMI14000295.1

CLIENT JOB INFORMATION

Project: North_Rok
Shipment ID: 14-4
P.O. Number
Number of Samples: 44

SAMPLE DISPOSAL

RTRN-PLP Return
STOR-RJT Store After 90 days Invoice for Storage

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

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

CC: Allan Jacobs
Gilles Dessureau

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	42	Crush, split and pulverize 250 g rock to 200 mesh			SMI
FA430	44	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
AQ200	44	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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CERTIFICATE OF ANALYSIS

SMI14000295.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626851	Drill Core	6.48	0.166	7.0	1972.5	7.1	124	1.7	2.4	8.6	431	3.28	20.6	148.1	0.6	49	0.8	0.7	0.4	75	0.92
1626852	Drill Core	7.43	0.396	9.7	6619.3	11.2	242	5.4	7.2	39.2	475	14.81	45.7	374.1	0.5	32	2.0	0.9	1.2	82	0.77
1626853	Drill Core	7.08	0.660	6.2	5125.4	15.4	211	4.6	3.5	14.5	514	4.72	42.5	535.2	0.5	51	1.8	1.0	1.1	71	0.96
1626854	Drill Core	6.65	0.578	7.9	4772.8	6.0	143	4.2	3.6	12.8	457	4.33	42.4	700.1	0.5	40	1.1	0.9	1.0	82	1.08
1626855	Drill Core	6.64	0.295	7.3	3090.9	6.0	143	2.8	3.6	12.1	547	4.10	42.0	246.8	0.5	40	1.5	0.9	0.9	81	1.31
1626856	Drill Core	6.54	0.135	6.9	1300.2	8.8	85	1.1	3.9	10.8	473	2.96	32.1	104.2	0.5	77	0.6	1.1	0.9	68	1.57
1626857	Drill Core	6.59	0.081	7.9	1181.2	11.9	116	1.2	4.9	11.5	496	3.66	32.2	63.1	0.6	68	2.0	1.4	1.1	68	1.35
1626858	Drill Core	6.61	0.044	11.0	1264.3	118.5	696	1.5	5.8	16.3	578	4.17	35.0	45.6	0.6	82	16.1	1.9	1.3	61	1.46
1626859	Drill Core	6.42	0.102	10.4	1474.2	18.0	195	1.4	4.5	11.8	536	4.19	25.0	76.6	0.7	80	1.7	1.0	0.5	115	1.45
1626860	Rock Pulp	0.12	0.326	272.2	2391.8	76.2	424	2.6	12.5	10.5	735	4.19	26.3	230.1	3.5	54	2.1	1.0	1.5	30	0.78
1626861	Drill Core	6.85	0.079	7.3	895.9	8.4	102	0.9	4.0	9.5	536	3.69	18.1	83.6	0.7	151	0.7	0.9	0.3	133	1.41
1626862	Drill Core	6.80	0.055	8.1	1457.6	8.6	201	1.8	10.4	22.6	685	5.53	20.6	972.7	0.8	69	1.4	0.9	0.7	114	1.22
1626863	Drill Core	6.60	0.039	7.0	763.5	11.5	124	1.0	20.0	40.8	604	4.05	40.9	32.8	0.7	64	0.8	1.1	1.4	71	1.47
1626864	Drill Core	4.98	0.048	4.5	829.5	6.0	137	0.8	3.2	11.8	647	3.35	27.2	33.5	0.8	79	0.8	0.8	0.3	111	1.53
1626865	Drill Core	7.10	0.023	3.8	610.8	6.9	145	0.7	3.1	14.3	594	3.83	28.1	19.4	0.9	84	1.0	1.2	0.2	156	1.51
1626866	Drill Core	4.40	0.039	4.4	442.6	4.8	119	0.5	3.8	13.7	661	3.96	26.5	26.1	0.8	64	0.4	1.0	0.2	162	2.47
1626867	Drill Core	5.35	0.034	7.0	766.7	5.9	155	0.7	3.6	13.4	731	4.28	19.3	24.4	1.0	78	0.7	0.6	0.3	150	1.85
1626868	Drill Core	6.00	0.019	5.0	337.8	3.3	91	0.3	2.5	14.0	734	3.75	20.2	14.4	0.8	62	0.1	0.7	0.4	154	1.74
1626869	Drill Core	6.11	0.047	4.4	708.1	9.3	118	0.6	4.0	21.5	791	4.11	50.5	22.2	0.8	52	0.8	0.6	0.6	126	3.04
1626870	Drill Core	6.16	0.022	2.7	420.7	5.5	111	0.5	3.9	13.1	708	4.40	46.3	16.3	0.8	66	0.7	0.6	0.4	164	1.96
1626871	Drill Core	6.54	0.020	2.0	308.2	4.9	89	0.4	4.0	19.7	632	4.10	36.4	14.2	0.8	75	0.4	1.1	0.4	157	1.48
1626872	Drill Core	6.27	0.020	4.2	595.9	4.6	70	0.6	3.7	15.0	661	4.58	26.9	57.9	0.7	61	0.4	0.7	0.7	142	1.95
1626873	Drill Core	5.42	0.015	4.5	316.5	4.0	81	0.4	2.6	11.9	614	3.11	20.1	12.1	0.9	57	0.3	0.7	0.2	124	1.50
1626874	Drill Core	2.88	0.031	3.8	551.8	5.0	92	0.6	4.2	18.6	603	4.04	25.9	40.7	0.9	60	0.6	0.7	0.4	139	1.51
1626875	Drill Core	2.66	0.021	3.5	508.4	5.1	88	0.6	3.6	16.6	594	3.71	22.3	15.9	1.0	67	0.5	0.7	0.3	139	1.55
1626876	Drill Core	6.33	0.011	2.7	266.1	4.1	71	0.4	3.5	14.5	589	3.35	29.0	10.9	0.9	77	0.4	0.8	0.4	116	1.60
1626877	Drill Core	6.83	0.025	6.6	1180.0	5.8	107	1.0	4.6	19.1	753	8.50	32.4	27.1	1.0	68	0.7	0.8	0.5	193	1.55
1626878	Drill Core	6.61	0.020	6.0	425.5	4.3	97	0.4	5.1	19.6	629	5.01	22.4	11.9	0.8	58	0.4	0.9	0.4	130	1.17
1626879	Drill Core	6.34	0.012	5.6	319.0	7.3	79	0.4	3.6	19.4	605	3.35	32.4	11.1	0.8	105	0.3	1.5	0.7	102	1.60
1626880	Rock Pulp	0.13	0.347	280.8	2487.2	77.2	444	2.5	14.2	10.9	764	4.37	25.7	220.0	3.3	55	2.3	1.2	1.1	31	0.81

CERTIFICATE OF ANALYSIS

SMI14000295.1

Method Analyte	Unit	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
MDL		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
1626851	Drill Core	0.124	3	4	0.62	30	0.089	<20	1.01	0.069	0.10	0.3	0.02	2.5	<0.1	0.85	5	2.2	<0.2	
1626852	Drill Core	0.104	2	4	0.48	17	0.081	<20	0.92	0.062	0.06	0.3	0.09	2.3	<0.1	2.60	5	11.7	0.4	
1626853	Drill Core	0.117	2	4	0.64	19	0.090	<20	1.04	0.061	0.08	0.2	0.09	2.5	<0.1	2.48	4	6.2	<0.2	
1626854	Drill Core	0.121	2	5	0.51	22	0.101	<20	1.04	0.077	0.09	0.2	0.05	2.6	<0.1	2.22	5	5.1	0.2	
1626855	Drill Core	0.134	1	6	0.68	14	0.099	<20	1.21	0.067	0.07	0.2	0.04	3.4	<0.1	2.09	5	4.4	<0.2	
1626856	Drill Core	0.141	2	5	0.72	14	0.106	<20	1.40	0.121	0.07	0.3	0.02	2.6	<0.1	1.86	5	2.9	<0.2	
1626857	Drill Core	0.139	2	5	0.73	12	0.113	<20	1.28	0.112	0.06	0.3	0.03	2.9	<0.1	2.57	4	3.6	0.3	
1626858	Drill Core	0.136	2	4	0.82	14	0.128	<20	1.41	0.122	0.07	0.3	0.30	3.7	<0.1	3.25	4	4.0	0.2	
1626859	Drill Core	0.135	3	8	0.80	23	0.110	<20	1.18	0.095	0.08	0.3	0.07	3.2	<0.1	0.52	5	3.1	<0.2	
1626860	Rock Pulp	0.065	4	19	0.56	63	0.039	<20	1.61	0.051	0.29	1.4	0.03	2.5	0.2	2.03	5	3.5	0.9	
1626861	Drill Core	0.139	4	6	0.65	29	0.124	<20	1.24	0.113	0.08	0.3	0.02	2.7	<0.1	0.43	4	1.3	<0.2	
1626862	Drill Core	0.127	4	13	0.90	28	0.114	<20	1.24	0.072	0.09	0.3	0.05	2.6	<0.1	0.81	5	2.8	<0.2	
1626863	Drill Core	0.128	4	19	0.89	17	0.118	<20	1.23	0.104	0.06	0.3	0.02	3.2	<0.1	1.93	4	2.5	<0.2	
1626864	Drill Core	0.141	4	3	0.91	29	0.113	<20	1.45	0.087	0.08	0.2	0.02	4.2	<0.1	0.65	6	0.5	<0.2	
1626865	Drill Core	0.133	5	5	1.00	43	0.148	<20	1.68	0.139	0.12	0.2	0.02	4.8	<0.1	0.38	6	0.7	<0.2	
1626866	Drill Core	0.138	4	5	1.35	26	0.132	<20	2.19	0.070	0.08	0.2	<0.01	7.9	<0.1	0.35	8	<0.5	<0.2	
1626867	Drill Core	0.132	5	5	1.21	48	0.162	<20	1.89	0.158	0.13	0.2	0.03	7.8	<0.1	0.55	7	1.4	<0.2	
1626868	Drill Core	0.136	4	5	1.69	29	0.141	<20	2.19	0.089	0.09	0.3	<0.01	8.0	<0.1	0.82	8	0.6	<0.2	
1626869	Drill Core	0.133	4	4	1.82	18	0.130	<20	2.18	0.050	0.07	0.3	<0.01	11.6	<0.1	1.65	7	1.0	<0.2	
1626870	Drill Core	0.138	4	5	1.33	31	0.136	<20	1.92	0.089	0.09	0.2	0.02	9.7	<0.1	0.97	7	1.3	<0.2	
1626871	Drill Core	0.147	4	5	1.10	42	0.170	<20	1.96	0.164	0.11	0.2	<0.01	5.0	<0.1	0.90	7	1.3	<0.2	
1626872	Drill Core	0.147	4	4	1.38	27	0.138	<20	1.81	0.101	0.09	0.2	<0.01	7.5	<0.1	1.87	7	2.1	<0.2	
1626873	Drill Core	0.141	4	4	1.16	31	0.153	<20	1.45	0.088	0.10	0.2	<0.01	7.1	<0.1	0.52	6	0.5	<0.2	
1626874	Drill Core	0.148	4	4	0.96	32	0.140	<20	1.52	0.093	0.10	0.4	0.02	5.8	<0.1	0.85	6	1.3	<0.2	
1626875	Drill Core	0.148	5	4	0.94	41	0.153	<20	1.60	0.124	0.13	0.4	<0.01	5.7	<0.1	0.67	6	1.0	<0.2	
1626876	Drill Core	0.154	4	4	0.95	32	0.142	<20	1.70	0.127	0.10	1.1	<0.01	4.0	<0.1	1.01	6	1.4	<0.2	
1626877	Drill Core	0.133	4	6	1.34	31	0.186	<20	1.93	0.104	0.10	0.5	0.01	6.9	<0.1	1.38	7	1.2	<0.2	
1626878	Drill Core	0.140	4	7	1.11	26	0.168	<20	1.70	0.111	0.08	0.3	<0.01	4.6	<0.1	1.14	6	1.3	<0.2	
1626879	Drill Core	0.146	3	2	0.90	41	0.155	<20	1.96	0.154	0.11	0.2	0.01	6.8	<0.1	1.64	5	1.8	<0.2	
1626880	Rock Pulp	0.073	5	20	0.59	62	0.038	<20	1.65	0.050	0.30	1.1	0.03	2.1	0.2	2.12	4	2.9	0.5	

CERTIFICATE OF ANALYSIS

SMI14000295.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626881	Drill Core	6.58	0.019	4.4	419.9	8.1	78	0.4	4.1	20.1	560	3.82	42.7	17.2	0.7	84	0.3	0.8	1.1	79	1.56
1626882	Drill Core	6.20	0.019	7.9	426.5	6.1	64	0.3	4.3	24.9	746	5.22	45.3	14.6	0.7	107	0.5	0.6	1.0	135	1.95
1626883	Drill Core	4.47	0.024	6.6	549.3	5.9	77	0.5	3.6	24.0	725	5.96	46.0	16.6	1.0	77	0.2	0.8	0.7	159	1.53
1626884	Drill Core	5.29	0.029	5.3	613.5	4.6	83	0.5	3.6	21.9	694	5.11	49.6	23.3	0.9	71	0.2	0.4	0.7	144	1.31
1626885	Drill Core	6.37	0.037	12.4	616.0	10.3	111	0.6	3.9	18.8	640	4.34	31.9	28.4	0.9	69	0.8	0.6	0.7	143	1.26
1626886	Drill Core	6.79	0.014	7.2	480.1	8.1	73	0.3	3.7	17.1	589	4.07	30.3	11.0	0.7	152	0.3	0.8	0.6	119	1.71
1626887	Drill Core	6.44	0.015	3.8	311.7	3.2	87	0.2	4.1	17.1	707	4.12	20.5	9.0	0.7	68	<0.1	0.5	0.4	153	1.22
1626888	Drill Core	6.53	0.011	3.7	279.5	4.8	71	0.3	2.8	14.1	558	4.16	17.6	6.9	0.7	70	0.2	0.5	0.5	162	1.24
1626889	Drill Core	6.62	0.028	9.3	477.6	8.0	104	0.5	3.9	19.2	820	5.04	60.5	18.8	0.9	90	0.3	1.6	0.5	183	1.40
1626890	Rock	1.21	0.009	<0.1	0.6	<0.1	<1	<0.1	0.6	0.2	28	0.04	<0.5	<0.5	<0.1	4266	<0.1	<0.1	<0.1	<2	35.93
1626891	Drill Core	5.99	0.030	6.9	477.2	6.8	104	0.4	4.6	25.4	871	5.28	22.3	22.7	0.9	69	0.2	0.6	0.4	183	1.41
1626892	Drill Core	6.35	0.029	4.1	475.5	3.6	173	0.5	4.3	17.6	899	4.32	16.8	15.7	0.8	81	1.0	0.7	0.2	155	1.41
1626893	Drill Core	5.76	0.025	5.2	390.3	2.6	129	0.3	3.7	14.4	826	3.92	13.3	15.9	0.8	96	0.2	0.6	0.2	155	1.40
1626894	Drill Core	5.89	0.023	7.0	374.7	4.9	144	0.5	3.8	20.5	854	4.67	12.7	12.4	0.9	72	0.2	0.5	0.2	185	1.22



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Project: North_Rok
Report Date: June 14, 2014

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

SMI14000295.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1626881	Drill Core	0.152	4	3	0.94	35	0.124	<20	2.16	0.187	0.12	0.3	<0.01	5.2	<0.1	2.59	6	2.7	<0.2
1626882	Drill Core	0.141	3	5	1.63	33	0.140	<20	2.66	0.245	0.09	0.3	<0.01	8.9	<0.1	3.79	8	3.0	<0.2
1626883	Drill Core	0.136	4	6	2.12	32	0.218	<20	3.58	0.256	0.13	0.2	<0.01	13.3	0.2	2.78	9	1.9	<0.2
1626884	Drill Core	0.141	3	6	2.03	24	0.211	<20	2.81	0.169	0.08	0.2	<0.01	10.7	<0.1	2.30	8	1.7	<0.2
1626885	Drill Core	0.147	3	6	1.47	28	0.206	<20	2.48	0.215	0.10	0.2	0.01	11.3	<0.1	1.75	8	2.8	<0.2
1626886	Drill Core	0.142	3	4	0.90	30	0.138	<20	2.38	0.246	0.09	0.2	<0.01	4.1	<0.1	1.90	7	1.8	<0.2
1626887	Drill Core	0.150	4	6	1.54	29	0.211	<20	2.08	0.130	0.09	0.2	<0.01	5.5	<0.1	1.10	7	<0.5	<0.2
1626888	Drill Core	0.163	4	6	1.14	37	0.178	<20	1.88	0.171	0.10	0.3	<0.01	4.9	<0.1	1.21	6	0.7	<0.2
1626889	Drill Core	0.146	4	5	2.13	55	0.261	<20	2.89	0.185	0.23	0.2	0.01	14.5	0.3	1.67	8	1.9	<0.2
1626890	Rock	0.003	<1	<1	1.84	5	<0.001	<20	0.02	0.003	<0.01	<0.1	<0.01	0.1	<0.1	0.08	<1	<0.5	0.2
1626891	Drill Core	0.147	4	5	2.07	33	0.226	<20	2.59	0.141	0.12	0.2	<0.01	13.9	<0.1	2.14	8	2.9	<0.2
1626892	Drill Core	0.151	4	5	1.62	25	0.211	<20	2.05	0.088	0.09	0.2	0.01	6.1	<0.1	1.07	8	1.0	<0.2
1626893	Drill Core	0.144	4	6	1.75	30	0.212	<20	2.21	0.100	0.09	0.3	0.02	6.9	<0.1	0.68	7	0.8	<0.2
1626894	Drill Core	0.144	4	6	1.57	75	0.245	<20	2.02	0.148	0.38	0.2	0.01	10.5	<0.1	0.72	7	1.8	<0.2

QUALITY CONTROL REPORT

SMI14000295.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
1626878	Drill Core	6.61	0.020	6.0	425.5	4.3	97	0.4	5.1	19.6	629	5.01	22.4	11.9	0.8	58	0.4	0.9	0.4	130	1.17
REP 1626878	QC			6.4	435.9	4.5	103	0.5	5.9	21.0	647	5.21	23.7	24.7	0.8	61	0.4	0.9	0.4	133	1.21
1626884	Drill Core	5.29	0.029	5.3	613.5	4.6	83	0.5	3.6	21.9	694	5.11	49.6	23.3	0.9	71	0.2	0.4	0.7	144	1.31
REP 1626884	QC			5.4	618.7	4.3	92	0.5	3.6	22.5	693	5.19	50.4	37.3	0.9	69	0.3	0.3	0.7	146	1.33
REP 1626891	QC		0.033																		
Core Reject Duplicates																					
1626853	Drill Core	7.08	0.660	6.2	5125.4	15.4	211	4.6	3.5	14.5	514	4.72	42.5	535.2	0.5	51	1.8	1.0	1.1	71	0.96
DUP 1626853	QC		0.648	6.7	4942.7	14.9	220	4.7	4.1	14.2	527	4.61	43.0	816.4	0.5	56	1.8	0.9	1.0	73	1.00
1626891	Drill Core	5.99	0.030	6.9	477.2	6.8	104	0.4	4.6	25.4	871	5.28	22.3	22.7	0.9	69	0.2	0.6	0.4	183	1.41
DUP 1626891	QC		0.032	7.1	493.2	7.0	109	0.4	4.1	26.4	897	5.47	23.2	22.0	0.9	69	0.4	0.7	0.5	189	1.48
Reference Materials																					
STD DS10	Standard			13.7	140.5	143.2	349	1.6	73.0	12.2	823	2.59	45.1	46.8	6.8	66	2.5	7.1	12.2	41	1.00
STD DS10	Standard			13.8	151.6	149.5	363	1.8	72.4	12.3	867	2.70	45.2	52.7	7.0	74	2.4	8.5	13.4	41	1.04
STD OREAS45EA	Standard			1.7	700.1	14.6	31	0.2	390.2	51.9	402	24.50	10.6	44.4	10.5	4	<0.1	0.2	0.3	296	0.03
STD OREAS45EA	Standard			1.3	689.4	14.7	32	0.3	376.8	49.8	395	24.68	10.4	47.5	10.5	4	<0.1	0.3	0.3	293	0.04
STD OXD108	Standard		0.418																		
STD OXI96	Standard		1.796																		
STD OXN117	Standard		7.512																		
STD OXD108 Expected			0.414																		
STD OXI96 Expected			1.802																		
STD OXN117 Expected			7.679																		
STD DS10 Expected				14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625
STD OREAS45EA Expected				1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					

QUALITY CONTROL REPORT

SMI14000295.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
1626878	Drill Core	0.140	4	7	1.11	26	0.168	<20	1.70	0.111	0.08	0.3	<0.01	4.6	<0.1	1.14	6	1.3	<0.2
REP 1626878	QC	0.150	4	7	1.14	26	0.175	<20	1.73	0.113	0.08	0.5	<0.01	4.6	<0.1	1.18	7	1.2	<0.2
1626884	Drill Core	0.141	3	6	2.03	24	0.211	<20	2.81	0.169	0.08	0.2	<0.01	10.7	<0.1	2.30	8	1.7	<0.2
REP 1626884	QC	0.143	3	5	2.04	23	0.219	<20	2.79	0.174	0.08	0.2	<0.01	11.6	<0.1	2.34	8	1.6	<0.2
REP 1626891	QC																		
Core Reject Duplicates																			
1626853	Drill Core	0.117	2	4	0.64	19	0.090	<20	1.04	0.061	0.08	0.2	0.09	2.5	<0.1	2.48	4	6.2	<0.2
DUP 1626853	QC	0.123	2	4	0.65	23	0.098	<20	1.07	0.072	0.09	0.3	0.10	2.8	<0.1	2.40	4	6.1	0.2
1626891	Drill Core	0.147	4	5	2.07	33	0.226	<20	2.59	0.141	0.12	0.2	<0.01	13.9	<0.1	2.14	8	2.9	<0.2
DUP 1626891	QC	0.155	4	5	2.14	33	0.237	<20	2.69	0.147	0.13	0.2	0.02	14.6	<0.1	2.17	8	2.6	<0.2
Reference Materials																			
STD DS10	Standard	0.070	17	51	0.73	408	0.073	<20	0.97	0.064	0.32	2.6	0.28	2.7	4.8	0.27	4	2.2	4.7
STD DS10	Standard	0.075	17	51	0.76	422	0.075	<20	1.00	0.064	0.33	3.2	0.29	2.7	5.0	0.28	4	2.3	5.5
STD OREAS45EA	Standard	0.030	7	823	0.10	138	0.098	<20	3.18	0.018	0.05	<0.1	<0.01	80.9	<0.1	<0.05	12	1.1	<0.2
STD OREAS45EA	Standard	0.030	7	806	0.10	147	0.098	<20	3.15	0.015	0.05	<0.1	<0.01	81.4	<0.1	<0.05	13	1.6	<0.2
STD OXD108	Standard																		
STD OXI96	Standard																		
STD OXN117	Standard																		
STD OXD108 Expected																			
STD OXI96 Expected																			
STD OXN117 Expected																			
STD DS10 Expected		0.073	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01
STD OREAS45EA Expected		0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053			78	0.072	0.036	11.7	0.6	0.07
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			



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Project: North_Rok
 Report Date: June 14, 2014

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Part: 1 of 2

QUALITY CONTROL REPORT

SMI14000295.1

		WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
G1-SMI	Prep Blank	<0.005	0.1	3.1	3.9	45	<0.1	2.3	3.3	567	1.89	<0.5	<0.5	6.3	74	<0.1	<0.1	<0.1	35	0.56	
G1-SMI	Prep Blank	<0.005	<0.1	2.7	3.9	43	<0.1	2.7	3.5	564	1.84	<0.5	<0.5	6.2	68	<0.1	<0.1	<0.1	36	0.55	



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Project: North_Rok
Report Date: June 14, 2014

Page: 2 of 2

Part: 2 of 2

QUALITY CONTROL REPORT

SMI14000295.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
G1-SMI	Prep Blank	0.067	15	7	0.48	168	0.132	<20	1.04	0.132	0.51	<0.1	<0.01	2.7	0.3	<0.05	5	<0.5	<0.2
G1-SMI	Prep Blank	0.069	15	7	0.49	164	0.127	<20	1.01	0.113	0.50	<0.1	<0.01	2.2	0.4	<0.05	5	0.7	<0.2



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Submitted By: Greg Dawson
Receiving Lab: Canada-Smithers
Received: June 05, 2014
Report Date: June 17, 2014
Page: 1 of 4

CERTIFICATE OF ANALYSIS

SMI14000316.1

CLIENT JOB INFORMATION

Project: North_Rok
Shipment ID: 14-5
P.O. Number
Number of Samples: 79

SAMPLE DISPOSAL

RTRN-PLP Return
STOR-RJT Store After 90 days Invoice for Storage

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

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

CC: Gilles Dessureau
Allan Jacobs

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	75	Crush, split and pulverize 250 g rock to 200 mesh			SMI
FA430	79	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
AQ200	79	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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

CERTIFICATE OF ANALYSIS

SMI14000316.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626895	Drill Core	4.33	0.019	3.6	176.3	5.8	47	0.3	6.5	21.8	364	6.12	62.9	12.0	0.7	65	0.2	0.7	0.4	180	0.84
1626896	Drill Core	5.80	0.014	4.1	188.0	3.7	43	0.1	5.5	23.6	312	4.94	44.7	8.8	0.6	84	0.3	0.9	0.3	192	0.91
1626897	Drill Core	5.25	0.026	5.1	241.4	7.1	44	0.2	5.9	23.7	230	6.01	48.1	20.3	0.6	93	0.5	0.6	0.7	163	0.91
1626898	Drill Core	4.43	0.020	5.6	34.8	7.4	38	0.2	4.9	27.1	203	4.36	23.2	15.4	0.5	37	0.3	0.4	1.1	39	0.35
1626899	Drill Core	6.07	0.024	5.3	233.9	5.7	44	0.2	6.2	25.9	322	5.65	27.0	19.0	0.6	32	0.4	0.6	0.7	181	0.78
1626900	Rock Pulp	0.12	0.492	15.5	3662.0	98.2	833	4.1	13.7	12.2	699	4.59	27.2	352.3	2.1	54	5.3	0.8	1.1	26	0.78
1626901	Drill Core	5.36	0.025	5.9	194.9	11.4	52	0.2	7.3	29.5	318	5.74	24.4	18.2	0.7	34	0.2	0.6	1.0	135	0.72
1626902	Drill Core	5.19	0.019	5.1	142.7	8.4	59	0.1	6.4	25.5	383	4.86	35.0	15.5	0.8	40	0.3	0.6	0.7	177	0.75
1626903	Drill Core	5.92	0.017	3.0	128.0	3.9	53	0.1	5.0	26.3	367	4.57	38.6	13.1	0.7	30	0.2	0.7	0.6	150	0.76
1626904	Drill Core	5.66	0.020	2.3	156.1	3.1	58	0.2	5.7	24.6	435	4.77	46.7	14.8	0.6	34	0.1	0.9	0.5	160	0.73
1626905	Drill Core	6.82	0.026	2.9	229.9	4.6	44	0.2	5.3	22.9	362	5.07	39.6	20.9	0.6	34	0.2	0.9	0.5	144	0.92
1626906	Drill Core	6.78	0.017	3.1	151.9	5.1	56	0.1	5.3	24.1	418	4.55	30.9	13.0	0.6	42	0.2	0.8	0.3	150	0.82
1626907	Drill Core	7.47	0.013	2.0	182.8	4.8	61	0.1	5.1	24.3	449	4.69	37.6	10.9	0.6	57	0.2	0.8	0.2	154	0.94
1626908	Drill Core	7.39	0.013	1.8	147.7	7.0	75	0.1	5.4	23.6	509	4.97	40.4	7.2	0.6	43	0.4	0.6	0.3	156	0.93
1626909	Drill Core	6.11	0.011	1.4	82.7	4.3	59	0.1	5.0	24.0	499	4.79	40.8	5.9	0.7	38	0.2	0.8	0.3	150	1.05
1626910	Drill Core	6.39	0.015	1.6	148.6	6.2	62	0.1	5.0	23.5	467	4.97	34.5	11.3	0.7	44	0.3	0.8	0.4	171	1.04
1626911	Drill Core	6.24	0.023	1.6	258.5	9.7	65	0.1	5.1	25.7	463	5.00	55.1	21.0	0.6	68	0.3	0.9	0.4	172	1.06
1626912	Drill Core	4.87	0.017	2.1	177.7	14.9	92	0.2	5.4	22.3	520	5.48	50.5	13.0	0.6	49	0.4	0.8	0.4	157	1.08
1626913	Drill Core	7.39	0.012	2.0	193.6	4.0	73	0.2	5.1	25.3	505	5.31	36.9	10.0	0.7	46	0.1	0.8	0.3	179	1.19
1626914	Drill Core	9.28	0.017	2.7	195.1	4.7	55	0.1	5.6	25.8	508	6.82	37.6	13.4	0.7	51	0.2	0.6	0.4	231	1.12
1626915	Drill Core	6.97	0.020	2.8	141.7	7.5	79	0.2	5.8	23.7	513	6.26	43.6	14.7	0.6	43	0.3	0.8	0.5	152	0.83
1626916	Drill Core	6.68	0.059	1.9	330.9	11.7	91	0.2	5.5	25.2	536	5.82	46.1	45.4	0.5	69	0.7	0.8	0.5	132	1.13
1626917	Drill Core	6.88	0.026	4.0	146.0	18.2	107	0.2	4.8	21.3	663	5.32	44.1	21.2	0.5	77	0.6	0.9	0.4	164	1.28
1626918	Drill Core	6.52	0.025	4.1	181.3	14.7	91	0.2	5.6	24.6	627	5.50	46.4	21.3	0.5	79	0.5	0.9	0.3	170	1.38
1626919	Drill Core	6.12	0.062	2.7	160.4	8.5	71	0.2	5.6	23.6	413	6.19	59.3	51.7	0.4	56	0.4	0.7	0.6	136	1.45
1626920	Rock Pulp	0.11	0.523	15.3	3741.2	100.6	865	4.2	14.2	12.4	727	4.63	27.1	588.0	2.1	55	5.2	0.7	1.2	27	0.83
1626921	Drill Core	6.19	0.021	1.4	219.0	7.9	57	0.1	5.2	22.9	479	5.04	36.4	14.6	0.6	63	0.2	0.8	0.4	210	1.21
1626922	Drill Core	6.38	0.017	2.1	107.8	6.0	36	0.1	5.4	22.2	358	6.32	30.6	13.6	0.6	85	0.1	0.6	0.6	194	1.36
1626923	Drill Core	6.35	0.020	2.6	137.3	7.3	52	0.1	5.4	22.1	374	6.50	29.9	13.8	0.5	77	0.3	0.8	0.7	186	1.46
1626924	Drill Core	3.25	0.014	1.2	142.4	8.3	52	0.1	5.0	24.1	416	4.97	38.6	9.6	0.6	40	0.2	0.8	0.4	147	1.06



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CERTIFICATE OF ANALYSIS

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Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
1626895	Drill Core	0.139	3	8	1.96	43	0.209	<20	2.44	0.233	0.48	0.1	0.03	8.3	0.1	4.46	9	2.3	0.9
1626896	Drill Core	0.153	4	7	1.85	42	0.230	<20	2.30	0.196	0.41	0.1	0.02	7.2	<0.1	3.53	9	1.2	0.8
1626897	Drill Core	0.130	2	6	1.79	23	0.178	<20	2.41	0.158	0.27	0.2	0.09	8.1	<0.1	5.09	8	2.6	1.2
1626898	Drill Core	0.086	2	6	0.69	18	0.133	37	0.81	0.065	0.11	0.3	0.06	2.9	<0.1	3.90	3	3.3	0.7
1626899	Drill Core	0.163	3	7	1.88	24	0.182	<20	1.92	0.148	0.10	0.2	0.09	13.7	<0.1	4.83	8	2.5	1.0
1626900	Rock Pulp	0.068	3	22	0.51	54	0.024	<20	1.36	0.051	0.28	1.3	0.04	2.3	0.3	3.10	4	4.3	0.7
1626901	Drill Core	0.155	3	6	1.25	31	0.170	<20	1.61	0.096	0.13	0.3	0.03	10.5	<0.1	5.33	6	3.3	1.2
1626902	Drill Core	0.159	3	7	1.93	26	0.214	<20	2.02	0.130	0.10	0.2	0.06	11.7	<0.1	3.56	8	2.0	0.7
1626903	Drill Core	0.149	3	5	1.30	30	0.178	<20	1.40	0.105	0.08	0.3	0.10	6.3	<0.1	2.69	7	1.0	0.6
1626904	Drill Core	0.157	3	7	1.32	42	0.190	<20	1.53	0.093	0.10	0.4	0.04	9.5	<0.1	3.45	7	1.3	0.8
1626905	Drill Core	0.144	3	6	1.19	32	0.196	<20	1.43	0.096	0.09	0.2	0.07	6.5	<0.1	3.91	7	1.5	0.9
1626906	Drill Core	0.149	3	6	1.37	32	0.214	<20	1.59	0.115	0.15	0.2	0.05	6.2	<0.1	2.82	7	1.3	0.9
1626907	Drill Core	0.156	3	6	1.34	32	0.237	<20	1.69	0.141	0.15	0.2	0.03	6.2	<0.1	2.58	8	<0.5	0.7
1626908	Drill Core	0.144	3	7	1.41	32	0.221	<20	1.74	0.154	0.21	0.2	0.02	6.6	<0.1	3.21	7	1.1	0.7
1626909	Drill Core	0.151	2	5	1.39	26	0.193	<20	1.84	0.132	0.10	0.2	0.05	8.2	<0.1	2.91	8	1.0	0.6
1626910	Drill Core	0.154	3	6	1.56	37	0.227	<20	2.00	0.161	0.20	0.2	0.04	9.9	<0.1	2.95	8	0.9	0.6
1626911	Drill Core	0.150	3	5	1.43	44	0.241	<20	2.09	0.168	0.26	0.2	0.04	10.1	<0.1	3.22	8	1.2	0.7
1626912	Drill Core	0.151	3	7	1.28	39	0.216	<20	1.85	0.179	0.22	0.2	0.03	7.1	<0.1	3.19	8	1.3	0.5
1626913	Drill Core	0.155	3	6	1.32	30	0.225	<20	1.82	0.140	0.19	0.3	0.02	8.2	<0.1	2.68	7	0.7	0.4
1626914	Drill Core	0.154	3	8	1.80	48	0.272	<20	2.26	0.191	0.39	0.2	0.05	13.9	<0.1	3.58	9	1.4	0.6
1626915	Drill Core	0.146	3	7	1.44	42	0.225	<20	1.72	0.112	0.10	0.3	0.06	7.4	<0.1	4.61	7	1.6	0.8
1626916	Drill Core	0.146	2	6	1.20	50	0.188	<20	2.04	0.212	0.14	0.2	0.06	6.4	<0.1	4.36	7	3.3	1.1
1626917	Drill Core	0.148	2	6	1.40	46	0.216	<20	2.23	0.228	0.13	0.3	0.07	6.6	<0.1	3.57	8	2.3	1.0
1626918	Drill Core	0.148	3	6	1.47	33	0.205	<20	2.48	0.250	0.11	0.2	0.04	5.7	<0.1	3.25	9	1.5	0.7
1626919	Drill Core	0.139	3	6	1.29	31	0.160	<20	2.52	0.187	0.21	0.4	0.10	9.8	<0.1	5.50	7	3.7	1.2
1626920	Rock Pulp	0.069	3	22	0.53	58	0.027	<20	1.50	0.056	0.31	1.4	0.04	2.5	0.3	3.21	4	4.6	0.7
1626921	Drill Core	0.162	4	8	2.30	23	0.263	<20	2.25	0.158	0.12	0.2	0.05	11.5	<0.1	3.37	9	2.0	0.5
1626922	Drill Core	0.143	3	9	2.27	34	0.243	<20	2.94	0.301	0.32	0.1	0.14	13.4	<0.1	5.02	10	2.4	0.8
1626923	Drill Core	0.149	4	7	1.72	34	0.220	<20	2.48	0.233	0.30	0.2	0.12	13.1	<0.1	5.61	9	3.8	0.7
1626924	Drill Core	0.155	4	6	1.57	25	0.220	<20	1.45	0.108	0.08	0.2	0.05	7.0	<0.1	3.93	7	1.7	0.5

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Project: North_Rok
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CERTIFICATE OF ANALYSIS

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Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626925	Drill Core	2.56	0.016	1.4	164.8	8.2	52	0.1	4.9	23.3	407	5.00	38.5	11.2	0.6	36	0.2	0.8	0.4	147	0.97
1626926	Drill Core	6.36	0.013	1.1	97.1	6.9	40	<0.1	4.9	21.0	368	4.79	56.6	8.4	0.5	29	0.1	1.0	0.4	123	1.01
1626927	Drill Core	6.46	0.011	3.0	24.7	10.8	45	0.1	4.8	20.7	362	5.29	49.1	7.3	0.5	34	0.1	0.7	0.5	114	1.18
1626928	Drill Core	4.09	0.010	1.7	15.6	4.9	39	<0.1	4.7	21.1	386	4.92	30.4	2.6	0.5	37	<0.1	0.7	0.4	125	0.93
1626929	Drill Core	5.18	0.008	2.7	47.2	5.6	38	<0.1	5.2	21.1	370	5.31	33.8	3.0	0.6	70	0.3	1.0	0.6	142	1.14
1626930	Drill Core	6.52	0.017	4.3	65.0	5.9	29	<0.1	4.4	18.9	309	6.13	32.1	4.5	0.5	113	0.1	0.8	0.7	151	1.38
1626931	Drill Core	6.10	0.017	3.5	53.9	9.7	40	0.2	5.1	21.6	385	5.79	56.4	9.3	0.5	37	0.1	0.9	0.7	96	1.16
1626932	Drill Core	6.49	0.012	3.2	91.8	5.9	42	0.1	4.9	21.3	447	4.47	55.0	6.8	0.6	50	<0.1	0.9	0.5	104	1.28
1626933	Drill Core	6.34	0.009	1.7	124.5	7.9	41	0.1	4.3	19.1	519	3.45	32.6	3.5	0.5	18	<0.1	0.6	0.6	87	1.30
1626934	Drill Core	6.43	0.013	3.8	118.4	10.7	46	0.1	4.9	32.5	417	3.83	55.1	8.7	0.5	28	0.2	1.1	0.5	78	1.12
1626935	Drill Core	6.14	0.025	2.2	249.1	6.9	44	0.2	4.6	24.1	479	4.04	48.1	20.4	0.4	52	0.2	1.2	0.4	102	1.42
1626936	Drill Core	6.23	0.010	1.3	124.6	5.9	38	0.1	4.1	10.1	376	3.69	46.2	4.6	0.5	33	0.3	1.0	0.2	129	0.95
1626937	Drill Core	6.10	0.013	1.4	185.3	9.2	51	0.1	4.6	19.6	411	3.59	52.8	10.7	0.5	33	0.5	0.9	0.4	100	1.00
1626938	Drill Core	6.70	0.009	1.3	158.8	12.2	48	0.1	5.0	31.1	420	3.67	65.5	6.0	0.6	31	0.1	1.2	0.5	73	1.10
1626939	Drill Core	7.29	0.016	1.7	207.0	11.9	59	0.2	6.3	24.6	581	4.17	63.4	10.9	0.4	45	<0.1	1.1	0.6	91	1.46
1626940	Rock Pulp	0.13	0.427	263.5	2547.9	80.1	436	2.6	12.9	11.6	765	4.41	27.3	271.8	3.1	54	2.8	1.6	1.3	30	0.81
1626941	Drill Core	6.86	0.011	2.0	187.7	2.1	53	0.1	4.3	11.8	499	4.11	56.3	6.2	0.5	31	<0.1	1.6	0.3	120	0.92
1626942	Drill Core	7.18	0.010	2.7	236.2	2.0	57	0.1	6.4	12.1	631	3.98	59.2	6.6	0.4	30	<0.1	1.6	0.2	126	1.04
1626943	Drill Core	6.56	0.014	7.1	213.4	10.1	73	0.1	5.2	23.3	589	3.74	51.6	9.9	0.4	43	0.1	1.3	0.3	91	1.16
1626944	Drill Core	6.97	0.017	1.6	204.2	8.2	81	0.2	4.8	22.0	535	4.18	56.0	11.7	0.5	38	0.5	1.2	0.3	95	1.07
1626945	Drill Core	6.86	0.010	1.9	161.0	14.1	77	0.2	4.1	16.8	482	3.23	48.6	6.7	0.5	31	0.4	1.5	0.2	92	1.07
1626946	Drill Core	6.72	0.014	2.1	124.2	8.3	82	0.1	5.1	27.2	535	3.79	63.5	7.8	0.5	34	0.3	1.1	0.4	104	1.14
1626947	Drill Core	6.97	0.012	15.5	142.4	7.9	80	<0.1	4.8	23.4	681	4.62	54.8	6.2	0.6	45	0.1	1.3	0.3	168	1.70
1626948	Drill Core	6.51	0.014	1.7	178.8	11.8	62	0.1	5.5	21.8	416	5.07	53.7	12.8	0.6	85	0.4	1.3	0.2	187	1.28
1626949	Drill Core	7.63	0.016	1.8	159.1	12.6	58	0.2	5.5	21.9	449	5.45	53.5	11.1	0.6	44	<0.1	1.6	0.4	162	1.03
1626950	Rock	1.39	<0.005	<0.1	0.9	<0.1	<1	<0.1	<0.1	<0.1	22	0.03	0.7	<0.5	<0.1	3648	<0.1	<0.1	<0.1	<2	36.99
1626951	Drill Core	7.01	0.014	4.4	69.7	11.2	61	0.1	4.9	17.8	453	5.24	42.3	6.1	0.4	86	0.2	0.9	0.5	125	1.49
1626952	Drill Core	4.54	0.050	4.0	817.0	6.9	55	0.4	5.3	16.6	433	4.07	49.0	44.5	0.5	36	0.3	1.2	0.5	89	0.96
1626953	Drill Core	3.10	0.021	5.6	514.0	19.6	46	0.3	6.3	23.8	354	4.82	33.1	18.1	0.4	13	0.2	0.9	0.7	105	1.70
1626954	Drill Core	7.20	0.012	4.3	107.2	17.6	67	0.1	4.7	25.7	498	5.12	52.3	6.4	0.5	40	<0.1	1.5	0.6	121	1.02

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	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	0.2
1626925	Drill Core	0.156	4	5	1.58	27	0.221	<20	1.47	0.117	0.08	0.2	0.04	6.9	<0.1	4.01	7	1.7	0.6
1626926	Drill Core	0.155	3	6	1.21	27	0.195	<20	1.21	0.103	0.08	0.2	0.02	4.9	<0.1	4.01	6	1.9	0.8
1626927	Drill Core	0.145	2	6	1.54	11	0.188	<20	1.62	0.127	0.06	0.3	0.03	4.8	<0.1	4.56	6	2.4	0.7
1626928	Drill Core	0.134	2	5	1.53	24	0.181	<20	1.50	0.124	0.08	0.2	0.03	4.6	<0.1	4.43	6	1.3	0.3
1626929	Drill Core	0.139	3	7	1.57	25	0.196	<20	1.99	0.212	0.19	0.1	0.03	5.7	<0.1	4.88	7	2.0	0.3
1626930	Drill Core	0.129	2	8	1.53	42	0.166	<20	2.60	0.267	0.41	0.1	0.06	9.6	<0.1	6.03	8	2.9	0.6
1626931	Drill Core	0.141	2	6	1.12	23	0.121	<20	1.69	0.159	0.11	0.3	0.03	5.5	<0.1	5.94	6	4.5	0.6
1626932	Drill Core	0.136	2	6	1.21	22	0.129	<20	1.70	0.153	0.09	0.2	<0.01	5.5	<0.1	4.15	6	2.4	0.4
1626933	Drill Core	0.148	3	4	1.34	15	0.116	<20	1.46	0.055	0.06	0.3	<0.01	6.0	<0.1	2.81	6	1.7	0.3
1626934	Drill Core	0.140	2	6	0.79	29	0.124	<20	1.16	0.100	0.08	0.4	<0.01	4.0	<0.1	3.28	4	1.5	0.2
1626935	Drill Core	0.134	2	5	0.93	32	0.116	<20	1.34	0.096	0.08	0.3	0.02	6.2	<0.1	2.86	5	2.4	0.2
1626936	Drill Core	0.140	2	5	0.68	32	0.109	<20	0.99	0.087	0.08	0.3	<0.01	3.8	<0.1	0.82	5	<0.5	<0.2
1626937	Drill Core	0.138	2	4	0.67	28	0.098	<20	0.96	0.069	0.07	0.3	0.01	3.7	<0.1	1.49	4	<0.5	0.3
1626938	Drill Core	0.141	2	4	0.61	25	0.131	<20	0.99	0.121	0.08	0.5	0.02	4.2	<0.1	2.72	4	1.4	0.3
1626939	Drill Core	0.140	2	6	1.09	26	0.098	<20	1.56	0.093	0.07	0.4	0.02	6.5	<0.1	2.90	5	2.2	0.3
1626940	Rock Pulp	0.067	4	19	0.59	61	0.037	<20	1.60	0.050	0.29	1.5	0.04	2.3	0.2	2.18	5	4.2	0.7
1626941	Drill Core	0.152	2	7	1.01	24	0.113	<20	1.24	0.072	0.07	0.5	0.01	6.4	<0.1	1.26	5	<0.5	<0.2
1626942	Drill Core	0.153	2	9	1.20	12	0.101	<20	1.38	0.065	0.04	0.4	0.01	5.8	<0.1	1.25	7	0.8	0.2
1626943	Drill Core	0.131	2	7	1.23	36	0.109	<20	1.44	0.066	0.07	0.5	0.01	6.0	<0.1	2.25	5	1.9	0.2
1626944	Drill Core	0.141	2	5	0.86	41	0.124	<20	1.21	0.087	0.12	0.5	0.02	5.1	<0.1	2.33	4	1.4	0.3
1626945	Drill Core	0.140	2	5	0.52	48	0.131	<20	1.01	0.107	0.13	0.3	0.02	4.1	<0.1	1.63	4	<0.5	<0.2
1626946	Drill Core	0.137	2	5	1.10	27	0.138	<20	1.34	0.093	0.09	0.3	0.02	5.2	<0.1	3.00	6	1.3	0.2
1626947	Drill Core	0.140	3	9	1.96	24	0.204	<20	2.02	0.131	0.08	0.2	0.02	14.1	<0.1	3.18	8	1.3	0.2
1626948	Drill Core	0.143	3	9	1.86	44	0.226	<20	2.42	0.198	0.26	0.2	0.07	12.2	<0.1	4.39	8	2.3	0.5
1626949	Drill Core	0.146	3	8	1.74	42	0.209	<20	1.77	0.135	0.10	0.2	0.07	8.3	<0.1	4.89	7	1.9	0.5
1626950	Rock	0.003	<1	<1	1.63	5	<0.001	<20	0.02	0.003	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
1626951	Drill Core	0.149	2	7	1.47	48	0.140	<20	2.45	0.192	0.20	0.2	0.03	7.3	<0.1	5.04	7	2.9	0.6
1626952	Drill Core	0.135	2	2	1.14	40	0.118	<20	1.30	0.092	0.12	0.3	0.01	5.1	<0.1	3.76	5	2.8	0.5
1626953	Drill Core	0.129	2	9	1.05	23	0.126	<20	1.52	0.044	0.08	0.3	<0.01	6.0	<0.1	4.82	6	3.5	0.4
1626954	Drill Core	0.139	2	4	1.42	33	0.173	<20	1.65	0.137	0.12	0.3	0.01	5.9	<0.1	4.85	6	3.2	0.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: North_Rok
 Report Date: June 17, 2014

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CERTIFICATE OF ANALYSIS

SMI14000316.1

	Method Analyte Unit MDL	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1626955	Drill Core	4.95	0.011	4.5	141.7	13.1	51	0.1	4.3	17.5	411	3.97	62.2	6.5	0.4	45	0.2	2.0	0.3	98	1.06	
1626956	Drill Core	4.29	0.012	3.4	173.3	8.3	66	0.1	3.4	17.8	472	4.33	71.8	4.6	0.4	61	0.3	2.1	0.3	122	1.09	
1626957	Drill Core	5.40	0.012	2.8	197.7	9.8	71	0.2	4.6	21.6	484	5.62	64.6	7.2	0.4	84	0.5	1.8	0.3	127	1.54	
1626958	Drill Core	4.01	0.012	3.4	134.8	6.3	67	0.1	4.6	18.3	523	4.69	68.8	4.2	0.5	72	0.1	1.2	0.2	167	1.50	
1626959	Drill Core	4.72	0.011	4.0	175.8	6.9	66	0.1	3.8	18.1	470	4.99	60.5	6.9	0.5	116	0.3	1.1	0.2	218	1.81	
1626960	Rock Pulp	0.12	0.328	283.2	2607.7	82.8	456	2.6	13.9	10.9	778	4.42	27.8	257.3	3.2	56	2.6	1.4	1.2	31	0.82	
1626961	Drill Core	6.84	0.025	3.2	358.0	27.1	73	0.2	4.0	22.6	483	5.74	43.2	16.9	0.5	47	0.1	1.1	0.3	175	1.16	
1626962	Drill Core	6.36	0.014	3.5	176.5	9.5	70	0.1	3.5	22.0	540	6.18	52.6	5.4	0.5	48	0.4	1.4	0.2	169	0.97	
1626963	Drill Core	6.44	0.016	3.3	221.3	4.1	76	0.1	4.5	20.0	561	5.30	40.9	14.1	0.6	30	0.2	1.3	0.2	174	1.00	
1626964	Drill Core	6.37	0.022	8.9	322.3	7.0	58	0.2	5.8	22.2	470	6.00	45.5	15.2	0.6	82	0.5	1.1	0.3	153	1.60	
1626965	Drill Core	5.19	0.018	2.6	203.6	9.0	103	0.2	3.1	16.8	437	3.54	42.0	13.2	0.5	45	1.1	1.4	0.4	100	1.03	
1626966	Drill Core	5.57	0.033	1.9	377.9	20.8	82	0.3	3.4	16.8	412	3.43	39.6	37.5	0.5	31	1.2	1.3	0.7	83	1.07	
1626967	Drill Core	6.51	0.010	4.7	33.8	10.2	40	0.2	4.5	29.9	367	5.29	44.7	7.0	0.6	38	0.1	1.1	1.2	69	0.99	
1626968	Drill Core	6.31	0.007	3.6	34.5	7.9	41	<0.1	3.8	23.1	313	3.85	41.8	4.9	0.6	45	0.2	1.0	1.2	60	0.97	
1626969	Drill Core	4.37	<0.005	12.3	12.5	8.8	88	0.1	3.6	28.3	558	4.87	43.3	2.0	0.5	44	0.5	0.9	1.1	74	1.09	
1626970	Drill Core	3.45	0.005	6.2	12.8	16.3	63	0.1	4.8	30.2	459	6.27	37.7	1.6	0.6	98	0.4	0.7	1.2	92	1.53	
1626971	Drill Core	2.35	0.013	59.5	9.4	62.1	159	0.5	6.3	54.3	718	14.25	46.1	10.3	0.5	62	2.0	1.1	2.0	70	1.24	
1626972	Drill Core	6.58	<0.005	4.4	13.5	6.2	55	<0.1	5.1	21.0	548	4.70	30.9	2.8	0.6	74	<0.1	0.8	0.8	167	1.15	
1626973	Drill Core	6.01	0.020	9.6	43.7	9.1	40	<0.1	5.5	21.8	470	5.91	34.9	3.0	0.6	59	0.1	1.1	1.0	134	1.19	



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Project: North_Rok
 Report Date: June 17, 2014

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CERTIFICATE OF ANALYSIS

SMI14000316.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1626955	Drill Core	0.140	2	5	1.20	31	0.162	<20	1.64	0.149	0.11	0.2	0.03	5.0	<0.1	3.35	6	1.1	0.4
1626956	Drill Core	0.129	2	4	1.26	37	0.192	<20	1.85	0.194	0.13	0.2	0.02	5.5	<0.1	3.67	6	1.4	0.3
1626957	Drill Core	0.139	2	6	1.48	45	0.203	<20	2.89	0.305	0.36	0.2	0.04	6.6	<0.1	5.07	7	3.6	0.4
1626958	Drill Core	0.134	2	7	2.12	33	0.234	<20	2.91	0.266	0.12	0.2	0.02	11.0	<0.1	3.76	8	2.4	0.3
1626959	Drill Core	0.151	3	6	2.30	63	0.267	<20	3.90	0.438	0.74	<0.1	0.04	20.1	0.1	3.96	11	2.7	0.4
1626960	Rock Pulp	0.072	5	19	0.60	66	0.038	<20	1.65	0.049	0.29	1.1	0.04	2.6	0.3	2.19	4	3.5	0.7
1626961	Drill Core	0.129	3	6	2.09	31	0.208	<20	2.30	0.144	0.13	0.2	0.04	14.2	<0.1	5.30	8	4.1	0.6
1626962	Drill Core	0.136	3	6	1.93	35	0.218	<20	1.96	0.118	0.11	0.1	0.04	10.2	<0.1	5.33	7	2.4	0.4
1626963	Drill Core	0.144	4	5	2.08	35	0.275	<20	1.83	0.103	0.09	0.3	0.01	7.9	<0.1	3.77	8	2.5	0.4
1626964	Drill Core	0.145	3	7	2.13	40	0.237	<20	3.10	0.319	0.15	0.2	0.02	8.9	<0.1	5.26	9	3.9	0.3
1626965	Drill Core	0.147	3	2	1.25	44	0.162	<20	1.33	0.132	0.12	0.4	0.04	6.6	<0.1	2.95	5	2.5	0.2
1626966	Drill Core	0.137	3	2	0.99	46	0.167	<20	1.16	0.122	0.12	0.6	0.02	4.4	<0.1	3.13	5	1.9	<0.2
1626967	Drill Core	0.140	3	3	0.88	30	0.160	<20	1.20	0.169	0.09	0.3	0.02	4.3	<0.1	5.15	4	3.6	0.3
1626968	Drill Core	0.135	2	2	0.73	25	0.156	<20	1.08	0.180	0.08	0.3	<0.01	3.1	<0.1	3.84	3	3.0	<0.2
1626969	Drill Core	0.142	2	3	1.02	13	0.151	<20	1.32	0.176	0.08	0.5	0.04	3.8	<0.1	4.75	4	3.6	<0.2
1626970	Drill Core	0.134	2	3	1.36	22	0.183	20	2.60	0.366	0.13	0.3	0.02	5.9	<0.1	5.91	6	5.2	<0.2
1626971	Drill Core	0.124	1	2	1.70	14	0.122	31	1.43	0.064	0.06	0.4	0.05	7.3	<0.1	>10	4	11.0	0.3
1626972	Drill Core	0.133	1	5	2.65	28	0.236	<20	2.51	0.218	0.14	0.2	0.01	13.2	<0.1	4.37	8	3.6	0.2
1626973	Drill Core	0.123	2	4	2.22	24	0.217	<20	2.09	0.204	0.11	0.4	0.02	10.3	<0.1	5.73	7	3.3	0.4



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Project: North_Rok
 Report Date: June 17, 2014

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QUALITY CONTROL REPORT

SMI14000316.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
1626909	Drill Core	6.11	0.011	1.4	82.7	4.3	59	0.1	5.0	24.0	499	4.79	40.8	5.9	0.7	38	0.2	0.8	0.3	150	1.05
REP 1626909	QC			1.3	80.4	4.3	58	<0.1	4.9	23.0	484	4.63	39.5	7.3	0.6	36	0.3	0.8	0.3	148	1.03
1626944	Drill Core	6.97	0.017	1.6	204.2	8.2	81	0.2	4.8	22.0	535	4.18	56.0	11.7	0.5	38	0.5	1.2	0.3	95	1.07
REP 1626944	QC		0.016	1.7	208.1	8.3	83	0.2	5.0	22.5	537	4.22	55.1	9.5	0.5	37	0.6	1.1	0.3	96	1.08
1626961	Drill Core	6.84	0.025	3.2	358.0	27.1	73	0.2	4.0	22.6	483	5.74	43.2	16.9	0.5	47	0.1	1.1	0.3	175	1.16
REP 1626961	QC		0.022																		
1626969	Drill Core	4.37	<0.005	12.3	12.5	8.8	88	0.1	3.6	28.3	558	4.87	43.3	2.0	0.5	44	0.5	0.9	1.1	74	1.09
REP 1626969	QC			11.6	12.2	8.8	87	0.1	3.7	27.6	538	4.62	42.7	3.2	0.5	44	0.5	0.9	1.0	71	1.16
Core Reject Duplicates																					
1626918	Drill Core	6.52	0.025	4.1	181.3	14.7	91	0.2	5.6	24.6	627	5.50	46.4	21.3	0.5	79	0.5	0.9	0.3	170	1.38
DUP 1626918	QC		0.025	4.1	179.6	14.1	88	0.2	5.2	24.3	618	5.28	44.8	20.7	0.5	77	0.5	1.0	0.3	166	1.34
1626956	Drill Core	4.29	0.012	3.4	173.3	8.3	66	0.1	3.4	17.8	472	4.33	71.8	4.6	0.4	61	0.3	2.1	0.3	122	1.09
DUP 1626956	QC		0.012	2.5	180.6	8.5	63	0.1	3.5	18.1	486	4.45	73.4	5.5	0.4	61	0.4	2.2	0.3	127	1.13
Reference Materials																					
STD DS10	Standard			13.8	165.1	156.9	375	2.0	78.0	13.5	925	2.81	48.7	123.8	7.9	72	2.6	9.4	13.9	45	1.11
STD DS10	Standard			13.6	160.3	169.7	386	2.0	81.7	13.0	911	2.81	46.9	75.3	7.5	73	2.5	9.5	14.6	42	1.07
STD DS10	Standard			11.4	152.6	143.3	355	1.9	72.0	12.8	827	2.54	46.3	78.0	7.0	62	2.7	7.7	12.0	40	0.98
STD OREAS45EA	Standard			1.6	703.6	13.9	29	0.3	367.8	48.3	399	22.63	10.6	55.4	11.0	4	<0.1	0.4	0.3	305	0.04
STD OREAS45EA	Standard			1.5	674.8	14.8	29	0.3	369.6	49.6	412	22.43	10.0	53.4	10.5	4	<0.1	0.3	0.3	317	0.03
STD OREAS45EA	Standard			1.6	686.3	16.4	32	0.3	366.4	52.4	403	23.93	9.3	61.2	11.3	4	<0.1	0.3	0.3	291	0.05
STD OXD108	Standard		0.411																		
STD OXD108	Standard		0.416																		
STD OXI96	Standard		1.790																		
STD OXI96	Standard		1.811																		
STD OXN117	Standard		7.366																		
STD OXN117	Standard		7.474																		
STD OXD108 Expected			0.414																		
STD OXI96 Expected			1.802																		

QUALITY CONTROL REPORT

SMI14000316.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
1626909	Drill Core	0.151	2	5	1.39	26	0.193	<20	1.84	0.132	0.10	0.2	0.05	8.2	<0.1	2.91	8	1.0	0.6
REP 1626909	QC	0.143	2	5	1.37	25	0.190	<20	1.82	0.128	0.10	0.2	0.05	7.9	<0.1	2.84	8	0.9	0.6
1626944	Drill Core	0.141	2	5	0.86	41	0.124	<20	1.21	0.087	0.12	0.5	0.02	5.1	<0.1	2.33	4	1.4	0.3
REP 1626944	QC	0.138	2	5	0.87	43	0.124	<20	1.22	0.089	0.12	0.5	0.02	5.1	<0.1	2.35	5	1.2	0.2
1626961	Drill Core	0.129	3	6	2.09	31	0.208	<20	2.30	0.144	0.13	0.2	0.04	14.2	<0.1	5.30	8	4.1	0.6
REP 1626961	QC																		
1626969	Drill Core	0.142	2	3	1.02	13	0.151	<20	1.32	0.176	0.08	0.5	0.04	3.8	<0.1	4.75	4	3.6	<0.2
REP 1626969	QC	0.138	2	3	0.99	13	0.153	<20	1.31	0.174	0.08	0.4	0.03	3.8	<0.1	4.97	5	3.5	<0.2
Core Reject Duplicates																			
1626918	Drill Core	0.148	3	6	1.47	33	0.205	<20	2.48	0.250	0.11	0.2	0.04	5.7	<0.1	3.25	9	1.5	0.7
DUP 1626918	QC	0.145	3	6	1.45	32	0.197	<20	2.43	0.244	0.11	0.2	0.04	5.5	<0.1	3.12	8	1.5	0.6
1626956	Drill Core	0.129	2	4	1.26	37	0.192	<20	1.85	0.194	0.13	0.2	0.02	5.5	<0.1	3.67	6	1.4	0.3
DUP 1626956	QC	0.131	3	4	1.28	38	0.195	<20	1.86	0.197	0.13	0.2	0.03	5.3	<0.1	3.81	6	2.2	0.4
Reference Materials																			
STD DS10	Standard	0.083	17	59	0.79	424	0.085	<20	1.03	0.067	0.34	3.0	0.28	2.6	5.2	0.31	4	1.8	5.5
STD DS10	Standard	0.083	18	55	0.80	429	0.073	<20	1.03	0.057	0.34	3.4	0.33	2.6	5.3	0.29	4	1.8	5.3
STD DS10	Standard	0.073	15	51	0.71	366	0.068	<20	0.91	0.059	0.30	3.3	0.27	2.5	4.7	0.27	4	1.9	4.7
STD OREAS45EA	Standard	0.028	7	789	0.11	140	0.104	<20	3.20	0.019	0.06	<0.1	<0.01	78.2	<0.1	<0.05	12	0.9	<0.2
STD OREAS45EA	Standard	0.031	7	811	0.10	146	0.090	<20	3.02	0.009	0.05	<0.1	0.01	77.0	<0.1	<0.05	12	0.8	<0.2
STD OREAS45EA	Standard	0.028	8	819	0.09	159	0.098	<20	3.04	0.026	0.05	<0.1	0.01	77.7	<0.1	<0.05	13	<0.5	<0.2
STD OXD108	Standard																		
STD OXD108	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXN117	Standard																		
STD OXN117	Standard																		
STD OXD108 Expected																			
STD OXI96 Expected																			

QUALITY CONTROL REPORT

SMI14000316.1

	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
STD OXN117 Expected	7.679																				
STD DS10 Expected			14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	
STD OREAS45EA Expected			1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036	
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank		<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
Prep Wash																					
G1-SMI	Prep Blank	<0.005	0.1	3.3	3.1	44	<0.1	2.8	4.1	543	1.81	<0.5	<0.5	6.3	57	<0.1	<0.1	<0.1	34	0.46	
G1-SMI	Prep Blank	<0.005	0.1	3.5	3.3	45	<0.1	3.1	4.2	551	1.87	<0.5	<0.5	5.8	58	<0.1	<0.1	<0.1	34	0.46	

QUALITY CONTROL REPORT

SMI14000316.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD OXN117 Expected																			
STD DS10 Expected		0.073	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01
STD OREAS45EA Expected		0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053			78	0.072	0.036	11.7	0.6	0.07
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1-SMI	Prep Blank	0.071	12	8	0.47	158	0.120	<20	0.86	0.085	0.47	<0.1	<0.01	2.2	0.4	<0.05	5	<0.5	<0.2
G1-SMI	Prep Blank	0.070	12	9	0.47	161	0.124	<20	0.88	0.087	0.47	<0.1	<0.01	2.3	0.3	<0.05	4	<0.5	<0.2



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

Submitted By: Greg Dawson
Receiving Lab: Canada-Smithers
Received: June 09, 2014
Report Date: June 19, 2014
Page: 1 of 4

CERTIFICATE OF ANALYSIS

SMI14000319.1

CLIENT JOB INFORMATION

Project: North_Rok
Shipment ID: 14-6
P.O. Number
Number of Samples: 80

SAMPLE DISPOSAL

RTRN-PLP Return
STOR-RJT Store After 90 days Invoice for Storage

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

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

CC: Gilles Dessureau
Allan Jacobs

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	76	Crush, split and pulverize 250 g rock to 200 mesh			SMI
FA430	80	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
AQ200	80	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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

Project: North_Rok
 Report Date: June 19, 2014

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

SMI14000319.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1626974	Drill Core	2.82	0.011	1.8	123.6	10.8	62	0.1	3.8	17.8	573	4.38	24.7	10.0	0.5	17	0.2	0.8	0.6	151	1.56
1626975	Drill Core	2.19	0.012	1.9	134.3	12.8	94	0.1	3.6	19.1	657	4.80	24.2	7.2	0.4	16	0.8	0.8	0.7	144	1.39
1626976	Drill Core	4.45	0.018	5.3	60.2	7.3	79	<0.1	9.7	15.7	773	5.37	18.0	4.6	0.5	45	0.1	0.6	0.7	180	1.36
1626977	Drill Core	5.29	<0.005	2.0	5.2	9.7	10	0.1	2.3	4.0	100	1.21	1.2	0.7	22.1	9	<0.1	0.2	0.7	<2	0.22
1626978	Drill Core	6.27	<0.005	4.9	5.0	3.6	6	<0.1	1.2	2.2	87	0.99	1.2	<0.5	21.4	8	<0.1	0.2	0.5	<2	0.17
1626979	Drill Core	5.74	0.010	2.8	66.5	4.1	79	<0.1	19.6	10.0	804	4.95	17.4	8.6	0.4	76	<0.1	0.8	0.9	170	1.16
1626980	Rock Pulp	0.12	0.330	263.5	2374.4	72.6	426	2.6	12.8	10.3	706	4.14	26.5	415.7	2.8	53	2.3	1.4	1.0	28	0.74
1626981	Drill Core	6.98	0.014	6.5	50.4	9.1	55	0.1	3.8	22.2	376	4.83	25.0	6.4	0.4	72	0.2	0.6	0.9	87	1.02
1626982	Drill Core	6.82	0.014	4.4	145.4	11.2	68	0.1	4.5	19.2	432	4.83	26.1	8.3	0.4	67	0.3	1.0	0.4	102	1.09
1626983	Drill Core	6.77	0.015	27.5	255.6	13.6	100	0.1	3.9	17.8	393	3.92	36.4	12.1	0.4	20	2.2	1.0	0.5	73	0.86
1626984	Drill Core	6.32	0.013	10.8	160.1	12.0	108	0.1	4.0	18.6	621	4.20	32.8	7.1	0.4	50	0.3	1.7	0.3	121	1.10
1626985	Drill Core	6.44	0.016	4.7	257.9	14.8	117	0.2	6.0	32.2	654	5.97	92.0	10.1	0.4	54	0.9	1.9	0.2	147	1.40
1626986	Drill Core	6.73	0.013	1.2	143.9	7.7	87	0.1	3.8	15.6	669	4.52	35.6	7.6	0.4	55	0.2	2.0	0.1	170	1.36
1626987	Drill Core	6.72	0.014	4.5	227.7	5.4	86	0.1	3.7	15.9	693	4.73	31.6	13.4	0.5	56	<0.1	1.3	0.2	173	1.49
1626988	Drill Core	5.90	0.018	2.1	236.8	7.7	88	0.2	5.0	19.1	729	4.98	39.1	10.5	0.5	64	0.3	1.0	0.3	186	1.88
1626989	Drill Core	7.18	0.023	1.0	161.8	8.8	63	0.2	5.6	19.8	580	4.40	37.4	7.7	0.6	43	0.3	0.8	0.2	148	1.64
1626990	Rock	1.43	<0.005	<0.1	0.9	<0.1	<1	<0.1	<0.1	1.3	28	0.04	<0.5	<0.5	<0.1	3885	<0.1	<0.1	<0.1	<2	32.28
1626991	Drill Core	5.34	0.015	1.3	222.4	11.3	66	0.1	4.7	19.0	618	4.28	37.0	8.8	0.6	37	0.4	0.8	0.2	140	1.62
1626992	Drill Core	3.92	0.010	0.6	254.3	8.4	75	0.1	4.4	15.9	771	4.25	41.7	8.5	0.4	101	0.3	0.8	0.1	114	2.00
1626993	Drill Core	3.60	0.032	2.0	377.5	11.8	71	0.2	5.0	21.9	702	5.40	34.2	13.1	0.5	93	0.4	1.0	0.7	128	1.64
1626994	Drill Core	5.78	0.015	1.4	207.5	9.7	70	0.2	5.1	20.8	702	4.47	27.2	5.2	0.5	88	<0.1	0.9	0.5	140	1.75
1626995	Drill Core	6.03	0.011	0.5	162.8	5.5	73	<0.1	4.7	15.5	543	4.42	28.8	6.7	0.5	43	0.1	1.2	0.2	139	1.33
1626996	Drill Core	5.90	0.012	4.1	187.0	12.2	77	0.1	5.3	20.2	608	5.48	25.7	8.0	0.7	78	0.1	0.9	0.1	189	1.41
1626997	Drill Core	3.86	0.016	5.0	184.2	9.2	99	0.1	4.4	21.4	738	5.55	34.7	17.6	0.6	62	<0.1	1.7	0.2	180	1.37
1626998	Drill Core	4.25	0.016	2.2	178.1	11.0	79	0.1	5.3	18.7	634	5.43	43.5	11.0	0.5	133	0.3	2.2	0.2	177	1.97
1626999	Drill Core	5.76	0.017	0.9	220.9	26.0	131	0.2	5.4	18.4	560	4.83	43.2	11.6	0.5	95	0.8	2.1	0.2	157	1.70
1627000	Rock Pulp	0.12	0.525	14.4	3704.6	96.0	915	4.0	14.2	12.1	726	4.67	28.3	411.6	2.3	59	4.8	0.8	1.3	27	0.81
1627501	Drill Core	5.91	0.012	1.6	114.7	10.7	83	<0.1	4.5	16.4	609	5.15	27.4	5.9	0.6	88	0.5	1.8	0.2	181	1.56
1627502	Drill Core	6.93	0.015	2.9	140.4	10.7	74	0.1	4.4	20.1	550	5.69	26.7	9.8	0.6	93	0.2	1.3	0.3	165	1.56
1627503	Drill Core	6.79	0.012	1.3	140.7	13.1	68	0.1	4.5	17.1	548	5.02	21.4	8.3	0.6	44	<0.1	1.2	0.4	159	1.16

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: North_Rok
 Report Date: June 19, 2014

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CERTIFICATE OF ANALYSIS

SMI14000319.1

Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
1626974	Drill Core	0.132	2	4	1.86	18	0.182	<20	1.65	0.057	0.09	0.3	<0.01	12.8	<0.1	3.73	8	0.8	<0.2
1626975	Drill Core	0.135	2	5	1.81	19	0.167	<20	1.67	0.054	0.11	0.3	<0.01	11.8	<0.1	3.99	8	1.3	<0.2
1626976	Drill Core	0.134	4	9	2.42	18	0.186	<20	2.38	0.141	0.10	0.4	<0.01	14.2	<0.1	2.22	9	<0.5	<0.2
1626977	Drill Core	0.003	7	6	0.18	18	0.019	<20	0.34	0.050	0.10	0.3	<0.01	0.8	<0.1	1.04	2	<0.5	<0.2
1626978	Drill Core	0.003	7	10	0.11	18	0.021	<20	0.28	0.056	0.11	0.3	<0.01	0.9	<0.1	0.82	2	<0.5	<0.2
1626979	Drill Core	0.122	13	25	3.28	28	0.204	<20	3.36	0.231	0.47	0.3	<0.01	15.4	0.2	1.49	11	1.5	<0.2
1626980	Rock Pulp	0.067	4	19	0.54	57	0.034	<20	1.46	0.048	0.26	1.3	0.03	2.3	0.2	2.06	4	3.1	0.6
1626981	Drill Core	0.124	2	5	1.16	18	0.128	<20	1.68	0.220	0.08	0.2	0.01	4.7	<0.1	4.69	5	3.1	<0.2
1626982	Drill Core	0.132	3	5	1.22	33	0.120	<20	1.69	0.167	0.11	0.2	0.01	6.5	<0.1	4.64	6	4.7	<0.2
1626983	Drill Core	0.126	3	4	0.72	36	0.113	<20	0.96	0.070	0.09	0.3	0.04	4.1	<0.1	3.66	4	3.3	<0.2
1626984	Drill Core	0.137	2	6	1.26	32	0.146	<20	1.49	0.109	0.09	0.2	<0.01	6.3	<0.1	2.91	6	1.8	<0.2
1626985	Drill Core	0.126	2	8	1.58	32	0.177	<20	2.02	0.135	0.09	0.3	0.01	10.7	<0.1	4.49	7	6.6	<0.2
1626986	Drill Core	0.139	2	8	1.70	29	0.188	<20	1.88	0.108	0.08	0.2	<0.01	10.5	<0.1	1.79	8	1.4	<0.2
1626987	Drill Core	0.138	2	9	2.15	27	0.214	<20	2.28	0.131	0.08	0.2	<0.01	13.5	<0.1	2.49	8	1.4	<0.2
1626988	Drill Core	0.143	2	12	1.92	36	0.182	<20	2.61	0.139	0.12	0.3	<0.01	17.9	<0.1	2.95	9	2.6	<0.2
1626989	Drill Core	0.150	2	11	1.61	39	0.152	<20	2.22	0.074	0.20	0.3	0.09	14.7	<0.1	3.09	7	2.8	<0.2
1626990	Rock	0.003	<1	<1	1.65	6	0.001	<20	0.03	0.004	<0.01	<0.1	<0.01	0.3	<0.1	0.08	<1	<0.5	0.3
1626991	Drill Core	0.143	2	7	1.69	34	0.149	<20	2.04	0.058	0.16	0.3	0.02	13.9	<0.1	3.23	7	4.0	<0.2
1626992	Drill Core	0.131	2	9	1.94	51	0.105	<20	2.55	0.149	0.13	0.3	0.04	8.1	<0.1	2.96	8	2.5	<0.2
1626993	Drill Core	0.137	2	10	1.89	109	0.127	<20	2.46	0.176	0.12	0.3	0.01	10.4	<0.1	4.60	8	5.5	<0.2
1626994	Drill Core	0.137	2	11	1.58	37	0.139	<20	2.72	0.228	0.13	0.2	0.04	10.6	<0.1	3.39	8	4.4	<0.2
1626995	Drill Core	0.150	3	14	1.74	27	0.178	<20	2.10	0.128	0.10	0.2	0.02	9.2	<0.1	3.35	7	3.2	<0.2
1626996	Drill Core	0.143	3	15	2.56	25	0.256	<20	2.91	0.229	0.14	0.2	0.02	15.7	<0.1	3.98	9	7.5	<0.2
1626997	Drill Core	0.138	2	15	2.79	16	0.245	<20	2.88	0.186	0.07	0.2	<0.01	13.7	<0.1	3.61	9	6.2	<0.2
1626998	Drill Core	0.134	2	13	1.81	59	0.191	<20	3.88	0.466	0.33	<0.1	0.02	11.7	<0.1	4.12	10	5.8	<0.2
1626999	Drill Core	0.140	2	12	1.47	48	0.162	<20	3.18	0.321	0.27	0.1	0.04	11.2	<0.1	3.81	9	4.5	<0.2
1627000	Rock Pulp	0.068	4	25	0.53	65	0.026	<20	1.47	0.054	0.31	1.0	0.03	2.2	0.3	3.22	4	4.4	0.8
1627501	Drill Core	0.136	2	11	1.92	34	0.220	<20	2.99	0.345	0.19	0.2	0.02	12.8	<0.1	4.26	9	9.8	<0.2
1627502	Drill Core	0.138	3	10	1.57	49	0.165	<20	2.84	0.310	0.15	0.1	0.01	13.6	<0.1	5.11	9	11.3	0.2
1627503	Drill Core	0.136	2	10	1.82	52	0.169	<20	2.05	0.117	0.12	0.3	<0.01	14.5	<0.1	4.14	8	9.3	<0.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

CERTIFICATE OF ANALYSIS

SMI14000319.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1627504	Drill Core	6.58	0.016	2.1	181.9	6.6	89	0.1	4.8	21.4	662	5.13	27.0	7.0	0.6	50	<0.1	1.6	0.3	164	1.25
1627505	Drill Core	7.06	0.012	2.3	194.8	10.3	87	0.1	4.8	22.5	621	5.36	25.9	5.4	0.6	64	0.1	1.1	0.2	163	1.40
1627506	Drill Core	6.90	0.014	4.6	146.3	10.0	69	0.2	5.5	22.5	489	4.81	25.1	10.9	0.5	88	0.3	0.8	0.5	142	1.67
1627507	Drill Core	6.60	0.012	4.5	106.7	7.9	70	<0.1	5.6	22.5	446	5.59	23.1	7.4	0.5	88	0.3	1.1	0.5	134	1.51
1627508	Drill Core	5.36	0.015	1.1	179.1	4.1	67	0.1	4.5	17.2	526	3.87	21.2	9.6	0.5	50	<0.1	0.9	0.4	130	1.39
1627509	Drill Core	7.20	0.014	1.3	147.6	6.3	72	0.1	5.1	19.5	573	4.60	17.9	6.7	0.5	24	<0.1	0.7	0.5	139	1.77
1627510	Drill Core	6.77	0.016	2.3	198.8	6.9	76	0.1	6.3	15.6	530	4.18	22.7	10.0	0.6	35	0.2	1.0	0.4	128	1.31
1627511	Drill Core	6.45	0.013	2.2	200.5	7.9	77	0.2	5.0	19.9	529	4.74	33.3	8.8	0.5	66	0.2	1.7	0.3	140	1.15
1627512	Drill Core	5.95	0.013	2.9	142.9	7.5	67	0.1	4.2	12.9	556	3.86	24.9	12.4	0.7	46	0.2	1.3	0.5	126	1.43
1627513	Drill Core	6.08	0.023	5.4	186.3	10.6	76	0.1	5.5	18.8	658	4.69	36.1	9.9	0.8	94	0.3	1.0	0.4	138	1.86
1627514	Drill Core	5.84	0.022	7.7	252.7	6.9	76	0.2	6.3	16.8	704	4.48	28.1	14.9	0.6	62	0.3	1.1	0.4	117	1.43
1627515	Drill Core	2.71	0.029	2.4	205.6	25.2	109	0.3	6.0	23.0	570	4.77	21.7	14.6	0.5	63	0.8	0.8	0.8	101	1.00
1627516	Drill Core	6.20	0.013	1.8	66.6	14.4	73	0.1	6.6	18.9	403	3.43	24.6	8.5	0.6	78	0.7	0.6	0.6	55	1.36
1627517	Drill Core	6.12	0.010	2.8	92.2	7.6	84	0.2	16.8	18.4	597	4.12	35.4	7.1	0.5	95	0.3	1.3	0.5	91	1.51
1627518	Drill Core	5.79	0.013	3.0	166.5	7.0	97	0.2	15.5	20.1	633	4.62	30.5	6.5	0.2	63	0.4	1.5	0.5	121	1.45
1627519	Drill Core	5.55	0.009	1.5	187.9	15.5	153	0.3	17.0	26.7	834	4.53	23.2	5.7	0.2	159	0.8	1.3	0.3	173	1.41
1627520	Rock Pulp	0.12	0.509	14.1	3605.7	97.7	888	4.4	15.9	12.2	708	4.47	27.2	470.1	2.1	59	4.9	0.8	1.3	26	0.79
1627521	Drill Core	5.57	0.013	1.5	145.6	10.6	106	0.2	17.8	30.2	759	4.65	21.9	5.1	0.3	156	0.4	1.0	0.3	191	1.44
1627522	Drill Core	6.97	0.014	2.6	184.0	10.4	91	0.2	16.3	24.1	671	4.69	22.5	6.1	0.3	151	0.2	0.9	0.3	184	1.40
1627523	Drill Core	3.30	0.016	3.8	205.1	11.9	78	0.2	27.5	40.8	661	6.86	24.5	12.3	0.2	154	0.4	0.9	0.9	159	1.46
1627524	Drill Core	3.30	0.018	2.3	252.3	7.6	68	0.2	33.1	47.6	548	7.67	33.7	13.4	0.2	136	0.3	0.7	0.4	102	1.02
1627525	Drill Core	2.43	0.020	3.3	295.9	8.8	71	0.2	39.4	57.2	607	9.17	39.8	16.7	0.2	164	0.3	0.8	0.5	110	1.10
1627526	Drill Core	4.97	0.028	5.7	746.2	9.4	109	0.8	20.6	36.9	856	6.57	36.0	21.4	0.4	150	0.5	1.2	0.4	131	1.48
1627527	Drill Core	5.48	0.020	3.4	118.2	11.4	96	0.2	13.8	27.9	946	5.29	23.8	13.5	0.4	49	0.8	0.7	0.3	224	1.61
1627528	Drill Core	9.35	0.018	4.2	157.8	14.2	98	0.3	14.2	36.1	813	6.23	26.1	12.9	0.2	30	0.6	0.7	0.6	167	1.48
1627529	Drill Core	7.48	0.013	8.0	120.0	18.3	66	0.2	8.4	21.6	460	4.27	22.1	6.0	0.3	48	1.7	0.7	0.5	128	1.39
1627530	Drill Core	7.73	0.018	4.5	102.7	7.5	77	0.2	9.6	26.4	621	5.78	30.5	12.5	0.3	56	0.5	0.7	0.5	154	1.16
1627531	Drill Core	2.64	0.022	2.0	204.9	6.9	92	0.2	6.2	17.2	800	4.83	22.5	16.2	0.3	21	0.3	0.7	0.4	130	1.10
1627532	Drill Core	2.21	0.010	1.9	123.3	7.5	81	0.1	6.3	19.3	898	4.86	29.8	7.9	0.2	47	0.4	0.4	0.7	122	4.93
1627533	Drill Core	7.30	0.016	5.1	158.1	6.4	56	0.1	7.7	26.2	507	4.96	19.1	7.4	0.2	52	0.3	0.4	1.2	84	1.05

CERTIFICATE OF ANALYSIS

SMI14000319.1

Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1627504	Drill Core	0.135	2	9	1.99	28	0.184	<20	2.45	0.157	0.10	0.2	<0.01	14.6	<0.1	3.80	9	9.5	<0.2
1627505	Drill Core	0.136	3	11	2.17	18	0.200	<20	2.79	0.257	0.12	0.1	0.01	12.0	<0.1	4.16	9	13.2	<0.2
1627506	Drill Core	0.134	2	11	1.84	20	0.172	<20	3.13	0.340	0.26	0.1	0.02	9.5	<0.1	4.07	9	5.9	<0.2
1627507	Drill Core	0.131	3	9	1.59	23	0.182	<20	2.53	0.308	0.20	0.2	0.01	9.1	<0.1	5.06	7	6.6	<0.2
1627508	Drill Core	0.137	4	9	1.65	21	0.162	<20	1.86	0.133	0.08	0.1	<0.01	8.0	<0.1	2.94	7	3.0	<0.2
1627509	Drill Core	0.128	4	9	2.29	7	0.171	<20	2.12	0.076	0.06	0.2	<0.01	12.3	<0.1	3.73	9	3.1	<0.2
1627510	Drill Core	0.134	4	10	1.95	9	0.180	<20	1.90	0.116	0.07	0.2	<0.01	9.3	<0.1	3.36	7	2.8	<0.2
1627511	Drill Core	0.138	3	9	1.68	14	0.179	<20	1.95	0.183	0.15	0.2	<0.01	9.5	<0.1	4.20	7	5.4	<0.2
1627512	Drill Core	0.129	2	9	2.05	12	0.159	<20	2.19	0.143	0.09	0.2	<0.01	9.0	<0.1	3.18	8	4.0	<0.2
1627513	Drill Core	0.146	3	8	2.37	20	0.178	<20	3.00	0.268	0.22	0.1	<0.01	10.4	<0.1	4.00	9	4.2	<0.2
1627514	Drill Core	0.138	4	10	1.89	15	0.144	<20	2.13	0.165	0.10	0.2	<0.01	7.5	<0.1	3.79	7	5.8	<0.2
1627515	Drill Core	0.130	3	8	1.53	19	0.129	<20	1.70	0.161	0.15	0.2	0.03	5.5	<0.1	4.18	6	5.5	<0.2
1627516	Drill Core	0.173	3	7	1.10	14	0.098	<20	1.86	0.249	0.10	0.1	<0.01	2.6	<0.1	3.06	5	4.1	<0.2
1627517	Drill Core	0.152	2	17	1.61	29	0.153	<20	2.54	0.309	0.30	0.1	0.01	5.9	<0.1	3.12	7	2.4	<0.2
1627518	Drill Core	0.105	1	14	1.62	15	0.165	<20	2.20	0.157	0.10	0.2	<0.01	8.9	<0.1	3.59	7	4.8	<0.2
1627519	Drill Core	0.114	2	14	1.87	22	0.163	<20	2.61	0.234	0.18	0.1	0.01	16.2	<0.1	3.12	8	11.7	<0.2
1627520	Rock Pulp	0.064	3	24	0.52	61	0.025	<20	1.38	0.048	0.29	1.9	0.04	2.5	0.4	3.16	4	3.7	0.6
1627521	Drill Core	0.112	2	18	2.01	31	0.179	<20	2.92	0.257	0.31	0.1	0.01	19.1	<0.1	3.23	8	9.4	<0.2
1627522	Drill Core	0.121	2	16	1.78	36	0.172	<20	2.81	0.306	0.37	<0.1	<0.01	18.3	<0.1	3.32	8	3.1	<0.2
1627523	Drill Core	0.104	2	23	1.83	19	0.147	<20	2.81	0.262	0.22	0.1	0.01	18.0	<0.1	5.64	8	3.2	<0.2
1627524	Drill Core	0.107	2	19	1.37	18	0.126	<20	2.13	0.203	0.26	0.1	<0.01	12.7	<0.1	7.24	5	5.2	0.2
1627525	Drill Core	0.120	2	22	1.52	21	0.146	<20	2.38	0.227	0.29	0.1	0.01	14.3	<0.1	8.31	6	3.8	0.3
1627526	Drill Core	0.131	2	14	2.33	24	0.168	<20	3.02	0.203	0.21	0.1	0.01	15.2	<0.1	5.41	8	2.6	<0.2
1627527	Drill Core	0.123	3	20	3.12	19	0.238	<20	2.82	0.140	0.17	0.2	<0.01	20.4	<0.1	3.97	10	2.1	<0.2
1627528	Drill Core	0.135	3	13	2.66	12	0.179	<20	2.12	0.068	0.11	0.2	<0.01	13.9	<0.1	5.29	8	1.9	0.3
1627529	Drill Core	0.147	3	9	1.22	15	0.102	<20	1.39	0.095	0.11	0.1	<0.01	9.8	<0.1	4.02	5	0.8	<0.2
1627530	Drill Core	0.144	3	9	2.10	19	0.157	<20	1.87	0.116	0.13	0.1	0.01	10.7	<0.1	5.24	8	1.0	<0.2
1627531	Drill Core	0.156	3	4	2.72	14	0.185	<20	1.94	0.069	0.13	0.2	<0.01	8.9	<0.1	3.94	8	0.9	<0.2
1627532	Drill Core	0.138	2	3	2.23	4	0.096	<20	2.96	0.035	0.04	0.2	<0.01	8.6	<0.1	3.63	11	0.9	<0.2
1627533	Drill Core	0.155	2	5	1.51	17	0.095	<20	1.52	0.125	0.08	0.2	<0.01	3.8	<0.1	4.12	5	2.6	<0.2

CERTIFICATE OF ANALYSIS

SMI14000319.1

Method Analyte Unit MDL	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1627534	Drill Core	7.34	0.012	17.0	117.1	8.2	58	0.2	17.1	35.5	596	5.37	29.5	5.0	0.2	62	<0.1	1.2	1.2	82	1.12
1627535	Drill Core	7.66	0.016	6.8	231.6	12.1	76	0.2	17.9	34.2	715	6.06	27.1	12.2	0.2	65	0.2	0.7	1.3	117	1.67
1627536	Drill Core	6.29	0.013	2.8	247.2	8.2	80	0.2	16.2	34.4	680	5.31	25.2	9.5	0.2	77	0.2	0.8	0.9	90	1.74
1627537	Drill Core	6.73	0.009	4.3	138.1	6.2	59	0.1	12.4	19.1	396	3.92	19.4	4.2	0.6	49	0.3	0.8	0.4	57	1.47
1627538	Drill Core	7.35	0.011	7.0	146.8	4.8	48	0.1	19.4	14.1	333	3.88	21.1	5.6	0.8	40	0.3	0.5	0.8	31	0.83
1627539	Drill Core	7.13	0.016	4.9	191.3	6.4	403	0.1	17.6	15.1	386	3.87	18.0	12.2	0.6	36	4.0	0.5	0.7	44	0.77
1627540	Rock Pulp	0.12	0.330	244.0	2408.0	74.8	425	2.6	13.3	10.1	695	3.99	25.2	218.8	2.9	56	2.2	1.4	1.1	27	0.73
1627541	Drill Core	5.70	0.013	5.0	144.8	12.6	86	0.2	8.2	15.2	416	3.78	16.2	1.4	0.3	27	0.6	0.6	0.4	47	1.02
1627542	Drill Core	5.92	0.025	67.7	544.2	11.7	105	0.4	6.2	14.5	525	4.21	28.0	12.9	0.5	23	0.8	0.7	0.4	50	0.89
1627543	Drill Core	5.63	0.372	35.7	1861.4	9.1	181	2.4	6.7	18.5	606	4.48	26.9	366.1	0.7	31	1.1	1.4	0.3	89	0.80
1627544	Drill Core	5.04	0.024	7.7	401.8	9.3	112	0.3	9.1	20.4	510	3.81	30.4	14.2	0.5	38	0.9	0.8	0.6	72	1.04
1627545	Drill Core	5.89	0.018	1.6	156.3	5.6	73	0.1	4.2	13.9	479	3.55	25.7	15.7	0.6	67	0.4	0.8	0.3	132	1.04
1627546	Drill Core	5.70	0.015	1.7	272.5	4.5	85	0.2	4.6	25.4	671	4.57	34.8	9.9	0.8	64	0.2	0.9	0.4	190	1.13
1627547	Drill Core	5.72	0.010	1.2	126.6	3.5	100	0.1	4.1	14.9	877	4.60	20.7	5.6	0.8	91	0.2	1.0	0.2	205	1.28
1627548	Drill Core	5.46	0.010	0.9	172.6	5.3	79	0.2	3.6	15.7	794	4.53	32.1	8.5	0.7	135	0.3	0.9	0.5	180	1.79
1627549	Drill Core	3.61	0.023	1.8	452.7	7.0	172	0.7	3.8	19.8	1202	4.40	41.6	15.4	0.7	116	0.6	1.5	0.3	180	1.77
1627550	Rock	1.21	<0.005	<0.1	0.6	<0.1	<1	<0.1	1.4	1.4	30	0.04	0.9	<0.5	<0.1	4112	<0.1	<0.1	<0.1	<2	34.57
1627551	Drill Core	7.68	0.009	0.8	142.9	7.8	127	0.2	3.0	16.5	1038	5.06	14.5	5.1	0.8	102	0.5	1.2	0.2	201	1.38
1627552	Drill Core	6.07	0.007	0.5	107.2	9.9	105	0.1	3.0	14.7	1053	4.83	12.1	2.1	0.8	37	0.3	0.7	0.1	204	1.38
1627553	Drill Core	2.37	0.009	1.4	123.2	6.5	97	0.1	3.3	15.5	1113	4.89	10.6	4.0	0.8	47	0.2	0.7	0.2	202	1.51



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Client: **Colorado Resources Ltd.**
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 West Kelowna BC V4T 2N6 CANADA

Project: North_Rok
 Report Date: June 19, 2014

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

SMI14000319.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1627534	Drill Core	0.133	3	10	1.57	12	0.112	<20	1.65	0.110	0.06	0.2	0.01	5.0	<0.1	4.67	6	3.2	<0.2	
1627535	Drill Core	0.137	3	14	1.65	12	0.137	<20	1.98	0.105	0.07	0.2	<0.01	8.5	<0.1	4.53	6	2.9	<0.2	
1627536	Drill Core	0.141	3	8	1.27	19	0.108	<20	2.04	0.149	0.08	0.2	<0.01	5.9	<0.1	3.93	5	3.8	<0.2	
1627537	Drill Core	0.108	3	14	0.77	25	0.112	<20	1.40	0.090	0.09	0.2	<0.01	3.3	<0.1	3.00	5	2.2	<0.2	
1627538	Drill Core	0.107	3	10	0.58	32	0.085	<20	0.92	0.092	0.10	0.2	<0.01	1.9	<0.1	3.18	4	1.5	<0.2	
1627539	Drill Core	0.118	3	14	0.80	32	0.085	<20	1.03	0.083	0.10	0.2	0.08	2.7	<0.1	2.98	4	2.3	<0.2	
1627540	Rock Pulp	0.065	4	19	0.54	57	0.033	<20	1.44	0.045	0.26	0.8	0.04	2.3	0.3	1.98	4	2.7	0.7	
1627541	Drill Core	0.124	3	10	0.88	19	0.075	<20	1.12	0.055	0.07	0.1	0.01	3.0	<0.1	2.86	5	1.8	<0.2	
1627542	Drill Core	0.110	3	5	1.06	36	0.078	<20	1.12	0.072	0.09	0.2	0.02	2.6	<0.1	2.86	5	2.2	0.2	
1627543	Drill Core	0.128	3	8	1.67	21	0.137	<20	1.78	0.104	0.07	0.2	0.02	3.9	0.1	2.49	7	3.0	<0.2	
1627544	Drill Core	0.152	3	8	0.72	21	0.113	<20	1.18	0.111	0.10	0.3	0.01	4.2	<0.1	2.59	5	2.6	<0.2	
1627545	Drill Core	0.158	5	5	1.05	39	0.179	<20	1.46	0.131	0.11	0.2	<0.01	4.1	<0.1	1.64	6	0.6	<0.2	
1627546	Drill Core	0.160	4	7	2.38	30	0.272	<20	2.26	0.123	0.11	0.2	<0.01	14.6	<0.1	2.15	9	0.7	<0.2	
1627547	Drill Core	0.164	5	6	2.60	65	0.301	<20	2.79	0.159	0.31	0.1	<0.01	17.9	<0.1	1.35	9	<0.5	<0.2	
1627548	Drill Core	0.155	4	6	2.18	60	0.236	<20	3.66	0.346	0.25	0.1	<0.01	11.8	0.1	1.83	10	1.0	<0.2	
1627549	Drill Core	0.146	4	5	3.57	34	0.241	<20	4.22	0.297	0.18	0.2	0.01	17.6	0.2	1.77	11	0.6	<0.2	
1627550	Rock	0.005	<1	<1	1.79	4	0.001	<20	0.03	0.004	<0.01	<0.1	<0.01	0.3	<0.1	0.09	<1	<0.5	0.2	
1627551	Drill Core	0.157	5	5	2.15	45	0.260	<20	2.98	0.236	0.14	0.1	<0.01	12.1	<0.1	1.58	9	<0.5	<0.2	
1627552	Drill Core	0.155	5	5	2.51	35	0.246	<20	2.67	0.094	0.15	0.1	<0.01	16.6	<0.1	1.34	11	0.7	<0.2	
1627553	Drill Core	0.156	5	6	2.31	41	0.261	<20	2.49	0.099	0.17	0.1	<0.01	14.8	<0.1	1.62	9	1.0	<0.2	

QUALITY CONTROL REPORT

SMI14000319.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
1626976	Drill Core	4.45	0.018	5.3	60.2	7.3	79	<0.1	9.7	15.7	773	5.37	18.0	4.6	0.5	45	0.1	0.6	0.7	180	1.36
REP 1626976	QC	0.009																			
1626981	Drill Core	6.98	0.014	6.5	50.4	9.1	55	0.1	3.8	22.2	376	4.83	25.0	6.4	0.4	72	0.2	0.6	0.9	87	1.02
REP 1626981	QC	0.014																			
1627502	Drill Core	6.93	0.015	2.9	140.4	10.7	74	0.1	4.4	20.1	550	5.69	26.7	9.8	0.6	93	0.2	1.3	0.3	165	1.56
REP 1627502	QC	3.0 146.9 10.7 73 0.1 4.5 20.1 564 5.81 26.3 7.4 0.6 95 0.4 1.2 0.3 167 1.60																			
1627537	Drill Core	6.73	0.009	4.3	138.1	6.2	59	0.1	12.4	19.1	396	3.92	19.4	4.2	0.6	49	0.3	0.8	0.4	57	1.47
REP 1627537	QC	4.9 147.4 6.4 60 0.1 13.4 20.7 408 4.06 20.9 4.7 0.6 49 0.2 0.7 0.4 57 1.50																			
Core Reject Duplicates																					
1626995	Drill Core	6.03	0.011	0.5	162.8	5.5	73	<0.1	4.7	15.5	543	4.42	28.8	6.7	0.5	43	0.1	1.2	0.2	139	1.33
DUP 1626995	QC	0.011 0.6 161.1 5.6 72 <0.1 5.1 15.6 546 4.44 29.3 7.2 0.5 41 0.1 1.0 0.1 138 1.29																			
1627533	Drill Core	7.30	0.016	5.1	158.1	6.4	56	0.1	7.7	26.2	507	4.96	19.1	7.4	0.2	52	0.3	0.4	1.2	84	1.05
DUP 1627533	QC	0.014 5.9 167.5 6.8 55 0.1 7.8 27.6 518 5.13 18.8 9.1 0.3 52 0.4 0.4 1.2 87 1.12																			
Reference Materials																					
STD DS10	Standard	11.8 146.2 140.4 353 2.0 71.6 12.5 836 2.57 44.6 76.8 6.5 67 2.5 7.6 12.3 41 0.99																			
STD DS10	Standard	13.4 155.2 146.4 379 2.0 78.9 13.4 882 2.75 47.8 64.4 7.0 76 2.9 8.4 12.9 43 1.04																			
STD DS10	Standard	11.4 140.2 140.2 350 1.8 66.1 11.6 818 2.45 41.3 46.5 6.3 66 2.6 8.2 12.3 37 0.96																			
STD OREAS45EA	Standard	1.5 648.8 13.6 29 0.2 339.3 49.8 385 22.36 8.2 63.5 9.5 4 <0.1 0.3 0.3 272 0.05																			
STD OREAS45EA	Standard	1.4 697.6 15.3 31 0.3 373.4 52.5 415 24.52 10.2 56.9 11.1 4 <0.1 0.4 0.4 294 0.04																			
STD OREAS45EA	Standard	1.8 647.4 14.1 30 0.3 343.8 49.5 397 21.15 10.8 49.7 10.2 4 <0.1 0.6 0.3 282 0.04																			
STD OXD108	Standard	0.418																			
STD OXD108	Standard	0.410																			
STD OXI96	Standard	1.765																			
STD OXI96	Standard	1.756																			
STD OXN117	Standard	7.596																			
STD OXN117	Standard	7.504																			
STD OXD108 Expected		0.414																			
STD OXI96 Expected		1.802																			

QUALITY CONTROL REPORT

SMI14000319.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
1626976	Drill Core	0.134	4	9	2.42	18	0.186	<20	2.38	0.141	0.10	0.4	<0.01	14.2	<0.1	2.22	9	<0.5	<0.2
REP 1626976	QC																		
1626981	Drill Core	0.124	2	5	1.16	18	0.128	<20	1.68	0.220	0.08	0.2	0.01	4.7	<0.1	4.69	5	3.1	<0.2
REP 1626981	QC																		
1627502	Drill Core	0.138	3	10	1.57	49	0.165	<20	2.84	0.310	0.15	0.1	0.01	13.6	<0.1	5.11	9	11.3	0.2
REP 1627502	QC	0.136	3	11	1.59	49	0.165	<20	2.86	0.309	0.16	0.2	0.01	14.1	<0.1	5.14	9	9.9	<0.2
1627537	Drill Core	0.108	3	14	0.77	25	0.112	<20	1.40	0.090	0.09	0.2	<0.01	3.3	<0.1	3.00	5	2.2	<0.2
REP 1627537	QC	0.111	3	15	0.80	26	0.110	<20	1.42	0.092	0.09	0.2	<0.01	3.4	<0.1	3.13	5	1.3	<0.2
Core Reject Duplicates																			
1626995	Drill Core	0.150	3	14	1.74	27	0.178	<20	2.10	0.128	0.10	0.2	0.02	9.2	<0.1	3.35	7	3.2	<0.2
DUP 1626995	QC	0.152	3	14	1.76	25	0.176	<20	2.08	0.121	0.09	0.2	0.01	9.1	<0.1	3.40	7	3.4	<0.2
1627533	Drill Core	0.155	2	5	1.51	17	0.095	<20	1.52	0.125	0.08	0.2	<0.01	3.8	<0.1	4.12	5	2.6	<0.2
DUP 1627533	QC	0.149	2	5	1.55	16	0.102	<20	1.57	0.115	0.07	0.2	<0.01	3.8	<0.1	4.26	6	4.0	0.2
Reference Materials																			
STD DS10	Standard	0.074	15	51	0.73	384	0.067	<20	0.93	0.060	0.31	3.2	0.28	2.4	4.9	0.28	4	1.6	5.0
STD DS10	Standard	0.080	17	55	0.77	418	0.077	<20	1.03	0.069	0.34	2.7	0.28	2.9	4.9	0.29	4	1.8	5.1
STD DS10	Standard	0.068	14	48	0.70	375	0.064	<20	0.87	0.055	0.30	3.1	0.27	2.5	4.7	0.26	4	1.8	4.7
STD OREAS45EA	Standard	0.029	7	711	0.10	136	0.093	<20	2.76	0.022	0.05	<0.1	0.01	72.7	<0.1	<0.05	11	<0.5	<0.2
STD OREAS45EA	Standard	0.029	7	765	0.11	153	0.097	<20	3.05	0.024	0.05	<0.1	0.02	79.1	<0.1	<0.05	13	<0.5	<0.2
STD OREAS45EA	Standard	0.029	7	690	0.10	141	0.089	<20	2.72	0.017	0.05	<0.1	<0.01	71.7	<0.1	<0.05	12	<0.5	<0.2
STD OXD108	Standard																		
STD OXD108	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXN117	Standard																		
STD OXN117	Standard																		
STD OXD108 Expected																			
STD OXI96 Expected																			



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Client: Colorado Resources Ltd.
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Project: North_Rok
Report Date: June 19, 2014

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Part: 1 of 2

QUALITY CONTROL REPORT

SMI14000319.1

	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
STD OXN117 Expected	7.679																				
STD DS10 Expected		14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625		
STD OREAS45EA Expected		1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036		
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank		<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
Prep Wash																					
G1-SMI	Prep Blank	<0.005	<0.1	2.4	3.5	41	<0.1	2.2	3.3	543	1.85	0.9	0.6	5.2	56	<0.1	<0.1	<0.1	33	0.45	
G1-SMI	Prep Blank	<0.005	<0.1	2.1	3.0	42	<0.1	2.3	3.5	545	1.78	<0.5	<0.5	4.8	54	<0.1	<0.1	<0.1	33	0.45	

QUALITY CONTROL REPORT

SMI14000319.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
STD OXN117 Expected																				
STD DS10 Expected		0.073	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01	
STD OREAS45EA Expected		0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053			78	0.072	0.036	11.7	0.6	0.07	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																				
G1-SMI	Prep Blank	0.067	12	7	0.46	156	0.111	<20	0.86	0.085	0.44	<0.1	<0.01	2.1	0.3	<0.05	4	<0.5	<0.2	
G1-SMI	Prep Blank	0.066	10	7	0.49	154	0.111	<20	0.85	0.074	0.44	<0.1	<0.01	2.0	0.3	<0.05	4	<0.5	<0.2	



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Submitted By: Greg Dawson
Receiving Lab: Canada-Smithers
Received: June 09, 2014
Report Date: June 18, 2014
Page: 1 of 2

CERTIFICATE OF ANALYSIS

SMI14000320.1

CLIENT JOB INFORMATION

Project: North_Rok
Shipment ID: 14-7
P.O. Number
Number of Samples: 19

SAMPLE DISPOSAL

RTRN-PLP Return
STOR-RJT Store After 90 days Invoice for Storage

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

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

CC: Gilles Dessureau
Allan Jacobs

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	18	Crush, split and pulverize 250 g rock to 200 mesh			SMI
FA430	19	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
AQ200	19	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: North_Rok
 Report Date: June 18, 2014

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

SMI14000320.1

Method Analyte Unit MDL	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1627554	Drill Core	4.98	0.008	1.0	199.1	1.4	86	<0.1	2.0	7.8	601	3.49	17.1	6.0	0.9	74	<0.1	0.8	0.1	91	0.88
1627555	Drill Core	3.53	0.019	1.3	164.1	1.4	83	<0.1	1.4	8.3	618	3.87	19.3	10.8	0.9	57	<0.1	0.6	<0.1	109	1.04
1627556	Drill Core	5.15	0.012	1.1	88.4	1.6	72	<0.1	1.4	9.8	597	3.56	21.3	5.3	0.9	39	<0.1	0.4	0.1	111	0.97
1627557	Drill Core	5.27	0.013	1.7	167.2	3.2	84	0.1	1.7	17.0	729	4.53	22.6	11.1	0.8	56	0.1	0.7	0.3	127	1.34
1627558	Drill Core	5.62	0.024	3.6	219.9	4.3	85	0.1	2.3	22.3	565	4.81	28.4	21.3	0.9	100	0.1	0.5	0.5	142	1.09
1627559	Drill Core	5.58	0.021	1.2	223.4	4.3	72	0.1	1.8	15.3	577	4.47	22.0	10.9	0.9	73	<0.1	0.5	0.3	154	1.05
1627560	Rock Pulp	0.12	0.325	266.5	2627.7	78.6	458	2.7	12.5	11.2	770	4.27	28.4	282.9	4.0	53	1.7	1.5	1.0	30	0.80
1627561	Drill Core	5.91	0.022	0.6	193.5	2.3	80	<0.1	1.4	13.3	632	4.46	16.9	8.1	0.9	56	<0.1	0.4	<0.1	160	1.15
1627562	Drill Core	5.81	0.016	1.5	192.2	3.1	65	<0.1	1.7	11.3	542	4.56	19.0	8.8	1.0	73	<0.1	0.4	<0.1	164	1.20
1627563	Drill Core	5.75	0.016	2.9	196.7	4.4	67	0.1	1.8	17.4	533	4.56	28.3	10.5	0.9	75	<0.1	0.5	0.2	162	1.17
1627564	Drill Core	5.71	0.012	1.8	194.8	3.7	69	<0.1	1.5	12.2	568	4.67	30.8	11.0	1.0	86	0.1	0.4	0.2	161	1.23
1627565	Drill Core	5.86	0.013	1.7	145.9	3.3	60	<0.1	2.0	11.1	595	4.89	25.7	14.1	1.0	70	<0.1	0.5	0.1	165	1.10
1627566	Drill Core	5.76	0.011	1.3	100.6	4.7	54	<0.1	2.0	18.5	547	4.77	32.9	14.3	1.0	43	<0.1	0.4	0.3	142	1.19
1627567	Drill Core	5.51	0.027	1.4	188.4	5.3	59	<0.1	1.9	17.3	596	4.56	27.1	26.4	0.9	35	<0.1	0.5	0.3	150	1.10
1627568	Drill Core	5.43	0.034	3.9	157.8	3.0	56	<0.1	1.8	21.8	711	4.76	34.3	63.8	0.8	22	<0.1	0.3	0.4	118	1.09
1627569	Drill Core	5.42	0.021	2.8	162.9	3.2	60	<0.1	1.8	18.2	921	4.50	27.2	16.0	1.0	38	<0.1	0.4	0.4	131	1.45
1627570	Drill Core	5.92	0.029	3.0	165.9	5.4	59	0.1	2.1	25.4	845	4.89	32.3	28.7	1.0	64	<0.1	0.5	0.6	135	1.49
1627571	Drill Core	5.79	0.014	2.4	149.2	3.6	51	<0.1	1.1	19.0	775	4.59	29.7	12.5	1.0	49	<0.1	0.4	0.4	144	1.43
1627572	Drill Core	5.61	0.036	48.4	232.7	7.0	50	0.2	2.5	19.0	550	4.19	32.5	19.5	1.1	52	<0.1	0.6	0.5	127	1.01



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Project: North_Rok
 Report Date: June 18, 2014

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

SMI14000320.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1627554	Drill Core	0.150	3	3	2.30	20	0.140	<20	2.31	0.038	0.06	0.5	0.01	5.5	<0.1	0.48	8	0.8	<0.2	
1627555	Drill Core	0.156	3	2	2.20	29	0.150	<20	2.23	0.059	0.08	0.4	<0.01	6.1	<0.1	0.44	9	<0.5	<0.2	
1627556	Drill Core	0.149	3	2	2.16	29	0.149	<20	2.13	0.056	0.09	0.3	<0.01	6.6	<0.1	0.56	8	<0.5	<0.2	
1627557	Drill Core	0.150	3	3	2.34	35	0.188	<20	2.55	0.057	0.09	0.4	<0.01	8.6	<0.1	1.49	9	2.7	<0.2	
1627558	Drill Core	0.146	3	3	2.01	57	0.149	<20	2.38	0.112	0.11	0.3	<0.01	8.2	<0.1	2.20	8	5.2	0.4	
1627559	Drill Core	0.157	3	2	2.17	41	0.178	<20	2.33	0.082	0.11	0.3	<0.01	7.4	<0.1	0.91	8	2.7	<0.2	
1627560	Rock Pulp	0.072	4	20	0.58	63	0.036	<20	1.55	0.050	0.29	1.0	0.05	2.3	0.2	2.10	4	4.3	0.6	
1627561	Drill Core	0.144	3	1	2.66	25	0.219	<20	2.76	0.063	0.08	0.3	<0.01	10.5	<0.1	0.27	9	<0.5	<0.2	
1627562	Drill Core	0.162	4	1	2.10	34	0.199	<20	2.46	0.114	0.09	0.2	<0.01	6.2	<0.1	0.42	8	1.1	<0.2	
1627563	Drill Core	0.153	4	2	1.86	40	0.211	<20	2.19	0.132	0.10	0.3	<0.01	7.0	<0.1	1.21	8	2.0	<0.2	
1627564	Drill Core	0.149	3	2	2.00	36	0.223	<20	2.40	0.153	0.10	0.2	<0.01	8.7	<0.1	0.82	8	1.1	<0.2	
1627565	Drill Core	0.145	4	2	2.02	36	0.200	<20	2.28	0.155	0.10	0.3	<0.01	9.1	<0.1	0.48	8	0.8	<0.2	
1627566	Drill Core	0.149	3	2	2.33	23	0.195	<20	2.44	0.092	0.10	0.4	<0.01	10.0	<0.1	1.58	9	3.0	<0.2	
1627567	Drill Core	0.151	3	2	2.34	30	0.177	<20	2.28	0.064	0.10	0.3	0.01	10.8	<0.1	1.39	9	2.1	<0.2	
1627568	Drill Core	0.135	3	2	2.52	25	0.152	<20	2.32	0.046	0.15	0.4	<0.01	7.8	<0.1	2.14	8	2.8	<0.2	
1627569	Drill Core	0.146	3	1	2.27	21	0.136	<20	2.33	0.079	0.14	0.4	0.02	8.9	<0.1	2.08	8	2.7	<0.2	
1627570	Drill Core	0.148	3	2	2.61	24	0.155	<20	2.48	0.078	0.11	0.6	<0.01	10.9	<0.1	2.84	9	2.9	<0.2	
1627571	Drill Core	0.148	3	<1	2.42	21	0.155	<20	2.41	0.072	0.10	0.8	<0.01	10.1	<0.1	1.80	9	1.7	<0.2	
1627572	Drill Core	0.140	3	5	1.96	38	0.190	<20	2.16	0.101	0.12	0.6	<0.01	8.2	<0.1	2.17	8	7.4	<0.2	

QUALITY CONTROL REPORT

SMI14000320.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
REP 1627558	QC	0.022																			
1627565	Drill Core	5.86	0.013	1.7	145.9	3.3	60	<0.1	2.0	11.1	595	4.89	25.7	14.1	1.0	70	<0.1	0.5	0.1	165	1.10
REP 1627565	QC			2.0	147.0	3.3	59	<0.1	1.5	11.4	569	4.65	26.1	12.8	1.0	72	<0.1	0.5	0.1	160	1.16
Core Reject Duplicates																					
1627558	Drill Core	5.62	0.024	3.6	219.9	4.3	85	0.1	2.3	22.3	565	4.81	28.4	21.3	0.9	100	0.1	0.5	0.5	142	1.09
DUP 1627558	QC		0.022	3.3	219.2	4.1	83	0.1	1.7	22.3	544	4.61	28.6	24.4	0.9	99	0.1	0.5	0.5	135	1.11
Reference Materials																					
STD DS10	Standard			15.8	158.6	171.7	405	2.2	81.9	13.6	969	2.74	47.8	81.3	8.2	70	2.5	8.0	12.1	44	1.17
STD OREAS45EA	Standard			1.8	752.2	16.1	32	0.3	405.9	56.0	427	24.51	11.0	59.5	11.5	4	<0.1	0.3	0.3	324	0.04
STD OXD108	Standard		0.400																		
STD OXI96	Standard		1.750																		
STD OXN117	Standard		7.464																		
STD OXD108 Expected			0.414																		
STD OXI96 Expected			1.802																		
STD OXN117 Expected			7.679																		
STD DS10 Expected			14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	
STD OREAS45EA Expected			1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036	
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
Prep Wash																					
G1-SMI	Prep Blank		<0.005	<0.1	2.7	3.5	48	<0.1	2.6	4.0	597	1.96	<0.5	2.8	7.9	61	<0.1	<0.1	0.1	39	0.47
G1-SMI	Prep Blank		<0.005	<0.1	2.3	3.0	45	<0.1	2.7	3.9	576	1.80	<0.5	<0.5	5.7	58	<0.1	<0.1	<0.1	36	0.44

QUALITY CONTROL REPORT

SMI14000320.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
REP 1627558	QC																		
1627565	Drill Core	0.145	4	2	2.02	36	0.200	<20	2.28	0.155	0.10	0.3	<0.01	9.1	<0.1	0.48	8	0.8	<0.2
REP 1627565	QC	0.150	3	1	1.96	36	0.198	<20	2.26	0.153	0.11	0.3	<0.01	8.9	<0.1	0.51	8	0.9	<0.2
Core Reject Duplicates																			
1627558	Drill Core	0.146	3	3	2.01	57	0.149	<20	2.38	0.112	0.11	0.3	<0.01	8.2	<0.1	2.20	8	5.2	0.4
DUP 1627558	QC	0.148	3	1	1.97	54	0.146	<20	2.31	0.107	0.11	0.4	<0.01	8.0	<0.1	2.23	8	5.5	0.4
Reference Materials																			
STD DS10	Standard	0.077	19	60	0.80	425	0.087	<20	1.08	0.069	0.35	2.8	0.30	3.0	5.3	0.33	5	2.0	4.9
STD OREAS45EA	Standard	0.029	8	871	0.10	153	0.109	<20	3.35	0.020	0.06	<0.1	0.02	80.8	<0.1	<0.05	13	0.6	<0.2
STD OXD108	Standard																		
STD OXI96	Standard																		
STD OXN117	Standard																		
STD OXD108 Expected																			
STD OXI96 Expected																			
STD OXN117 Expected																			
STD DS10 Expected		0.073	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01
STD OREAS45EA Expected		0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053			78	0.072	0.036	11.7	0.6	0.07
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1-SMI	Prep Blank	0.076	13	5	0.51	183	0.132	<20	0.90	0.078	0.48	<0.1	<0.01	2.3	0.3	<0.05	5	<0.5	<0.2
G1-SMI	Prep Blank	0.074	12	5	0.50	161	0.127	<20	0.89	0.072	0.48	<0.1	<0.01	2.1	0.3	<0.05	4	<0.5	<0.2



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Submitted By: Greg Dawson
Receiving Lab: Canada-Smithers
Received: June 12, 2014
Report Date: June 25, 2014
Page: 1 of 4

CERTIFICATE OF ANALYSIS

SMI14000322.1

CLIENT JOB INFORMATION

Project: North_Rok
Shipment ID: 14-8
P.O. Number
Number of Samples: 65

SAMPLE DISPOSAL

RTRN-PLP Return
STOR-RJT Store After 90 days Invoice for Storage

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

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

CC: Gilles Dessureau
Allan Jacobs

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	62	Crush, split and pulverize 250 g rock to 200 mesh			SMI
FA430	65	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
AQ200	65	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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

CERTIFICATE OF ANALYSIS

SMI14000322.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1627573	Drill Core	5.75	0.024	5.5	91.3	8.0	40	0.1	2.7	30.6	410	5.06	42.0	21.1	1.1	49	<0.1	0.3	0.8	100	1.05
1627574	Drill Core	3.09	0.034	7.5	231.9	4.4	53	0.1	2.1	14.2	523	4.16	23.7	22.3	0.9	74	0.2	0.4	0.3	130	1.30
1627575	Drill Core	2.42	0.032	17.9	210.1	4.1	54	0.1	1.8	14.4	501	4.02	24.7	25.1	1.0	78	0.1	0.4	0.3	125	1.20
1627576	Drill Core	6.16	0.017	1.6	234.0	3.6	54	0.1	1.5	12.5	536	4.23	21.9	13.2	0.8	56	0.1	0.4	0.2	127	1.00
1627577	Drill Core	5.64	0.020	1.7	176.7	3.1	44	<0.1	1.5	9.0	463	3.99	18.0	16.4	0.9	78	<0.1	0.5	0.1	131	1.09
1627578	Drill Core	6.17	0.027	1.7	153.1	6.6	45	<0.1	2.3	18.3	484	4.05	28.7	17.9	1.0	60	0.1	0.4	0.2	119	1.16
1627579	Drill Core	5.69	0.033	1.3	244.2	4.3	49	<0.1	2.4	13.9	405	4.10	22.0	18.6	0.9	60	<0.1	0.5	0.1	125	0.99
1627580	Rock Pulp	0.11	0.335	282.0	2332.8	76.0	430	2.6	12.1	11.0	699	4.15	27.2	242.6	3.0	52	2.6	1.4	1.0	31	0.77
1627581	Drill Core	5.87	0.035	1.9	213.6	7.1	50	0.2	2.2	16.4	359	3.64	22.9	27.1	0.8	73	0.3	0.4	0.4	113	1.06
1627582	Drill Core	5.90	0.021	1.3	119.8	4.4	49	<0.1	1.8	9.4	387	3.67	15.9	19.3	0.6	56	0.2	0.5	0.1	112	1.10
1627583	Drill Core	5.64	0.033	1.6	271.1	8.0	54	0.2	1.7	16.1	380	4.01	20.8	27.9	0.6	91	0.4	0.5	0.3	123	0.94
1627584	Drill Core	6.05	0.026	1.4	157.1	5.3	49	<0.1	1.6	12.8	380	3.71	18.6	14.3	0.6	51	0.2	0.6	0.1	124	0.91
1627585	Drill Core	5.07	0.017	1.1	177.2	4.4	54	<0.1	2.9	13.1	439	4.01	18.2	12.3	0.5	44	0.2	0.5	0.1	125	0.98
1627586	Drill Core	5.68	0.014	1.3	124.9	5.6	45	<0.1	2.5	17.2	380	4.23	28.4	9.2	0.6	106	0.2	0.6	0.2	122	1.03
1627587	Drill Core	5.88	0.016	1.1	77.9	5.1	43	<0.1	2.2	9.8	366	4.15	20.3	7.9	0.6	64	0.2	0.5	0.2	131	1.13
1627588	Drill Core	5.76	0.017	0.9	85.8	4.8	36	<0.1	2.4	11.0	353	4.09	17.4	10.5	0.6	67	0.2	0.5	0.2	135	1.08
1627589	Drill Core	5.30	0.023	1.0	155.6	4.5	41	<0.1	2.6	15.9	373	4.05	19.8	10.1	0.7	49	0.3	0.7	0.2	138	1.02
1627590	Rock	3.11	<0.005	<0.1	0.6	0.1	<1	<0.1	<0.1	1.5	30	0.03	<0.5	<0.5	<0.1	3814	<0.1	<0.1	<0.1	<2	33.72
1627591	Drill Core	5.44	0.026	2.7	205.8	4.4	38	<0.1	2.1	13.7	350	3.85	22.4	14.3	0.7	65	0.3	0.7	0.4	115	0.99
1627592	Drill Core	5.67	0.027	1.3	128.4	6.7	37	<0.1	2.1	16.0	328	3.77	17.1	18.3	0.6	45	0.2	0.4	0.6	91	1.43
1627593	Drill Core	5.81	0.019	1.5	123.7	8.0	44	<0.1	2.4	20.1	434	4.23	22.2	19.2	0.7	43	0.2	0.5	0.6	121	1.36
1627594	Drill Core	5.73	0.026	0.9	219.9	4.5	38	<0.1	2.8	18.2	394	4.29	22.0	40.7	0.7	53	0.2	0.7	0.4	148	1.35
1627595	Drill Core	5.30	0.021	1.5	148.4	4.5	44	<0.1	2.3	18.8	466	4.54	21.3	19.3	0.7	46	<0.1	0.6	0.6	127	1.88
1627596	Drill Core	5.66	0.030	1.3	214.6	4.7	64	0.1	2.7	16.9	607	4.45	22.1	24.9	0.7	51	0.3	0.8	0.6	133	1.20
1627597	Drill Core	6.07	0.021	1.5	166.3	6.1	66	0.1	3.4	19.5	604	4.80	24.9	17.5	0.7	63	0.2	0.7	0.7	147	1.38
1627598	Drill Core	5.78	0.025	1.6	184.5	8.7	57	0.1	3.7	20.4	587	5.21	36.4	19.1	0.7	90	0.7	0.9	0.9	150	1.34
1627599	Drill Core	5.53	0.019	1.0	130.4	4.4	54	<0.1	2.6	16.4	529	4.32	26.4	14.7	0.5	70	<0.1	0.9	0.5	131	1.66
1627600	Rock Pulp	0.12	0.530	17.6	3732.1	103.7	939	4.6	15.6	12.9	742	4.87	26.5	977.7	3.0	60	4.8	0.9	1.3	30	0.86
1627601	Drill Core	6.16	0.015	1.0	169.0	7.0	56	<0.1	1.6	16.1	498	4.17	24.1	8.2	0.5	62	0.3	0.6	0.3	126	1.34
1627602	Drill Core	5.36	0.014	0.9	75.5	2.8	53	<0.1	2.3	5.9	495	3.33	18.5	7.9	0.6	81	0.1	0.6	<0.1	126	1.62



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Project: North_Rok
 Report Date: June 25, 2014

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CERTIFICATE OF ANALYSIS

SMI14000322.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1627573	Drill Core	0.130	2	6	1.47	36	0.155	31	1.87	0.089	0.15	0.4	0.04	7.2	<0.1	4.07	6	9.5	0.4
1627574	Drill Core	0.142	3	3	1.86	35	0.194	31	2.35	0.103	0.13	0.4	0.02	9.6	<0.1	1.16	8	4.5	<0.2
1627575	Drill Core	0.134	3	2	1.79	31	0.187	27	2.26	0.093	0.11	0.3	0.01	9.3	<0.1	1.09	8	5.3	<0.2
1627576	Drill Core	0.149	3	1	1.79	37	0.182	27	2.24	0.112	0.12	0.3	<0.01	7.4	<0.1	1.15	7	5.2	<0.2
1627577	Drill Core	0.141	3	2	1.47	42	0.158	34	1.89	0.111	0.14	0.2	<0.01	5.3	<0.1	0.60	7	1.9	<0.2
1627578	Drill Core	0.142	3	2	1.67	29	0.171	29	2.06	0.129	0.12	0.3	0.03	6.1	<0.1	1.31	7	2.8	<0.2
1627579	Drill Core	0.125	4	4	1.44	41	0.175	<20	1.80	0.082	0.11	0.3	<0.01	5.7	<0.1	0.72	6	0.5	<0.2
1627580	Rock Pulp	0.067	4	19	0.55	59	0.037	<20	1.50	0.049	0.28	1.0	0.03	2.3	0.2	2.01	4	3.6	0.7
1627581	Drill Core	0.127	3	3	1.09	40	0.108	<20	1.61	0.131	0.11	0.2	<0.01	4.2	<0.1	1.20	6	2.0	<0.2
1627582	Drill Core	0.125	3	6	1.02	37	0.095	<20	1.42	0.088	0.12	0.3	<0.01	3.0	<0.1	0.45	5	<0.5	<0.2
1627583	Drill Core	0.134	3	3	0.97	49	0.103	<20	1.39	0.112	0.13	0.3	0.01	2.9	<0.1	0.88	5	1.5	<0.2
1627584	Drill Core	0.135	3	3	0.97	41	0.110	<20	1.28	0.090	0.14	0.4	<0.01	2.4	<0.1	0.41	6	<0.5	<0.2
1627585	Drill Core	0.124	2	18	1.36	30	0.113	<20	1.65	0.069	0.11	0.2	<0.01	3.9	<0.1	0.71	7	0.9	<0.2
1627586	Drill Core	0.131	2	7	1.26	27	0.158	<20	1.65	0.119	0.10	0.2	<0.01	4.5	<0.1	1.09	6	1.3	<0.2
1627587	Drill Core	0.133	2	4	1.06	35	0.126	<20	1.52	0.121	0.13	0.3	<0.01	3.6	<0.1	0.92	6	1.0	<0.2
1627588	Drill Core	0.131	2	3	1.08	41	0.146	<20	1.52	0.115	0.13	0.2	<0.01	2.9	<0.1	0.69	6	1.1	<0.2
1627589	Drill Core	0.126	3	3	0.98	41	0.141	<20	1.39	0.082	0.13	0.3	0.02	3.0	<0.1	1.01	6	0.8	<0.2
1627590	Rock	0.004	<1	<1	1.76	6	0.001	<20	0.03	0.005	<0.01	<0.1	<0.01	0.1	<0.1	0.08	<1	<0.5	0.4
1627591	Drill Core	0.144	3	2	1.10	46	0.140	<20	1.47	0.101	0.12	0.2	0.01	3.2	<0.1	1.69	6	1.2	<0.2
1627592	Drill Core	0.126	3	2	1.09	31	0.101	<20	1.62	0.062	0.11	0.2	<0.01	3.4	<0.1	2.95	6	1.5	<0.2
1627593	Drill Core	0.144	4	5	1.59	28	0.144	<20	1.90	0.067	0.10	0.3	<0.01	5.5	<0.1	2.59	8	1.7	<0.2
1627594	Drill Core	0.139	4	13	1.54	30	0.192	<20	2.06	0.084	0.10	0.3	<0.01	6.7	<0.1	1.58	8	1.5	<0.2
1627595	Drill Core	0.138	3	4	1.67	17	0.168	<20	2.55	0.046	0.08	0.4	0.01	8.0	<0.1	2.52	9	3.1	<0.2
1627596	Drill Core	0.139	3	6	1.91	29	0.174	<20	2.22	0.102	0.09	0.3	0.02	8.6	<0.1	1.84	8	1.9	<0.2
1627597	Drill Core	0.146	3	4	1.99	28	0.188	<20	2.45	0.080	0.09	0.3	0.03	9.1	<0.1	1.84	9	1.9	0.2
1627598	Drill Core	0.140	3	4	2.12	39	0.214	<20	2.58	0.149	0.11	0.4	0.04	10.4	<0.1	2.97	9	2.1	0.5
1627599	Drill Core	0.160	3	<1	1.61	23	0.147	<20	2.24	0.065	0.09	0.3	0.02	7.5	<0.1	1.53	9	2.0	<0.2
1627600	Rock Pulp	0.067	4	25	0.55	70	0.029	<20	1.56	0.055	0.34	1.2	0.05	2.5	0.3	3.34	4	3.7	0.7
1627601	Drill Core	0.168	3	2	1.37	43	0.133	<20	1.86	0.092	0.13	0.3	<0.01	5.8	<0.1	1.45	7	<0.5	<0.2
1627602	Drill Core	0.173	3	3	1.61	27	0.129	<20	2.19	0.071	0.09	0.2	<0.01	6.5	<0.1	0.31	8	<0.5	<0.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

CERTIFICATE OF ANALYSIS

SMI14000322.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1627603	Drill Core	6.21	0.016	2.6	329.2	7.8	55	0.1	3.1	15.0	570	3.83	28.8	7.7	0.5	134	<0.1	1.3	0.4	87	1.89
1627604	Drill Core	6.26	0.011	3.6	246.0	12.7	42	0.1	1.4	18.7	398	2.18	25.7	3.5	0.5	44	0.9	0.7	0.3	62	1.40
1627605	Drill Core	6.19	0.013	3.8	298.7	6.7	40	0.1	2.7	15.2	434	3.19	31.7	7.4	0.6	44	0.2	0.7	0.6	77	1.32
1627606	Drill Core	6.24	0.009	0.8	34.0	2.2	44	<0.1	0.7	3.7	393	3.26	19.6	2.9	0.5	61	0.2	0.6	<0.1	122	1.18
1627607	Drill Core	5.65	0.013	1.1	88.8	5.8	67	<0.1	1.4	11.3	574	3.58	21.8	5.2	0.5	81	0.3	0.9	0.1	114	1.54
1627608	Drill Core	6.03	0.008	0.9	68.9	4.4	60	<0.1	1.6	8.3	502	3.68	20.1	3.5	0.5	55	0.2	0.7	<0.1	117	1.66
1627609	Drill Core	5.52	0.011	0.7	190.8	4.9	75	0.2	2.0	14.3	588	4.00	25.2	5.7	0.4	85	0.1	0.7	0.3	110	1.68
1627610	Drill Core	5.75	0.011	1.4	173.0	4.4	55	0.1	1.7	17.1	496	3.71	25.3	5.8	0.4	65	0.1	0.7	0.4	92	1.30
1627611	Drill Core	5.71	0.009	1.2	109.2	3.8	55	<0.1	1.2	13.1	482	3.57	24.3	3.4	0.4	69	<0.1	0.7	0.2	102	2.49
1627612	Drill Core	5.33	0.013	1.1	121.1	3.1	74	<0.1	1.9	15.1	595	4.01	22.2	3.7	0.4	72	<0.1	0.7	0.1	115	1.52
1627613	Drill Core	6.38	0.017	1.1	108.5	4.6	61	<0.1	1.7	12.8	510	3.52	21.3	4.0	0.4	71	0.2	0.6	0.2	98	1.16
1627614	Drill Core	5.80	0.013	1.1	123.2	3.8	75	<0.1	2.0	12.3	577	3.98	25.5	9.7	0.4	82	0.2	0.7	0.3	95	1.29
1627615	Drill Core	5.07	0.042	1.4	127.3	6.8	93	0.1	2.4	12.6	661	4.18	29.9	31.7	0.5	106	0.1	0.7	0.3	82	1.33
1627616	Drill Core	5.38	0.025	1.6	216.1	13.5	107	0.2	2.3	25.1	811	4.77	30.2	12.1	0.5	70	0.4	0.7	0.6	102	1.24
1627617	Drill Core	5.29	0.019	1.1	282.2	7.0	87	0.2	2.6	25.2	876	4.89	27.9	12.6	0.5	72	0.1	0.4	0.7	118	1.40
1627618	Drill Core	5.44	0.018	1.5	219.0	4.1	89	0.1	1.9	18.4	767	3.88	24.2	9.5	0.5	124	0.2	0.9	0.4	91	1.67
1627619	Drill Core	5.71	0.011	1.3	105.1	2.5	92	<0.1	1.9	10.3	778	3.49	18.0	3.1	0.6	140	<0.1	0.8	<0.1	87	1.30
1627620	Rock Pulp	0.12	0.504	16.4	3791.7	104.2	948	4.5	15.6	12.7	751	4.65	29.8	553.9	2.3	59	5.7	0.9	1.4	28	0.83
1627621	Drill Core	5.12	0.014	1.6	66.0	2.2	89	<0.1	2.2	11.3	775	3.58	20.1	5.0	0.6	135	<0.1	0.7	0.1	101	1.39
1627622	Drill Core	5.30	0.005	0.7	32.1	1.6	103	<0.1	7.9	7.2	853	3.80	18.6	<0.5	0.4	186	<0.1	1.1	<0.1	95	1.51
1627623	Drill Core	5.08	0.007	0.6	82.6	1.6	89	<0.1	6.9	10.1	684	3.23	20.4	<0.5	0.4	120	<0.1	0.8	0.1	83	1.29
1627624	Drill Core	2.47	0.030	3.7	402.2	5.8	94	0.2	4.5	28.5	770	5.46	27.5	20.5	0.5	85	<0.1	0.8	0.5	110	2.14
1627625	Drill Core	2.03	0.033	3.2	482.1	6.3	94	0.3	4.2	29.4	758	5.38	31.0	20.1	0.5	76	0.2	0.7	0.5	115	2.13
1627626	Drill Core	5.28	0.011	1.0	103.4	1.6	67	<0.1	2.3	11.4	681	3.46	10.0	5.7	0.8	83	<0.1	0.7	<0.1	110	1.53
1627627	Drill Core	6.02	0.011	2.1	109.6	1.5	66	<0.1	2.7	11.3	672	3.43	9.1	16.8	0.9	63	<0.1	0.6	<0.1	122	1.46
1627628	Drill Core	4.52	0.016	1.3	165.5	2.2	95	<0.1	4.2	16.8	883	4.19	11.1	6.7	0.9	58	0.2	0.5	<0.1	140	1.42
1627629	Drill Core	5.70	0.018	7.6	191.5	2.9	95	0.1	3.8	16.9	881	4.25	12.4	12.6	1.0	64	0.2	0.3	<0.1	139	1.23
1627630	Drill Core	6.14	0.021	2.1	181.9	2.2	68	<0.1	3.5	15.6	762	4.20	9.5	10.4	0.9	67	<0.1	0.4	<0.1	136	1.18
1627631	Drill Core	5.66	0.013	3.7	179.2	1.2	78	<0.1	3.1	13.8	748	3.99	9.9	3.7	0.8	82	0.2	0.5	<0.1	120	1.24
1627632	Drill Core	6.13	0.014	1.9	158.0	2.5	85	0.1	3.0	14.5	734	3.37	8.4	4.5	0.7	74	<0.1	0.4	<0.1	93	1.29



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 Report Date: June 25, 2014

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CERTIFICATE OF ANALYSIS

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Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1627603	Drill Core	0.164	3	3	1.35	18	0.121	<20	2.00	0.063	0.07	0.4	<0.01	5.8	<0.1	2.11	7	1.1	<0.2
1627604	Drill Core	0.168	3	1	1.06	17	0.101	<20	1.42	0.108	0.09	0.3	<0.01	3.5	<0.1	1.44	4	0.7	<0.2
1627605	Drill Core	0.165	3	2	1.08	19	0.108	<20	1.50	0.119	0.11	0.3	0.01	4.8	<0.1	1.99	5	2.1	<0.2
1627606	Drill Core	0.161	4	2	1.01	27	0.097	<20	1.52	0.101	0.08	0.2	<0.01	3.0	<0.1	0.11	5	<0.5	<0.2
1627607	Drill Core	0.162	3	2	1.51	28	0.129	<20	2.04	0.072	0.09	0.5	<0.01	5.8	<0.1	0.30	8	<0.5	<0.2
1627608	Drill Core	0.161	3	2	1.44	33	0.118	<20	1.88	0.069	0.10	0.4	<0.01	4.9	<0.1	0.28	7	<0.5	<0.2
1627609	Drill Core	0.176	3	3	1.65	28	0.104	<20	2.39	0.063	0.09	0.4	<0.01	7.2	<0.1	1.19	8	3.0	<0.2
1627610	Drill Core	0.157	3	2	1.23	31	0.089	<20	1.74	0.057	0.09	0.4	<0.01	5.0	<0.1	1.39	6	<0.5	<0.2
1627611	Drill Core	0.156	3	2	1.11	38	0.098	<20	1.84	0.087	0.10	0.2	<0.01	4.5	<0.1	0.68	6	<0.5	<0.2
1627612	Drill Core	0.169	3	6	1.53	31	0.118	<20	2.24	0.058	0.09	0.5	<0.01	6.2	<0.1	0.52	8	<0.5	<0.2
1627613	Drill Core	0.156	3	3	1.43	30	0.094	<20	1.89	0.071	0.08	0.3	<0.01	4.7	<0.1	0.60	6	<0.5	<0.2
1627614	Drill Core	0.164	3	2	1.45	31	0.091	<20	1.98	0.076	0.07	0.3	<0.01	5.2	<0.1	1.01	7	<0.5	<0.2
1627615	Drill Core	0.161	2	2	1.53	31	0.098	<20	2.13	0.050	0.07	0.3	<0.01	5.5	<0.1	1.21	7	0.6	<0.2
1627616	Drill Core	0.162	2	2	1.82	48	0.092	<20	2.14	0.086	0.09	0.4	0.02	7.0	<0.1	1.99	8	1.6	<0.2
1627617	Drill Core	0.147	3	4	2.63	51	0.087	<20	2.76	0.062	0.07	0.3	<0.01	9.1	<0.1	1.90	10	1.4	<0.2
1627618	Drill Core	0.157	2	4	2.18	51	0.106	<20	2.87	0.036	0.05	0.5	0.01	7.7	<0.1	1.20	8	0.7	<0.2
1627619	Drill Core	0.149	3	3	1.99	51	0.132	<20	2.56	0.036	0.05	0.7	<0.01	7.0	<0.1	0.16	8	<0.5	<0.2
1627620	Rock Pulp	0.065	4	25	0.55	71	0.028	<20	1.59	0.058	0.33	1.8	0.06	2.7	0.3	3.26	4	5.0	0.8
1627621	Drill Core	0.155	2	2	2.20	38	0.137	<20	2.66	0.032	0.04	0.7	<0.01	8.0	<0.1	0.36	9	<0.5	<0.2
1627622	Drill Core	0.155	3	18	2.40	31	0.141	<20	2.90	0.042	0.05	0.7	<0.01	7.9	<0.1	0.09	8	<0.5	<0.2
1627623	Drill Core	0.158	3	9	2.05	21	0.111	<20	2.46	0.045	0.05	0.4	0.01	6.8	<0.1	0.33	7	<0.5	<0.2
1627624	Drill Core	0.132	3	3	2.44	35	0.117	<20	3.44	0.039	0.05	0.7	0.02	9.0	<0.1	2.81	10	2.5	<0.2
1627625	Drill Core	0.128	2	3	2.43	40	0.117	<20	3.45	0.038	0.06	0.8	0.04	8.8	<0.1	2.72	10	2.9	0.2
1627626	Drill Core	0.123	3	<1	1.97	35	0.118	<20	2.62	0.055	0.08	0.6	<0.01	8.1	<0.1	<0.05	8	<0.5	<0.2
1627627	Drill Core	0.119	3	2	1.96	31	0.143	<20	2.54	0.057	0.09	0.5	<0.01	7.4	<0.1	<0.05	8	<0.5	<0.2
1627628	Drill Core	0.122	3	3	2.67	29	0.180	<20	3.06	0.074	0.11	0.4	<0.01	9.5	<0.1	0.05	9	<0.5	<0.2
1627629	Drill Core	0.116	3	3	2.93	33	0.187	<20	3.06	0.086	0.11	0.3	<0.01	9.7	<0.1	0.35	9	<0.5	<0.2
1627630	Drill Core	0.118	3	3	2.66	34	0.178	<20	2.86	0.107	0.10	0.2	<0.01	8.2	<0.1	0.08	9	<0.5	<0.2
1627631	Drill Core	0.122	3	3	2.43	34	0.146	<20	2.98	0.109	0.11	0.4	0.01	6.5	<0.1	0.10	8	<0.5	<0.2
1627632	Drill Core	0.116	3	2	2.34	22	0.121	<20	2.74	0.049	0.08	0.4	<0.01	6.5	<0.1	0.29	8	<0.5	<0.2



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Project: North_Rok
 Report Date: June 25, 2014

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

SMI14000322.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1627633	Drill Core	5.62	0.038	11.7	257.1	3.6	68	0.2	3.1	15.3	574	3.29	11.9	18.3	0.9	84	<0.1	0.7	0.2	90	1.42
1627634	Drill Core	4.76	0.068	24.0	291.0	2.8	100	0.2	2.0	13.4	775	4.50	20.8	47.2	0.8	56	0.2	0.7	0.3	111	1.00
1627635	Drill Core	5.60	0.040	49.7	443.6	23.5	141	0.5	1.7	17.0	989	5.31	38.4	26.4	0.9	66	0.6	0.7	1.0	111	1.17
1627636	Drill Core	5.69	0.029	16.2	177.3	6.4	101	0.2	1.5	6.4	690	3.79	21.8	20.3	0.7	82	0.1	0.5	0.3	102	0.89
1627637	Drill Core	5.88	0.041	8.4	296.9	7.4	111	0.2	2.1	14.1	792	4.04	20.7	45.0	0.8	98	0.5	0.5	0.3	120	0.94



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CERTIFICATE OF ANALYSIS

SMI14000322.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1627633	Drill Core	0.134	3	3	1.43	24	0.108	<20	2.13	0.058	0.08	0.4	<0.01	5.2	<0.1	0.58	7	<0.5	<0.2
1627634	Drill Core	0.145	3	2	2.37	24	0.113	<20	2.31	0.051	0.07	0.5	<0.01	8.7	<0.1	0.74	9	0.8	<0.2
1627635	Drill Core	0.136	4	3	2.17	29	0.104	<20	2.45	0.056	0.08	0.6	0.02	9.4	<0.1	2.13	9	1.4	0.4
1627636	Drill Core	0.118	3	2	1.56	27	0.093	<20	1.93	0.066	0.08	0.4	0.01	6.5	<0.1	0.57	7	<0.5	<0.2
1627637	Drill Core	0.131	3	3	2.19	35	0.117	<20	2.20	0.065	0.09	0.4	<0.01	8.8	<0.1	0.77	8	<0.5	<0.2

QUALITY CONTROL REPORT

SMI14000322.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
1627605	Drill Core	6.19	0.013	3.8	298.7	6.7	40	0.1	2.7	15.2	434	3.19	31.7	7.4	0.6	44	0.2	0.7	0.6	77	1.32
REP 1627605	QC			3.7	301.0	6.6	39	0.2	3.1	15.5	437	3.22	32.7	9.6	0.5	43	<0.1	0.7	0.6	79	1.33
1627614	Drill Core	5.80	0.013	1.1	123.2	3.8	75	<0.1	2.0	12.3	577	3.98	25.5	9.7	0.4	82	0.2	0.7	0.3	95	1.29
REP 1627614	QC		0.014																		
1627615	Drill Core	5.07	0.042	1.4	127.3	6.8	93	0.1	2.4	12.6	661	4.18	29.9	31.7	0.5	106	0.1	0.7	0.3	82	1.33
REP 1627615	QC		0.025																		
1627637	Drill Core	5.88	0.041	8.4	296.9	7.4	111	0.2	2.1	14.1	792	4.04	20.7	45.0	0.8	98	0.5	0.5	0.3	120	0.94
REP 1627637	QC			9.1	301.6	7.7	112	0.2	2.1	14.7	793	4.05	20.8	89.2	0.9	98	0.3	0.4	0.3	120	0.94
Core Reject Duplicates																					
1627592	Drill Core	5.67	0.027	1.3	128.4	6.7	37	<0.1	2.1	16.0	328	3.77	17.1	18.3	0.6	45	0.2	0.4	0.6	91	1.43
DUP 1627592	QC		0.022	1.4	131.1	7.1	34	0.1	2.5	17.4	322	3.95	17.6	19.8	0.6	44	0.2	0.5	0.6	86	1.45
1627630	Drill Core	6.14	0.021	2.1	181.9	2.2	68	<0.1	3.5	15.6	762	4.20	9.5	10.4	0.9	67	<0.1	0.4	<0.1	136	1.18
DUP 1627630	QC		0.027	2.2	181.5	2.0	69	<0.1	3.3	14.5	758	4.15	10.4	11.1	0.9	66	<0.1	0.3	<0.1	137	1.17
Reference Materials																					
STD DS10	Standard			12.6	143.9	141.8	334	1.7	69.3	12.6	802	2.51	44.1	43.4	6.7	61	2.1	7.9	12.0	43	0.97
STD DS10	Standard			13.5	151.3	149.9	361	1.7	74.2	12.6	855	2.65	45.0	50.9	6.9	65	2.8	8.3	13.0	42	1.03
STD DS10	Standard			13.6	154.4	153.4	365	1.7	71.0	12.3	866	2.69	43.4	82.9	6.9	68	2.6	7.8	11.5	43	1.06
STD OREAS45EA	Standard			1.6	668.7	14.5	31	0.2	369.6	51.1	377	23.80	11.2	50.2	10.4	4	<0.1	0.3	0.2	324	0.04
STD OREAS45EA	Standard			1.3	708.6	14.3	32	0.2	382.6	52.1	394	23.24	10.5	49.2	10.3	4	<0.1	0.2	0.3	305	0.05
STD OREAS45EA	Standard			1.6	727.5	13.7	32	0.2	393.8	52.1	421	24.13	10.7	45.1	10.0	4	<0.1	0.3	0.2	304	0.04
STD OXD108	Standard		0.416																		
STD OXD108	Standard		0.417																		
STD OXD108	Standard		0.420																		
STD OXI96	Standard		1.790																		
STD OXI96	Standard		1.788																		
STD OXI96	Standard		1.791																		
STD OXN117	Standard		7.748																		
STD OXN117	Standard		7.518																		

QUALITY CONTROL REPORT

SMI14000322.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
1627605	Drill Core	0.165	3	2	1.08	19	0.108	<20	1.50	0.119	0.11	0.3	0.01	4.8	<0.1	1.99	5	2.1	<0.2
REP 1627605	QC	0.170	3	2	1.09	19	0.108	<20	1.53	0.119	0.11	0.3	<0.01	4.6	<0.1	2.04	5	3.1	<0.2
1627614	Drill Core	0.164	3	2	1.45	31	0.091	<20	1.98	0.076	0.07	0.3	<0.01	5.2	<0.1	1.01	7	<0.5	<0.2
REP 1627614	QC																		
1627615	Drill Core	0.161	2	2	1.53	31	0.098	<20	2.13	0.050	0.07	0.3	<0.01	5.5	<0.1	1.21	7	0.6	<0.2
REP 1627615	QC																		
1627637	Drill Core	0.131	3	3	2.19	35	0.117	<20	2.20	0.065	0.09	0.4	<0.01	8.8	<0.1	0.77	8	<0.5	<0.2
REP 1627637	QC	0.129	3	3	2.22	36	0.118	<20	2.22	0.065	0.09	0.4	<0.01	8.8	<0.1	0.78	8	<0.5	<0.2
Core Reject Duplicates																			
1627592	Drill Core	0.126	3	2	1.09	31	0.101	<20	1.62	0.062	0.11	0.2	<0.01	3.4	<0.1	2.95	6	1.5	<0.2
DUP 1627592	QC	0.123	3	2	1.06	34	0.102	<20	1.68	0.061	0.11	0.3	0.01	3.6	<0.1	3.18	6	2.4	<0.2
1627630	Drill Core	0.118	3	3	2.66	34	0.178	<20	2.86	0.107	0.10	0.2	<0.01	8.2	<0.1	0.08	9	<0.5	<0.2
DUP 1627630	QC	0.120	3	3	2.65	34	0.174	<20	2.83	0.105	0.10	0.2	<0.01	8.0	<0.1	0.07	8	<0.5	<0.2
Reference Materials																			
STD DS10	Standard	0.069	15	50	0.70	370	0.068	<20	0.90	0.059	0.31	2.8	0.28	2.3	4.5	0.28	4	2.4	4.4
STD DS10	Standard	0.075	16	52	0.76	409	0.076	<20	0.99	0.065	0.32	2.8	0.29	2.8	5.1	0.28	4	1.0	5.4
STD DS10	Standard	0.075	16	51	0.76	418	0.077	<20	1.02	0.068	0.33	3.1	0.41	3.1	5.1	0.29	5	2.1	4.6
STD OREAS45EA	Standard	0.027	7	816	0.09	140	0.097	<20	3.02	0.020	0.06	<0.1	0.02	76.5	<0.1	<0.05	12	1.5	<0.2
STD OREAS45EA	Standard	0.027	7	809	0.09	145	0.095	<20	3.15	0.025	0.05	<0.1	<0.01	77.6	<0.1	<0.05	12	<0.5	<0.2
STD OREAS45EA	Standard	0.031	7	885	0.10	143	0.104	<20	3.15	0.025	0.05	<0.1	0.02	82.5	<0.1	<0.05	13	1.7	<0.2
STD OXD108	Standard																		
STD OXD108	Standard																		
STD OXD108	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXN117	Standard																		
STD OXN117	Standard																		

QUALITY CONTROL REPORT

SMI14000322.1

		WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
STD OXN117	Standard	7.592																			
STD OXD108 Expected		0.414																			
STD OXI96 Expected		1.802																			
STD OXN117 Expected		7.679																			
STD DS10 Expected			14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	
STD OREAS45EA Expected			1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036	
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	0.005																			
BLK	Blank	0.006																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	1.2	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.6	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
Prep Wash																					
G1-SMI	Prep Blank	0.026	0.2	12.0	4.6	48	<0.1	2.6	4.2	601	2.06	<0.5	15.0	7.1	72	<0.1	<0.1	<0.1	41	0.59	
G1-SMI	Prep Blank	0.006	<0.1	5.2	3.8	49	<0.1	2.7	4.6	619	2.17	<0.5	1.8	5.8	70	<0.1	<0.1	<0.1	43	0.57	



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QUALITY CONTROL REPORT

SMI14000322.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
STD OXN117	Standard																			
STD OXD108	Expected																			
STD OXI96	Expected																			
STD OXN117	Expected																			
STD DS10	Expected	0.073	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01	
STD OREAS45EA	Expected	0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053			78	0.072	0.036	11.7	0.6	0.07	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																				
G1-SMI	Prep Blank	0.074	18	6	0.53	157	0.146	<20	1.06	0.119	0.51	0.3	<0.01	2.8	0.3	<0.05	5	<0.5	<0.2	
G1-SMI	Prep Blank	0.073	14	6	0.53	167	0.147	<20	1.10	0.119	0.56	<0.1	<0.01	2.9	0.3	<0.05	5	<0.5	<0.2	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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

Submitted By: Greg Dawson
Receiving Lab: Canada-Smithers
Received: June 16, 2014
Report Date: June 25, 2014
Page: 1 of 5

CERTIFICATE OF ANALYSIS

SMI14000323.1

CLIENT JOB INFORMATION

Project: North_Rok
Shipment ID: 14-9
P.O. Number
Number of Samples: 96

SAMPLE DISPOSAL

RTRN-PLP Return
STOR-RJT Store After 90 days Invoice for Storage

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

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

CC: Gilles Dessureau
Allan Jacobs

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	90	Crush, split and pulverize 250 g rock to 200 mesh			SMI
FA430	96	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
AQ200	96	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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

CERTIFICATE OF ANALYSIS

SMI14000323.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1627638	Drill Core	5.46	0.260	5.9	442.2	5.6	83	0.2	1.7	6.8	640	4.23	8.7	247.2	0.4	86	0.3	0.5	<0.1	100	1.37
1627639	Drill Core	5.30	0.141	18.5	681.3	18.5	64	0.5	1.3	6.5	638	2.32	9.9	88.5	0.4	111	0.3	0.6	0.1	32	1.74
1627640	Rock Pulp	0.12	0.322	278.8	2522.1	75.9	416	2.5	13.0	10.8	743	4.32	24.4	201.3	3.0	50	2.3	1.4	1.0	31	0.82
1627641	Drill Core	5.79	0.175	16.9	354.8	6.2	66	0.3	1.6	6.8	634	2.75	6.4	104.3	0.7	150	0.6	0.9	<0.1	35	1.46
1627642	Drill Core	5.57	0.357	15.3	628.3	11.5	123	0.4	1.6	5.9	794	2.73	12.9	290.6	0.5	89	0.7	0.9	0.1	36	1.59
1627643	Drill Core	6.53	0.135	21.3	613.7	2.5	85	0.5	2.3	10.1	800	3.96	13.2	359.3	0.4	182	0.1	1.0	0.1	54	1.24
1627644	Drill Core	6.31	0.097	3.4	319.2	2.2	99	0.2	3.5	11.3	844	3.44	12.7	110.1	0.6	124	<0.1	0.7	<0.1	79	1.47
1627645	Drill Core	7.31	0.014	2.0	87.4	1.9	81	<0.1	2.9	8.9	761	3.51	10.1	6.9	0.8	55	<0.1	0.5	<0.1	119	1.16
1627646	Drill Core	6.84	0.012	1.7	76.0	2.2	77	<0.1	2.4	12.1	792	4.22	12.1	9.2	0.8	51	<0.1	0.3	<0.1	139	1.33
1627647	Drill Core	7.07	0.012	1.4	113.6	3.0	88	<0.1	3.6	14.5	855	4.38	11.4	6.4	0.9	51	<0.1	0.3	<0.1	145	1.17
1627648	Drill Core	6.42	0.037	10.6	214.2	5.0	102	0.2	2.2	8.8	737	6.02	19.9	27.8	0.7	46	0.3	0.4	0.2	187	1.04
1627649	Drill Core	8.11	0.058	28.7	484.7	8.8	161	0.5	3.1	10.8	888	5.23	11.3	49.9	0.4	57	0.9	0.4	0.4	135	0.75
1627650	Rock	3.42	<0.005	<0.1	0.5	0.1	<1	<0.1	1.4	0.2	28	0.04	<0.5	3.3	<0.1	3817	<0.1	<0.1	<0.1	<2	33.81
1627651	Drill Core	5.30	0.127	59.2	1057.8	17.1	171	1.6	3.7	15.4	1085	6.61	44.4	97.5	0.7	41	0.6	0.4	0.9	96	0.67
1627652	Drill Core	6.27	0.059	19.5	806.1	7.0	103	0.8	3.4	13.0	749	4.57	7.0	49.0	0.6	66	0.2	0.3	0.2	84	0.87
1627653	Drill Core	6.78	0.026	26.5	424.1	8.9	92	0.5	1.7	9.5	692	2.69	11.4	24.2	0.7	68	0.3	0.3	0.1	67	1.05
1627654	Drill Core	6.85	0.021	6.2	207.2	5.9	101	0.2	1.6	7.8	811	2.96	13.3	31.6	1.0	59	0.5	0.4	<0.1	94	1.03
1627655	Drill Core	6.23	0.038	10.9	405.9	5.8	123	0.4	2.4	10.7	955	3.32	16.0	17.9	1.6	46	0.3	0.7	<0.1	98	0.90
1627656	Drill Core	6.91	0.056	8.4	269.9	11.8	145	0.5	2.4	10.3	1009	4.21	32.7	49.6	1.0	64	0.8	0.7	0.3	92	1.34
1627657	Drill Core	6.55	0.051	12.1	465.2	7.4	102	0.3	3.7	11.4	893	3.86	13.8	39.4	1.0	55	0.2	0.6	<0.1	128	1.23
1627658	Drill Core	7.31	0.066	13.7	363.5	3.6	87	0.3	3.6	13.8	761	3.48	9.2	32.1	0.9	80	0.1	0.8	<0.1	107	1.38
1627659	Drill Core	7.63	0.024	5.5	203.4	3.3	91	0.2	3.2	10.8	766	3.42	9.2	16.4	0.8	76	<0.1	0.6	<0.1	113	1.31
1627660	Rock Pulp	0.08	0.299	282.0	2589.2	82.3	455	2.8	13.5	11.1	760	4.46	27.4	219.0	3.5	55	2.1	1.4	1.0	32	0.84
1627661	Drill Core	8.90	0.035	3.8	260.1	5.1	117	0.4	3.4	16.4	957	4.51	13.6	27.7	0.9	56	0.3	0.3	<0.1	145	1.55
1627662	Drill Core	7.70	0.047	4.5	194.1	4.5	112	0.2	2.8	13.9	902	3.74	9.0	38.9	0.7	55	0.1	0.3	<0.1	116	1.51
1627663	Drill Core	8.23	0.026	2.9	133.6	7.4	94	0.1	3.1	13.1	1129	4.49	11.1	26.4	0.8	226	0.3	0.2	<0.1	163	1.22
1627664	Drill Core	7.21	0.041	4.8	242.2	16.8	147	0.4	3.4	14.9	802	4.27	16.4	36.6	0.6	243	1.0	0.5	0.2	155	1.26
1627665	Drill Core	6.40	0.050	4.7	204.0	3.3	75	0.2	2.3	9.6	582	3.60	14.0	36.6	0.7	72	<0.1	0.5	<0.1	131	1.17
1627666	Drill Core	6.21	0.041	4.8	225.9	5.4	87	0.2	2.3	11.3	497	3.79	10.9	42.8	0.8	86	0.6	0.3	0.1	125	1.15
1627667	Drill Core	5.82	0.032	5.5	182.5	2.9	59	0.2	2.1	10.0	534	3.72	11.0	26.6	0.8	86	0.1	0.4	<0.1	119	1.21

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Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
1627638	Drill Core	0.063	2	3	1.16	11	0.089	<20	1.61	0.061	0.05	0.3	<0.01	3.3	<0.1	0.16	6	<0.5	<0.2
1627639	Drill Core	0.091	3	3	0.81	6	0.078	<20	1.29	0.061	0.03	0.7	0.01	3.1	<0.1	0.16	4	0.8	<0.2
1627640	Rock Pulp	0.068	4	20	0.58	58	0.034	<20	1.61	0.053	0.28	1.1	0.06	2.2	0.2	2.17	4	4.0	0.8
1627641	Drill Core	0.036	3	3	0.77	10	0.087	<20	1.27	0.057	0.05	0.3	<0.01	2.7	<0.1	0.18	4	<0.5	<0.2
1627642	Drill Core	0.097	3	2	1.43	14	0.074	<20	1.66	0.049	0.04	0.3	0.01	3.7	<0.1	0.34	5	0.9	<0.2
1627643	Drill Core	0.110	2	2	1.43	5	0.073	<20	1.74	0.038	0.02	0.5	0.02	3.1	<0.1	0.54	5	0.8	<0.2
1627644	Drill Core	0.133	2	3	2.43	15	0.118	<20	2.81	0.035	0.05	0.5	<0.01	4.9	<0.1	0.29	7	<0.5	<0.2
1627645	Drill Core	0.112	3	3	2.49	26	0.134	<20	2.72	0.056	0.11	0.4	0.01	7.7	<0.1	0.07	8	<0.5	<0.2
1627646	Drill Core	0.111	3	2	2.52	36	0.154	<20	2.92	0.112	0.13	0.3	<0.01	9.3	<0.1	0.18	9	<0.5	<0.2
1627647	Drill Core	0.125	3	3	2.96	29	0.168	<20	3.12	0.138	0.13	0.3	0.01	9.4	<0.1	0.23	9	<0.5	<0.2
1627648	Drill Core	0.153	4	2	1.53	20	0.084	<20	1.68	0.072	0.09	0.3	0.03	3.5	<0.1	0.55	7	0.7	<0.2
1627649	Drill Core	0.033	2	4	1.76	20	0.111	<20	1.76	0.102	0.08	0.4	0.01	5.4	<0.1	0.93	7	1.8	<0.2
1627650	Rock	0.003	<1	<1	1.92	4	<0.001	<20	0.02	0.004	<0.01	<0.1	<0.01	0.3	<0.1	0.07	<1	<0.5	0.4
1627651	Drill Core	0.037	2	3	2.10	21	0.115	<20	2.02	0.071	0.10	0.6	0.04	8.2	<0.1	4.13	7	3.5	0.4
1627652	Drill Core	0.027	2	4	1.38	13	0.101	<20	1.42	0.104	0.06	0.4	0.01	3.5	<0.1	0.39	6	1.7	<0.2
1627653	Drill Core	0.106	3	3	1.08	18	0.102	<20	1.40	0.082	0.07	0.4	0.02	3.4	<0.1	0.40	5	0.9	<0.2
1627654	Drill Core	0.130	4	3	1.02	31	0.119	<20	1.45	0.106	0.11	0.4	<0.01	4.0	<0.1	0.28	5	<0.5	<0.2
1627655	Drill Core	0.104	3	3	1.30	24	0.137	<20	1.67	0.086	0.11	0.5	0.01	5.5	<0.1	0.47	6	1.1	<0.2
1627656	Drill Core	0.113	4	3	1.08	43	0.106	<20	2.00	0.136	0.16	0.5	0.03	4.8	<0.1	1.78	6	1.8	0.5
1627657	Drill Core	0.114	3	3	1.61	27	0.133	<20	2.24	0.080	0.10	0.4	<0.01	6.6	<0.1	0.44	7	0.9	<0.2
1627658	Drill Core	0.108	3	5	1.55	28	0.145	<20	2.36	0.071	0.10	0.4	0.02	4.7	<0.1	0.24	7	<0.5	<0.2
1627659	Drill Core	0.108	3	5	1.50	40	0.159	<20	2.26	0.093	0.12	0.3	<0.01	4.1	<0.1	0.07	6	<0.5	<0.2
1627660	Rock Pulp	0.070	4	20	0.60	63	0.039	<20	1.67	0.056	0.30	1.0	0.08	2.2	0.3	2.23	5	3.8	0.7
1627661	Drill Core	0.113	3	2	2.51	29	0.171	<20	3.19	0.089	0.10	0.2	0.01	8.8	<0.1	0.64	9	0.9	<0.2
1627662	Drill Core	0.095	2	2	2.55	17	0.117	<20	3.10	0.060	0.09	0.2	<0.01	7.9	<0.1	0.34	8	0.8	<0.2
1627663	Drill Core	0.118	3	3	3.18	38	0.200	<20	3.29	0.133	0.14	0.3	0.01	10.8	<0.1	0.13	9	<0.5	<0.2
1627664	Drill Core	0.114	3	3	1.80	37	0.129	<20	2.47	0.148	0.11	0.3	<0.01	5.6	<0.1	0.38	7	0.5	<0.2
1627665	Drill Core	0.120	3	2	0.97	30	0.100	<20	1.65	0.104	0.10	0.3	<0.01	2.7	<0.1	0.15	6	<0.5	<0.2
1627666	Drill Core	0.122	3	4	0.83	35	0.098	<20	1.57	0.128	0.11	0.3	<0.01	2.0	0.1	0.21	5	<0.5	<0.2
1627667	Drill Core	0.122	4	3	1.06	34	0.105	<20	1.80	0.100	0.11	0.3	<0.01	3.1	<0.1	0.14	6	<0.5	<0.2

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Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1627668	Drill Core	5.94	0.021	5.0	175.5	4.6	61	0.1	2.4	11.8	521	3.71	12.0	13.6	0.7	92	<0.1	0.6	<0.1	116	1.20
1627669	Drill Core	5.59	0.043	5.4	269.2	4.6	68	0.2	2.8	12.5	554	3.86	13.0	39.9	0.8	70	0.1	0.4	<0.1	129	1.25
1627670	Drill Core	5.62	0.048	7.0	273.9	2.3	70	0.1	2.3	13.5	633	4.06	9.0	29.8	0.7	135	<0.1	0.5	<0.1	147	1.40
1627671	Drill Core	5.62	0.039	4.3	186.6	2.2	74	0.1	2.3	9.2	720	4.22	12.1	54.3	0.8	134	<0.1	0.5	0.1	146	1.65
1627672	Drill Core	4.08	0.021	5.9	241.8	10.2	120	0.2	2.8	10.6	886	3.19	14.5	14.4	0.9	110	<0.1	0.8	0.1	111	2.06
1627673	Drill Core	5.68	0.031	9.8	534.7	22.6	152	0.5	2.2	8.0	791	3.75	20.9	27.7	0.7	179	2.5	0.5	0.3	90	1.43
1627674	Drill Core	2.56	0.122	13.2	403.3	9.6	102	0.5	1.8	4.5	598	2.30	11.9	135.0	0.6	139	0.6	0.5	0.1	70	0.96
1627675	Drill Core	2.81	0.075	11.3	266.9	6.1	102	0.3	1.8	4.0	611	2.21	12.1	71.6	0.6	102	0.7	0.5	<0.1	70	0.92
1627676	Drill Core	6.21	0.044	11.5	254.8	14.2	118	0.4	1.7	6.1	622	2.31	12.8	46.7	0.6	114	1.2	0.6	0.2	59	1.51
1627677	Drill Core	5.92	0.054	14.5	568.5	13.8	121	0.6	1.6	7.5	673	3.43	18.6	45.4	0.7	79	0.6	0.6	0.4	60	1.19
1627678	Drill Core	6.33	0.209	16.8	1097.3	10.4	95	2.1	2.2	8.1	745	5.09	19.0	179.9	0.6	102	0.4	0.5	0.5	70	1.95
1627679	Drill Core	6.19	0.056	11.0	248.7	7.7	96	0.3	1.2	4.2	773	3.20	22.3	58.7	0.7	91	0.1	0.5	0.2	94	1.72
1627680	Rock Pulp	0.10	0.331	279.0	2601.3	81.9	435	3.2	12.9	11.1	763	4.46	26.8	605.7	2.9	56	2.6	1.5	1.1	32	0.85
1627681	Drill Core	5.24	0.243	7.7	767.1	12.3	118	0.8	2.6	7.4	841	5.06	41.5	207.0	0.7	65	0.3	0.4	0.4	75	1.21
1627682	Drill Core	5.57	0.031	7.9	357.0	9.8	98	0.6	2.5	6.3	594	4.14	6.8	24.7	0.6	83	0.5	0.4	<0.1	139	1.20
1627683	Drill Core	5.73	0.022	38.5	558.7	13.3	105	0.5	2.6	7.3	717	3.71	11.4	18.7	0.5	90	<0.1	0.6	<0.1	157	1.60
1627684	Drill Core	6.02	0.023	4.1	147.7	5.5	74	0.1	2.5	4.3	573	3.53	17.1	30.1	0.7	74	0.2	0.3	<0.1	102	1.47
1627685	Drill Core	5.58	0.064	8.3	355.9	6.7	83	0.2	2.4	4.6	634	2.77	14.3	52.0	0.6	45	0.2	0.3	<0.1	95	1.48
1627686	Drill Core	6.42	0.306	12.5	3056.6	21.2	200	1.1	5.3	18.9	986	9.00	51.8	221.1	0.6	134	0.8	1.2	0.4	111	1.59
1627687	Drill Core	6.45	0.135	12.2	846.5	15.3	108	0.5	2.1	5.1	601	3.23	16.6	108.2	0.5	69	0.8	0.6	0.1	65	1.66
1627688	Drill Core	6.50	0.053	4.3	322.5	8.1	70	0.4	1.5	4.1	565	2.47	12.1	57.3	0.5	62	0.1	0.5	<0.1	71	1.54
1627689	Drill Core	6.47	0.090	8.2	558.6	7.5	82	0.4	2.5	5.5	608	3.84	9.8	77.5	0.6	44	0.2	0.3	0.1	130	1.15
1627690	Rock	2.64	<0.005	<0.1	0.8	0.3	2	<0.1	3.1	0.3	31	0.04	<0.5	4.0	<0.1	4044	<0.1	<0.1	<0.1	<2	34.24
1627691	Drill Core	5.88	0.070	9.2	331.7	4.0	77	0.2	3.2	5.3	582	5.40	10.8	64.9	0.5	69	<0.1	0.4	<0.1	238	1.33
1627692	Drill Core	6.13	0.095	5.6	442.2	5.4	76	0.3	2.7	5.7	656	5.56	15.1	130.8	0.6	71	0.2	0.4	<0.1	237	1.48
1627693	Drill Core	5.99	0.124	5.5	750.8	22.5	95	0.5	3.1	8.3	608	2.14	13.9	100.9	0.6	41	0.9	0.4	0.3	56	1.75
1627694	Drill Core	5.37	0.171	5.6	784.7	8.5	70	0.5	1.9	3.6	465	1.91	11.7	171.4	0.8	56	0.3	0.2	<0.1	62	1.35
1627695	Drill Core	5.61	0.125	3.4	478.5	8.4	81	0.3	1.9	5.0	532	1.73	12.6	93.2	0.6	65	0.3	0.4	<0.1	51	1.68
1627696	Drill Core	5.01	0.121	18.6	1726.2	5.5	66	0.9	2.8	11.3	539	3.56	22.0	84.4	0.5	60	0.2	0.3	0.5	61	1.12
1627697	Drill Core	5.27	0.152	11.7	1388.8	19.1	119	1.1	3.3	11.8	770	4.09	36.9	117.5	0.7	56	0.8	0.3	0.4	68	1.06

CERTIFICATE OF ANALYSIS

SMI14000323.1

Method Analyte	Unit	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
MDL		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
1627668	Drill Core	0.127	3	3	1.15	34	0.109	<20	1.72	0.090	0.11	0.3	<0.01	3.3	<0.1	0.33	6	<0.5	<0.2
1627669	Drill Core	0.122	3	3	1.45	30	0.134	<20	1.96	0.086	0.10	0.3	<0.01	3.6	<0.1	0.24	7	<0.5	<0.2
1627670	Drill Core	0.120	3	3	1.64	35	0.159	<20	2.35	0.105	0.10	0.3	<0.01	4.5	<0.1	0.12	7	0.7	<0.2
1627671	Drill Core	0.113	3	2	1.99	35	0.166	<20	2.91	0.094	0.10	0.3	<0.01	5.4	0.1	0.13	9	<0.5	<0.2
1627672	Drill Core	0.130	3	3	2.75	10	0.181	<20	3.42	0.053	0.06	0.6	0.01	7.4	<0.1	0.55	9	0.6	<0.2
1627673	Drill Core	0.149	4	2	1.58	34	0.124	<20	2.24	0.109	0.09	0.4	0.01	5.5	<0.1	1.75	7	2.9	<0.2
1627674	Drill Core	0.139	4	3	1.43	18	0.107	<20	1.57	0.087	0.06	0.2	<0.01	3.9	<0.1	0.53	5	1.0	<0.2
1627675	Drill Core	0.141	4	3	1.44	16	0.106	<20	1.55	0.094	0.06	0.2	<0.01	4.0	<0.1	0.41	5	<0.5	<0.2
1627676	Drill Core	0.138	3	2	1.28	11	0.100	<20	1.52	0.085	0.05	0.3	0.02	4.3	<0.1	0.91	5	<0.5	<0.2
1627677	Drill Core	0.146	4	2	1.42	14	0.106	<20	1.58	0.110	0.09	0.3	0.02	4.1	<0.1	2.17	5	2.3	0.3
1627678	Drill Core	0.133	3	2	1.29	17	0.097	<20	2.52	0.201	0.10	0.4	0.03	4.7	<0.1	4.04	7	6.4	1.2
1627679	Drill Core	0.148	4	3	1.27	31	0.117	<20	2.11	0.173	0.14	0.3	0.02	4.7	<0.1	1.29	6	0.9	<0.2
1627680	Rock Pulp	0.068	4	22	0.60	63	0.043	<20	1.72	0.057	0.31	1.3	0.05	2.4	0.3	2.20	4	4.1	0.3
1627681	Drill Core	0.104	3	3	1.72	18	0.101	<20	2.07	0.124	0.09	0.3	0.03	5.1	<0.1	3.28	7	5.0	0.5
1627682	Drill Core	0.045	3	2	1.25	5	0.114	<20	1.66	0.091	0.04	0.2	0.01	3.5	<0.1	0.08	7	0.7	<0.2
1627683	Drill Core	0.112	4	2	1.64	5	0.110	<20	1.92	0.063	0.03	0.2	0.02	3.4	<0.1	0.21	7	1.5	<0.2
1627684	Drill Core	0.218	6	5	1.04	9	0.090	<20	1.31	0.117	0.06	0.1	<0.01	2.2	<0.1	0.13	6	<0.5	<0.2
1627685	Drill Core	0.153	5	5	1.30	8	0.114	<20	1.41	0.115	0.06	0.2	<0.01	3.3	<0.1	0.23	7	<0.5	<0.2
1627686	Drill Core	0.109	3	5	1.60	24	0.118	<20	2.51	0.141	0.11	0.6	0.05	7.8	0.3	6.18	8	12.9	1.1
1627687	Drill Core	0.168	4	4	1.13	17	0.100	<20	1.52	0.125	0.09	0.4	0.01	3.2	<0.1	1.67	5	3.0	0.3
1627688	Drill Core	0.159	5	3	1.05	10	0.105	<20	1.36	0.117	0.06	0.1	<0.01	2.7	<0.1	0.17	6	0.5	<0.2
1627689	Drill Core	0.129	5	4	1.16	7	0.111	<20	1.23	0.109	0.05	0.1	<0.01	3.0	<0.1	0.27	6	1.3	<0.2
1627690	Rock	0.004	<1	<1	1.81	5	<0.001	<20	0.02	0.005	<0.01	<0.1	<0.01	0.2	<0.1	0.08	<1	<0.5	0.4
1627691	Drill Core	0.157	5	6	1.23	6	0.113	<20	1.34	0.122	0.04	0.2	<0.01	3.4	<0.1	0.06	7	<0.5	<0.2
1627692	Drill Core	0.148	5	5	1.02	10	0.133	<20	1.36	0.128	0.07	0.2	<0.01	3.5	<0.1	0.24	6	0.7	<0.2
1627693	Drill Core	0.137	4	3	1.12	7	0.116	<20	1.55	0.137	0.06	0.2	<0.01	3.5	<0.1	0.96	6	3.3	<0.2
1627694	Drill Core	0.134	5	3	1.09	10	0.103	<20	1.36	0.093	0.05	0.2	<0.01	2.8	<0.1	0.30	6	1.0	<0.2
1627695	Drill Core	0.133	4	2	1.11	9	0.106	<20	1.58	0.118	0.07	0.1	<0.01	2.5	<0.1	0.53	6	0.6	<0.2
1627696	Drill Core	0.141	3	3	1.70	8	0.098	<20	1.72	0.060	0.05	0.3	<0.01	3.1	<0.1	2.50	6	5.4	0.2
1627697	Drill Core	0.125	3	4	1.52	8	0.110	<20	1.68	0.074	0.06	0.3	<0.01	5.0	<0.1	2.51	6	8.5	0.6

CERTIFICATE OF ANALYSIS

SMI14000323.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1627698	Drill Core	6.18	0.200	3.8	820.2	14.1	80	0.7	3.5	5.9	544	2.46	17.4	209.3	0.5	72	0.4	0.5	0.2	76	1.20
1627699	Drill Core	6.00	0.064	5.7	819.6	6.2	79	0.5	2.4	5.6	469	2.63	10.2	61.2	0.5	80	0.3	0.5	<0.1	91	1.23
1627700	Rock Pulp	0.13	0.522	17.3	3934.0	99.3	918	4.5	15.0	12.4	765	4.75	26.2	618.3	2.4	54	4.7	0.9	1.1	29	0.86
1627701	Drill Core	5.83	0.064	5.8	653.8	6.0	87	0.3	2.5	5.0	445	3.31	10.3	49.9	0.6	109	0.2	0.4	<0.1	113	1.15
1627702	Drill Core	5.38	0.092	5.9	833.0	10.1	100	0.5	2.6	5.8	430	2.72	14.4	88.5	0.5	247	0.5	0.3	0.1	85	1.55
1627703	Drill Core	6.42	0.122	9.7	1496.5	14.8	119	1.0	2.7	8.8	483	3.13	13.2	103.3	0.5	163	0.7	0.4	0.1	80	1.17
1627704	Drill Core	6.08	0.083	15.2	1242.8	11.0	105	0.7	2.7	7.1	577	2.66	16.5	110.2	0.7	137	0.2	0.5	0.1	89	1.16
1627739	Drill Core	5.62	0.331	9.6	2577.6	20.7	155	1.5	1.9	4.6	467	1.93	9.7	245.8	0.7	34	1.1	0.2	0.2	64	1.50
1627740	Rock Pulp	0.12	0.328	271.2	2510.5	77.7	423	2.7	13.5	10.9	734	4.29	25.5	263.1	3.2	53	2.2	1.5	1.0	31	0.81
1627741	Drill Core	5.27	0.397	10.1	2978.1	9.1	139	1.5	2.2	4.5	444	2.24	10.1	404.6	0.7	48	0.9	0.4	0.3	72	1.10
1627742	Drill Core	5.19	0.727	6.2	4538.0	7.4	144	2.5	3.6	6.5	396	3.32	14.6	618.4	0.6	45	0.8	0.5	0.4	82	1.28
1627743	Drill Core	6.19	1.014	6.5	5553.9	6.7	75	3.0	2.8	6.1	387	3.75	7.1	895.9	0.6	51	0.4	0.5	0.5	113	1.10
1627744	Drill Core	5.97	0.555	5.2	3442.4	7.3	55	1.8	1.9	4.6	360	2.07	7.8	441.1	0.6	90	0.2	0.5	0.4	58	1.32
1627745	Drill Core	6.39	0.431	7.0	3492.3	8.4	73	1.7	2.5	7.4	372	2.71	10.5	390.8	0.7	44	0.3	0.4	0.5	60	0.92
1627746	Drill Core	7.22	0.863	3.4	6558.6	7.8	115	3.5	2.7	6.2	373	4.36	5.6	895.2	0.7	47	0.6	0.4	0.4	114	1.03
1627747	Drill Core	6.95	0.556	3.6	4960.6	3.9	67	2.2	3.3	8.0	378	5.31	8.1	573.6	0.5	71	0.3	0.5	0.4	123	1.12
1627748	Drill Core	4.84	0.033	38.4	1647.2	4.3	81	0.7	4.8	31.8	733	4.48	4.5	28.7	0.9	50	<0.1	0.3	0.2	164	1.16
1627749	Drill Core	5.67	0.024	40.0	1132.2	4.2	62	0.4	4.3	25.3	722	4.07	3.3	21.9	1.1	68	0.1	0.3	0.2	197	1.02
1627750	Rock	2.28	<0.005	0.1	4.3	<0.1	<1	<0.1	<0.1	0.3	29	0.04	<0.5	1.5	<0.1	4130	<0.1	<0.1	<0.1	<2	33.07
1627751	Drill Core	5.04	0.033	137.9	1948.0	5.6	77	0.9	4.7	33.5	653	3.95	3.2	28.3	1.1	155	<0.1	0.3	0.2	189	1.18
1627752	Drill Core	6.16	0.031	83.0	1188.8	3.7	45	0.5	4.2	30.0	472	3.56	4.1	20.1	1.0	122	<0.1	0.2	0.1	199	1.32
1627753	Drill Core	5.56	0.013	32.7	434.2	4.9	61	0.3	4.1	18.9	675	3.79	3.6	10.6	1.1	85	<0.1	0.2	<0.1	210	1.38
1627754	Drill Core	5.30	0.028	43.4	871.3	7.8	51	0.5	4.6	27.1	649	4.58	2.4	22.4	0.9	102	<0.1	0.2	0.3	162	0.95
1627755	Drill Core	4.79	0.025	29.5	894.5	5.6	59	0.6	4.9	28.8	782	5.06	2.3	26.4	0.9	59	0.1	0.2	0.3	137	0.85
1627756	Drill Core	5.20	0.029	16.8	548.1	11.1	73	0.5	4.9	26.9	945	4.57	8.9	26.0	0.8	38	0.2	0.2	0.3	125	0.92
1627757	Drill Core	5.91	0.024	17.8	512.9	7.5	65	0.4	5.7	27.2	843	4.23	11.4	22.6	0.7	65	0.1	0.2	0.3	107	0.89
1627758	Drill Core	6.03	0.043	13.8	769.7	7.6	72	0.7	5.4	23.6	945	4.63	15.7	42.4	0.7	70	0.1	0.3	0.3	117	1.17
1627759	Drill Core	6.02	0.018	7.3	169.4	8.8	64	0.2	5.6	22.2	636	4.75	28.8	17.0	0.8	34	0.2	0.2	0.3	131	0.77
1627760	Rock Pulp	0.12	0.329	280.9	2655.3	79.3	460	2.8	14.0	11.3	778	4.37	29.7	356.9	3.2	50	2.3	1.6	1.1	32	0.83
1627761	Drill Core	6.39	0.031	18.0	197.0	10.8	94	0.3	11.7	24.9	864	5.58	19.0	27.7	1.2	104	0.6	0.3	0.5	101	0.75



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Project: North_Rok
 Report Date: June 25, 2014

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CERTIFICATE OF ANALYSIS

SMI14000323.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1627698	Drill Core	0.152	4	4	0.73	10	0.112	<20	1.08	0.109	0.07	0.2	0.01	2.9	<0.1	0.79	5	2.7	<0.2
1627699	Drill Core	0.129	4	5	1.23	9	0.130	<20	1.35	0.117	0.05	0.2	<0.01	3.3	<0.1	0.19	6	0.8	<0.2
1627700	Rock Pulp	0.065	3	26	0.56	65	0.029	<20	1.64	0.059	0.34	1.1	0.03	2.4	0.3	3.36	5	5.4	0.8
1627701	Drill Core	0.140	4	5	1.36	15	0.109	<20	1.47	0.117	0.05	0.2	0.01	3.0	<0.1	0.19	6	0.6	<0.2
1627702	Drill Core	0.161	5	4	1.52	35	0.101	<20	1.69	0.119	0.06	0.2	0.01	3.2	<0.1	0.49	6	1.4	<0.2
1627703	Drill Core	0.164	4	4	1.68	20	0.100	<20	1.62	0.086	0.06	0.3	<0.01	3.3	<0.1	1.22	6	3.0	<0.2
1627704	Drill Core	0.216	4	4	1.55	11	0.099	<20	1.68	0.112	0.07	0.3	<0.01	3.6	<0.1	0.89	5	3.4	<0.2
1627739	Drill Core	0.144	4	4	1.37	10	0.131	<20	1.68	0.067	0.06	0.3	<0.01	4.2	<0.1	0.76	6	2.9	<0.2
1627740	Rock Pulp	0.066	4	21	0.58	60	0.040	<20	1.63	0.053	0.29	1.5	0.04	2.4	0.2	2.13	4	4.2	0.5
1627741	Drill Core	0.141	4	3	1.17	16	0.127	<20	1.28	0.105	0.07	0.3	0.02	3.8	<0.1	0.95	5	3.2	<0.2
1627742	Drill Core	0.132	4	4	0.80	15	0.116	<20	1.13	0.119	0.09	0.3	0.02	3.6	<0.1	2.07	5	7.7	0.3
1627743	Drill Core	0.140	4	4	0.93	10	0.118	<20	1.14	0.111	0.07	0.2	0.02	3.7	<0.1	1.42	5	7.7	0.2
1627744	Drill Core	0.137	4	4	0.71	8	0.130	<20	1.06	0.115	0.06	0.3	<0.01	3.6	<0.1	0.83	4	4.9	0.2
1627745	Drill Core	0.125	4	3	1.04	11	0.112	<20	1.15	0.115	0.07	0.3	0.03	3.8	<0.1	1.68	4	6.2	0.2
1627746	Drill Core	0.140	4	4	0.97	11	0.125	<20	1.11	0.130	0.08	0.3	0.02	3.5	<0.1	1.90	5	11.8	0.3
1627747	Drill Core	0.128	3	4	1.04	6	0.107	<20	1.24	0.081	0.04	0.2	0.02	3.6	<0.1	2.01	5	8.0	0.3
1627748	Drill Core	0.134	3	3	2.23	17	0.233	<20	2.42	0.055	0.10	0.5	<0.01	16.1	<0.1	2.29	8	5.4	<0.2
1627749	Drill Core	0.147	5	7	2.53	27	0.276	<20	2.56	0.073	0.17	0.5	<0.01	20.4	<0.1	1.70	9	4.7	<0.2
1627750	Rock	0.005	<1	<1	2.12	4	0.001	<20	0.02	0.005	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	0.3
1627751	Drill Core	0.136	4	7	2.21	33	0.262	<20	2.48	0.095	0.24	0.5	0.01	19.6	<0.1	1.81	8	5.3	<0.2
1627752	Drill Core	0.134	4	6	2.15	42	0.275	<20	2.53	0.084	0.30	0.4	0.02	21.4	<0.1	1.54	8	4.3	<0.2
1627753	Drill Core	0.148	5	7	2.47	31	0.284	<20	2.86	0.064	0.19	0.7	0.01	21.9	<0.1	1.47	10	3.9	<0.2
1627754	Drill Core	0.135	3	7	1.93	29	0.186	<20	2.21	0.050	0.18	0.7	<0.01	14.9	<0.1	2.81	8	8.6	<0.2
1627755	Drill Core	0.126	2	5	1.76	23	0.168	<20	2.17	0.067	0.25	0.8	<0.01	13.4	<0.1	3.07	7	11.6	<0.2
1627756	Drill Core	0.124	2	5	1.79	15	0.142	<20	2.15	0.054	0.19	0.7	0.01	11.5	<0.1	3.46	7	8.2	<0.2
1627757	Drill Core	0.120	2	7	1.54	16	0.119	<20	1.82	0.076	0.14	0.6	<0.01	8.7	<0.1	3.24	6	8.1	<0.2
1627758	Drill Core	0.128	3	7	1.52	16	0.132	<20	2.17	0.074	0.16	0.6	0.01	9.5	<0.1	3.74	7	8.9	0.2
1627759	Drill Core	0.123	2	6	1.69	11	0.120	<20	1.76	0.082	0.14	0.5	0.02	10.5	<0.1	4.18	6	7.3	0.3
1627760	Rock Pulp	0.071	5	20	0.60	64	0.038	<20	1.67	0.053	0.29	1.5	0.05	2.4	0.3	2.23	5	4.2	0.7
1627761	Drill Core	0.128	2	19	1.53	18	0.090	<20	2.01	0.051	0.24	0.5	0.02	7.5	<0.1	4.66	6	9.9	0.4

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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CERTIFICATE OF ANALYSIS

SMI14000323.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1627762	Drill Core	5.95	0.030	20.8	201.4	10.9	65	0.3	7.2	26.2	757	5.28	14.6	27.3	0.9	41	0.3	0.2	0.5	85	1.89
1627763	Drill Core	5.87	0.022	11.3	75.2	9.8	53	0.2	6.8	24.2	861	5.57	15.1	22.3	0.8	96	0.1	0.3	0.5	67	1.10
1627764	Drill Core	6.30	0.036	5.2	52.7	10.6	73	0.4	7.7	25.0	1309	6.96	16.8	31.5	0.9	163	0.2	0.4	0.5	79	0.96
1627765	Drill Core	6.10	0.018	6.0	41.2	8.7	49	0.2	7.6	22.2	624	4.67	8.8	13.4	0.8	182	0.2	0.2	0.6	49	0.81
1627766	Drill Core	5.89	0.014	4.2	45.3	13.8	38	0.1	8.5	35.7	394	5.15	14.6	9.3	0.8	87	<0.1	0.2	0.9	81	1.30
1627767	Drill Core	6.23	0.012	4.9	38.5	23.3	52	0.1	5.4	27.0	303	4.51	10.9	10.6	0.7	130	0.8	0.2	0.7	62	0.99



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Client: **Colorado Resources Ltd.**

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Project: North_Rok

Report Date: June 25, 2014

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CERTIFICATE OF ANALYSIS

SMI14000323.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1627762	Drill Core	0.112	2	7	1.25	11	0.096	<20	3.37	0.034	0.20	0.6	0.01	6.1	<0.1	4.70	8	14.1	0.4
1627763	Drill Core	0.125	2	6	1.33	19	0.055	<20	2.44	0.066	0.33	0.4	<0.01	5.1	0.1	5.18	6	11.2	0.3
1627764	Drill Core	0.121	2	7	1.70	17	0.064	<20	2.57	0.068	0.37	0.5	0.02	6.3	0.2	5.88	6	11.4	0.4
1627765	Drill Core	0.118	1	5	1.32	17	0.049	<20	1.96	0.066	0.25	0.5	<0.01	3.2	0.1	4.28	4	6.2	<0.2
1627766	Drill Core	0.116	1	6	1.50	8	0.084	<20	2.25	0.055	0.13	0.6	0.01	4.9	<0.1	5.24	6	8.3	<0.2
1627767	Drill Core	0.122	2	4	0.81	15	0.047	<20	1.61	0.074	0.19	0.5	0.02	4.6	<0.1	4.66	4	12.7	0.3



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Project: North_Rok
 Report Date: June 25, 2014

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Part: 1 of 2

QUALITY CONTROL REPORT

SMI14000323.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
1627648	Drill Core	6.42	0.037	10.6	214.2	5.0	102	0.2	2.2	8.8	737	6.02	19.9	27.8	0.7	46	0.3	0.4	0.2	187	1.04
REP 1627648	QC			10.1	216.1	5.3	103	0.2	2.2	8.9	727	5.75	20.4	32.0	0.7	46	0.1	0.4	0.2	184	1.05
1627683	Drill Core	5.73	0.022	38.5	558.7	13.3	105	0.5	2.6	7.3	717	3.71	11.4	18.7	0.5	90	<0.1	0.6	<0.1	157	1.60
REP 1627683	QC			40.9	566.4	13.1	106	0.5	2.6	7.7	723	3.73	11.5	15.7	0.6	99	<0.1	0.4	<0.1	159	1.61
1627696	Drill Core	5.01	0.121	18.6	1726.2	5.5	66	0.9	2.8	11.3	539	3.56	22.0	84.4	0.5	60	0.2	0.3	0.5	61	1.12
REP 1627696	QC		0.133																		
1627699	Drill Core	6.00	0.064	5.7	819.6	6.2	79	0.5	2.4	5.6	469	2.63	10.2	61.2	0.5	80	0.3	0.5	<0.1	91	1.23
REP 1627699	QC		0.058																		
1627752	Drill Core	6.16	0.031	83.0	1188.8	3.7	45	0.5	4.2	30.0	472	3.56	4.1	20.1	1.0	122	<0.1	0.2	0.1	199	1.32
REP 1627752	QC			72.9	1205.0	4.0	46	0.5	4.7	31.0	481	3.61	4.7	23.4	1.1	125	<0.1	0.2	0.1	202	1.34
Core Reject Duplicates																					
1627670	Drill Core	5.62	0.048	7.0	273.9	2.3	70	0.1	2.3	13.5	633	4.06	9.0	29.8	0.7	135	<0.1	0.5	<0.1	147	1.40
DUP 1627670	QC		0.050	6.2	262.4	2.5	67	0.2	2.5	12.7	617	3.98	9.0	36.8	0.7	133	<0.1	0.4	<0.1	142	1.31
1627742	Drill Core	5.19	0.727	6.2	4538.0	7.4	144	2.5	3.6	6.5	396	3.32	14.6	618.4	0.6	45	0.8	0.5	0.4	82	1.28
DUP 1627742	QC		0.693	6.5	4583.9	7.0	141	2.4	4.1	6.5	423	3.47	14.5	981.9	0.6	48	0.9	0.5	0.5	86	1.36
Reference Materials																					
STD DS10	Standard			13.4	153.9	156.5	382	2.1	77.1	12.7	871	2.70	45.2	52.5	7.4	64	2.7	8.2	12.9	43	1.05
STD DS10	Standard			15.2	160.8	158.7	373	2.0	76.5	13.1	899	2.84	47.7	85.1	7.4	68	2.5	9.2	12.4	45	1.10
STD DS10	Standard			14.1	164.0	159.4	377	2.2	80.0	13.3	886	2.80	48.5	194.3	7.5	72	2.7	7.6	12.5	45	1.09
STD OREAS45EA	Standard			1.5	697.8	14.3	30	0.3	377.5	50.5	409	21.27	10.3	60.6	10.0	3	<0.1	0.4	0.2	302	0.04
STD OREAS45EA	Standard			1.7	730.2	15.4	32	0.3	396.9	54.1	418	24.51	11.7	65.2	10.9	4	<0.1	0.3	0.2	310	0.05
STD OREAS45EA	Standard			1.7	737.5	15.2	33	0.2	403.8	55.3	421	25.07	11.5	57.9	10.2	4	<0.1	0.3	0.3	311	0.04
STD OXD108	Standard		0.422																		
STD OXD108	Standard		0.410																		
STD OXD108	Standard		0.406																		
STD OXI96	Standard		1.878																		
STD OXI96	Standard		1.805																		
STD OXI96	Standard		1.794																		

QUALITY CONTROL REPORT

SMI14000323.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
1627648	Drill Core	0.153	4	2	1.53	20	0.084	<20	1.68	0.072	0.09	0.3	0.03	3.5	<0.1	0.55	7	0.7	<0.2
REP 1627648	QC	0.154	4	2	1.52	20	0.083	<20	1.68	0.070	0.08	0.4	0.01	3.2	<0.1	0.56	6	1.0	<0.2
1627683	Drill Core	0.112	4	2	1.64	5	0.110	<20	1.92	0.063	0.03	0.2	0.02	3.4	<0.1	0.21	7	1.5	<0.2
REP 1627683	QC	0.112	4	2	1.65	5	0.113	<20	1.94	0.061	0.03	0.3	0.01	3.4	<0.1	0.21	6	1.4	<0.2
1627696	Drill Core	0.141	3	3	1.70	8	0.098	<20	1.72	0.060	0.05	0.3	<0.01	3.1	<0.1	2.50	6	5.4	0.2
REP 1627696	QC																		
1627699	Drill Core	0.129	4	5	1.23	9	0.130	<20	1.35	0.117	0.05	0.2	<0.01	3.3	<0.1	0.19	6	0.8	<0.2
REP 1627699	QC																		
1627752	Drill Core	0.134	4	6	2.15	42	0.275	<20	2.53	0.084	0.30	0.4	0.02	21.4	<0.1	1.54	8	4.3	<0.2
REP 1627752	QC	0.140	4	6	2.19	44	0.284	<20	2.57	0.086	0.30	0.4	0.02	21.8	<0.1	1.55	9	5.3	<0.2
Core Reject Duplicates																			
1627670	Drill Core	0.120	3	3	1.64	35	0.159	<20	2.35	0.105	0.10	0.3	<0.01	4.5	<0.1	0.12	7	0.7	<0.2
DUP 1627670	QC	0.117	3	2	1.60	32	0.149	<20	2.26	0.099	0.09	0.2	<0.01	4.1	<0.1	0.11	7	<0.5	<0.2
1627742	Drill Core	0.132	4	4	0.80	15	0.116	<20	1.13	0.119	0.09	0.3	0.02	3.6	<0.1	2.07	5	7.7	0.3
DUP 1627742	QC	0.131	4	4	0.85	16	0.123	<20	1.22	0.138	0.10	0.3	0.02	4.1	<0.1	2.15	5	7.4	0.3
Reference Materials																			
STD DS10	Standard	0.079	17	56	0.77	425	0.073	<20	0.99	0.064	0.33	3.0	0.30	2.7	5.1	0.28	4	1.9	5.1
STD DS10	Standard	0.077	18	58	0.80	425	0.079	<20	1.07	0.071	0.35	3.1	0.28	2.9	5.2	0.30	5	1.9	4.9
STD DS10	Standard	0.079	17	56	0.79	422	0.081	<20	1.06	0.070	0.34	3.0	0.31	2.9	4.9	0.30	4	1.8	4.6
STD OREAS45EA	Standard	0.025	7	869	0.08	141	0.096	<20	3.11	0.020	0.06	<0.1	<0.01	75.1	<0.1	<0.05	12	0.7	<0.2
STD OREAS45EA	Standard	0.029	7	910	0.11	145	0.102	<20	3.26	0.026	0.05	<0.1	<0.01	79.9	<0.1	<0.05	13	1.6	<0.2
STD OREAS45EA	Standard	0.031	7	876	0.12	145	0.104	<20	3.29	0.025	0.05	<0.1	0.01	81.5	<0.1	<0.05	13	1.3	<0.2
STD OXD108	Standard																		
STD OXD108	Standard																		
STD OXD108	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		



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Project: North_Rok
 Report Date: June 25, 2014

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QUALITY CONTROL REPORT

SMI14000323.1

		WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
STD OXN117	Standard	7.972																			
STD OXN117	Standard	7.568																			
STD OXN117	Standard	7.395																			
STD OXD108 Expected		0.414																			
STD OXI96 Expected		1.802																			
STD OXN117 Expected		7.679																			
STD DS10 Expected			14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	
STD OREAS45EA Expected			1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036	
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	0.2	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1-SMI	Prep Blank	<0.005	0.2	4.7	4.9	47	<0.1	2.7	4.0	563	1.96	<0.5	<0.5	5.6	70	<0.1	<0.1	<0.1	37	0.53	
G1-SMI	Prep Blank	<0.005	0.2	4.8	4.9	44	<0.1	2.6	3.9	556	1.93	0.8	<0.5	5.9	60	<0.1	<0.1	<0.1	38	0.50	



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Project: North_Rok
 Report Date: June 25, 2014

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QUALITY CONTROL REPORT

SMI14000323.1

		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200		
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
STD OXN117	Standard																			
STD OXN117	Standard																			
STD OXN117	Standard																			
STD OXD108 Expected																				
STD OXI96 Expected																				
STD OXN117 Expected																				
STD DS10 Expected		0.073	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01	
STD OREAS45EA Expected		0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053			78	0.072	0.036	11.7	0.6	0.07	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																				
G1-SMI	Prep Blank	0.071	14	9	0.48	188	0.132	<20	1.04	0.133	0.51	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2	
G1-SMI	Prep Blank	0.069	12	9	0.49	160	0.126	<20	0.96	0.102	0.49	<0.1	0.01	2.3	0.3	<0.05	4	<0.5	<0.2	



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Submitted By: Greg Dawson
Receiving Lab: Canada-Smithers
Received: June 30, 2014
Report Date: July 06, 2014
Page: 1 of 2

CERTIFICATE OF ANALYSIS

SMI14000323R.1

CLIENT JOB INFORMATION

Project: North_Rok
Shipment ID: 14-9
P.O. Number
Number of Samples: 7

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Procedure Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Row 1: AQ200, 7, 1:1:1 Aqua Regia digestion ICP-MS analysis, 0.5, Completed, VAN

SAMPLE DISPOSAL

RTRN-PLP Return
STOR-RJT Store After 90 days Invoice for Storage

ADDITIONAL COMMENTS

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

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

CC: Gilles Dessureau
Allan Jacobs



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



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Project: North_Rok

Report Date: July 06, 2014

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CERTIFICATE OF ANALYSIS

SMI14000323R.1

	Method Analyte Unit MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1627757	Drill Core	17.3	525.0	7.9	67	0.5	6.1	27.8	898	4.53	12.0	30.8	0.7	75	0.1	0.2	0.3	109	0.95	0.122	2
1627758	Drill Core	13.7	799.1	8.4	76	0.7	5.6	25.2	1005	5.01	17.6	43.5	0.9	77	0.1	0.3	0.3	117	1.28	0.127	3
1627759	Drill Core	8.2	172.1	9.0	63	0.2	5.3	22.5	663	5.10	31.3	14.4	0.9	38	0.2	0.2	0.3	131	0.82	0.134	2
1627760	Rock Pulp	284.4	2621.1	86.7	468	2.7	13.4	11.6	796	4.48	28.4	264.6	3.4	55	2.8	1.3	1.2	32	0.83	0.071	5
1627761	Drill Core	19.0	204.2	11.7	105	0.3	12.8	25.9	952	6.32	20.6	32.8	1.3	129	0.6	0.3	0.5	104	0.80	0.138	2
1627762	Drill Core	22.5	219.3	12.8	76	0.3	8.4	29.3	868	6.24	18.0	32.5	1.0	49	0.5	0.2	0.5	88	2.08	0.114	2
1627763	Drill Core	13.1	83.8	10.9	59	0.2	7.4	28.2	980	6.57	17.1	21.7	1.0	118	0.2	0.2	0.6	71	1.22	0.142	2



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Client: **Colorado Resources Ltd.**

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Project: North_Rok

Report Date: July 06, 2014

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

SMI14000323R.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1627757	Drill Core	7	1.59	16	0.146	<20	1.95	0.074	0.14	0.6	<0.01	10.0	<0.1	3.27	7	8.3	<0.2
1627758	Drill Core	7	1.55	18	0.149	<20	2.23	0.076	0.16	0.6	0.02	10.0	<0.1	3.80	7	9.9	0.2
1627759	Drill Core	6	1.78	12	0.133	<20	1.85	0.077	0.14	0.6	<0.01	11.0	<0.1	4.27	7	8.1	0.3
1627760	Rock Pulp	19	0.60	65	0.042	<20	1.73	0.053	0.31	1.1	0.05	2.6	0.3	2.17	5	3.6	0.8
1627761	Drill Core	20	1.62	21	0.113	<20	2.17	0.052	0.28	0.6	0.01	8.9	0.1	4.94	7	11.1	0.3
1627762	Drill Core	8	1.35	13	0.117	<20	3.66	0.036	0.22	0.7	0.01	7.5	<0.1	5.02	9	16.0	0.4
1627763	Drill Core	7	1.45	25	0.066	<20	2.72	0.071	0.39	0.4	0.01	6.1	0.2	5.57	6	13.7	0.4

QUALITY CONTROL REPORT

SMI14000323R.1

Method	Analyte	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1627763	Drill Core	13.1	83.8	10.9	59	0.2	7.4	28.2	980	6.57	17.1	21.7	1.0	118	0.2	0.2	0.6	71	1.22	0.142	2
REP 1627763	QC	13.1	87.6	10.4	60	0.3	7.5	28.5	984	6.60	17.4	18.5	1.0	119	0.2	0.2	0.6	71	1.24	0.135	2
Reference Materials																					
STD DS10	Standard	14.9	159.7	156.1	377	1.8	77.3	13.5	908	2.80	47.7	66.7	7.8	70	2.7	8.1	12.4	43	1.06	0.074	18
STD OREAS45EA	Standard	1.6	746.1	15.8	32	0.3	403.7	56.2	443	24.05	11.5	49.3	10.9	4	<0.1	0.3	0.3	315	0.04	0.030	8
STD DS10 Expected		14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073	17.5
STD OREAS45EA Expected		1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036	0.029	6.57
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

QUALITY CONTROL REPORT

SMI14000323R.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
1627763	Drill Core	7	1.45	25	0.066	<20	2.72	0.071	0.39	0.4	0.01	6.1	0.2	5.57	6	13.7	0.4
REP 1627763	QC	7	1.45	23	0.067	<20	2.69	0.071	0.38	0.4	0.01	6.2	0.2	5.60	6	12.1	0.4
Reference Materials																	
STD DS10	Standard	56	0.79	420	0.080	<20	1.07	0.067	0.34	3.4	0.28	2.9	5.0	0.28	4	2.4	4.9
STD OREAS45EA	Standard	880	0.10	148	0.104	<20	3.35	0.018	0.05	<0.1	<0.01	81.3	<0.1	<0.05	13	0.6	<0.2
STD DS10 Expected		54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01
STD OREAS45EA Expected		849	0.095	148	0.0875		3.13	0.02	0.053			78	0.072	0.036	11.7	0.6	0.07
BLK	Blank	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Client: Colorado Resources Ltd.
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West Kelowna BC V4T 2N6 CANADA

Submitted By: Greg Dawson
Receiving Lab: Canada-Smithers
Received: June 16, 2014
Report Date: June 27, 2014
Page: 1 of 3

CERTIFICATE OF ANALYSIS

SMI14000324.1

CLIENT JOB INFORMATION

Project: North_Rok
Shipment ID: 14-10
P.O. Number
Number of Samples: 34

SAMPLE DISPOSAL

RTRN-PLP Return
STOR-RJT Store After 90 days Invoice for Storage

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

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

CC: Gilles Dessureau
Allan Jacobs

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	33	Crush, split and pulverize 250 g rock to 200 mesh			SMI
FA430	34	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
AQ200	34	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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

CERTIFICATE OF ANALYSIS

SMI14000324.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1627705	Drill Core	6.43	0.093	57.3	1283.6	9.0	75	0.8	2.3	8.2	583	2.55	29.5	101.2	1.2	158	0.2	0.8	0.2	72	1.52
1627706	Drill Core	6.52	0.063	11.4	1416.8	8.9	91	0.7	1.9	6.1	599	2.17	14.6	97.1	0.8	111	0.2	0.6	0.2	78	1.72
1627707	Drill Core	5.87	0.095	8.0	1274.3	16.3	291	0.8	3.0	6.5	657	2.19	14.8	71.2	0.4	74	2.0	0.6	0.3	63	1.89
1627708	Drill Core	6.26	0.111	9.9	1130.2	20.4	106	0.7	3.4	5.5	543	1.72	12.5	79.4	0.3	52	0.6	0.5	0.3	52	1.70
1627709	Drill Core	5.83	0.097	5.0	997.4	17.9	170	0.7	3.5	9.0	767	3.04	13.7	68.0	0.3	46	0.8	0.5	0.3	79	1.61
1627710	Drill Core	5.61	0.150	7.0	1457.9	10.6	124	1.0	3.7	6.1	715	2.77	13.8	136.4	0.4	69	0.4	0.5	0.2	106	1.52
1627711	Drill Core	5.60	0.203	26.8	2062.8	10.1	141	1.4	2.9	6.4	663	2.40	18.4	174.9	0.7	61	0.8	0.6	0.3	69	2.13
1627712	Drill Core	5.79	0.067	9.9	1326.9	13.7	136	1.0	4.0	12.2	630	3.43	20.2	43.8	0.5	38	0.9	0.6	0.4	82	2.30
1627713	Drill Core	6.19	0.245	5.1	2163.9	15.4	152	1.7	3.6	6.5	497	2.10	20.6	211.4	0.6	32	1.1	0.6	0.2	56	1.60
1627714	Drill Core	6.17	0.170	4.8	1565.1	12.2	111	1.3	4.2	6.5	530	2.01	12.4	114.4	0.3	31	0.3	0.4	0.2	95	1.33
1627715	Drill Core	6.50	0.208	6.5	1529.4	14.0	121	1.4	3.0	6.3	652	2.22	12.3	166.5	0.3	41	0.5	0.4	0.2	89	1.57
1627716	Drill Core	4.89	0.351	4.0	1906.9	14.8	131	1.7	2.0	5.6	557	2.38	12.5	293.7	0.4	36	0.8	0.4	0.2	89	1.44
1627717	Drill Core	5.25	0.405	3.8	1894.7	10.9	141	1.7	1.9	5.9	591	2.64	15.8	375.5	0.5	50	0.6	0.5	0.3	67	1.66
1627718	Drill Core	6.12	0.753	3.6	2384.8	9.3	156	2.2	2.2	7.9	603	2.77	16.6	553.6	0.5	46	0.8	0.4	0.3	73	1.39
1627719	Drill Core	6.09	0.919	6.6	2492.9	9.1	114	2.5	1.8	7.0	471	2.85	14.0	655.4	0.4	77	0.7	0.6	0.2	88	1.14
1627720	Rock Pulp	0.12	0.533	15.1	3764.4	98.1	886	4.4	14.6	11.6	732	4.50	27.2	760.9	2.3	53	4.8	0.8	1.2	27	0.82
1627721	Drill Core	6.18	1.005	6.1	2770.0	11.4	131	2.8	2.7	7.0	392	2.79	12.3	879.3	0.5	38	0.7	0.7	0.2	102	1.06
1627722	Drill Core	6.13	0.381	5.4	1770.8	11.4	184	1.5	3.1	7.2	534	3.26	19.5	325.2	0.5	48	1.1	1.1	0.2	86	1.05
1627723	Drill Core	5.39	0.565	6.0	2083.9	12.2	163	2.0	3.1	7.3	479	2.96	20.0	531.3	0.5	33	0.9	0.6	0.2	85	1.02
1627724	Drill Core	2.00	1.089	6.4	2472.9	11.1	188	2.3	2.5	6.4	489	2.37	24.0	946.6	0.6	36	1.1	0.6	0.2	71	1.59
1627725	Drill Core	2.19	1.087	8.3	2279.5	10.9	192	2.0	2.7	6.3	494	2.37	24.9	866.9	0.5	38	1.4	0.6	0.2	70	1.52
1627726	Drill Core	5.89	1.333	5.7	3011.2	10.9	285	3.0	2.9	6.4	456	3.12	12.9	1061.8	0.5	39	1.7	0.5	0.2	76	1.05
1627727	Drill Core	5.06	0.943	4.5	2303.0	8.8	183	2.1	2.0	4.8	412	2.24	10.0	742.6	0.5	24	0.8	0.5	0.1	89	0.95
1627728	Drill Core	6.12	1.407	5.9	4209.1	13.7	277	3.5	2.5	5.3	472	2.27	14.8	1199.2	0.7	25	1.5	0.5	0.2	82	1.26
1627729	Drill Core	6.17	0.841	5.0	2636.2	16.9	556	2.6	2.3	4.4	415	2.26	11.3	648.7	0.5	38	3.0	0.5	0.3	64	0.99
1627730	Drill Core	6.01	0.545	4.0	1604.5	14.0	278	1.7	1.8	4.0	478	2.34	15.7	661.9	0.6	34	1.6	0.3	0.2	89	1.37
1627731	Drill Core	6.07	1.521	5.8	4391.8	13.8	350	4.1	1.8	5.6	475	2.53	12.2	1231.2	0.4	20	1.9	0.4	0.4	66	0.96
1627732	Drill Core	5.19	1.878	6.3	5646.9	14.6	216	4.1	2.4	7.0	587	3.21	44.7	1819.4	1.0	17	1.0	1.3	0.3	104	0.88
1627733	Drill Core	5.54	1.764	7.0	7200.4	10.7	252	5.0	2.3	7.3	634	3.65	43.4	1513.7	1.2	22	1.4	1.4	0.5	118	0.95
1627734	Drill Core	5.86	0.909	16.3	2344.3	27.3	170	1.9	1.8	4.4	532	2.20	17.9	780.6	0.8	30	1.1	0.6	0.2	78	2.18



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Project: North_Rok
 Report Date: June 27, 2014

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

SMI14000324.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1627705	Drill Core	0.319	6	2	1.43	14	0.087	<20	1.78	0.138	0.11	0.3	0.01	4.6	<0.1	1.25	6	4.1	<0.2
1627706	Drill Core	0.265	5	2	1.28	9	0.095	<20	1.65	0.112	0.07	0.2	<0.01	4.6	<0.1	0.80	6	1.9	<0.2
1627707	Drill Core	0.182	3	5	1.10	11	0.067	<20	2.10	0.152	0.07	0.2	0.05	5.4	<0.1	1.18	6	2.8	<0.2
1627708	Drill Core	0.163	3	7	1.19	10	0.068	<20	1.71	0.104	0.07	0.2	<0.01	5.2	<0.1	0.93	5	2.2	<0.2
1627709	Drill Core	0.154	3	9	2.17	10	0.068	<20	2.07	0.059	0.06	0.2	0.02	5.8	<0.1	1.55	7	4.0	<0.2
1627710	Drill Core	0.173	3	8	1.82	17	0.066	<20	2.13	0.085	0.08	0.3	0.01	7.5	<0.1	0.74	6	1.4	<0.2
1627711	Drill Core	0.288	5	4	1.33	7	0.068	<20	1.67	0.064	0.05	0.4	0.01	6.4	<0.1	0.94	5	2.6	<0.2
1627712	Drill Core	0.201	3	8	1.45	6	0.080	<20	2.02	0.047	0.04	0.4	0.02	9.3	<0.1	2.23	6	4.7	0.3
1627713	Drill Core	0.232	5	3	1.13	8	0.080	<20	1.28	0.104	0.06	0.2	0.01	4.7	<0.1	1.12	6	4.0	<0.2
1627714	Drill Core	0.161	3	9	1.35	8	0.083	<20	1.37	0.070	0.04	0.1	<0.01	5.2	<0.1	0.51	5	3.3	<0.2
1627715	Drill Core	0.165	3	11	1.46	13	0.077	<20	1.49	0.081	0.05	0.1	<0.01	5.9	<0.1	0.48	5	3.0	<0.2
1627716	Drill Core	0.187	3	3	1.22	8	0.073	<20	1.29	0.080	0.05	0.2	0.01	4.6	<0.1	0.51	5	3.0	<0.2
1627717	Drill Core	0.201	3	1	1.24	9	0.066	<20	1.72	0.078	0.07	0.3	0.02	5.6	<0.1	1.26	6	5.2	<0.2
1627718	Drill Core	0.252	4	2	1.44	7	0.056	<20	1.31	0.068	0.05	0.2	0.02	4.9	<0.1	1.31	5	6.9	<0.2
1627719	Drill Core	0.140	3	2	1.15	10	0.065	<20	1.33	0.077	0.04	0.2	0.01	3.9	<0.1	1.12	5	5.1	<0.2
1627720	Rock Pulp	0.068	3	23	0.54	61	0.025	<20	1.49	0.054	0.31	1.1	0.05	2.9	0.3	3.22	4	5.6	0.7
1627721	Drill Core	0.136	3	4	0.68	9	0.084	<20	0.89	0.075	0.05	0.2	0.02	4.3	<0.1	0.97	5	5.7	<0.2
1627722	Drill Core	0.131	2	4	1.08	12	0.079	<20	1.28	0.062	0.06	0.3	0.02	5.5	<0.1	1.60	5	5.5	<0.2
1627723	Drill Core	0.187	3	3	0.84	9	0.074	<20	1.01	0.077	0.05	0.3	0.03	4.4	<0.1	1.54	5	6.3	0.3
1627724	Drill Core	0.199	4	4	1.10	6	0.087	<20	1.47	0.076	0.04	0.3	0.02	4.7	<0.1	1.18	6	5.2	<0.2
1627725	Drill Core	0.175	3	4	1.13	5	0.081	<20	1.44	0.067	0.03	0.3	0.03	4.3	<0.1	1.15	6	5.4	<0.2
1627726	Drill Core	0.164	3	3	0.71	6	0.080	<20	0.99	0.074	0.03	0.2	0.04	4.7	<0.1	1.63	5	7.7	0.3
1627727	Drill Core	0.163	4	3	0.83	6	0.083	<20	0.87	0.088	0.04	0.2	0.03	3.6	<0.1	0.64	5	4.5	<0.2
1627728	Drill Core	0.184	4	3	1.06	5	0.084	<20	1.21	0.075	0.05	0.3	0.04	4.3	<0.1	0.98	6	7.2	<0.2
1627729	Drill Core	0.152	4	2	0.52	8	0.077	<20	0.81	0.090	0.05	0.2	0.08	2.8	<0.1	0.99	4	5.3	<0.2
1627730	Drill Core	0.225	5	1	0.62	8	0.069	<20	0.99	0.081	0.05	0.3	0.05	3.1	<0.1	0.61	5	3.7	<0.2
1627731	Drill Core	0.142	4	1	0.60	10	0.070	<20	0.92	0.085	0.06	0.3	0.07	3.5	<0.1	1.25	5	7.8	<0.2
1627732	Drill Core	0.150	4	2	2.52	7	0.161	<20	1.77	0.066	0.07	0.4	0.04	9.5	0.2	1.44	8	11.4	<0.2
1627733	Drill Core	0.136	3	4	2.88	9	0.170	<20	2.22	0.050	0.08	0.3	0.04	8.6	0.3	1.76	8	8.9	<0.2
1627734	Drill Core	0.134	3	4	1.81	4	0.106	<20	2.27	0.043	0.03	0.6	0.03	5.9	<0.1	0.82	8	3.7	<0.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: North_Rok
 Report Date: June 27, 2014

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CERTIFICATE OF ANALYSIS

SMI14000324.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1627735	Drill Core	4.90	0.596	7.8	2531.9	7.3	75	1.7	2.7	4.3	374	2.11	14.3	838.9	0.5	29	0.4	0.4	0.3	53	1.38
1627736	Drill Core	5.85	0.896	6.1	4330.6	6.8	106	2.8	2.5	5.0	384	2.17	13.3	934.9	0.6	32	0.5	0.3	0.5	41	0.95
1627737	Drill Core	3.55	0.490	9.0	2499.9	5.5	71	1.5	2.9	5.2	539	2.66	10.0	470.1	0.5	35	0.3	0.3	0.3	78	1.66
1627738	Drill Core	3.76	0.585	11.1	3134.9	5.2	58	1.7	2.9	4.7	444	2.90	12.6	635.1	0.5	38	0.3	0.3	0.4	80	1.49



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CERTIFICATE OF ANALYSIS

SMI14000324.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1627735	Drill Core	0.145	3	3	0.91	12	0.097	<20	1.35	0.066	0.07	0.3	0.02	5.0	<0.1	1.24	5	3.5	<0.2
1627736	Drill Core	0.155	3	3	0.86	14	0.087	<20	0.94	0.069	0.07	0.3	0.02	4.0	<0.1	1.38	4	6.2	<0.2
1627737	Drill Core	0.136	3	3	1.06	14	0.106	<20	1.55	0.066	0.07	0.3	0.01	5.8	<0.1	1.27	6	3.5	<0.2
1627738	Drill Core	0.136	3	1	0.80	18	0.089	<20	1.16	0.074	0.08	0.2	0.02	5.7	<0.1	1.59	5	3.9	<0.2

QUALITY CONTROL REPORT

SMI14000324.1

Method	WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																					
1627728	Drill Core	6.12	1.407	5.9	4209.1	13.7	277	3.5	2.5	5.3	472	2.27	14.8	1199.2	0.7	25	1.5	0.5	0.2	82	1.26
REP 1627728	QC			6.0	4038.8	13.7	272	3.5	2.2	5.2	448	2.14	13.8	1089.2	0.7	24	1.5	0.5	0.2	76	1.22
1627738	Drill Core	3.76	0.585	11.1	3134.9	5.2	58	1.7	2.9	4.7	444	2.90	12.6	635.1	0.5	38	0.3	0.3	0.4	80	1.49
REP 1627738	QC		0.522	11.5	3077.7	5.3	57	1.8	3.1	4.7	438	2.88	13.4	442.0	0.5	38	0.3	0.4	0.4	80	1.49
Core Reject Duplicates																					
1627717	Drill Core	5.25	0.405	3.8	1894.7	10.9	141	1.7	1.9	5.9	591	2.64	15.8	375.5	0.5	50	0.6	0.5	0.3	67	1.66
DUP 1627717	QC		0.424	3.4	1939.4	10.4	143	1.7	2.0	6.1	601	2.67	16.0	319.3	0.5	50	0.6	0.5	0.3	68	1.66
Reference Materials																					
STD DS10	Standard			11.5	151.3	151.0	346	1.7	71.1	12.4	825	2.52	45.5	54.9	6.6	60	2.5	7.9	11.9	40	1.00
STD DS10	Standard			14.7	161.6	163.7	388	2.0	79.9	12.9	902	2.82	45.9	119.5	7.8	69	2.8	10.2	13.7	45	1.08
STD OREAS45EA	Standard			1.6	642.2	14.2	29	0.3	337.6	48.0	380	21.68	8.9	44.1	9.8	3	<0.1	0.3	0.3	277	0.03
STD OREAS45EA	Standard			1.5	677.7	15.0	29	0.3	363.8	49.4	398	23.04	9.5	51.1	10.3	4	<0.1	0.3	0.2	292	0.04
STD OREAS45EA	Standard			1.7	713.1	15.6	29	0.3	394.0	50.4	416	22.16	11.1	48.2	10.8	4	<0.1	0.5	0.3	313	0.04
STD OXD108	Standard		0.426																		
STD OXI96	Standard		1.826																		
STD OXN117	Standard		7.606																		
STD OXD108 Expected			0.414																		
STD OXI96 Expected			1.802																		
STD OXN117 Expected			7.679																		
STD DS10 Expected				14.69	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	43.7	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625
STD OREAS45EA Expected				1.39	709	14.3	28.9	0.26	381	52	400	23.51	9.1	53	10.7	3.5	0.02	0.2	0.26	303	0.036
BLK	Blank		<0.005																		
BLK	Blank		0.005																		
BLK	Blank			<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1-SMI	Prep Blank		<0.005	<0.1	6.1	6.2	51	<0.1	2.7	4.5	591	2.16	0.5	<0.5	6.5	64	<0.1	<0.1	<0.1	42	0.50

QUALITY CONTROL REPORT

SMI14000324.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
1627728	Drill Core	0.184	4	3	1.06	5	0.084	<20	1.21	0.075	0.05	0.3	0.04	4.3	<0.1	0.98	6	7.2	<0.2
REP 1627728	QC	0.168	4	3	1.02	5	0.079	<20	1.16	0.072	0.04	0.2	0.04	4.0	<0.1	0.94	5	7.0	<0.2
1627738	Drill Core	0.136	3	1	0.80	18	0.089	<20	1.16	0.074	0.08	0.2	0.02	5.7	<0.1	1.59	5	3.9	<0.2
REP 1627738	QC	0.136	3	3	0.79	17	0.089	<20	1.14	0.072	0.08	0.3	0.01	5.1	<0.1	1.58	5	3.9	<0.2
Core Reject Duplicates																			
1627717	Drill Core	0.201	3	1	1.24	9	0.066	<20	1.72	0.078	0.07	0.3	0.02	5.6	<0.1	1.26	6	5.2	<0.2
DUP 1627717	QC	0.196	3	1	1.26	9	0.064	<20	1.75	0.080	0.07	0.2	0.01	5.4	<0.1	1.28	6	6.1	<0.2
Reference Materials																			
STD DS10	Standard	0.074	14	50	0.72	382	0.064	<20	0.93	0.061	0.31	3.0	0.28	2.9	4.7	0.28	4	1.7	4.6
STD DS10	Standard	0.073	17	56	0.79	436	0.076	<20	1.03	0.066	0.34	3.6	0.30	2.7	5.3	0.30	4	2.4	5.0
STD OREAS45EA	Standard	0.029	6	830	0.09	139	0.084	<20	2.72	0.022	0.05	<0.1	0.02	74.3	<0.1	<0.05	11	<0.5	<0.2
STD OREAS45EA	Standard	0.029	7	845	0.09	148	0.092	<20	2.90	0.024	0.05	<0.1	<0.01	76.3	<0.1	<0.05	12	0.6	<0.2
STD OREAS45EA	Standard	0.027	7	842	0.10	143	0.095	<20	3.19	0.020	0.05	<0.1	0.02	78.5	<0.1	<0.05	12	1.5	<0.2
STD OXD108	Standard																		
STD OXI96	Standard																		
STD OXN117	Standard																		
STD OXD108 Expected																			
STD OXI96 Expected																			
STD OXN117 Expected																			
STD DS10 Expected		0.073	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01
STD OREAS45EA Expected		0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053			78	0.072	0.036	11.7	0.6	0.07
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1-SMI	Prep Blank	0.074	14	5	0.51	176	0.138	<20	1.04	0.114	0.52	<0.1	<0.01	2.5	0.3	<0.05	5	<0.5	<0.2



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QUALITY CONTROL REPORT

SMI1400324.1

WGHT	FA430	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca		
kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%		
0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01		
G1-SMI	Prep Blank	<0.005	<0.1	5.9	4.3	44	<0.1	2.6	4.0	539	1.86	0.6	0.8	6.0	49	<0.1	<0.1	<0.1	37	0.41	



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QUALITY CONTROL REPORT

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		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
G1-SMI	Prep Blank	0.068	13	4	0.47	153	0.117	<20	0.86	0.072	0.46	<0.1	<0.01	2.1	0.3	<0.05	4	<0.5	<0.2