



## ASSESSMENT REPORT TITLE PAGE AND SUMMARY

**TITLE OF REPORT: Geological and Geochemical Report on the Kitza Property**

**TOTAL COST: \$68,654.00**

AUTHOR(S): Linda Dandy, P.Geo.  
SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): N/A  
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YEAR OF WORK: 2011

PROPERTY NAME: Kitza Property

CLAIM NAME(S) (on which work was done): Kit 1 to 10, Kit 98 to 100, Kitza, Kitza Again

COMMODITIES SOUGHT: Au, Ag, Cu, Pb, Zn

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 094M 018

MINING DIVISION: Liard

NTS / BCGS: 094M.051/052/062

LATITUDE: \_\_\_\_\_° \_\_\_\_\_', \_\_\_\_\_"

LONGITUDE: \_\_\_\_\_° \_\_\_\_\_', \_\_\_\_\_" (at centre of work)

UTM Zone: 9 EASTING: 571000 NORTHING: 6603500

OWNER(S): Colorado Resources Ltd.

MAILING ADDRESS:

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West Kelowna, BC  
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OPERATOR(S) [who paid for the work]: Colorado Resources Ltd.

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REPORT KEYWORDS (Kitza Creek Facies, Devonian to Silurian, siltstones, unconformity, calcareous, carbonaceous, alteration, sedex, Carlin Au)

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

**LIVGARD, E. and CHOW, R.**, 1997; Geochemical Report on the Kechika Property F - Claim Block: BC Ministry of Mines Assessment Report #25272.

**MILLER, D.C. and HARRISON, J.C.**, 1981; Geological and Geochemical Report on the Peg - 1 to Peg - 5, Rous - 1 and Rous - 2, Jw - 3 and Jw - 4 Claims: BC Ministry of Mines Assessment Report #09442.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)	Plus report writing	All claims	10589.00
Ground, mapping			
Photo interpretation			
GEOCHEMICAL (number of samples analysed for ...)	363	840733 840734 840736 840738 840741 896527	21,882.00
Soil			
Silt	44		
Rock			
Other			
RELATED TECHNICAL	363 soils, 44 rocks		8974.00
Sampling / Assaying			
Petrographic			
Mineralographic			
Metallurgic		840731 840736 840738 840741 896527	25,808.00
PROSPECTING (scale/area)			
PREPARATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Underground development (metres)			
Other			
		<b>TOTAL COST</b>	

**BC Geological Survey  
Assessment Report  
33291**

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

**LIARD MINING DIVISION, BC  
MAPSHEETS: 094M.051/052/062  
UTM ZONE 9, NAD 83: 6603500N, 571000E**

**CLAIMS WORKED:  
KIT 1 TO 11  
KIT 98 TO 100  
KITZA  
KITZA AGAIN**

**for**

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

**by**

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

**March 7, 2012**

## SUMMARY

The Kitza Property, hosting precious and base metal sedimentary-related gold and copper-lead-zinc prospects, is located 180 kilometres northeast of Dease Lake in north-central British Columbia. The Property lies within the Kechika Trough, a sedimentary basin developed off the western shelf of Ancestral North America during early Paleozoic time. The most economically important mineral deposits in the Kechika Trough, and one of the exploration targets of this program are zinc-lead-silver sedimentary exhalative (sedex) deposits. Recent activity in the Yukon, along this same stratigraphic belt, has also identified its potential to host Carlin style gold mineralization which led Colorado Resources Ltd. (“Colorado”) to acquire the claims.

In 1981, Sulpetro Minerals Inc. (“Sulpetro”) collected 2016 soil samples and conducted geological mapping of outcrops along the stream valleys, although no rock samples were collected for analysis. Numerous small tetrahedrite, sphalerite and barite vein showings were noted, occurring in limy mudstones of Middle Cambrian, and Siluro-Devonian age. Copper, lead, zinc, and silver soil geochemical anomalies are extensive, though patchy, and reflect the irregular distribution of overburden and the nature of bedrock mineralization (Millar and Harrison, 1981).

In 1997, the BC Geological Survey Branch conducted a fairly detailed lake sediment sampling program throughout this belt. One of the highest gold values (98<sup>th</sup> percentile) was returned from a sample collected near the centre of the claim block, indicating that gold potential exists.

Sulpetro did not analyze any of their soil samples for gold, therefore the program by Colorado in 2011 included collecting soil samples along existing soil lines and in new areas to both confirm the historic copper, lead, zinc and silver values and also to determine gold content in the soil samples. Rock grab samples were collected from quartz veins and mineralized outcrops during the prospecting program.

This report presents the results of the 2011 exploration program consisting of prospecting, soil geochemical and rock sampling. Results of the wide spaced soil sampling program confirm the historic anomalies and have returned gold geochemical values on the south end of the grid area. Additional and more systematic soil sampling is required in order to better determine the precious and base metal potential of the Kitza Property.

For 2012, a two phase exploration program is recommended. Phase I will consist of a wide-spaced soil geochemical survey with lines spaced 400 metres apart with sample stations at 50 metres, covering the central portion of the claim block. Prospecting, geological mapping and rock sampling will be done coincident with the soil sampling program. A Phase II program is dependent upon the results of Phase I and will include infill and expanded soil sampling where warranted and ground or airborne geophysical surveys to locate significant control structures for mineralization. The Phase I program is budgeted at \$185,000 and Phase II at \$315,000.

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## **1) INTRODUCTION**

The Kitza Property, hosting both Sedex lead-zinc-copper-silver and Carlin type gold targets, is located in north-central British Columbia approximately 85 kilometres south-east of Watson Lake, Yukon. The property is owned 100% by Colorado Resources Ltd. (“Colorado”).

Colorado acquired this property after examination of historic assessment reports from previous exploration programs, and noting that along with Sedex style mineralization in soil geochemistry, rock lithologies are also amenable to hosting Carlin type gold mineralization along trend to the north in the Yukon. In 2011, Colorado conducted a soil sampling and prospecting program on the property. The soil sample results confirm the presence of a multi-element soil geochemical anomaly.

## **2) LOCATION AND ACCESS**

The Kitza Property is located on the south end of Tatisino Mountain, 85 kilometres southeast of Watson Lake, Yukon, and 180 kilometres northeast of Dease Lake, British Columbia (Figure 1). The claims cover an area of approximately 5700 hectares and are centred at UTM 6603000N, 571000E (Zone 9) within mapsheets 94M.051, 52 and 62.

Access to the Kitza Property is via helicopter 85 kilometres southeast from Watson Lake, Yukon. The Alaska Highway passes by the property 65 kilometres to the east near the small community of Coal River. Old 4x4 roads come within a few kilometres of the property, but their condition is unknown.

## **3) PHYSIOGRAPHY**

The Kitza Property is located on a topographically hilly area of the Liard Plain with relief ranging from 700 to 900 metres. Topography can generally be described as rolling hills with deeply incised canyons and valleys, typically where sparse outcropping occurs (<5%). While canyons are steep and sharply incised for the most part, the gradients for the contained streams are flat with low energy flows and volume. These creeks are almost always dammed and under the influence of active beaver populations. As a result, shallow lakes and ponds have formed and dominate most areas that were formally meadows or more readily accessible swamps. Natural helicopter pads are extremely limited on Kitza and the scant availability of these “beaver pond pads” entirely dictated where field work was conducted during this brief program (Coolidge, 2011).

The entire Kitza property is situated in a low lying timbered region and consists of either of mixed, heavily treed spruce, balsam and pine forest. Notably, this style of dense forest grows on northerly facing slopes and has been previously burnt (+-100 years?). Conversely, mature but dwarfed, poplar are usually limited to more open south facing

hillsides while larger poplar with moderately dense alder as under growth are plentiful in flatter, till covered areas (hilltops) and previously burnt areas.

The ground is drained by Kitza Lake and the Mustela-Wadin Creek system which flows easterly into the Kechika River. Steep south facing slopes are grassy and tree covered, with short stretches of talus and outcrop. The claim is extensively covered by glacial till, with outcrop generally limited to creek gullies. Ice movement was southeasterly in this area.

The climate is typical of northern continental regions, with temperatures ranging from about -25° C in January to 15° C in July. Much of the precipitation falls as snow, with annual snowfall averaging 219 centimetres. Field work can be carried out from about May to October.

#### **4) CLAIM INFORMATION**

The Kitza Property is located within the Liard Mining Division and consists of 16 mineral tenures totaling 5707.44 hectares (Figure 2). Claim information is listed in Table I. The claims are owned 100% by Colorado Resources Ltd.

**TABLE I  
CLAIM INFORMATION**

<u>Claim Name</u>	<u>Tenure #</u>	<u>Hectares.</u>	<u>Expiry Date</u>
KIT 1	840731	393.55	December 13, 2012
KIT 2	840732	410.07	December 13, 2012
KIT 3	840733	393.70	December 13, 2012
KIT 4	840734	393.84	December 13, 2012
KIT 5	840735	410.23	December 13, 2012
KIT 6	840736	410.36	December 13, 2012
KIT 7	840737	393.77	December 13, 2012
KIT 8	840738	393.42	December 13, 2012
KIT 9	840739	393.28	December 13, 2012
KIT 10	840740	409.70	December 13, 2012
KIT 11	840741	344.50	December 13, 2012
KIT 99	896527	409.92	September 12, 2012
KITZA	896528	393.50	September 12, 2012
KITZA AGAIN	896530	82.00	September 12, 2012
KIT98	904134	98.42	September 30, 2012
KIT100	904132	377.18	September 30, 2012



## **5) HISTORY**

In 1980 and 1981, exploration programs were carried out on the Kitza Property by Sulpetro Minerals Inc (“Sulpetro”). Due to a rarity of outcrop, mineral exploration prior to work by Sulpetro had been subdued in the Kitza Lake area. In the late 1970s and early 1980s, regional exploration programs throughout the Ketchika Trough were conducted by Texasgulf, St. Joseph Exploration Limited and Cyprus Anvil Mines aimed at Selwyn Basin type Pb-Zn-Ba targets.

Sulpetro cut a 60 line kilometre soil sampling grid on the Kitza Property in 1980. 2016 soil samples were collected from the grid in 1981, along with geological mapping of outcrops along the stream valleys. Numerous small tetrahedrite, sphalerite and barite vein showings were located in limy mudstones of Middle Cambrian, and Siluro-Devonian age. Copper, lead, zinc, and silver soil geochemical anomalies are patchy, and reflect the nature of bedrock mineralization (Millar and Harrison, 1981).

In 1997, Tizard Explorations Ltd. did a small lake sediment sampling program at Kitza Lake. From the four samples collected, results show that three of the samples returned anomalous values in elements including zinc, molybdenum, nickel, antimony, mercury and gold (Livgard and Chow, 1997).

Also in 1997, BC Geological Survey Branch did an extensive lake sediment survey throughout this belt (Ferri et al, Open File 1997-14). One sample collected near the centre of the Kitza claim block returned a 98<sup>th</sup> percentile gold value (>10 ppb) giving an indication that there is also gold mineralization potential in this area (see Figure 5).

## **6) WORK DONE BY COLORADO RESOURCES LTD. IN 2011**

Between September 23 and 29, 2011, exploration work was carried out by Colorado on the Kitza Property. This exploration program consisted of collecting 362 soil samples, partially on the historic Salpetro grid and partially over new grid lines to the south. Two prospectors were also engaged to locate and sample mineralized outcrops as shown on the historic Salpetro geological maps. A total of 44 rock samples and one silt sample were collected.

Work was completed by a four person crew using daily helicopter access from the town of Watson Lake, Yukon.

## **7) GEOLOGY**

### **REGIONAL GEOLOGY**

Regional geology of the northern Ketchika Trough is well described by Ferri et al (1996), and summarized below (Figure 3).

*The Kitza Property area is in Ancestral North America, close to the transition between Paleozoic platformal sedimentary rocks and their more basinal equivalents in the Kechika Trough, the southeastern arm of the Selwyn Basin. Regionally, the latter is host to stratiform barite-lead-zinc mineralization.*

*The Kitza Property is in the Rabbit Plateau and outcrop is limited, generally confined to incised creek valleys. However, mapping has defined a succession, over 1000 metres thick, of mainly fine-grained sedimentary rocks and minor tuffs ranging in age from possibly Upper Proterozoic to Devonian. The oldest rocks in the succession dominate the northern part of the property and consist of pyritic phyllite, slate and limy siltstone of Upper Proterozoic or Cambrian age. These are overlain by Lower Cambrian black mudstone, limy mudstone and minor pyritic siltstone, followed by thinly bedded limy mudstone, limestone, tuff, chert and siltstone of Middle Cambrian age. Above this is the Ordovician to Lower Devonian Road River Group, composed of slaty siltstone, mudstone and calcareous mudstone, cherty mudstone, shale and sandstone. Some of the shale contains Upper Ordovician graptolites. The Silurian-Devonian part of the group is dominantly calcareous, comprising limy mudstone, limestone and calcareous sandstone. The youngest unit present is the Devonian-Mississippian Besa River Formation, composed of slaty and cherty mudstone, shale and siltstone.*

*The oldest, phyllite unit appears to dip steeply to the east or west. The overlying Paleozoic succession is separated by an angular unconformity and bedding within it is rather variable, the general strike being west or northwest, with moderate southerly or southwesterly dips. Northwest-striking thrust faults have been mapped locally, and probably have exerted some control on topography. This is also true for northeast-striking cross faults, as outcrops of fault breccia or solution breccia are common in valley bottoms.*

*The Kitza Property is underlain by an alternating sequence of Road River Group and Kitza Creek facies (of either Road River or Earn Group). Immediately to the east lies either undifferentiated Hyland Group sediments or minor Ketchika Group rocks. These units are described below.*

#### **Ketchika Group (Upper Cambrian to Lower Ordovician)**

*Although poorly exposed, the Ketchika Group is quite extensive and displays a degree of thickness and lithologic variations not seen in other rock packages. It is less than 50 metres thick to the south where it is difficult to distinguish from dark slates of the lower Road River Group. It quickly thickens to the northwest*

*consisting of thinly to thickly interbedded calcareous slate and limestone or silty limestone.*

*Road River Group (Middle Ordovician to Middle Devonian)*

*The Road River Group is divided into two informal subunits. There is an unnamed lower sequence of black shale, siliceous shale, chert and minor limestone, known as the Duo Lake Formation in the Selwyn Basin, and an upper sequence of distinctive buff-orange weathering, bioturbated dolomitic siltstone, informally referred to as the 'Silurian Siltstone'. Road River exposures are dominated by the Silurian Siltstone unit due to its relatively resistant nature.*

*No macro-fossils were found in the Road River Group, although mid-Ordovician graptolites have been recovered in the past from slates in the Kitz Creek area (Miller and Harrison, 1981).*

*The Silurian Siltstone is the most compositionally uniform unit in the map area. It consists of orange to brown weathering, grey to greenish-grey, wispy, bioturbated siltstone to dolomitic siltstone, argillite and slate. It is thinly to thickly bedded. Stratification is difficult to discern in more massive beds due to bioturbation, but is quite laminar in undisturbed sections and can display cross-stratification. Siltstone may contain recessive beds of grey to dark grey argillite to silty argillite which is gradational with siltstone. Minor lithologies include grey limestone, grey to grey-brown banded chert and fine to very fine grained, grey to dark grey quartz sandstone to quartzite.*

*Kitza Creek Facies (Lower or Middle Paleozoic)*

*Around Kitz Creek, there are mappable units of Silurian Siltstone of the Road River Group, and also substantial areas of dark grey to black, carbonaceous calcareous siltstone, silty limestone, siltstone, argillite, slate and chert. The stratigraphic positions of this latter group of rocks is not clear because no fossil control is yet available, and contact relations with the Road River Group have not been determined. Basically, it is not known if this lithological assemblage, called the Kitz Creek facies by Ferri et al (1997) is older or younger than, or equivalent to the Road River Group. The slates and argillites resemble the Earn Group, but the associated abundant calcareous material is not typical of the Earn regionally. However, east of the Ketchika River, similar lithologies apparently sit stratigraphically above the Silurian Siltstone and so have been assigned to the Earn Group despite their calcareous nature.*

*As an alternative, the Kitz Creek facies also have some properties compatible with rock of broadly Ordovician to Silurian age of the Road River Group, although nowhere in this area is this unit particularly calcareous. However, in the Paul River area of the southern Ketchika Trough, Gabrielse (1981) mapped lower Road River rocks that consist of dark grey to black calcareous shale, slate and siltstone succeeded by interbedded platy silty slate, shale and conspicuous limestone beds, a description that fits rocks of the Kitz Creek facies.*

*A third possibility is that the Kitza Creek facies is a distinct unit intermediate between the Road River and Earn, equivalent to an Early to Middle Devonian clastic and carbonate sequence documented in the southern Ketchika Trough. Fossil control is needed to resolve these possibilities.*

*Kitza Creek rocks are characterized by dark grey to black, carbonaceous siltstone to silty argillite and shaly slate. All of these can be calcareous to varying degrees and be interlayered with thinly to thickly bedded buff, pale to medium grey weathering, dark grey to black, silty to argillaceous fetid limestone. Limestone is platy to blocky and poorly cleaved, and in some sections is quite thick forming prominent topographic ribs. Associated with these lithologies are thin layers of grey-weathering, calcareous quartz sandstone to sandy limestone and pale grey calcareous tuff. The sandstones consist of rounded quartz grains, and argillite and carbonate clasts. Sandstone horizons can be quite massive and several metres thick. Limestone is also found with thinly laminated, orange to brown weathering, grey dolomitic siltstone. Calcareous and siliciclastic rocks locally are interbedded with medium bedded, dark bluish grey to black chert. Elevated barium concentrations occur in argillaceous limestone at one locality on Kitza Creek.*

#### PROPERTY GEOLOGY

The Kitza property was mapped in 1981 by Sulpetro. Outcrops are generally confined to creek gullies. The following property geology is summarized from Miller and Harrison (1981).

*The Kitza Property is underlain by a gently warped sequence of siltstones, limy mudstones, calciturbidites, and distal ash tuffs. A well preserved graptolite locality combined with careful structural measurements suggests that over 1000 metres of deep basin, fan base related sediments ranging from Lower Cambrian to Lower Devonian are represented in the geology of the claim group.*

*Numerous scattered showings of tetrahedrite, sphalerite, barite, and fluorite have been found within dewatering vein structures associated with Cambrian, and Silurian fetid limy mudstone.*

"Phyllite Unit" (note: probably equivalent to undifferentiated Hyland Group Rocks)

*The base of the stratigraphic section is represented by a structurally complex range of phyllites, slaty phyllites, thin banded brown limy siltstones and grey phyllites. Slaty cleavage is prominent in all outcrops and cuts through all stratigraphic banding. Two to five percent coarse cubic pyrite is scattered through the unit.*

*Outcrops of the "Phyllite Unit" on Tatisino Mountain include phyllites, calcareous sandstone and quartz pebble para-conglomerate. Base of the*

*sequence is unknown and thickness is difficult to estimate due to structural complexity.*

*Sekwi Formation* (Ketchika formation?)

*Rocks tentatively assigned to the Sekwi Formation (Lower Cambrian) outcrop along the east side of the property. Mapping suggests that this unit may pinch out to the west. It lies with angular unconformity on rocks of the “Phyllite Unit”, but is conformable with younger Rabbit Kettle Formation.*

*The lower section includes roughly 60 metres of black mudstone, limy mudstone, and minor pyritic cross laminated siltstone. The upper section includes fissile, red weathering slaty siltstone that may be up to 50 metres thick.*

*Rabbit Kettle Formation* (note: same as or including Kitza Creek facies)

*This unit is time-stratigraphically equivalent to the wavy banded limestone of this formational name that has been mapped throughout the eastern Selwyn Basin, Yukon. It has been assigned to the Middle Cambrian.*

*This formation can be traced for up to 16 or more kilometres in a northwesterly direction through the claim group. It is divided into a lower and upper section. The lower section includes thin to medium bedded, cliff forming mudstone, limy mudstone, fetid limestone, and distal ash tuff (110 metres). The medium bedded limy mudstones are associated with dewatering veins that contain minor quantities of honey brown sphalerite, tetrahedrite, white sparry barite, calcite and quartz.*

*The upper section of the formation includes thin bedded ash tuff, laminated tuff, chert, tuffaceous siltstone, and minor medium bedded limy mudstone (50 metres). This is a recessive weathering unit and contains no base metal mineralization.*

*Road River Formation*

*In the Selwyn Basin, the Road River Formation is composed of various mudstones, shales, cherts and calcareous mudstones. The Road River section on the Kitza Property is generally coarser grained especially in the lower part of the section. The formation has been divided into two mappable units.*

*The lower-most unit is composed of 100 metres of interbedded buff weathering siltstone and grey slaty mudstone grading up into buff weathering greywacke, lithic orthoquartzite, and siltstone. The middle Road River member includes 75 metres of grey slaty mudstone with minor siltstone. The upper member includes up to 175 metres of cherty mudstone, mudstone, shale, graptolitic shale, and minor laminated sandstone (90 metres). The formation becomes increasingly calcareous upwards into an upper zone of limy mudstone, limy siltstone, and limestone (85 metres).*

*Graptolites found in fissile shale beds in the cherty mudstone section of the upper member include Climacograptus sp., Dicellograptus sp. and Orthograptus sp. These graptolite varieties were dominant in the Upper Ordovician (Caradocian).*

#### Siluro - Devonian Carbonates

*This unit varies significantly in thickness across the map sheet. There is also some indication that it has been structurally thickened by minor thrust faults sub-parallel to layering. Up to 360 metres of limy mudstone, limestone, fetid micritic and pelletal limestone, calcareous sandstone, and mudstone are represented. Marker beds were not traceable at this scale of mapping (1:10,000). Medium bedded fetid limy mudstones contain patchy occurrences of sphalerite, tetrahedrite, barite, calcite, quartz and fluorite, in vein structures similar to those in the Rabbit Kettle Formation.*

#### Structure

*The "Phyllite Unit" forms an effective basement to the lower Paleozoic stratigraphy towards the north boundary of the property. Burial metamorphism and structural deformation is responsible for the steep north northwest foliation in the unit. Layering appears to strike northwest in this unit, but dips are variable.*

*The Paleozoic stratigraphy lies with angular unconformity on the "Phyllite" unit. It has been gently warped into a northwest to west striking monocline that dips at angles up to 500 to the southwest.*

*The lowermost units appear to be discontinuous across the map sheet. This may be a primary stratigraphic feature caused by facies pinch outs, or it may have resulted from displacement along a prominent basal thrust.*

*Low angle thrust planes have been mapped in several large cliff faces and may be responsible for some of the northwest striking topographic linears. North and northeast striking dry valleys that cut the stratigraphy are undoubtedly fault controlled. Outcrops in these valley bottoms often contain collapse brecciation zones with an open, limonitic, siliceous, or calcitic matrix between broken sedimentary fragments. Sparse smithsonite or barite has also been noted as fracture filling materials.*

#### Economic Geology

*Sphalerite, tetrahedrite, barite, calcite, and quartz occur in dewatering vein structures associated with medium bedded limy mudstones within the lower member of the Rabbit Kettle Formation. Up to 23 showings of this type have been found over a strike length of twelve kilometres. The veins are found in a density of about one per 100 sq. cm. Base metal grades are low. The limy mudstone beds typically make up 20 percent of the unit. The fissile interbeds are barren.*



*Similar vein mineralization was located in about ten showings throughout the sequence of Siluro-Devonian carbonates. Grades are lower and many of the showings contain only one of the ore minerals. Pale green fluorite was identified in several showings. As well as these showings, smithsonite is found in fault related brecciation zones within other formations.*

*Since there is no evidence of igneous or hydrothermal activity locally or regionally, it must be assumed that the mineralization originated in the enclosing beds. The veins may have been generated during burial and secondary dewatering of the sedimentary package (Miller and Harrison, 1981).*

In the Selwyn Basin of the Yukon, along trend to the north, Carlin gold style mineralization has been identified in limy sediments associated with the Earn and Road River Groups. Although Carlin targets have not had much previous exploration in northern British Columbia, there is no reason to expect that the Yukon Carlin Belt stops at the BC-Yukon border.

## **8) GEOCHEMISTRY**

### **ROCK SAMPLING TECHNIQUES AND ANALYSES**

During the course of the prospecting program, 44 rock grab samples were collected. Grab samples consist of several golf ball to fist size pieces of rock representing a certain rock or mineralization type. All sample sites were marked with fluorescent flagging marked with the sample number.

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

### **ROCK SAMPLE RESULTS**

Outcrops and associated float that were observed and/or sampled were located in the north central and northeast section of the property and from a small area in the extreme southeast. In the northern areas, the outcrops comprised largely of dark grey-black argillaceous shale and light grey phyllite or brown weathered siltstone and calcareous grey siltstone. Weak fabric or beddings range from steeply dipping, north trending to flatly bedded units along canyons, as observed from the helicopter. Dip slopes of greater than 70 degrees were also observed in local proximity to outcrops exposed on cliffs in gullies in northern sectors of the property, which may indicate intense folding or deformation of the rock units.

The majority of the rock samples collected for assay were comprised of white bull quartz or quartz-carbonate veining and associated vein float. In float, quartz veins range in size from 4 centimetres to one metre wide. A majority of the quartz veining that was observed

in situ (6-10 centimetre scale) were generally parallel to bedding or foliation and for the most part trended north and like the host rock and are steeply dipping. The quartz veins also had a relatively discontinuous or limited strike length which may reflect lenses or swaths rather than true vein systems (Coolidge, 2011).

Certificates of Analysis can be found in Appendix I. Table II shows results from the rock grab sampling program. Figure 4 shows sample locations.

**TABLE II  
ROCK SAMPLE RESULTS**

SAMPLE	NORTH	EAST	Au ppb	Ag Ppm	Cu ppm	Pb ppm	Zn ppm	DESCRIPTION
1285501	6605170	570822	<2	<0.1	9.4	42.8	48	Black shale
1285502	6605161	570838	<2	<0.1	5.0	29.7	48	Float, qtz vein with minor hematite
1285503	6605093	570916	<2	<0.1	14.4	6.0	64	Qtz vein with minor hematite
1285504	6604994	570835	2	<0.1	5.7	15.3	30	Black phyllite with qtz veins and minor hematite
1285505	6604996	570823	3	<0.1	1.6	8.2	14	Sandstone with qtz veins, minor hematite and malachite
1285506	6604985	570811	<2	<0.1	2.3	14.3	30	Sst with qtz veins, minor hematite and malachite
1285507	6605095	570912	3	<0.1	3.2	1.0	12	1 metre qtz boulders
1285508	6604964	570854	<2	<0.1	0.9	16.1	14	Qtz vein
1285509	6604947	570876	<2	<0.1	1.3	10.4	20	Black shale with qtz vein
1285510	6604966	570866	<2	<0.1	1.8	6.4	13	Sst with qtz vein near lm qtz boulders
1285511	6604983	570892	<2	<0.1	0.8	3.9	26	Sst with qtz vein
1285512	6605017	570838	3	<0.1	1.5	10.3	42	Phyllite with qtz vein
1285513	6604931	570923	<2	<0.1	2.6	39.6	20	Phyllite with qtz vein
1285514	6604915	570977	2	<0.1	1.9	11.5	28	Qtz vein float
1285515	6604604	571034	2	1.9	144.1	0.8	1730	Grey calcareous qtz vein
1285518	6604695	571037	2	<0.1	21.0	2.4	45	Qtz vein
1285519	6604739	571047	<2	<0.1	4.3	4.8	27	Series of qtz veins
1285520a	6601557	575445	<2	<0.1	2.3	3.6	21	Calcareous sh/sst with qtz stockwork
1285520b	6604745	571040	<2	<0.1	2.3	3.6	21	3 metre wide qtz vein
1285521	6601580	575432	<2	<0.1	0.5	1.0	7	Calcareous sh/sst with qtz stockwork
1285522	6601692	575706	<2	0.1	11.8	9.1	33	Black sh with qtz stockwork
1285523	6601709	575712	<2	<0.1	7.9	4.9	22	Black sh/calcareous sst with qtz stockwork
1285524	6601723	575775	<2	<0.1	5.0	1.7	17	Black sh/calcareous sst with qtz stockwork
1285525	6601666	575023	5	0.6	102.9	0.9	335	Black sh/calcareous sst with qtz stockwork
1285526	6604007	570468	<2	0.3	33.3	2.5	570	Black sh/sst with qtz and gouge
1285527	6603969	570460	3	0.8	112.3	1.3	319	Black sh/sst with qtz, gouge and heavy sulphides
1285528	6603871	570449	2	0.3	42.5	1.2	120	Black sh/sst with qtz
1285529	6603840	570455	<2	0.1	5.0	1.1	143	Black sh/sst with qtz stockwork
1285530	6603890	573034	16	0.3	59.8	14.7	446	Sst
1285531	6603816	573016	8	1.2	65.7	9.8	448	Sst/sh with qtz veinlets
1285532	6603960	573009	9	0.5	50.1	3.9	181	Sst/sh with qtz veinlets
1285551	6605262	570800	<2	<0.1	1.2	7.9	20	4cm qtz-cb vein with limonite
1285552	6605263	570801	<2	<0.1	0.7	1.1	11	Qtz vein float, weak hematite and limonite
1285553	6605269	570801	<2	<0.1	0.5	0.8	9	Qtz vein float, weak limonite and chlorite
1285554	6605289	570845	6	<0.1	1.2	5.6	64	Qtz vein, strong limonite



SAMPLE	NORTH	EAST	Au ppb	Ag Ppm	Cu ppm	Pb ppm	Zn ppm	DESCRIPTION
1285555	6605306	570850	<2	<0.1	2.3	19.9	25	Qtz sweat, pervasive weak limonite
1285556	6605281	570815	3	<0.1	1.2	1.4	16	Qtz vein, weak limonite and chlorite
1285557	6605228	570785	2	<0.1	0.8	8.0	13	Qtz-cb vein float
1285558	6605452	571544	2	<0.1	1.1	3.9	20	Phyllite with qtz flooding
1285559	6605321	570918	<2	<0.1	2.0	10.9	39	Qtz vein, weak limonite
1285560	6604371	573164	<2	0.3	163.9	1.6	2024	Limy mudstone, trace malachite and tetrahedrite
1285561	6604335	573144	<2	0.2	735.5	0.4	12300	Mudstone with qtz-cb stockwork, tetrahedrite and green oxide (smithsonite?)
1285562	6604330	572981	10	3.7	115.7	14.6	66	Shale with trace py and yellow oxide
1285563	6604260	572942	<2	0.2	7.4	5.3	87	Phyllite with qtz stringers

Sample results for silver, copper, lead, zinc and gold can be found on Figures 6 through 10, respectively. Gold and silver assay values for all rock samples are low.

Three zinc values of >1000 ppm were returned, with the highest value of 1.23% correlating with the highest copper value of 735.5 ppm. This sample was from a tetrahedrite and smithsonite(?) bearing quartz-carbonate stockwork zone in mudstone. This sample is adjacent to a sample that ran 2024 ppm zinc and is located in an area showing high historic zinc and moderate copper soil geochemical anomalies. Colorado's 2011 soil sampling lines did not cover this area.

#### SOIL AND SILT SAMPLE TECHNIQUES AND ANALYSES

During the 2011 exploration program, a total of 362 soil samples and one silt sample were collected. The soil samples were collected along grid lines put in at up to 400 metre spacings, partially overlapping the historic Salpetro grid lines. Samples were collected at 25 or 50 metre intervals along the lines. Also, one silt sample was collected from a small creek intercepted during the soil sampling program. Figure 4 shows the locations of the soil and silt samples.

Soil samplers collected 'B' horizon soil whenever possible, however deep till or colluvium occasionally did not allow for consistent 'B' horizon sampling. Soil samples were collected using a mattock or hand auger and were taken from the "best looking" soil material available at each station. The silt sample consists of stream fines collected along a small drainage by manually scooping fine material into a cloth stream sediment bag.

Sample sites were labeled with fluorescent flagging with the assay tag number recorded on it, and soil was placed in correspondingly labeled Kraft soil bags and silt in a labeled cloth silt bag. The soil and silt bags were identified using a bar-coded assay tags stapled on the outside and a second tag with the same number being inserted into the sample bag.

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

## DISCUSSION OF RESULTS

Sample results for silver, copper, lead, zinc and gold are plotted on Figures 6 through 10, respectively. The historic Sulpetro soil geochemical anomalies for silver, copper, lead and zinc are plotted as background on the corresponding element maps. On Figure 10, the gold geochemistry map, the background shows historic silver anomalies as Sulpetro did not analyze their samples for gold. Four of the 2011 soil sample lines are within the Sulpetro grid area, plus 5 lines are located to the southeast (along trend) of the historic sampling.

On Figure 6, the 2011 silver geochemistry lines up well with the anomalies located by Sulpetro. To the south of the historic sampling, the two eastern lines show spotty high silver soil geochemistry while the other three lines returned only very low values. The highest silver value of 4.7 ppm is located in the very northeast corner of the grid area. The higher soil values throughout the map sheet correlate to the Road River Group Kitza Creek (Rabbitkettle) facies calcareous, carbonaceous siltstones. The low values tend to be underlain by the Road River Group "Silurian Siltstone" facies.

Figure 7 shows the copper geochemistry, and as with silver, the 2011 copper values generally line up with the historic anomalies. The highest copper soil value of 100.5 ppm lies within a 51-82 ppm contour from the historic survey. The very southern, short soil line also has a number of elevated copper samples indicating the unexplored potential in this area.

Figure 8 shows the lead geochemistry, again with the 2011 values correlating well with the historic anomalies. The four southern lines all show spotty high lead values with the highest soil sample of 42.9 ppm being located centrally on the southern lines.

Figure 9 shows the zinc geochemistry which, somewhat surprisingly, does not correlate strongly with the lead geochemistry, but rather is more closely related to the silver areas. The several of the highest zinc values are located along the southern lines (in the previously unsampled area) with the highest value being 1375 ppm. The higher zinc values relate to the Kitza Creek facies.

Figure 10 shows the gold geochemistry values on a background of historic silver contours. Gold values do not correlate well with silver values and show an increase in the more southerly lines. The highest gold value is 19.2 ppb, located within the generally unmineralized "Silurian Siltstone" facies. Other anomalous values occur within the limy sediments of the Kitza Creek facies. The highest zinc soil value correlates to a gold value of 10.2 ppb, which also has elevated values in Carlin indicator elements arsenic (124.8 ppm), antimony (31.1 ppm) and mercury (1.37 ppm). The increase in gold mineralization on the south portion of the 2011 soil sampling area indicates a potential for Carlin style mineralization to exist in the south part of the claim group.

## **9) CONCLUSIONS**

The Kitza Property lies within the Kechika Trough, a sedimentary basin developed off the western shelf of Ancestral North America during early Paleozoic time. To date, the most economically important mineral deposits in the Kechika Trough, and one of the exploration targets of this program are zinc-lead-silver sedimentary exhalative (sedex) deposits.

In the Selwyn Basin of the Yukon, along trend to the north, Carlin gold style mineralization has also been identified in limy sediments associated with the Earn and Road River Groups. Although Carlin targets have not had much previous exploration in northern British Columbia, there is no reason to expect that the Yukon Carlin Belt stops at the BC-Yukon border.

Historic work by Sulpetro in 1981 outlined widespread, patchy silver, copper, lead and zinc soil geochemical anomalies. Sulpetro did not analyze the samples for gold. In 1997, a BC Geological Survey Branch lake sediment survey returned a 98<sup>th</sup> percentile gold value in the centre of the Kitza claim block, indicating that gold potential exists in this area.

Colorado's work in 2011 confirmed the historic soil sampling results obtained by Sulpetro for silver, copper, lead and zinc. In addition, five soil sample lines put in to the south of the historic grid area showed high, spotty zinc, silver and gold values related to the limy sediments of the favourable Kitza Creek facies. Notably, the highest zinc value also returned elevated gold, plus elevated Carlin style indicator elements arsenic, antimony and mercury.

The encouraging geochemical results from the small 2011 exploration program indicate the potential for the Kitza Property to host sedex style lead-zinc mineralization and/or Carlin style gold mineralization. An expanded geochemical survey and geological mapping is required in order to better define the mineral assemblages and their lithological/structural associations.

## **10) RECOMMENDATIONS**

For 2012, a two phase exploration program is recommended. Phase I will consist of a wide-spaced soil geochemical survey with lines spaced 400 metres apart with sample stations at 50 metres. The grid area will cover the central and south portion of the claim block, over the mapped Kitza Creek facies. Prospecting, geological mapping and rock sampling will be done coincident with the soil sampling program.

A Phase II program is dependent upon the results of Phase I and will include infill and expanded soil sampling where warranted and ground or airborne geophysical surveys to locate significant control structures for mineralization. The Phase I program is estimated at \$185,000 and Phase II at \$315,000.

Respectfully submitted,

Linda Dandy, P.Geo.  
March 7, 2012

## **11) REFERENCES**

**COOLIDGE, D.C.**, 2011; Kitza Property Field Work September 2011: Internal Report for Colorado Resources Ltd.

**FERRI, F., REES, C. and COOK, S.**, 1997; Preliminary Bedrock Geology and Lake Sediment Geochemistry of the Northern Ketchika Trough: BC Geological Survey Branch Open File 1997-14.

**FERRI, F., REES, C., NELSON, J. and LEGUN, A.**, 1996; Geology of the Northern Ketchika Trough: British Columbia Geological Survey Fieldwork 1996, Paper P1997-01-10 and Open File 1997-14.

**GABRIELSE, H. and TAYLOR, G.C.**, 1982; Geological Maps and Cross-sections of the Northern Canadian Cordillera from SW of Fort Nelson to Gravina Island SE: Geological Survey of Canada, Open File 864.

**LIVGARD, E. and CHOW, R.**, 1997; Geochemical Report on the Kechika Property F - Claim Block: BC Ministry of Mines Assessment Report #25272.

**MILLER, D.C. and HARRISON, J.C.**, 1981; Geological and Geochemical Report on the Peg - 1 to Peg - 5, Rous - 1 and Rous - 2, Jw - 3 and Jw - 4 Claims: BC Ministry of Mines Assessment Report #09442.

**MINFILE**; Kitza 094M 018: British Columbia Geological Survey Branch

**12) COST STATEMENT** – September 23 to October 30, 2011

GEOLOGIST:	3 days @ \$750	\$ 2,250.00
PROSPECTORS:	16 days @ \$500	8,000.00
SAMPLERS:	14 days @ \$450	6,300.00
ANALYSES:	44 ROCK SAMPLES @ \$30.05	1,322.00
	363 SOIL/SILT SAMPLES @ \$21.08	7,652.00
HELICOPTER:	18 HOURS @ \$1250	22,500.00
	FUEL	3,780.00
FOOD AND ACCOMMODATION (Watson Lake) 43 mandays @ \$150:		6,450.00
SUPPLIES, FREIGHT, TRAVEL AND MISCELLANEOUS:		4,000.00
REPORT PREPARATION:		5,000.00
<b>TOTAL COSTS:</b>		<b>\$ 68,654.00</b>

### **13) QUALIFICATIONS**

**I, Linda Dandy**, hereby certify that:

1. I am a Consulting Geologist having an office at 4900 Warm Bay Road, Atlin, British Columbia, V0W 1A0.
2. I am a graduate of the University of British Columbia with the degree of Bachelor of Science in Geology (1981).
3. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (Registration No. 19236) and a Fellow of the Geological Association of Canada (Membership No. F5201).
4. I have practiced my profession in North America since 1981, having worked as an employee and consultant for Major Mining Corporations, Junior Resource Companies and Government.
5. This report is based upon a personal examination of available company and government reports pertinent to the subject property, and upon direct supervision of field work undertaken on the property between September 23 and 29, 2011.

March 7, 2012  
Atlin, BC

Linda Dandy, P.Geol.  
Consulting Geologist

**APPENDICES**

**APPENDIX I – ROCK SAMPLE RESULTS – CERTIFICATES OF ANALYSES**

**APPENDIX II – SOIL AND SILT SAMPLE RESULTS – CERTIFICATES OF ANALYSES**

**APPENDIX III – FIGURES 1 TO 10**



**APPENDIX I**

**ROCK SAMPLE RESULTS**

**CERTIFICATES OF ANALYSES**



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: Colorado Resources Ltd.

110 - 2300 Carrington Road
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Submitted By: Adam Travis

Receiving Lab: Canada-Whitehorse

Received: September 29, 2011

Report Date: December 05, 2011

Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11001769.2

CLIENT JOB INFORMATION

Project: KITZA
Shipment ID: #1
P.O. Number
Number of Samples: 45

SAMPLE DISPOSAL

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

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

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

CC: Linda Dandy

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 3B, 1DX, and 7AR.

ADDITIONAL COMMENTS

Version 2: 7AR Zn for Sample 1285561 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.



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Project: KITZA  
 Report Date: December 05, 2011

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CERTIFICATE OF ANALYSIS

WHI11001769.2

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	
1285551	Rock	1.60	<2	0.2	1.2	7.9	20	<0.1	3.9	1.2	572	1.73	1.1	1.2	0.4	345	0.1	0.2	<0.1	3	3.54
1285552	Rock	1.60	<2	0.2	0.7	1.1	11	<0.1	2.1	0.7	108	0.53	1.3	1.1	1.0	112	<0.1	0.2	<0.1	<2	0.71
1285553	Rock	1.55	<2	0.1	0.5	0.8	9	<0.1	1.3	0.5	113	0.57	1.5	<0.5	0.3	135	<0.1	<0.1	<0.1	<2	0.65
1285554	Rock	1.98	6	0.2	1.2	5.6	64	<0.1	5.3	1.6	445	1.78	0.6	<0.5	1.8	753	0.4	0.1	<0.1	6	4.10
1285555	Rock	1.70	<2	0.1	2.3	19.9	25	<0.1	2.2	0.8	382	1.21	<0.5	0.9	0.3	602	0.3	<0.1	<0.1	<2	2.83
1285556	Rock	1.94	3	0.2	1.2	1.4	16	<0.1	4.0	1.3	94	0.52	4.1	1.2	1.7	37	<0.1	0.2	<0.1	<2	0.22
1285557	Rock	1.70	2	<0.1	0.8	8.0	13	<0.1	<0.1	0.4	832	0.45	<0.5	<0.5	0.1	3637	0.1	<0.1	<0.1	<2	19.06
1285558	Rock	1.68	2	0.3	1.1	3.9	20	<0.1	2.3	0.7	124	0.60	0.7	<0.5	1.9	64	0.1	0.2	<0.1	2	2.20
1285559	Rock	1.37	<2	0.2	2.0	10.9	39	<0.1	3.7	0.9	449	1.03	1.7	<0.5	1.1	441	0.3	<0.1	<0.1	3	3.31
1285560	Rock	1.68	<2	0.8	163.9	1.6	2024	0.3	11.6	0.8	66	0.18	1.5	<0.5	0.4	3003	29.5	4.8	<0.1	231	32.70
1285561	Rock	2.33	<2	0.6	735.5	0.4	>10000	0.2	18.9	0.8	118	0.14	<0.5	<0.5	0.2	1189	167.6	0.6	<0.1	393	18.45
1285562	Rock	1.48	10	3.8	115.7	14.6	66	3.7	17.2	0.8	17	1.90	6.0	<0.5	3.7	182	1.7	8.5	0.2	334	0.60
1285563	Rock	1.68	<2	1.0	7.4	5.3	87	0.2	18.5	3.1	239	1.10	1.7	<0.5	4.1	92	1.8	0.3	<0.1	5	5.46
1285501	Rock	1.94	<2	0.2	9.4	42.8	48	<0.1	5.6	2.9	445	1.85	2.0	<0.5	1.1	238	0.5	0.2	<0.1	3	1.64
1285502	Rock	1.46	<2	0.2	5.0	29.7	48	<0.1	3.7	2.4	385	1.22	1.2	<0.5	0.9	180	0.6	0.1	<0.1	3	1.11
1285503	Rock	1.58	<2	0.5	14.4	6.0	64	<0.1	15.2	3.5	178	1.79	2.1	<0.5	0.9	164	0.7	0.2	<0.1	13	0.78
1285504	Rock	1.84	2	0.2	5.7	15.3	30	<0.1	4.7	1.9	359	1.22	4.9	<0.5	2.8	302	0.2	0.4	<0.1	3	4.95
1285505	Rock	1.66	3	0.2	1.6	8.2	14	<0.1	3.4	1.7	504	1.15	3.5	<0.5	2.9	385	<0.1	0.3	<0.1	2	7.42
1285506	Rock	1.38	<2	0.2	2.3	14.3	30	<0.1	5.0	1.8	458	1.71	4.8	<0.5	2.8	297	<0.1	0.1	<0.1	3	5.17
1285507	Rock	0.86	3	0.2	3.2	1.0	12	<0.1	1.8	0.7	108	0.53	0.6	<0.5	0.3	76	0.1	<0.1	<0.1	<2	0.36
1285508	Rock	1.10	<2	<0.1	0.9	16.1	14	<0.1	0.6	0.7	576	0.65	1.8	<0.5	1.1	2281	<0.1	0.2	<0.1	<2	21.48
1285509	Rock	1.31	<2	0.1	1.3	10.4	20	<0.1	4.4	1.9	596	1.33	3.1	<0.5	3.1	615	<0.1	0.3	<0.1	3	9.23
1285510	Rock	1.37	<2	0.1	1.8	6.4	13	<0.1	2.4	0.9	121	0.68	1.3	<0.5	0.7	44	<0.1	0.3	<0.1	<2	0.65
1285511	Rock	0.89	<2	<0.1	0.8	3.9	26	<0.1	2.0	0.8	202	1.13	<0.5	<0.5	0.4	249	0.2	<0.1	<0.1	2	2.38
1285512	Rock	1.32	3	0.3	1.5	10.3	42	<0.1	5.3	1.6	456	2.12	2.8	<0.5	1.5	468	0.2	0.2	<0.1	4	4.32
1285513	Rock	1.41	<2	<0.1	2.6	39.6	20	<0.1	3.2	1.2	315	1.66	1.9	<0.5	0.6	312	<0.1	0.1	<0.1	<2	3.18
1285514	Rock	0.96	2	<0.1	1.9	11.5	28	<0.1	1.6	0.7	114	0.36	0.6	<0.5	0.3	<1	0.1	0.2	<0.1	<2	0.06
1285515	Rock	2.38	2	0.9	144.1	0.8	1730	1.9	22.8	0.4	107	0.13	5.1	<0.5	0.3	1302	30.5	12.4	<0.1	478	17.01
1285516	Rock	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.
1285517	Rock	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.

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Method	Analyte	Unit	MDL	1DX P	1DX La	1DX Cr	1DX Mg	1DX Ba	1DX Ti	1DX B	1DX Al	1DX Na	1DX K	1DX W	1DX Hg	1DX Tl	1DX S	1DX Sc	1DX Se	1DX Ga	1DX Te	7AR Zn	
				%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	
				0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	0.01	
1285551	Rock			0.111	8	1	1.30	31	<0.001	<20	0.05	0.021	<0.01	<0.1	<0.01	<0.1	<0.05	3.1	<0.5	<1	<0.2	N.A.	
1285552	Rock			0.083	2	2	0.22	27	<0.001	<20	0.07	0.029	0.02	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2	N.A.	
1285553	Rock			0.040	<1	<1	0.23	23	<0.001	<20	0.04	0.012	0.01	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2	N.A.	
1285554	Rock			0.032	18	2	1.73	35	<0.001	<20	0.06	0.032	0.01	<0.1	0.02	<0.1	<0.05	3.1	<0.5	<1	<0.2	N.A.	
1285555	Rock			0.020	1	<1	1.14	25	<0.001	<20	0.01	0.007	<0.01	<0.1	0.02	<0.1	<0.05	0.4	<0.5	<1	<0.2	N.A.	
1285556	Rock			0.010	3	1	0.10	40	<0.001	<20	0.07	0.017	0.02	<0.1	<0.01	<0.1	<0.05	0.5	<0.5	<1	<0.2	N.A.	
1285557	Rock			0.006	14	<1	0.21	50	<0.001	<20	<0.01	0.003	<0.01	<0.1	<0.01	<0.1	<0.05	2.1	<0.5	<1	<0.2	N.A.	
1285558	Rock			0.015	6	3	1.11	136	<0.001	<20	0.08	0.016	0.03	<0.1	<0.01	<0.1	<0.05	0.8	<0.5	<1	<0.2	N.A.	
1285559	Rock			0.178	10	2	0.62	45	<0.001	<20	0.08	0.028	0.02	<0.1	0.03	<0.1	<0.05	3.7	<0.5	<1	<0.2	N.A.	
1285560	Rock			0.018	9	9	0.89	1399	0.003	<20	0.04	0.005	<0.01	<0.1	0.51	0.1	<0.05	0.7	2.0	1	<0.2	N.A.	
1285561	Rock			0.034	6	6	1.88	359	0.002	<20	0.02	0.005	<0.01	<0.1	2.68	<0.1	0.28	0.3	24.4	2	<0.2	1.23	
1285562	Rock			0.549	20	131	0.05	145	0.022	<20	0.46	0.004	0.26	0.1	0.26	0.4	0.46	2.3	47.3	3	<0.2	N.A.	
1285563	Rock			0.038	15	2	3.10	105	<0.001	<20	0.25	0.003	0.17	<0.1	0.03	<0.1	<0.05	2.4	1.6	<1	<0.2	N.A.	
1285501	Rock			0.045	6	3	0.70	108	<0.001	<20	0.12	0.012	0.04	<0.1	0.05	<0.1	<0.05	1.3	<0.5	<1	<0.2	N.A.	
1285502	Rock			0.028	4	2	0.47	78	<0.001	<20	0.11	0.010	0.04	<0.1	0.02	<0.1	<0.05	1.0	<0.5	<1	<0.2	N.A.	
1285503	Rock			0.030	2	3	0.73	84	<0.001	<20	0.57	0.008	0.06	<0.1	0.04	<0.1	<0.05	0.7	0.6	2	<0.2	N.A.	
1285504	Rock			0.097	7	2	1.01	65	<0.001	<20	0.12	0.022	0.05	<0.1	0.04	<0.1	<0.05	2.1	<0.5	<1	<0.2	N.A.	
1285505	Rock			0.082	8	2	1.12	37	<0.001	<20	0.10	0.032	0.02	<0.1	0.02	<0.1	<0.05	1.9	<0.5	<1	<0.2	N.A.	
1285506	Rock			0.063	5	2	1.65	78	<0.001	<20	0.13	0.022	0.05	<0.1	0.02	<0.1	<0.05	2.2	<0.5	<1	<0.2	N.A.	
1285507	Rock			0.033	3	1	0.13	18	<0.001	<20	0.04	0.017	<0.01	<0.1	<0.01	<0.1	<0.05	0.5	<0.5	<1	<0.2	N.A.	
1285508	Rock			0.017	8	<1	0.47	66	<0.001	<20	0.05	0.005	0.02	<0.1	0.02	<0.1	<0.05	1.1	<0.5	<1	<0.2	N.A.	
1285509	Rock			0.069	7	3	1.17	50	<0.001	<20	0.09	0.023	0.03	<0.1	0.02	<0.1	<0.05	2.1	<0.5	<1	<0.2	N.A.	
1285510	Rock			0.049	5	1	0.20	36	<0.001	<20	0.09	0.011	0.03	<0.1	<0.01	<0.1	<0.05	0.8	<0.5	<1	<0.2	N.A.	
1285511	Rock			0.016	<1	1	1.05	15	<0.001	<20	0.02	0.008	<0.01	<0.1	0.04	<0.1	<0.05	0.5	<0.5	<1	<0.2	N.A.	
1285512	Rock			0.044	1	2	1.82	52	<0.001	<20	0.08	0.017	0.03	<0.1	0.04	<0.1	<0.05	1.5	<0.5	<1	<0.2	N.A.	
1285513	Rock			0.028	<1	1	1.38	44	<0.001	<20	0.06	0.007	0.03	<0.1	0.01	<0.1	<0.05	0.9	<0.5	<1	<0.2	N.A.	
1285514	Rock			0.002	<1	1	<0.01	17	<0.001	<20	0.04	0.003	0.02	<0.1	<0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2	N.A.	
1285515	Rock			0.022	6	10	3.24	1499	0.010	<20	0.07	0.005	0.02	<0.1	0.22	<0.1	<0.05	0.6	5.3	<1	<0.2	N.A.	
1285516	Rock			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.
1285517	Rock			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.

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:** KITZA  
**Report Date:** December 05, 2011

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**CERTIFICATE OF ANALYSIS**

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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	
1285518	Rock	1.02	2	0.8	21.0	2.4	45	<0.1	10.9	2.6	225	1.25	8.5	<0.5	2.1	460	0.4	0.3	<0.1	7	1.66
1285519	Rock	1.05	<2	0.3	4.3	4.8	27	<0.1	5.0	1.6	290	1.36	2.9	<0.5	0.9	303	0.1	0.2	<0.1	3	3.05
1285520	Rock	1.56	<2	1.4	2.3	3.6	21	<0.1	2.9	0.8	166	0.37	1.6	<0.5	1.0	1457	0.2	0.2	<0.1	12	28.87
1285521	Rock	0.99	<2	0.5	0.5	1.0	7	<0.1	0.7	0.4	127	0.19	<0.5	<0.5	0.5	2733	<0.1	<0.1	<0.1	12	30.16
1285522	Rock	1.33	<2	3.0	11.8	9.1	33	0.1	7.1	2.6	209	1.07	10.6	<0.5	0.7	1048	0.2	1.0	<0.1	3	19.99
1285523	Rock	1.80	<2	1.5	7.9	4.9	22	<0.1	8.4	1.3	171	0.64	1.9	<0.5	0.6	1462	0.3	0.3	<0.1	4	24.91
1285524	Rock	1.74	<2	0.7	5.0	1.7	17	<0.1	4.2	0.8	108	0.40	0.6	<0.5	0.6	688	0.2	<0.1	<0.1	3	15.34
1285525	Rock	1.24	5	5.4	102.9	0.9	335	0.6	53.0	0.9	222	0.13	7.2	<0.5	0.4	1542	3.9	7.6	<0.1	702	19.99
1285526	Rock	1.61	<2	11.9	33.3	2.5	570	0.3	112.9	2.7	79	0.59	7.6	<0.5	0.8	141	11.8	6.1	<0.1	57	2.78
1285527	Rock	2.21	3	6.0	112.3	1.3	319	0.8	146.3	1.0	9	0.51	15.2	<0.5	0.4	115	2.1	7.0	<0.1	84	0.11
1285528	Rock	2.27	2	2.4	42.5	1.2	120	0.3	16.0	1.0	202	0.17	2.2	<0.5	0.4	971	2.8	2.3	<0.1	89	21.53
1285529	Rock	1.42	<2	2.6	5.0	1.1	143	0.1	10.9	0.7	167	0.26	1.2	<0.5	0.4	575	2.3	0.8	<0.1	56	18.42
1285530	Rock	1.35	16	19.2	59.8	14.7	446	0.3	69.3	2.6	75	10.88	208.8	6.2	2.2	19	0.7	1.0	0.1	38	0.10
1285531	Rock	1.52	8	5.3	65.7	9.8	448	1.2	60.4	2.4	52	3.05	61.0	1.1	1.9	25	2.2	1.0	<0.1	105	0.12
1285532	Rock	1.85	9	2.7	50.1	3.9	181	0.5	22.0	2.1	36	1.40	22.3	<0.5	1.3	32	0.6	0.7	<0.1	18	0.04



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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	7AR	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	Zn	
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	0.01	
1285518	Rock	0.090	3	2	0.82	151	0.001	<20	0.21	0.007	0.12	<0.1	0.02	<0.1	<0.05	2.0	0.6	<1	<0.2	N.A.
1285519	Rock	0.064	2	1	1.13	80	<0.001	<20	0.09	0.008	0.04	<0.1	<0.01	<0.1	<0.05	1.1	<0.5	<1	<0.2	N.A.
1285520	Rock	0.012	6	2	0.69	883	<0.001	<20	0.05	0.006	0.03	<0.1	0.02	<0.1	<0.05	0.8	0.6	<1	<0.2	N.A.
1285521	Rock	0.010	3	2	0.80	890	<0.001	<20	0.02	0.008	0.02	<0.1	<0.01	<0.1	<0.05	0.4	0.7	<1	<0.2	N.A.
1285522	Rock	0.032	6	2	0.69	783	<0.001	<20	0.09	0.004	0.04	<0.1	0.08	<0.1	<0.05	0.9	1.5	<1	<0.2	N.A.
1285523	Rock	0.041	11	2	0.84	394	<0.001	<20	0.09	0.009	0.02	<0.1	0.04	<0.1	<0.05	0.7	<0.5	<1	<0.2	N.A.
1285524	Rock	0.012	10	1	0.31	115	<0.001	<20	0.08	0.005	0.03	<0.1	0.02	<0.1	<0.05	1.3	<0.5	<1	<0.2	N.A.
1285525	Rock	0.076	6	34	4.81	1629	0.014	<20	0.11	0.010	0.02	<0.1	1.19	0.4	0.07	1.2	3.9	<1	<0.2	N.A.
1285526	Rock	0.045	7	5	0.45	970	0.002	<20	1.82	0.009	0.04	<0.1	0.03	0.1	<0.05	1.2	1.5	<1	<0.2	N.A.
1285527	Rock	0.038	2	5	0.03	733	0.001	<20	0.71	<0.001	0.04	<0.1	0.08	0.2	<0.05	0.6	3.3	<1	<0.2	N.A.
1285528	Rock	0.020	6	7	4.52	979	0.002	<20	0.07	0.006	0.02	<0.1	0.03	<0.1	<0.05	0.7	0.6	<1	<0.2	N.A.
1285529	Rock	0.018	4	4	5.45	1084	<0.001	<20	0.07	0.009	0.02	<0.1	0.02	<0.1	0.05	0.5	1.8	<1	<0.2	N.A.
1285530	Rock	0.248	6	11	0.03	1811	0.003	<20	0.53	0.002	0.17	<0.1	0.11	0.1	<0.05	7.1	8.6	1	<0.2	N.A.
1285531	Rock	0.107	5	6	0.03	1690	0.001	<20	0.29	0.002	0.11	<0.1	0.24	0.1	<0.05	1.9	5.9	<1	<0.2	N.A.
1285532	Rock	0.051	4	4	0.02	1079	<0.001	<20	0.23	0.002	0.08	<0.1	0.16	<0.1	<0.05	1.6	1.2	<1	<0.2	N.A.



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Report Date: December 05, 2011

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# QUALITY CONTROL REPORT

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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																					
1285561	Rock	2.33	<2	0.6	735.5	0.4	>10000	0.2	18.9	0.8	118	0.14	<0.5	<0.5	0.2	1189	167.6	0.6	<0.1	393	18.45
REP 1285561	QC																				
1285504	Rock	1.84	2	0.2	5.7	15.3	30	<0.1	4.7	1.9	359	1.22	4.9	<0.5	2.8	302	0.2	0.4	<0.1	3	4.95
REP 1285504	QC			0.2	5.8	15.4	29	<0.1	4.9	1.9	357	1.23	4.8	<0.5	2.9	302	0.2	0.4	<0.1	3	4.93
1285515	Rock	2.38	2	0.9	144.1	0.8	1730	1.9	22.8	0.4	107	0.13	5.1	<0.5	0.3	1302	30.5	12.4	<0.1	478	17.01
REP 1285515	QC		6																		
1285518	Rock	1.02	2	0.8	21.0	2.4	45	<0.1	10.9	2.6	225	1.25	8.5	<0.5	2.1	460	0.4	0.3	<0.1	7	1.66
REP 1285518	QC			0.8	20.1	2.4	44	<0.1	10.0	2.4	229	1.26	8.5	<0.5	2.1	450	0.4	0.2	<0.1	7	1.66
Core Reject Duplicates																					
1285553	Rock	1.55	<2	0.1	0.5	0.8	9	<0.1	1.3	0.5	113	0.57	1.5	<0.5	0.3	135	<0.1	<0.1	<0.1	<2	0.65
DUP 1285553	QC		15	0.1	0.7	0.8	8	<0.1	1.4	0.5	120	0.63	1.5	<0.5	0.3	141	<0.1	<0.1	<0.1	<2	0.68
1285525	Rock	1.24	5	5.4	102.9	0.9	335	0.6	53.0	0.9	222	0.13	7.2	<0.5	0.4	1542	3.9	7.6	<0.1	702	19.99
DUP 1285525	QC		2	5.6	110.4	0.9	335	0.6	52.0	0.9	220	0.13	6.7	<0.5	0.4	1549	3.8	7.6	<0.1	695	20.18
Reference Materials																					
STD DS8	Standard			13.7	113.4	126.3	324	1.5	40.2	7.5	617	2.49	24.1	89.3	6.7	71	2.4	3.3	6.9	41	0.73
STD DS8	Standard			14.1	111.4	130.6	323	2.0	39.1	7.9	630	2.51	30.6	125.4	7.3	70	2.5	4.3	6.6	42	0.74
STD GC-7	Standard																				
STD GC-7	Standard																				
STD OREAS45CA	Standard			0.4	501.6	20.0	60	0.3	253.3	89.7	895	14.70	3.2	49.9	7.0	13	<0.1	<0.1	0.1	192	0.39
STD OREAS45CA	Standard			0.7	524.3	22.6	62	0.3	262.6	94.0	959	15.02	3.4	43.8	7.5	10	<0.1	<0.1	0.2	213	0.45
STD OXC88	Standard		200																		
STD OXC88	Standard		192																		
STD OXH82	Standard		1275																		
STD OXH82	Standard		1338																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
STD DS8 Expected			13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	
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	



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# QUALITY CONTROL REPORT

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7AR	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	Zn	
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	0.01	
Pulp Duplicates																				
1285561	Rock	0.034	6	6	1.88	359	0.002	<20	0.02	0.005	<0.01	<0.1	2.68	<0.1	0.28	0.3	24.4	2	<0.2	1.23
REP 1285561	QC																			1.22
1285504	Rock	0.097	7	2	1.01	65	<0.001	<20	0.12	0.022	0.05	<0.1	0.04	<0.1	<0.05	2.1	<0.5	<1	<0.2	N.A.
REP 1285504	QC	0.092	7	2	0.99	68	<0.001	<20	0.12	0.021	0.05	<0.1	0.04	<0.1	<0.05	2.2	<0.5	<1	<0.2	
1285515	Rock	0.022	6	10	3.24	1499	0.010	<20	0.07	0.005	0.02	<0.1	0.22	<0.1	<0.05	0.6	5.3	<1	<0.2	N.A.
REP 1285515	QC																			
1285518	Rock	0.090	3	2	0.82	151	0.001	<20	0.21	0.007	0.12	<0.1	0.02	<0.1	<0.05	2.0	0.6	<1	<0.2	N.A.
REP 1285518	QC	0.092	3	2	0.82	146	<0.001	<20	0.20	0.007	0.12	<0.1	0.02	<0.1	<0.05	1.8	1.2	<1	<0.2	
Core Reject Duplicates																				
1285553	Rock	0.040	<1	<1	0.23	23	<0.001	<20	0.04	0.012	0.01	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2	N.A.
DUP 1285553	QC	0.039	<1	1	0.25	25	<0.001	<20	0.04	0.014	0.01	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2	N.A.
1285525	Rock	0.076	6	34	4.81	1629	0.014	<20	0.11	0.010	0.02	<0.1	1.19	0.4	0.07	1.2	3.9	<1	<0.2	N.A.
DUP 1285525	QC	0.079	6	35	4.79	1443	0.014	<20	0.10	0.009	0.02	<0.1	1.21	0.4	<0.05	1.2	3.5	<1	<0.2	N.A.
Reference Materials																				
STD DS8	Standard	0.075	15	127	0.63	283	0.106	<20	0.97	0.096	0.42	1.4	0.18	5.4	0.16	2.0	6.4	5	4.3	
STD DS8	Standard	0.081	17	117	0.63	298	0.119	<20	0.96	0.090	0.42	2.6	0.21	5.8	0.16	2.1	5.1	5	5.1	
STD GC-7	Standard																			22.39
STD GC-7	Standard																			22.33
STD OREAS45CA	Standard	0.036	16	752	0.15	150	0.098	<20	3.85	0.010	0.07	<0.1	0.03	<0.1	<0.05	35.9	<0.5	18	<0.2	
STD OREAS45CA	Standard	0.040	18	749	0.16	168	0.132	<20	3.95	0.008	0.07	<0.1	0.02	0.1	<0.05	39.1	<0.5	20	<0.2	
STD OXC88	Standard																			
STD OXC88	Standard																			
STD OXH82	Standard																			
STD OXH82	Standard																			
STD OXC88 Expected																				
STD OXH82 Expected																				
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5	
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		





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Project: KITZA

Report Date: December 05, 2011

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QUALITY CONTROL REPORT

WHI11001769.2

		WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	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 GC-7 Expected																					
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank																				
Prep Wash																					
G1	Prep Blank		3	<0.1	2.7	4.1	54	<0.1	2.6	4.5	593	2.03	1.0	2.0	6.7	66	<0.1	<0.1	0.1	38	0.80
G1	Prep Blank		<2	0.1	2.5	4.1	52	<0.1	2.8	4.3	568	1.94	0.9	1.8	7.7	66	<0.1	<0.1	<0.1	39	0.77



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Report Date: December 05, 2011

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QUALITY CONTROL REPORT

WHI11001769.2

		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	7AR	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te	Zn
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2	0.01
STD GC-7 Expected																				22.06
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	<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																			<0.01
Prep Wash																				
G1	Prep Blank	0.083	16	3	0.69	176	0.139	<20	1.04	0.104	0.53	<0.1	<0.01	0.5	<0.05	2.1	<0.5	5	<0.2	N.A.
G1	Prep Blank	0.079	18	5	0.66	166	0.138	<20	1.03	0.101	0.52	<0.1	<0.01	0.4	<0.05	2.0	<0.5	5	<0.2	N.A.

**APPENDIX II**

**SOIL AND SILT SAMPLE RESULTS**

**CERTIFICATES OF ANALYSES**



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**Client:** Colorado Resources Ltd.

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

Submitted By: Terry  
Receiving Lab: Canada-Whitehorse  
Received: October 18, 2011  
Report Date: December 04, 2011  
Page: 1 of 12

## CERTIFICATE OF ANALYSIS

WHI11001766.1

### CLIENT JOB INFORMATION

Project: KITZA  
Shipment ID:  
P.O. Number  
Number of Samples: 320

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
S230	320	Sieve to 230 mesh			WHI
RJSV	320	Saving all or part of Soil Reject			WHI
1DX2	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### ADDITIONAL COMMENTS



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



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Project: KITZA  
 Report Date: December 04, 2011

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CERTIFICATE OF ANALYSIS

WHI11001766.1

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	MDL	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	2	0.01	0.001	1	
1290001	Soil	3.7	33.6	12.1	354	0.6	51.1	11.5	322	2.37	9.2	5.1	2.1	60	1.3	2.1	0.3	34	0.94	0.088	15
1290002	Soil	1.6	11.5	9.9	110	<0.1	29.4	8.9	193	2.62	5.6	<0.5	3.7	25	0.4	0.6	0.2	48	0.25	0.024	11
1290003	Soil	6.1	36.0	17.1	519	0.6	51.6	9.5	255	2.73	16.5	4.0	4.7	38	1.8	2.4	0.3	46	0.50	0.035	17
1290004	Soil	2.1	8.3	8.2	109	0.2	20.3	6.8	193	2.13	4.9	2.8	3.4	24	0.7	0.4	0.2	46	0.28	0.034	11
1290005	Soil	1.4	8.8	10.3	354	0.5	40.7	9.4	299	3.02	4.8	1.5	4.3	22	0.7	0.4	0.2	50	0.24	0.038	11
1290006	Soil	2.0	9.9	7.4	120	0.5	21.1	7.3	438	2.17	3.3	1.1	2.5	18	0.6	0.3	0.2	47	0.20	0.033	10
1290007	Soil	3.0	7.4	9.2	133	0.4	27.2	6.7	234	2.57	5.7	0.8	2.7	20	0.4	0.6	0.2	61	0.19	0.029	10
1290008	Soil	1.2	11.9	9.0	74	<0.1	32.3	8.2	254	2.49	6.3	<0.5	5.5	25	0.2	0.8	0.2	59	0.28	0.040	13
1290009	Soil	0.9	7.3	9.1	83	0.1	32.2	8.0	257	2.84	5.4	6.2	3.5	23	0.2	0.4	0.2	49	0.25	0.031	10
1290010	Soil	1.6	8.9	9.2	126	0.1	33.9	8.8	285	2.91	4.7	1.4	3.8	23	0.3	0.4	0.1	52	0.20	0.040	11
1290011	Soil	1.4	7.3	9.5	115	0.2	28.7	8.5	373	2.82	3.3	1.3	3.0	21	0.5	0.3	0.2	52	0.21	0.055	10
1290012	Soil	3.6	10.8	12.3	114	0.2	32.3	8.1	376	2.31	7.6	1.0	2.9	45	0.5	1.4	0.1	59	0.36	0.030	13
1290013	Soil	1.3	10.2	6.7	76	0.2	32.9	8.3	328	2.44	4.2	2.8	3.3	25	0.1	0.3	0.1	44	0.27	0.054	10
1290014	Soil	0.8	13.4	8.3	85	0.2	40.2	9.1	281	2.84	5.0	1.6	5.3	24	0.2	0.3	0.1	46	0.25	0.046	16
1290015	Soil	1.0	13.8	8.6	61	<0.1	26.8	8.6	299	2.18	3.7	3.4	4.2	28	0.2	0.3	0.1	41	0.33	0.062	15
1290016	Soil	1.1	10.2	8.5	67	0.1	24.9	8.0	243	2.38	4.7	<0.5	4.4	23	0.2	0.5	0.1	41	0.27	0.041	12
1290017	Soil	2.3	7.1	8.5	203	<0.1	24.4	7.6	279	2.49	4.1	<0.5	2.6	17	1.2	0.4	0.1	59	0.20	0.019	10
1290018	Soil	2.6	9.8	8.7	103	<0.1	33.5	7.8	230	2.69	5.0	<0.5	3.2	24	0.4	0.6	0.1	53	0.23	0.034	10
1290019	Soil	1.0	7.1	6.2	104	0.2	22.3	6.6	227	1.78	2.2	1.4	2.3	19	0.3	0.2	<0.1	36	0.23	0.041	8
1290020	Soil	2.4	9.9	6.7	70	0.4	27.2	7.2	234	2.09	3.6	2.3	3.2	30	0.2	0.5	0.1	43	0.29	0.048	10
1290021	Soil	1.1	10.1	8.3	88	<0.1	24.8	6.8	183	2.25	3.4	2.0	3.6	19	<0.1	0.2	<0.1	43	0.22	0.033	12
1290022	Soil	2.7	35.7	12.0	137	1.0	45.4	7.0	240	1.78	7.3	1.3	2.3	186	2.2	2.7	0.3	39	7.28	0.068	10
1290023	Soil	1.3	7.3	9.5	218	0.1	30.2	8.3	366	2.39	3.0	1.0	3.6	20	0.6	0.4	0.1	57	0.24	0.072	11
1290024	Soil	5.9	12.2	10.9	245	0.3	49.5	5.0	168	1.73	12.6	<0.5	4.2	25	1.2	3.0	0.1	142	0.30	0.016	15
1290025	Soil	1.9	13.2	17.1	260	0.1	33.1	6.8	292	2.51	7.6	0.9	4.1	61	1.9	0.8	0.1	40	1.68	0.028	14
1290026	Soil	1.1	10.2	7.5	55	<0.1	30.2	8.5	306	2.67	4.9	2.5	3.1	21	0.2	0.4	0.1	52	0.24	0.043	9
1290027	Soil	1.1	10.8	33.0	46	<0.1	22.4	7.1	187	2.27	5.2	2.1	4.2	18	<0.1	0.5	0.2	41	0.22	0.041	14
1290028	Soil	0.9	8.9	7.2	71	0.1	27.4	8.2	344	2.37	3.9	1.3	3.0	22	0.2	0.3	0.1	43	0.30	0.049	9
1290029	Soil	0.9	10.4	7.8	65	0.1	27.7	7.7	297	2.26	4.0	<0.5	3.4	23	0.2	0.3	0.1	40	0.32	0.066	11
1290030	Soil	1.4	10.9	10.0	50	<0.1	22.4	7.7	187	2.29	5.0	1.2	5.1	15	0.1	0.6	0.1	38	0.19	0.059	14

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Project: KITZA  
 Report Date: December 04, 2011

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CERTIFICATE OF ANALYSIS

WHI11001766.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		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	
1290001	Soil	24	0.42	442	0.023	3	0.98	0.010	0.06	0.2	0.11	3.4	0.1	<0.05	3	1.0	<0.2
1290002	Soil	31	0.44	328	0.038	1	1.34	0.010	0.05	0.2	0.01	2.3	0.1	<0.05	4	0.5	<0.2
1290003	Soil	22	0.31	656	0.023	3	1.04	0.009	0.07	0.2	0.07	3.5	0.2	<0.05	3	1.1	<0.2
1290004	Soil	26	0.41	250	0.038	1	1.18	0.007	0.04	0.2	0.02	1.8	<0.1	<0.05	4	1.3	<0.2
1290005	Soil	32	0.42	384	0.082	1	1.91	0.015	0.06	0.2	0.01	2.4	<0.1	<0.05	8	0.7	<0.2
1290006	Soil	27	0.37	284	0.049	1	1.32	0.009	0.04	0.2	0.01	1.7	0.1	<0.05	5	1.4	<0.2
1290007	Soil	30	0.36	332	0.052	1	1.42	0.012	0.03	0.2	0.01	1.7	0.1	<0.05	6	1.6	<0.2
1290008	Soil	35	0.48	321	0.057	1	1.28	0.012	0.06	0.2	<0.01	3.1	<0.1	<0.05	4	1.6	<0.2
1290009	Soil	33	0.42	206	0.076	1	1.45	0.009	0.07	0.1	0.01	1.8	<0.1	<0.05	5	1.2	<0.2
1290010	Soil	34	0.42	328	0.063	2	1.64	0.012	0.06	0.2	0.01	2.3	<0.1	<0.05	7	0.7	<0.2
1290011	Soil	32	0.38	426	0.063	<1	1.54	0.011	0.05	0.2	0.01	1.7	<0.1	<0.05	7	<0.5	<0.2
1290012	Soil	24	0.30	846	0.020	2	1.13	0.008	0.08	0.1	<0.01	2.1	0.2	<0.05	3	1.1	<0.2
1290013	Soil	33	0.48	268	0.073	1	1.37	0.013	0.05	0.2	<0.01	2.5	<0.1	<0.05	5	0.7	<0.2
1290014	Soil	35	0.45	298	0.084	1	1.68	0.022	0.06	0.2	<0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
1290015	Soil	28	0.46	222	0.046	1	1.17	0.012	0.05	0.2	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1290016	Soil	28	0.42	178	0.059	1	1.16	0.012	0.07	0.2	0.01	2.2	<0.1	<0.05	4	0.7	<0.2
1290017	Soil	30	0.36	245	0.055	<1	1.34	0.009	0.06	0.2	<0.01	1.7	<0.1	<0.05	5	0.9	<0.2
1290018	Soil	32	0.47	207	0.058	<1	1.40	0.017	0.05	0.2	<0.01	2.2	<0.1	<0.05	5	1.6	<0.2
1290019	Soil	25	0.43	164	0.053	1	1.10	0.010	0.04	0.1	<0.01	1.8	<0.1	<0.05	4	0.6	<0.2
1290020	Soil	29	0.42	232	0.047	<1	1.13	0.014	0.04	0.2	<0.01	1.9	<0.1	<0.05	4	0.9	<0.2
1290021	Soil	30	0.43	158	0.067	<1	1.34	0.016	0.06	0.2	<0.01	2.2	<0.1	<0.05	5	0.9	<0.2
1290022	Soil	19	0.78	655	0.011	6	0.64	0.008	0.07	0.1	0.19	2.5	0.3	0.09	2	1.9	<0.2
1290023	Soil	31	0.36	378	0.038	2	1.30	0.017	0.06	0.2	<0.01	2.1	<0.1	<0.05	5	0.6	<0.2
1290024	Soil	26	0.26	701	0.005	2	0.97	0.004	0.07	0.2	0.02	3.0	0.3	<0.05	3	1.7	<0.2
1290025	Soil	25	0.40	143	0.023	4	0.97	0.007	0.11	0.2	0.08	3.8	0.2	<0.05	3	0.7	<0.2
1290026	Soil	35	0.47	303	0.072	<1	1.48	0.011	0.06	0.2	<0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
1290027	Soil	28	0.42	296	0.049	1	1.10	0.009	0.06	0.2	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1290028	Soil	30	0.44	407	0.060	<1	1.31	0.011	0.07	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1290029	Soil	30	0.47	303	0.063	1	1.30	0.013	0.06	0.2	0.01	2.0	<0.1	<0.05	5	0.7	<0.2
1290030	Soil	29	0.42	111	0.044	<1	1.05	0.011	0.06	0.3	<0.01	1.6	<0.1	<0.05	3	0.6	<0.2

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Project: KITZA  
 Report Date: December 04, 2011

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CERTIFICATE OF ANALYSIS

WHI11001766.1

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	2	0.01	0.001	1	
1290031	Soil		1.1	7.9	9.7	70	0.1	25.2	8.5	425	2.63	2.8	0.7	3.1	20	0.4	0.3	0.1	50	0.25	0.034	11
1290032	Soil		0.8	16.0	9.6	46	<0.1	25.7	9.2	314	2.30	5.6	1.4	6.5	22	0.1	0.4	0.2	37	0.31	0.072	19
1290033	Soil		1.2	10.8	9.3	56	<0.1	26.6	8.7	235	2.42	5.5	2.1	4.2	19	0.2	0.5	0.1	42	0.24	0.048	12
1290034	Soil		1.0	11.8	9.5	106	0.1	35.3	9.3	310	2.92	3.9	7.4	4.9	24	0.2	0.3	0.1	44	0.27	0.035	12
1290035	Soil		0.6	9.2	7.0	43	<0.1	22.4	8.1	264	2.05	3.5	4.1	4.0	20	0.1	0.3	0.1	36	0.27	0.058	10
1290036	Soil		0.5	8.9	7.2	51	<0.1	22.4	7.9	299	2.21	3.5	2.3	3.6	24	0.4	0.3	0.1	40	0.32	0.091	11
1290037	Soil		0.8	5.4	7.8	51	<0.1	17.0	6.2	186	1.97	3.3	1.7	2.3	16	<0.1	0.3	0.2	40	0.22	0.023	9
1290038	Soil		0.9	7.2	8.4	65	<0.1	20.3	7.8	269	2.40	4.4	0.8	3.0	13	0.2	0.3	0.2	39	0.20	0.047	9
1290039	Soil		1.3	11.8	8.1	56	<0.1	21.9	6.8	188	2.36	7.8	2.9	3.3	12	0.1	0.7	0.1	38	0.14	0.029	11
1290040	Soil		0.7	6.9	6.9	47	<0.1	20.3	6.7	247	2.19	3.6	1.1	2.7	12	<0.1	0.3	0.1	38	0.15	0.029	8
1290041	Soil		1.6	28.2	13.6	84	0.3	31.9	7.9	314	2.55	10.6	3.7	3.7	74	0.4	1.3	0.2	33	2.44	0.068	16
1290042	Soil		1.2	10.8	10.0	81	<0.1	23.0	6.4	207	2.23	5.6	1.3	3.3	14	0.2	0.8	0.1	32	0.21	0.039	12
1290043	Soil		1.4	13.0	10.0	78	<0.1	28.0	7.4	225	2.57	9.3	0.7	3.8	15	0.2	0.8	0.1	41	0.18	0.025	11
1290044	Soil		0.7	8.1	5.8	44	<0.1	21.8	7.1	192	2.14	4.8	1.8	2.9	16	<0.1	0.4	<0.1	40	0.18	0.015	8
1290045	Soil		2.8	12.9	13.2	80	<0.1	21.8	6.4	264	2.32	11.1	1.1	3.4	13	0.1	1.3	0.1	36	0.14	0.014	11
1290046	Soil		2.0	8.5	14.3	68	0.1	30.5	8.8	476	3.23	11.2	19.2	4.2	24	0.2	1.1	0.2	53	0.24	0.016	13
1290047	Soil		2.8	12.2	8.0	114	0.1	31.2	7.4	309	2.30	6.6	2.0	2.9	19	0.2	1.0	0.1	42	0.19	0.024	10
1290048	Soil		1.2	9.4	7.2	69	<0.1	25.6	7.1	228	2.36	5.4	2.0	3.0	16	<0.1	0.5	<0.1	42	0.20	0.025	10
1290049	Soil		1.3	12.1	10.1	65	<0.1	26.3	7.6	235	2.57	8.7	1.7	3.9	14	0.1	0.6	0.1	41	0.19	0.033	11
1290050	Soil		1.1	5.5	8.5	88	<0.1	27.6	7.6	321	2.60	4.0	1.3	3.1	14	0.2	0.4	0.1	44	0.17	0.032	9
1290051	Soil		0.8	7.7	6.1	53	<0.1	23.2	7.5	289	2.41	4.0	1.0	2.9	15	0.2	0.3	<0.1	43	0.20	0.020	9
1290052	Soil		1.0	7.7	6.5	74	0.1	24.2	7.7	446	2.38	3.0	1.3	2.9	14	0.3	0.3	<0.1	42	0.18	0.021	10
1290053	Soil		1.1	8.7	6.4	52	<0.1	23.9	7.2	204	2.30	4.9	1.3	3.6	15	<0.1	0.4	<0.1	41	0.18	0.012	10
1290054	Soil		2.2	10.8	11.6	155	0.1	31.3	7.4	466	2.46	8.1	1.1	3.4	18	0.9	1.0	0.1	49	0.43	0.026	13
1290055	Soil		2.5	13.2	8.3	90	<0.1	32.4	7.9	257	2.61	7.8	<0.5	4.3	17	0.3	1.0	0.1	51	0.21	0.017	12
1290056	Soil		1.9	11.8	9.7	65	<0.1	26.3	8.3	223	2.43	8.1	14.5	5.3	15	<0.1	0.7	0.1	34	0.17	0.017	13
1290057	Soil		0.9	8.2	5.8	57	<0.1	25.5	7.8	221	2.51	4.7	2.6	2.9	17	<0.1	0.4	<0.1	46	0.20	0.011	8
1290058	Soil		1.3	8.3	7.7	89	<0.1	31.3	8.1	390	3.03	4.8	1.6	3.1	16	0.2	0.4	0.1	50	0.19	0.027	9
1290059	Soil		1.7	7.2	10.0	48	<0.1	19.2	6.6	236	2.41	5.7	1.7	3.3	13	<0.1	0.5	<0.1	42	0.13	0.011	12
1290060	Soil		1.5	32.9	14.1	98	0.4	35.8	10.5	344	2.72	12.6	4.2	4.6	132	0.7	1.4	0.2	25	4.94	0.064	14

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Project: KITZA  
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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
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1290031	Soil	28	0.34	288	0.071	<1	1.55	0.011	0.05	0.2	0.01	1.8	<0.1	<0.05	7	<0.5	<0.2
1290032	Soil	27	0.45	184	0.038	<1	1.06	0.010	0.05	0.2	0.02	2.7	<0.1	<0.05	3	<0.5	<0.2
1290033	Soil	30	0.44	152	0.048	<1	1.23	0.009	0.06	0.2	<0.01	2.0	<0.1	<0.05	4	0.5	<0.2
1290034	Soil	33	0.38	271	0.081	1	1.94	0.025	0.06	0.2	0.02	3.1	<0.1	<0.05	8	<0.5	<0.2
1290035	Soil	26	0.46	155	0.046	1	1.12	0.009	0.05	0.2	<0.01	1.7	<0.1	<0.05	4	0.7	<0.2
1290036	Soil	28	0.44	136	0.058	<1	1.06	0.011	0.07	0.2	<0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
1290037	Soil	24	0.34	193	0.037	2	1.14	0.008	0.03	0.2	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1290038	Soil	25	0.36	155	0.036	2	1.13	0.007	0.06	0.2	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1290039	Soil	25	0.34	154	0.028	1	1.00	0.006	0.04	0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1290040	Soil	25	0.37	149	0.037	<1	1.08	0.007	0.03	0.2	0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
1290041	Soil	24	0.47	221	0.021	2	0.91	0.008	0.09	0.2	0.11	3.1	0.1	0.08	3	0.6	<0.2
1290042	Soil	21	0.31	190	0.023	1	0.93	0.005	0.07	0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1290043	Soil	26	0.34	209	0.040	1	1.07	0.008	0.05	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1290044	Soil	28	0.41	126	0.052	1	1.03	0.009	0.06	0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1290045	Soil	17	0.23	293	0.006	1	0.92	0.004	0.05	0.1	0.02	1.8	0.1	<0.05	3	<0.5	<0.2
1290046	Soil	29	0.29	379	0.072	2	1.51	0.009	0.08	0.1	0.02	3.1	0.1	<0.05	5	<0.5	<0.2
1290047	Soil	24	0.36	287	0.036	2	1.09	0.009	0.06	0.1	0.02	2.0	0.1	<0.05	4	<0.5	<0.2
1290048	Soil	29	0.41	189	0.040	1	1.12	0.008	0.04	0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1290049	Soil	28	0.36	186	0.032	1	1.06	0.007	0.05	0.1	<0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
1290050	Soil	29	0.35	224	0.047	2	1.36	0.008	0.05	0.2	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
1290051	Soil	30	0.39	194	0.059	<1	1.17	0.008	0.07	0.2	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
1290052	Soil	28	0.35	248	0.052	1	1.16	0.008	0.06	0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1290053	Soil	30	0.38	192	0.058	<1	1.11	0.008	0.07	0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1290054	Soil	25	0.31	555	0.031	2	1.19	0.008	0.08	0.1	0.01	2.7	0.2	<0.05	4	1.6	<0.2
1290055	Soil	31	0.37	320	0.053	2	1.11	0.010	0.10	0.1	0.02	3.3	0.1	<0.05	4	1.8	<0.2
1290056	Soil	29	0.36	185	0.034	1	0.93	0.006	0.08	0.2	0.02	2.5	<0.1	<0.05	3	0.7	<0.2
1290057	Soil	34	0.45	181	0.071	1	1.15	0.009	0.12	0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1290058	Soil	33	0.38	321	0.097	2	1.52	0.009	0.09	0.1	<0.01	2.0	<0.1	<0.05	6	<0.5	<0.2
1290059	Soil	26	0.34	290	0.025	<1	1.05	0.005	0.03	0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1290060	Soil	19	0.68	191	0.006	2	0.96	0.005	0.09	0.1	0.13	3.0	<0.1	0.14	3	0.8	<0.2





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Project: KITZA  
 Report Date: December 04, 2011

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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	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	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
1290061	Soil	1.6	7.6	13.1	72	<0.1	18.7	5.9	348	2.44	8.0	0.5	4.0	13	0.3	0.8	0.2	36	0.16	0.015	14
1290062	Soil	2.4	13.3	11.5	80	<0.1	21.2	6.2	234	2.44	11.7	<0.5	4.4	12	0.2	1.4	0.1	37	0.11	0.019	14
1290063	Soil	2.1	16.4	12.9	93	0.1	25.6	7.4	342	2.53	12.9	0.9	5.3	12	0.2	1.6	0.2	36	0.10	0.018	19
1290064	Soil	2.3	21.6	12.7	129	<0.1	28.6	8.4	340	2.41	12.0	1.5	5.1	15	0.3	1.8	0.2	31	0.14	0.034	17
1290065	Soil	1.2	8.4	9.3	95	0.1	27.3	7.4	271	2.26	5.1	1.0	3.1	22	0.3	0.6	0.1	44	0.21	0.055	11
1290066	Soil	1.3	9.3	6.8	60	0.1	29.5	7.7	206	2.68	5.4	1.5	2.8	16	0.1	0.3	0.2	50	0.19	0.025	8
1290067	Soil	0.8	8.9	6.6	48	<0.1	24.4	7.8	218	2.43	5.4	2.5	3.2	18	<0.1	0.4	0.1	44	0.23	0.029	9
1290068	Soil	0.8	9.1	5.8	41	<0.1	20.3	7.1	176	2.13	4.7	5.1	3.4	15	<0.1	0.4	<0.1	38	0.18	0.025	10
1290069	Soil	0.8	10.5	6.5	48	0.2	21.1	7.7	217	2.29	5.2	1.6	4.3	17	0.1	0.4	0.1	39	0.21	0.038	12
1290070	Soil	0.7	9.1	6.0	48	<0.1	23.3	7.7	240	2.31	5.4	18.8	2.9	19	0.1	0.3	<0.1	41	0.27	0.052	9
1290071	Soil	1.2	9.0	6.8	50	<0.1	23.2	6.7	195	2.30	5.3	1.0	2.5	18	0.1	0.5	<0.1	44	0.20	0.024	8
1290072	Soil	2.1	12.0	10.6	93	0.1	21.9	7.0	276	2.18	7.8	<0.5	3.1	20	0.5	1.2	0.1	42	0.22	0.044	12
1290073	Soil	1.4	8.5	11.1	194	0.2	42.4	5.6	149	2.07	7.7	0.8	3.5	22	0.9	1.3	0.2	36	0.15	0.037	16
1290074	Soil	2.1	14.2	12.0	118	<0.1	28.4	7.3	265	2.31	10.1	<0.5	3.8	30	0.6	1.4	0.2	47	0.26	0.062	14
1290075	Soil	0.8	10.4	8.0	55	0.1	25.6	6.9	186	2.18	5.6	1.1	3.5	29	0.1	0.5	0.1	47	0.37	0.045	11
1290076	Soil	0.8	8.3	6.1	42	<0.1	21.2	7.0	215	1.94	4.4	<0.5	2.3	25	<0.1	0.3	<0.1	40	0.28	0.048	8
1290077	Soil	1.1	11.1	8.1	55	<0.1	21.5	7.1	229	2.03	6.0	1.6	3.6	23	<0.1	0.6	0.1	40	0.28	0.057	11
1290078	Soil	0.8	6.5	7.4	81	0.1	19.4	6.3	220	1.97	4.3	0.5	2.1	24	0.2	0.3	0.1	41	0.29	0.046	9
1290079	Soil	1.1	6.6	8.4	78	<0.1	17.7	6.6	236	1.85	4.4	1.8	2.6	21	0.3	0.3	0.1	38	0.22	0.026	10
1290080	Soil	1.2	8.7	10.1	107	0.1	28.7	7.3	243	2.58	6.1	1.3	3.5	21	0.4	0.6	0.2	48	0.22	0.020	11
1290081	Soil	3.4	39.4	15.0	185	0.6	37.9	7.7	383	2.11	14.9	3.1	3.7	202	2.2	2.8	0.1	50	6.53	0.088	12
1290082	Soil	6.6	44.0	14.4	220	1.0	54.5	6.7	233	1.78	19.9	2.8	3.0	159	2.9	4.0	0.1	88	3.32	0.096	15
1290083	Soil	5.4	47.0	14.8	263	1.0	58.0	7.2	231	1.93	15.8	1.6	3.6	126	3.3	3.6	0.2	72	2.56	0.102	16
1290084	Soil	2.1	11.1	7.7	97	0.6	23.9	7.0	259	1.98	5.1	1.7	3.3	37	0.6	1.3	0.1	44	0.41	0.073	14
1290085	Soil	1.4	9.7	8.6	81	0.3	20.4	5.9	182	2.04	5.4	<0.5	3.8	29	0.6	0.5	0.2	53	0.33	0.059	14
1290086	Soil	1.2	17.1	8.9	72	0.3	26.3	8.5	318	2.33	6.5	0.9	4.8	23	0.3	0.6	0.2	40	0.33	0.077	17
1290087	Soil	1.3	11.7	7.8	96	0.5	22.6	7.8	274	2.35	4.4	2.4	2.8	27	1.0	0.3	0.1	46	0.34	0.067	13
1290088	Soil	2.4	19.1	10.0	136	0.6	25.7	7.1	373	1.94	7.5	0.9	2.5	50	1.9	1.7	0.2	54	0.50	0.079	16
1290089	Soil	1.5	11.7	8.5	98	0.2	24.9	7.8	306	2.23	5.7	2.0	3.9	29	0.4	0.6	0.1	48	0.34	0.072	14
1290090	Soil	2.3	15.7	11.0	139	0.2	34.7	6.9	172	2.12	8.6	3.4	4.6	36	1.4	1.3	0.2	48	0.36	0.066	16

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Project: KITZA  
 Report Date: December 04, 2011

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# CERTIFICATE OF ANALYSIS

WHI11001766.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
				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	
1290061	Soil			19	0.30	420	0.007	1	1.05	0.004	0.08	0.1	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
1290062	Soil			18	0.26	246	0.007	1	0.85	0.004	0.07	0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1290063	Soil			18	0.29	247	0.008	2	0.84	0.004	0.08	0.1	0.02	2.7	0.1	<0.05	3	<0.5	<0.2
1290064	Soil			18	0.28	249	0.009	1	0.82	0.004	0.09	0.1	0.04	2.4	0.1	<0.05	2	<0.5	<0.2
1290065	Soil			26	0.36	385	0.047	1	1.15	0.008	0.07	0.2	0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
1290066	Soil			32	0.46	309	0.068	1	1.49	0.011	0.05	0.1	0.01	1.9	0.1	<0.05	5	<0.5	<0.2
1290067	Soil			31	0.44	251	0.059	<1	1.13	0.009	0.09	0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1290068	Soil			29	0.46	174	0.051	<1	1.00	0.008	0.04	0.1	0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
1290069	Soil			27	0.44	181	0.052	<1	1.02	0.010	0.06	0.2	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1290070	Soil			31	0.46	220	0.049	<1	1.06	0.009	0.06	0.2	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1290071	Soil			29	0.44	245	0.048	<1	1.19	0.010	0.04	0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1290072	Soil			21	0.26	312	0.021	<1	0.86	0.005	0.07	0.2	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1290073	Soil			20	0.29	239	0.030	2	0.69	0.007	0.08	0.2	0.01	1.6	<0.1	0.18	3	<0.5	<0.2
1290074	Soil			24	0.38	336	0.034	2	1.02	0.010	0.08	0.1	0.02	1.9	<0.1	0.11	3	0.7	<0.2
1290075	Soil			29	0.53	397	0.044	<1	1.34	0.014	0.05	0.1	0.02	2.1	<0.1	0.08	4	<0.5	<0.2
1290076	Soil			28	0.53	244	0.041	<1	1.08	0.012	0.04	0.1	<0.01	1.4	<0.1	0.07	3	<0.5	<0.2
1290077	Soil			24	0.50	235	0.036	1	1.05	0.010	0.05	0.1	0.01	1.7	<0.1	0.06	3	<0.5	<0.2
1290078	Soil			24	0.49	299	0.046	3	1.18	0.016	0.05	0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1290079	Soil			22	0.40	268	0.046	3	1.01	0.010	0.06	0.1	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
1290080	Soil			28	0.41	419	0.073	1	1.47	0.014	0.07	0.1	0.01	1.8	<0.1	<0.05	6	0.7	<0.2
1290081	Soil			19	0.89	809	0.010	4	0.69	0.009	0.12	0.1	0.21	2.6	0.2	0.22	2	1.9	<0.2
1290082	Soil			21	0.54	1311	0.010	3	0.65	0.006	0.09	0.1	0.38	2.5	0.2	0.24	2	3.4	<0.2
1290083	Soil			23	0.67	939	0.013	4	0.73	0.007	0.08	0.2	0.31	2.6	0.3	0.24	2	2.4	<0.2
1290084	Soil			25	0.50	541	0.039	<1	1.07	0.012	0.04	0.2	0.07	1.9	<0.1	0.13	4	0.8	<0.2
1290085	Soil			26	0.53	309	0.048	2	1.25	0.012	0.05	0.2	0.03	1.7	<0.1	0.10	5	0.9	<0.2
1290086	Soil			28	0.59	391	0.038	<1	1.22	0.014	0.04	0.2	0.04	1.9	<0.1	0.08	4	0.9	<0.2
1290087	Soil			27	0.54	335	0.044	2	1.37	0.012	0.04	0.2	0.03	1.7	<0.1	0.07	5	1.0	<0.2
1290088	Soil			25	0.45	783	0.031	2	1.14	0.011	0.05	0.2	0.09	1.8	0.1	0.09	4	1.2	<0.2
1290089	Soil			29	0.58	409	0.047	3	1.40	0.013	0.04	0.2	0.03	2.0	0.1	0.07	5	0.6	<0.2
1290090	Soil			27	0.55	723	0.028	3	1.32	0.011	0.06	0.2	0.08	2.1	0.1	0.06	4	0.5	<0.2

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Project: KITZA  
 Report Date: December 04, 2011

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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	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	2	0.01	0.001	1	
1290091	Soil	1.4	11.9	8.2	126	0.5	27.4	8.2	381	2.25	4.8	2.5	3.1	31	1.5	0.7	0.1	46	0.34	0.055	12
1290092	Soil	1.0	11.7	7.5	80	0.3	22.0	7.4	324	2.02	4.7	2.7	2.7	33	0.8	0.4	0.1	38	0.39	0.066	12
1290093	Soil	1.0	11.0	7.2	93	0.2	20.0	6.2	196	1.77	3.8	<0.5	2.8	28	0.5	0.5	0.1	39	0.34	0.056	12
1290094	Soil	1.5	11.6	7.4	111	0.4	20.7	6.2	253	1.87	4.2	1.3	2.3	32	1.0	0.5	0.1	42	0.34	0.050	11
1290095	Soil	1.7	9.3	8.7	61	0.1	21.7	7.0	214	2.08	5.3	<0.5	3.8	27	0.5	0.4	0.1	41	0.34	0.069	13
1290096	Soil	2.0	21.5	7.8	145	0.6	26.6	6.9	330	1.95	5.4	<0.5	2.2	47	2.5	1.1	0.1	46	0.57	0.073	14
1290097	Soil	4.5	19.4	9.0	115	0.6	26.7	6.4	251	1.78	9.6	1.7	3.1	53	1.6	2.9	0.1	57	0.42	0.068	15
1290098	Soil	2.9	16.1	8.3	107	0.5	23.0	6.4	261	1.87	5.6	0.9	2.3	43	1.4	1.4	0.2	50	0.40	0.064	13
1290099	Soil	4.6	14.9	9.2	110	0.6	23.2	6.3	262	1.75	8.5	2.8	3.1	47	1.2	2.5	0.2	51	0.39	0.074	15
1290100	Soil	1.7	9.5	6.9	87	0.4	17.9	5.0	173	1.73	4.7	<0.5	2.6	31	0.7	1.1	0.1	44	0.33	0.064	12
1290101	Soil	3.8	6.8	6.8	75	0.3	14.8	4.7	176	1.66	5.9	<0.5	3.2	32	1.0	1.6	0.1	46	0.28	0.066	15
1290102	Soil	1.8	16.8	7.7	91	0.3	28.3	7.1	227	1.92	5.7	0.6	3.2	33	1.4	1.1	0.1	42	0.36	0.061	14
1290103	Soil	2.8	14.6	8.9	69	0.5	23.5	6.8	211	1.90	7.2	1.8	4.9	37	0.5	3.0	0.2	43	0.38	0.090	16
1290104	Soil	3.3	31.2	9.6	134	0.8	36.5	8.2	408	2.19	8.3	2.9	3.1	53	2.2	3.1	0.2	54	0.52	0.078	16
1290105	Soil	16.4	46.7	14.1	312	1.2	53.7	7.6	264	2.02	20.8	4.4	3.7	116	3.3	13.7	0.2	136	0.73	0.085	18
1290106	Soil	1.4	15.0	8.9	80	0.6	29.9	8.2	317	2.09	7.3	7.1	4.1	37	0.8	1.0	0.2	38	0.44	0.085	18
1290107	Soil	5.6	17.7	10.1	123	1.2	30.0	7.4	229	2.39	10.2	1.7	4.6	36	1.0	3.4	0.2	61	0.24	0.082	14
1290108	Soil	10.7	27.2	12.9	206	0.7	44.9	7.9	151	2.31	16.6	1.8	4.8	55	1.3	4.3	0.2	68	0.32	0.053	17
1290109	Soil	5.9	8.2	9.7	78	1.2	16.2	4.6	151	2.37	10.3	1.5	2.9	21	0.7	2.5	0.1	71	0.12	0.069	11
1290110	Soil	35.4	36.8	15.4	123	0.6	22.3	3.5	82	2.07	21.3	1.4	3.5	82	0.6	18.1	0.2	104	0.08	0.090	16
1290111	Soil	5.1	10.0	8.8	104	0.6	20.5	6.5	198	2.48	7.0	2.2	3.7	22	0.6	1.6	0.2	60	0.20	0.054	12
1290112	Soil	2.3	12.3	7.9	64	0.2	27.4	7.9	190	2.25	5.6	2.2	4.0	23	0.3	0.8	0.1	46	0.28	0.064	12
1290113	Soil	1.9	13.7	7.9	72	1.0	23.9	7.7	216	2.45	5.0	1.7	3.4	19	0.6	0.4	0.1	50	0.21	0.047	13
1290114	Soil	2.0	9.1	8.0	92	0.5	19.8	6.8	175	2.25	4.8	1.3	3.5	20	0.5	0.4	0.1	44	0.25	0.062	12
1290115	Soil	1.9	12.1	8.7	83	0.7	24.7	8.4	229	2.81	6.5	1.2	4.5	20	0.5	0.6	0.2	50	0.25	0.061	14
1290116	Soil	2.3	9.9	7.9	82	0.5	19.2	7.6	238	2.60	5.1	1.8	3.9	18	0.4	0.4	0.1	50	0.21	0.048	13
1290117	Soil	2.2	9.3	8.4	56	0.7	14.7	5.8	161	2.01	3.8	0.9	3.4	16	0.4	0.3	0.1	44	0.18	0.043	12
1290118	Soil	2.1	10.6	8.9	71	1.7	22.3	8.5	247	2.54	6.6	3.3	4.8	16	0.8	0.5	0.2	44	0.18	0.070	14
1290119	Soil	2.5	7.5	8.1	47	1.4	13.4	4.2	119	1.65	4.0	2.8	3.1	17	0.3	0.3	0.1	44	0.22	0.038	13
1290120	Soil	1.5	15.0	8.5	72	0.5	32.6	10.0	249	2.66	6.0	1.4	5.1	24	0.3	0.5	0.2	47	0.33	0.073	15

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**Report Date:** December 04, 2011

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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
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		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	
1290091	Soil	27	0.51	589	0.035	1	1.36	0.012	0.05	0.2	0.04	1.8	<0.1	0.05	5	<0.5	<0.2
1290092	Soil	26	0.53	577	0.040	2	1.15	0.015	0.04	0.2	0.04	1.7	<0.1	0.06	4	0.8	<0.2
1290093	Soil	24	0.51	544	0.040	1	1.15	0.011	0.04	0.2	0.04	1.7	<0.1	0.06	4	<0.5	<0.2
1290094	Soil	25	0.47	606	0.038	2	1.19	0.013	0.04	0.2	0.03	1.6	<0.1	0.05	5	0.5	<0.2
1290095	Soil	26	0.56	436	0.038	2	1.21	0.011	0.05	0.2	0.01	1.6	<0.1	0.05	4	<0.5	<0.2
1290096	Soil	26	0.47	868	0.034	1	1.22	0.011	0.04	0.2	0.09	1.9	<0.1	0.07	4	0.9	<0.2
1290097	Soil	22	0.40	869	0.022	3	1.00	0.008	0.06	0.2	0.13	1.8	0.2	0.07	3	1.4	<0.2
1290098	Soil	24	0.44	745	0.029	2	1.14	0.010	0.04	0.2	0.06	1.6	0.1	0.07	4	1.3	<0.2
1290099	Soil	22	0.40	869	0.025	2	1.02	0.008	0.05	0.2	0.10	1.7	0.2	0.06	3	1.7	<0.2
1290100	Soil	22	0.45	633	0.026	1	1.08	0.009	0.04	0.2	0.07	1.4	<0.1	<0.05	4	0.8	<0.2
1290101	Soil	21	0.40	403	0.034	1	0.87	0.007	0.04	0.3	0.03	1.2	<0.1	0.05	3	1.2	<0.2
1290102	Soil	25	0.49	959	0.035	3	1.26	0.015	0.05	0.2	0.08	1.7	<0.1	0.06	4	0.8	<0.2
1290103	Soil	23	0.52	702	0.034	3	0.96	0.012	0.05	0.3	0.17	1.9	0.1	<0.05	3	1.3	<0.2
1290104	Soil	27	0.50	958	0.026	3	1.25	0.015	0.05	0.2	0.21	2.4	0.2	0.06	4	1.3	<0.2
1290105	Soil	23	0.43	1614	0.009	3	0.99	0.007	0.11	0.3	0.88	2.4	0.4	0.09	3	5.3	<0.2
1290106	Soil	28	0.55	687	0.034	2	1.09	0.013	0.06	0.3	0.07	2.3	<0.1	<0.05	4	0.6	<0.2
1290107	Soil	28	0.48	437	0.031	2	1.24	0.008	0.06	0.2	0.21	1.7	0.2	<0.05	4	2.7	<0.2
1290108	Soil	20	0.26	1603	0.005	2	1.10	0.005	0.08	0.2	0.21	2.1	0.2	<0.05	3	2.5	<0.2
1290109	Soil	25	0.28	295	0.038	<1	0.90	0.005	0.04	0.3	0.04	1.2	0.1	<0.05	6	0.9	<0.2
1290110	Soil	18	0.13	455	0.017	1	0.58	0.004	0.09	0.4	0.10	1.1	0.9	0.11	3	7.7	<0.2
1290111	Soil	29	0.39	377	0.049	<1	1.33	0.009	0.05	0.2	0.05	1.7	0.1	<0.05	6	0.8	<0.2
1290112	Soil	30	0.48	442	0.036	<1	1.35	0.009	0.04	0.2	0.03	1.9	<0.1	<0.05	4	0.8	<0.2
1290113	Soil	31	0.44	295	0.055	<1	1.47	0.009	0.04	0.2	0.05	2.0	<0.1	<0.05	5	0.6	<0.2
1290114	Soil	28	0.48	318	0.047	<1	1.28	0.008	0.04	0.2	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
1290115	Soil	35	0.51	302	0.051	1	1.54	0.010	0.04	0.2	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
1290116	Soil	30	0.42	356	0.060	<1	1.43	0.009	0.04	0.2	0.02	1.9	<0.1	<0.05	6	0.6	<0.2
1290117	Soil	26	0.39	289	0.044	1	1.28	0.013	0.04	0.2	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
1290118	Soil	29	0.47	242	0.045	<1	1.42	0.010	0.05	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1290119	Soil	22	0.37	310	0.056	<1	1.06	0.008	0.05	0.2	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
1290120	Soil	36	0.55	442	0.053	<1	1.60	0.011	0.05	0.2	0.04	2.3	<0.1	<0.05	5	0.6	<0.2



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Project: KITZA  
 Report Date: December 04, 2011

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CERTIFICATE OF ANALYSIS

WHI11001766.1

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	MDL	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
1290121	Soil	1.8	11.6	8.0	57	0.2	27.4	8.7	218	2.63	5.1	2.3	3.5	24	0.2	0.4	0.1	47	0.32	0.070	12
1290122	Soil	2.1	9.6	8.0	62	0.1	23.5	6.7	157	2.03	4.2	2.9	3.8	20	0.3	0.5	0.1	38	0.24	0.053	14
1290123	Soil	4.3	16.2	10.5	102	0.2	32.2	7.5	175	2.17	8.0	1.5	5.1	36	0.3	1.6	0.1	42	0.31	0.058	16
1290124	Soil	2.4	8.5	8.3	100	<0.1	20.6	7.0	196	1.86	3.6	0.7	4.1	21	0.3	0.4	0.2	42	0.27	0.027	15
1290125	Soil	5.1	8.2	9.4	76	0.3	17.0	4.9	157	2.09	6.4	<0.5	3.8	18	0.3	0.8	0.1	51	0.18	0.044	14
1290126	Soil	4.7	11.7	8.4	60	0.4	20.0	6.5	149	2.48	5.3	3.4	3.8	19	0.3	0.4	0.2	52	0.25	0.052	13
1290127	Soil	2.7	9.0	8.0	57	1.2	19.5	6.0	137	2.00	4.5	0.9	4.0	21	0.1	0.2	0.1	42	0.29	0.058	14
1290128	Soil	12.8	23.0	10.2	556	0.7	72.3	4.7	86	2.53	15.4	2.2	5.8	25	0.4	3.0	0.1	31	0.13	0.052	21
1290129	Soil	3.6	18.9	12.0	88	0.3	29.4	6.4	121	1.70	8.0	2.7	5.2	38	0.2	1.6	0.2	39	0.26	0.083	22
1290130	Soil	1.6	11.8	8.2	46	0.4	22.0	6.9	175	2.18	5.3	1.8	4.7	19	0.2	0.5	0.1	45	0.24	0.068	15
1290131	Soil	1.5	10.4	8.6	52	1.5	19.4	6.5	174	2.50	5.4	2.9	4.6	16	0.2	0.4	0.1	50	0.16	0.045	14
1290132	Soil	1.9	9.4	8.0	44	2.5	15.5	5.0	140	2.12	4.8	0.9	3.2	15	0.3	0.3	0.1	45	0.17	0.044	12
1290133	Soil	3.8	9.6	8.4	47	1.9	15.9	5.3	138	2.22	3.8	1.4	3.2	15	0.3	0.4	0.1	46	0.17	0.046	12
1290134	Soil	1.5	12.5	7.5	84	0.2	28.2	7.5	249	1.97	4.7	1.7	4.4	25	0.5	0.5	0.1	36	0.36	0.074	18
1290135	Soil	3.4	55.8	13.9	269	4.7	112.1	16.0	681	2.77	15.8	4.4	4.7	20	0.9	5.2	0.2	41	0.49	0.071	19
1290136	Soil	2.0	31.2	10.2	209	1.4	65.4	9.9	280	2.38	10.6	3.5	3.8	25	0.6	2.1	0.2	65	0.58	0.068	17
1290137	Soil	4.2	21.7	11.9	130	0.7	29.5	6.0	103	2.01	6.3	5.0	3.3	23	0.5	1.1	0.1	64	0.33	0.028	12
1290138	Soil	3.0	26.4	7.9	433	2.8	120.7	5.7	193	1.26	17.3	2.2	1.9	41	1.6	2.1	0.1	274	2.46	0.086	12
1290139	Soil	7.8	28.0	4.9	292	1.3	70.8	3.9	163	0.72	8.9	2.1	2.2	107	1.7	2.9	<0.1	176	8.52	0.049	7
1290140	Soil	2.9	39.3	7.3	168	1.0	42.6	8.5	277	2.10	5.9	3.0	2.1	44	1.7	1.8	0.1	49	0.72	0.092	17
1290141	Soil	5.4	67.2	9.7	506	4.3	133.6	8.1	224	1.94	11.6	4.5	1.9	50	4.3	4.2	0.2	73	0.88	0.109	15
1290142	Soil	2.9	29.2	10.8	141	0.9	40.4	8.4	259	2.15	9.6	3.9	4.4	37	0.8	2.0	0.2	56	0.48	0.095	19
1290143	Soil	1.6	13.2	9.1	90	0.3	29.1	7.6	221	2.16	6.4	1.3	4.8	28	0.3	0.7	0.1	47	0.40	0.067	16
1290144	Soil	1.3	23.0	8.2	108	0.6	32.1	8.2	248	1.99	5.2	2.2	2.0	49	1.1	0.9	0.1	48	0.82	0.088	16
1290145	Soil	2.2	31.0	10.7	155	3.7	32.8	4.4	83	2.16	9.0	0.5	2.5	37	1.5	3.8	0.2	96	0.15	0.068	14
1290146	Soil	2.2	27.7	11.2	179	1.4	53.3	9.8	353	2.44	8.6	2.7	3.3	55	1.1	1.8	0.2	83	1.20	0.085	19
1290147	Soil	1.3	26.6	9.0	108	1.0	32.8	8.5	365	2.25	4.8	10.6	2.8	47	1.1	0.9	0.1	45	0.86	0.076	17
1290148	Soil	1.3	9.6	13.5	115	0.4	18.0	5.8	149	1.68	3.8	<0.5	3.2	26	0.7	0.7	0.2	48	0.40	0.034	13
1290149	Soil	1.1	13.1	10.2	66	0.3	26.7	8.6	258	2.47	4.6	1.3	5.3	29	0.2	0.5	0.1	46	0.44	0.069	17
1290150	Soil	0.9	19.2	9.5	77	0.3	36.4	9.7	370	2.75	5.6	4.3	4.9	31	0.3	0.6	0.2	49	0.49	0.067	18

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**Project:** KITZA  
**Report Date:** December 04, 2011

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# CERTIFICATE OF ANALYSIS

WHI11001766.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		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	
1290121	Soil	33	0.56	285	0.054	1	1.54	0.015	0.05	0.2	0.01	2.1	<0.1	<0.05	5	0.6	<0.2
1290122	Soil	23	0.43	303	0.023	<1	1.28	0.007	0.05	0.2	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1290123	Soil	22	0.37	1078	0.018	2	1.24	0.008	0.08	0.1	0.04	2.1	0.1	<0.05	3	0.5	<0.2
1290124	Soil	25	0.40	568	0.044	<1	1.52	0.010	0.05	0.2	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
1290125	Soil	23	0.35	239	0.050	<1	1.02	0.007	0.06	0.2	0.01	1.4	<0.1	<0.05	5	1.0	<0.2
1290126	Soil	30	0.41	293	0.048	<1	1.38	0.010	0.04	0.2	0.03	1.9	<0.1	<0.05	5	0.7	<0.2
1290127	Soil	28	0.47	254	0.057	<1	1.39	0.011	0.04	0.2	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1290128	Soil	10	0.10	772	0.008	<1	0.51	0.003	0.05	<0.1	0.11	1.8	<0.1	<0.05	2	6.1	<0.2
1290129	Soil	22	0.30	857	0.017	2	1.18	0.006	0.05	0.2	0.06	2.2	0.2	<0.05	3	0.9	<0.2
1290130	Soil	30	0.47	259	0.053	<1	1.38	0.008	0.05	0.2	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1290131	Soil	31	0.47	210	0.059	1	1.43	0.009	0.05	0.2	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
1290132	Soil	25	0.37	227	0.048	<1	1.38	0.009	0.04	0.2	0.04	1.7	<0.1	<0.05	5	<0.5	<0.2
1290133	Soil	26	0.38	224	0.039	<1	1.28	0.007	0.03	0.1	0.04	1.6	<0.1	<0.05	5	<0.5	<0.2
1290134	Soil	24	0.43	698	0.027	<1	1.34	0.008	0.06	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1290135	Soil	30	0.35	323	0.019	2	1.06	0.006	0.08	0.1	0.34	5.8	0.3	<0.05	2	2.3	<0.2
1290136	Soil	45	0.61	431	0.043	1	1.16	0.010	0.06	0.2	0.12	3.2	0.2	<0.05	4	1.2	<0.2
1290137	Soil	24	0.66	422	0.019	<1	1.44	0.006	0.13	0.1	0.12	2.3	0.2	<0.05	4	0.6	<0.2
1290138	Soil	108	1.92	453	0.008	5	0.92	0.005	0.13	0.2	0.28	2.8	0.2	0.05	4	1.3	<0.2
1290139	Soil	60	5.17	221	0.006	6	0.57	0.007	0.10	0.2	0.20	2.2	0.2	0.06	2	2.1	<0.2
1290140	Soil	31	0.45	538	0.047	<1	1.23	0.012	0.05	0.2	0.09	2.1	<0.1	<0.05	5	1.2	<0.2
1290141	Soil	39	0.24	661	0.017	3	0.67	0.006	0.06	0.2	0.37	2.9	0.3	<0.05	3	4.6	<0.2
1290142	Soil	28	0.37	587	0.028	<1	0.97	0.008	0.06	0.2	0.12	2.5	0.1	<0.05	3	2.0	<0.2
1290143	Soil	31	0.47	315	0.050	<1	1.28	0.011	0.05	0.2	0.02	2.1	<0.1	<0.05	4	0.6	<0.2
1290144	Soil	30	0.46	570	0.041	1	1.23	0.015	0.05	0.1	0.08	2.2	<0.1	<0.05	4	1.2	<0.2
1290145	Soil	48	0.19	586	0.022	2	1.01	0.006	0.08	0.2	0.08	1.6	0.3	<0.05	5	2.7	<0.2
1290146	Soil	47	0.88	571	0.034	4	1.21	0.013	0.07	0.2	0.10	2.8	0.1	<0.05	4	3.3	<0.2
1290147	Soil	29	0.53	587	0.044	3	1.28	0.014	0.05	0.3	0.07	2.4	<0.1	<0.05	4	1.2	<0.2
1290148	Soil	23	0.44	423	0.036	2	1.08	0.007	0.05	0.2	0.03	1.6	<0.1	<0.05	4	0.9	<0.2
1290149	Soil	31	0.55	451	0.048	2	1.42	0.013	0.05	0.2	0.03	2.5	<0.1	<0.05	5	1.0	<0.2
1290150	Soil	54	0.58	602	0.066	2	1.51	0.020	0.05	0.2	0.06	3.1	<0.1	<0.05	5	0.8	<0.2

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Project: KITZA  
 Report Date: December 04, 2011

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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	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	MDL	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	2	0.01	0.001	1	
1290151	Soil	1.0	12.8	9.2	81	0.2	30.5	9.9	303	2.79	5.5	1.2	5.3	26	0.2	0.5	0.2	51	0.36	0.047	17
1290152	Soil	1.1	27.8	11.4	81	0.4	38.7	9.1	276	2.67	5.5	5.8	4.8	38	0.5	0.8	0.2	38	0.68	0.069	20
1290153	Soil	2.3	23.4	14.5	116	0.4	35.7	8.9	254	2.44	7.0	3.3	6.5	37	0.4	1.3	0.2	54	0.46	0.076	23
1290154	Soil	1.6	12.5	10.3	75	<0.1	31.9	8.9	200	2.47	6.1	4.8	6.2	24	0.6	0.7	0.2	49	0.33	0.079	20
1290155	Soil	2.6	10.7	11.8	171	0.1	26.0	8.2	203	2.70	5.7	0.8	4.1	19	1.1	0.9	0.2	75	0.16	0.034	14
1290156	Soil	2.9	28.9	13.1	146	0.6	40.5	8.8	252	2.45	8.6	2.5	6.9	50	1.1	1.8	0.2	67	0.56	0.092	26
1290157	Soil	1.7	11.8	9.4	125	0.1	22.3	6.5	181	2.06	5.2	2.4	4.0	27	1.1	0.7	0.1	55	0.27	0.051	16
1290158	Soil	1.2	14.8	7.9	91	0.1	34.6	8.5	279	2.64	4.6	1.5	4.5	38	0.5	0.5	0.1	54	0.42	0.063	14
1290159	Soil	5.0	31.1	18.2	372	1.0	58.6	10.7	329	2.04	9.6	1.9	3.8	50	1.9	2.3	0.2	65	0.22	0.053	24
1290160	Soil	7.9	39.7	16.5	255	0.5	53.8	9.9	197	2.42	15.2	2.0	7.0	45	1.4	3.7	0.2	84	0.36	0.039	24
1290161	Soil	8.2	54.8	24.9	505	1.0	105.5	13.1	347	3.11	20.7	4.1	7.7	105	3.9	5.6	0.2	96	0.61	0.128	25
1290162	Soil	1.9	10.4	10.4	76	0.8	24.0	7.8	203	2.62	4.7	1.8	4.2	27	0.6	0.5	0.1	59	0.27	0.033	14
1290163	Soil	1.3	20.6	10.1	149	0.5	28.3	7.4	242	2.01	5.3	1.6	3.4	50	1.6	1.0	0.1	54	0.61	0.068	14
1290164	Soil	4.5	38.6	17.2	246	0.8	45.8	8.1	178	2.37	15.3	2.2	5.2	74	1.8	3.9	0.2	106	0.76	0.080	21
1290165	Soil	1.5	43.1	12.4	244	0.7	47.1	8.5	295	2.39	7.9	2.0	3.3	61	5.4	1.4	0.2	59	0.77	0.082	18
1290166	Soil	5.4	42.4	23.3	312	0.6	50.3	8.5	179	2.31	19.2	4.7	4.6	91	2.6	4.3	0.2	128	0.84	0.104	22
1290167	Soil	6.3	47.5	19.8	294	0.8	58.0	9.2	189	2.56	19.3	3.5	6.7	67	2.1	4.5	0.2	143	0.52	0.099	25
1290168	Soil	1.0	16.8	8.7	63	0.2	32.2	8.0	226	2.42	5.2	2.4	5.2	34	0.3	0.5	0.1	47	0.41	0.061	16
1290169	Soil	2.0	11.7	10.0	122	0.1	27.4	8.2	217	2.43	4.7	1.3	4.9	28	0.8	0.6	0.1	61	0.32	0.066	16
1290170	Soil	1.4	16.7	10.7	198	0.4	26.4	6.8	213	1.92	3.8	1.0	3.9	40	1.5	0.6	0.1	60	0.42	0.046	16
1290171	Soil	1.5	23.1	9.7	221	0.8	33.5	7.3	261	2.04	4.4	2.5	3.8	41	2.0	1.1	0.1	67	0.47	0.065	15
1290172	Soil	1.5	6.3	7.6	106	0.2	17.6	6.3	214	1.77	2.3	1.1	3.2	26	0.4	0.3	0.1	48	0.30	0.034	12
1290173	Soil	6.3	53.0	22.9	365	0.5	60.7	8.6	168	2.20	18.4	2.8	6.6	37	1.9	4.7	0.2	145	0.22	0.054	22
1290174	Soil	3.8	48.3	17.7	360	0.2	40.7	4.7	51	1.65	7.8	2.3	2.7	28	1.5	3.8	0.1	41	0.04	0.062	21
1290175	Soil	2.7	21.1	15.4	231	0.1	28.4	5.1	103	1.60	6.3	1.8	3.3	39	1.3	1.8	0.1	123	0.41	0.057	20
1290176	Soil	2.2	100.5	11.9	286	2.6	66.1	5.9	210	1.55	8.1	3.1	1.1	106	7.5	1.9	0.1	60	1.29	0.091	16
1290177	Soil	8.1	35.6	19.3	398	0.2	62.5	6.4	67	2.28	26.2	3.7	6.2	43	1.4	6.9	0.2	76	0.19	0.063	22
1290251	Soil	2.7	20.1	22.3	325	2.3	28.3	9.1	346	2.97	70.6	2.6	3.6	151	4.1	3.3	0.3	64	0.41	0.318	18
1290252	Soil	2.8	17.0	10.2	197	0.5	46.3	7.7	161	2.42	33.0	2.3	5.0	81	1.0	1.7	0.2	97	0.30	0.093	15
1290253	Soil	11.9	33.7	42.9	430	2.9	51.7	5.7	197	3.45	54.9	4.5	3.5	208	8.5	14.5	0.3	89	0.38	0.169	15

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**Project:** KITZA  
**Report Date:** December 04, 2011

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# CERTIFICATE OF ANALYSIS

WHI11001766.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
1290151	Soil	36	0.56	382	0.063	2	1.48	0.013	0.05	0.2	0.03	3.0	<0.1	<0.05	5	0.5	<0.2
1290152	Soil	27	0.46	583	0.040	2	1.26	0.011	0.07	0.2	0.08	4.0	<0.1	<0.05	4	1.1	<0.2
1290153	Soil	26	0.50	571	0.031	3	1.15	0.010	0.09	0.2	0.11	3.5	0.1	<0.05	3	1.3	<0.2
1290154	Soil	33	0.54	370	0.039	2	1.49	0.010	0.06	0.3	0.01	2.3	0.1	<0.05	4	1.0	<0.2
1290155	Soil	29	0.35	347	0.050	1	1.44	0.008	0.05	0.2	0.02	1.8	0.1	<0.05	6	0.8	<0.2
1290156	Soil	30	0.53	753	0.030	3	1.21	0.016	0.10	0.3	0.11	3.2	0.1	<0.05	3	1.6	<0.2
1290157	Soil	26	0.42	456	0.043	2	1.25	0.008	0.07	0.2	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
1290158	Soil	36	0.57	502	0.092	2	1.64	0.018	0.05	0.2	0.02	2.6	<0.1	<0.05	5	0.8	<0.2
1290159	Soil	22	0.23	1183	0.014	2	1.02	0.006	0.12	0.1	0.08	2.5	0.2	<0.05	3	1.9	<0.2
1290160	Soil	24	0.29	1264	0.016	2	1.20	0.007	0.12	0.1	0.10	2.9	0.2	<0.05	3	3.0	<0.2
1290161	Soil	24	0.27	2307	0.019	5	1.06	0.006	0.15	0.2	0.23	3.8	0.3	<0.05	3	3.5	<0.2
1290162	Soil	35	0.50	424	0.069	3	1.67	0.010	0.05	0.2	0.04	2.3	<0.1	<0.05	6	0.8	<0.2
1290163	Soil	25	0.42	821	0.033	2	1.20	0.011	0.06	0.2	0.07	2.2	<0.1	<0.05	4	1.2	<0.2
1290164	Soil	23	0.31	1093	0.021	3	0.95	0.009	0.10	0.2	0.22	3.0	0.2	<0.05	3	3.0	<0.2
1290165	Soil	29	0.44	832	0.033	2	1.26	0.011	0.07	0.2	0.11	3.2	<0.1	<0.05	4	1.6	<0.2
1290166	Soil	22	0.20	1043	0.011	3	0.89	0.005	0.13	0.1	0.22	3.3	0.2	<0.05	2	3.4	<0.2
1290167	Soil	25	0.26	979	0.018	3	1.03	0.008	0.11	0.2	0.21	3.8	0.2	<0.05	3	3.3	<0.2
1290168	Soil	33	0.55	753	0.052	<1	1.46	0.012	0.05	0.2	0.05	2.8	<0.1	<0.05	4	0.7	<0.2
1290169	Soil	33	0.54	570	0.056	2	1.62	0.010	0.06	0.2	0.02	2.3	<0.1	<0.05	5	0.6	<0.2
1290170	Soil	29	0.39	822	0.045	3	1.59	0.010	0.06	0.2	0.04	2.5	0.1	<0.05	5	1.0	<0.2
1290171	Soil	30	0.44	878	0.050	2	1.44	0.014	0.07	0.2	0.07	2.7	0.1	<0.05	5	1.2	<0.2
1290172	Soil	25	0.43	391	0.061	1	1.28	0.009	0.04	0.2	<0.01	1.8	<0.1	<0.05	5	0.6	<0.2
1290173	Soil	22	0.18	1036	0.017	3	0.95	0.005	0.11	0.2	0.11	3.3	0.3	<0.05	3	1.8	<0.2
1290174	Soil	11	0.08	613	0.007	2	0.55	0.004	0.08	<0.1	0.06	2.3	0.2	<0.05	2	<0.5	<0.2
1290175	Soil	23	0.24	910	0.014	2	0.87	0.008	0.10	0.2	0.05	1.8	0.2	<0.05	3	0.7	<0.2
1290176	Soil	17	0.21	1171	0.011	2	1.06	0.008	0.07	0.1	0.32	2.0	0.2	<0.05	3	2.9	<0.2
1290177	Soil	12	0.08	604	0.003	<1	0.58	0.002	0.07	0.1	0.09	2.6	0.2	<0.05	1	3.9	<0.2
1290251	Soil	24	0.19	1452	0.022	4	1.19	0.009	0.20	0.1	0.03	2.5	0.5	0.11	4	1.6	<0.2
1290252	Soil	34	0.41	369	0.034	2	1.34	0.010	0.06	0.2	0.10	2.5	0.2	<0.05	4	2.4	<0.2
1290253	Soil	34	0.12	365	0.006	4	0.73	0.008	0.24	0.1	0.22	2.5	0.5	0.45	3	6.2	<0.2

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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	%	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	2	0.01	0.001	1	
1290254	Soil	6.0	31.5	15.9	266	0.8	44.7	7.3	332	2.02	13.2	2.9	4.9	200	3.4	4.2	0.2	72	4.62	0.097	15
1290255	Soil	4.0	31.6	21.2	170	0.3	43.6	10.0	472	2.75	12.3	3.6	5.7	113	1.1	2.5	0.2	45	2.39	0.086	17
1290256	Soil	1.7	6.7	9.1	123	0.1	23.1	7.1	216	2.29	2.7	3.1	3.5	26	1.0	0.4	0.1	51	0.28	0.025	11
1290257	Soil	1.6	9.8	9.3	123	0.1	23.2	7.0	229	2.20	3.9	3.1	3.7	29	1.7	0.7	0.1	44	0.27	0.026	13
1290258	Soil	1.7	5.6	6.7	68	0.1	17.7	5.9	195	1.98	1.6	4.6	2.8	22	0.4	0.4	<0.1	45	0.19	0.020	10
1290259	Soil	0.8	9.0	8.8	111	0.2	21.4	6.1	210	1.91	2.2	3.0	3.8	32	0.6	0.3	0.1	39	0.35	0.055	15
1290260	Soil	1.1	7.6	8.3	83	0.3	21.3	6.6	185	2.12	2.7	1.1	3.4	23	0.3	0.4	0.1	44	0.22	0.022	11
1290261	Soil	1.7	6.2	10.8	194	0.5	27.6	8.2	210	2.87	3.9	1.1	3.2	25	2.4	0.5	0.2	59	0.22	0.031	12
1290262	Soil	1.5	8.6	9.9	104	0.3	22.5	7.8	286	2.41	4.1	<0.5	3.7	25	0.4	0.6	0.1	49	0.22	0.020	13
1290263	Soil	2.1	10.8	8.8	213	0.4	32.7	7.3	277	2.12	5.1	2.7	4.4	43	1.5	0.7	0.1	51	0.42	0.048	16
1290264	Soil	1.2	9.7	9.9	132	0.2	21.6	8.2	344	2.20	2.4	0.7	4.4	37	0.5	0.4	0.1	50	0.32	0.021	15
1290265	Soil	2.6	15.7	12.2	203	0.4	36.4	8.6	286	2.51	7.6	3.5	4.8	41	1.7	1.1	0.1	69	0.30	0.046	17
1290266	Soil	1.7	14.6	10.5	505	0.7	42.9	9.0	722	2.25	3.5	1.2	3.8	43	9.0	0.9	0.1	77	0.40	0.078	13
1290267	Soil	10.5	13.6	16.8	726	1.3	74.5	7.9	273	2.29	19.2	2.3	5.5	64	4.9	4.7	0.1	213	0.45	0.024	23
1290268	Soil	3.3	20.8	15.8	143	0.4	36.1	8.1	212	2.38	9.8	2.1	6.7	35	1.2	1.8	0.1	65	0.24	0.041	23
1290269	Soil	2.2	5.0	13.9	76	0.1	22.1	5.6	139	1.73	5.3	1.5	5.2	15	0.4	1.0	<0.1	34	0.19	0.012	22
1290270	Soil	1.0	7.5	9.9	94	0.1	23.2	6.5	237	2.01	2.4	1.2	3.8	24	0.4	0.4	<0.1	42	0.23	0.030	12
1290271	Soil	3.4	19.1	13.6	174	0.1	34.9	6.7	201	1.88	9.9	1.9	5.7	37	0.9	2.3	0.1	82	0.29	0.031	22
1290272	Soil	1.9	8.4	10.7	116	<0.1	25.8	6.9	203	2.14	4.3	<0.5	4.1	25	0.9	0.7	<0.1	62	0.22	0.023	14
1290273	Soil	1.0	10.7	9.9	111	<0.1	25.8	8.0	269	2.37	3.3	1.7	5.1	31	0.3	0.3	0.1	50	0.33	0.044	18
1290274	Soil	1.5	13.2	9.7	77	<0.1	26.2	7.6	275	2.15	5.3	2.0	5.7	33	0.5	0.8	0.1	48	0.32	0.057	19
1290275	Soil	0.6	7.2	7.5	72	<0.1	16.4	4.8	154	1.72	1.6	1.7	3.8	26	0.6	0.3	0.1	37	0.24	0.030	14
1290276	Soil	1.3	13.1	9.7	69	<0.1	24.8	6.8	207	2.00	4.9	1.5	6.0	24	0.3	0.7	0.1	42	0.21	0.035	21
1290277	Soil	1.8	9.1	10.2	124	<0.1	23.9	6.7	231	2.08	4.6	<0.5	4.1	28	0.9	0.8	0.1	58	0.22	0.035	15
1290278	Soil	1.4	8.5	7.0	108	<0.1	25.7	7.2	235	2.25	4.4	<0.5	3.7	29	0.5	0.7	<0.1	58	0.25	0.040	13
1290279	Soil	3.7	12.6	12.5	169	<0.1	31.8	6.6	306	2.07	8.3	1.1	5.0	23	0.7	2.3	0.1	61	0.18	0.034	17
1290280	Soil	3.3	17.4	15.3	182	0.2	35.0	6.8	339	2.12	9.7	2.8	5.4	22	0.9	2.2	0.1	53	0.16	0.045	18
1290281	Soil	10.4	22.8	16.3	361	0.4	57.1	5.9	232	1.82	14.5	1.5	4.6	63	2.8	5.3	0.1	169	0.58	0.077	22
1290282	Soil	3.1	8.0	7.9	121	<0.1	24.9	5.9	198	2.05	5.2	0.9	4.2	30	0.5	1.2	<0.1	71	0.24	0.019	15
1290283	Soil	6.2	6.4	12.2	535	0.5	42.6	5.0	280	1.97	13.5	<0.5	5.4	29	1.9	2.9	0.1	151	0.20	0.031	22

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		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	
1290254	Soil	18	0.77	750	0.013	2	0.61	0.008	0.08	0.2	0.23	2.6	0.3	<0.05	2	2.0	<0.2
1290255	Soil	26	0.58	346	0.014	2	0.97	0.009	0.09	0.2	0.14	3.7	0.2	<0.05	3	1.5	<0.2
1290256	Soil	29	0.46	240	0.049	<1	1.35	0.011	0.04	0.2	0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
1290257	Soil	26	0.45	234	0.043	<1	1.23	0.010	0.05	0.2	0.02	1.8	<0.1	<0.05	4	0.8	<0.2
1290258	Soil	26	0.47	179	0.042	<1	1.11	0.009	0.03	0.1	0.01	1.7	<0.1	<0.05	4	0.5	<0.2
1290259	Soil	26	0.45	248	0.037	<1	1.22	0.012	0.05	0.2	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1290260	Soil	27	0.45	181	0.049	1	1.32	0.010	0.04	0.2	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1290261	Soil	32	0.43	230	0.075	1	1.49	0.013	0.06	0.2	0.02	1.7	<0.1	<0.05	7	<0.5	<0.2
1290262	Soil	29	0.44	223	0.058	1	1.37	0.012	0.06	0.2	0.02	1.9	<0.1	<0.05	5	0.8	<0.2
1290263	Soil	28	0.48	405	0.041	<1	1.13	0.015	0.05	0.2	0.02	2.4	0.1	<0.05	4	0.8	<0.2
1290264	Soil	31	0.46	305	0.067	2	1.56	0.017	0.04	0.2	0.01	2.8	<0.1	<0.05	6	0.8	<0.2
1290265	Soil	31	0.45	461	0.031	1	1.38	0.010	0.06	0.2	0.04	2.8	0.2	<0.05	4	1.4	<0.2
1290266	Soil	31	0.42	778	0.041	3	1.44	0.014	0.07	0.1	0.02	2.5	0.1	<0.05	5	0.9	<0.2
1290267	Soil	34	0.39	753	0.023	3	1.45	0.010	0.11	0.2	0.07	3.1	1.3	<0.05	5	1.9	<0.2
1290268	Soil	28	0.45	444	0.019	1	1.34	0.009	0.08	0.2	0.07	3.7	0.1	<0.05	4	1.2	<0.2
1290269	Soil	18	0.26	713	0.007	2	1.02	0.006	0.10	0.1	0.01	2.1	0.2	<0.05	3	<0.5	<0.2
1290270	Soil	26	0.45	307	0.033	<1	1.29	0.010	0.05	0.2	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1290271	Soil	24	0.34	667	0.017	4	1.18	0.008	0.08	0.1	0.07	3.0	0.2	<0.05	3	2.0	<0.2
1290272	Soil	29	0.50	359	0.052	2	1.42	0.012	0.05	0.1	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
1290273	Soil	31	0.53	306	0.073	2	1.62	0.018	0.06	0.2	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
1290274	Soil	30	0.51	270	0.051	2	1.16	0.015	0.06	0.2	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
1290275	Soil	22	0.35	246	0.035	<1	1.11	0.012	0.04	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1290276	Soil	28	0.44	246	0.046	1	1.19	0.010	0.05	0.3	0.02	2.5	<0.1	<0.05	4	0.5	<0.2
1290277	Soil	27	0.42	394	0.041	2	1.36	0.011	0.05	0.2	0.01	2.1	0.1	<0.05	5	<0.5	<0.2
1290278	Soil	32	0.47	251	0.070	2	1.14	0.012	0.08	0.1	0.01	2.0	<0.1	<0.05	4	0.5	<0.2
1290279	Soil	22	0.29	440	0.029	2	0.96	0.008	0.11	0.1	0.02	2.5	0.1	<0.05	3	1.4	<0.2
1290280	Soil	21	0.26	421	0.020	3	0.92	0.008	0.16	0.1	0.04	2.7	0.1	<0.05	3	0.8	<0.2
1290281	Soil	29	0.25	1072	0.007	4	0.91	0.007	0.13	0.2	0.09	3.3	0.7	<0.05	3	5.2	<0.2
1290282	Soil	29	0.45	344	0.056	2	1.05	0.011	0.08	0.1	0.01	1.9	0.1	<0.05	3	0.7	<0.2
1290283	Soil	28	0.26	735	0.024	4	1.26	0.009	0.13	0.2	0.03	2.2	0.4	<0.05	4	2.7	<0.2



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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	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
1290284	Soil	11.7	29.3	16.2	690	1.4	90.3	5.3	146	1.85	26.4	0.8	4.1	65	4.2	8.0	0.1	602	0.31	0.064	21
1290285	Soil	5.5	11.7	10.2	277	0.3	42.1	6.9	290	2.17	7.0	0.8	4.2	24	1.8	2.3	<0.1	102	0.16	0.043	15
1290286	Soil	4.2	8.6	11.5	370	0.4	41.1	6.3	380	2.04	6.5	0.8	3.7	33	1.8	2.2	<0.1	129	0.26	0.062	15
1290287	Soil	3.2	8.3	12.4	335	0.6	46.6	5.1	214	1.75	5.8	6.2	3.4	44	1.6	2.5	0.1	169	0.24	0.092	16
1290288	Soil	2.3	13.4	12.0	569	0.9	63.1	8.9	330	2.55	7.8	1.1	4.8	35	3.5	1.5	0.1	119	0.29	0.108	15
1290289	Soil	2.6	8.4	9.6	351	0.5	32.5	7.0	559	2.01	3.6	<0.5	3.4	34	3.2	1.7	0.1	82	0.28	0.099	12
1290290	Soil	7.3	14.5	14.7	586	2.1	55.2	6.2	350	2.37	20.0	5.4	3.1	39	6.3	4.4	0.4	103	0.49	0.191	14
1290291	Soil	64.2	59.0	25.7	1375	1.4	242.6	11.5	189	3.77	124.8	10.2	3.8	49	6.6	31.1	0.4	336	0.49	0.073	10
1290292	Soil	3.5	11.8	8.2	170	0.2	33.1	7.4	210	2.42	8.5	0.7	3.4	19	1.2	1.5	0.2	52	0.23	0.058	11
1290293	Soil	2.4	13.7	7.7	144	0.4	30.6	6.9	277	2.18	7.0	2.1	3.4	25	1.0	1.3	0.2	47	0.41	0.099	13
1290294	Soil	1.4	5.7	7.4	162	0.1	25.9	7.9	317	2.58	4.2	4.1	2.5	18	1.5	0.4	0.1	51	0.23	0.059	8
1290295	Soil	1.4	10.9	7.0	136	0.3	26.4	8.4	389	2.45	5.6	3.8	3.2	22	2.0	0.4	0.1	46	0.34	0.103	10
1290296	Soil	1.1	5.3	9.0	168	0.2	21.4	7.4	351	2.13	3.0	2.8	2.6	19	1.0	0.2	0.1	42	0.29	0.033	9
1290297	Soil	1.4	9.9	7.9	95	<0.1	25.2	8.0	294	2.54	5.9	1.0	3.8	18	0.3	0.5	0.1	46	0.26	0.064	12
1290298	Soil	1.6	8.0	8.9	161	0.1	25.8	8.2	377	2.60	4.6	2.5	2.5	19	0.8	0.3	0.1	50	0.28	0.044	9
1290299	Soil	1.7	8.0	10.3	322	0.2	25.9	9.4	712	2.59	5.4	1.1	3.3	23	5.9	0.7	0.2	52	0.32	0.141	11
1290300	Soil	1.4	6.7	7.4	342	0.1	23.2	7.9	520	2.42	4.4	3.8	2.4	23	3.4	0.5	0.1	50	0.32	0.110	9
1290301	Soil	6.9	13.2	8.0	281	0.3	38.6	8.4	266	1.89	14.4	2.4	2.3	26	2.6	4.0	0.1	124	0.24	0.054	9
1290302	Soil	7.8	18.5	10.8	505	0.3	60.8	6.9	214	2.06	26.0	5.6	3.3	31	9.7	5.4	0.2	216	0.27	0.084	12
1290303	Soil	1.6	7.8	8.4	212	0.3	29.1	8.8	443	2.67	5.5	2.5	2.7	17	2.1	0.6	0.1	51	0.23	0.045	10
1290304	Soil	1.7	7.6	8.9	309	0.3	28.8	9.7	721	2.67	5.3	0.6	2.5	20	4.5	0.4	0.1	48	0.31	0.072	9
1290305	Soil	1.8	7.7	8.0	295	0.5	24.6	8.9	617	2.63	4.4	1.1	2.3	22	5.9	0.3	0.1	49	0.29	0.084	9
1290306	Soil	1.8	8.9	8.8	138	0.2	27.1	8.7	332	2.71	6.1	1.1	3.5	18	1.1	0.5	0.1	50	0.23	0.047	11
1290307	Soil	1.3	8.0	8.6	209	0.3	30.2	9.1	424	2.73	5.2	1.3	2.8	19	2.8	0.3	0.1	48	0.27	0.074	9
1290308	Soil	1.5	6.7	8.1	103	0.1	20.2	7.4	245	2.44	4.4	1.3	2.5	19	0.9	0.3	0.1	51	0.27	0.043	9
1290309	Soil	1.3	7.3	7.7	157	<0.1	21.7	7.6	362	2.60	4.4	1.2	2.4	16	3.1	0.3	0.1	49	0.19	0.080	9
1290310	Soil	5.9	24.4	17.4	427	1.5	57.1	7.9	329	2.40	17.9	3.8	3.3	66	10.1	3.2	0.1	123	0.96	0.183	19
1290311	Soil	1.1	12.9	8.2	164	0.1	33.1	9.2	415	2.71	4.8	2.6	3.8	24	0.5	0.4	0.1	50	0.34	0.053	13
1290312	Soil	1.2	9.2	8.5	113	<0.1	28.7	8.4	443	2.62	6.7	1.9	2.7	22	0.6	0.4	0.1	50	0.31	0.082	9
1290313	Soil	2.8	27.5	21.1	113	0.5	34.8	13.7	341	3.58	25.9	1.9	2.5	54	0.7	2.1	0.2	22	0.40	0.067	13

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1290284	Soil	46	0.23	1068	0.018	7	1.04	0.007	0.16	0.2	0.19	3.1	1.1	<0.05	4	9.8	<0.2
1290285	Soil	29	0.39	618	0.051	3	1.12	0.011	0.11	0.1	0.02	2.1	0.3	<0.05	4	1.6	<0.2
1290286	Soil	31	0.31	777	0.028	3	1.24	0.010	0.09	0.1	0.02	2.1	0.2	<0.05	4	1.4	<0.2
1290287	Soil	36	0.30	955	0.036	5	1.07	0.011	0.14	0.2	0.03	2.0	0.4	<0.05	3	4.1	<0.2
1290288	Soil	36	0.43	810	0.058	3	1.47	0.015	0.15	0.2	0.03	2.8	0.3	<0.05	6	2.0	<0.2
1290289	Soil	28	0.35	769	0.040	2	1.08	0.010	0.09	0.2	0.03	2.0	0.1	<0.05	4	1.4	<0.2
1290290	Soil	24	0.29	1056	0.019	5	1.00	0.006	0.16	0.3	0.47	2.6	0.3	<0.05	3	3.1	<0.2
1290291	Soil	27	0.15	888	0.006	4	0.71	0.004	0.11	0.6	1.37	4.7	0.7	<0.05	3	26.0	0.2
1290292	Soil	28	0.42	259	0.044	2	1.10	0.016	0.07	0.2	0.02	2.0	0.2	<0.05	4	1.5	<0.2
1290293	Soil	27	0.44	286	0.044	2	1.05	0.010	0.07	0.3	0.08	2.3	0.1	<0.05	4	1.4	<0.2
1290294	Soil	31	0.42	370	0.058	1	1.29	0.009	0.08	0.2	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
1290295	Soil	30	0.52	317	0.051	2	1.29	0.014	0.06	0.2	0.02	2.1	<0.1	<0.05	4	0.5	<0.2
1290296	Soil	27	0.38	326	0.065	2	1.44	0.014	0.05	0.2	0.01	1.9	<0.1	<0.05	6	<0.5	<0.2
1290297	Soil	30	0.50	242	0.052	1	1.31	0.018	0.06	0.2	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
1290298	Soil	30	0.45	379	0.049	1	1.53	0.022	0.05	0.2	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
1290299	Soil	29	0.43	477	0.041	2	1.30	0.009	0.08	0.3	0.03	2.2	0.1	<0.05	5	0.6	<0.2
1290300	Soil	29	0.41	531	0.053	2	1.12	0.009	0.09	0.2	<0.01	1.9	0.1	<0.05	4	<0.5	<0.2
1290301	Soil	29	0.31	873	0.032	1	0.88	0.006	0.06	0.2	0.05	1.5	0.2	<0.05	4	1.9	<0.2
1290302	Soil	31	0.30	892	0.035	3	1.03	0.007	0.08	0.5	0.41	2.4	0.4	<0.05	4	4.8	<0.2
1290303	Soil	32	0.47	358	0.066	2	1.47	0.013	0.06	0.2	0.01	2.2	<0.1	<0.05	5	0.8	<0.2
1290304	Soil	30	0.42	497	0.063	2	1.48	0.017	0.06	0.2	0.02	1.9	<0.1	0.06	6	0.5	<0.2
1290305	Soil	30	0.45	541	0.058	1	1.38	0.010	0.05	0.2	0.01	1.7	<0.1	<0.05	6	0.7	<0.2
1290306	Soil	32	0.49	296	0.054	1	1.46	0.012	0.05	0.2	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
1290307	Soil	31	0.45	386	0.066	1	1.65	0.014	0.05	0.2	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
1290308	Soil	29	0.45	312	0.056	<1	1.45	0.015	0.05	0.2	0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
1290309	Soil	29	0.41	358	0.056	<1	1.32	0.011	0.05	0.2	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
1290310	Soil	32	0.36	1522	0.014	3	1.13	0.008	0.10	0.3	0.26	4.5	0.3	0.08	3	3.5	<0.2
1290311	Soil	34	0.48	561	0.065	1	1.61	0.022	0.07	0.2	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
1290312	Soil	31	0.46	497	0.049	1	1.44	0.010	0.05	0.2	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
1290313	Soil	16	0.18	1935	0.005	2	0.71	0.008	0.10	0.1	0.07	2.7	<0.1	0.15	2	1.4	<0.2

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Project: KITZA  
 Report Date: December 04, 2011

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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	2	0.01	0.001	1	
1290314	Soil	3.1	11.1	12.3	166	0.3	29.0	5.9	508	2.07	6.1	2.2	2.3	24	1.3	1.5	0.1	52	0.42	0.092	13
1290315	Soil	1.2	7.5	8.1	195	0.1	25.0	8.1	822	2.34	3.5	2.6	2.4	18	1.5	0.4	0.1	47	0.26	0.107	10
1290316	Soil	1.4	9.1	9.4	118	0.1	31.4	10.2	413	3.04	6.6	1.5	3.9	16	0.6	0.5	0.1	58	0.23	0.042	13
1290317	Soil	1.5	7.1	9.1	150	0.1	25.6	7.8	357	2.40	5.1	3.1	2.3	24	0.9	0.5	0.1	49	0.41	0.078	10
1290318	Soil	4.9	17.6	12.0	156	0.1	43.7	8.1	257	2.61	14.3	2.1	4.0	18	0.6	2.4	0.2	67	0.25	0.068	16
1290319	Soil	4.4	26.5	15.5	192	0.3	48.3	8.6	486	2.72	13.9	2.4	3.4	33	1.0	2.1	0.2	57	0.72	0.076	14
1290320	Soil	5.5	51.4	16.5	165	1.3	54.7	7.9	358	2.43	17.4	5.6	2.2	135	2.2	2.8	0.2	46	5.37	0.102	11
1290321	Soil	8.3	13.9	13.5	183	0.4	50.9	6.3	216	2.29	19.6	2.3	4.6	19	0.9	2.9	0.2	78	0.17	0.019	14
1290322	Soil	3.3	11.4	10.7	301	0.4	36.5	8.0	930	2.40	4.5	3.3	2.5	29	3.0	1.1	0.2	62	0.29	0.099	10
1290323	Soil	2.6	6.9	7.9	229	0.1	26.4	7.4	423	2.32	4.9	5.5	2.7	25	1.4	0.6	0.2	50	0.27	0.034	9
1290324	Soil	5.2	6.9	9.3	215	0.1	37.4	8.8	307	2.88	7.8	2.8	3.2	26	1.1	0.9	0.2	71	0.26	0.020	10
1290325	Soil	2.6	7.9	8.8	179	0.2	29.9	8.8	388	2.74	5.3	3.5	3.2	26	1.3	0.5	0.2	58	0.29	0.048	10
1290326	Soil	1.9	8.9	5.5	67	0.1	25.0	6.9	211	2.30	4.1	2.7	2.8	29	0.3	0.5	<0.1	53	0.24	0.019	9
1290327	Soil	3.2	4.5	7.7	179	0.1	22.5	6.5	285	2.27	3.5	<0.5	2.9	24	1.0	0.8	0.1	59	0.20	0.017	10
1290328	Soil	2.9	6.8	8.4	143	0.1	24.3	6.7	240	2.49	4.2	0.7	3.2	22	0.6	0.5	0.1	55	0.18	0.017	10
1290329	Soil	8.3	28.0	11.4	281	0.8	39.2	6.8	230	1.91	13.5	3.4	2.8	88	4.2	6.2	0.2	59	0.82	0.108	14
1290330	Soil	11.6	40.6	13.4	485	1.4	70.9	7.6	197	2.01	18.8	3.3	4.8	87	5.1	9.8	0.2	79	0.66	0.121	17
1290331	Soil	10.4	24.3	11.3	314	0.9	47.0	5.3	146	1.77	15.3	2.8	4.4	73	2.5	7.7	0.2	65	0.50	0.107	17
1290332	Soil	3.4	25.9	10.0	250	0.8	38.5	7.8	233	2.10	8.6	1.8	3.7	60	4.0	3.0	0.2	51	0.77	0.073	15
1290333	Soil	2.2	12.0	9.4	129	0.2	25.4	6.3	172	2.09	7.9	1.6	4.7	25	1.7	1.3	0.2	43	0.26	0.072	14
1290334	Soil	2.3	11.0	10.8	109	0.2	22.8	7.5	225	2.45	6.8	<0.5	5.2	25	2.6	0.8	0.2	44	0.28	0.062	16
1290335	Soil	3.4	14.1	9.5	139	0.6	24.9	5.8	159	1.94	6.8	1.1	3.6	43	2.5	1.7	0.2	50	0.33	0.061	16
1290336	Soil	1.1	11.0	9.1	84	0.4	24.3	6.5	164	2.03	5.1	1.3	4.4	33	1.0	0.6	0.1	38	0.40	0.080	15
1290337	Soil	1.7	14.1	7.5	128	0.5	19.7	5.0	155	1.54	3.9	2.4	2.9	39	3.7	0.8	0.1	35	0.47	0.046	13
1290338	Soil	5.0	13.0	9.2	166	0.4	26.5	5.9	154	1.88	7.5	2.6	3.3	36	1.7	2.1	0.1	53	0.29	0.047	16
1290339	Soil	1.4	8.1	8.2	167	0.4	18.7	6.9	258	2.00	2.6	0.8	3.0	25	1.4	0.3	0.1	45	0.29	0.035	11
1290340	Soil	2.2	8.0	8.3	99	0.2	18.9	5.7	186	2.28	4.7	2.6	3.3	26	1.2	0.4	0.1	49	0.29	0.046	12
1290341	Soil	1.3	8.7	7.8	104	0.2	21.9	6.9	198	2.35	4.0	<0.5	3.2	21	0.7	0.3	0.1	47	0.25	0.049	10
1290342	Soil	1.8	10.3	9.7	79	0.2	22.7	7.1	182	2.44	5.8	2.6	4.9	20	0.6	0.5	0.2	40	0.26	0.070	15
1290343	Soil	1.9	9.3	9.1	147	0.7	25.4	7.6	180	3.09	4.9	<0.5	3.7	19	0.9	0.3	0.2	50	0.18	0.046	11

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		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	
1290314	Soil	19	0.22	552	0.015	3	0.90	0.006	0.13	0.2	0.02	1.8	0.1	<0.05	3	1.1	<0.2
1290315	Soil	29	0.35	484	0.045	2	1.24	0.009	0.10	0.2	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
1290316	Soil	37	0.49	297	0.069	2	1.65	0.019	0.10	0.2	0.01	3.0	<0.1	0.07	6	<0.5	<0.2
1290317	Soil	28	0.36	382	0.038	2	1.22	0.008	0.09	0.2	0.01	1.7	<0.1	0.08	4	<0.5	<0.2
1290318	Soil	28	0.32	362	0.028	3	1.11	0.007	0.12	0.2	0.03	2.9	0.2	0.07	3	1.8	<0.2
1290319	Soil	22	0.27	423	0.017	6	1.06	0.006	0.21	0.2	0.03	3.0	0.2	<0.05	3	1.7	<0.2
1290320	Soil	16	0.42	548	0.005	5	0.91	0.006	0.17	0.2	0.26	2.7	0.3	0.05	3	2.4	<0.2
1290321	Soil	19	0.21	697	0.015	2	0.91	0.004	0.09	0.2	0.03	3.0	0.3	<0.05	3	3.1	<0.2
1290322	Soil	23	0.28	822	0.053	2	1.19	0.016	0.08	0.2	0.01	1.9	0.2	<0.05	4	1.3	<0.2
1290323	Soil	28	0.38	381	0.047	1	1.14	0.008	0.06	0.2	<0.01	1.7	0.1	0.09	4	1.2	<0.2
1290324	Soil	34	0.45	457	0.073	1	1.53	0.013	0.06	0.3	0.01	2.1	0.2	0.07	5	1.8	<0.2
1290325	Soil	33	0.41	396	0.054	<1	1.46	0.011	0.06	0.2	0.02	2.2	0.1	0.07	6	0.7	<0.2
1290326	Soil	36	0.52	359	0.051	<1	1.38	0.011	0.03	0.1	<0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
1290327	Soil	28	0.37	467	0.041	<1	1.26	0.010	0.03	0.1	0.01	1.5	0.1	<0.05	5	<0.5	<0.2
1290328	Soil	31	0.41	371	0.041	<1	1.49	0.012	0.03	0.1	0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
1290329	Soil	20	0.28	1209	0.012	2	0.93	0.007	0.07	0.3	0.25	1.9	0.3	<0.05	3	3.9	<0.2
1290330	Soil	20	0.22	1876	0.010	3	0.82	0.008	0.10	0.3	0.37	2.4	0.4	<0.05	2	5.0	<0.2
1290331	Soil	17	0.21	1235	0.013	2	0.71	0.005	0.09	0.3	0.27	1.8	0.4	0.06	2	5.6	<0.2
1290332	Soil	27	0.41	1019	0.022	2	1.30	0.010	0.06	0.3	0.18	2.4	0.2	<0.05	4	1.5	<0.2
1290333	Soil	25	0.43	411	0.035	<1	1.23	0.009	0.05	0.2	0.04	1.8	0.1	<0.05	4	0.7	<0.2
1290334	Soil	27	0.45	366	0.036	<1	1.33	0.008	0.05	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1290335	Soil	24	0.35	836	0.026	<1	1.32	0.008	0.04	0.2	0.06	1.8	0.1	<0.05	5	1.4	<0.2
1290336	Soil	27	0.48	677	0.026	<1	1.33	0.010	0.04	0.3	0.04	2.0	0.1	<0.05	4	0.5	<0.2
1290337	Soil	19	0.31	677	0.025	3	1.01	0.008	0.04	0.2	0.04	1.5	<0.1	<0.05	4	0.6	<0.2
1290338	Soil	22	0.27	586	0.022	<1	1.15	0.007	0.05	0.3	0.06	1.5	0.1	<0.05	4	1.3	<0.2
1290339	Soil	27	0.36	433	0.043	<1	1.43	0.010	0.04	0.2	0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
1290340	Soil	27	0.45	293	0.042	<1	1.28	0.008	0.05	0.2	<0.01	1.6	<0.1	<0.05	6	<0.5	<0.2
1290341	Soil	32	0.53	249	0.049	<1	1.48	0.009	0.04	0.2	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
1290342	Soil	28	0.49	263	0.035	<1	1.43	0.011	0.05	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1290343	Soil	32	0.39	234	0.070	<1	1.84	0.011	0.04	0.2	0.03	2.0	<0.1	<0.05	7	<0.5	<0.2

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Project: KITZA  
 Report Date: December 04, 2011

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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	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
1290344	Soil	1.5	11.1	7.1	171	0.5	20.3	5.5	180	1.64	2.9	3.0	3.3	25	1.6	0.7	0.1	37	0.30	0.056	11
1290345	Soil	4.2	7.4	8.4	259	0.2	19.3	6.8	360	2.03	4.6	<0.5	2.8	30	5.0	1.2	0.1	49	0.30	0.040	12
1290346	Soil	6.7	65.0	9.5	258	3.8	26.4	5.1	386	1.39	8.4	<0.5	1.1	59	30.1	4.8	0.1	47	0.48	0.044	9
1290347	Soil	1.6	8.7	7.0	111	0.7	11.9	3.4	131	1.30	2.7	<0.5	2.7	26	2.6	0.4	0.1	32	0.30	0.039	11
1290348	Soil	3.0	22.4	9.1	163	0.8	24.1	5.3	170	1.71	4.2	0.6	3.8	31	3.5	1.0	0.1	42	0.36	0.058	13
1290349	Soil	1.9	10.7	9.3	111	0.4	23.7	6.5	182	2.15	4.5	<0.5	4.8	25	0.9	0.6	0.1	42	0.33	0.076	15
1290350	Soil	2.4	9.3	10.2	172	0.3	20.9	8.5	256	2.14	4.1	2.3	4.4	24	1.9	0.4	0.1	48	0.30	0.062	15
1290351	Soil	2.4	7.3	9.0	85	0.3	14.5	5.3	166	1.92	3.2	<0.5	3.4	22	0.9	0.3	0.1	46	0.27	0.039	12
1290352	Soil	2.6	12.7	8.8	117	0.4	18.9	5.6	170	1.89	3.9	1.3	3.9	24	1.4	0.6	0.2	43	0.28	0.056	13
1290353	Soil	2.5	14.9	9.7	158	0.5	22.8	6.4	192	2.19	4.1	2.7	4.3	23	1.3	0.7	0.1	44	0.27	0.063	14
1290354	Soil	5.4	35.2	10.7	172	0.7	24.7	6.2	163	1.79	6.1	2.2	3.6	37	3.5	2.3	0.2	49	0.24	0.059	14
1290355	Soil	25.1	36.3	16.5	198	1.1	33.9	3.4	81	1.80	20.3	2.6	4.1	183	1.8	7.8	0.2	79	0.14	0.097	17
1290356	Soil	11.6	12.4	11.7	134	0.7	17.2	3.9	99	2.04	7.0	<0.5	2.9	71	1.9	2.4	0.2	52	0.09	0.071	11
1290357	Soil	8.0	13.0	11.2	148	0.3	23.1	4.8	153	1.79	10.2	1.0	4.8	31	1.0	2.8	0.1	43	0.14	0.089	20
1290358	Soil	3.0	8.3	9.7	141	0.8	16.3	7.1	242	2.23	4.8	1.1	4.1	21	2.1	0.5	0.2	45	0.22	0.058	13
1290359	Soil	3.6	6.7	10.4	124	0.2	15.7	6.1	194	2.34	4.1	<0.5	3.8	19	1.4	0.6	0.2	51	0.22	0.044	13
1290360	Soil	1.5	24.7	9.6	100	0.7	16.2	4.6	142	1.25	1.5	1.2	3.4	37	2.8	0.8	0.1	30	0.46	0.057	14
1290361	Soil	3.1	15.0	9.3	102	0.3	24.5	8.2	266	2.34	5.0	1.3	4.9	24	0.4	0.9	0.1	48	0.29	0.059	16
1290362	Soil	4.4	8.9	8.8	63	0.3	16.7	5.8	166	2.03	5.5	2.7	2.8	18	0.5	1.6	0.2	41	0.19	0.065	14
1290363	Soil	2.6	12.6	8.7	61	0.7	19.8	6.2	165	1.91	4.1	3.6	4.5	23	0.4	0.7	0.2	41	0.26	0.057	17
1290364	Soil	6.2	15.3	11.9	66	1.3	17.2	3.8	129	1.20	4.6	3.5	4.7	34	0.9	1.9	0.2	31	0.23	0.050	16
1290365	Soil	3.7	12.5	12.1	98	1.4	23.8	7.3	238	2.40	6.3	2.3	4.4	20	0.6	1.1	0.2	40	0.17	0.052	15
1290366	Soil	6.5	9.9	8.1	58	0.5	12.7	2.7	73	1.25	5.1	1.0	2.4	22	0.5	1.5	0.1	37	0.09	0.038	18
1290367	Soil	5.6	14.3	10.2	78	0.6	22.7	5.3	124	1.89	6.8	2.3	4.9	25	0.5	1.7	0.1	40	0.20	0.074	20
1290368	Soil	9.8	21.6	12.9	59	0.9	24.1	6.4	143	1.92	7.1	2.4	6.6	45	0.3	3.5	0.2	51	0.21	0.101	22
1290369	Soil	3.4	5.6	8.9	38	0.9	11.0	3.6	104	1.81	3.9	2.7	3.3	14	0.3	0.7	0.2	44	0.13	0.037	14
1290370	Soil	8.4	16.9	13.5	92	0.5	22.6	4.9	155	1.92	10.0	1.1	5.1	38	0.3	2.5	0.2	44	0.09	0.086	19
1290371	Soil	3.5	10.6	9.3	65	0.8	19.6	6.6	167	2.04	6.1	1.9	4.0	20	0.4	0.8	0.2	42	0.21	0.063	17
1290372	Soil	4.4	10.5	15.6	87	0.3	17.9	7.2	214	2.34	9.4	1.4	4.1	18	0.7	0.8	0.3	49	0.19	0.040	15
1290373	Soil	3.6	17.8	15.7	190	0.3	40.3	8.1	194	2.19	9.5	1.1	3.9	25	3.1	2.2	0.2	72	0.29	0.094	17

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Project: KITZA  
 Report Date: December 04, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1290344	Soil	23	0.42	472	0.040	<1	1.17	0.009	0.04	0.2	0.03	1.6	<0.1	<0.05	5	0.6	<0.2
1290345	Soil	23	0.29	431	0.028	<1	0.98	0.007	0.06	0.2	0.03	1.5	<0.1	<0.05	4	0.7	<0.2
1290346	Soil	15	0.08	639	0.025	<1	0.41	0.007	0.05	0.2	0.08	0.8	0.3	0.06	2	2.4	<0.2
1290347	Soil	17	0.28	385	0.030	<1	0.87	0.007	0.03	0.2	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1290348	Soil	23	0.38	753	0.026	<1	1.16	0.007	0.04	0.2	0.04	1.6	0.1	<0.05	4	0.7	<0.2
1290349	Soil	30	0.49	404	0.037	<1	1.42	0.008	0.05	0.2	0.02	1.8	<0.1	<0.05	5	0.7	<0.2
1290350	Soil	27	0.43	422	0.036	<1	1.46	0.008	0.04	0.2	0.02	1.9	0.1	<0.05	5	0.5	<0.2
1290351	Soil	23	0.37	241	0.037	<1	1.24	0.008	0.03	0.2	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1290352	Soil	25	0.44	482	0.039	<1	1.23	0.008	0.04	0.2	0.05	1.7	<0.1	<0.05	5	0.6	<0.2
1290353	Soil	28	0.44	551	0.036	<1	1.41	0.008	0.04	0.2	0.09	2.1	<0.1	<0.05	5	0.6	<0.2
1290354	Soil	20	0.25	849	0.016	<1	0.99	0.007	0.06	0.2	0.09	1.5	0.1	<0.05	4	1.1	<0.2
1290355	Soil	18	0.13	898	0.009	<1	0.69	0.004	0.10	0.3	0.09	1.2	0.8	0.09	3	6.1	<0.2
1290356	Soil	21	0.16	320	0.024	<1	0.81	0.006	0.04	0.2	0.02	1.1	0.3	<0.05	4	2.8	<0.2
1290357	Soil	15	0.17	327	0.011	<1	0.70	0.004	0.07	0.2	0.01	1.3	0.2	<0.05	3	1.0	<0.2
1290358	Soil	25	0.36	355	0.041	<1	1.19	0.008	0.04	0.2	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
1290359	Soil	25	0.35	300	0.040	<1	1.30	0.007	0.04	0.2	<0.01	1.5	<0.1	<0.05	6	<0.5	<0.2
1290360	Soil	20	0.27	1982	0.019	<1	1.13	0.008	0.04	0.1	0.22	2.0	<0.1	<0.05	4	0.9	<0.2
1290361	Soil	29	0.46	624	0.046	<1	1.45	0.011	0.04	0.2	0.04	2.4	<0.1	<0.05	5	0.6	<0.2
1290362	Soil	23	0.35	217	0.027	2	1.10	0.007	0.04	0.2	0.05	1.5	0.1	<0.05	4	0.6	<0.2
1290363	Soil	25	0.43	707	0.034	1	1.33	0.009	0.04	0.2	0.06	2.1	0.1	<0.05	5	0.6	<0.2
1290364	Soil	16	0.19	1223	0.014	2	0.73	0.005	0.06	0.2	0.17	1.3	0.2	<0.05	3	10.1	<0.2
1290365	Soil	26	0.37	568	0.031	2	1.21	0.008	0.05	0.2	0.11	1.6	0.1	<0.05	4	0.7	<0.2
1290366	Soil	14	0.16	417	0.024	2	0.66	0.005	0.04	0.2	0.03	0.9	<0.1	<0.05	4	1.5	<0.2
1290367	Soil	22	0.33	778	0.023	2	0.98	0.006	0.06	0.3	0.05	1.6	0.1	<0.05	3	2.3	<0.2
1290368	Soil	27	0.37	1082	0.028	2	1.09	0.007	0.06	0.3	0.14	2.1	0.1	<0.05	3	2.7	<0.2
1290369	Soil	20	0.28	301	0.044	<1	1.01	0.007	0.04	0.2	0.04	1.3	<0.1	<0.05	5	<0.5	<0.2
1290370	Soil	19	0.20	741	0.010	2	0.88	0.004	0.06	0.2	0.08	1.3	0.2	<0.05	3	2.8	<0.2
1290371	Soil	26	0.36	309	0.036	1	1.12	0.008	0.05	0.2	0.04	1.5	0.1	<0.05	4	0.8	<0.2
1290372	Soil	28	0.31	349	0.038	<1	1.14	0.007	0.04	0.2	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1290373	Soil	23	0.24	459	0.007	1	1.19	0.005	0.05	0.2	0.07	2.5	0.2	0.06	3	1.2	<0.2

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Project: KITZA  
 Report Date: December 04, 2011

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Method	Analyte	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	2	0.01	0.001	1	
1290374	Soil	2.0	7.0	10.8	107	<0.1	20.1	5.5	145	1.76	4.8	1.1	3.3	16	0.7	0.8	0.1	52	0.19	0.030	15
1290375	Soil	3.2	11.1	9.3	139	0.6	22.9	8.6	390	1.92	6.5	4.0	3.9	31	2.3	1.4	0.1	64	0.32	0.105	19
1290376	Soil	1.0	7.4	8.5	113	0.4	21.8	7.1	167	2.31	3.2	0.9	3.0	16	1.0	0.3	0.1	46	0.17	0.079	11
1290377	Soil	1.3	12.0	8.7	114	0.3	28.1	9.5	233	2.71	3.9	<0.5	4.0	18	0.3	0.2	0.1	48	0.18	0.075	16
1290378	Soil	1.0	12.4	7.9	80	0.1	27.6	8.9	217	2.51	4.7	2.9	4.0	18	0.5	0.4	0.1	45	0.19	0.058	14
1290379	Soil	1.1	11.0	8.5	135	0.2	24.7	7.5	286	2.17	3.9	1.6	3.7	23	1.4	0.4	0.2	43	0.31	0.067	15
1290380	Soil	1.9	12.3	7.5	113	0.4	25.2	7.6	266	2.13	5.5	5.3	4.6	29	1.2	0.7	0.2	44	0.36	0.093	18
1290381	Soil	3.2	15.5	7.5	135	0.6	23.8	6.9	248	1.74	5.0	2.1	1.9	29	2.6	1.4	0.2	52	0.28	0.092	16
1290382	Soil	3.0	30.5	9.4	153	0.7	24.9	5.1	136	1.60	4.8	2.2	2.4	25	3.9	1.1	0.2	56	0.22	0.058	16
1290383	Soil	2.0	16.5	10.0	85	0.3	29.7	8.5	281	2.20	7.4	2.3	6.3	25	1.2	1.0	0.2	43	0.33	0.096	23
1290384	Soil	1.2	11.8	8.9	83	0.3	23.5	8.4	230	2.25	5.0	2.2	4.4	22	0.7	0.4	0.2	41	0.30	0.073	18
1290385	Soil	2.8	18.2	10.3	99	0.2	31.2	8.2	226	2.14	7.4	1.5	5.2	21	0.8	1.3	0.2	50	0.26	0.081	19
1290386	Soil	2.0	8.9	7.8	72	0.3	19.1	6.3	183	2.05	3.7	0.8	3.1	20	0.8	0.3	0.1	45	0.25	0.053	12
1290387	Soil	2.0	9.5	8.6	130	0.3	21.4	6.5	222	1.82	3.5	2.8	3.1	26	1.8	0.6	0.1	50	0.27	0.040	12
1290388	Soil	1.9	10.7	6.9	94	0.9	26.0	7.6	194	2.35	3.8	1.5	3.4	21	1.0	0.2	<0.1	42	0.28	0.075	12
1290389	Soil	1.8	9.1	8.2	108	0.3	23.0	6.9	185	2.22	4.3	1.8	3.5	21	0.6	0.4	0.1	42	0.28	0.070	13
1290390	Soil	1.6	8.7	8.9	100	0.2	22.5	6.2	150	2.01	3.6	1.2	3.1	20	0.8	0.3	0.1	43	0.26	0.058	12
1290391	Soil	1.1	7.4	7.7	77	0.4	18.4	5.3	129	1.66	3.1	6.3	3.1	21	0.8	0.2	0.1	37	0.28	0.058	13
1290392	Soil	1.3	12.1	7.8	132	0.4	23.2	7.5	227	2.01	3.4	1.0	3.5	26	1.3	0.3	0.1	41	0.35	0.056	14
1290393	Soil	1.1	8.6	7.1	128	0.4	20.1	6.3	180	1.69	2.5	1.7	2.3	24	1.5	0.2	0.1	40	0.34	0.051	12



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Project: KITZA  
 Report Date: December 04, 2011

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# CERTIFICATE OF ANALYSIS

WHI11001766.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		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	
1290374	Soil	21	0.25	379	0.019	1	1.14	0.006	0.04	0.2	0.01	1.5	0.1	<0.05	4	<0.5	<0.2
1290375	Soil	25	0.37	431	0.035	2	1.03	0.010	0.06	0.3	0.04	1.8	0.1	<0.05	4	<0.5	<0.2
1290376	Soil	29	0.38	249	0.042	<1	1.55	0.009	0.03	0.2	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
1290377	Soil	34	0.45	227	0.068	<1	1.91	0.011	0.04	0.2	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
1290378	Soil	33	0.48	190	0.057	<1	1.65	0.010	0.04	0.2	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
1290379	Soil	29	0.47	361	0.047	<1	1.51	0.011	0.05	0.2	0.04	2.1	<0.1	<0.05	5	<0.5	<0.2
1290380	Soil	28	0.48	371	0.044	2	1.22	0.012	0.05	0.2	0.05	2.1	0.2	<0.05	4	0.6	<0.2
1290381	Soil	25	0.38	665	0.025	1	1.10	0.010	0.06	0.2	0.09	1.7	0.2	<0.05	4	1.3	<0.2
1290382	Soil	22	0.31	868	0.025	1	1.04	0.008	0.04	0.2	0.14	1.7	0.2	<0.05	4	1.0	<0.2
1290383	Soil	29	0.48	326	0.041	1	0.97	0.009	0.05	0.3	0.06	2.1	0.1	<0.05	3	0.5	<0.2
1290384	Soil	28	0.47	301	0.036	<1	1.32	0.009	0.04	0.2	0.02	2.0	<0.1	<0.05	4	0.5	<0.2
1290385	Soil	29	0.42	247	0.026	1	1.13	0.007	0.05	0.3	0.04	1.8	0.1	<0.05	3	0.6	<0.2
1290386	Soil	27	0.41	178	0.046	<1	1.16	0.009	0.03	0.2	<0.01	1.7	<0.1	<0.05	5	0.6	<0.2
1290387	Soil	27	0.35	472	0.026	<1	1.28	0.008	0.03	0.2	0.03	1.8	<0.1	<0.05	5	0.5	<0.2
1290388	Soil	30	0.48	202	0.062	<1	1.36	0.010	0.04	0.2	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1290389	Soil	28	0.45	191	0.048	<1	1.24	0.009	0.05	0.2	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1290390	Soil	27	0.43	203	0.054	<1	1.22	0.009	0.05	0.2	0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
1290391	Soil	24	0.40	180	0.047	1	1.09	0.009	0.04	0.2	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
1290392	Soil	28	0.43	422	0.051	<1	1.40	0.011	0.04	0.2	0.04	2.1	<0.1	<0.05	5	<0.5	<0.2
1290393	Soil	26	0.41	396	0.049	1	1.29	0.011	0.04	0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI11001766.1

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	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
Pulp Duplicates																					
1290011	Soil	1.4	7.3	9.5	115	0.2	28.7	8.5	373	2.82	3.3	1.3	3.0	21	0.5	0.3	0.2	52	0.21	0.055	10
REP 1290011	QC	1.4	7.0	9.8	117	0.2	29.2	8.6	367	2.79	3.4	1.0	3.0	22	0.5	0.3	0.1	51	0.21	0.058	10
1290028	Soil	0.9	8.9	7.2	71	0.1	27.4	8.2	344	2.37	3.9	1.3	3.0	22	0.2	0.3	0.1	43	0.30	0.049	9
REP 1290028	QC	0.9	9.5	7.2	74	0.1	28.2	8.3	353	2.40	4.0	7.7	3.1	23	0.2	0.4	0.1	44	0.30	0.051	9
1290052	Soil	1.0	7.7	6.5	74	0.1	24.2	7.7	446	2.38	3.0	1.3	2.9	14	0.3	0.3	<0.1	42	0.18	0.021	10
REP 1290052	QC	1.1	7.9	6.8	75	0.1	24.9	7.8	452	2.37	3.6	1.4	3.0	15	0.3	0.3	0.1	42	0.19	0.022	10
1290067	Soil	0.8	8.9	6.6	48	<0.1	24.4	7.8	218	2.43	5.4	2.5	3.2	18	<0.1	0.4	0.1	44	0.23	0.029	9
REP 1290067	QC	0.8	8.8	6.6	47	<0.1	23.9	7.5	218	2.40	5.0	1.9	3.2	17	0.1	0.4	0.1	44	0.21	0.028	9
1290077	Soil	1.1	11.1	8.1	55	<0.1	21.5	7.1	229	2.03	6.0	1.6	3.6	23	<0.1	0.6	0.1	40	0.28	0.057	11
REP 1290077	QC	1.1	10.6	8.3	54	<0.1	21.8	7.0	232	2.00	5.9	3.6	3.8	22	<0.1	0.6	0.1	40	0.27	0.057	11
1290095	Soil	1.7	9.3	8.7	61	0.1	21.7	7.0	214	2.08	5.3	<0.5	3.8	27	0.5	0.4	0.1	41	0.34	0.069	13
REP 1290095	QC	1.5	9.3	8.5	60	0.2	20.8	6.9	217	2.06	5.0	3.1	3.5	26	0.5	0.4	0.1	41	0.33	0.068	12
1290112	Soil	2.3	12.3	7.9	64	0.2	27.4	7.9	190	2.25	5.6	2.2	4.0	23	0.3	0.8	0.1	46	0.28	0.064	12
REP 1290112	QC	2.4	13.0	8.1	65	0.2	27.4	8.2	192	2.33	5.9	2.0	4.0	23	0.3	0.8	0.1	46	0.28	0.067	13
1290137	Soil	4.2	21.7	11.9	130	0.7	29.5	6.0	103	2.01	6.3	5.0	3.3	23	0.5	1.1	0.1	64	0.33	0.028	12
REP 1290137	QC	4.1	21.6	12.4	128	0.8	30.7	6.1	99	2.01	6.2	2.9	3.5	24	0.4	1.2	0.1	60	0.32	0.029	12
1290151	Soil	1.0	12.8	9.2	81	0.2	30.5	9.9	303	2.79	5.5	1.2	5.3	26	0.2	0.5	0.2	51	0.36	0.047	17
REP 1290151	QC	1.1	13.2	9.4	82	0.2	31.6	9.8	307	2.79	5.5	1.0	5.5	28	0.2	0.5	0.1	52	0.36	0.049	18
1290175	Soil	2.7	21.1	15.4	231	0.1	28.4	5.1	103	1.60	6.3	1.8	3.3	39	1.3	1.8	0.1	123	0.41	0.057	20
REP 1290175	QC	2.6	19.7	14.3	222	<0.1	27.1	5.0	97	1.54	6.3	2.8	3.1	37	1.3	1.7	0.1	114	0.39	0.053	18
1290266	Soil	1.7	14.6	10.5	505	0.7	42.9	9.0	722	2.25	3.5	1.2	3.8	43	9.0	0.9	0.1	77	0.40	0.078	13
REP 1290266	QC	1.8	14.8	10.2	531	0.6	43.7	8.8	714	2.23	4.1	2.1	3.9	44	8.5	0.9	0.1	81	0.42	0.080	14
1290280	Soil	3.3	17.4	15.3	182	0.2	35.0	6.8	339	2.12	9.7	2.8	5.4	22	0.9	2.2	0.1	53	0.16	0.045	18
REP 1290280	QC	3.8	17.1	15.8	184	0.2	35.1	6.8	345	2.22	10.1	1.7	5.7	24	0.8	2.4	0.1	57	0.17	0.047	20
1290293	Soil	2.4	13.7	7.7	144	0.4	30.6	6.9	277	2.18	7.0	2.1	3.4	25	1.0	1.3	0.2	47	0.41	0.099	13
REP 1290293	QC	2.2	13.9	7.9	144	0.4	31.2	7.0	273	2.17	6.6	2.6	3.3	24	1.0	1.3	0.2	47	0.38	0.100	12
1290310	Soil	5.9	24.4	17.4	427	1.5	57.1	7.9	329	2.40	17.9	3.8	3.3	66	10.1	3.2	0.1	123	0.96	0.183	19
REP 1290310	QC	5.7	23.7	17.1	431	1.5	55.9	7.8	327	2.42	18.2	5.8	3.5	64	10.0	3.4	0.2	131	0.96	0.186	20

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Project: KITZA  
 Report Date: December 04, 2011

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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
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
1290011	Soil	32	0.38	426	0.063	<1	1.54	0.011	0.05	0.2	0.01	1.7	<0.1	<0.05	7	<0.5	<0.2
REP 1290011	QC	30	0.38	418	0.065	<1	1.54	0.013	0.06	0.2	<0.01	1.8	<0.1	<0.05	7	0.7	<0.2
1290028	Soil	30	0.44	407	0.060	<1	1.31	0.011	0.07	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
REP 1290028	QC	30	0.44	427	0.058	2	1.30	0.011	0.06	0.2	<0.01	1.9	<0.1	<0.05	4	0.7	<0.2
1290052	Soil	28	0.35	248	0.052	1	1.16	0.008	0.06	0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
REP 1290052	QC	28	0.36	260	0.057	1	1.25	0.008	0.06	0.2	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
1290067	Soil	31	0.44	251	0.059	<1	1.13	0.009	0.09	0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
REP 1290067	QC	31	0.45	245	0.058	<1	1.12	0.010	0.08	0.2	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1290077	Soil	24	0.50	235	0.036	1	1.05	0.010	0.05	0.1	0.01	1.7	<0.1	0.06	3	<0.5	<0.2
REP 1290077	QC	24	0.51	230	0.034	2	1.07	0.010	0.05	0.2	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1290095	Soil	26	0.56	436	0.038	2	1.21	0.011	0.05	0.2	0.01	1.6	<0.1	0.05	4	<0.5	<0.2
REP 1290095	QC	25	0.53	429	0.036	1	1.16	0.011	0.04	0.2	0.02	1.5	<0.1	<0.05	4	0.8	<0.2
1290112	Soil	30	0.48	442	0.036	<1	1.35	0.009	0.04	0.2	0.03	1.9	<0.1	<0.05	4	0.8	<0.2
REP 1290112	QC	31	0.48	471	0.039	<1	1.36	0.011	0.05	0.2	0.03	1.9	<0.1	<0.05	4	0.6	<0.2
1290137	Soil	24	0.66	422	0.019	<1	1.44	0.006	0.13	0.1	0.12	2.3	0.2	<0.05	4	0.6	<0.2
REP 1290137	QC	23	0.68	419	0.015	2	1.42	0.005	0.12	<0.1	0.12	2.3	0.2	<0.05	4	0.9	<0.2
1290151	Soil	36	0.56	382	0.063	2	1.48	0.013	0.05	0.2	0.03	3.0	<0.1	<0.05	5	0.5	<0.2
REP 1290151	QC	37	0.58	393	0.067	2	1.56	0.015	0.06	0.2	0.03	3.1	<0.1	<0.05	5	0.7	<0.2
1290175	Soil	23	0.24	910	0.014	2	0.87	0.008	0.10	0.2	0.05	1.8	0.2	<0.05	3	0.7	<0.2
REP 1290175	QC	23	0.23	855	0.011	4	0.80	0.007	0.09	0.2	0.05	1.5	0.2	<0.05	3	1.2	<0.2
1290266	Soil	31	0.42	778	0.041	3	1.44	0.014	0.07	0.1	0.02	2.5	0.1	<0.05	5	0.9	<0.2
REP 1290266	QC	31	0.43	781	0.049	3	1.50	0.016	0.07	0.2	0.02	2.8	0.2	<0.05	5	0.9	<0.2
1290280	Soil	21	0.26	421	0.020	3	0.92	0.008	0.16	0.1	0.04	2.7	0.1	<0.05	3	0.8	<0.2
REP 1290280	QC	23	0.27	440	0.024	4	1.00	0.010	0.18	0.2	0.04	2.9	0.1	<0.05	3	1.2	<0.2
1290293	Soil	27	0.44	286	0.044	2	1.05	0.010	0.07	0.3	0.08	2.3	0.1	<0.05	4	1.4	<0.2
REP 1290293	QC	26	0.44	279	0.042	2	1.04	0.010	0.07	0.3	0.09	2.1	0.1	<0.05	4	1.1	<0.2
1290310	Soil	32	0.36	1522	0.014	3	1.13	0.008	0.10	0.3	0.26	4.5	0.3	0.08	3	3.5	<0.2
REP 1290310	QC	32	0.36	1606	0.020	4	1.12	0.008	0.10	0.3	0.24	4.8	0.3	0.10	3	4.3	<0.2

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QUALITY CONTROL REPORT

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		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001	1DX15 La ppm 1
1290330	Soil	11.6	40.6	13.4	485	1.4	70.9	7.6	197	2.01	18.8	3.3	4.8	87	5.1	9.8	0.2	79	0.66	0.121	17
REP 1290330	QC	11.6	38.9	13.6	480	1.5	70.4	7.5	196	2.02	19.3	0.9	4.9	87	5.0	10.5	0.2	84	0.65	0.126	17
1290350	Soil	2.4	9.3	10.2	172	0.3	20.9	8.5	256	2.14	4.1	2.3	4.4	24	1.9	0.4	0.1	48	0.30	0.062	15
REP 1290350	QC	2.3	9.0	10.3	172	0.3	20.6	8.5	247	2.10	3.9	1.1	4.2	23	1.7	0.4	0.2	45	0.29	0.060	14
1290370	Soil	8.4	16.9	13.5	92	0.5	22.6	4.9	155	1.92	10.0	1.1	5.1	38	0.3	2.5	0.2	44	0.09	0.086	19
REP 1290370	QC	8.3	17.0	13.4	91	0.6	22.7	4.9	154	1.86	9.5	2.0	5.1	38	0.4	2.5	0.2	45	0.09	0.085	19
1290390	Soil	1.6	8.7	8.9	100	0.2	22.5	6.2	150	2.01	3.6	1.2	3.1	20	0.8	0.3	0.1	43	0.26	0.058	12
REP 1290390	QC	1.6	8.5	8.8	97	0.2	22.1	6.1	148	1.95	3.6	3.1	3.2	20	0.7	0.3	0.1	43	0.27	0.057	13
Reference Materials																					
STD DS8	Standard	14.0	108.9	127.0	307	1.9	38.6	7.7	607	2.41	24.5	103.1	6.7	72	2.4	6.0	6.5	43	0.67	0.079	14
STD DS8	Standard	12.4	103.2	119.8	296	1.8	36.5	7.2	578	2.43	25.8	107.7	6.3	61	2.3	5.0	5.9	41	0.66	0.074	14
STD DS8	Standard	14.2	116.4	131.7	324	1.9	39.6	7.9	652	2.57	27.1	108.4	8.1	74	2.5	5.8	7.4	45	0.74	0.079	18
STD DS8	Standard	13.5	109.6	111.0	290	1.6	37.6	7.7	570	2.31	25.2	104.3	6.6	64	2.1	5.1	6.2	43	0.66	0.078	16
STD DS8	Standard	13.8	106.0	119.7	294	1.7	36.3	7.4	596	2.38	25.8	123.6	7.1	65	2.2	5.2	6.1	41	0.67	0.077	17
STD DS8	Standard	13.0	105.6	133.3	294	1.8	36.1	7.0	582	2.29	23.6	102.5	7.9	80	2.4	5.8	7.3	40	0.69	0.072	18
STD DS8	Standard	13.6	115.8	123.2	329	1.9	38.5	7.6	665	2.59	30.6	125.1	7.8	76	2.6	6.4	7.6	41	0.71	0.086	16
STD DS8	Standard	13.6	101.9	122.1	296	1.6	35.5	6.7	596	2.35	24.0	110.3	6.6	77	2.1	4.9	6.1	40	0.69	0.071	17
STD DS8	Standard	12.2	101.0	124.0	290	1.7	34.4	7.0	577	2.27	25.1	112.5	6.4	76	2.1	5.8	7.0	43	0.63	0.073	14
STD DS8	Standard	13.5	119.5	138.0	327	1.8	41.9	8.0	667	2.69	27.0	119.3	6.6	67	2.4	5.5	6.6	48	0.73	0.084	14
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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
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: KITZA  
 Report Date: December 04, 2011

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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	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
1290330	Soil	20	0.22	1876	0.010	3	0.82	0.008	0.10	0.3	0.37	2.4	0.4	<0.05	2	5.0	<0.2
REP 1290330	QC	20	0.22	1979	0.010	5	0.84	0.005	0.10	0.3	0.38	2.4	0.4	<0.05	3	5.4	<0.2
1290350	Soil	27	0.43	422	0.036	<1	1.46	0.008	0.04	0.2	0.02	1.9	0.1	<0.05	5	0.5	<0.2
REP 1290350	QC	26	0.42	422	0.032	<1	1.48	0.008	0.03	0.2	0.02	1.8	0.1	<0.05	6	0.5	<0.2
1290370	Soil	19	0.20	741	0.010	2	0.88	0.004	0.06	0.2	0.08	1.3	0.2	<0.05	3	2.8	<0.2
REP 1290370	QC	19	0.20	733	0.009	1	0.88	0.005	0.06	0.2	0.09	1.3	0.2	<0.05	3	2.6	<0.2
1290390	Soil	27	0.43	203	0.054	<1	1.22	0.009	0.05	0.2	0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
REP 1290390	QC	26	0.41	201	0.057	1	1.22	0.010	0.05	0.2	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	118	0.58	280	0.120	4	0.91	0.099	0.41	3.0	0.18	2.4	5.3	0.13	4	5.6	4.9
STD DS8	Standard	115	0.58	258	0.104	2	0.84	0.082	0.39	2.8	0.19	2.1	5.4	0.16	5	4.3	4.5
STD DS8	Standard	127	0.63	289	0.129	3	0.99	0.108	0.43	2.9	0.20	2.8	5.4	0.15	5	5.3	5.2
STD DS8	Standard	118	0.61	268	0.122	1	0.97	0.113	0.42	2.6	0.17	2.2	4.9	0.16	5	4.9	4.7
STD DS8	Standard	114	0.60	274	0.113	2	0.91	0.092	0.40	2.7	0.18	2.2	5.3	0.16	5	4.5	5.0
STD DS8	Standard	111	0.58	268	0.117	2	0.92	0.098	0.39	2.8	0.19	3.0	5.2	0.12	5	4.9	4.7
STD DS8	Standard	122	0.63	312	0.117	2	0.98	0.109	0.45	3.1	0.20	2.6	5.9	0.17	5	5.4	5.6
STD DS8	Standard	114	0.59	271	0.123	3	0.95	0.108	0.45	2.8	0.20	3.8	5.1	0.11	5	6.5	5.0
STD DS8	Standard	111	0.70	264	0.110	3	0.94	0.104	0.40	2.7	0.20	2.1	5.1	0.17	5	5.3	4.9
STD DS8	Standard	134	0.66	284	0.115	2	1.03	0.127	0.44	3.1	0.19	3.2	5.8	0.20	5	5.2	5.6
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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
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

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 West Kelowna BC V4T 2N6 Canada

**Project:** KITZA  
**Report Date:** December 04, 2011

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QUALITY CONTROL REPORT

WHI11001766.1

		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	<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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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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





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Submitted By: Terry
Receiving Lab: Canada-Whitehorse
Received: October 18, 2011
Report Date: November 08, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11001767.1

CLIENT JOB INFORMATION

Project: KITZA
Shipment ID:
P.O. Number
Number of Samples: 42

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include S230, RJSV, and 1DX2.

ADDITIONAL COMMENTS



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Project: KITZA  
 Report Date: November 08, 2011

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CERTIFICATE OF ANALYSIS

WHI11001767.1

Method Analyte	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	%	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	
1290394	Soil	1.6	17.0	8.2	136	1.3	27.4	5.8	157	1.70	4.6	2.4	2.0	30	0.9	1.7	0.2	35	0.35	0.068	11
1290395	Soil	1.4	13.0	7.9	165	0.5	22.2	6.8	252	1.74	3.1	0.7	2.0	27	3.4	0.9	0.1	39	0.32	0.067	11
1290396	Soil	1.1	10.3	9.1	92	0.6	25.8	6.5	163	1.94	4.3	1.3	3.5	21	0.8	0.8	0.2	29	0.30	0.085	11
1290397	Soil	1.2	8.9	7.0	105	0.5	20.5	6.6	217	1.88	3.0	0.7	2.4	20	1.2	0.3	0.1	33	0.27	0.063	10
1290398	Soil	1.1	9.5	7.7	77	0.4	19.8	6.3	229	1.81	3.2	1.1	2.4	22	0.8	0.4	0.1	36	0.30	0.057	9
1290399	Soil	1.0	8.8	7.0	102	0.3	20.2	6.3	217	1.74	2.5	2.4	1.5	23	1.7	0.3	0.1	31	0.29	0.057	9
1290400	Soil	0.8	10.0	7.3	77	0.3	19.7	6.6	225	1.88	3.6	0.7	2.9	24	0.8	0.4	0.1	32	0.32	0.079	11
1290401	Soil	0.9	18.5	8.3	89	0.8	25.9	6.4	223	1.84	4.1	0.8	2.9	27	1.5	0.8	0.1	32	0.36	0.074	13
1290402	Soil	0.9	13.6	8.0	102	0.5	23.1	7.1	252	2.08	3.5	<0.5	2.4	27	1.6	0.4	0.1	34	0.39	0.069	12
1290403	Soil	1.1	14.3	7.8	88	0.6	27.6	7.7	265	2.19	4.0	1.0	2.7	35	1.0	0.6	0.1	38	0.45	0.071	12
1290404	Soil	6.5	39.2	15.4	148	0.6	35.1	9.4	610	2.06	8.3	3.4	3.4	54	4.5	3.9	0.1	54	0.62	0.084	14
1290405	Soil	10.8	38.6	18.3	137	0.9	35.8	7.1	264	1.93	10.1	5.6	4.6	58	2.2	6.5	0.2	64	0.42	0.086	16
1290406	Soil	1.7	10.3	9.2	63	0.3	18.7	5.8	193	1.70	3.2	1.1	1.6	29	0.7	0.5	0.1	33	0.44	0.056	10
1290407	Soil	3.5	23.0	10.6	109	0.3	31.7	7.8	250	2.16	5.7	3.0	3.2	31	0.5	2.0	0.1	49	0.33	0.062	14
1290408	Soil	11.9	33.6	13.6	147	0.8	34.8	7.2	207	1.81	12.1	1.4	2.6	67	1.5	6.9	0.1	55	0.63	0.072	12
1290409	Soil	1.1	12.5	7.8	89	0.4	22.0	7.1	202	2.22	3.1	<0.5	3.4	20	0.3	0.3	0.2	39	0.26	0.056	13
1290410	Soil	2.0	10.1	9.6	59	0.4	18.6	5.9	162	2.05	4.9	0.8	3.3	18	0.7	0.7	0.2	38	0.22	0.058	11
1290411	Soil	1.8	11.6	8.7	71	0.4	20.3	8.1	245	2.12	3.9	2.4	3.7	20	0.4	0.3	0.1	37	0.27	0.064	11
1290412	Soil	1.4	10.3	8.2	58	0.5	17.4	5.8	181	2.02	3.4	1.5	3.3	18	0.4	0.3	0.1	38	0.24	0.053	11
1290413	Soil	1.6	8.4	9.0	51	0.3	13.7	5.0	138	1.61	2.8	<0.5	3.0	18	0.6	0.3	0.1	35	0.19	0.038	10
1290414	Soil	3.9	8.0	7.8	71	0.2	10.8	3.0	138	1.22	2.7	<0.5	2.8	14	1.9	1.3	0.1	33	0.08	0.028	11
1290415	Soil	1.9	9.3	8.6	90	0.6	19.4	6.4	275	2.14	3.6	1.0	2.9	20	0.7	0.3	0.1	38	0.26	0.057	11
1290416	Soil	1.7	8.1	8.8	69	0.4	17.7	7.0	265	2.05	3.9	1.1	3.2	16	0.8	0.3	0.1	37	0.21	0.070	10
1290417	Soil	2.0	8.3	7.9	59	0.3	15.5	5.2	158	1.85	3.3	<0.5	2.7	13	0.6	0.3	0.1	35	0.16	0.057	11
1290418	Soil	2.5	8.6	9.3	83	0.7	20.1	6.8	190	2.32	4.1	<0.5	3.3	18	0.5	0.3	0.1	41	0.24	0.060	11
1290501	Soil	4.0	29.1	16.0	195	0.3	34.0	8.4	359	2.71	10.9	0.9	3.8	34	1.7	1.3	0.2	73	0.42	0.044	13
1290502	Soil	2.6	11.3	12.4	235	0.2	36.2	9.2	344	2.91	7.1	0.6	4.6	20	0.9	1.0	0.2	89	0.20	0.026	12
1290503	Soil	5.7	60.6	17.9	471	1.1	65.5	10.5	550	2.73	15.9	2.5	3.8	40	2.5	3.8	0.2	221	0.38	0.064	20
1290504	Soil	3.2	42.3	13.0	274	0.4	59.3	9.2	387	2.75	11.5	2.5	4.3	27	0.9	2.5	0.2	141	0.22	0.053	18
1290505	Soil	3.1	21.1	12.4	216	0.4	40.6	9.0	379	2.59	10.7	0.7	3.7	35	0.8	1.8	0.2	113	0.51	0.074	16

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Project: KITZA  
 Report Date: November 08, 2011

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
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	
1290394	Soil	21	0.34	829	0.026	3	1.06	0.007	0.03	0.2	0.26	1.7	<0.1	<0.05	4	1.2	<0.2
1290395	Soil	22	0.39	628	0.023	2	1.16	0.008	0.04	0.2	0.06	1.7	<0.1	<0.05	4	0.6	<0.2
1290396	Soil	23	0.45	366	0.025	2	1.02	0.008	0.03	0.3	0.07	1.6	<0.1	<0.05	3	0.6	<0.2
1290397	Soil	22	0.41	376	0.034	2	1.05	0.008	0.04	0.2	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1290398	Soil	24	0.42	327	0.034	1	0.96	0.009	0.04	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1290399	Soil	21	0.37	379	0.029	1	0.99	0.008	0.03	0.2	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1290400	Soil	21	0.43	483	0.031	1	0.97	0.008	0.03	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1290401	Soil	23	0.42	863	0.030	1	1.04	0.010	0.03	0.2	0.13	2.1	<0.1	<0.05	3	0.6	<0.2
1290402	Soil	25	0.43	675	0.038	1	1.14	0.011	0.03	0.3	0.04	2.0	<0.1	<0.05	4	<0.5	<0.2
1290403	Soil	27	0.46	766	0.041	1	1.21	0.011	0.03	0.2	0.05	2.1	<0.1	<0.05	4	0.8	<0.2
1290404	Soil	23	0.31	1421	0.022	3	0.96	0.007	0.06	0.2	0.21	2.4	0.1	<0.05	3	5.9	<0.2
1290405	Soil	22	0.26	1472	0.021	3	0.76	0.006	0.08	0.3	0.32	2.6	0.2	<0.05	2	10.5	<0.2
1290406	Soil	21	0.36	654	0.030	1	0.96	0.013	0.04	0.2	0.04	1.5	<0.1	<0.05	4	0.7	<0.2
1290407	Soil	26	0.38	1291	0.031	2	1.27	0.010	0.05	0.2	0.13	2.6	0.1	<0.05	4	2.1	<0.2
1290408	Soil	17	0.20	1194	0.011	2	0.66	0.005	0.07	0.2	0.26	2.0	0.2	<0.05	2	6.5	<0.2
1290409	Soil	26	0.43	544	0.041	1	1.31	0.009	0.03	0.2	0.05	2.0	<0.1	<0.05	5	<0.5	<0.2
1290410	Soil	22	0.37	482	0.034	<1	0.95	0.006	0.04	0.2	0.04	1.5	<0.1	<0.05	4	0.6	<0.2
1290411	Soil	24	0.43	598	0.037	<1	1.18	0.008	0.04	0.2	0.05	1.7	<0.1	<0.05	4	<0.5	<0.2
1290412	Soil	23	0.39	309	0.036	<1	1.17	0.008	0.03	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1290413	Soil	18	0.31	736	0.029	<1	0.89	0.007	0.03	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1290414	Soil	14	0.13	409	0.025	3	0.46	0.004	0.04	0.2	0.02	0.9	<0.1	<0.05	3	0.8	<0.2
1290415	Soil	25	0.37	503	0.037	<1	1.18	0.008	0.04	0.2	0.03	1.7	<0.1	<0.05	5	0.6	<0.2
1290416	Soil	23	0.40	371	0.038	<1	1.06	0.007	0.04	0.2	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1290417	Soil	20	0.35	249	0.035	<1	0.99	0.006	0.03	0.3	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1290418	Soil	26	0.43	353	0.045	1	1.29	0.009	0.04	0.2	0.03	1.7	<0.1	<0.05	5	<0.5	<0.2
1290501	Soil	22	0.45	659	0.005	<1	1.22	0.003	0.05	0.1	0.04	2.8	0.2	<0.05	4	1.2	<0.2
1290502	Soil	31	0.41	419	0.040	2	1.38	0.006	0.08	0.1	0.02	2.4	0.1	<0.05	5	0.6	<0.2
1290503	Soil	27	0.28	564	0.008	2	0.77	0.003	0.10	0.2	0.15	4.2	0.3	<0.05	3	1.4	<0.2
1290504	Soil	29	0.31	403	0.028	1	0.98	0.006	0.11	0.2	0.08	3.5	0.2	<0.05	4	1.3	<0.2
1290505	Soil	25	0.36	392	0.033	2	0.98	0.006	0.08	0.1	0.08	2.8	0.2	<0.05	3	0.9	<0.2

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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	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	2	0.01	0.001	1	
1290506	Soil	8.0	69.7	17.5	195	0.6	58.7	10.9	260	3.32	18.0	4.1	4.9	31	0.5	2.7	0.2	95	0.16	0.034	19
1290507	Soil	0.5	14.5	7.9	99	0.2	32.0	8.6	383	2.36	5.6	1.1	3.3	29	0.3	0.4	<0.1	44	0.40	0.068	12
1290508	Soil	0.7	5.1	10.3	206	0.2	17.7	6.0	248	2.02	1.5	<0.5	2.9	21	0.3	0.2	0.1	38	0.28	0.033	11
1290509	Soil	1.8	12.4	8.9	104	0.2	27.8	6.9	369	2.10	4.5	0.8	3.5	26	0.2	0.4	0.1	49	0.32	0.044	15
1290510	Soil	2.4	11.5	11.1	110	<0.1	28.2	7.9	330	2.47	6.9	0.8	4.2	19	0.3	0.9	0.1	42	0.19	0.040	12
1290511	Soil	1.8	8.6	9.8	133	0.1	31.1	8.5	294	2.67	5.3	<0.5	3.6	20	0.4	0.5	0.1	52	0.21	0.042	10
1290512	Soil	1.1	8.9	6.9	91	0.1	29.9	8.8	324	2.53	4.1	6.7	3.7	22	0.2	0.3	0.1	48	0.27	0.047	10
1290513	Soil	1.2	11.0	7.4	88	0.2	35.7	9.8	513	2.83	4.6	0.7	4.0	25	0.1	0.3	0.1	47	0.28	0.039	13
1290514	Soil	1.4	7.3	9.9	243	0.2	28.1	9.7	831	2.65	3.1	<0.5	3.1	19	1.1	0.5	0.2	55	0.21	0.037	11
1290515	Soil	1.6	6.7	9.9	135	0.1	28.7	8.6	442	2.75	5.2	<0.5	3.3	19	0.4	0.5	0.1	71	0.22	0.023	11
1290516	Soil	1.6	8.5	7.8	112	0.1	28.3	8.5	307	2.59	5.8	<0.5	3.4	19	0.3	0.7	<0.1	84	0.20	0.022	11
1290517	Soil	1.0	9.2	7.7	127	0.2	31.8	8.8	452	2.61	4.0	<0.5	3.3	21	0.3	0.3	0.1	44	0.27	0.052	10



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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	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1290506	Soil	21	0.22	528	0.010	2	0.78	0.003	0.09	0.1	0.13	4.0	0.2	<0.05	2	1.9	<0.2
1290507	Soil	32	0.47	306	0.050	1	1.00	0.014	0.07	0.2	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1290508	Soil	27	0.35	310	0.056	1	1.07	0.008	0.07	0.2	<0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
1290509	Soil	27	0.42	282	0.051	1	1.16	0.008	0.05	0.2	0.02	2.4	<0.1	<0.05	4	0.6	<0.2
1290510	Soil	25	0.35	247	0.034	<1	1.04	0.007	0.06	0.2	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
1290511	Soil	29	0.40	258	0.063	1	1.23	0.009	0.07	0.2	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
1290512	Soil	35	0.47	234	0.075	<1	1.37	0.011	0.07	0.2	0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
1290513	Soil	34	0.45	297	0.089	<1	1.59	0.013	0.08	0.2	0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
1290514	Soil	29	0.36	302	0.052	1	1.12	0.008	0.11	0.2	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
1290515	Soil	32	0.41	294	0.068	2	1.35	0.009	0.11	0.2	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
1290516	Soil	31	0.40	312	0.079	1	1.28	0.010	0.08	0.2	0.01	2.1	0.1	<0.05	4	<0.5	<0.2
1290517	Soil	30	0.40	272	0.068	<1	1.45	0.011	0.10	0.2	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2



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# QUALITY CONTROL REPORT

WHI11001767.1

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	%	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																					
1290403	Soil	1.1	14.3	7.8	88	0.6	27.6	7.7	265	2.19	4.0	1.0	2.7	35	1.0	0.6	0.1	38	0.45	0.071	12
REP 1290403	QC	1.0	14.2	7.6	83	0.5	27.5	7.4	254	2.11	3.6	1.1	2.7	33	1.1	0.6	0.1	36	0.43	0.066	12
1290502	Soil	2.6	11.3	12.4	235	0.2	36.2	9.2	344	2.91	7.1	0.6	4.6	20	0.9	1.0	0.2	89	0.20	0.026	12
REP 1290502	QC	2.6	11.0	12.3	212	0.2	33.2	8.6	324	2.71	7.0	4.4	4.1	19	0.9	0.9	0.2	80	0.18	0.024	9
1290516	Soil	1.6	8.5	7.8	112	0.1	28.3	8.5	307	2.59	5.8	<0.5	3.4	19	0.3	0.7	<0.1	84	0.20	0.022	11
REP 1290516	QC	1.7	8.7	7.8	113	0.1	29.8	8.6	314	2.61	6.0	2.2	3.5	19	0.3	0.8	<0.1	87	0.21	0.022	11
Reference Materials																					
STD DS8	Standard	11.9	110.8	124.2	314	1.8	38.7	7.6	591	2.43	24.8	116.3	6.2	66	2.3	5.6	6.6	40	0.67	0.082	13
STD DS8	Standard	13.2	112.9	125.9	312	1.8	40.5	7.8	612	2.51	23.5	110.7	6.7	66	2.2	5.5	6.3	43	0.70	0.080	15
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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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QUALITY CONTROL REPORT

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
1290403	Soil	27	0.46	766	0.041	1	1.21	0.011	0.03	0.2	0.05	2.1	<0.1	<0.05	4	0.8	<0.2
REP 1290403	QC	25	0.45	768	0.039	1	1.17	0.012	0.03	0.2	0.04	2.0	<0.1	<0.05	4	0.5	<0.2
1290502	Soil	31	0.41	419	0.040	2	1.38	0.006	0.08	0.1	0.02	2.4	0.1	<0.05	5	0.6	<0.2
REP 1290502	QC	28	0.38	399	0.032	<1	1.26	0.006	0.07	0.2	<0.01	2.0	0.1	<0.05	4	0.7	<0.2
1290516	Soil	31	0.40	312	0.079	1	1.28	0.010	0.08	0.2	0.01	2.1	0.1	<0.05	4	<0.5	<0.2
REP 1290516	QC	33	0.41	319	0.081	1	1.26	0.010	0.08	0.1	0.01	2.3	0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	112	0.62	267	0.113	3	0.90	0.094	0.43	2.9	0.19	2.5	5.3	0.16	5	5.5	4.9
STD DS8	Standard	120	0.61	271	0.110	2	0.94	0.103	0.42	3.0	0.19	2.9	5.5	0.14	5	5.0	5.1
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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



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: Terry  
Receiving Lab: Canada-Whitehorse  
Received: October 18, 2011  
Report Date: November 06, 2011  
Page: 1 of 2

# CERTIFICATE OF ANALYSIS

# WHI11001768.1

## CLIENT JOB INFORMATION

Project: KITZA  
Shipment ID: #1  
P.O. Number  
Number of Samples: 1

## SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	1	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	1	Saving all or part of Soil Reject			WHI
1DX2	1	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

## ADDITIONAL COMMENTS



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





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

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

**Project:** KITZA  
**Report Date:** November 06, 2011

**Page:** 2 of 2 Part 1

## CERTIFICATE OF ANALYSIS

WHI11001768.1

Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	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	
1290518	Silt	5.6	167.6	1.9	5338	0.3	393.9	1.7	167	0.64	<0.5	<0.5	<0.1	696	94.5	1.3	<0.1	27	22.27	0.082	



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**Project:** KITZA  
**Report Date:** November 06, 2011

**Page:** 2 of 2 Part 2

**CERTIFICATE OF ANALYSIS**

**WHI11001768.1**

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	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	
1290518	Silt	3	11	0.19	566	0.003	6	0.09	0.006	0.02	<0.1	0.28	0.7	4.1	0.51	<1	26.8	<0.2



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Project: KITZA

Report Date: November 06, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

WHI11001768.1

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	
Reference Materials																					
STD DS8	Standard	12.4	107.0	120.7	306	1.8	36.5	7.1	595	2.34	22.9	110.1	6.3	63	2.2	5.4	6.2	40	0.66	0.079	14
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
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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West Kelowna BC V4T 2N6 Canada

Project: KITZA

Report Date: November 06, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

WHI11001768.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Reference Materials																	
STD DS8	Standard	115	0.61	261	0.110	2	0.90	0.085	0.41	3.1	0.19	1.9	5.3	0.15	5	5.1	4.8
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
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

**APPENDIX III**

**FIGURES 1 TO 10**

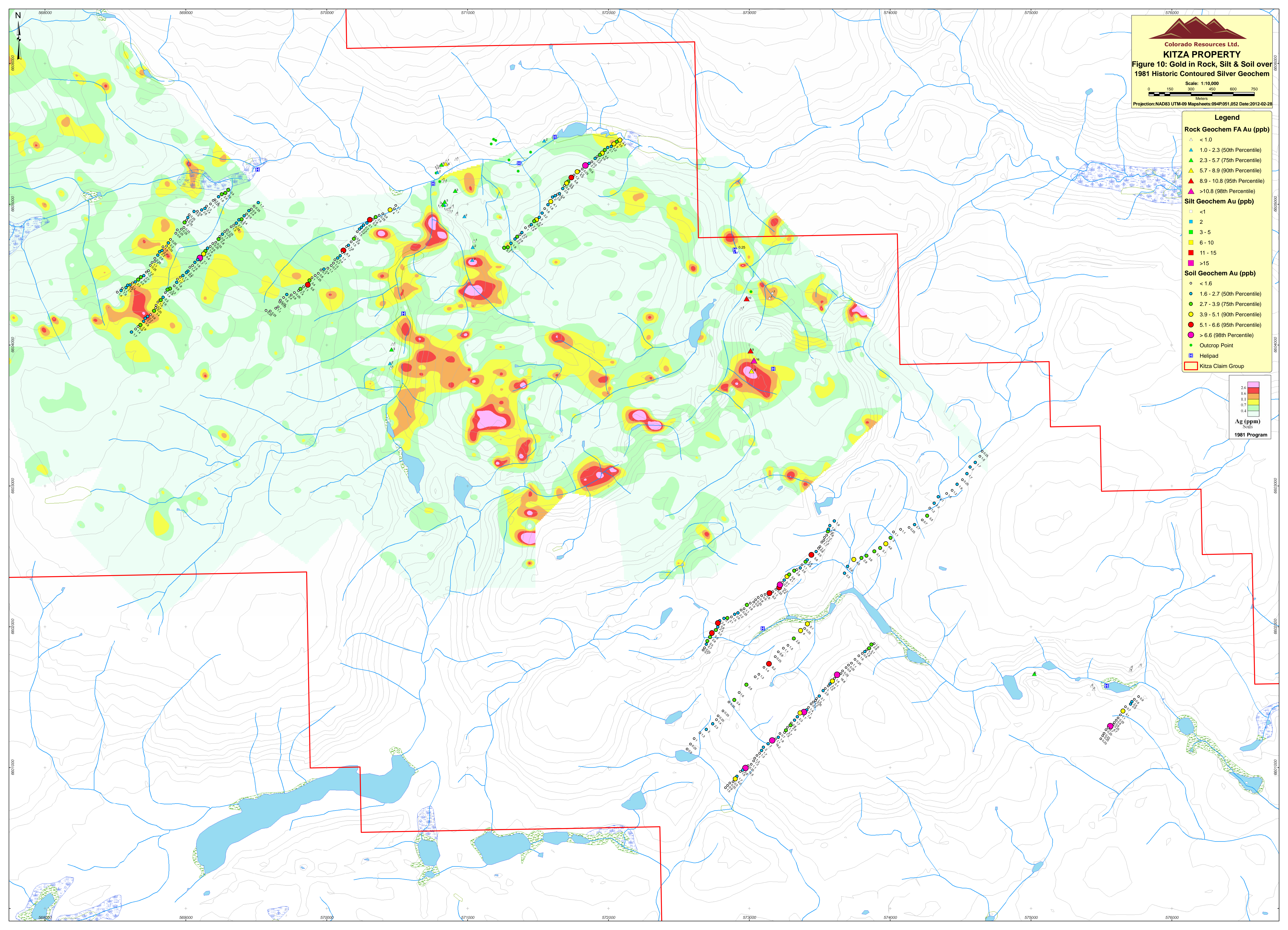
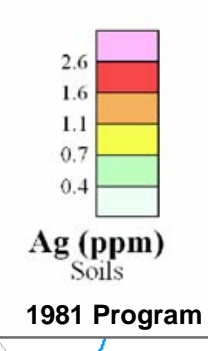





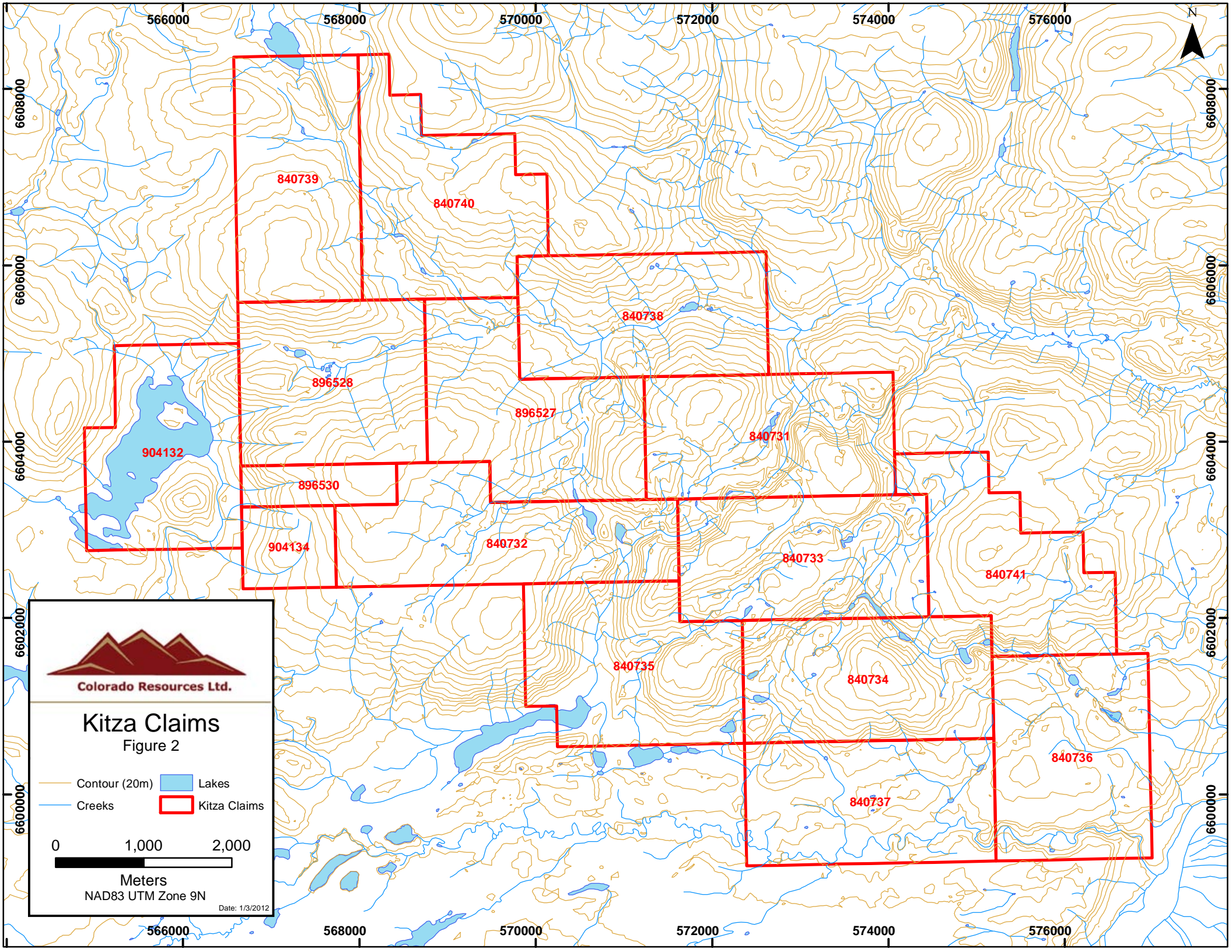
Figure 1



- Legend**
- Rock Geochem FA Au (ppb)**
- △ < 1.0
  - ▲ 1.0 - 2.3 (50th Percentile)
  - ▲ 2.3 - 5.7 (75th Percentile)
  - ▲ 5.7 - 8.9 (90th Percentile)
  - ▲ 8.9 - 10.8 (95th Percentile)
  - ▲ >10.8 (98th Percentile)
- Silt Geochem Au (ppb)**
- < 1
  - 2
  - 3 - 5
  - 6 - 10
  - 11 - 15
  - >15
- Soil Geochem Au (ppb)**
- < 1.6
  - 1.6 - 2.7 (50th Percentile)
  - 2.7 - 3.9 (75th Percentile)
  - 3.9 - 5.1 (90th Percentile)
  - 5.1 - 6.6 (95th Percentile)
  - > 6.6 (98th Percentile)
  - Outcrop Point
  - Helipad
  - Kitza Claim Group











**Colorado Resources Ltd.**

### Kitza Claims

Figure 2

 Contour (20m)	 Lakes
 Creeks	 Kitza Claims

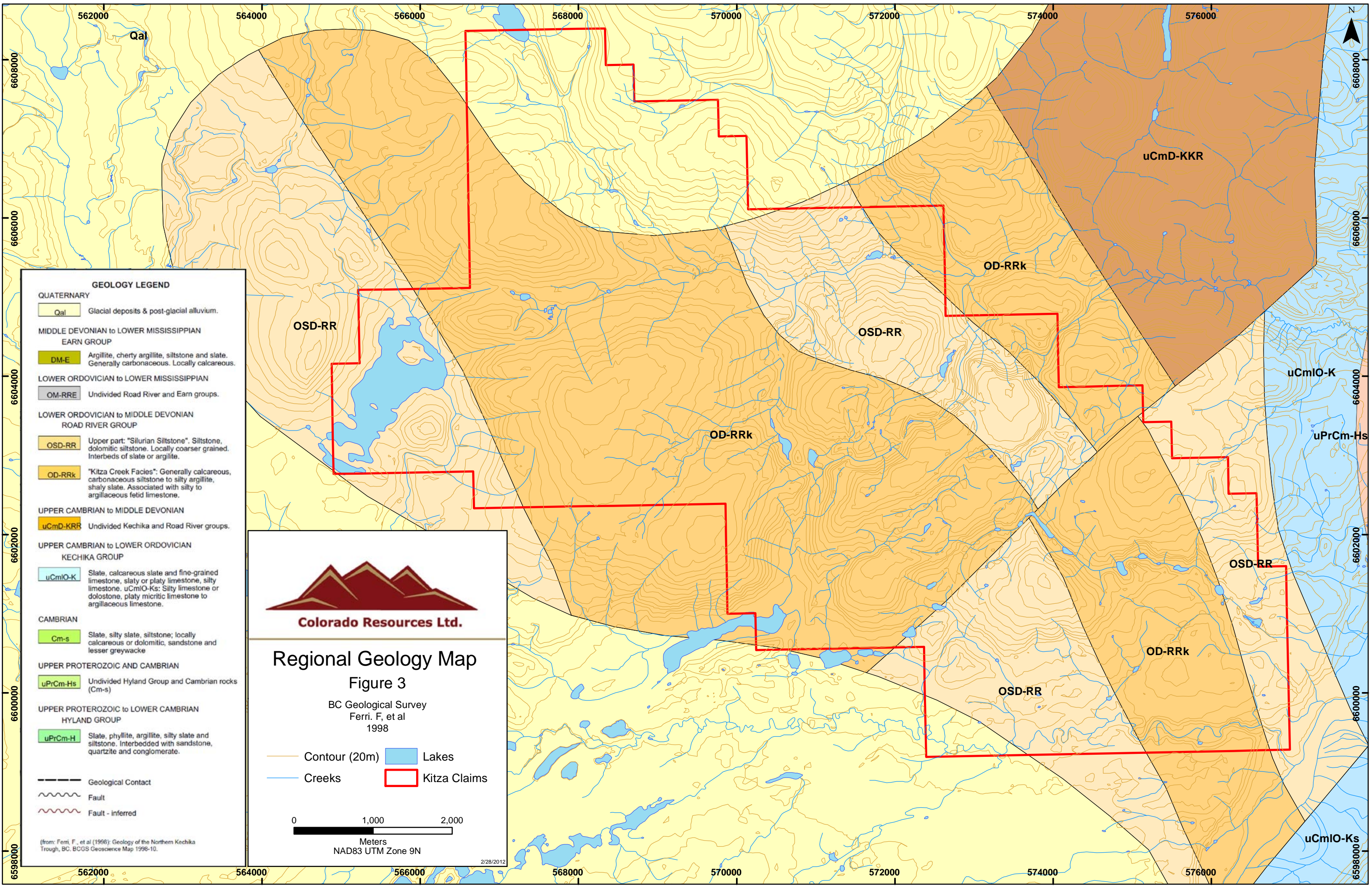
0      1,000      2,000

Meters

NAD83 UTM Zone 9N

Date: 1/3/2012





**GEOLOGY LEGEND**

**QUATERNARY**

Qal Glacial deposits & post-glacial alluvium.

**MIDDLE DEVONIAN to LOWER MISSISSIPPIAN EARN GROUP**

DM-E Argillite, cherty argillite, siltstone and slate. Generally carbonaceous. Locally calcareous.

**LOWER ORDOVICIAN to LOWER MISSISSIPPIAN**

OM-RRE Undivided Road River and Earn groups.

**LOWER ORDOVICIAN to MIDDLE DEVONIAN ROAD RIVER GROUP**

OSD-RR Upper part: "Silurian Siltstone". Siltstone, dolomitic siltstone. Locally coarser grained. Interbeds of slate or argillite.

OD-RRk "Kitza Creek Facies": Generally calcareous, carbonaceous siltstone to silty argillite, shaly slate. Associated with silty to argillaceous fetid limestone.

**UPPER CAMBRIAN to MIDDLE DEVONIAN**

uCmD-KRR Undivided Kechika and Road River groups.

**UPPER CAMBRIAN to LOWER ORDOVICIAN KECHIKA GROUP**

uCmIO-K Slate, calcareous slate and fine-grained limestone, slaty or platy limestone, silty limestone. uCmIO-Ks: Silty limestone or dolostone, platy micritic limestone to argillaceous limestone.

**CAMBRIAN**

Cm-s Slate, silty slate, siltstone; locally calcareous or dolomitic, sandstone and lesser greywacke

**UPPER PROTEROZOIC AND CAMBRIAN**

uPrCm-Hs Undivided Hyland Group and Cambrian rocks (Cm-s)

**UPPER PROTEROZOIC to LOWER CAMBRIAN HYLAND GROUP**


uPrCm-H Slate, phyllite, argillite, silty slate and siltstone. Interbedded with sandstone, quartzite and conglomerate.

--- Geological Contact

~~~~ Fault

~~~~~ Fault - inferred

(from: Ferri, F., et al (1996): Geology of the Northern Kechika Trough, BC. BCGS Geoscience Map 1998-10.



**Colorado Resources Ltd.**

**Regional Geology Map**

**Figure 3**

BC Geological Survey  
Ferri, F. et al  
1998

— Contour (20m)    Lakes

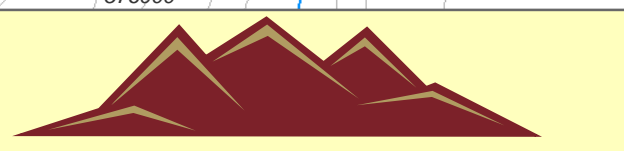
— Creeks            Kitzia Claims

0                      1,000                      2,000

Meters  
NAD83 UTM Zone 9N

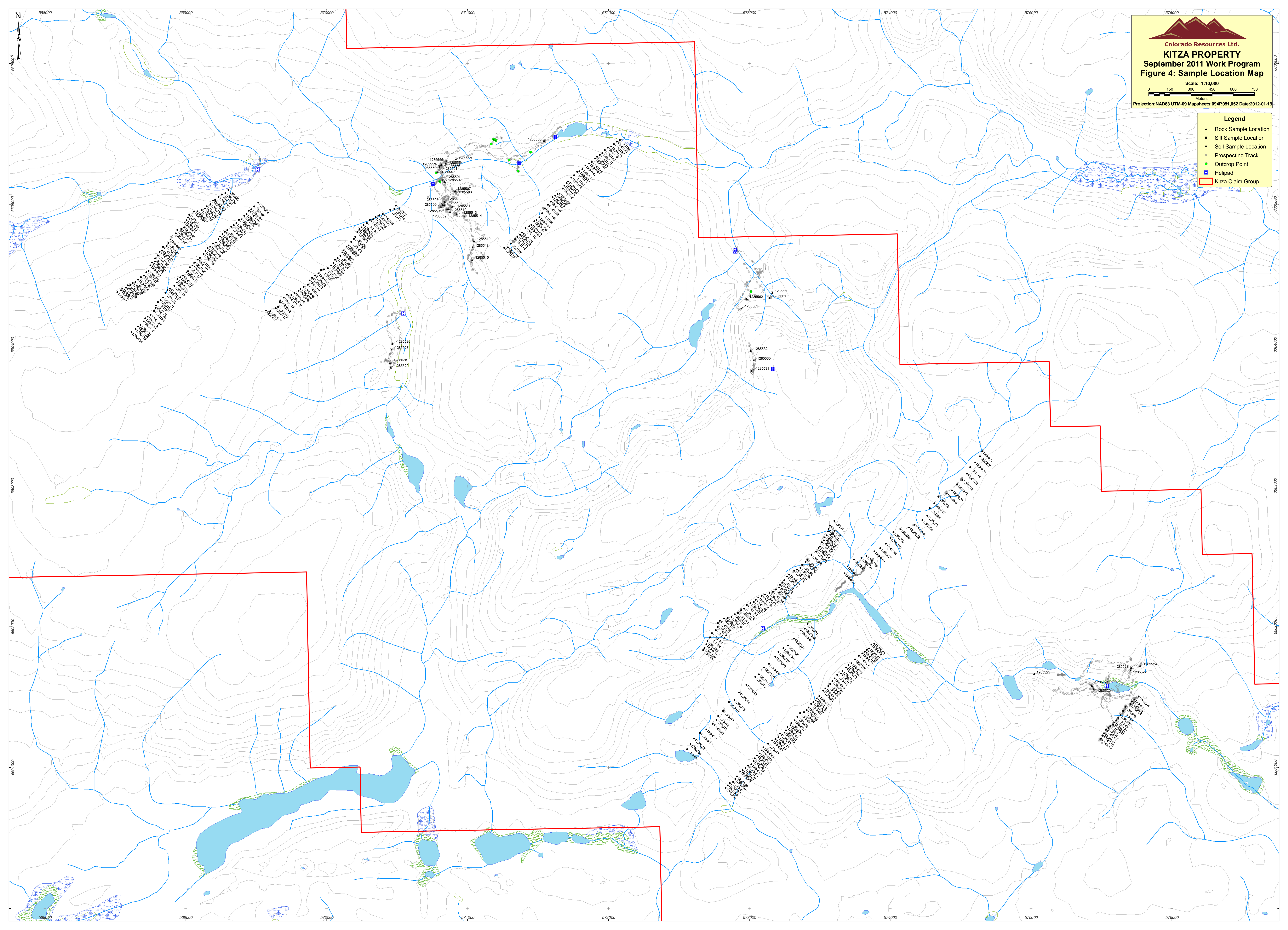
2/28/2012



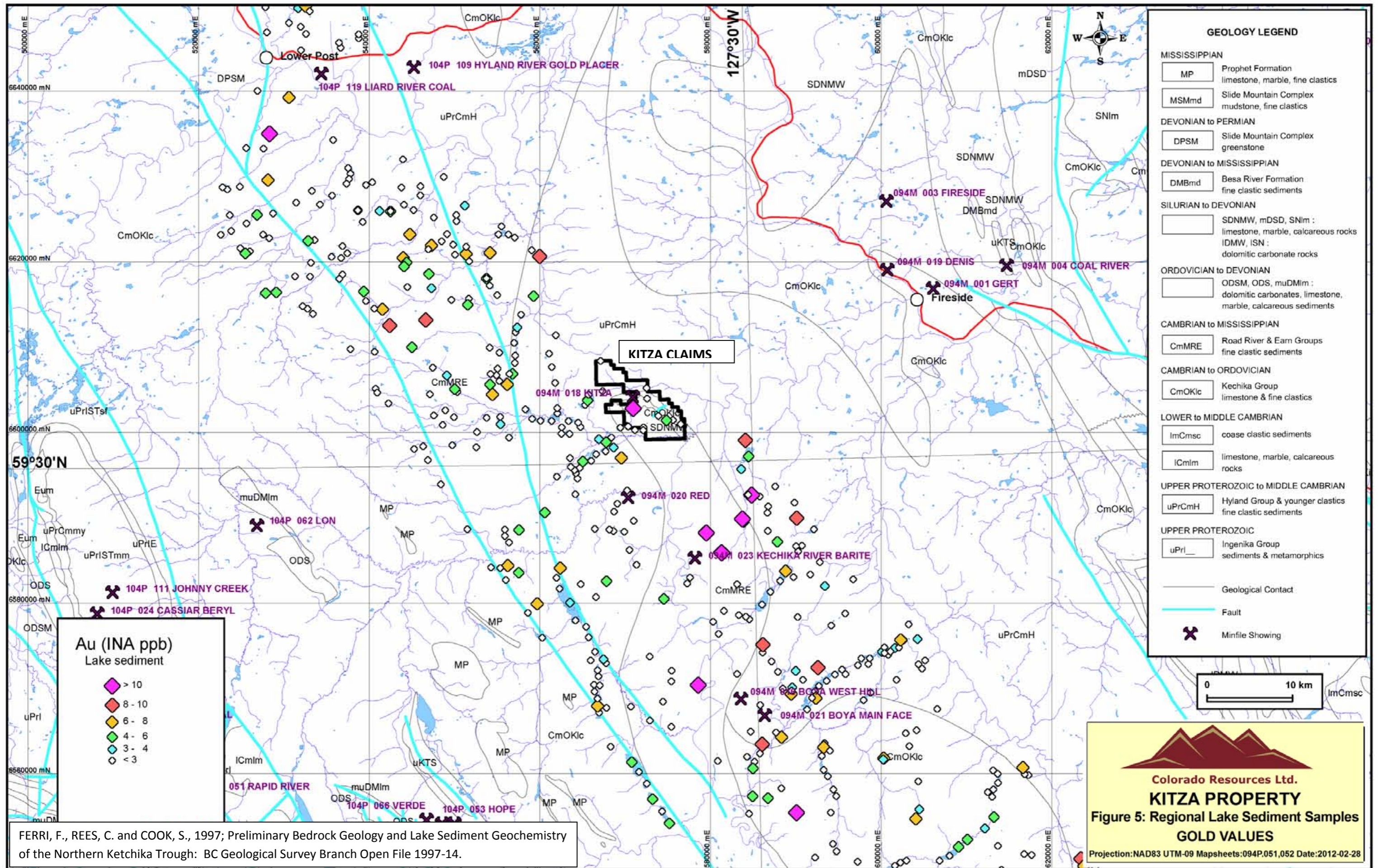

  
**Colorado Resources Ltd.**
  
**KITZA PROPERTY**
  
**September 2011 Work Program**
  
**Figure 4: Sample Location Map**
  
 Scale: 1:10,000
   
 0 150 300 450 600 750
   
 Meters
   
 Projection: NAD83 UTM-09 Mapsheets: 094P051, 052 Date: 2012-01-19

**Legend**

- ▲ Rock Sample Location
- Silt Sample Location
- Soil Sample Location
- Prospecting Track
- Outcrop Point
- Helipad
- ▭ Kitza Claim Group







FERRI, F., REES, C. and COOK, S., 1997; Preliminary Bedrock Geology and Lake Sediment Geochemistry of the Northern Ketchika Trough: BC Geological Survey Branch Open File 1997-14.

  
**Colorado Resources Ltd.**  
**KITZA PROPERTY**  
**Figure 5: Regional Lake Sediment Samples**  
**GOLD VALUES**  
 Projection: NAD83 UTM-09 Mapsheets: 094P.051, 052 Date: 2012-02-28



**Legend**

**Rock Geochem Ag (ppm)**

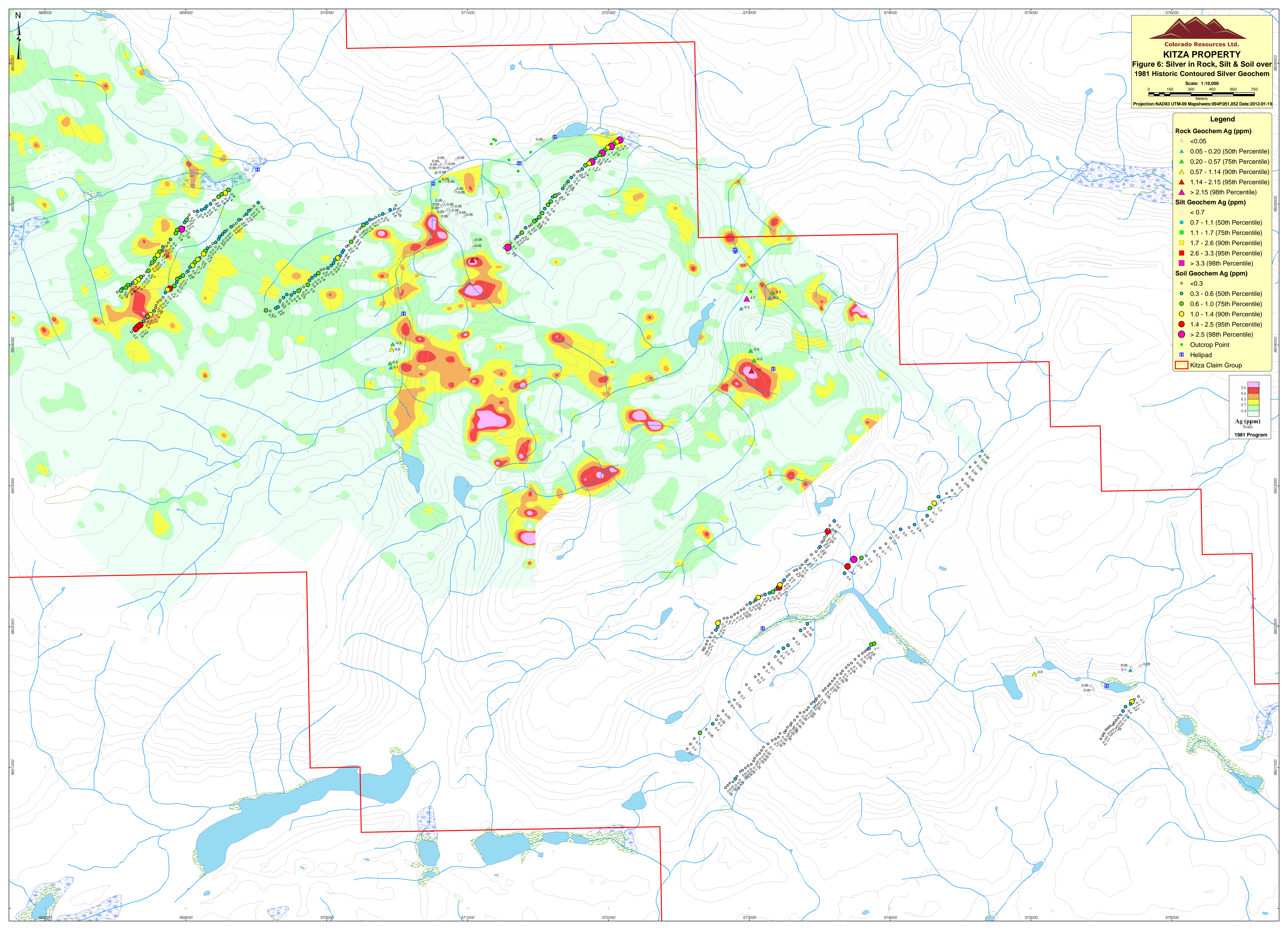
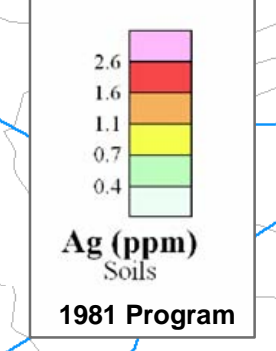
- △ <0.05
- ▲ 0.05 - 0.20 (50th Percentile)
- ▲ 0.20 - 0.57 (75th Percentile)
- ▲ 0.57 - 1.14 (90th Percentile)
- ▲ 1.14 - 2.15 (95th Percentile)
- ▲ > 2.15 (98th Percentile)

**Silt Geochem Ag (ppm)**

- < 0.7
- 0.7 - 1.1 (50th Percentile)
- 1.1 - 1.7 (75th Percentile)
- 1.7 - 2.6 (90th Percentile)
- 2.6 - 3.3 (95th Percentile)
- > 3.3 (98th Percentile)

**Soil Geochem Ag (ppm)**

- <0.3
- 0.3 - 0.6 (50th Percentile)
- 0.6 - 1.0 (75th Percentile)
- 1.0 - 1.4 (90th Percentile)
- 1.4 - 2.5 (95th Percentile)
- > 2.5 (98th Percentile)
- Outcrop Point
- Helipad
- Kitza Claim Group





**Legend**

**Rock Geochem Cu (ppm)**

- △ < 4
- ▲ 4 - 24 (50th Percentile)
- ▲ 24 - 110 (75th Percentile)
- ▲ 110 - 140 (90th Percentile)
- ▲ 140 - 245 (95th Percentile)
- ▲ >245 (98th Percentile)

**Silt Geochem Cu (ppm)**

- <10
- 11 - 20
- 21 - 30
- 31 - 40
- 41 - 50
- >50

**Soil Geochem Cu (ppm)**

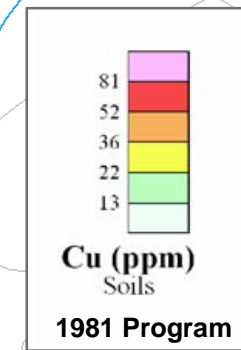
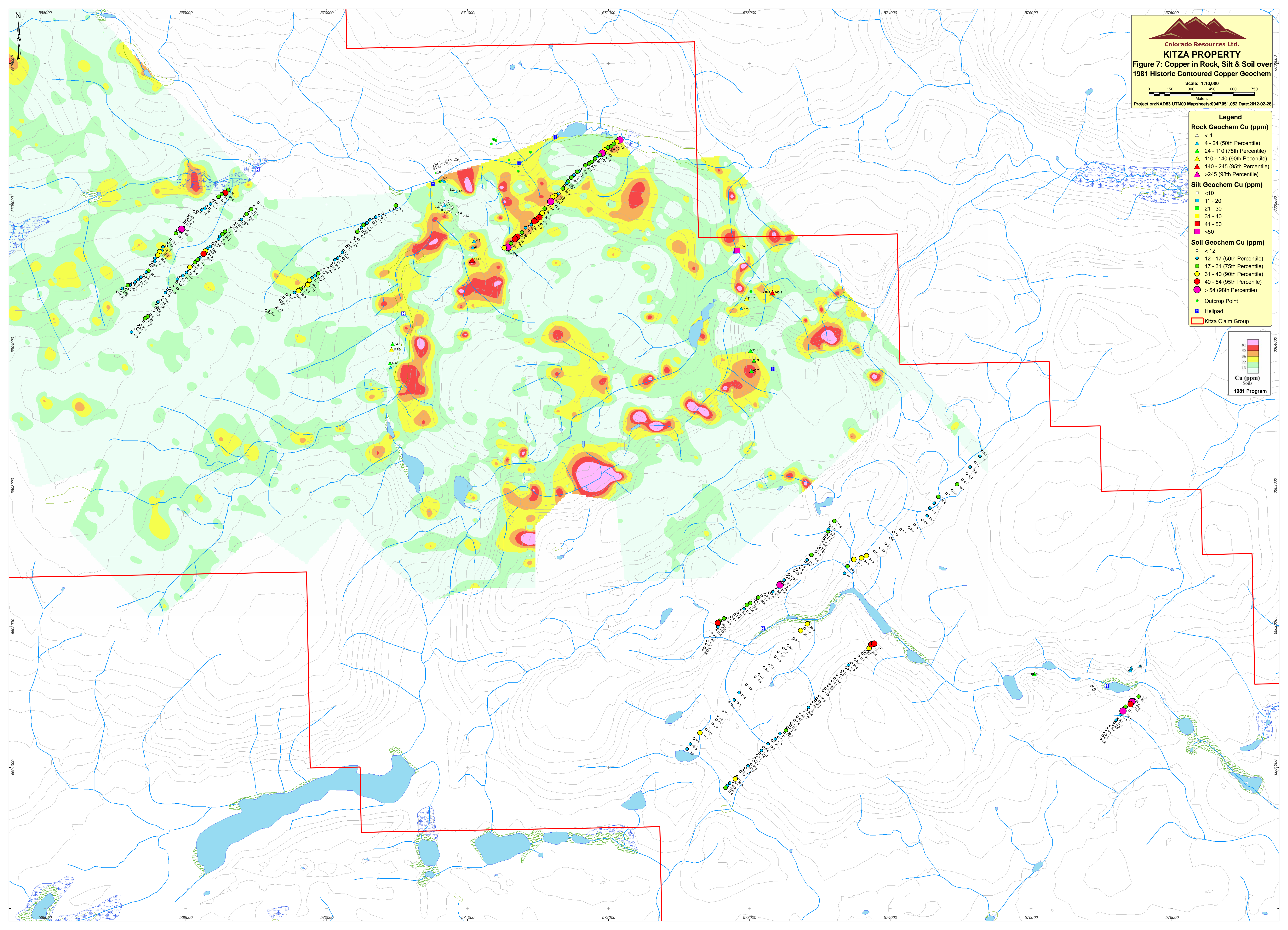
- < 12
- 12 - 17 (50th Percentile)
- 17 - 31 (75th Percentile)
- 31 - 40 (90th Percentile)
- 40 - 54 (95th Percentile)
- > 54 (98th Percentile)
- Outcrop Point
- Helipad
- Kitza Claim Group

**Cu (ppm)**

Soils

1981 Program

81  
52  
36  
22  
13



**Legend**

**Rock Geochem Pb (ppm)**

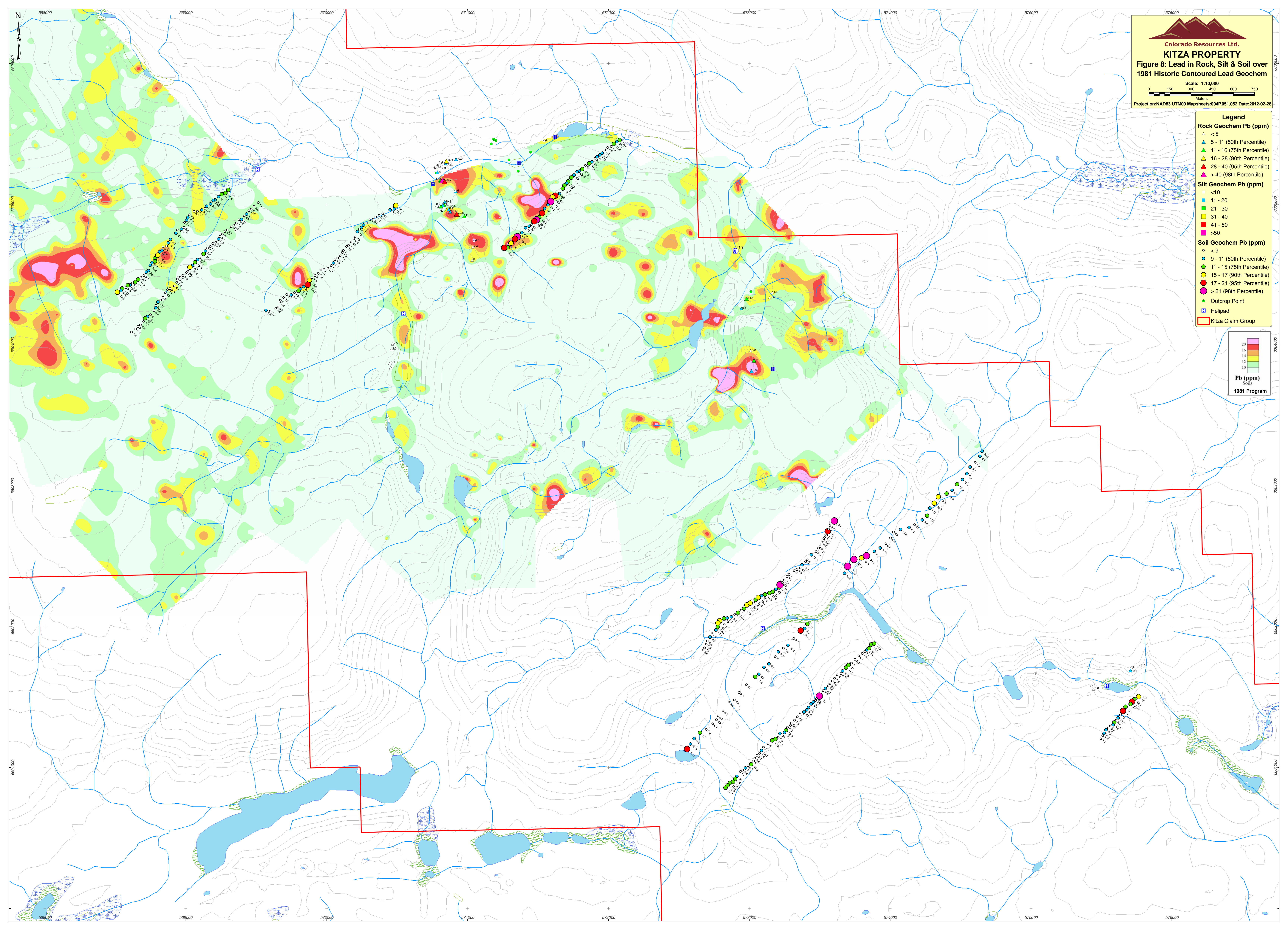
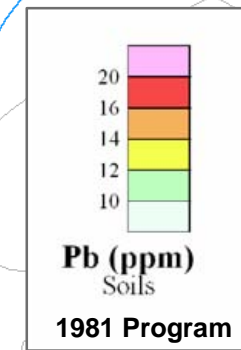
- △ < 5
- ▲ 5 - 11 (50th Percentile)
- ▲ 11 - 16 (75th Percentile)
- ▲ 16 - 28 (90th Percentile)
- ▲ 28 - 40 (95th Percentile)
- ▲ > 40 (98th Percentile)

**Silt Geochem Pb (ppm)**

- < 10
- 11 - 20
- 21 - 30
- 31 - 40
- 41 - 50
- > 50

**Soil Geochem Pb (ppm)**

- < 9
- 9 - 11 (50th Percentile)
- 11 - 15 (75th Percentile)
- 15 - 17 (90th Percentile)
- 17 - 21 (95th Percentile)
- > 21 (98th Percentile)
- Outcrop Point
- Helipad
- Kitza Claim Group





**Legend**

**Rock Geochem Zn (ppm)**

- △ < 30
- ▲ 30 - 95 (50th Percentile)
- ▲ 95 - 447 (75th Percentile)
- ▲ 447 - 1566 (90th Percentile)
- ▲ 1566 - 3463 (95th Percentile)
- ▲ > 3463 (98th Percentile)

**Silt Geochem Zn (ppm)**

- < 10
- 11 - 20
- 21 - 30
- 31 - 40
- 41 - 50
- > 50

**Soil Geochem Zn (ppm)**

- < 111
- 111 - 171 (50th Percentile)
- 171 - 294 (75th Percentile)
- 294 - 372 (90th Percentile)
- 372 - 516 (95th Percentile)
- > 516 (98th Percentile)
- Outcrop Point
- Helipad
- ▭ Kitza Claim Group

