

Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Prospecting, Soil & Silt Sampling

TOTAL COST: ~~\$12,395.26~~

AUTHOR(S): J. Greg Dawson, Jessica Norris

SIGNATURE(S): 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): Permit not required for nature of work

YEAR OF WORK: 2012

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): Event # 5421218 (December 10, 2012)

PROPERTY NAME: Kinaskan

CLAIM NAME(S) (on which the work was done): MOAT 1 (603629) & No Name (532832)

COMMODITIES SOUGHT: Gold, Copper

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: _____

MINING DIVISION: Liard

NTS/BCGS: NTS 104G-09

LATITUDE: 57 ° 46 ' 49 " LONGITUDE: 130 ° 16 ' 41 " (at centre of work)

OWNER(S):

1) Colorado Resources Ltd. 2) _____

MAILING ADDRESS:

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

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

1) Colorado Resources Ltd. 2) _____

MAILING ADDRESS:

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

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

Late Triassic - Early Jurassic, copper-gold porphyry

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 31739, 33023

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil 27 samples analyzed for ICP-MS and Fire Assay		603629, 532832	\$4500
Silt 6 samples analyzed for ICP-MS		603629, 532832	\$895.26
Rock 28 samples analyzed for ICP-MS and Fire Assay		603629, 532832	\$4500
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying 27 soil, 6 silt, 28 rock		603629, 532832	\$2500.00
Petrographic			
Mineralographic			
Metallurgical			
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:			\$12,395.26

2012 Geochemical Report

on the

Kinaskan Property

*Liard Mining Division,
British Columbia, Canada*

Latitude: 57° 46'49'' N (property centre)
Longitude: 130° 16'41'' W (property centre)
UTM: 423990 E 6404960 N; Zone 9, NAD 83

NTS; 104G/09

for

Colorado Resources Ltd.

110 – 2300 Carrington Road
West Kelowna, BC
Canada, V4T 2N6

by

J Greg Dawson, P.Geo.
Jessica Norris, G.I.T.

February 1st, 2013

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SUMMARY

The Kinaskan Property was staked in early 2009 to cover favorable geology for hosting copper-gold porphyry style mineralization related to Late Triassic-Early Jurassic intrusive rocks, quartz vein hosted gold-silver mineralization occurring peripheral to porphyry deposits and for gold-copper mineralization related to 180 Ma felsic intrusive rocks. The 17,322 hectare property is located in the Stikine River region of north-western British Columbia, approximately 195 km north of Stewart and 75 km south of Dease Lake. The Red Chris copper-gold porphyry deposit owned by Imperial Metals Corp. is about 29 km to the southeast while the GJ copper-gold porphyry deposit of NEX Resources Inc. is about 13 km to the south.

The property is underlain by Upper Triassic, Stuhini Group volcanic rocks and volcanoclastics intruded by numerous small, quartz deficient stocks of Late Triassic to Early Jurassic age. Sulphides with copper-gold and locally molybdenum grades are generally associated with the intrusive rocks and late quartz stockworks. Jurassic Hazelton Group volcanic rocks and volcanoclastics unconformably overlie the Stuhini volcanics. Felsic dykes and small plugs, sometimes associated with auriferous pyrite-chalcopyrite intrude the Hazelton stratigraphy in the northern portion of the property.

Exploration work of a reconnaissance nature involving silt, soil and rock sampling along with prospecting has been carried out in the area by numerous companies dating back to at least the 1960's. The only detailed exploration work in the area was carried out on the QC, copper-gold porphyry situated along the south side of Quash Creek; the Gordon Vein, a peripheral gold-silver vein system situated northwest of the QC and on Bearclaw Capital Corp.'s, Castle gold prospect located atop Castle Rock in the northeast corner of the property. There are no known mineral showings or occurrences on the Kinaskan Property itself.

More recent work, in the fall of 2009, was carried out by Brett Resources Inc. of a reconnaissance style silt sampling program that successfully identified three multi-drainage anomalies including a gold-zinc anomaly due west of the QC porphyry prospect, a gold-silver-zinc-lead anomaly centred on Coolridge Mountain to the northwest and a copper anomaly in the southeastern portion of the property. Follow-up exploration in 2010 included detailed silt sampling followed by contour soil sampling, prospecting and rock sampling was carried out over the QC West and Coolridge Mountain targets. The work yielded a number of silt, soil and rock anomalies throughout the QC West target but generally weak and scattered soil anomalies from Coolridge Mountain. In 2011, a limited prospecting and sampling program was focused over 6 km² in the west-central portion of the property, and encountered no mineralized float or outcrop and no anomalous geochemical values from soil and silt sampling.

A geological team from Colorado Resources Ltd. spent one day (August 25th, 2012) prospecting and soil/silt sampling around intrusive rocks west of the Castle minifile showing, and volcanic rocks west of the AL minifile showing. A total of 28 rock, 27 soil, and 6 silt samples were taken. Only one sample (rock) returned any significantly elevated gold and copper, reporting 99 ppb gold and 2023 ppm copper. Overall, no significant sources of copper-gold were identified.

The limited extent of sampling from the 2012 exploration program did not identify any areas of significant gold-copper potential; however, other areas of the property remain underexplored. Recommendations for future exploration efforts on the Kinaskan Property include continued silt, soil, and rock geochemical sampling in areas of previously reported elevated copper and gold values.

INTRODUCTION

In April, 2009, Brett Resources Inc. of Vancouver, B.C. staked a group of claims covering favorable geology for hosting copper-gold porphyry and disseminated and vein bearing gold deposits 13.3 km north of NGEx Resources', GJ copper-gold deposit and 29 km northwest of Imperial Metals' Red Chris deposit. Initial exploration of the large claim block in late September, 2009 identified three, multi-drainage areas yielding multi-element anomalies. A fourth area with minimal sampling of a single drainage also yielded multi-element anomalies. Follow up field work was conducted in 2010 and 2011 and consisted of prospecting, soil and silt sampling, The objective of the programs were to further evaluate and define the limits of the anomalous zones on Coolridge Mountain and QC West.

Brett Resources Inc. was acquired by Osisko Mining Corporation and in February, 2011 Colorado made an agreement with Osisko to acquire all of Brett's non-core assets, including the Kinaskan Property.

A 5 person geological team from Colorado Resources Ltd. spent one day (August 25th, 2012) prospecting and soil/silt sampling around intrusive rocks west of the Castle minfile showing, and volcanic rocks west of the AL minfile showing. The one day of fieldwork was based out of the Northway Motor Inn in Dease Lake, B.C. Helicopter support was provided by Pacific Western Helicopters of Dease Lake, B.C.

LOCATION, ACCESS, PHYSICOGRAPHY and CLIMATE

The claims are situated in the Liard Mining Division within the Stikine River region of north-western British Columbia, Canada (Figure 1). The town of Stewart is approximately 195 km south while the closest populated centre is Iskut Village, situated 18.2 km to the northeast along Highway 37. The abandoned B.C. Railway rail grade and right-of-way is located approximately 25 km east of Highway 37. The centre of the approximately 17.5 km east-west by 17.2 km north-south sized property is about 57° 46' 49'' North latitude and 130° 16' 41'' West longitude or at UTM co-ordinates 423990 East and 6404960 North (zone 9, NAD 83).

Access to the area 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 is via Pacific Western Helicopters based in Dease Lake, approximately 70 km north of the claims or via seasonal helicopter bases that are sometimes stationed at the Tatogga Lake Lodge, southeast of the property.

The Kinaskan property is centred on the northwest flowing Quash Creek with the claims covering the north and western portions of the Klastline Plateau. To the south of Quash Creek topography is rugged with

numerous deeply incised creeks flowing to the west and northeast. Elevations vary from 790 meters above sea level (asl) along the eastern shore of Nuttlude Lake in the southwest portion of the property to 2080 m asl in the west central part of the property. North of Quash Creek topography is somewhat more subdued in the area of Coolridge Mountain where north and east facing slopes extend into broad creek valleys. Further east, topography is again quite rugged with steep slopes developed along northwest, northeast and southeast trending valleys. Elevations in the northern half of the property range from 750 m asl in the extreme northwest to 2060 m asl just north of Castle Rock.

Vegetation on the property consists of relatively dense, spindly, spruce and balsam forest cover with stands of aspens and scrub conifers at the lower elevations. 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 predominate vegetation. Extensive glacial overburden covers many of the valleys in the lower portions of the property while thick scree slopes are common along the lower, steep sided slopes.

The climate in the area is northern temperate with moderately warm summers and cold dry winters. Typical daytime temperature ranges are from the mid to upper 20^os Celsius in summer and -20° to -30° Celsius in winter. Precipitation averages about 100 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 mid to late June. Cold weather, winds and snow squalls make field work difficult at the upper elevations past late September although programs have been carried out until mid-October.

CLAIM INFORMATION and OWNERSHIP

The Kinaskan Property consists of forty two (42) mineral claims covering 17,322.32 hectares centered along Quash Creek approximately 18.7 km due west of Highway 37 (Figure 2). The claims abut against NGEx Resource Corp.'s Kinaskan/GJ property to the south and against Mt. Edziza Park to the southwest. They completely surround Bearclaw Capital Corp.'s, Castle property in the northeast. The claims were staked on April 29, 2009 and are plotted on British Columbia Government claim map sheets 104G. A complete list of the claims, their size and expiry date is provided in Table 1.

Table 1. Kinaskan Property Claims

Tenure Number	Claim Name	Area (ha)	Issue Date	Expiry Date*	Mapsheet Number
603606	Nutt 1	414.73	April 29, 2009	December 14, 2013	104G-079
603607	Nutt 2	414.92	April 29, 2009	December 14, 2013	104G-079
603608	Nutt 3	432.16	April 29, 2009	December 14, 2013	104G-079
603609	Nutt 4	276.69	April 29, 2009	December 14, 2013	104G-069/079
603610	Nutt 5	432.16	April 29, 2009	December 14, 2013	104G-078/079
603611	Nutt 6	432.30	April 29, 2009	December 14, 2013	104G-068/069/078/079

603612	KAK 1	431.66	April 29, 2009	December 14, 2013	104G-079
603613	KAK 2	431.42	April 29, 2009	December 14, 2013	104G-079
603614	KAK 3	431.66	April 29, 2009	December 14, 2013	104G-078/079
603615	KAK 4	431.42	April 29, 2009	December 14, 2013	104G-078/079
603616	KAK 5	362.80	April 29, 2009	December 14, 2013	104G-078
603617	KAK 6	345.00	April 29, 2009	December 14, 2013	104G-078/079
603618	KAK 7	414.36	April 29, 2009	December 14, 2013	104G-078
603619	KAK 8	414.08	April 29, 2009	December 14, 2013	104G-078
603620	QCE 1	431.51	April 29, 2009	December 14, 2013	104G-079
603621	QCE 2	431.45	April 29, 2009	December 14, 2013	104G-079
603622	QCE 3	431.29	April 29, 2009	December 14, 2013	104G-079/089
603623	QCE 4	431.15	April 29, 2009	December 14, 2013	104G-079/089
603624	QCE 5	431.44	April 29, 2009	December 14, 2013	104G-079/080
603625	QCE 6	431.15	April 29, 2009	December 14, 2013	104G-79/080/089/090
603626	QCE 7	431.46	April 29, 2009	December 14, 2013	104G-080
603627	QCE 8	413.94	April 29, 2009	December 14, 2013	104G-080/090
603628	QCE 9	414.09	April 29, 2009	December 14, 2013	104G-080/090
603629	Moat 1	430.90	April 29, 2009	December 14, 2013	104G-089
603630	Moat 2	413.41	April 29, 2009	December 14, 2013	104G-089/090
603631	Moat 3	413.81	April 29, 2009	December 14, 2013	104G-089
603632	Moat 4	396.26	April 29, 2009	December 14, 2013	104G-090
603633	Moat 5	413.70	April 29, 2009	December 14, 2013	104G-090
603634	Moat 6	396.28	April 29, 2009	December 14, 2013	104G-089
603635	CRM 1	431.12	April 29, 2009	December 14, 2013	104G-089
603636	CRM 2	431.10	April 29, 2009	December 14, 2013	104G-089
603637	CRM 3	430.88	April 29, 2009	December 14, 2013	104G-089
603638	CRM 4	430.86	April 29, 2009	December 14, 2013	104G-089
603639	CRM 5	431.08	April 29, 2009	December 14, 2013	104G-089
603640	CRM 6	431.08	April 29, 2009	December 14, 2013	104G-088/089
603641	CRM 7	430.83	April 29, 2009	December 14, 2013	104G-089
603642	CRM 8	430.83	April 29, 2009	December 14, 2013	104G-088/089
603643	CRM 9	361.71	April 29, 2009	December 14, 2013	104G-088/089
603644	CRM 10	413.40	April 29, 2009	December 14, 2013	104G-089
603645	CRM 11	258.39	April 29, 2009	December 14, 2013	104G-089
532832	Kittov-01	431.92	April 21, 2006	December 14, 2013	104G-079
532836	Kittov-02	431.92	April 21, 2006	December 14, 2013	104J-078-079

*Pending approval of this report

Forty claims were initially staked in 2009 by Brett Resources Inc. (see Table 1). Brett Resources Inc. was acquired by Osisko Mining Corporation and in February, 2011 Colorado made an agreement with Osisko to acquire all of Brett's non-core assets, including the Kinaskan Property.

On May 9, 2011, two claims (532832 and 532836) were purchased by Colorado Resources Ltd. from Seeker Resources Corp. (Event #4861674). All forty two (42) mineral claims comprising the Kinaskan Property are currently owned 100 % by Colorado Resources Ltd. With the filing of this assessment report, all of the claims will be in good standing until December 14, 2013.

As the exploration program commissioned by Colorado Resources Ltd in 2012 was of a reconnaissance and prospecting nature and involved no physical work on the property, no work permit or reclamation bond was required or paid.

HISTORY and PREVIOUS WORK

The first recorded exploration work carried out in the region dates back to 1964 when Conwest Exploration Co. Ltd. carried out a regional evaluation of the Klastine Plateau and identified a number of porphyry copper-gold and precious metal shear-vein targets on the southern and north western portions of the plateau including the GJ and QC porphyry systems and the Horn (SF) silver prospect. The Castle Property is another gold-copper mineralized porphyry system on the Klastine Plateau. The Kinaskan Property surrounds the GJ, QC, Horn, and Castle properties to the north and west.

Government funded work in the area includes geological mapping of the Telegraph Creek, 1:250,000 map sheet by the Geological Survey of Canada (GSC Map 11-1971) in 1971 and an airborne magnetic survey between 1975 and 1978. This was followed by a regional stream silt-sampling program (carried out by the Geological Survey of Canada in 1988) and 1:50,000 scale mapping of the Tatogga Lake Area by the British Columbia Ministry of Energy, Mines and Petroleum Resources from 1994-1996 (Ash et al., 1997a, and 1997b).

Castle Property

In 1970, Sumitomo Metal Mining Canada Ltd. conducted a regional exploration program searching for copper that resulted in staking a large claim block over the northern part of the Klastine Plateau covering what is now known as the Castle mineral occurrence (minfile 104G-076). A soil geochemical survey was conducted in 1971 followed by five diamond drill holes totaling 549 meters in 1973 before the claims were allowed to lapse.

In 1980, Teck Exploration staked the Castle 1 and 2 claims to cover the Castle showing. In 1981 they carried out soil and rock sampling followed in 1985 with a more rigorous program including ground magnetic, self-potential and VLF-EM geophysical surveys hand trenching and rock chip sampling. In 1987, Teck joint ventured the project with Kappa Resource Corp. who funded a program of further soil and rock sampling along with 10.5 line km of IP and 14.5 line km of ground magnetic and self-potential geophysical surveys. As a result of the various exploration programs conducted by Teck since 1980, a strong, northwest trending, gossanous, pyritic zone up to 200 m wide and at least 1.3 km in length was identified within propylitically altered (epidote and chlorite), Hazelton Group, andesitic volcanic breccia. Geophysical surveys outlined an intense IP anomaly within the rusty coloured, highly fractured zone where significant

gold values were obtained from intensely bleached, relatively narrow structures consisting of pyrite-sericite-quartz as well as chalcopyrite bearing quartz stringers and veins. Some of the better results include 3 meters grading 8.0 g/t gold in silicified volcanic rocks, 0.4 meters grading 39.63 g/t gold, 0.3 meters grading 0.70% copper, 54.51 g/t silver and 10.15 g/t gold and a sample of massive pyrite-chalcopyrite grading 10.80 % copper, 30.85 g/t silver and 0.14 g/t gold (Konkin, 1990; Pautler, 1997; Map Place).

In 1988, Teck-Kappa carried out an 11 hole, NQ sized diamond drill program totaling 1190.2 m to test the 600 m long (NW-SE) by up to 180 m wide IP chargeability anomaly from where many of the significant gold values were previously obtained. Results of up to 9.2 meters grading 3.75 g/t gold were reported (<http://www.westcirqueresources.com/index.php/projects/british-columbia/castle>). Teck conducted several rounds of exploration work on the Castle Property until 1997. No major exploration work was conducted on the property until 2011 when Western Cirque Resources optioned the property from Bearclaw Capital Corporation (current owner). Western Cirque Resources owns (100 %) seven of the ten claims that comprise the Castle Property.

In 2011 Western Cirque Resources conducted a reconnaissance mapping and sampling program on the Castle property and identified disseminated and sheeted quartz-chalcopyrite veinlets with copper mineralization in porphyritic intrusive rocks. A grab sample from this zone, located 300 m of the easternmost 1988 Teck drillholes, returned values of 0.44 g/t gold and 0.13 % copper (West Cirque Resources, 2012a). In 2012, drilling by West Cirque Resources encountered broad zones of gold-copper mineralization in monzodiorite porphyry over a strike length of 1000 m, and remains open in all directions. A total of 6 holes were drilled for a total of 1777 m. Five of the six drillholes encountered significant mineralization, including intercepts up to 1.015 g/t gold over 34 m (CA12-05) and 0.425 g/t gold and 0.20 % copper (0.73 g/t gold equivalent) over 14 m (CA12-04; Western Cirque Resources, 2012b).

Following the release of a regional silt geochem survey by the GSC in 1988, much of the Klastline Plateau was staked by Mr. Keven Whelan as the Axe property and subsequently optioned to Ascot Resources Ltd and Dryden Resource Corp. who proceeded to carry out a detailed silt survey over the entire Klastline plateau including portions of the Kinaskan property. As a result of this work Ascot added to their holdings by staking a 20 unit claim to cover an anomalous drainage and colour anomaly about 2500 m east of the Castle showing. In 1990 and again in 1991, Ascot carried out small prospecting and geological mapping programs along with silt and contour soil sampling before allowing the claims to lapse (Mehner, 1990; Olfert, 1991).

QC - Gordon - Quash - Horn

At the QC, exploration programs including silt, soil, ground magnetic and a small amount of IP were carried out in 1965 and 1969. In 1970, Amoco optioned the project from Conwest and tested the main porphyry zone with nine, BQ sized holes (1,938.2 meters). Thick overburden prevented all but 5 holes (916.2 meters) from reaching bedrock. They averaged 0.12% copper.

Following the 1988 Geological Survey of Canada geochemical release, Teck Corporation staked the Q.C. 1 to Q.C 15 claims in the Quash Creek area (covered the QC porphyry copper target as well as ground to the north and west) and the What and Now claims over anomalous drainages 3.5 km east of the SF (Horn) silver prospect. Noranda staked the Quash property 1.2 km northeast of the What Now claims.

In 1989 Teck carried out a detailed silt geochemical survey on the What Now property and silt and soil geochemical surveys along with prospecting and rock sampling northwest of the copper zone on the Q.C. claims. Follow-up hand trenching resulted in the discovery of four vein systems that yielded values to 1.10 oz/ton Au and 6.8 oz/ton Ag over 2.8 m at Gordon's showing, about 5.5 km north-northwest of the porphyry zone (Delaney, 1988). The Q.C and What Now properties were then optioned to Triumph Resources Ltd. in 1990. They conducted silt, contour soil and rock geochemical surveys over the Q.C. porphyry target and re-sampled the vein targets to the northwest before optioning the properties to Dryden Resource Corporation in mid-1990. To satisfy option terms, Dryden carried out silt, soil and rock geochemical sampling and drilled 377.04 m in two holes within the main zone of the copper target before year end. This was followed up in 1991 with more soil, silt and rock sampling, geological mapping, 15.4 line km of magnetometer and induced polarization surveys and 546.8 m of drill testing in 3 diamond drill holes.

Also in 1991, Dryden carried out a small program on the Gordon Vein zone including detailed geological mapping and further rock and soil geochemical sampling. This was followed by drilling 174.7 m in two diamond drill holes beneath the Upper Gordon showing. Despite intersecting 19.9 g/t gold and 202 g/t silver over 2.47 m true thickness in DDH-91-4, no further testing has been reported for this part of the vein system.

In 1992 further prospecting along with rock and soil geochemical sampling were conducted about 400 m east of the Upper Gordon showing resulting in the discovery of the Oz vein showing (Tupper, 1992). Minimal time was spent partially exposing the vein by five hand dug trenches over a 35 m strike for assessment credit purposes. On the What Now property, Jericho Resources Ltd. (formerly Triumph Resources Ltd.) carried out a small soil geochemical survey along the east side of Quash Creek in 1992 to satisfy tenure requirements.

GJ

The following history of the GJ Property (to 2006) is taken from Mehner et al. (2007):

Exploration work on the GJ copper-gold porphyry mineralization dates back to 1964 when Conwest Exploration Co. Ltd. ("Conwest") first recorded doing work on the property, concentrating on the GJ zone on Groat Creek. From 1970 to 1983, when Canadian Gold Hunter first became involved in the GJ project through a predecessor company, numerous companies have explored the GJ, Donnelly (as it was then understood) and to a lesser extent, the North zones. Although encouraging drill results were obtained by earlier workers (including reported intercepts of: 100.6 metres grading 0.46 % copper, 0.95 g/t gold and 8.94 g/t silver in Amoco Canada Petroleum Co. Ltd. ("Amoco") hole 70-02 in the GJ Zone; 187.5 metres grading 0.31 % copper and 0.78 g/t gold in Texasgulf Canada Ltd. ("Texasgulf") hole 77-04/11 in the

Donnelly Zone; and 112.8 metres grading 0.15 % copper, 0.08 g/t gold and 0.64 g/t silver in Amoco hole 71-10 in the North Zone), no mineralized zones of significant size and grade were defined.

In 2000, after acquiring all the ground covering the Donnelly, GJ and North zones, Canadian Gold Hunter initiated a systematic exploration program including induced polarization geophysics (“I.P.”) and ground magnetic surveys, bedrock surface geochemical sampling, and geological mapping. By 2004, that work had outlined a broad I.P. chargeability anomaly measuring at least 4.5 km east-west by 3.3 km north-south. Within that zone, surveys outlined two significantly stronger chargeability zones with coincident magnetic highs and copper-gold bedrock geochemical anomalies. The larger was an open-ended anomaly measuring 3500 metres southeast-northwest by 1000 metres wide that encompasses both the GJ and Donnelly zones (as presently understood). The second was an 1800 metre east-west by 800 metre north-south anomaly covering the North Zone.

Diamond drill testing of these anomalies began in 2004 with ten holes, totalling 2617.2 metres testing the Donnelly Zone over a 1200 metre, east-west strike length, and a further ten holes totalling 1618.8 metres testing the North Zone over a 1000 metre east-west strike length. Diamond drilling was accelerated in 2005; a total of 14,735.4 metres in 47 holes was completed on the Donnelly and GJ zones; there were in addition 5 holes totalling 1013.4 metres drilled in the North Zone and 4 reconnaissance holes totalling 645.6 metres drilled east of the GJ Zone.

In 2006, diamond drilling was continued; 62 diamond drill holes were completed, for an aggregate of 18,132.1 metres. Of this drilling: 26 holes (9,784.7 metres) were in the Donnelly Zone; 17 holes (3,824.5 metres) were in the newly discovered North Donnelly Zone; 4 holes (923.6 metres) were split between the two zones; and the remaining drilling was on several reconnaissance targets.

In the Donnelly Zone, drill holes completed by Canadian Gold Hunter in 2004, 2005 and 2006 encountered strong disseminated and vein-hosted chalcopyrite-pyrite mineralization, yielding intercepts as long as 256.0 metres grading 0.406 % copper, 0.503 g/t gold and 2.7 g/t silver.

In 2010, NGEx Resources Inc. (formerly Canadian Gold Hunter) entered an option agreement with Teck Resources Ltd. whereby Teck has the option to earn up to a 75 % interest in NGEx Resources Inc.’s 100 % owned GJ project. In 2011, exploration included drilling of 10 diamond drill holes (total of 4,307 m) and ground geophysics including 50 line km of ground magnetics and 76.6 line km of Induced Polarization concentrated on the Donnelly and GJ Zones and a new area on the sides of the Wolf Plateau. Drill highlights from the Donnelly and North targets include: GJK-11-219 with 141.21 m of 0.38 % copper and 0.53 g/t gold plus 5.35 m of 6.82 g/t gold; GJK-11-226 with 9.60 m of 0.15 % copper and 6.64 g/t gold and GJK-11-228 with 29.15 m of 0.18 % copper and 0.39 g/t gold (NGEx Resources Inc., 2011).

At the time this report was written, no results from the 2012 exploration program have been release. However, the plans for the 2012 program were proposed to include up to 4000 m of diamond drilling, 684 line km of ZTEM airborne geophysics, geological mapping, surface geochemical sampling, and relogging of historic drillcore (NGEx Resources Inc., 2012).

Kinaskan

After staking the Kinaskan property in the spring of 2009, Brett Resources carried out a reconnaissance program of stream silt sampling with limited rock sampling and prospecting (Mehner and Travis, 2010). The program successfully identified three multi-drainage anomalies including a gold-zinc anomaly due west of the QC porphyry prospect, a gold-silver-zinc-lead anomaly over Coolridge Mountain to the northwest and a copper anomaly in the southeastern portion of the property. A single sample gold-zinc anomaly was also identified south the QC west prospect. All four anomalies were considered significant and warranted further evaluation.

In 2011, Colorado Resources Ltd purchased the claims from Brett Resources. Colorado Resources also acquired the Kittov 1, 2 from Seeker Resources Corp. to infill the claim block. Follow up field work based on the 2009 results was conducted in 2010 and 2011 and consisted of prospecting, soil and silt sampling. In 2011, the limited prospecting and sampling program was conducted, encountering no mineralized float or outcrop and no anomalous geochemical values from soil and silt sampling.

GEOLOGICAL SETTING

Regional and Property Geology

The Kinaskan Property is located in the north-eastern part of the so-called Stikine Arch, a regional structural domain within Stikinia Terrane rocks along which Late Triassic-Early Jurassic intrusive and related island arc type volcanic activity took place. The regional geology (Figure 3) as mapped by Souther (1971) and Ash (1997a) includes Upper Triassic Stuhini Group marine clastic sedimentary rocks including pelagic to fine grained wackes with minor volcanic conglomerate, limestone and mafic volcanics overlain by Lower Jurassic rocks that are correlative with the Hazelton Group. These include a lower volcanoclastic and derived epiclastic sequence of trachyandesite composition overlain by a bi-modal, basalt-ryholite suite consisting of augite-andesite flows, pillow lavas, pyroclastics and derived volcanoclastic rocks alternating with felsic flows and pyroclastics. Unconformably overlying the above units to the south are chert pebble conglomerate, grit, greywacke and siltstone of the Middle Jurassic Bowser Lake Group (Ash, 1997a).

Capping the stratigraphy at the higher elevations are Upper Tertiary, Pliocene to Recent basalt and olivine basalt flows, commonly exhibiting excellent columnar jointing. The oldest intrusive rocks in the Klastline Plateau including on the property (Figure 4) are typically fine to medium grained dykes, sills and plutons with compositions varying from diorite to monzodiorite, monzonite and syenite. A U-Pb zircon age date of 205.1 ± 8 Ma for the Groat Stock (Friedman and Ash, 1997), the largest of these intrusions on the plateau, puts the Groat Stock as Upper Triassic-Lower Jurassic and suggests it is co-genetic with the lower volcanoclastic sequence in the Hazelton Group where a U-Pb zircon date of 202.1 ± 4.2 Ma was obtained east of Highway 37 (along the Ealue Lake road).

A younger intrusive suite comprised of alkali-granite to felsite dykes that range from a few m to over a km in width are coeval with felsic volcanic rocks in the upper volcanic sequence of the Hazelton Group. U-Pb

zircon age dates (Ash et al., 1997b) for these intrusive rocks which are common south and east of Castle Rock include 180.0 +10.1/-1.0 Ma from an alkali granite dyke and 181.0 +5.9/-0.4 Ma from massive fine-grained quartz porphyritic rhyolite within the Hazelton sequence.

Regional and Property Structure

According to Ash, (1997a), rocks throughout the region are affected by large scale, open folding or warping and significant, high angle brittle faulting. The sense of regional folding is portrayed on the regional magnetics map (Figure 5).

Mapping by Olfert, (1991) in the immediate property area indicates bedding in andesitic volcanoclastic rocks varies from east-west striking with northerly dips of 45° to 50° northwest of the Tuk showing to northeast striking with similar dips north and northeast of the claim. This suggestion of a broad fold open to the north is also evident in the trace of the principal target/gossanous zone at the Castle prospect which has been traced in a southeasterly direction for about 1200 m but at the Tuk showing, 1700 m to the east, strikes in a northeasterly direction (Mehner, 2005).

Regional and Property Mineralization

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

- Red Chris, where using a 0.3 % copper-equivalent cut-off, Imperial Metals Corp. have published measured and indicated resources of 936 million tonnes grading 0.374 % copper, 0.385 g/t gold, and 1.224 g/t silver, plus inferred resources of 871 million tonnes grading 0.315 % copper, 0.349 g/t gold, and 1.138 g/t silver (Gillstrom et al., 2012).
- GJ, where at a 0.20% Cu cut-off, NEX Resources Inc. have outlined measured and indicated resources of 153.3 million tonnes averaging 0.321% copper and 0.369 g/t gold plus 23.0 million tonnes of inferred resources averaging 0.260% copper and 0.310 g/t gold (Mehner, et al., 2007).
- Galore Creek, where measured and indicated resources estimates are 286.7 million tonnes grading 0.33 % copper, 0.27 g/t gold and 3.64 g/t silver; and proven and probable reserved of 528 million tonnes grading 0.6 % copper, 0.32 g/t gold, and 6.02 g/t silver (Gill et al., 2011).

In addition, mineralization is known to occur with some of the younger, felsic intrusives where finely disseminated pyrite ± chalcopyrite with elevated gold values occurs in silicified zones within the dykes and adjacent country rocks. Showings of this type exist in the northern portions of the Klastline Plateau at the Horn, TUK and most notably the Castle prospect where a 1300 m by 200 m silicified pyritic zone has yielded 8.0 g/t gold over 3 meters in a trench and 4.46 g/t silver over 7.6 m in a drill hole (Mehner, 2005).

FIELD and LABORATORY METHODS

There are various methods and protocols by which sample material is collected. The methods by which the samples were collected during the 2012 exploration program are described below.

Silt sampling involved collecting ~500 g of fine-grained silt material from creek drainages into a poly-ore bag marked with the sample number. Sample location sites were marked with fluorescent flagging tape, labeled with the sample number. Locations of silt samples taken are presented in Appendix 2.

Soil geochemical sampling employed the use of a mattock/geotool to reach an appropriate depth in the subsurface to obtain an adequate soil sample. The “B” horizon was the target for soil samples. Soil samples were collected and stored in brown paper ‘kraft’ bags and labelled with the corresponding sample number. Sample location sites were marked with fluorescent flagging tape, labeled with the sample number. Notes associated with each sample record UTM location, and a brief description of the sample (Appendix 3). Sample locations were recorded using hand-held Garmin GPS devices.

Rock sampling involved selecting representative grab samples from outcrop and subcrop. Where possible, samples containing sulphides (pyrite) or other economic minerals were preferentially sampled. Samples were taken using a rock hammer and then placed in a poly-bag and labeled with the corresponding sample number. Sample location sites were marked with fluorescent flagging tape, labeled with the sample number. Descriptions of samples and geologic stations are presented in Appendix 4. Rock sample locations were taken using a hand-held Garmin GPS device.

All soil, silt and rock samples were analyzed for minor and trace element concentrations by inductively coupled plasma mass spectrometry (ICP-MS) for 36 elements, following a 95°C Aqua Regia digestion (see section on Sample Analysis below). Additionally, these samples underwent fire assay fusion (for Au) followed by inductively coupled plasma – emission spectroscopy (ICP-ES).

All maps in this report were prepared using ArcGIS software. Geochemical data were analyzed and graphed using Microsoft Excel. Data was transferred from Excel to ArcGIS.

SAMPLE PREPARATION, ANALYSIS, and SECURITY

Colorado Resources Ltd. utilizes 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. A company seeking accreditation must implement and maintain a quality assurance system that is compliant with the applicable models (i.e. ISO 9001, 9002 or 9003).

Sample Preparation

All sample preparation was conducted by Acme Analytical Laboratories Ltd. at the preparation facilities in Whitehorse, Yukon. Sample preparation of soil and silt samples involved drying at 60 °C and sieving to a minus 80 mesh to produce a <0.177 mm fraction for analysis (Acme Preparation Code SS80). Surface rock

samples (250 g) were crushed, split and pulverized to produce a minus 200 mesh sample (Acme Preparation Code R200-250).

Sample Analysis

Assay sample analyses were conducted by Acme Analytical Laboratories Ltd. in Vancouver, British Columbia. Soil and silt sample splits of 0.5 g were leached in hot (95°C) Aqua Regia and analyzed by ICP-MS (Acme Analysis Code 1DX1). Pulp and reject material (30 g) from all soil and silt samples were also analyzed by fire assay fusion (for Au) followed by ICP-ES (Acme Analysis Code 3B01). Rock sample splits of 0.5 g were leached in hot (95°C) Aqua Regia and analyzed by ICP-MS (Acme Analysis Code 1DX1). Additionally, 30 g of the rock samples were analyzed by fire assay fusion (for Au) followed by ICP-ES (Acme Analysis Code 3B01).

Sample Security

After collection all soil, silt and rock samples were stored at the Colorado camp located at the Northway Motor Inn in Dease Lake or at the Tatogga Lake Resort (the base for a subsequent exploration program). Samples were placed in sealed and labeled rice bags, and were then transported by truck to the Acme Analytical Laboratories Ltd. preparation facility in Whitehorse, Yukon. At all times the samples were under complete control of Colorado employees or contactors. The assay laboratory catalogues all samples and assures a complete chain of custody of each sample through the analytical process.

2012 EXPLORATION PROGRAM

The 2012 exploration program was carried out on August 25th, 2012 by a 5 person geological team from Colorado Resources Ltd. Exploration included prospecting and soil/silt sampling around intrusive rocks west of the Castle minfile showing, and volcanic rocks west of the AL minfile showing. A total of 28 rock, 27 soil, and 6 silt samples were taken.

Silt Sampling and Geochemistry

A total of 6 silt samples were collected from drainages incised into locally chlorite-epidote altered lower Jurassic to upper Triassic andesitic volcanic breccia and conglomerates, west of the AL minfile occurrence. The objective of the silt sampling program was to assess the potential for copper-gold mineralization in the nearby rocks. Typically samples were obtained where relatively finer sized material could be obtained. Approximately 500 g of material was collected in a ploy-ore sample bag. A map of silt sample location sites is presented in Figure 6. A list of silt sample locations is presented as Appendix 2, and assay certificates for silt and soil samples are presented as Appendix 5.

Only a few silt samples reported elevated gold and copper values (Table 2; Figures 7 and 8) and are not considered highly anomalous compared to other values in the area.

Table 2. Select Silt Sample Results with Elevated Gold and Copper Values

Sample Number	Au (ppb)	Cu (ppm)
1554068	149	126
1554283	67	119.5
1554074	62	118.3

Soil Sampling and Geochemistry

A total of 27 soil samples were taken on the Kinaskan property. Two samples were taken west of the AL minifile occurrence, and 25 samples were taken at 50 m spacing west of the Castle minifile occurrence. The objective of the soil sampling program was to assess the potential for copper-gold mineralization underlying the area. A map of soil sample location sites is presented in Figure 6. A list of soil sample locations is presented as Appendix 3, and assay certificates for silt and soil samples are presented as Appendix 5.

Only a few soil samples reported elevated gold and copper values (Table 3; Figures 7 and 8) and are not considered highly anomalous compared to other values in the area.

Table 3. Select Soil Sample Results with Elevated Gold and Copper Values

Sample Number	Au (ppb)	Cu (ppm)
1554052	69	104.4
1554291	66	140.1
1554051	48	122.5

Rock Sampling/Prospecting and Geochemistry

A total of 28 rock samples were taken on the Kinaskan Property, around the intrusion and volcanic rocks west of the Castle minifile occurrence, and of the andesitic volcanic breccia and conglomerates west of the AL minifile occurrence. The objective of the prospecting was to assess the copper-gold mineralization potential of the outcropping rock units. Rock grab samples of outcrop and subcrop were collected and preferentially sampled for specimens containing visible sulphide minerals (pyrite) or other economic minerals, where possible. A map of rock sample location sites is presented in Figure 6. A list of rock sample locations is presented as Appendix 4, and assay certificates for rock samples are presented as Appendix 6.

Only a few rock samples reported elevated gold and copper values (Table 4; Figures 7 and 8). The highest values were sampled from a rusty boulder with quartz veins and 3-5 % pyrite ± chalcopyrite ± malachite ± arsenopyrite which reported 99 ppb gold and 2023 ppm copper.

Table 4. Select Rock Sample Results with Elevated Gold and Copper Values

Sample Number	Au (ppb)	Cu (ppm)
1554167	99	2023.1
1554166	82	21.8
1554072	28	596.6

DISCUSSION and CONCLUSIONS

Only a few samples reported slightly elevated gold and copper geochemical values from silt, soil, and rock samples. The highest reported values came from a rock sample containing 99 ppb gold and 2031 ppm copper. Overall the results from the silt, soil, and geochemical survey from the 2012 exploration at the Kinaskan Property did not report any significant sources of copper-gold mineralization. The one mineralized rock sample from 2012 was reported to be a boulder and may not be sourced from within the Kinaskan Property.

RECOMMENDATIONS

The limited extent of sampling from the 2012 exploration program did not identify any areas of significant gold-copper potential; however, other areas of the property remain underexplored. Recommendations for future exploration efforts on the Kinaskan Property include continued silt, soil, and rock geochemical sampling in areas of previously reported elevated copper and gold values.

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COST STATEMENT

For Work on the Kinaskan Property carried out on August 25th, 2012.

Salaries

Adam Travis (Geologist).....	1 mandays @ \$ 750/day	\$ 750.00
Jim Oliver (Geologist)	1 mandays @ \$ 900/day	\$ 900.00
Greg Dawson (Geologist).....	1 mandays @ \$ 750/day	\$ 750.00
Jessica Norris (Geologist).....	1 mandays @ \$ 550/day	\$ 550.00
Mark Roden (Prospector).....	1 mandays @ \$ 500/day	\$ 500.00
	Total	\$ 3450.00

Accommodation & Food

Field crew – Northway Motor Inn, Dease Lake	5 mandays@ \$120/day.....	\$ 600.00
Field crew – Food	5 mandays @ \$50/day.....	\$250.00
	Total	\$ 850.00

Geochemistry

Rock Samples: Acme Labs Preparation (R200-250) 28 @ \$7.20.....	\$ 201.60	
Acme Labs 36 element ICP (1DX1): 28 @ \$15.75.....	\$ 469.00	
Acme Labs Fire Assay for Gold (3B01): 28 @ \$16.00.....	\$ 448.00	
Soil Samples: Acme Labs Preparation (SS80): 27 @ \$2.35.....	\$ 63.45	
Acme Labs 36 element ICP (1DX1): 27 @ \$15.75.....	\$ 425.25	
Acme Labs Fire Assay for Gold (3B01): 27 @ \$16.00.....	\$ 432.00	
Silt Samples: Acme Labs Preparation (SS80): 6 @ \$2.35.....	\$ 14.10	
Acme Labs 36 element ICP (1DX1): 6 @ \$15.75.....	\$ 94.50	
Acme Labs Fire Assay for Gold (3B01): 6 @ \$16.00.....	\$ 96.00	
	Total	\$ 2243.90

Transportation

1 Minivan (Driving Force, Whitehorse)	4 days @ \$100/day.....	\$ 400.00
Fuel.....		\$ 250.00
Helicopter...(Pacific Western Helicopters, Dease Lake).....		\$ 3751.36
	Total	\$ 4401.36

Miscellaneous

Field Equipment, groceries, sample bags, flagging.....	Total.....	\$ 100.00
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Report Writing

J. Norris (report writing).....	2 days @ \$550/day.....	\$ 1100.00
A. Jacobs (map generation).....	5 hours @ \$50/hour.....	\$ 250.00
	Total	\$ 1350.00

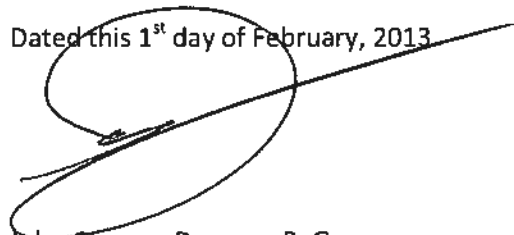
Grand Total \$ 12,395.26

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 25 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 1st day of February, 2013

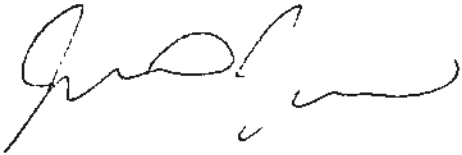
A handwritten signature in black ink, consisting of a large, stylized loop followed by a horizontal stroke and a vertical stroke, crossing the horizontal stroke.

John Gregory Dawson, P. Geo.

I, Jessica Rose Norris, do hereby declare that:

1. I am currently acting as Project Geologist 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 Alberta in 2006 and a Master of Science degree from the University of British Columbia in 2012.
3. I am a Geologist in Training with the Association of Professional Engineers and Geoscientists of Alberta, member #80247.
4. 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.
5. I am not independent of the issuer applying all tests in Section 1.5 of NI 43-101 in that I am an Employee of Colorado Resources Ltd. and hold share options in the Company.

Dated this 1st day of February, 2013

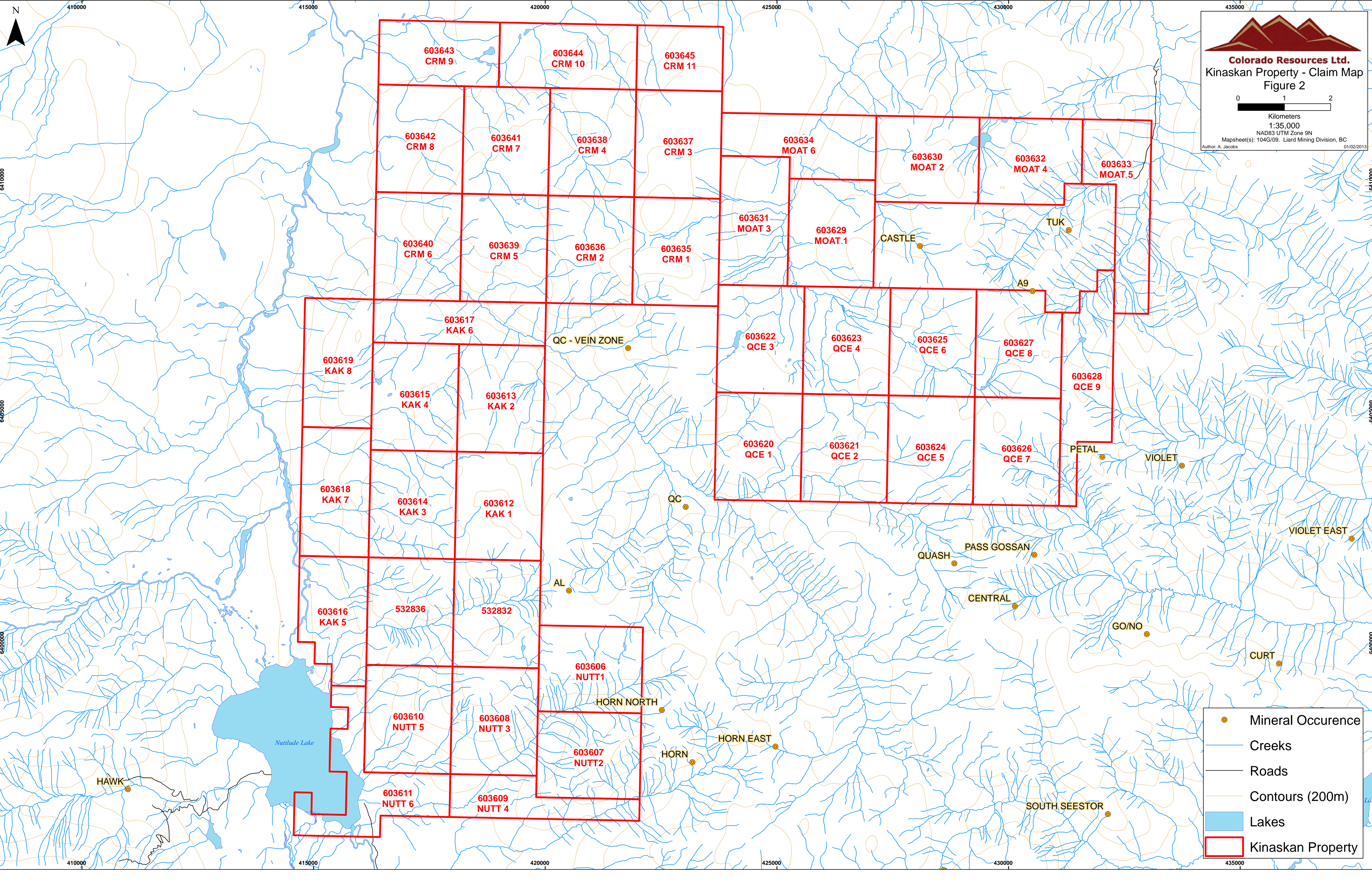
A handwritten signature in black ink, appearing to read 'Jessica Rose Norris', written in a cursive style.

Jessica Rose Norris, G.I.T.

Appendix 1

Figures 1-8





Colorado Resources Ltd.
 Kinaskan Property - Claim Map
 Figure 2

0 1 2
 Kilometers
 1:35,000
 NAD83 UTM Zone 9N
 Mapsheet(s): 104G/09. Liard Mining Division, BC
 Author: A. Jacobs 01/02/2013

- Mineral Occurrence
- Creeks
- Roads
- Contours (200m)
- Lakes
- Kinaskan Property

603643 CRM 9 603644 CRM 10 603645 CRM 11

603642 CRM 8 603641 CRM 7 603638 CRM 4 603637 CRM 3

603634 MOAT 6 603630 MOAT 2 603632 MOAT 4 603633 MOAT 5

603640 CRM 6 603639 CRM 5 603636 CRM 2 603635 CRM 1

603631 MOAT 3 603629 MOAT 1

603617 KAK 6 QC - VEIN ZONE

603619 KAK 8 603622 QCE 3 603623 QCE 4 603625 QCE 6 603627 QCE 8

603615 KAK 4 603613 KAK 2

603628 QCE 9

603618 KAK 7 603614 KAK 3 603612 KAK 1

603620 QCE 1 603621 QCE 2 603624 QCE 5 603626 QCE 7

603616 KAK 5 532836 532832

603606 NUTT1

603610 NUTT 5 603608 NUTT 3

603607 NUTT2

603611 NUTT 6 603609 NUTT 4

CASTLE TUK A9

PETAL VIOLET VIOLET EAST

QUASH PASS GOSSAN

CENTRAL GO/NO

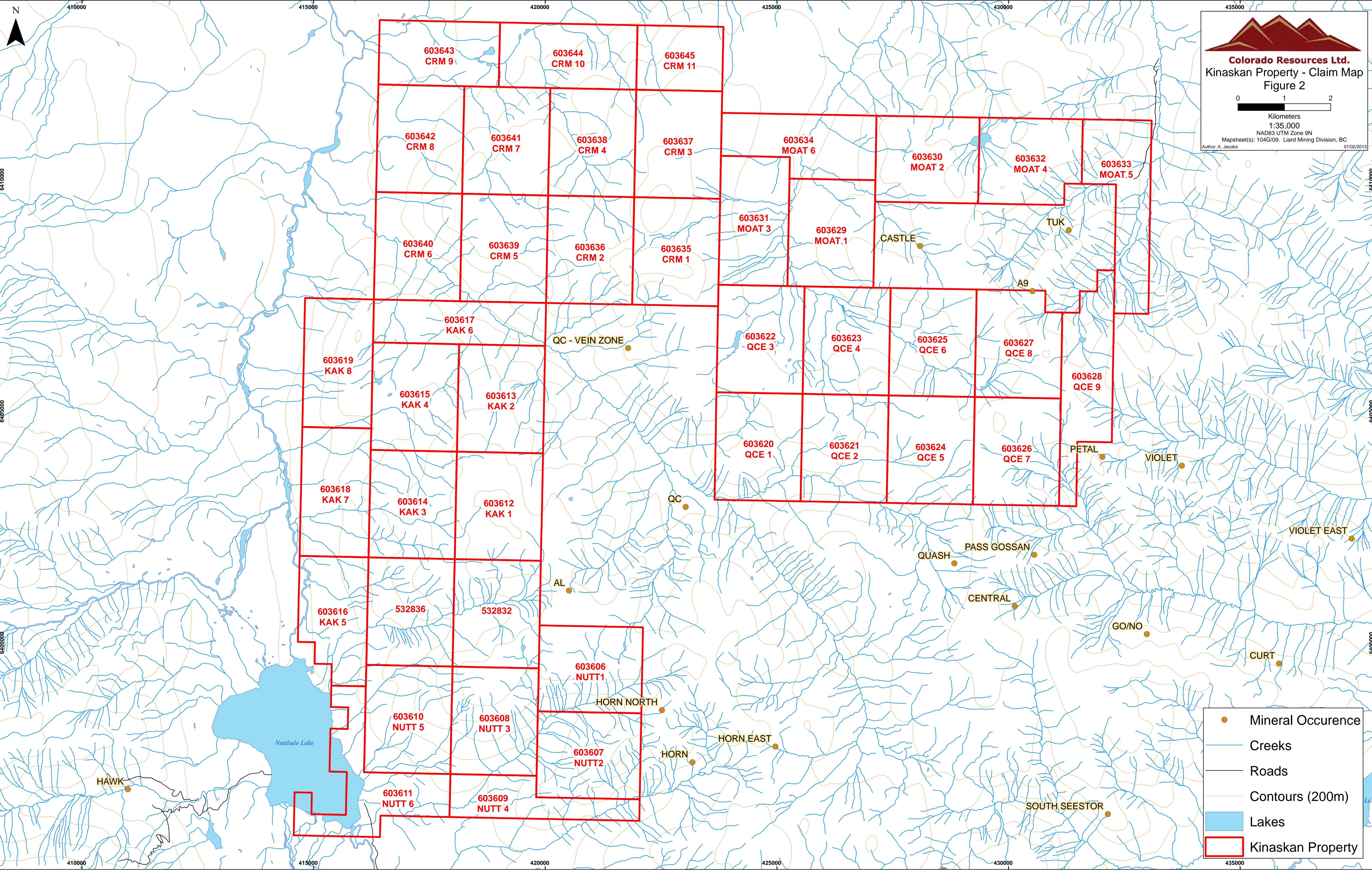
CURT


SOUTH SEESTOR

HORN NORTH HORN HORN EAST

HAWK








Nutlud Lake

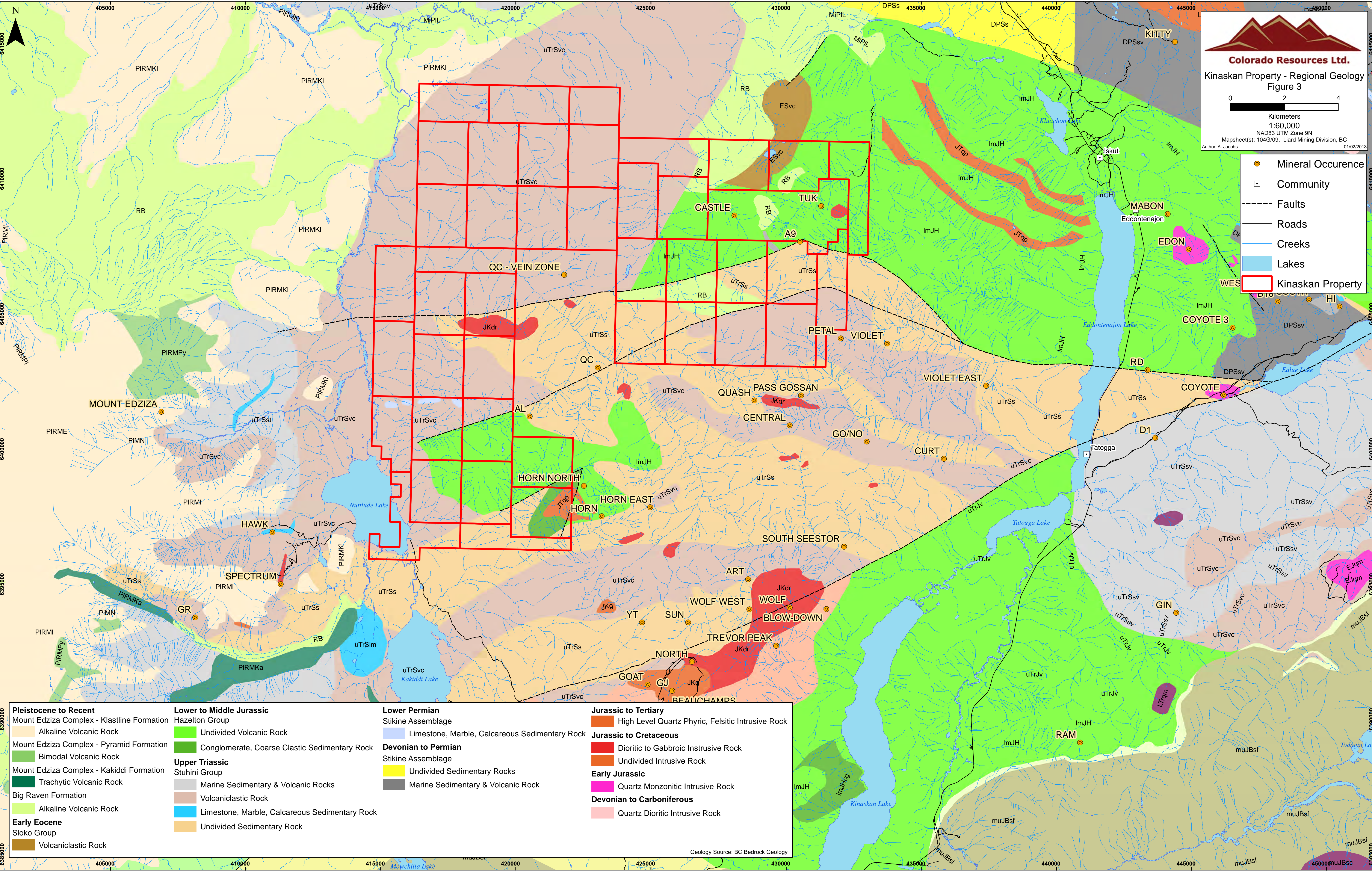
















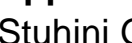















Colorado Resources Ltd.
Kinaskan Property - Regional Geology
Figure 3


0 2 4
Kilometers
1:60,000
NAD83 UTM Zone 9N
Mapsheet(s): 104G/09, Liard Mining Division, BC
Author: A. Jacobs 01/02/2013

-  Mineral Occurrence
-  Community
-  Faults
-  Roads
-  Creeks
-  Lakes
-  Kinaskan Property














<p>Pleistocene to Recent</p> <ul style="list-style-type: none">  Mount Edziza Complex - Klastline Formation  Alkaline Volcanic Rock  Mount Edziza Complex - Pyramid Formation  Bimodal Volcanic Rock  Mount Edziza Complex - Kakiddi Formation  Trachytic Volcanic Rock  Big Raven Formation  Alkaline Volcanic Rock Early Eocene  Sloko Group  Volcaniclastic Rock 	<p>Lower to Middle Jurassic</p> <ul style="list-style-type: none">  Hazelton Group  Undivided Volcanic Rock  Conglomerate, Coarse Clastic Sedimentary Rock Upper Triassic  Stuhini Group  Marine Sedimentary & Volcanic Rocks  Volcaniclastic Rock  Limestone, Marble, Calcareous Sedimentary Rock  Undivided Sedimentary Rock 	<p>Lower Permian</p> <ul style="list-style-type: none">  Stikine Assemblage  Limestone, Marble, Calcareous Sedimentary Rock Devonian to Permian  Stikine Assemblage  Undivided Sedimentary Rocks  Marine Sedimentary & Volcanic Rock 	<p>Jurassic to Tertiary</p> <ul style="list-style-type: none">  High Level Quartz Phyrlic, Felsitic Intrusive Rock Jurassic to Cretaceous  Dioritic to Gabbroic Intrusive Rock  Undivided Intrusive Rock Early Jurassic  Quartz Monzonitic Intrusive Rock Devonian to Carboniferous  Quartz Dioritic Intrusive Rock
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Geology Source: BC Bedrock Geology

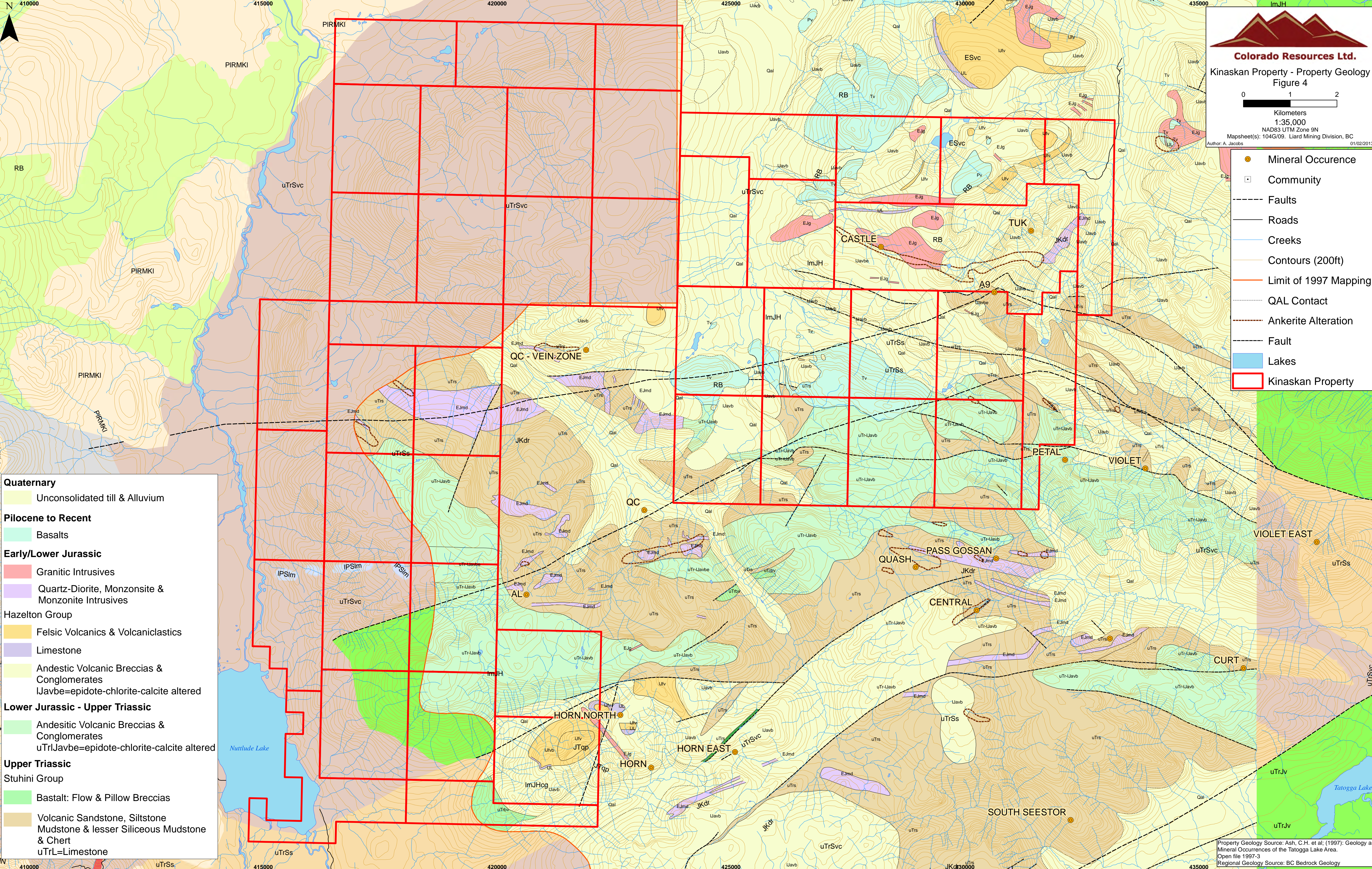


Colorado Resources Ltd.
Kinaskan Property - Property Geology
Figure 4


0 1 2
Kilometers
1:35,000
NAD83 UTM Zone 9N
Mapsheet(s): 104G/09. Liard Mining Division, BC
Author: A. Jacobs 01/02/2013

-  Mineral Occurrence
-  Community
-  Faults
-  Roads
-  Creeks
-  Contours (200ft)
-  Limit of 1997 Mapping
-  QAL Contact
-  Ankerite Alteration
-  Fault
-  Lakes
-  Kinaskan Property

- Quaternary**
-  Unconsolidated till & Alluvium
- Pliocene to Recent**
-  Basalts
- Early/Lower Jurassic**
-  Granitic Intrusives
 -  Quartz-Diorite, Monzonite & Monzonite Intrusives
- Hazelton Group**
-  Felsic Volcanics & Volcaniclastics
 -  Limestone
 -  Andestic Volcanic Breccias & Conglomerates
Ijavbe=epidote-chlorite-calcite altered
- Lower Jurassic - Upper Triassic**
-  Andestic Volcanic Breccias & Conglomerates
uTrIjavbe=epidote-chlorite-calcite altered
- Upper Triassic**
- Stuhini Group**
-  Bastalt: Flow & Pillow Breccias
 -  Volcanic Sandstone, Siltstone
Mudstone & lesser Siliceous Mudstone & Chert
uTrL=Limestone



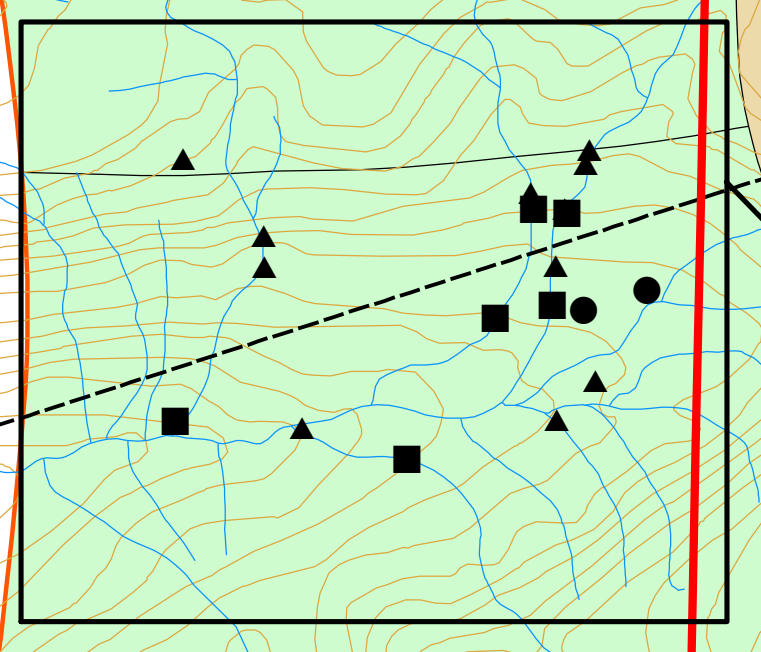
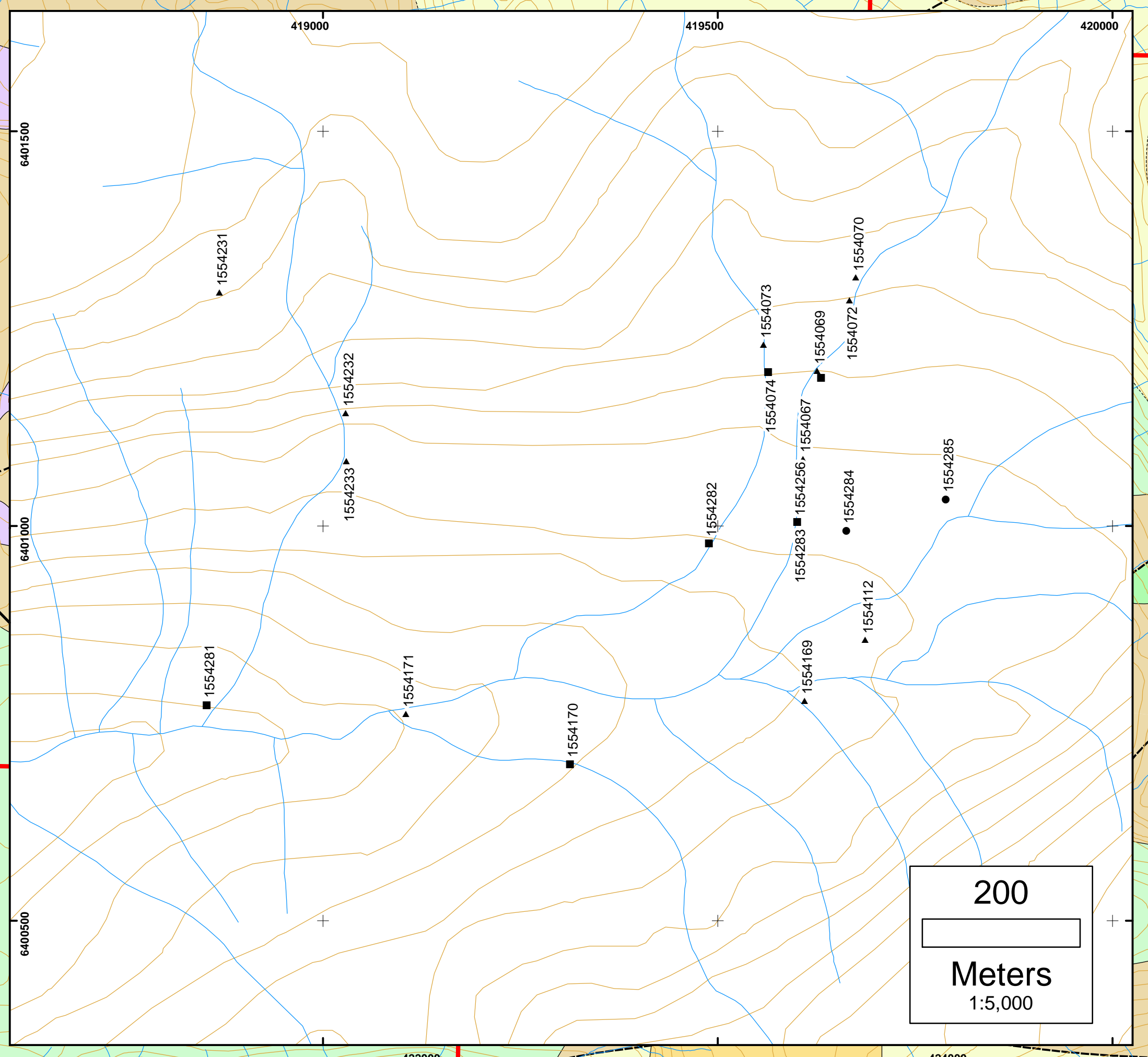
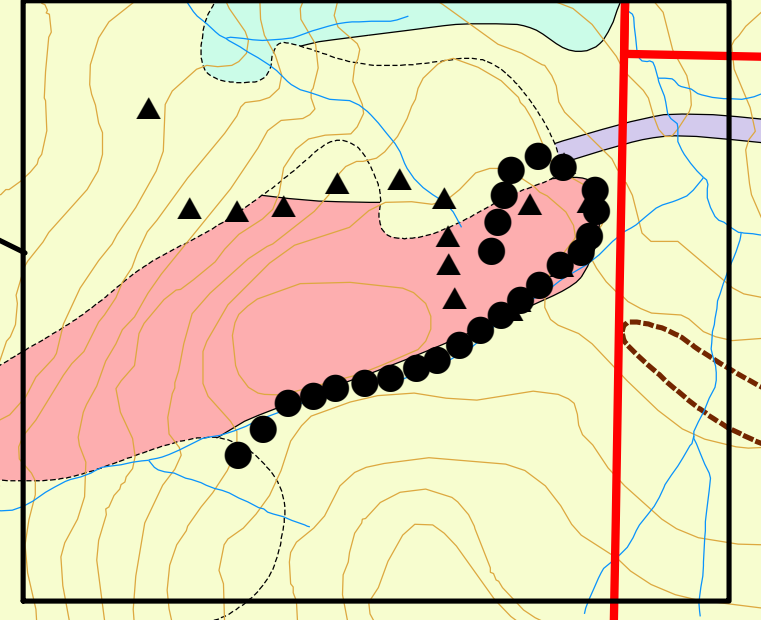
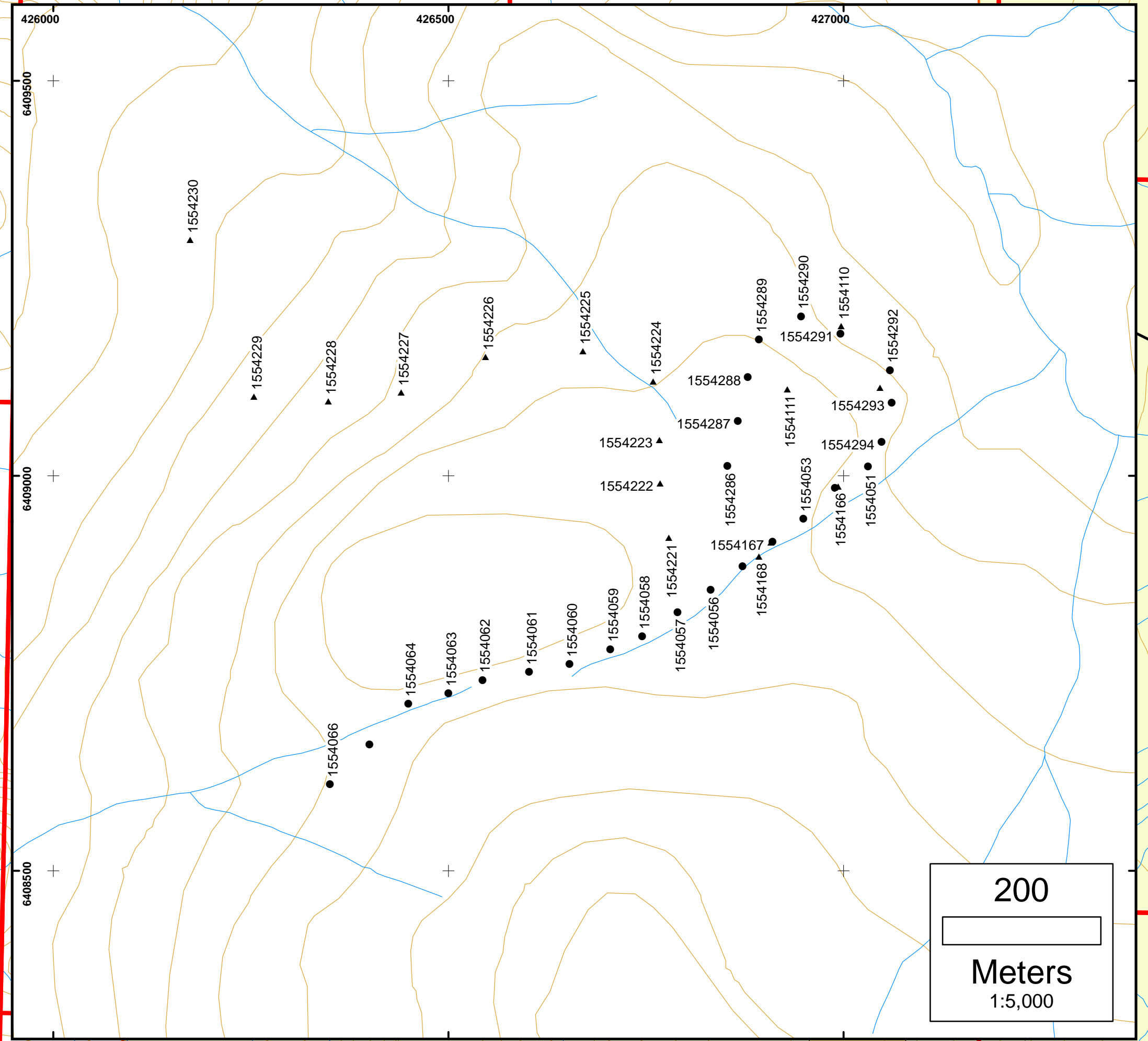
Property Geology Source: Ash, C.H. et al; (1997): Geology and Mineral Occurrences of the Tatogga Lake Area. Open file 1997-3
Regional Geology Source: BC Bedrock Geology



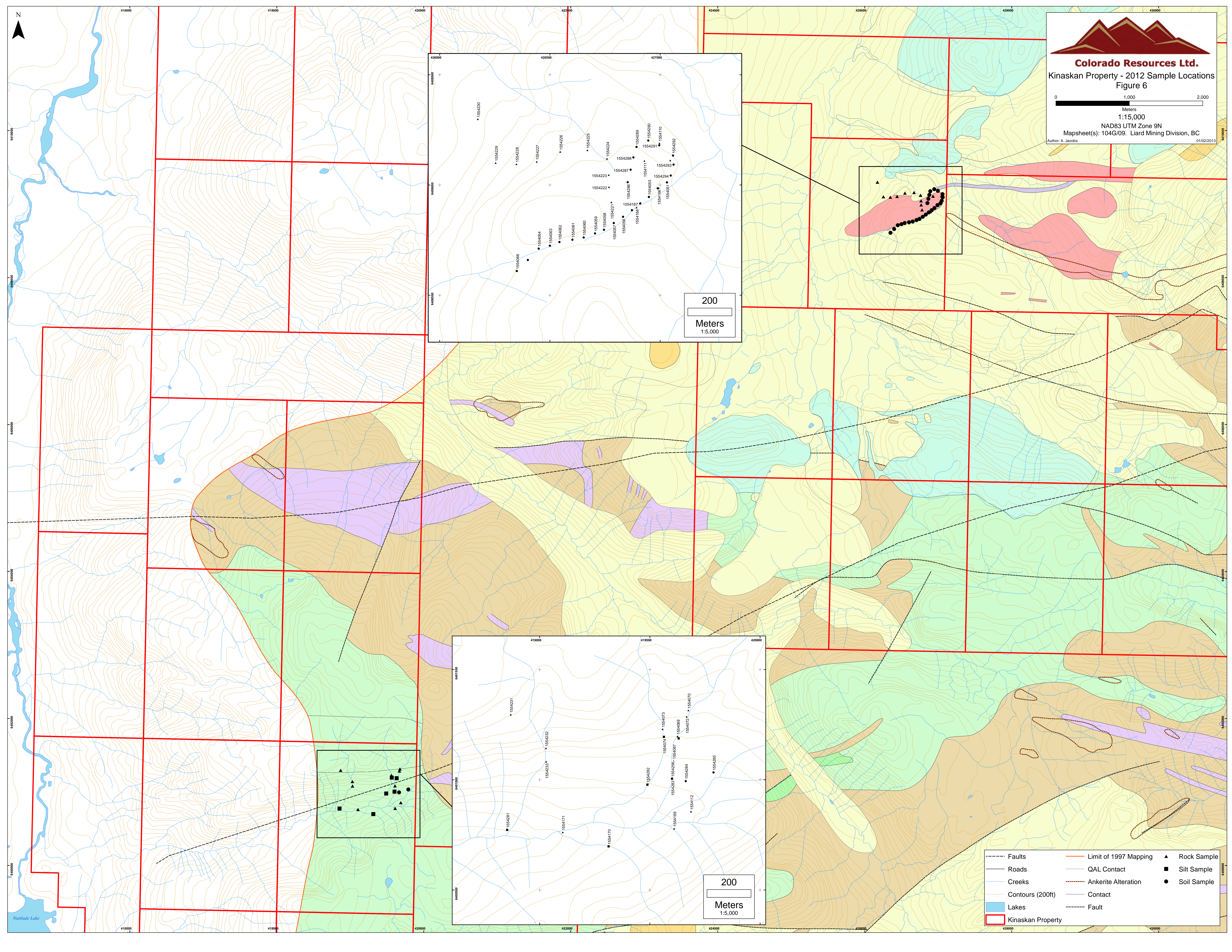
Colorado Resources Ltd.
 Kinaskan Property - 2012 Sample Locations
 Figure 6

0 1,000 2,000
 Meters

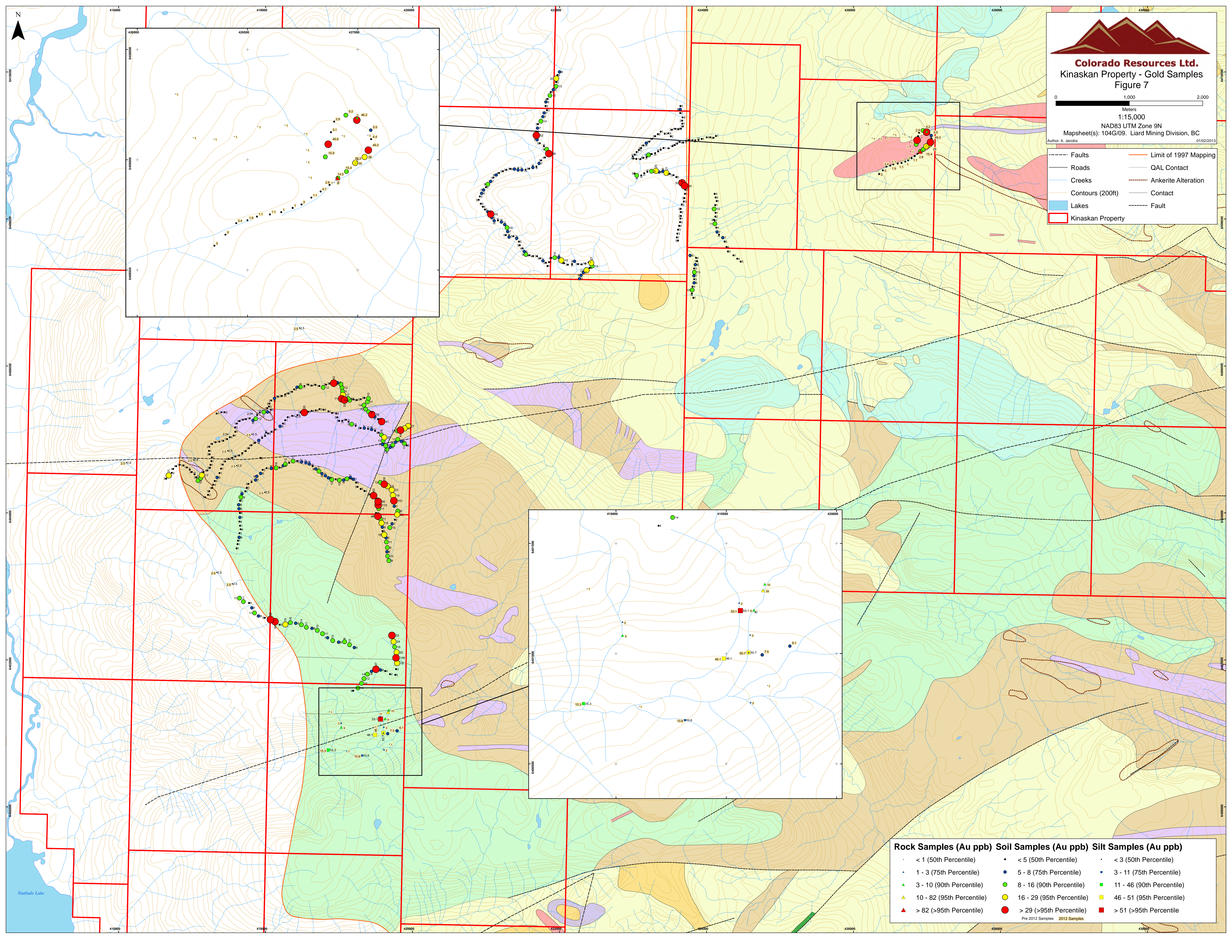
1:15,000
 NAD83 UTM Zone 9N
 Mapsheet(s): 104G/09. Liard Mining Division, BC
 Author: A. Jacobs 01/02/2013



- Faults
- Roads
- Creeks
- Contours (200ft)
- Lakes
- Kinaskan Property
- Limit of 1997 Mapping
- QAL Contact
- Ankerite Alteration
- Contact
- Fault
- ▲ Rock Sample
- Silt Sample
- Soil Sample

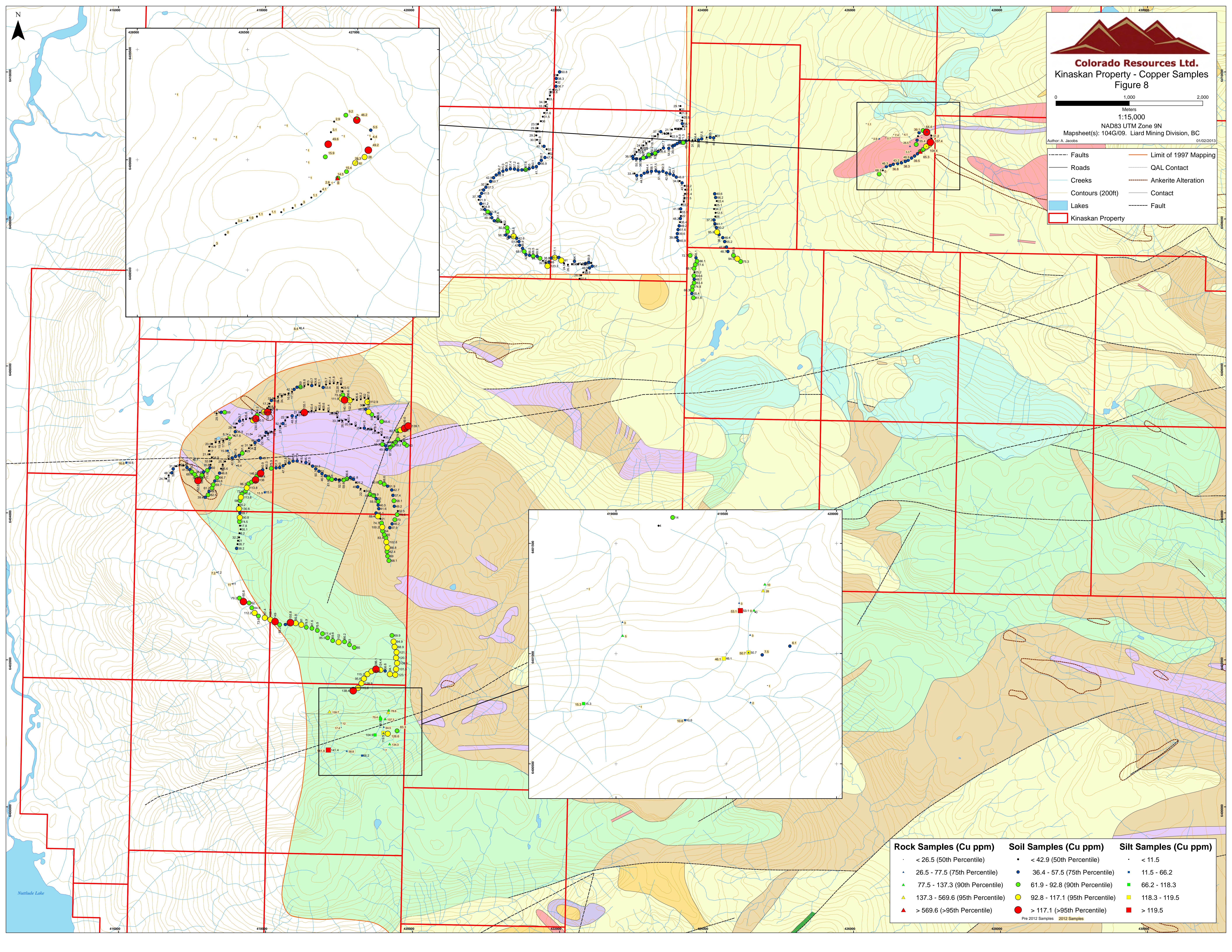


- Faults
- Roads
- Creeks
- Contours (200ft)
- Lakes
- Kinaskan Property
- Limit of 1997 Mapping
- QAL Contact
- Ankerite Alteration
- Contact
- Fault



Rock Samples (Au ppb)		Soil Samples (Au ppb)		Silt Samples (Au ppb)	
•	< 1 (50th Percentile)	•	< 5 (50th Percentile)	•	< 3 (50th Percentile)
▲	1 - 3 (75th Percentile)	●	5 - 8 (75th Percentile)	■	3 - 11 (75th Percentile)
▲	3 - 10 (90th Percentile)	●	8 - 16 (90th Percentile)	■	11 - 46 (90th Percentile)
▲	10 - 82 (95th Percentile)	●	16 - 29 (95th Percentile)	■	46 - 51 (95th Percentile)
▲	> 82 (>95th Percentile)	●	> 29 (>95th Percentile)	■	> 51 (>95th Percentile)
			Pre 2012 Samples		2012 Samples

- Faults
- Roads
- Creeks
- Contours (200ft)
- Lakes
- Kinaskan Property
- Limit of 1997 Mapping
- QAL Contact
- Ankerite Alteration
- Contact
- Fault



Rock Samples (Cu ppm)	Soil Samples (Cu ppm)	Silt Samples (Cu ppm)
• < 26.5 (50th Percentile)	• < 42.9 (50th Percentile)	• < 11.5
• 26.5 - 77.5 (75th Percentile)	• 36.4 - 57.5 (75th Percentile)	• 11.5 - 66.2
• 77.5 - 137.3 (90th Percentile)	• 61.9 - 92.8 (90th Percentile)	• 66.2 - 118.3
• 137.3 - 569.6 (95th Percentile)	• 92.8 - 117.1 (95th Percentile)	• 118.3 - 119.5
• > 569.6 (>95th Percentile)	• > 117.1 (>95th Percentile)	• > 119.5
	● Pre 2012 Samples	● 2012 Samples

Appendix 2

Silt Sample List and Notes

Appendix 2 - Silt Sample List - 2012 Kinaskan Assessment Report

Sample ID	Easting	Northing	Elev_m	Date	Prospector	Description
1554068	419631	6401188	1653	25-Aug-12	MR	
1554074	419564	6401195	1657	25-Aug-12	MR	
1554170	419313	6400698	1549	25-Aug-12	AT	
1554283	419601	6401005	1614	25-Aug-12	GD	
1554282	419489	6400978	1603	25-Aug-12	GD	
1554281	418853	6400773	1476	25-Aug-12	GD	

Appendix 3

Soil Sample List and Notes

Appendix 3 - Soil Sample List - 2012 Kinaskan Assessment Report

Sample	Easting	Northing	Elev_m	Date	Prospector	Description
1554051	427031	6409012	1711	25-Aug-12	MR	Sandy, brown till
1554052	426989	6408985	1722	25-Aug-12	MR	Sandy, brown till
1554053	426949	6408946	1731	25-Aug-12	MR	Sandy, brown till
1554054	426910	6408917	1735	25-Aug-12	MR	Sandy, brown till
1554055	426872	6408886	1742	25-Aug-12	MR	Sandy, brown till
1554056	426832	6408856	1748	25-Aug-12	MR	Sandy, brown till
1554057	426790	6408828	1752	25-Aug-12	MR	Sandy, brown till
1554058	426745	6408797	1756	25-Aug-12	MR	Sandy, brown till
1554059	426705	6408781	1760	25-Aug-12	MR	Sandy, brown till
1554060	426653	6408762	1761	25-Aug-12	MR	Sandy, brown till
1554061	426602	6408752	1761	25-Aug-12	MR	Sandy, brown till
1554062	426543	6408742	1761	25-Aug-12	MR	Sandy, brown till
1554063	426500	608725	1760	25-Aug-12	MR	coordinates approximated
1554064	426449	6408712	1753	25-Aug-12	MR	Sandy, brown till
1554065	426400	6408660	1775	25-Aug-12	MR	Sandy, brown till
1554066	426350	6408610	1800	25-Aug-12	MR	Sandy, brown till
1554294	427048	6409043	1712.2	25-Aug-12	GD	
1554293	427061	6409093	1714.4	25-Aug-12	GD	
1554292	427059	6409134	1719.2	25-Aug-12	GD	
1554291	426996	6409180	1731.7	25-Aug-12	GD	
1554290	426946	6409202	1737.7	25-Aug-12	GD	
1554289	426893	6409173	1745.4	25-Aug-12	GD	
1554288	426879	6409125	1751.6	25-Aug-12	GD	
1554287	426866	6409070	1757.9	25-Aug-12	GD	
1554286					GD	
1554285	419789	6401034	1633.2	25-Aug-12	GD	
1554284	419663	6400994	1619	25-Aug-12	GD	

Appendix 4

Rock Sample List and Notes

Appendix 4 - Rock Sample List -2012 Kinaskan Assessment Report

Sample	Easting	Northing	Elevation_m	Prospector	Description
1554221	426779	6408922	1764	JO	SI .236; modest fec alter, probable f.g. Hazelton quartzitic siltite, rubble
1554222	426768	6408991	1754	JO	QM weak alteration, SI 1.37; trace py, chlorite - hematite weak, rubble
1554223	426767	6409046	1749	JO	QM weak alteration, SI .021; trace py, chlorite - hematite weak, rubble
1554224	426759	6409120	1740	JO	possible Tertiary sub areal volcanic felsenmeer
1554225	426670	6409158	1728	JO	possible Tertiary sub areal volcanic felsenmeer, SI 6.13; crystal tuff protolith
1554226	426547	6409151	1718	JO	Tertiary sub-areal volcanic, strong hematitic matrix; SI 0.078
1554227	426440	6409106	1686	JO	QM, blurred pinkish matrix, no sulphides; SI .221
1554228	426348	6409095	1654	JO	QM, crowded plagio matrix, trace epi +/- KF
1554229	426254	6409101	1622	JO	fine grained pale pink matrix, siliceous Hazelton (?) sediment, SI 0.683, no sulphides no hydrotherm alter
1554230	426173	6409299	1581	JO	not significantly altered pale pink matrix, fine grained siliceous siltite, Hazelton; SI 0.256
1554231	418869	6401296	1761	JO	fec altered fine grained clastics, subvertical north striking structural zone; no intact sulphides, SI 0.123
1554232	419029	6401143	1630	JO	fec altered fine grained clastics, well bedded siltstones and calcareous shales, So 342/64, SI 0.074
1554233	419030	6401082	1607	JO	fec altered fine grained clastics, well bedded siltstones and calcareous shales, So 202/42; , SI 0.254; fold rep
1554109	427046	6409112	1728	JN	Outcrop. Brown-beige, massive, quartz-rich rock. Volcanic? Minor possible chlorite on fractures.
1554110	426997	6409190	1727	JN	Subcrop-float. Fine-grained green (volcanic?). Chlorite altered. Local 2-3mm carbonate (calcite?) veinlets.
1554111	426929	6409110	1757	JN	Float. Rounded 15x15cm cobble with orange fe-oxide on surface. Grey-green chlorite-sericite altered intrusive (?) with trace very fine-grained pyrite.
1554112	419687	6400856	1609	JN	Float. Dark green fine to medium grained volcanic. Chlorite altered (?) 2-3mm calcite veinlets +/- red-purple hematite. Trace very fine grained pyrite.
1554067	419608	6401085	1632	MR	AL. Composite quartz veinlets in iron carbonate, 2mm in creek gully.
1554069	419626	6401197	1659	MR	Grab outcrop. Quartz vein? 30-40cm. Strikes 120-300 degrees. Rusty, no visible sulphides.
1554070	419675	6401315	1682	MR	Grab outcrop. Bedded limey sandstone with quartz veinlets.
1554072	419667	6401286	1678	MR	Grab outcrop. Rusty, dirty, limey sandstone with calcite and quartz veinlets. Manganese oxide.
1554073	419558	6401230	1668	MR	Grab outcrop. Rusty, limey, caliche, black.

Appendix 4 - Rock Sample List -2012 Kinaskan Assessment Report

Sample	Easting	Northing	Elevation_m	Prospector	Description
1554166	426993	6408987	1721	MR	Float. Quartz-sericite-pyrite altered intrusive. 5m from soil.
1554167	426908	6408916	1735	MR	20cm ² quartz vein boulder. Rusty, 3-5% pyrite, chalcopyrite? Malachite, arsenopyrite.
1554168	426893	6408898	1740	MR	Quartz veined float. 30x60cm, intrusive fragments inside, multi-episodic.
1554169	419610	6400779	1594	AT	Float, mafic volcanic with carbonate veining and manganese. Trace pyrite.
1554171	419105	6400762	1504	AT	Grab. Iron-carbonate altered tuff in creek.
1554256	419601	6401005	1614.4	GD	angular boulder of conglomerate in creek with barite (?) vein

Appendix 5

Silt and Soil Sample Assay Certificates



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Colorado Resources Ltd.

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

Submitted By: Greg Dawson
Receiving Lab: Canada-Whitehorse
Received: August 29, 2012
Report Date: October 23, 2012
Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI12000791.2

CLIENT JOB INFORMATION

Project: North_Rok
Shipment ID:
P.O. Number
Number of Samples: 145

SAMPLE DISPOSAL

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

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

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

CC: Linda Dandy
Jessica Norris
Allan Jacobs

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include methods like Dry at 60C, SS80, 1DX2, and 3B01.

ADDITIONAL COMMENTS

Version 2: 3B01 included.



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.



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

Project: North_Rok
 Report Date: October 23, 2012

Page: 2 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000791.2

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			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	ppb	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	0.1	2	0.01	0.001	1
1554051	Soil		1.7	122.5	15.7	112	0.5	71.7	26.1	1271	6.37	9.8	28.0	2.8	116	0.6	0.6	0.4	91	1.12	0.133	25	
1554052	Soil		1.7	104.4	12.9	107	0.3	61.9	25.6	1261	6.15	7.3	26.3	2.9	57	0.4	0.5	0.3	87	0.74	0.112	24	
1554053	Soil		1.8	79.1	6.7	111	0.2	66.0	28.5	1179	6.35	4.8	15.4	3.5	99	0.4	0.4	0.1	99	0.93	0.126	28	
1554054	Soil		2.0	65.3	7.1	121	0.1	66.0	28.0	1235	6.60	3.9	14.5	3.8	97	0.5	0.4	0.1	108	0.82	0.131	29	
1554055	Soil		2.0	50.6	7.1	103	<0.1	60.9	26.0	870	6.31	3.7	2.8	3.7	83	0.3	0.4	<0.1	105	0.64	0.100	31	
1554056	Soil		1.6	42.4	6.0	94	<0.1	69.3	28.5	1033	6.51	3.3	4.1	4.2	67	0.4	0.3	<0.1	112	0.59	0.122	35	
1554057	Soil		1.6	39.5	5.3	103	<0.1	66.0	30.3	1282	6.72	2.7	1.1	3.7	68	0.4	0.2	<0.1	103	0.59	0.110	30	
1554058	Soil		1.8	48.9	9.1	117	<0.1	73.3	30.1	1373	6.83	3.9	3.0	4.2	50	0.5	0.4	<0.1	109	0.44	0.138	27	
1554059	Soil		1.6	41.7	5.2	91	<0.1	64.6	28.7	1148	6.74	3.3	1.0	4.0	45	0.3	0.3	<0.1	103	0.42	0.103	31	
1554060	Soil		1.7	38.3	5.7	117	<0.1	53.6	26.0	1224	6.24	3.3	1.0	4.4	73	0.4	0.2	<0.1	90	0.61	0.104	35	
1554061	Soil		1.6	43.2	5.1	115	<0.1	77.5	31.5	1229	6.87	2.9	1.1	4.1	72	0.5	0.3	<0.1	103	0.60	0.116	28	
1554062	Soil		1.8	44.3	6.9	117	<0.1	82.4	31.9	1398	6.67	3.8	1.1	3.7	69	0.4	0.4	<0.1	103	0.56	0.122	28	
1554063	Soil		1.7	36.8	5.2	111	<0.1	68.6	27.6	1107	6.38	2.7	1.9	3.5	66	0.3	0.3	<0.1	100	0.58	0.096	26	
1554064	Soil		1.7	46.3	6.5	98	0.1	62.3	27.0	1144	6.67	3.5	3.4	3.3	78	0.2	0.3	0.1	108	0.67	0.111	30	
1554065	Soil		L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
1554066	Soil		1.6	68.3	14.7	113	0.1	91.4	26.7	1297	6.56	7.0	3.0	4.0	50	0.4	0.7	<0.1	94	0.43	0.110	24	
1554284	Soil		2.6	126.6	11.1	146	0.3	45.0	18.9	871	5.24	28.0	7.5	2.0	59	0.5	1.8	0.1	114	0.73	0.100	24	
1554285	Soil		1.9	83.3	10.2	103	0.2	54.0	21.6	1061	5.35	23.5	6.1	2.3	94	0.5	1.3	<0.1	120	1.06	0.104	20	
1554286	Soil		1.4	65.1	9.5	54	0.2	64.8	27.8	1978	6.19	6.3	15.9	2.1	73	0.3	0.5	0.2	90	0.62	0.111	19	
1554287	Soil		1.2	55.4	22.7	61	0.1	36.1	14.3	1048	4.73	10.4	49.6	1.6	29	0.3	0.8	0.3	69	0.27	0.062	16	
1554288	Soil		1.4	34.5	8.2	52	<0.1	55.6	25.7	1713	5.80	3.8	3.1	3.1	51	0.2	0.3	0.2	87	0.48	0.098	22	
1554289	Soil		1.1	39.1	6.5	47	0.1	56.8	28.0	1290	7.12	2.3	2.9	3.4	73	0.2	0.2	<0.1	103	0.57	0.081	32	
1554290	Soil		1.2	64.4	15.0	58	0.2	40.3	17.2	1611	4.35	7.7	9.2	1.4	49	0.2	0.6	0.3	66	0.56	0.078	18	
1554291	Soil		1.8	140.1	25.2	98	0.3	50.4	22.4	1922	5.70	11.1	46.2	3.0	35	0.4	0.8	0.5	81	0.42	0.119	24	
1554292	Soil		1.5	33.7	44.4	74	0.2	31.6	15.0	2068	3.66	6.4	5.5	2.0	136	0.8	0.5	<0.1	46	2.51	0.105	30	
1554293	Soil		1.8	31.2	22.9	65	0.2	40.5	20.1	1507	4.39	3.2	4.4	1.8	101	0.6	0.3	<0.1	68	1.24	0.104	20	
1554294	Soil		1.9	157.4	16.5	84	0.6	44.7	19.8	1543	5.91	14.1	49.2	2.0	55	0.4	0.8	0.6	67	0.59	0.115	23	
1554295	Soil		3.6	18.4	20.1	66	0.4	8.7	4.8	372	4.44	18.0	1.9	1.6	17	0.6	0.9	0.6	123	0.06	0.093	12	
1554296	Soil		3.4	39.6	23.4	86	1.3	19.5	11.0	464	6.26	26.2	7.2	1.2	26	1.1	0.9	0.4	145	0.15	0.087	7	
1554297	Soil		9.8	79.9	24.7	105	0.3	17.4	8.3	358	7.43	41.3	16.1	1.6	18	0.5	1.2	0.8	129	0.08	0.227	9	

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: October 23, 2012

Page: 2 of 6

Part: 2 of 1

CERTIFICATE OF ANALYSIS

WHI12000791.2

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	3B
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	2	
1554051	Soil	61	1.36	721	0.471	3	3.17	0.269	0.22	0.1	0.05	10.8	<0.1	<0.05	10	1.1	0.3	48
1554052	Soil	54	1.16	574	0.437	3	2.99	0.074	0.10	<0.1	0.07	8.7	<0.1	<0.05	10	0.5	<0.2	69
1554053	Soil	59	1.39	363	0.566	2	3.49	0.222	0.17	0.1	0.03	9.4	<0.1	<0.05	12	<0.5	<0.2	14
1554054	Soil	60	1.28	265	0.580	1	3.86	0.232	0.16	0.1	0.03	9.7	<0.1	<0.05	14	<0.5	<0.2	<2
1554055	Soil	60	0.97	205	0.545	2	3.93	0.148	0.09	0.1	0.04	9.5	<0.1	<0.05	14	0.5	<0.2	<2
1554056	Soil	64	1.40	216	0.656	1	4.19	0.096	0.08	0.1	0.03	11.0	<0.1	<0.05	14	<0.5	<0.2	<2
1554057	Soil	61	1.35	171	0.616	2	3.91	0.107	0.08	<0.1	0.02	8.2	<0.1	<0.05	14	<0.5	<0.2	<2
1554058	Soil	65	1.37	162	0.610	2	4.41	0.129	0.10	0.1	0.03	10.0	<0.1	<0.05	14	<0.5	<0.2	<2
1554059	Soil	61	1.16	154	0.591	1	4.86	0.046	0.04	0.1	0.03	9.4	<0.1	<0.05	15	<0.5	<0.2	<2
1554060	Soil	48	1.05	170	0.511	1	3.65	0.095	0.08	0.1	0.02	7.5	<0.1	<0.05	14	<0.5	<0.2	<2
1554061	Soil	64	1.56	173	0.633	1	3.81	0.156	0.11	0.1	0.02	8.7	<0.1	<0.05	13	<0.5	<0.2	<2
1554062	Soil	64	1.70	197	0.602	1	3.35	0.183	0.13	0.1	0.03	8.6	<0.1	<0.05	12	<0.5	<0.2	<2
1554063	Soil	62	1.37	216	0.548	1	3.38	0.115	0.08	<0.1	0.02	7.6	<0.1	<0.05	13	<0.5	<0.2	<2
1554064	Soil	62	1.04	200	0.603	2	4.24	0.050	0.07	0.1	0.05	9.3	<0.1	0.06	14	<0.5	<0.2	<2
1554065	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1554066	Soil	68	1.51	552	0.513	2	3.79	0.078	0.14	0.1	0.05	11.5	<0.1	<0.05	12	<0.5	<0.2	<2
1554284	Soil	52	0.74	141	0.205	3	3.67	0.041	0.05	<0.1	0.12	10.9	<0.1	0.08	13	1.6	<0.2	<2
1554285	Soil	50	1.14	177	0.265	4	3.44	0.100	0.09	<0.1	0.09	10.7	<0.1	<0.05	14	1.0	<0.2	<2
1554286	Soil	52	1.09	684	0.405	2	3.65	0.056	0.08	<0.1	0.07	7.6	<0.1	0.10	12	0.6	0.2	12
1554287	Soil	34	0.91	449	0.159	1	1.96	0.015	0.07	0.1	0.08	7.9	<0.1	<0.05	6	<0.5	<0.2	12
1554288	Soil	51	0.88	310	0.468	<1	4.29	0.037	0.04	0.2	0.06	6.8	<0.1	<0.05	14	<0.5	<0.2	<2
1554289	Soil	69	0.98	322	0.688	<1	5.14	0.047	0.04	<0.1	0.05	8.3	<0.1	<0.05	14	<0.5	<0.2	<2
1554290	Soil	31	1.03	719	0.167	1	2.03	0.018	0.08	<0.1	0.10	7.1	<0.1	<0.05	7	<0.5	<0.2	3
1554291	Soil	42	1.12	755	0.273	2	3.01	0.022	0.12	0.1	0.12	10.3	<0.1	<0.05	10	0.9	0.3	66
1554292	Soil	34	0.48	313	0.259	6	2.06	0.124	0.11	<0.1	0.09	5.1	<0.1	0.18	6	0.8	<0.2	I.S.
1554293	Soil	46	0.67	274	0.332	2	2.35	0.044	0.07	<0.1	0.08	5.2	<0.1	0.15	9	<0.5	<0.2	<2
1554294	Soil	39	0.90	714	0.254	2	2.38	0.032	0.10	<0.1	0.14	9.5	<0.1	<0.05	8	1.2	0.5	30
1554295	Soil	20	0.21	99	0.151	<1	1.31	0.012	0.06	0.5	0.03	2.8	<0.1	<0.05	20	<0.5	<0.2	<2
1554296	Soil	27	0.78	141	0.191	1	2.11	0.017	0.05	0.3	0.05	5.5	<0.1	<0.05	16	<0.5	<0.2	<2
1554297	Soil	27	0.54	102	0.169	1	1.81	0.016	0.06	0.6	0.04	3.4	<0.1	<0.05	20	1.2	0.3	<2

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Project: North_Rok
 Report Date: October 23, 2012

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			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	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	
1554298	Soil		8.2	45.1	20.6	71	0.7	11.8	5.8	306	5.15	21.2	7.6	0.7	17	0.6	1.0	0.6	121	0.08	0.086	8
1554299	Soil		13.9	75.7	29.8	91	0.4	12.8	6.2	333	6.87	27.7	17.8	3.6	14	0.3	1.1	0.6	78	0.07	0.098	12
1554300	Soil		3.7	18.7	16.1	135	0.4	12.8	7.0	289	4.71	18.3	2.5	1.5	15	0.8	0.7	0.5	87	0.09	0.062	10
1554210	Soil		4.8	32.1	15.6	96	0.5	22.9	9.8	432	6.21	19.5	4.9	1.7	19	0.6	0.8	0.4	110	0.08	0.075	10
1554211	Soil		3.7	51.3	18.4	130	0.4	40.4	13.5	441	6.46	18.4	8.2	1.4	23	0.7	0.8	0.4	99	0.15	0.096	8
1554212	Soil		9.3	36.4	17.8	112	0.3	19.0	7.1	292	6.48	21.0	12.8	2.2	17	0.3	0.8	0.6	86	0.08	0.070	13
1554213	Soil		5.3	28.2	18.7	108	0.4	13.7	7.9	347	6.10	18.2	9.0	1.5	14	0.9	0.8	0.5	122	0.07	0.090	9
1554214	Soil		7.9	72.3	20.0	97	0.5	28.0	11.5	360	7.22	30.2	14.6	1.8	20	0.5	0.9	0.6	116	0.09	0.078	9
1554215	Soil		4.6	47.9	16.6	103	0.9	25.8	10.8	346	6.21	25.3	*	1.6	19	0.5	0.7	0.4	87	0.12	0.124	9
1554216	Soil		6.1	73.2	16.3	91	0.4	29.0	12.3	291	5.15	28.4	11.5	1.0	23	0.4	1.0	0.5	108	0.12	0.052	5
1554217	Soil		5.7	49.6	16.6	184	0.2	29.6	14.2	476	5.51	17.7	*	2.6	21	0.9	0.7	0.4	64	0.15	0.087	13
1554218	Soil		6.6	154.1	18.2	66	0.3	31.8	15.0	279	4.92	35.8	17.7	0.9	36	0.2	1.0	0.5	113	0.24	0.040	4
1554219	Soil		7.0	324.5	17.7	74	0.3	23.5	9.9	261	5.11	26.6	59.9	0.9	24	0.1	0.9	0.4	103	0.16	0.091	4
1554220	Soil		7.1	576.4	19.8	101	1.2	40.1	18.1	366	6.48	18.9	114.4	2.1	19	0.3	0.8	0.4	132	0.13	0.138	6
1554376	Soil		8.8	318.0	21.1	104	0.5	20.1	12.3	279	5.30	36.8	32.5	1.0	72	0.3	0.9	0.5	117	0.49	0.096	4
1554377	Soil		4.1	136.4	13.5	81	0.2	47.3	21.8	359	5.17	21.1	58.3	1.4	39	0.3	0.6	0.4	95	0.33	0.081	6
1554378	Soil		4.5	168.1	13.8	59	0.2	31.3	16.9	468	4.45	26.3	34.8	0.9	36	0.2	0.7	0.4	84	0.41	0.090	4
1554379	Soil		2.1	42.9	12.8	110	0.3	42.8	19.3	392	4.66	18.2	8.7	1.7	22	0.5	0.7	0.4	83	0.19	0.071	7
1554380	Soil		1.8	19.6	10.8	100	0.3	34.9	13.3	438	4.28	11.6	3.7	0.9	25	0.5	0.8	0.2	79	0.31	0.090	6
1554381	Soil		1.9	23.3	14.0	121	0.6	44.4	21.7	1756	4.79	10.7	<0.5	1.4	22	1.1	0.8	0.2	80	0.24	0.069	7
1554401	Soil		2.3	16.2	13.4	136	0.4	21.1	10.2	373	4.64	7.5	<0.5	1.5	19	1.1	0.6	0.2	76	0.19	0.057	9
1554402	Soil		2.7	38.5	13.0	131	0.2	30.0	18.2	396	4.57	13.7	9.2	1.2	29	0.5	0.5	0.3	85	0.36	0.069	7
1554403	Soil		3.2	20.0	16.4	74	0.3	14.4	10.5	474	4.77	10.3	2.3	2.0	12	0.5	0.5	0.4	76	0.12	0.069	12
1554404	Soil		4.3	23.2	18.1	122	0.3	16.7	15.6	582	5.14	13.0	4.5	1.6	15	0.8	0.6	0.4	95	0.10	0.065	10
1554405	Soil		23.4	166.4	21.9	131	0.4	16.9	21.3	398	6.59	26.8	44.6	1.0	32	0.9	0.8	0.4	159	0.21	0.079	5
1554406	Soil		11.3	687.9	20.5	52	0.8	27.7	9.5	207	5.47	32.5	131.4	1.5	26	0.2	0.9	0.3	90	0.11	0.131	4
1554407	Soil		6.7	189.8	19.7	96	2.4	10.3	6.5	287	5.40	15.5	168.1	1.2	16	0.4	0.6	0.4	109	0.10	0.183	6
1554408	Soil		5.9	697.8	10.5	62	1.5	7.8	3.8	227	4.80	16.1	170.4	2.3	18	0.4	0.5	0.3	45	0.13	0.145	14
1554409	Soil		3.0	15.8	15.4	72	0.2	10.1	7.3	297	3.64	12.5	8.0	1.1	15	0.8	0.6	0.4	87	0.11	0.042	8
1554410	Soil		4.2	17.3	16.5	135	0.3	11.2	6.3	309	4.79	12.3	2.3	1.4	8	1.1	0.6	0.4	72	0.06	0.079	13

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	3B
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
Unit	MDL	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	2	
1554298	Soil	24	0.30	100	0.133	<1	1.71	0.015	0.05	0.3	0.06	2.9	<0.1	<0.05	17	0.6	0.3	<2
1554299	Soil	25	0.37	94	0.145	1	4.89	0.037	0.06	0.6	0.08	4.6	<0.1	<0.05	19	1.4	<0.2	9
1554300	Soil	21	0.26	105	0.121	<1	1.56	0.015	0.05	0.4	0.03	2.3	<0.1	<0.05	17	<0.5	<0.2	<2
1554210	Soil	35	0.55	155	0.190	1	2.04	0.018	0.07	0.4	0.03	4.0	<0.1	<0.05	19	<0.5	<0.2	5
1554211	Soil	43	0.80	183	0.151	2	2.80	0.017	0.07	0.2	0.05	5.2	<0.1	<0.05	15	<0.5	<0.2	<2
1554212	Soil	29	0.40	103	0.133	<1	2.03	0.016	0.07	0.5	0.03	2.8	<0.1	<0.05	25	<0.5	<0.2	<2
1554213	Soil	30	0.29	104	0.236	1	1.46	0.016	0.05	0.4	0.03	3.0	<0.1	<0.05	19	<0.5	<0.2	10
1554214	Soil	36	0.55	123	0.161	<1	2.57	0.014	0.05	0.6	0.07	4.0	<0.1	<0.05	21	0.9	<0.2	15
1554215	Soil	30	0.47	119	0.111	2	2.30	0.012	0.06	0.5	0.06	3.3	<0.1	<0.05	15	<0.5	<0.2	5
1554216	Soil	33	0.69	107	0.082	2	2.13	0.009	0.06	0.4	0.03	3.9	<0.1	<0.05	11	0.9	<0.2	18
1554217	Soil	29	0.43	129	0.095	1	2.44	0.018	0.08	0.6	0.03	2.8	<0.1	<0.05	17	<0.5	<0.2	7
1554218	Soil	29	0.81	115	0.089	<1	2.08	0.011	0.05	0.3	0.02	4.4	<0.1	<0.05	8	0.8	<0.2	23
1554219	Soil	25	0.68	127	0.102	2	2.24	0.009	0.04	0.3	0.04	3.9	<0.1	<0.05	9	0.8	0.2	49
1554220	Soil	39	0.73	123	0.291	<1	3.10	0.014	0.05	0.3	0.06	5.4	<0.1	<0.05	13	0.6	<0.2	35
1554376	Soil	25	0.66	118	0.102	1	2.53	0.012	0.05	0.4	0.04	4.4	<0.1	0.06	10	0.9	<0.2	42
1554377	Soil	35	0.79	145	0.134	<1	2.31	0.012	0.07	0.4	0.02	4.2	<0.1	<0.05	10	1.3	<0.2	74
1554378	Soil	24	0.88	133	0.092	<1	1.63	0.013	0.06	0.2	0.03	4.5	<0.1	<0.05	6	1.7	0.2	25
1554379	Soil	34	0.69	139	0.107	1	2.26	0.014	0.08	0.3	0.02	3.9	<0.1	<0.05	10	<0.5	<0.2	9
1554380	Soil	35	0.55	186	0.062	1	1.96	0.008	0.11	0.2	0.05	3.5	<0.1	<0.05	9	<0.5	<0.2	<2
1554381	Soil	38	0.54	257	0.120	2	1.73	0.011	0.10	0.2	0.04	4.4	<0.1	<0.05	8	<0.5	<0.2	8
1554401	Soil	29	0.27	173	0.132	1	1.48	0.013	0.06	0.3	0.03	2.2	<0.1	<0.05	14	<0.5	<0.2	<2
1554402	Soil	30	0.52	86	0.130	1	1.69	0.011	0.08	0.3	0.02	3.1	<0.1	<0.05	12	<0.5	<0.2	5
1554403	Soil	21	0.23	102	0.171	<1	1.16	0.013	0.07	0.6	0.02	1.8	<0.1	<0.05	18	<0.5	<0.2	<2
1554404	Soil	25	0.26	127	0.173	<1	1.42	0.011	0.05	0.4	0.02	2.2	<0.1	<0.05	19	<0.5	<0.2	<2
1554405	Soil	28	0.46	110	0.240	2	1.68	0.013	0.05	0.4	0.03	2.9	<0.1	<0.05	17	0.7	<0.2	55
1554406	Soil	34	0.56	113	0.087	1	4.13	0.009	0.05	0.4	0.08	4.9	<0.1	0.07	7	2.2	<0.2	94
1554407	Soil	22	0.24	108	0.198	<1	1.32	0.011	0.04	0.3	0.06	2.2	<0.1	<0.05	18	0.6	0.2	99
1554408	Soil	19	0.14	97	0.073	<1	2.43	0.016	0.05	0.6	0.07	2.3	<0.1	<0.05	16	1.5	<0.2	145
1554409	Soil	20	0.28	126	0.162	<1	0.94	0.011	0.05	0.4	<0.01	2.3	<0.1	<0.05	13	<0.5	<0.2	4
1554410	Soil	19	0.18	89	0.126	<1	1.03	0.012	0.06	0.4	0.01	1.6	<0.1	<0.05	20	<0.5	<0.2	<2

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Method Analyte	Unit	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	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
1554411	Soil	4.7	70.5	17.2	85	0.2	31.8	12.7	294	4.82	25.8	15.6	0.8	28	0.3	0.9	0.4	103	0.14	0.048	4
1554412	Soil	6.8	36.0	17.7	79	0.3	14.0	6.9	249	5.03	12.4	3.4	1.9	9	0.3	0.6	0.4	80	0.05	0.061	12
1554413	Soil	3.8	21.5	17.1	128	0.2	15.6	6.9	268	4.57	15.1	4.5	1.1	14	0.7	0.8	0.5	114	0.06	0.060	8
1554414	Soil	4.3	53.0	15.5	111	0.4	34.6	13.5	400	7.18	22.4	9.6	1.6	17	0.4	0.7	0.4	115	0.12	0.094	6
1554415	Soil	4.7	28.3	14.2	126	0.2	23.7	7.8	331	6.14	18.3	2.6	2.2	13	0.4	0.7	0.3	81	0.08	0.078	11
1554416	Soil	2.5	56.8	11.3	61	0.1	29.0	12.4	389	3.66	17.9	3.7	1.0	41	0.2	0.7	0.3	87	0.35	0.066	6
1554417	Soil	3.2	42.7	13.0	113	0.3	40.3	14.1	408	5.41	14.1	1.9	1.5	20	0.4	0.6	0.3	85	0.18	0.070	10
1554418	Soil	3.7	22.6	14.9	95	0.1	18.7	7.5	340	5.52	19.8	2.2	1.2	15	0.7	0.6	0.4	132	0.10	0.126	8
1554419	Soil	4.2	20.6	15.6	122	0.3	24.7	7.7	313	4.99	13.8	2.5	1.9	19	0.3	0.5	0.3	86	0.13	0.119	11
1554420	Soil	2.6	43.1	13.7	120	0.5	31.9	12.6	434	5.17	15.5	25.9	1.3	24	0.7	0.5	0.3	88	0.23	0.174	7
1554421	Soil	4.0	19.2	18.8	56	0.3	6.5	3.1	152	2.29	11.1	0.7	1.3	14	0.3	0.3	0.4	68	0.09	0.054	12
1554422	Soil	4.1	58.4	13.8	102	0.3	26.0	10.2	296	5.80	37.7	19.1	1.0	20	0.5	0.8	0.5	114	0.11	0.118	5
1554423	Soil	3.5	80.9	14.4	117	0.2	46.8	17.3	410	6.00	24.3	19.0	2.1	20	0.4	0.7	0.3	98	0.17	0.094	6
1554424	Soil	4.4	131.8	13.7	155	0.3	44.5	17.0	398	5.02	22.1	*	2.2	33	0.4	0.8	0.5	75	0.26	0.107	8
1554425	Soil	14.8	258.7	18.5	91	0.2	14.9	7.7	241	5.45	29.9	335.8	1.0	43	0.4	0.9	0.5	131	0.28	0.089	6
1554426	Soil	3.2	74.9	15.8	109	0.5	25.7	16.0	285	4.66	22.1	14.6	0.9	32	0.7	0.7	0.4	113	0.24	0.053	5
1554427	Soil	5.0	73.6	16.2	106	0.5	21.1	13.8	288	5.85	15.7	30.3	1.3	25	0.5	0.6	0.4	108	0.15	0.061	7
1554428	Soil	3.9	42.6	12.3	75	0.4	18.0	12.4	267	4.58	22.0	11.8	0.8	26	0.7	0.9	0.5	121	0.21	0.055	4
1554429	Soil	2.4	48.0	16.0	79	0.3	25.0	22.3	721	4.05	10.3	16.2	1.1	29	0.9	0.5	0.3	81	0.21	0.080	6
1554430	Soil	4.1	39.6	13.2	93	0.2	29.0	14.7	384	5.37	18.4	3.1	1.0	17	0.4	0.8	0.5	117	0.10	0.053	6
1554431	Soil	2.6	20.9	14.8	148	0.5	27.6	20.0	297	5.13	7.1	<0.5	3.3	10	0.7	0.4	0.3	67	0.09	0.045	12
1554432	Soil	2.6	20.7	12.4	114	0.6	37.5	24.4	1068	6.19	3.6	2.9	3.3	43	0.6	0.3	0.3	80	0.48	0.065	14
1554351	Soil	1.8	14.9	13.7	177	0.3	29.8	13.1	736	5.64	18.1	3.6	1.4	17	0.7	0.8	0.3	80	0.26	0.151	9
1554352	Soil	3.4	32.3	8.4	49	<0.1	37.2	7.9	225	3.31	9.6	<0.5	1.2	24	0.1	0.5	0.2	65	0.40	0.054	6
1554353	Soil	2.8	33.1	13.8	105	0.3	24.6	13.1	367	4.76	19.6	44.7	1.1	22	0.7	0.6	0.3	82	0.27	0.062	6
1554354	Soil	4.7	53.9	13.2	116	0.2	73.0	23.2	604	6.30	13.7	5.9	2.8	25	0.6	0.5	0.2	76	0.33	0.066	9
1554355	Soil	3.6	89.9	14.6	115	0.3	27.5	15.3	320	6.24	27.6	26.8	1.2	24	0.5	0.7	0.4	101	0.22	0.078	6
1554356	Soil	9.2	402.8	19.9	59	0.9	19.5	7.9	252	7.34	39.5	276.4	1.7	50	0.2	1.1	0.4	116	0.15	0.139	7
1554357	Soil	31.2	1982	19.6	71	1.4	16.3	10.0	268	7.34	53.1	121.7	2.0	37	0.2	0.9	0.4	72	0.27	0.178	10
1554358	Soil	10.6	192.0	24.8	118	0.5	23.1	42.2	948	5.79	29.7	20.3	1.2	34	1.0	0.6	0.5	113	0.16	0.071	7

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 Report Date: October 23, 2012

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	3B
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
Unit	MDL	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	2	
1554411	Soil	34	0.71	118	0.081	<1	2.20	0.009	0.06	0.2	0.02	4.3	<0.1	<0.05	9	<0.5	<0.2	18
1554412	Soil	24	0.22	110	0.164	<1	1.77	0.015	0.05	0.5	0.05	2.5	<0.1	<0.05	19	<0.5	<0.2	<2
1554413	Soil	26	0.30	103	0.171	<1	1.37	0.011	0.05	0.3	0.02	2.6	<0.1	<0.05	16	<0.5	<0.2	6
1554414	Soil	39	0.76	125	0.193	1	2.51	0.011	0.05	0.4	0.05	4.7	<0.1	<0.05	16	0.8	<0.2	4
1554415	Soil	33	0.44	108	0.134	1	2.24	0.017	0.07	0.5	0.04	3.2	<0.1	<0.05	18	0.5	<0.2	6
1554416	Soil	24	0.88	123	0.102	<1	1.82	0.013	0.05	0.2	0.03	5.1	<0.1	<0.05	7	0.6	<0.2	13
1554417	Soil	37	0.72	144	0.155	2	2.20	0.015	0.06	0.3	0.04	4.4	<0.1	<0.05	13	<0.5	<0.2	3
1554418	Soil	32	0.42	130	0.152	<1	1.62	0.012	0.06	0.4	0.03	3.2	<0.1	<0.05	18	<0.5	<0.2	<2
1554419	Soil	33	0.40	144	0.134	2	1.81	0.015	0.07	0.5	0.04	2.8	<0.1	<0.05	19	<0.5	<0.2	<2
1554420	Soil	36	0.66	113	0.131	2	1.76	0.021	0.06	0.2	0.03	3.9	<0.1	<0.05	11	0.8	<0.2	14
1554421	Soil	17	0.14	103	0.130	1	0.82	0.013	0.06	0.3	0.02	1.9	<0.1	<0.05	14	<0.5	<0.2	<2
1554422	Soil	31	0.66	110	0.118	<1	2.10	0.010	0.06	0.3	0.04	4.0	<0.1	<0.05	12	0.6	<0.2	<2
1554423	Soil	42	0.86	106	0.206	2	3.71	0.016	0.05	0.3	0.03	4.9	<0.1	<0.05	12	1.4	<0.2	21
1554424	Soil	34	0.79	112	0.118	2	3.08	0.018	0.07	0.4	0.04	4.0	<0.1	<0.05	10	0.7	<0.2	3
1554425	Soil	28	0.53	168	0.200	1	1.31	0.020	0.08	1.0	0.02	3.4	<0.1	0.07	13	1.9	<0.2	221
1554426	Soil	29	0.67	158	0.117	<1	1.99	0.013	0.06	0.3	0.03	4.0	<0.1	<0.05	10	0.8	<0.2	<2
1554427	Soil	32	0.44	109	0.266	<1	1.60	0.013	0.06	0.4	0.02	2.5	<0.1	<0.05	14	<0.5	<0.2	9
1554428	Soil	26	0.42	68	0.165	<1	1.29	0.009	0.09	0.4	0.03	2.6	<0.1	<0.05	9	<0.5	<0.2	<2
1554429	Soil	27	0.47	176	0.158	<1	1.28	0.012	0.08	0.2	0.02	3.1	<0.1	<0.05	9	<0.5	<0.2	19
1554430	Soil	37	0.57	133	0.193	<1	1.83	0.011	0.05	0.3	0.02	3.3	<0.1	<0.05	12	0.6	<0.2	<2
1554431	Soil	32	0.27	131	0.252	<1	2.10	0.019	0.06	0.3	0.01	1.8	<0.1	<0.05	17	<0.5	<0.2	<2
1554432	Soil	38	0.37	156	0.387	4	2.41	0.030	0.07	0.3	0.04	3.0	<0.1	<0.05	17	<0.5	<0.2	<2
1554351	Soil	34	0.54	191	0.075	6	1.66	0.011	0.11	0.4	0.02	3.1	<0.1	<0.05	13	0.6	<0.2	<2
1554352	Soil	39	0.75	138	0.060	3	1.50	0.012	0.04	0.1	0.01	4.0	<0.1	<0.05	6	1.0	<0.2	<2
1554353	Soil	29	0.57	97	0.097	5	1.44	0.012	0.09	0.2	0.04	2.8	<0.1	<0.05	10	0.5	<0.2	4
1554354	Soil	42	0.97	214	0.228	7	2.48	0.020	0.08	0.2	0.04	4.0	<0.1	<0.05	12	1.1	<0.2	<2
1554355	Soil	28	0.58	135	0.099	3	1.75	0.013	0.07	0.4	0.02	3.7	<0.1	<0.05	13	0.6	<0.2	21
1554356	Soil	25	0.84	166	0.125	6	3.44	0.018	0.07	1.2	0.06	4.9	<0.1	0.13	10	3.5	0.2	388
1554357	Soil	20	0.71	59	0.061	3	5.43	0.013	0.04	0.4	0.21	8.8	<0.1	0.11	8	11.9	0.2	4
1554358	Soil	26	0.36	173	0.105	4	1.87	0.014	0.05	0.3	0.03	2.8	<0.1	<0.05	13	0.6	0.2	<2

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Project: North_Rok
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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
			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	ppb	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	0.1	2	0.01	0.001	1
1554359	Soil		12.8	254.9	18.0	72	0.5	19.4	10.3	229	7.39	58.1	36.7	1.3	25	0.4	1.0	0.4	130	0.11	0.093	4	
1554360	Soil		5.3	85.3	23.2	163	0.7	29.8	12.0	450	7.00	30.4	26.1	1.0	26	1.0	0.9	0.4	106	0.14	0.150	7	
1554361	Soil		4.3	43.8	22.0	155	0.2	23.7	14.1	511	6.69	32.8	10.3	1.0	17	0.7	0.8	0.5	134	0.08	0.097	5	
1554362	Soil		12.8	44.8	22.0	60	0.3	8.4	5.5	204	4.79	20.9	16.3	1.0	13	0.3	1.0	0.5	124	0.06	0.062	7	
1554363	Soil		7.9	148.4	21.9	101	0.6	25.0	11.8	379	6.15	23.5	*	2.6	18	0.3	0.9	0.4	82	0.10	0.083	9	
1554364	Soil		4.9	63.2	22.2	102	0.2	21.0	9.3	342	6.01	23.3	10.9	1.5	17	0.6	0.7	0.4	124	0.10	0.082	7	
1554365	Soil		9.2	29.0	19.5	81	0.3	9.8	5.0	297	6.37	24.0	8.4	1.4	13	0.6	0.8	0.5	130	0.07	0.134	11	
1554366	Soil		8.0	43.1	23.1	81	0.4	11.1	7.1	244	6.15	25.5	11.2	1.5	18	0.7	0.9	0.5	137	0.09	0.123	10	
1554367	Soil		4.4	51.8	17.8	107	0.2	41.5	12.1	358	6.43	15.6	11.5	2.7	16	0.6	0.5	0.3	95	0.19	0.130	7	
1554368	Soil		6.1	44.4	18.5	92	0.2	20.3	9.1	353	6.24	21.9	9.2	1.3	26	0.5	0.7	0.4	125	0.16	0.067	7	
1554369	Soil		4.2	45.0	20.6	138	0.4	29.9	11.0	374	6.70	21.5	2.7	1.6	23	0.4	0.7	0.4	108	0.14	0.171	7	
1554370	Soil		6.9	51.8	18.5	80	0.3	25.0	9.6	350	7.38	19.2	*	3.4	12	0.3	0.8	0.4	81	0.09	0.088	13	
1554371	Soil		4.6	82.4	21.4	124	0.3	40.5	13.9	385	5.88	20.8	11.5	2.4	17	0.4	0.8	0.3	81	0.12	0.089	6	
1554372	Soil		3.8	33.9	15.8	90	0.3	21.9	9.4	279	5.43	26.6	14.4	1.0	17	0.9	0.7	0.4	116	0.08	0.088	6	
1554373	Soil		3.2	46.4	28.3	89	0.6	20.1	9.5	454	5.98	28.7	2.4	1.1	22	0.6	0.7	0.4	114	0.12	0.135	7	
1554374	Soil		3.2	23.4	19.5	91	0.2	15.3	6.9	325	5.36	15.7	3.2	2.0	19	0.5	0.5	0.4	72	0.17	0.152	14	
1554375	Soil		12.3	443.8	27.2	97	0.6	13.6	8.3	248	9.00	41.5	128.4	1.2	20	0.3	0.9	0.7	134	0.09	0.149	5	
1554301	Soil		2.2	708.2	12.5	268	0.6	54.8	14.3	993	4.06	10.1	1.2	1.5	50	2.9	0.5	0.2	61	1.06	0.058	23	
1554302	Soil		2.0	29.1	20.2	91	0.4	27.2	14.9	518	5.01	11.4	3.0	1.2	23	1.3	0.7	0.2	77	0.30	0.089	8	
1554303	Soil		2.3	1894	13.3	63	0.2	24.5	19.3	391	5.57	22.7	12.1	0.8	60	0.3	0.5	0.7	108	1.01	0.153	16	
1554304	Soil		1.9	50.9	13.9	58	0.3	22.8	13.5	326	4.93	22.2	3.9	1.0	31	0.3	0.6	0.4	115	0.34	0.059	4	
1554305	Soil		3.9	85.5	13.6	53	0.3	17.5	9.4	269	5.95	38.6	29.9	1.0	39	0.2	0.8	0.4	128	0.25	0.085	6	
1554306	Soil		2.7	174.1	19.0	50	0.7	16.8	10.8	246	5.56	24.5	76.0	1.1	31	0.2	0.8	0.4	125	0.17	0.069	5	
1554307	Soil		3.3	201.5	19.2	66	1.0	14.9	10.6	257	6.36	30.1	458.7	0.8	39	0.4	0.8	0.5	143	0.18	0.114	4	
1554308	Soil		4.5	389.7	20.6	128	0.9	27.9	28.5	897	6.69	33.9	72.0	1.4	64	0.4	0.9	0.5	119	0.41	0.186	5	
1554309	Soil		7.5	1404	32.8	107	1.6	19.6	38.1	1595	8.20	44.1	508.8	0.5	76	0.7	0.9	0.7	132	0.42	0.292	7	
1554310	Soil		5.2	891.8	23.4	89	2.2	22.7	14.9	416	7.37	54.5	235.6	1.7	35	0.2	1.2	0.5	109	0.18	0.155	6	
1554311	Soil		7.0	615.9	24.6	117	0.6	23.5	47.7	864	6.87	50.3	44.8	0.5	93	0.5	1.4	0.9	126	0.39	0.134	5	
1554312	Soil		6.0	196.9	23.0	90	0.4	23.7	14.8	325	6.99	46.8	25.6	1.5	43	0.5	1.5	0.7	137	0.12	0.080	6	
1554313	Soil		3.9	166.4	35.1	171	0.7	23.7	17.6	362	5.63	40.1	12.9	1.4	40	0.9	1.5	0.9	126	0.15	0.056	5	

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	3B
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	0.2	2
1554359	Soil	29	0.61	98	0.128	3	2.95	0.011	0.04	0.5	0.09	4.6	<0.1	0.07	13	2.8	<0.2	43
1554360	Soil	33	0.88	159	0.086	4	2.59	0.018	0.07	0.4	0.03	4.0	<0.1	0.06	14	0.6	<0.2	<2
1554361	Soil	32	0.72	167	0.094	1	2.03	0.011	0.07	0.3	0.01	3.9	<0.1	<0.05	13	0.8	<0.2	<2
1554362	Soil	22	0.15	80	0.214	3	0.90	0.011	0.03	0.5	0.03	1.8	<0.1	<0.05	18	0.7	<0.2	3
1554363	Soil	30	0.57	108	0.109	4	2.93	0.017	0.05	0.4	0.08	4.0	<0.1	0.06	15	2.2	<0.2	8
1554364	Soil	29	0.53	97	0.188	3	1.78	0.014	0.04	0.4	0.04	3.4	<0.1	<0.05	17	0.8	<0.2	2
1554365	Soil	20	0.30	89	0.158	4	1.22	0.015	0.06	0.6	0.03	2.2	<0.1	0.05	25	1.4	<0.2	<2
1554366	Soil	21	0.32	92	0.200	3	1.35	0.012	0.06	0.6	0.04	2.1	<0.1	0.06	21	0.6	<0.2	<2
1554367	Soil	43	0.81	101	0.253	4	2.92	0.017	0.04	0.3	0.05	4.0	<0.1	<0.05	14	0.7	<0.2	<2
1554368	Soil	33	0.54	109	0.189	3	1.71	0.014	0.06	0.3	0.03	3.3	<0.1	<0.05	17	0.6	<0.2	<2
1554369	Soil	36	0.65	171	0.137	6	1.87	0.014	0.07	0.3	0.03	3.9	<0.1	<0.05	14	0.9	<0.2	<2
1554370	Soil	31	0.49	101	0.197	4	2.40	0.018	0.06	0.6	0.07	3.0	<0.1	0.06	23	0.9	<0.2	<2
1554371	Soil	38	0.78	125	0.113	5	3.36	0.016	0.04	0.3	0.05	4.4	<0.1	0.08	10	1.3	<0.2	11
1554372	Soil	31	0.52	139	0.138	2	1.66	0.012	0.06	0.5	0.03	3.2	<0.1	0.05	14	1.0	<0.2	<2
1554373	Soil	26	0.49	119	0.139	3	1.72	0.014	0.06	0.3	0.05	3.4	<0.1	0.08	14	<0.5	<0.2	2
1554374	Soil	24	0.31	127	0.140	4	1.31	0.015	0.08	0.7	0.03	1.8	<0.1	0.06	20	<0.5	<0.2	5
1554375	Soil	27	0.54	160	0.130	3	1.99	0.011	0.06	0.3	0.06	4.2	<0.1	0.08	17	1.2	0.3	125
1554301	Soil	28	0.37	197	0.075	4	1.51	0.016	0.07	0.2	0.06	5.2	<0.1	0.11	10	4.7	<0.2	<2
1554302	Soil	33	0.48	126	0.078	4	1.53	0.011	0.08	0.3	0.04	3.6	<0.1	0.05	10	0.9	<0.2	<2
1554303	Soil	26	0.96	137	0.088	5	2.38	0.022	0.06	0.3	0.05	7.2	<0.1	0.11	9	4.3	0.3	6
1554304	Soil	27	0.83	72	0.143	2	1.99	0.017	0.07	0.3	0.03	5.0	<0.1	0.07	9	0.6	<0.2	<2
1554305	Soil	25	0.59	128	0.146	5	1.66	0.014	0.07	0.5	0.04	3.8	<0.1	0.07	13	<0.5	<0.2	3
1554306	Soil	23	0.64	109	0.110	4	1.86	0.013	0.07	0.6	0.04	4.4	<0.1	0.07	9	1.1	<0.2	34
1554307	Soil	22	0.68	158	0.138	2	1.89	0.014	0.07	1.3	0.03	3.5	<0.1	0.09	13	1.1	0.3	168
1554308	Soil	29	0.77	141	0.139	4	2.78	0.015	0.12	0.4	0.05	4.4	<0.1	0.09	13	2.1	<0.2	56
1554309	Soil	24	0.72	192	0.056	5	2.69	0.013	0.07	0.2	0.08	5.1	<0.1	0.14	11	7.0	0.5	686
1554310	Soil	27	0.79	105	0.103	4	3.09	0.019	0.06	0.3	0.11	5.7	<0.1	0.14	10	6.7	<0.2	251
1554311	Soil	26	0.72	96	0.080	2	2.98	0.015	0.05	0.3	0.06	4.3	<0.1	0.10	13	2.1	0.2	47
1554312	Soil	32	0.83	79	0.123	1	3.40	0.016	0.04	0.4	0.08	5.3	<0.1	<0.05	13	1.6	0.4	24
1554313	Soil	31	0.78	89	0.112	1	3.50	0.012	0.04	0.4	0.05	6.2	<0.1	<0.05	11	1.2	<0.2	8

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: October 23, 2012

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CERTIFICATE OF ANALYSIS

WHI12000791.2

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	ppb	ppm	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
1554314	Soil	5.1	897.0	31.0	49	0.8	13.6	7.1	255	3.58	23.0	53.3	0.2	32	0.4	0.7	0.9	64	0.24	0.118	4
1554315	Soil	8.9	173.0	23.8	46	0.7	11.2	6.6	256	3.60	28.4	24.9	0.3	23	0.2	1.0	0.6	118	0.09	0.076	4
1554316	Soil	5.3	68.4	34.5	82	0.4	17.0	10.8	343	7.49	37.1	2.4	1.2	27	0.6	1.6	0.8	184	0.09	0.102	6
1554317	Soil	5.8	34.1	33.8	78	0.6	9.0	6.3	293	4.70	24.2	2.6	1.2	22	0.5	1.0	0.8	131	0.06	0.120	9
1554318	Soil	4.6	60.8	27.8	88	0.9	24.5	10.5	393	5.88	28.8	*	1.8	24	0.7	1.0	0.5	117	0.13	0.091	9
1554319	Soil	8.0	84.7	38.5	110	1.0	16.9	9.9	446	7.03	39.7	26.1	1.8	24	0.6	1.3	0.8	133	0.10	0.091	9
1554320	Soil	5.0	94.5	39.1	122	0.3	28.2	14.4	497	5.94	37.9	*	2.0	35	0.4	1.2	0.7	106	0.16	0.107	6
1554321	Soil	57.1	392.9	78.6	124	5.0	7.3	4.2	357	12.32	56.5	503.9	1.3	60	0.3	2.0	1.2	155	0.20	0.289	5
1554322	Soil	58.3	819.1	161.8	336	2.5	13.1	17.7	769	8.67	107.3	182.8	1.8	52	1.1	1.8	1.3	141	0.17	0.202	6
1554323	Soil	95.2	371.8	74.0	150	2.0	15.6	9.4	413	8.56	66.2	249.6	1.6	59	0.4	2.0	1.3	129	0.15	0.173	5
1554324	Soil	28.0	240.2	55.7	176	1.1	20.7	21.2	602	7.30	41.5	65.8	1.3	41	0.8	1.3	0.9	112	0.19	0.145	5
1554325	Soil	11.8	1265	23.5	92	0.9	19.4	15.9	219	4.67	28.5	35.7	2.6	27	0.4	1.0	0.4	72	0.11	0.210	12
1554326	Soil	13.6	244.9	36.8	95	0.8	20.1	12.7	326	6.12	45.5	52.5	0.9	60	0.3	1.3	0.7	131	0.26	0.113	5
1554327	Soil	8.5	95.4	25.5	72	0.7	14.8	10.2	260	5.04	22.4	164.1	1.6	34	0.4	0.9	0.4	107	0.14	0.095	5
1554328	Soil	21.7	268.8	17.4	426	0.2	23.0	38.6	1100	4.37	13.3	8.3	1.8	22	4.2	0.7	0.5	80	0.22	0.064	11
1554329	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1554330	Soil	9.6	915.0	12.5	1087	0.4	37.2	32.8	1462	3.50	8.4	5.2	0.9	38	26.0	0.5	0.4	65	1.08	0.129	10
1554331	Soil	2.2	34.5	21.7	99	0.4	31.0	15.7	485	4.90	18.4	<0.5	0.8	26	1.4	1.1	0.4	114	0.23	0.060	4
1554332	Soil	1.6	26.2	12.3	67	0.5	32.1	15.2	1217	3.68	13.8	3.6	0.8	34	1.1	0.9	0.2	71	0.68	0.050	5
1554281	Silt	1.3	141.4	11.9	96	0.3	41.2	27.9	1335	6.40	11.9	15.3	1.8	69	0.3	3.5	<0.1	127	0.75	0.178	16
1554282	Silt	2.1	104.9	13.0	107	0.3	60.7	27.5	1439	5.86	27.7	46.1	1.9	61	0.6	4.9	0.2	105	0.70	0.197	17
1554283	Silt	1.2	119.5	61.8	356	0.7	46.2	29.7	1418	5.76	78.5	50.7	1.4	47	2.5	4.6	0.5	105	0.64	0.160	12
1554086	Silt	1.1	126.0	61.8	368	1.2	43.6	29.7	1637	6.16	83.0	827.4	1.5	46	2.9	5.0	0.4	114	0.65	0.167	14
1554074	Silt	2.6	118.3	17.4	130	0.5	56.7	27.7	1447	5.63	34.1	53.1	2.0	56	0.7	5.5	0.3	98	0.66	0.194	17
1554170	Silt	1.7	66.2	12.6	108	0.1	68.2	27.5	1272	6.20	4.8	10.6	2.8	42	0.3	0.5	<0.1	138	0.74	0.142	19



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Project: North_Rok
 Report Date: October 23, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	3B
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
Unit	Unit	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
MDL	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	0.2	2
1554314	Soil	19	0.37	103	0.037	3	2.65	0.011	0.03	0.9	0.11	3.1	<0.1	0.13	6	2.3	0.2	70
1554315	Soil	21	0.24	66	0.116	<1	0.98	0.012	0.05	0.3	0.07	2.5	<0.1	0.05	10	1.0	0.2	15
1554316	Soil	27	0.59	124	0.180	2	2.14	0.016	0.05	0.5	0.04	4.1	<0.1	<0.05	16	1.8	<0.2	6
1554317	Soil	18	0.22	85	0.159	<1	1.15	0.014	0.05	0.5	0.04	2.5	<0.1	<0.05	19	0.8	<0.2	<2
1554318	Soil	31	0.61	106	0.161	1	2.62	0.015	0.04	0.5	0.08	4.6	<0.1	<0.05	18	1.4	<0.2	<2
1554319	Soil	27	0.62	83	0.179	2	2.41	0.015	0.06	0.7	0.06	4.3	<0.1	<0.05	23	1.3	<0.2	<2
1554320	Soil	30	0.78	149	0.099	2	2.66	0.014	0.05	0.4	0.06	4.9	<0.1	<0.05	11	1.4	0.2	<2
1554321	Soil	17	0.43	205	0.162	1	3.25	0.022	0.06	0.8	0.22	3.5	<0.1	0.09	20	9.4	0.4	492
1554322	Soil	17	0.84	106	0.102	<1	4.58	0.019	0.04	0.5	0.14	6.9	<0.1	<0.05	12	6.4	0.9	187
1554323	Soil	22	0.72	145	0.158	<1	2.91	0.025	0.06	0.6	0.12	4.7	<0.1	0.06	11	2.6	0.4	221
1554324	Soil	27	0.44	128	0.142	2	2.46	0.014	0.06	0.3	0.11	3.3	<0.1	<0.05	13	1.6	0.2	I.S.
1554325	Soil	23	0.47	83	0.093	<1	4.72	0.016	0.04	0.4	0.10	6.2	<0.1	<0.05	10	3.2	<0.2	52
1554326	Soil	25	0.83	143	0.129	<1	2.22	0.016	0.08	0.6	0.03	4.6	<0.1	0.11	11	1.3	0.2	114
1554327	Soil	24	0.47	127	0.170	1	2.51	0.020	0.05	0.5	0.05	4.1	<0.1	<0.05	12	1.3	<0.2	49
1554328	Soil	25	0.55	76	0.114	<1	1.72	0.017	0.09	0.3	0.02	4.1	<0.1	<0.05	12	2.7	<0.2	<2
1554329	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1554330	Soil	25	0.53	114	0.085	3	1.35	0.013	0.08	0.2	0.03	4.9	<0.1	<0.05	7	3.4	<0.2	<2
1554331	Soil	37	0.59	133	0.126	3	1.83	0.011	0.08	0.2	0.03	4.0	<0.1	<0.05	9	<0.5	<0.2	<2
1554332	Soil	30	0.55	287	0.058	2	1.38	0.009	0.12	0.2	0.04	3.9	<0.1	0.11	5	<0.5	<0.2	<2
1554281	Silt	26	1.42	326	0.090	6	2.09	0.043	0.12	<0.1	0.94	11.9	<0.1	0.09	7	1.7	<0.2	<2
1554282	Silt	24	1.31	251	0.059	2	1.59	0.018	0.10	<0.1	0.37	11.0	<0.1	<0.05	6	1.0	<0.2	I.S.
1554283	Silt	22	1.58	122	0.070	2	1.98	0.018	0.09	<0.1	0.31	9.6	<0.1	0.15	7	1.0	0.4	67
1554086	Silt	22	1.59	149	0.070	3	2.09	0.018	0.10	<0.1	0.35	10.2	<0.1	0.11	8	0.5	<0.2	149
1554074	Silt	21	1.17	271	0.059	3	1.78	0.022	0.12	<0.1	0.30	11.5	0.1	<0.05	6	0.7	<0.2	62
1554170	Silt	62	2.19	107	0.429	7	2.62	0.100	0.10	0.3	0.02	11.7	<0.1	<0.05	11	0.9	<0.2	I.S.



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Project: North_Rok

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QUALITY CONTROL REPORT

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	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	%	%	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																					
1554051	Soil	1.7	122.5	15.7	112	0.5	71.7	26.1	1271	6.37	9.8	28.0	2.8	116	0.6	0.6	0.4	91	1.12	0.133	25
REP 1554051	QC																				
1554053	Soil	1.8	79.1	6.7	111	0.2	66.0	28.5	1179	6.35	4.8	15.4	3.5	99	0.4	0.4	0.1	99	0.93	0.126	28
REP 1554053	QC	1.8	80.8	7.0	114	0.2	68.8	29.4	1236	6.57	4.6	12.4	3.6	98	0.5	0.4	0.1	100	0.92	0.120	28
1554060	Soil	1.7	38.3	5.7	117	<0.1	53.6	26.0	1224	6.24	3.3	1.0	4.4	73	0.4	0.2	<0.1	90	0.61	0.104	35
REP 1554060	QC	1.5	35.8	5.3	105	<0.1	53.7	24.5	1153	5.93	3.3	0.7	4.2	70	0.4	0.2	<0.1	89	0.59	0.105	33
1554062	Soil	1.8	44.3	6.9	117	<0.1	82.4	31.9	1398	6.67	3.8	1.1	3.7	69	0.4	0.4	<0.1	103	0.56	0.122	28
REP 1554062	QC																				
1554216	Soil	6.1	73.2	16.3	91	0.4	29.0	12.3	291	5.15	28.4	11.5	1.0	23	0.4	1.0	0.5	108	0.12	0.052	5
REP 1554216	QC	6.2	73.2	16.1	92	0.4	28.7	12.1	286	5.08	27.9	22.7	1.0	22	0.4	0.9	0.5	106	0.12	0.055	5
1554378	Soil	4.5	168.1	13.8	59	0.2	31.3	16.9	468	4.45	26.3	34.8	0.9	36	0.2	0.7	0.4	84	0.41	0.090	4
REP 1554378	QC	4.7	170.7	14.3	58	0.3	31.9	16.6	459	4.36	26.4	178.9	0.9	37	0.2	0.7	0.4	82	0.43	0.087	4
1554379	Soil	2.1	42.9	12.8	110	0.3	42.8	19.3	392	4.66	18.2	8.7	1.7	22	0.5	0.7	0.4	83	0.19	0.071	7
REP 1554379	QC																				
1554427	Soil	5.0	73.6	16.2	106	0.5	21.1	13.8	288	5.85	15.7	30.3	1.3	25	0.5	0.6	0.4	108	0.15	0.061	7
REP 1554427	QC	4.8	74.3	16.0	110	0.5	21.9	14.4	289	5.91	15.9	18.9	1.4	25	0.6	0.6	0.4	108	0.15	0.060	8
1554431	Soil	2.6	20.9	14.8	148	0.5	27.6	20.0	297	5.13	7.1	<0.5	3.3	10	0.7	0.4	0.3	67	0.09	0.045	12
REP 1554431	QC	2.0	20.8	14.6	145	0.5	28.4	19.4	300	5.16	7.1	<0.5	3.2	10	0.6	0.4	0.3	66	0.09	0.045	12
1554351	Soil	1.8	14.9	13.7	177	0.3	29.8	13.1	736	5.64	18.1	3.6	1.4	17	0.7	0.8	0.3	80	0.26	0.151	9
REP 1554351	QC																				
1554363	Soil	7.9	148.4	21.9	101	0.6	25.0	11.8	379	6.15	23.5	*	2.6	18	0.3	0.9	0.4	82	0.10	0.083	9
REP 1554363	QC	8.0	145.2	21.8	102	0.5	25.3	11.8	358	6.02	23.1	*	2.4	18	0.2	0.8	0.4	80	0.09	0.085	9
1554372	Soil	3.8	33.9	15.8	90	0.3	21.9	9.4	279	5.43	26.6	14.4	1.0	17	0.9	0.7	0.4	116	0.08	0.088	6
REP 1554372	QC	3.7	34.1	15.8	91	0.3	23.7	9.6	274	5.47	26.6	17.2	1.1	18	0.7	0.7	0.4	116	0.10	0.081	6
1554324	Soil	28.0	240.2	55.7	176	1.1	20.7	21.2	602	7.30	41.5	65.8	1.3	41	0.8	1.3	0.9	112	0.19	0.145	5
REP 1554324	QC	26.7	234.0	55.1	167	1.0	18.7	19.5	623	7.39	41.4	67.3	1.3	42	0.6	1.2	0.9	108	0.19	0.142	5
1554283	Silt	1.2	119.5	61.8	356	0.7	46.2	29.7	1418	5.76	78.5	50.7	1.4	47	2.5	4.6	0.5	105	0.64	0.160	12
REP 1554283	QC	1.3	115.0	58.2	339	0.8	44.7	29.1	1509	6.18	77.8	55.7	1.4	49	2.5	4.5	0.5	104	0.67	0.150	13

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 Report Date: October 23, 2012

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QUALITY CONTROL REPORT

WHI12000791.2

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	3B
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2	
Pulp Duplicates																		
1554051	Soil	61	1.36	721	0.471	3	3.17	0.269	0.22	0.1	0.05	10.8	<0.1	<0.05	10	1.1	0.3	48
REP 1554051	QC																	41
1554053	Soil	59	1.39	363	0.566	2	3.49	0.222	0.17	0.1	0.03	9.4	<0.1	<0.05	12	<0.5	<0.2	14
REP 1554053	QC	61	1.45	372	0.555	2	3.59	0.225	0.17	0.1	0.03	9.7	<0.1	<0.05	12	<0.5	<0.2	
1554060	Soil	48	1.05	170	0.511	1	3.65	0.095	0.08	0.1	0.02	7.5	<0.1	<0.05	14	<0.5	<0.2	<2
REP 1554060	QC	46	1.03	162	0.495	<1	3.46	0.088	0.08	0.2	0.01	7.0	<0.1	<0.05	14	<0.5	<0.2	
1554062	Soil	64	1.70	197	0.602	1	3.35	0.183	0.13	0.1	0.03	8.6	<0.1	<0.05	12	<0.5	<0.2	<2
REP 1554062	QC																	<2
1554216	Soil	33	0.69	107	0.082	2	2.13	0.009	0.06	0.4	0.03	3.9	<0.1	<0.05	11	0.9	<0.2	18
REP 1554216	QC	32	0.60	105	0.080	1	2.01	0.009	0.05	0.3	0.03	3.4	<0.1	<0.05	11	0.6	<0.2	
1554378	Soil	24	0.88	133	0.092	<1	1.63	0.013	0.06	0.2	0.03	4.5	<0.1	<0.05	6	1.7	0.2	25
REP 1554378	QC	23	0.87	124	0.089	2	1.61	0.013	0.06	0.3	0.02	4.5	<0.1	<0.05	6	1.8	0.3	
1554379	Soil	34	0.69	139	0.107	1	2.26	0.014	0.08	0.3	0.02	3.9	<0.1	<0.05	10	<0.5	<0.2	9
REP 1554379	QC																	5
1554427	Soil	32	0.44	109	0.266	<1	1.60	0.013	0.06	0.4	0.02	2.5	<0.1	<0.05	14	<0.5	<0.2	9
REP 1554427	QC	33	0.44	108	0.269	<1	1.59	0.013	0.06	0.4	0.03	2.2	<0.1	<0.05	14	<0.5	<0.2	
1554431	Soil	32	0.27	131	0.252	<1	2.10	0.019	0.06	0.3	0.01	1.8	<0.1	<0.05	17	<0.5	<0.2	<2
REP 1554431	QC	32	0.27	131	0.254	<1	2.09	0.018	0.06	0.4	0.02	1.7	<0.1	<0.05	17	<0.5	<0.2	
1554351	Soil	34	0.54	191	0.075	6	1.66	0.011	0.11	0.4	0.02	3.1	<0.1	<0.05	13	0.6	<0.2	<2
REP 1554351	QC																	39
1554363	Soil	30	0.57	108	0.109	4	2.93	0.017	0.05	0.4	0.08	4.0	<0.1	0.06	15	2.2	<0.2	8
REP 1554363	QC	30	0.58	99	0.102	5	2.92	0.017	0.05	0.4	0.07	3.7	<0.1	0.05	14	2.1	<0.2	
1554372	Soil	31	0.52	139	0.138	2	1.66	0.012	0.06	0.5	0.03	3.2	<0.1	0.05	14	1.0	<0.2	<2
REP 1554372	QC	31	0.54	137	0.148	3	1.68	0.013	0.06	0.4	0.03	3.3	<0.1	0.06	13	<0.5	<0.2	
1554324	Soil	27	0.44	128	0.142	2	2.46	0.014	0.06	0.3	0.11	3.3	<0.1	<0.05	13	1.6	0.2	I.S.
REP 1554324	QC	27	0.42	134	0.134	1	2.45	0.015	0.06	0.3	0.10	3.2	<0.1	<0.05	13	2.0	0.3	
1554283	Silt	22	1.58	122	0.070	2	1.98	0.018	0.09	<0.1	0.31	9.6	<0.1	0.15	7	1.0	0.4	67
REP 1554283	QC	21	1.65	124	0.070	3	1.94	0.017	0.09	<0.1	0.31	9.5	<0.1	0.19	7	0.7	0.2	

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QUALITY CONTROL REPORT

WHI12000791.2

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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
1554086	Silt	1.1	126.0	61.8	368	1.2	43.6	29.7	1637	6.16	83.0	827.4	1.5	46	2.9	5.0	0.4	114	0.65	0.167	14
REP 1554086	QC																				
Reference Materials																					
STD DS9	Standard	13.4	117.5	127.0	310	1.9	44.1	7.8	591	2.36	26.1	127.8	6.8	71	2.3	5.9	7.1	39	0.69	0.080	13
STD DS9	Standard	12.6	105.4	123.6	297	1.6	37.6	7.2	556	2.39	25.3	135.1	6.6	64	2.3	5.1	5.0	40	0.70	0.085	13
STD DS9	Standard	12.5	103.4	120.3	301	1.8	38.8	7.4	564	2.26	24.4	117.1	6.5	75	2.5	6.1	6.7	39	0.69	0.082	13
STD DS9	Standard	12.4	102.0	123.7	300	1.7	36.8	6.9	550	2.23	24.8	112.0	6.1	65	2.5	5.5	5.8	38	0.65	0.076	12
STD DS9	Standard	12.5	109.1	120.3	304	1.9	39.4	7.3	555	2.25	24.5	119.7	6.0	71	2.2	5.4	6.1	40	0.68	0.077	12
STD DS9	Standard	13.5	108.1	128.4	312	1.8	42.5	7.6	594	2.42	25.5	121.5	7.2	80	2.2	6.0	7.1	43	0.75	0.087	15
STD OXA71	Standard																				
STD OXA71	Standard																				
STD OXA71	Standard																				
STD OXA71	Standard																				
STD OXA71	Standard																				
STD OXA71	Standard																				
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STD OXA71	Standard																				
STD OXA71	Standard																				
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3
STD OXA71 Expected																					
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
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	4	<0.01	<0.001	<1
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
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
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
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
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

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Project: North_Rok
 Report Date: October 23, 2012

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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	3B	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2
1554086	Silt	22	1.59	149	0.070	3	2.09	0.018	0.10	<0.1	0.35	10.2	<0.1	0.11	8	0.5	<0.2	149
REP 1554086	QC																	197
Reference Materials																		
STD DS9	Standard	117	0.63	306	0.113	2	0.88	0.078	0.39	3.1	0.22	2.6	5.6	0.11	5	5.6	5.6	
STD DS9	Standard	111	0.65	305	0.101	4	0.89	0.081	0.40	3.2	0.22	2.3	5.6	0.20	4	6.6	5.0	
STD DS9	Standard	113	0.60	305	0.105	2	0.90	0.093	0.39	2.8	0.20	2.9	5.3	0.11	5	5.7	5.4	
STD DS9	Standard	109	0.54	302	0.098	2	0.88	0.084	0.36	2.9	0.20	2.4	5.4	0.09	4	5.0	4.8	
STD DS9	Standard	117	0.61	285	0.106	3	0.87	0.077	0.37	2.9	0.21	2.1	5.4	0.09	4	4.6	4.6	
STD DS9	Standard	122	0.64	305	0.123	4	0.98	0.090	0.39	3.3	0.20	2.9	5.6	0.16	5	3.7	4.9	
STD OXA71	Standard																	79
STD OXA71	Standard																	77
STD OXA71	Standard																	71
STD OXA71	Standard																	72
STD OXA71	Standard																	74
STD OXA71	Standard																	71
STD OXA71	Standard																	74
STD OXA71	Standard																	69
STD OXA71	Standard																	73
STD OXA71	Standard																	85
STD OXA71	Standard																	89
STD DS9 Expected		121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02	
STD OXA71 Expected																		84.9
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	<2

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Project: North_Rok
Report Date: October 23, 2012

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QUALITY CONTROL REPORT

WHI12000791.2

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
		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	
BLK	Blank																					
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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	3B		
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb	
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2	
BLK	Blank																		<2
BLK	Blank																		<2
BLK	Blank																		<2
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Appendix 6

Rock Sample Assay Certificates



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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Client: Colorado Resources Ltd.

110 - 2300 Carrington Road
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Submitted By: Greg Dawson

Receiving Lab: Canada-Whitehorse

Received: August 29, 2012

Report Date: September 20, 2012

Page: 1 of 4

CERTIFICATE OF ANALYSIS

WHI12000790.1

CLIENT JOB INFORMATION

Project: North_Rok
Shipment ID:
P.O. Number
Number of Samples: 87

SAMPLE DISPOSAL

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

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

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

CC: Linda Dandy
Jessica Norris
Allan Jacobs

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-500, 3B, and 1DX.

ADDITIONAL COMMENTS



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Project: North_Rok
 Report Date: September 20, 2012

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CERTIFICATE OF ANALYSIS

WHI12000790.1

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1554067	Rock	1.72	3	0.8	64.5	7.7	39	<0.1	21.9	15.6	1759	3.76	5.3	2.0	1.1	726	0.3	1.1	<0.1	100	13.73
1554069	Rock	2.06	9	0.5	137.3	4.6	20	0.1	24.0	13.8	3796	5.32	10.0	5.3	0.5	219	<0.1	1.2	<0.1	58	11.52
1554070	Rock	1.65	10	1.8	78.6	5.2	38	0.3	19.0	7.9	3175	4.49	13.6	5.1	1.0	729	<0.1	2.7	<0.1	35	14.67
1554072	Rock	1.47	28	1.8	569.6	4.0	11	0.5	17.0	8.2	3521	4.33	19.8	14.9	0.7	190	<0.1	1.9	<0.1	22	9.28
1554073	Rock	1.26	3	0.3	79.4	4.7	19	0.2	63.8	24.0	3876	5.27	23.4	0.6	1.1	288	<0.1	0.6	<0.1	85	13.69
1554101	Rock	1.31	1583	7.7	1697	17.8	39	6.6	2.1	5.0	274	7.32	9.7	1434	0.4	21	<0.1	0.4	0.1	94	0.25
1554102	Rock	1.40	287	5.4	1334	5.5	39	0.5	2.2	5.5	338	5.98	25.2	258.0	0.8	14	<0.1	0.6	<0.1	67	0.46
1554103	Rock	1.16	53	17.6	323.7	10.5	87	1.0	1.8	8.3	504	6.14	42.7	50.8	1.0	22	0.2	0.4	0.4	160	0.49
1554104	Rock	1.52	12	3.4	196.2	21.8	86	0.2	2.9	11.7	569	3.94	24.8	12.4	0.6	23	0.3	0.3	0.2	128	0.63
1554105	Rock	0.78	37	11.5	262.7	6.6	50	0.2	1.7	3.1	297	3.30	11.2	46.8	0.7	41	0.2	0.4	<0.1	109	0.75
1554106	Rock	1.68	5	1.9	68.8	6.9	110	<0.1	2.3	5.2	472	2.67	13.8	2.3	0.7	20	0.3	0.4	<0.1	79	0.58
1554107	Rock	1.64	55	6.2	72.2	8.1	50	0.2	2.2	4.1	327	5.39	24.3	106.1	0.5	29	0.2	0.8	0.2	102	0.72
1554108	Rock	1.73	3	2.9	46.0	6.5	72	<0.1	2.0	5.3	435	2.96	21.1	2.3	0.7	28	0.5	0.6	<0.1	69	0.61
1554109	Rock	1.49	<2	0.4	1.2	14.3	13	<0.1	0.8	0.2	227	0.73	<0.5	<0.5	11.0	9	<0.1	0.2	<0.1	<2	0.48
1554110	Rock	1.67	7	0.2	77.5	1.3	61	<0.1	113.1	34.6	767	4.93	2.2	<0.5	0.3	173	<0.1	<0.1	<0.1	69	4.11
1554111	Rock	1.32	<2	14.0	26.5	4.8	<1	0.1	1.3	4.8	30	1.28	5.3	1.0	0.1	49	<0.1	0.9	<0.1	5	0.04
1554112	Rock	1.06	<2	0.2	134.3	4.5	93	<0.1	33.9	41.8	1756	7.91	3.6	<0.5	0.8	83	0.1	0.2	<0.1	306	4.30
1554152	Rock	2.02	4412	8.7	>10000	548.0	214	14.0	6.8	5.3	1262	9.66	19.7	6617	0.6	23	0.8	0.4	2.1	57	0.37
1554153	Rock	1.00	334	15.7	1536	6.0	33	1.2	1.8	10.6	182	4.62	9.0	320.0	0.8	12	<0.1	0.5	0.3	86	0.22
1554154	Rock	0.98	1010	12.5	849.5	13.5	53	2.6	1.4	5.8	303	5.02	12.9	755.7	0.8	16	<0.1	0.5	0.2	99	0.36
1554155	Rock	1.19	115	8.8	1541	4.4	108	0.5	1.7	6.1	640	4.46	16.2	69.4	0.7	22	0.2	0.7	<0.1	101	0.75
1554156	Rock	1.52	55	14.0	247.3	24.4	80	0.7	2.3	8.9	513	4.85	64.3	57.7	0.6	33	0.7	0.5	0.4	89	0.73
1554157	Rock	1.20	229	24.5	2442	59.3	24	2.2	2.9	35.9	135	4.71	13.2	240.6	0.6	16	0.4	1.3	0.6	75	1.62
1554158	Rock	1.88	111	26.9	469.6	12.6	72	0.7	3.3	11.2	443	4.83	19.3	95.9	0.7	32	0.2	0.5	0.5	102	0.76
1554159	Rock	1.34	42	3.3	86.2	33.9	101	0.3	2.8	16.2	579	4.52	56.2	67.3	0.5	19	0.4	0.7	0.7	77	0.57
1554160	Rock	2.52	41	14.4	80.6	14.2	42	0.2	1.0	2.6	143	3.15	31.9	44.8	0.7	34	0.2	0.6	0.7	59	0.31
1554161	Rock	1.85	79	15.7	104.0	9.7	48	0.3	1.7	5.9	215	4.69	44.4	84.9	0.7	41	0.1	1.3	1.0	92	0.47
1554162	Rock	1.10	16	20.3	77.0	41.1	100	0.4	0.8	1.2	289	2.70	25.7	16.4	0.9	24	0.2	0.8	0.7	60	0.48
1554163	Rock	1.55	88	11.3	120.1	4.1	23	0.3	1.9	1.1	157	2.40	10.6	86.0	11.4	25	<0.1	0.4	0.3	37	0.24
1554164	Rock	1.36	169	5.5	488.1	24.9	60	0.9	1.3	7.0	346	4.74	33.9	165.7	0.5	100	<0.1	2.2	0.9	115	0.65

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CERTIFICATE OF ANALYSIS

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	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	0.05	0.1	0.5	1	0.2	
1554067	Rock	0.131	12	31	1.32	644	0.003	<20	0.86	0.039	0.15	<0.1	0.26	<0.1	0.10	12.4	<0.5	3	<0.2
1554069	Rock	0.051	9	4	2.16	1170	0.001	<20	0.34	0.007	0.16	<0.1	0.43	<0.1	0.13	5.1	1.1	1	<0.2
1554070	Rock	0.073	8	4	0.62	2741	<0.001	<20	0.88	0.004	0.14	<0.1	0.13	<0.1	0.10	5.0	<0.5	2	<0.2
1554072	Rock	0.049	6	4	1.73	217	<0.001	<20	0.23	0.005	0.14	<0.1	0.12	<0.1	0.22	4.3	<0.5	<1	<0.2
1554073	Rock	0.074	15	54	2.77	926	0.002	<20	0.67	0.010	0.17	<0.1	0.30	1.1	0.27	15.7	<0.5	2	<0.2
1554101	Rock	0.070	1	8	0.38	29	0.089	<20	0.45	0.028	0.10	0.2	0.06	<0.1	0.38	1.8	9.1	5	0.3
1554102	Rock	0.116	1	9	0.48	91	0.083	<20	0.45	0.038	0.13	0.4	<0.01	<0.1	0.08	1.7	2.1	4	<0.2
1554103	Rock	0.129	2	4	1.62	30	0.185	<20	1.72	0.087	0.09	0.6	<0.01	<0.1	1.81	11.7	4.3	10	0.5
1554104	Rock	0.119	2	3	1.74	24	0.153	<20	1.75	0.091	0.11	0.2	<0.01	<0.1	0.38	8.1	2.2	7	<0.2
1554105	Rock	0.116	2	3	0.56	50	0.084	<20	1.14	0.119	0.13	0.2	<0.01	<0.1	<0.05	1.2	<0.5	4	<0.2
1554106	Rock	0.111	3	3	0.82	33	0.091	<20	1.10	0.086	0.10	0.2	<0.01	<0.1	0.07	2.5	<0.5	4	<0.2
1554107	Rock	0.116	1	6	0.65	59	0.094	<20	1.00	0.075	0.15	<0.1	<0.01	<0.1	0.16	5.2	1.1	6	<0.2
1554108	Rock	0.127	1	7	0.76	17	0.082	<20	0.98	0.111	0.05	0.3	<0.01	<0.1	0.05	2.0	0.6	4	<0.2
1554109	Rock	0.007	26	5	0.02	51	0.001	<20	0.36	0.025	0.28	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	1	<0.2
1554110	Rock	0.071	5	31	2.14	182	0.370	<20	5.68	0.630	0.04	<0.1	<0.01	<0.1	<0.05	3.5	<0.5	9	<0.2
1554111	Rock	0.002	<1	5	<0.01	1634	<0.001	<20	0.18	0.005	0.11	<0.1	6.96	<0.1	0.25	1.0	1.1	<1	<0.2
1554112	Rock	0.128	6	58	4.05	20	0.262	<20	3.96	0.024	0.05	0.1	0.02	<0.1	0.14	30.2	<0.5	12	<0.2
1554152	Rock	0.161	2	4	1.38	85	0.122	<20	1.31	0.008	0.12	0.2	0.46	<0.1	3.03	4.6	38.7	8	1.0
1554153	Rock	0.104	2	4	0.95	42	0.138	<20	0.79	0.048	0.13	0.4	0.04	<0.1	1.91	3.4	8.2	6	<0.2
1554154	Rock	0.123	3	4	0.84	29	0.119	<20	0.96	0.042	0.11	0.3	0.02	<0.1	0.20	3.2	9.5	6	0.5
1554155	Rock	0.150	3	3	1.31	24	0.089	<20	1.34	0.076	0.08	0.3	0.01	<0.1	<0.05	3.6	0.7	6	<0.2
1554156	Rock	0.125	2	5	0.45	35	0.086	<20	1.09	0.115	0.12	0.4	0.03	<0.1	2.08	3.5	3.5	6	<0.2
1554157	Rock	0.044	1	7	0.13	22	0.091	<20	1.24	0.057	0.07	0.3	0.03	<0.1	3.74	3.2	22.3	5	<0.2
1554158	Rock	0.120	2	5	1.30	31	0.131	<20	1.59	0.063	0.11	0.2	0.01	<0.1	1.47	3.8	7.9	8	0.3
1554159	Rock	0.136	2	2	1.00	35	0.111	<20	1.22	0.085	0.09	0.2	0.01	<0.1	2.42	4.0	7.9	6	<0.2
1554160	Rock	0.117	3	2	0.43	72	0.139	<20	0.63	0.125	0.18	0.2	0.02	<0.1	1.01	2.8	9.3	4	<0.2
1554161	Rock	0.135	1	4	0.84	41	0.179	<20	1.02	0.073	0.11	0.4	<0.01	<0.1	0.93	4.4	4.4	7	<0.2
1554162	Rock	0.140	2	3	0.65	19	0.152	<20	0.80	0.090	0.07	0.2	0.03	<0.1	0.24	3.4	1.2	6	<0.2
1554163	Rock	0.058	3	13	0.35	51	0.064	<20	0.66	0.050	0.13	<0.1	<0.01	<0.1	0.22	2.0	1.3	4	<0.2
1554164	Rock	0.156	3	2	0.80	148	0.149	<20	1.38	0.109	0.15	<0.1	0.07	<0.1	0.86	2.8	12.3	6	0.2



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Project: North_Rok
 Report Date: September 20, 2012

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CERTIFICATE OF ANALYSIS

WHI12000790.1

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1554165	Rock	0.99	2514	73.2	155.8	73.8	14	5.9	0.5	0.6	68	5.60	22.5	2120	0.7	35	<0.1	1.0	2.2	22	0.12
1554166	Rock	1.06	82	0.5	21.8	2.8	7	1.4	2.1	7.2	36	5.65	47.1	86.1	1.7	12	<0.1	0.2	1.3	6	0.11
1554167	Rock	1.39	99	0.9	2023	6.4	4	3.8	2.4	3.7	96	2.62	46.4	98.6	0.4	69	<0.1	1.0	2.4	10	0.09
1554168	Rock	0.84	<2	1.2	21.3	26.4	12	<0.1	2.0	1.4	343	0.75	2.1	2.6	1.6	2	<0.1	0.2	0.2	<2	0.06
1554169	Rock	0.99	2	0.4	7.0	1.5	50	<0.1	3.9	17.4	4083	6.12	0.8	5.1	0.3	283	<0.1	<0.1	<0.1	113	17.73
1554171	Rock	1.20	<2	0.5	58.8	3.2	61	<0.1	305.2	26.1	820	4.22	4.8	0.9	0.6	260	0.1	0.6	<0.1	93	4.55
1554221	Rock	0.75	<2	0.3	3.3	2.1	23	<0.1	1.3	0.6	327	0.62	<0.5	<0.5	10.6	30	0.3	0.3	<0.1	<2	0.60
1554222	Rock	0.62	<2	0.9	33.4	7.2	89	0.1	8.3	16.4	1212	4.08	10.7	2.9	2.4	152	0.2	0.3	<0.1	153	3.61
1554223	Rock	0.57	<2	1.6	26.5	6.5	87	<0.1	10.9	20.7	823	4.30	12.5	1.5	2.9	139	0.1	0.4	<0.1	155	1.67
1554224	Rock	0.70	<2	0.7	26.4	3.2	61	<0.1	9.3	13.7	1257	4.39	6.8	1.9	1.4	59	0.2	0.3	<0.1	106	1.62
1554225	Rock	0.63	<2	0.6	4.1	7.0	67	<0.1	1.8	13.2	937	4.57	2.1	1.8	2.5	32	<0.1	0.6	<0.1	74	2.32
1554226	Rock	0.62	<2	0.3	7.4	4.0	60	<0.1	1.2	9.2	1191	3.30	6.4	1.4	2.5	46	<0.1	0.4	<0.1	51	4.11
1554227	Rock	0.62	<2	0.5	0.7	3.0	44	<0.1	2.2	2.3	332	1.65	0.7	<0.5	7.5	10	0.2	0.2	<0.1	9	0.32
1554228	Rock	1.18	<2	0.3	50.6	3.0	70	0.1	138.2	37.5	2329	5.05	2.0	<0.5	0.5	152	1.5	<0.1	<0.1	136	3.90
1554229	Rock	0.97	<2	0.6	0.9	4.6	13	<0.1	0.8	0.6	273	0.92	0.6	0.7	9.7	5	0.1	0.2	<0.1	<2	0.04
1554230	Rock	1.53	<2	0.4	1.1	3.5	11	<0.1	2.3	1.1	135	0.83	1.0	<0.5	10.5	5	<0.1	0.4	<0.1	<2	0.04
1554231	Rock	1.14	<2	0.9	139.7	3.1	64	0.1	13.5	21.1	1429	5.78	4.7	3.6	1.6	69	<0.1	0.2	<0.1	106	8.80
1554232	Rock	1.48	3	5.7	12.0	4.3	26	0.2	43.6	6.8	3551	5.40	10.7	2.8	0.3	444	0.2	1.8	<0.1	39	15.10
1554233	Rock	1.60	5	0.8	17.4	4.2	25	0.2	36.7	10.0	2981	4.14	8.1	2.7	0.6	631	<0.1	1.0	<0.1	43	15.82
1554251	Rock	1.21	726	9.6	899.7	4.5	33	2.0	1.8	2.9	266	9.50	13.6	713.2	0.5	32	<0.1	0.6	<0.1	114	0.33
1554252	Rock	1.36	1160	5.5	5593	6.9	17	6.5	1.9	12.2	117	6.13	28.3	1181	0.4	26	<0.1	0.5	0.4	51	0.16
1554253	Rock	0.93	16	1.5	62.2	6.8	24	<0.1	2.3	12.0	189	4.19	63.2	18.1	0.7	36	<0.1	0.6	0.8	56	0.53
1554254	Rock	1.25	322	7.1	1454	4.7	38	0.6	1.5	4.6	357	5.56	20.1	292.6	0.7	11	<0.1	0.6	<0.1	82	0.40
1554255	Rock	0.73	6	0.8	84.9	2.7	42	<0.1	4.9	14.3	476	4.31	24.3	6.9	0.6	27	0.2	0.8	<0.1	157	0.65
1554256	Rock	1.45	3	1.8	65.8	6.8	52	<0.1	36.0	22.7	1672	4.07	5.5	2.3	1.7	434	0.1	2.4	<0.1	144	9.16
1723801	Rock	1.01	12	1.8	16.6	20.8	45	0.2	2.1	21.0	207	2.93	40.7	12.9	0.6	13	<0.1	0.6	0.8	77	1.30
1723802	Rock	1.10	67	13.8	108.0	60.8	57	0.7	1.5	10.2	176	3.16	35.8	114.5	0.8	39	0.4	0.6	0.8	44	0.34
1723803	Rock	1.58	306	15.9	194.0	7.0	53	0.7	0.8	0.8	141	4.13	29.9	212.0	0.6	53	<0.1	1.2	0.5	51	0.17
1723804	Rock	1.22	5	1.2	54.2	10.6	46	<0.1	1.0	1.6	206	1.15	4.0	5.4	1.9	45	0.1	0.7	<0.1	12	0.19
1723805	Rock	1.22	85	4.7	191.4	12.0	60	0.6	1.8	7.9	254	3.31	70.1	83.6	0.7	29	<0.1	0.7	0.7	55	0.42

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Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	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	0.05	0.1	0.5	1	0.2	
1554165	Rock	0.108	2	4	0.10	219	0.103	<20	0.11	0.105	0.49	<0.1	0.26	0.2	1.35	0.5	7.9	2	0.3
1554166	Rock	0.072	3	2	0.02	15	0.002	<20	0.31	0.006	0.25	0.1	0.19	<0.1	5.34	0.7	7.6	<1	2.5
1554167	Rock	0.028	3	12	0.03	56	<0.001	<20	0.17	0.004	0.11	<0.1	0.03	<0.1	1.20	0.8	1.6	<1	1.3
1554168	Rock	0.005	5	4	0.08	54	<0.001	<20	0.22	0.011	0.08	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
1554169	Rock	0.082	9	3	2.72	43	0.002	<20	3.23	<0.001	0.08	<0.1	<0.01	<0.1	<0.05	10.3	<0.5	7	<0.2
1554171	Rock	0.087	9	104	2.97	103	0.001	<20	1.81	0.021	0.06	<0.1	0.25	<0.1	<0.05	8.6	0.6	8	<0.2
1554221	Rock	0.006	26	2	0.04	91	<0.001	<20	0.38	0.022	0.30	<0.1	<0.01	<0.1	<0.05	0.7	<0.5	1	<0.2
1554222	Rock	0.156	15	12	0.73	104	0.367	<20	2.77	0.216	0.09	0.2	0.13	<0.1	0.24	12.5	<0.5	10	<0.2
1554223	Rock	0.126	13	10	0.84	259	0.435	<20	2.90	0.223	0.10	0.3	0.11	<0.1	0.31	12.1	<0.5	10	<0.2
1554224	Rock	0.125	9	8	1.46	163	0.138	<20	1.78	0.108	0.14	<0.1	<0.01	<0.1	<0.05	7.2	<0.5	5	<0.2
1554225	Rock	0.292	24	<1	0.36	63	0.181	<20	0.94	0.051	0.20	0.1	<0.01	<0.1	<0.05	10.0	<0.5	5	<0.2
1554226	Rock	0.241	21	<1	0.43	79	0.163	<20	0.82	0.033	0.19	<0.1	0.02	<0.1	<0.05	7.5	<0.5	4	<0.2
1554227	Rock	0.026	32	3	0.18	90	0.015	<20	0.59	0.027	0.22	<0.1	<0.01	<0.1	<0.05	1.0	<0.5	3	<0.2
1554228	Rock	0.119	9	124	3.17	131	0.189	<20	4.49	0.397	0.06	<0.1	<0.01	<0.1	<0.05	14.6	<0.5	11	<0.2
1554229	Rock	0.005	24	3	0.02	90	0.005	<20	0.26	0.043	0.17	0.1	<0.01	<0.1	<0.05	0.7	<0.5	1	<0.2
1554230	Rock	0.007	27	2	0.03	50	0.012	<20	0.28	0.047	0.15	0.2	<0.01	<0.1	<0.05	0.7	<0.5	<1	<0.2
1554231	Rock	0.132	8	3	0.29	231	0.001	<20	1.15	0.008	0.18	<0.1	0.09	<0.1	<0.05	16.5	<0.5	2	<0.2
1554232	Rock	0.018	3	7	4.84	187	<0.001	<20	0.19	0.009	0.08	<0.1	0.06	<0.1	0.06	3.9	0.8	<1	<0.2
1554233	Rock	0.054	7	8	2.25	762	<0.001	<20	0.46	0.006	0.12	<0.1	0.08	<0.1	0.09	5.2	<0.5	1	<0.2
1554251	Rock	0.073	<1	5	0.30	27	0.091	<20	0.47	0.034	0.08	0.4	0.02	<0.1	0.11	1.9	4.5	5	0.2
1554252	Rock	0.060	<1	3	0.13	49	0.073	<20	0.21	0.037	0.14	0.7	0.04	<0.1	3.84	1.2	17.7	3	0.5
1554253	Rock	0.155	2	2	0.52	82	0.128	<20	0.85	0.080	0.17	0.4	0.02	<0.1	2.89	3.1	3.3	4	0.4
1554254	Rock	0.108	1	3	0.53	30	0.078	<20	0.50	0.051	0.10	0.3	<0.01	<0.1	0.10	1.7	2.4	4	<0.2
1554255	Rock	0.124	2	7	1.78	71	0.185	<20	1.80	0.108	0.07	0.2	<0.01	<0.1	0.37	9.3	1.1	9	<0.2
1554256	Rock	0.158	17	36	2.14	328	0.006	<20	1.96	0.039	0.10	<0.1	0.32	<0.1	0.55	13.1	<0.5	8	<0.2
1723801	Rock	0.118	2	2	0.82	17	0.108	<20	1.35	0.079	0.07	0.3	<0.01	<0.1	1.46	3.6	6.9	7	<0.2
1723802	Rock	0.105	3	3	0.31	96	0.111	<20	0.53	0.079	0.18	0.3	0.02	<0.1	1.23	2.2	2.4	3	<0.2
1723803	Rock	0.094	2	3	0.53	62	0.133	26	0.73	0.041	0.10	0.2	0.02	<0.1	0.21	4.1	7.8	5	0.2
1723804	Rock	0.013	4	4	0.31	10	0.056	<20	0.52	0.054	0.03	<0.1	<0.01	<0.1	<0.05	1.8	1.2	3	<0.2
1723805	Rock	0.122	2	3	0.74	48	0.103	<20	0.91	0.061	0.11	0.4	<0.01	<0.1	1.25	3.2	3.5	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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Project: North_Rok
 Report Date: September 20, 2012

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CERTIFICATE OF ANALYSIS

WHI12000790.1

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1723806	Rock	1.33	116	9.0	1612	4.9	89	0.5	2.1	9.3	577	6.39	16.3	137.7	0.6	22	0.3	0.7	<0.1	96	0.47
1554201	Rock	0.50	31	12.9	281.7	1.4	38	<0.1	3.8	6.2	270	3.02	12.9	38.3	0.7	13	<0.1	0.2	<0.1	111	0.53
1554202	Rock	0.96	26	0.6	251.6	10.4	46	0.2	5.8	20.7	423	4.12	50.8	23.2	0.6	92	0.1	0.9	0.4	112	2.24
1554203	Rock	0.85	172	11.9	165.1	6.4	16	0.9	0.8	2.1	111	3.76	10.7	192.5	0.6	12	<0.1	0.5	0.4	61	0.15
1554204	Rock	0.91	328	11.3	495.2	5.0	37	0.9	2.1	4.1	275	7.09	12.6	391.3	0.9	18	<0.1	0.4	0.1	111	0.44
1554205	Rock	1.19	714	7.5	940.5	3.0	23	1.5	1.0	4.2	190	5.94	20.3	870.8	0.5	9	<0.1	0.4	0.2	88	0.32
1554206	Rock	0.75	15	7.0	300.9	0.7	28	<0.1	2.0	2.1	243	1.82	12.6	14.9	0.7	13	<0.1	0.3	<0.1	44	0.42
1554207	Rock	0.82	465	5.9	1566	3.4	28	1.1	1.4	4.6	211	9.45	26.5	430.0	0.5	22	0.1	0.5	0.3	102	0.39
1554208	Rock	0.68	9	3.3	287.1	2.3	129	<0.1	3.6	12.4	836	4.26	9.6	4.9	0.6	45	0.3	0.3	<0.1	136	0.66
1554209	Rock	0.69	<2	<0.1	2.4	1.5	33	<0.1	2.0	4.7	251	3.22	32.5	<0.5	0.7	77	0.3	0.6	<0.1	83	0.84
1554172	Rock	1.20	61	10.6	185.3	17.8	54	0.5	0.4	3.7	184	3.21	36.6	53.3	0.6	48	0.2	0.9	0.3	51	0.43
1554173	Rock	1.35	33	5.0	86.1	33.6	79	0.2	1.6	6.2	410	2.78	31.4	24.7	0.7	34	0.2	0.8	0.3	63	0.68
1554174	Rock	1.03	467	6.4	566.1	14.1	47	1.1	1.1	4.2	269	3.91	36.0	422.1	0.5	30	<0.1	0.5	0.4	108	0.46
1554175	Rock	1.19	401	4.7	369.6	28.6	43	1.2	1.3	13.5	245	4.22	48.0	333.1	1.0	53	<0.1	0.5	0.7	83	0.46
1554176	Rock	1.16	168	7.4	442.2	18.5	37	0.4	1.2	11.2	211	4.61	44.5	171.1	0.6	32	<0.1	0.4	0.7	115	0.80
1554177	Rock	1.40	9	13.7	117.2	25.9	91	0.2	2.2	4.1	494	3.12	23.4	13.4	0.9	27	0.1	0.4	0.5	75	0.78
1554178	Rock	1.51	10	2.8	8.4	13.5	28	0.2	1.4	7.2	260	1.84	24.4	10.8	0.9	14	<0.1	0.3	1.0	32	0.75
1554179	Rock	1.32	24	2.4	110.9	14.6	51	0.3	2.3	8.3	369	4.63	43.3	21.3	0.8	51	<0.1	0.4	1.9	61	0.53
1554181	Rock	1.14	276	9.7	1563	12.8	47	1.7	1.6	6.5	281	3.59	17.5	395.7	0.6	30	<0.1	0.4	0.2	67	0.62
1554182	Rock	1.27	45	10.8	97.4	22.2	68	0.3	1.6	12.2	300	4.41	100.0	46.2	0.8	36	0.5	0.6	0.7	67	0.50
1554113	Rock	1.17	5	0.1	700.7	1.1	40	<0.1	2.1	3.8	287	2.62	13.3	2.9	0.9	20	0.3	0.3	<0.1	62	0.52
1554114	Rock	1.34	<2	0.4	5.0	1.9	65	<0.1	3.3	6.9	454	5.27	19.8	2.1	0.7	24	0.2	0.3	<0.1	216	0.84
1554115	Rock	1.56	<2	0.4	12.3	13.1	52	<0.1	2.7	8.4	402	4.36	23.6	<0.5	0.6	23	<0.1	0.6	0.1	174	0.71
1554116	Rock	1.41	<2	0.5	56.2	2.4	46	<0.1	4.0	19.7	428	3.77	13.6	<0.5	0.4	51	0.1	0.3	<0.1	122	0.89
1554117	Rock	1.24	18	1.0	18.9	4.5	28	<0.1	3.4	21.8	304	4.84	27.0	4.6	0.6	19	<0.1	0.5	0.2	165	0.88
1554118	Rock	1.33	37	0.6	468.1	2.3	82	0.1	2.2	11.3	529	4.06	15.6	22.9	0.9	55	0.4	0.5	<0.1	125	0.77
1554151	Rock	1.31	3914	58.7	9159	98.0	73	9.3	2.4	5.8	388	6.23	12.5	2347	0.7	14	0.3	0.3	2.3	68	0.28



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Project: North_Rok
 Report Date: September 20, 2012

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CERTIFICATE OF ANALYSIS

WHI12000790.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	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	0.05	0.1	0.5	1	0.2	
1723806	Rock	0.110	3	3	0.75	43	0.071	<20	0.72	0.054	0.11	0.4	<0.01	<0.1	<0.05	2.2	0.9	4	<0.2
1554201	Rock	0.121	3	5	1.72	20	0.165	<20	1.39	0.075	0.08	0.2	<0.01	<0.1	<0.05	3.8	<0.5	7	<0.2
1554202	Rock	0.117	3	5	2.16	22	0.160	<20	3.97	0.343	0.08	0.2	<0.01	<0.1	2.51	6.8	7.2	10	0.2
1554203	Rock	0.069	2	3	0.49	63	0.176	<20	0.41	0.044	0.21	0.6	0.03	<0.1	0.92	1.9	8.7	6	0.4
1554204	Rock	0.152	3	6	0.72	49	0.096	<20	0.80	0.037	0.12	0.3	<0.01	<0.1	0.09	3.6	3.3	7	<0.2
1554205	Rock	0.091	<1	3	0.30	34	0.089	<20	0.37	0.035	0.12	0.2	0.02	<0.1	0.17	1.3	2.8	3	0.3
1554206	Rock	0.107	<1	5	0.62	22	0.073	<20	0.60	0.067	0.07	0.2	<0.01	<0.1	<0.05	1.9	<0.5	3	<0.2
1554207	Rock	0.095	2	5	0.28	24	0.098	<20	0.40	0.037	0.09	0.3	<0.01	<0.1	0.13	1.4	3.4	5	0.4
1554208	Rock	0.117	2	3	2.29	38	0.190	<20	2.19	0.052	0.09	0.3	<0.01	<0.1	<0.05	7.5	<0.5	8	<0.2
1554209	Rock	0.112	2	3	1.02	47	0.124	<20	1.46	0.179	0.08	0.4	<0.01	<0.1	<0.05	1.2	<0.5	6	<0.2
1554172	Rock	0.122	3	1	0.25	45	0.110	<20	0.49	0.066	0.14	0.2	<0.01	<0.1	0.46	2.1	10.5	4	<0.2
1554173	Rock	0.138	1	3	0.80	19	0.131	<20	1.13	0.079	0.07	<0.1	<0.01	<0.1	0.27	4.1	1.5	5	<0.2
1554174	Rock	0.128	3	4	0.65	41	0.117	<20	0.93	0.046	0.10	0.2	0.01	<0.1	0.13	3.8	5.1	5	0.4
1554175	Rock	0.132	3	2	0.65	45	0.115	<20	0.86	0.058	0.12	0.2	<0.01	<0.1	0.83	3.8	9.7	5	0.2
1554176	Rock	0.152	2	2	0.91	28	0.154	<20	1.36	0.065	0.10	0.3	0.06	<0.1	1.73	4.6	8.7	7	0.4
1554177	Rock	0.110	4	5	0.98	26	0.145	<20	1.64	0.069	0.06	0.2	0.04	<0.1	0.14	3.8	3.7	7	<0.2
1554178	Rock	0.124	2	4	0.58	38	0.111	<20	0.86	0.065	0.08	0.2	<0.01	<0.1	0.44	2.1	1.2	4	<0.2
1554179	Rock	0.099	2	4	1.17	59	0.100	<20	1.51	0.121	0.14	0.4	0.01	<0.1	1.76	5.3	4.8	6	0.6
1554181	Rock	0.128	2	2	0.54	29	0.079	<20	0.78	0.054	0.08	0.3	<0.01	<0.1	0.25	1.5	5.1	5	0.2
1554182	Rock	0.121	2	2	0.59	45	0.142	<20	0.98	0.088	0.11	0.4	0.08	<0.1	1.42	3.1	8.2	5	0.6
1554113	Rock	0.102	3	6	0.85	30	0.086	<20	0.83	0.081	0.08	0.2	<0.01	<0.1	<0.05	2.1	<0.5	3	<0.2
1554114	Rock	0.149	2	6	1.60	44	0.173	<20	1.69	0.089	0.07	0.1	<0.01	<0.1	<0.05	5.5	<0.5	10	<0.2
1554115	Rock	0.139	2	4	1.05	46	0.136	<20	1.17	0.072	0.08	0.2	<0.01	<0.1	0.10	4.4	<0.5	7	<0.2
1554116	Rock	0.152	1	5	2.00	32	0.199	<20	2.03	0.090	0.07	0.1	<0.01	<0.1	0.48	4.6	1.1	7	<0.2
1554117	Rock	0.147	2	7	1.69	56	0.219	<20	1.76	0.049	0.08	0.3	<0.01	<0.1	2.45	10.4	1.7	10	0.3
1554118	Rock	0.147	4	3	0.91	52	0.103	<20	1.34	0.101	0.12	0.2	<0.01	<0.1	<0.05	3.2	<0.5	5	<0.2
1554151	Rock	0.095	1	4	0.63	45	0.127	<20	0.71	0.031	0.09	0.1	0.16	<0.1	0.89	2.3	20.1	5	1.1



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Project: North_Rok
 Report Date: September 20, 2012

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QUALITY CONTROL REPORT

WHI12000790.1

Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1554072	Rock	1.47	28	1.8	569.6	4.0	11	0.5	17.0	8.2	3521	4.33	19.8	14.9	0.7	190	<0.1	1.9	<0.1	22	9.28
REP 1554072	QC			1.8	555.1	4.1	10	0.5	16.1	8.2	3491	4.28	20.6	23.6	0.7	196	<0.1	1.9	<0.1	22	9.28
1554111	Rock	1.32	<2	14.0	26.5	4.8	<1	0.1	1.3	4.8	30	1.28	5.3	1.0	0.1	49	<0.1	0.9	<0.1	5	0.04
REP 1554111	QC		<2																		
1554152	Rock	2.02	4412	8.7	>10000	548.0	214	14.0	6.8	5.3	1262	9.66	19.7	6617	0.6	23	0.8	0.4	2.1	57	0.37
REP 1554152	QC			8.8	>10000	523.1	203	12.6	6.4	5.1	1241	9.19	18.8	4224	0.6	23	0.9	0.4	2.0	56	0.33
1723804	Rock	1.22	5	1.2	54.2	10.6	46	<0.1	1.0	1.6	206	1.15	4.0	5.4	1.9	45	0.1	0.7	<0.1	12	0.19
REP 1723804	QC		5																		
1554206	Rock	0.75	15	7.0	300.9	0.7	28	<0.1	2.0	2.1	243	1.82	12.6	14.9	0.7	13	<0.1	0.3	<0.1	44	0.42
REP 1554206	QC			6.6	307.4	0.9	29	<0.1	2.0	2.1	251	1.87	13.5	7.5	0.7	13	0.1	0.3	<0.1	44	0.42
1554116	Rock	1.41	<2	0.5	56.2	2.4	46	<0.1	4.0	19.7	428	3.77	13.6	<0.5	0.4	51	0.1	0.3	<0.1	122	0.89
REP 1554116	QC		<2																		
1554151	Rock	1.31	3914	58.7	9159	98.0	73	9.3	2.4	5.8	388	6.23	12.5	2347	0.7	14	0.3	0.3	2.3	68	0.28
REP 1554151	QC		3535																		
Core Reject Duplicates																					
1554069	Rock	2.06	9	0.5	137.3	4.6	20	0.1	24.0	13.8	3796	5.32	10.0	5.3	0.5	219	<0.1	1.2	<0.1	58	11.52
DUP 1554069	QC		6	0.7	112.1	4.8	28	0.1	23.6	14.7	2927	4.71	7.5	5.9	0.8	472	0.1	1.1	<0.1	79	12.85
1554221	Rock	0.75	<2	0.3	3.3	2.1	23	<0.1	1.3	0.6	327	0.62	<0.5	<0.5	10.6	30	0.3	0.3	<0.1	<2	0.60
DUP 1554221	QC		<2	0.3	2.8	2.3	22	<0.1	2.3	0.7	314	0.60	<0.5	1.4	11.0	33	0.4	0.4	<0.1	<2	0.57
1554173	Rock	1.35	33	5.0	86.1	33.6	79	0.2	1.6	6.2	410	2.78	31.4	24.7	0.7	34	0.2	0.8	0.3	63	0.68
DUP 1554173	QC		35	4.9	88.4	33.8	84	0.2	1.6	6.0	385	2.75	31.1	55.5	0.8	34	0.2	0.8	0.3	63	0.68
Reference Materials																					
STD DS9	Standard			14.5	120.1	141.4	328	1.8	44.2	8.3	596	2.34	28.1	129.4	7.1	67	2.6	4.9	6.2	39	0.71
STD DS9	Standard			12.9	115.8	133.7	321	1.8	42.5	8.3	613	2.42	24.9	129.0	6.2	63	2.4	4.2	6.2	41	0.73
STD DS9	Standard			11.8	109.8	121.8	308	1.8	38.5	7.2	568	2.27	25.5	94.1	5.9	66	2.4	5.1	5.4	40	0.68
STD DS9	Standard			12.8	116.6	122.8	309	1.8	39.5	7.6	605	2.39	24.7	104.7	7.4	74	2.3	3.4	6.2	41	0.75
STD OREAS45CA	Standard			0.9	516.7	20.0	63	0.3	240.4	96.2	933	15.90	3.9	41.3	7.0	13	0.1	0.2	0.1	217	0.42
STD OREAS45CA	Standard			1.0	504.6	19.6	63	0.3	258.8	95.6	966	16.20	3.6	42.3	7.0	14	<0.1	0.1	0.1	234	0.44



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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	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	0.05	0.1	0.5	1	0.2	
Pulp Duplicates																			
1554072	Rock	0.049	6	4	1.73	217	<0.001	<20	0.23	0.005	0.14	<0.1	0.12	<0.1	0.22	4.3	<0.5	<1	<0.2
REP 1554072	QC	0.047	6	4	1.71	220	<0.001	<20	0.22	0.006	0.14	<0.1	0.16	<0.1	0.22	4.1	0.8	<1	<0.2
1554111	Rock	0.002	<1	5	<0.01	1634	<0.001	<20	0.18	0.005	0.11	<0.1	6.96	<0.1	0.25	1.0	1.1	<1	<0.2
REP 1554111	QC																		
1554152	Rock	0.161	2	4	1.38	85	0.122	<20	1.31	0.008	0.12	0.2	0.46	<0.1	3.03	4.6	38.7	8	1.0
REP 1554152	QC	0.162	2	4	1.36	81	0.119	<20	1.25	0.008	0.12	0.2	0.43	<0.1	3.08	4.4	36.7	8	0.9
1723804	Rock	0.013	4	4	0.31	10	0.056	<20	0.52	0.054	0.03	<0.1	<0.01	<0.1	<0.05	1.8	1.2	3	<0.2
REP 1723804	QC																		
1554206	Rock	0.107	<1	5	0.62	22	0.073	<20	0.60	0.067	0.07	0.2	<0.01	<0.1	<0.05	1.9	<0.5	3	<0.2
REP 1554206	QC	0.107	<1	5	0.63	23	0.074	<20	0.61	0.070	0.07	0.2	<0.01	<0.1	<0.05	2.1	<0.5	3	<0.2
1554116	Rock	0.152	1	5	2.00	32	0.199	<20	2.03	0.090	0.07	0.1	<0.01	<0.1	0.48	4.6	1.1	7	<0.2
REP 1554116	QC																		
1554151	Rock	0.095	1	4	0.63	45	0.127	<20	0.71	0.031	0.09	0.1	0.16	<0.1	0.89	2.3	20.1	5	1.1
REP 1554151	QC																		
Core Reject Duplicates																			
1554069	Rock	0.051	9	4	2.16	1170	0.001	<20	0.34	0.007	0.16	<0.1	0.43	<0.1	0.13	5.1	1.1	1	<0.2
DUP 1554069	QC	0.089	10	17	1.78	984	0.002	<20	0.64	0.023	0.15	<0.1	0.36	<0.1	0.12	8.5	0.6	2	<0.2
1554221	Rock	0.006	26	2	0.04	91	<0.001	<20	0.38	0.022	0.30	<0.1	<0.01	<0.1	<0.05	0.7	<0.5	1	<0.2
DUP 1554221	QC	0.006	28	2	0.04	91	<0.001	<20	0.39	0.020	0.28	<0.1	<0.01	<0.1	<0.05	0.7	<0.5	1	<0.2
1554173	Rock	0.138	1	3	0.80	19	0.131	<20	1.13	0.079	0.07	<0.1	<0.01	<0.1	0.27	4.1	1.5	5	<0.2
DUP 1554173	QC	0.134	1	3	0.80	19	0.134	<20	1.12	0.084	0.07	<0.1	<0.01	<0.1	0.27	3.9	2.1	5	<0.2
Reference Materials																			
STD DS9	Standard	0.082	13	128	0.63	332	0.112	<20	0.97	0.081	0.40	3.0	0.21	5.8	0.16	2.4	5.6	5	5.1
STD DS9	Standard	0.085	11	129	0.64	312	0.109	<20	0.98	0.083	0.42	2.8	0.20	5.4	0.17	2.5	5.6	4	5.4
STD DS9	Standard	0.081	11	115	0.61	307	0.102	<20	0.90	0.079	0.39	2.6	0.23	5.4	0.18	2.3	5.3	5	5.0
STD DS9	Standard	0.083	13	119	0.64	316	0.111	<20	0.98	0.084	0.40	2.6	0.21	5.3	0.16	2.6	5.5	4	4.7
STD OREAS45CA	Standard	0.034	16	781	0.13	170	0.128	<20	3.53	0.008	0.07	<0.1	0.03	<0.1	<0.05	43.6	<0.5	18	<0.2
STD OREAS45CA	Standard	0.036	16	823	0.13	167	0.139	<20	3.87	0.007	0.08	<0.1	0.03	<0.1	<0.05	46.9	0.6	18	<0.2



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	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
STD OREAS45CA	Standard		1.0	486.6	19.3	61	0.2	237.0	89.6	937	15.60	4.5	43.6	7.2	15	0.1	0.2	0.1	208	0.44
STD OREAS45CA	Standard		0.8	517.8	19.8	59	0.3	258.6	90.3	930	15.61	2.8	35.5	7.3	14	0.1	<0.1	0.1	223	0.41
STD OXD87	Standard	400																		
STD OXD87	Standard	410																		
STD OXD87	Standard	402																		
STD OXD87	Standard	442																		
STD OXG99	Standard	894																		
STD OXG99	Standard	896																		
STD OXG99	Standard	972																		
STD OXG99	Standard	933																		
STD OXG99 Expected		932																		
STD OXD87 Expected		417																		
STD OREAS45CA Expected			1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
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	<2																		
BLK	Blank	<2																		
BLK	Blank	<2																		
BLK	Blank	<2																		
BLK	Blank	<2																		
BLK	Blank		<0.1	0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank	<2																		
BLK	Blank	<2																		
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-WHI	Prep Blank	<2	0.2	2.3	3.5	53	<0.1	4.5	5.0	614	2.17	<0.5	<0.5	5.0	52	<0.1	<0.1	<0.1	37	0.47
G1-WHI	Prep Blank	<2	<0.1	1.8	2.6	48	<0.1	4.3	5.0	605	2.10	<0.5	<0.5	5.5	53	<0.1	<0.1	<0.1	37	0.44

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		1DX P %	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Tl ppm	1DX S %	1DX Sc ppm	1DX Se ppm	1DX Ga ppm	1DX Te ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
STD OREAS45CA	Standard	0.039	16	689	0.13	165	0.125	<20	3.44	0.009	0.07	<0.1	0.04	<0.1	<0.05	44.5	1.1	19	<0.2
STD OREAS45CA	Standard	0.037	16	728	0.14	162	0.146	<20	3.66	0.007	0.07	<0.1	0.03	<0.1	<0.05	43.2	<0.5	18	<0.2
STD OXD87	Standard																		
STD OXD87	Standard																		
STD OXD87	Standard																		
STD OXD87	Standard																		
STD OXG99	Standard																		
STD OXG99	Standard																		
STD OXG99	Standard																		
STD OXG99	Standard																		
STD OXG99 Expected																			
STD OXD87 Expected																			
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4	
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	5.3	0.1615	2.5	5.2	4.59	5.02
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
Prep Wash																			
G1-WHI	Prep Blank	0.078	9	12	0.62	252	0.132	<20	0.99	0.064	0.52	<0.1	<0.01	0.3	<0.05	2.2	<0.5	5	<0.2
G1-WHI	Prep Blank	0.079	10	12	0.62	238	0.134	<20	1.01	0.069	0.50	<0.1	<0.01	0.3	<0.05	2.3	<0.5	5	<0.2

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