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Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

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

TOTAL COST: 55,906.77

AUTHOR(S): Nicholas Johnson

SIGNATURE(S): Digitally signed by Nicholas Johnson DN: cn=Nicholas Johnson, o=Canada Zinc Metals Corp., ou, email=njohnson@canadazincmetals.com, c=CA Date: 2015.01.14 01:34:48 -05'00'

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

YEAR OF WORK: 2014

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5537506 - 9 January 2015

PROPERTY NAME: Yuen North

CLAIM NAME(S) (on which the work was done): Yuen North 1 (1024832) Yuen North 2 (1024833)

COMMODITIES SOUGHT: Zn, Pb, Ag

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Omenica

NTS/BCGS: 094F11

LATITUDE: 57 ° 36 ' " **LONGITUDE:** -125 ° 18 ' " **(at centre of work)**

OWNER(S):

1) Canada Zinc Metals Corp.

2)

MAILING ADDRESS:

Suite 2050 1055 West Georgia St., Vancouver, BC V6E 3P3

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

1) Canada Zinc Metals Corp.

2)

MAILING ADDRESS:

Suite 2050 1055 West Georgia St., Vancouver, BC V6E 3P3

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

SEDEX, Yuen North, Earn Group, Gunsteel Formation, Barite, late Devonian

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: AR09727 (A&B)

Next Page

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil	222	1024832	$44,686.97
Silt			
Rock	17	1024832	$3,421.98
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying	239 total samples	1024832	$7,797.82
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$55,906.77

TSX-V:CZX
CANADA ZINC
METALS CORP.

THE 2014 SOIL SAMPLING PROGRAM ON THE YUEN NORTH PROPERTY

SUMMARY REPORT

OMINECA MINING DIVISION, NORTHEAST BRITISH COLUMBIA

NTS map sheet 94F11

Latitude 57°36’ N, Longitude 125°18’ W

Prepared for:

Canada Zinc Metals Corp.
Royal Centre
Suite 2050 – 1055, W. Georgia St.
Vancouver, BC V6E 3P3
FMC#: 202429

By:

Nicholas Johnson B.Sc.H

16 January 2015

Summary

In late June of 2014 Canada Zinc Metals conducted a short soil sampling program on the Yuen North property located in north eastern British Columbia. The program was designed to confirm the historical soil results and infill and expand upon the known anomalies. A total of 222 samples were collected across 13, 400 metre spaced lines. The expenditures from this work has been applied to the two mineral claims that comprise the Yuen North property.

The Yuen North property is situated in the Kechika Trough, the southern extension of the Selwyn Basin. The Kechika Trough/Selwyn basin is host to numerous SEDEX type mineral deposits. The Kechika Trough is bounded to the west and east by carbonates and shallow water clastic rocks of the Cassiar and MacDonald platforms, respectively and hosts a sequence of upper Devonian to Mississippian basinal facies clastic sedimentary rocks that are a regional target for SEDEX type zinc lead silver deposits. Deposits in the district include the Cardiac Creek deposit with a NI 43-101 compliant indicated resource of 12.7 Mt at a 5% Zn cut-off grading 8.38% Zn, 1.68% Pb 13.7g/t Ag and inferred resource of 16.3 Mt grading 7.38% Zn, 1.34% Pb, 11.6g/t Ag, (Sim 2012) and the nearby Cirque deposit (non 43-101 compliant resource of 24.7 Mt grading 8.5% Zn, 2.3% Pb and 50.8g/t Ag (BC MINFILE). Exploration in the district has focused on the upper Devonian black siliceous shales of the Gunsteel Formation that are host to the above deposits. Historical mapping on the Yuen North property identified two northwest-trending thrust panels of Gunsteel Formation shales.

Exploration of the Yuen North property (previously known as the South Kwad property) was limited to the early 1980's by Cominco Ltd. Early work included mapping which outlined a series of nodular, laminar to massively bedded barite outcroppings that occur within the western thrust repeated panel of Earn Group stratigraphy. Subsequent soil sampling programs outlined a prominent Ba anomaly with localised Pb, Zn and Ag anomalies within the western panel that were attributed to the baritic horizons outlined in the mapping. The 2014 soil sampling program also targeted the western panel of prospective stratigraphy with a primary objective to confirm the trends observed in the historical data, obtain a wider suite of elements including known trace elements of SEDEX style deposits and infill and expand upon the known soil anomalies.

The results from the 2014 soil sampling program confirmed the trends observed in the historical programs. The 2014 Pb, Zn, Ag and Ba results correlated well with historical trends though the Zn and Ag results displayed some differences in the two data sets across the main portion of the grid. In addition, the 2014 Pb results appeared to expand the historical anomaly further to the west. The results also generated three areas of interest. The first area is a linear trend extending approximately 2.4 kilometres and 200 metres wide oriented at 134 degree cutting across the main portion of the grid and coincident in Pb, Zn, Ag and Ba with values reaching 247.24 ppm, 2,484.1 ppm, 4,318 ppb and >5,000 ppm respectively. The second area is located in a west facing cirque in the south eastern portion of the grid and is coincident in Pb, Zn, Ag, Tl, Fe and Ba with values reaching 132.46 ppm, 1,968.9 ppm, 5,127 ppb, 14.81 ppm, 11.62 %, and 21,619 ppm respectively. This area of interest is hosted entirely within the Earn Group stratigraphy in proximity to the west bounding thrust fault and numerous iron seeps and ferricrete deposits. The source of the multi-element anomaly is unknown and requires follow up work. The third area is also a linear feature extending approximately 2.8 kilometres long and situated along the western edge of the grid parallel to the river valley and is best defined by Ba and Fe with values reaching 27,736 ppm and 14.52 % respectively. This anomaly appears to be associated with the mapped horizons of nodular, laminar to bedded barite hosted in Gunsteel Formation shales in the vicinity.

A number of sample sites from the 2014 program exhibit elevated values in a unique suite of elements including Ni, U, Tl, Re +/- Zn, Pb, Co, As, Sb, V, Hg, P, and Se. This suite of elements bears similarities with the recent discovery of Nick style mineralisation in drill core at the Akie property and the Nick deposit in the Yukon. Most of the sample sites are clustered within the second area of interest in the southeastern portion of the grid. The source of these values is unknown and requires further follow up work. Additional work including soil sampling, mapping and litho-geochemical rock sampling are recommended,

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1.0 Introduction & Terms of Reference

This report documents exploration work carried out in 2014 by Canada Zinc Metals Corp. (the company) on the Yuen North. Expenditures related to the exploration work have been applied to the two mineral claims that comprise the property. The author directed the field work that is the subject of this report and was supported by an able field crew supplied by Coast Mountain Geological Ltd., and the Kwadacha National Resources Limited Partnership (KNRLP). The exploration activities on the Yuen North property consisted of soil sampling and a limited amount of rock sampling. Field data was recorded in Universal Transverse Mercator (UTM) projection using North American Datum (NAD 83), located within Zone 10. All measurements in this report are in metric units. Monetary amounts are expressed in Canadian dollars.

2.0 Property Location & Description

The Company holds 100% of the claims that are incorporated into the Yuen North property block. The Yuen North property block consists of 2 mineral claims covering a total area of 2,687 hectares. The property is located in the western ranges of the Northern Rocky Mountains in the province of British Columbia, Canada (Figure 2-1). The claims are in good standing until 1 February 2018 (Table 2-1). The property can be seen in Figure 2-2. The Yuen North property is part of the company's much larger contiguous Kechika Trough mineral tenure holdings that have an approximate strike extent in excess of 140 kilometres (Figure 2-1). This contiguous package consists of 230 claims covering an area totalling 79,781 hectares. The nearest town is Mackenzie BC, located approximately 290 kilometres southeast of the Yuen North property (Figure 2-1). The Yuen North property is located within NTS topographic map sheets 94F11.

3.0 Accessibility, Infrastructure, Climate & Physiography

The Yuen North property is accessible by helicopter only. Exploration was conducted from the company's Akie exploration camp located approximately 40 kilometres to the southeast of the property. The Akie exploration camp is situated at the 24.5 kilometre mark on the Akie FSR (Forestry Service Road) (Plate 7-1). Chartered aircraft from Northern Thunderbird Air (NT Air) currently provides air transport services on a semi-daily basis during the week to a gravel airstrip at the village of Tsay Keh Dene, BC. Tsay Keh Dene is located at the northern end of Williston Lake and is approximately 60 kilometres southwest of the Akie exploration camp.

Prince George is the largest population centre in central British Columbia located approximately 420 kilometres to the south. The city is a major hub for supplies, transportation, communications, and commerce. Some supplies are derived locally in Tsay Keh Dene or from Mackenzie; the latter is located at the southern end of Williston Lake 250 kilometres southeast of the property (Figure 2-1). A series of year round accessible gravel forestry service roads connect Tsay Keh Dene with Mackenzie. These local communities have an active forestry industry as well as a growing mining and exploration industry. Nearby mines include the recently closed Kemess South mine and the newly opened Mt Milligan mine.

Tenure #	Claim Name	Owner (100%)	Expiry Date	Area (Ha)
1024832	Yuen North 1	202429	1 Feb 2018	1734
1024833	Yuen North 2	202429	1 Feb 2018	953

Table 2-1: Tenure listing for the Yuen North property.

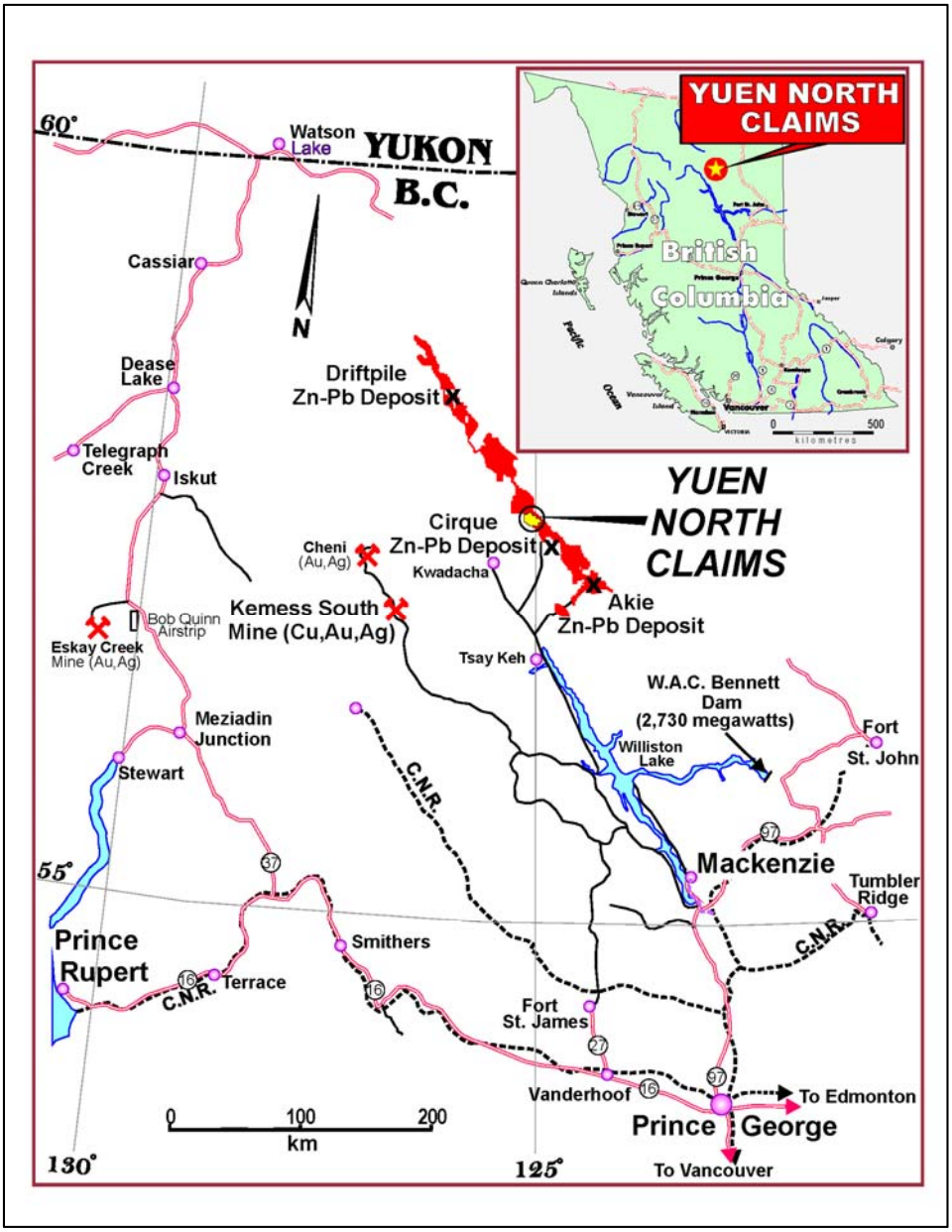

Figure 2-1: Property location map.

The nearest BC Hydro electric transmission power source is the W.A.C. Bennett dam, capable of generating up to 2,730 megawatts of electricity, located on the Peace River approximately 220 kilometres southeast of the property (Figure 2-1). The privately owned Kemess power line runs north from BC Hydro's Kennedy substation, near Mackenzie, to the idled Kemess South mine west southwest of the Yuen North property. The straightline distance from the Yuen North property to the Kemess mine is approximately 150 kilometres. Diesel generators supply electricity to the local villages.

The property and surrounding region is an area of moderate to steep mountainous terrain, ranging between 800 to 2,300 metres above sea level. Mountain tops and ridgelines above the treeline are typically covered by alpine meadows with mosses, lichen and alpine flowers in the summer. Sparsely vegetated talus and

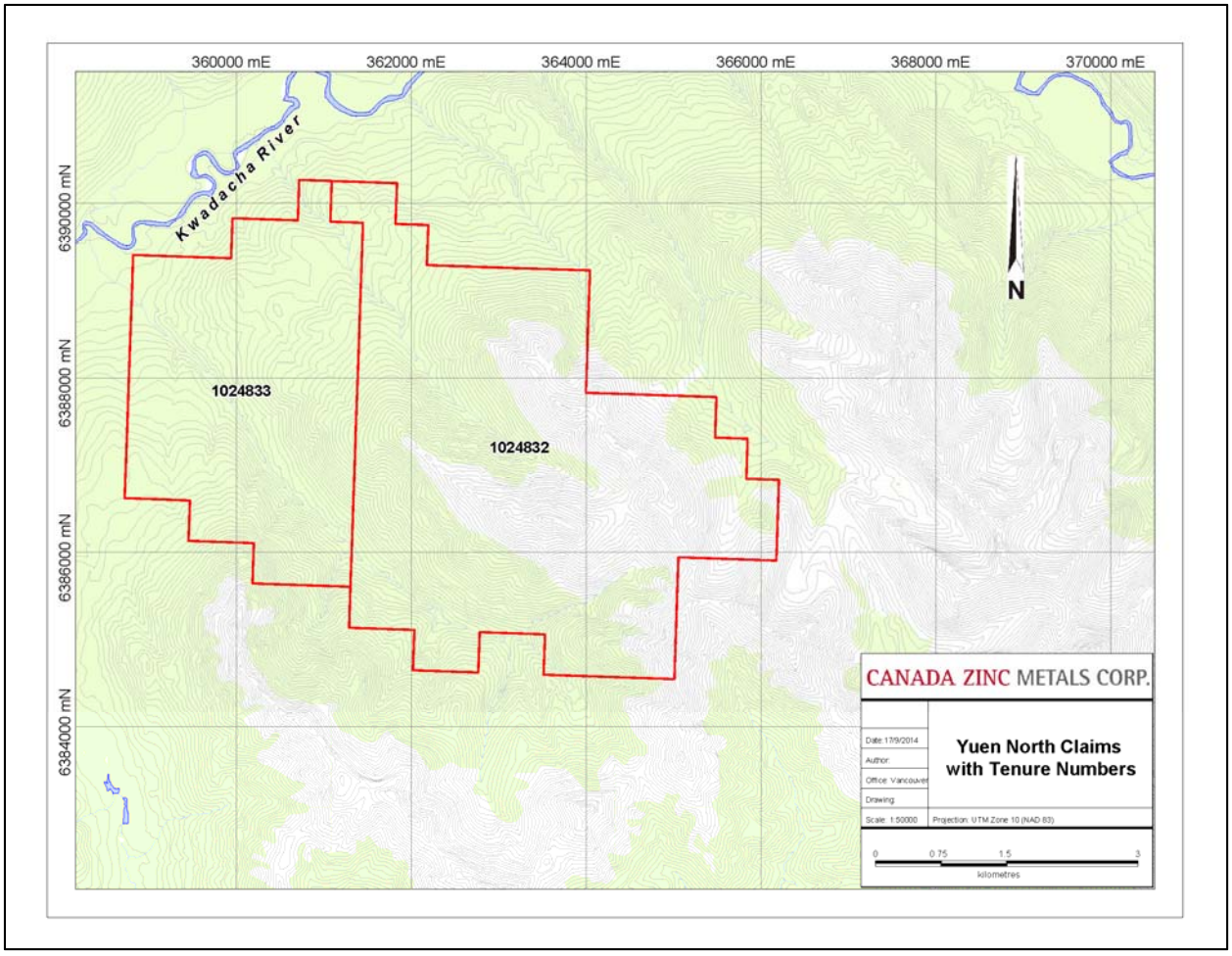

Figure 2-2 Mineral tenure map for the Yuen North property.

scree commonly cover steep slopes. At lower elevations hillsides are thickly forested with a mixture of lodgepole pine and black spruce giving way to willows, alders and black birch in the river valleys.

Northwest – southeast trending ridges predominate, following the dominant geological strike direction, transected by northeast trending drainages such as the Akie, Paul and Kwadacha rivers. In general, northeast facing ridge slopes are generally steep with abundant outcrop exposure while southwest facing ridge slopes tend to dip more moderately and are covered in vegetation.

The climate is influenced by both the Pacific Coast and the Rocky Mountains, resulting in variable, localized conditions for rainfall, snowfall, temperature and hours of daylight. During the summer months temperatures range between +5 to +30 degrees Celsius with moderate rainfall and/or snowfall at higher altitudes. During winter, temperatures can drop to minus 40 degrees Celsius, and can be accompanied by moderate accumulations of snow. The optimal season for field work is from May or June; when valleys become free of snow, through to late September; when winter weather generally returns.

4.0 Exploration History

The exploration history of the Yuen North property is very limited, occurring in the early 1980's. The area was originally staked as the South Kwad property with the initial work conducted by Cominco Ltd. Exploration activities have consisted of grassroots prospecting, sampling and mapping and more recently airborne geophysics. The following table (Table 4-1) outlines a summary of exploration activities that have occurred on the property.

Table 4-1: Yuen North Exploration History

Year	Operator	Exploration Work
1980	Cominco Ltd.	Historical property was staked to cover baritic shales of the Gunsteel Formation. Preliminary mapping was completed and silt and soil sampling conducted.
1981	Cominco Ltd.	Mapping further defined baritic shales of the Gunsteel Formation. Extensive soil sampling program undertaken and litho-geochemical rock samples collected..
1986	Cominco Ltd.	Additional rock sampling conducted.
2011	Canada Zinc Metals Corp.	Airborne VTEM survey flown over the Yuen North property.

5.0 Geology

5.1 Regional Geology

For a comprehensive review of the regional geology of the Akie River district, which includes the Yuen North property, the reader is referred to the 1998 British Columbia Geological Survey, Bulletin 103 entitled *Geology, Geochemistry and Mineral Deposits of the Akie River Area, Northeast British Columbia* by Don G. MacIntyre. The following represents a summary of the information contained within that report.

The Yuen North property is located within the Rocky Mountain fold and thrust belt of northeastern British Columbia and in the central region of the Kechika Trough. The Kechika Trough is interpreted to be the southeastern extension of the large sedimentary Selwyn Basin bounded by the shallow water sedimentary rocks of the Cassiar (west) and MacDonald platforms (east) (MacIntyre, 1998). Situated along the ancestral continental margin of North America, the basin is host to clastic and carbonate rocks ranging in age from the late Cambrian to late Triassic (MacIntyre, 2005) (Figure 5-1). A generalized stratigraphic column of the lithological units summarized below is presented in Figure 5-2.

5.1.1 Windermere Supergroup and Gog Group (Proterozoic to Cambrian)

The oldest rocks exposed in the Kechika Trough are the Proterozoic to early Cambrian coarse grit units thought to be representative of the Windermere Supergroup and the early to late quartzites and massive limestone correlative to the Gog Group (MacIntyre, 2005). These rocks are not exposed in the general vicinity of the property. They are restricted to the northern and northeastern edge of the Kechika Trough and to the immediate west of the property (Gog Group) (MacIntyre, 2005). The grit units of the Windermere Supergroup are thought to act as important aquifers for fluids involved in the formation of sediment and carbonate hosted lead-zinc-silver deposits of the Selwyn Basin and Kechika Trough (MacIntyre, 2008).

5.1.2 Kechika Group (Cambrian to Ordovician)

A thick, approximately 1,500 metre succession of cream coloured to light grey weathered, talcy, phyllitic mudstone and wavy banded nodular (boudinaged) limestone characterize the rocks of the Kechika Group (MacIntyre, 2005; Demerse and Hopkins, 2008). Volcanic activity is marked by the presence of thinly

bedded green weathered tuffs (MacIntyre, 2005) and cross cutting thin felsic dykes within the sediments of the Kechika Group. Kechika Group rocks are prominent in the southern Kechika Trough thinning northwards where they are rare to absent altogether (MacIntyre, 2005).

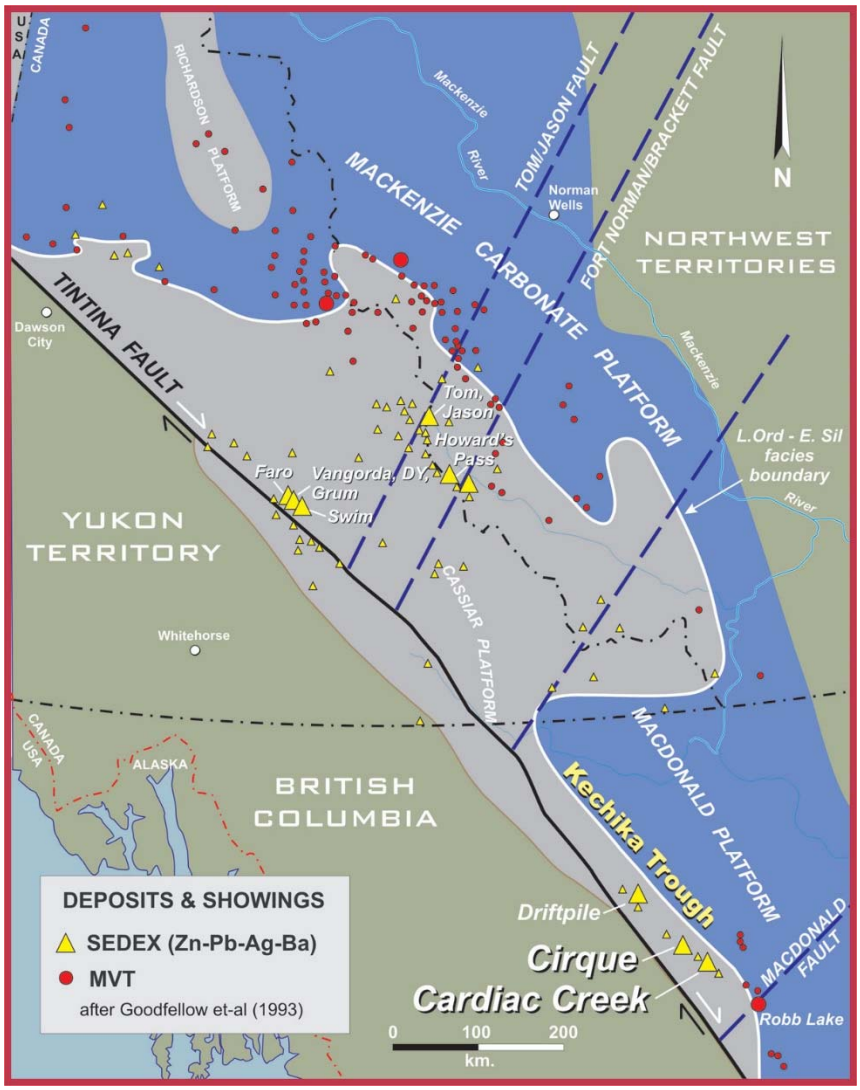

Figure 5-1: Geological setting of the Selwyn Basin and Kechika Trough (modified after Goodfellow et al, 1993).

5.1.3 Skoki Limestone (Ordovician)

Locally, in the vicinity of Pesika Creek and the Kwadacha River (the southern and eastern section of the Kechika Trough, respectively), an approximate 500 metre thick buildup of thinly bedded limestone of Ordovician age overlie the Kechika Group rocks. These rocks are generally absent in the Northern Kechika Trough (MacIntyre, 2005).

5.1.4 Road River Group (Ordovician to early Devonian)

The rocks of the Road River Group unconformably overlie those of the Kechika Group and are represented by a collection of fine-grained clastics, carbonates and minor volcanics of Ordovician to early Devonian age (MacIntyre, 1998). They are pervasive throughout the Kechika Trough and can be informally broken into three distinct groups: the Lower Road River Group, the Ospika Volcanics and the Silurian Siltstone (MacIntyre, 2008). The Road River Group is thought to represent the transition between platformal and marine basinal rocks (MacIntyre, 2008).

The Lower Road River Group is comprised of a basal cream, beige to reddish brown weathered, thin-bedded calcareous siltstone and shale with minor limestone turbidites and debris flows. This siltstone grades up section into a distinct middle to late Ordovician aged black graptolitic shale (MacIntyre, 1998). The graptolite fossil assemblage allows for relatively easy differentiation from the lithologically similar and prospective rocks of the Devonian (MacIntyre, 2008). Locally the shale is interbedded with black chert horizons in the vicinity of the REB massive pyrite lens in the southern Kechika Trough and in the east they are locally interbedded with quartz wackes, arenites and pebble conglomerates.

The Ospika Volcanics are present throughout the central Kechika Trough area (Akie River, Paul River and Ospika River) represented by a series of discontinuous lenses and beds of green mafic flows, microdioritic sills and orange weathered ankeritic crystal lapilli tuffs that are interbedded with the rocks of the Lower Road River Group. It is suggested that based on their orientation these rocks were emplaced along fault structures bounding the basin (MacIntyre, 1998). In 2009, a gabbro/diorite intrusive plug was discovered along the Del Creek which is thought to represent one such possible bounding fault structure as well as the source for the thin lenses of volcanic rocks found in the area (Demerse and Hopkins 2008).

The upper Road River Group is represented by the early to middle Silurian Siltstone and unconformably overlies the Ordovician graptolitic black shale (MacIntyre, 2008). At the base, a 0 to 20 metre thick unit consisting of thin-bedded to cross laminated limestone and dolostone beds is interbedded with laminated grey calcarenite, dark grey dolomitic shale and minor debris flows. To the east the limestone/dolostone beds are commonly interbedded with quartz wacke and arenite and is known as the Silurian limestone. The Silurian limestone is overlain by a 100 to 500 metre thick tan to orange brown weathered dolomitic thin-bedded to platy siltstone with minor orange weathered limestone and dolostone interbeds. The thicker bedded siltstone is commonly bioturbated, containing worm burrows and feeding trails. Minor graptolites and sponge impressions are present in the thinly bedded to platy sections (MacIntyre, 2008).

The last unit of the Road River Group is informally recognized as the Paul River Formation (Pigage, 1986) and consists of deep water marine turbidites comprised of black chert, interbedded black shale with limestone debris flows, and rusty weathered, dark grey to brown weathered silty shale and siltstone (MacIntyre, 2008). In the Akie River area the rusty weathered silty shale partially onlap with the early to middle Devonian Akie and Kwadacha Reefs. These reefs can range up to 200 metres in thickness and are characterized by medium to thick-bedded micritic to bioclastic limestone interbedded with minor shale beds. Locally, to the east, pebble conglomerates directly overlie these reefs (MacIntyre 2008). It is the author's opinion that the Paul River Formation rocks are of the Earn Group based on observations made from the Akie drill core.

5.1.5 Earn Group (Middle Devonian to Mississippian)

Rocks of the Earn Group conformably overlie those of the carbonate reefs as well as the Silurian Siltstone and are characterized by carbonaceous, siliceous shale, cherty argillite, phyllitic shale and coarse quartzose turbidites of Middle Devonian to Mississippian age (MacIntyre, 1998). The Earn Group has been subdivided into three distinct Formations: the Warneford, the Akie and the Gunsteel (Pigage, 1986; MacIntyre, 1998). These rocks are representative of a major marine transgression that halted reef growth,

resulting in the onlapping of fine clastic sediments onto the MacDonald platform to the east (MacIntyre, 1998).

The rocks of the Gunsteel Formation are the oldest within the Earn Group of Middle to Late Devonian age. They weather to a distinctive "gunsteel" silvery blue and are comprised of carbonaceous and siliceous shale, argillite and cherty argillite (MacIntyre, 1998). The Gunsteel Formation is the primary group of prospective rocks within the Kechika Trough hosting the Cirque, Cardiac Creek and Driftpile deposits as well as the Fluke, Elf, Pie and Mount Alcock prospects. Occurrences of laminar pyrite and nodular barite are common and are characteristic of Gunsteel Formation rocks. They are overlain by the Akie Formation characterized by soft, medium to dark grey phyllic shale to silty shale and siltstone which typically weather to a rusty brown, tan or silvery colour (MacIntyre, 1998; Demerse and Hopkins, 2008).

The youngest group of rocks within the Earn Group (the Warneford Formation) are interpreted to be proximal to medial turbidites represented by grey weathered chert pebble conglomerates, quartz wacke and siltstone and are intercalated with the soft shale of Akie Formation (MacIntyre, 1998). The rocks of the Earn Group are present on the Yuen North property.

5.1.6 Triassic Siltstone (Mississippian to Triassic)

The youngest rocks of the Kechika Trough occur in the core of a major northwest trending synclinorium in the area northwest of the Kwadacha River. They are represented by dolomitic siltstone and limestone similar in character to the Silurian siltstone but can be differentiated by the presence of Triassic brachiopods (MacIntyre, 1998).

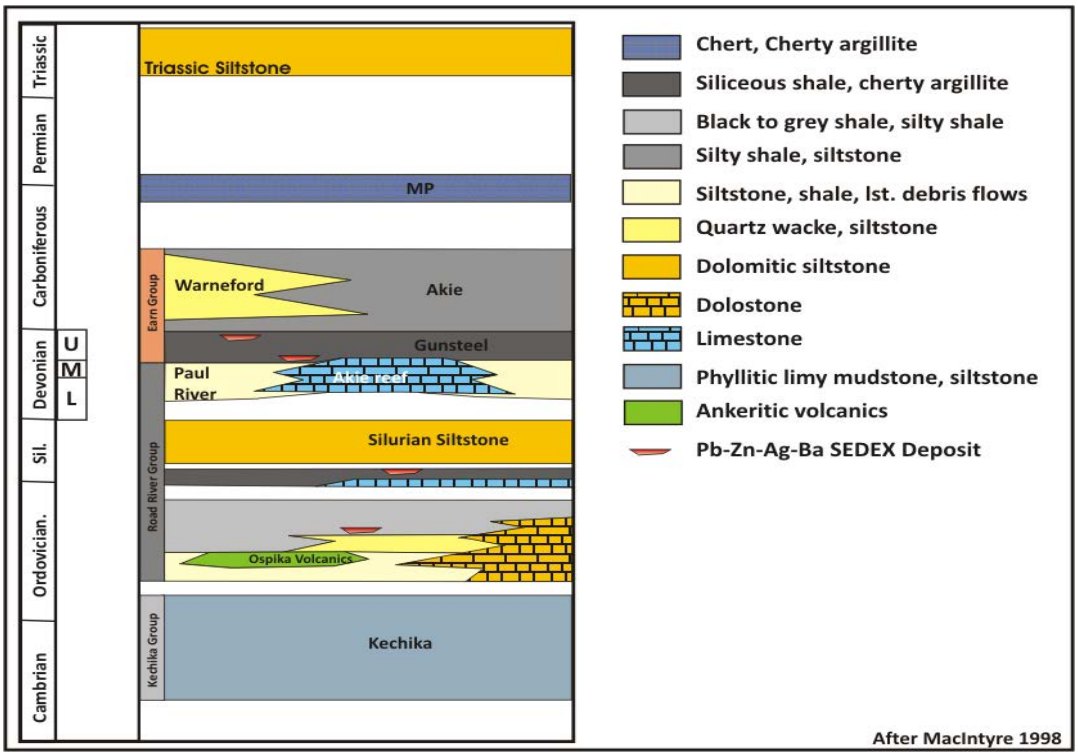

Figure 5-2: Kechika Trough generalised stratigraphic section (after MacIntyre 1998)

5.2 Regional Structure

The following section is an unabridged excerpt from the technical report entitled *Geology, Diamond Drilling and Preliminary Resource Estimation, Akie Zinc-Lead-Silver Property, Northeast British Columbia, Canada* by Donald G. MacIntyre and Robert C. Sim, 2008. The contained information remains current and is applicable to the Yuen North property. The report can be found at www.sedar.com.

"The linear nature of the geology of the Akie River area reflects the "thin-skinned" tectonic style of the Rocky Mountain Fold and Thrust Belt. Northeast-directed compression resulted in detachment of the Paleozoic strata from a rigid crystalline basement and partial stacking of the detached plates along a series of imbricate thrust faults. The thrust plates, which are composed of relatively incompetent basinal facies rocks, have been internally folded during thrusting. In general, incompetent strata below overriding thrust plates have tight isoclinal folds with southwest-dipping axial planes whereas rocks in the overriding plate are asymmetrically folded and often have northeast-dipping axial planes. This style of folding may be related to the development of inversion structures similar to those described by McClay et al., (1989) in the Driftpile Creek area.

The structural style changes from west to east across the map area. In the west, imbricate, southwest dipping reverse faults bound asymmetric overturned folds with southwest dipping to vertical axial planes. To the east, large scale upright folds occur within major synclinoriums that are bounded by outward dipping reverse faults that truncate folds within overriding anticlinoriums. Devonian strata are preserved within the synclinoriums. This structural style suggests that high angle growth faults bounding depositional troughs in Devono-Mississippian time were reactivated during Tertiary compression and became the locus of major thrust faults in the district. That major high angle thrust faults may be localized along much older crustal breaks is also suggested by close spatial association of Paleozoic mineralization, reef building, coarse clastic fans and volcanism to such faults.

Detailed studies of the structure of the Cirque deposit led to the recognition of two coaxial phases of deformation (Pigage, 1986). The earliest deformation, which is recognizable throughout the study area, includes northwest-trending, tight asymmetric folds that verge northeast and have gently dipping southwest limbs and steep to overturned northeast limbs. The steep limbs are often broken and offset by high angle reverse faults, resulting in the juxtaposition of Ordovician and Silurian strata against the Mid- to Late-Devonian Gunsteel formation shale. The high angle reverse faults may coalesce at depth into a major detachment surface possibly rooted in the highly attenuated Kechika Group. Shale typically has a pervasive slatey cleavage that is axial planar to the macroscopic folds; a closely-spaced fracture cleavage is found in the more competent strata.

The second phase of deformation folds the early slatey cleavage and develops a penetrative crenulation cleavage. This cleavage is axial planar to the late folds, which may have an amplitude of up to 30 metres (Pigage, 1986). The folds are open to upright, trend northwest and have northeast convergence. High-angle listric normal and reverse faults are also common in the Akie River area and generally trend parallel or at slight angles to the major high angle thrust faults. These faults are probably related to brittle failure of thrust plates during detachment and thrusting. Displacements of up to several hundred metres have been documented at the Cirque deposit (Pigage, 1986).North to northeast trending high angle faults offset earlier thrust and listric normal faults. Some of these faults have a strike-slip movement and may be synthetic shears related to an oblique compressional stress regime. This compressional event is believed to be Tertiary in age."

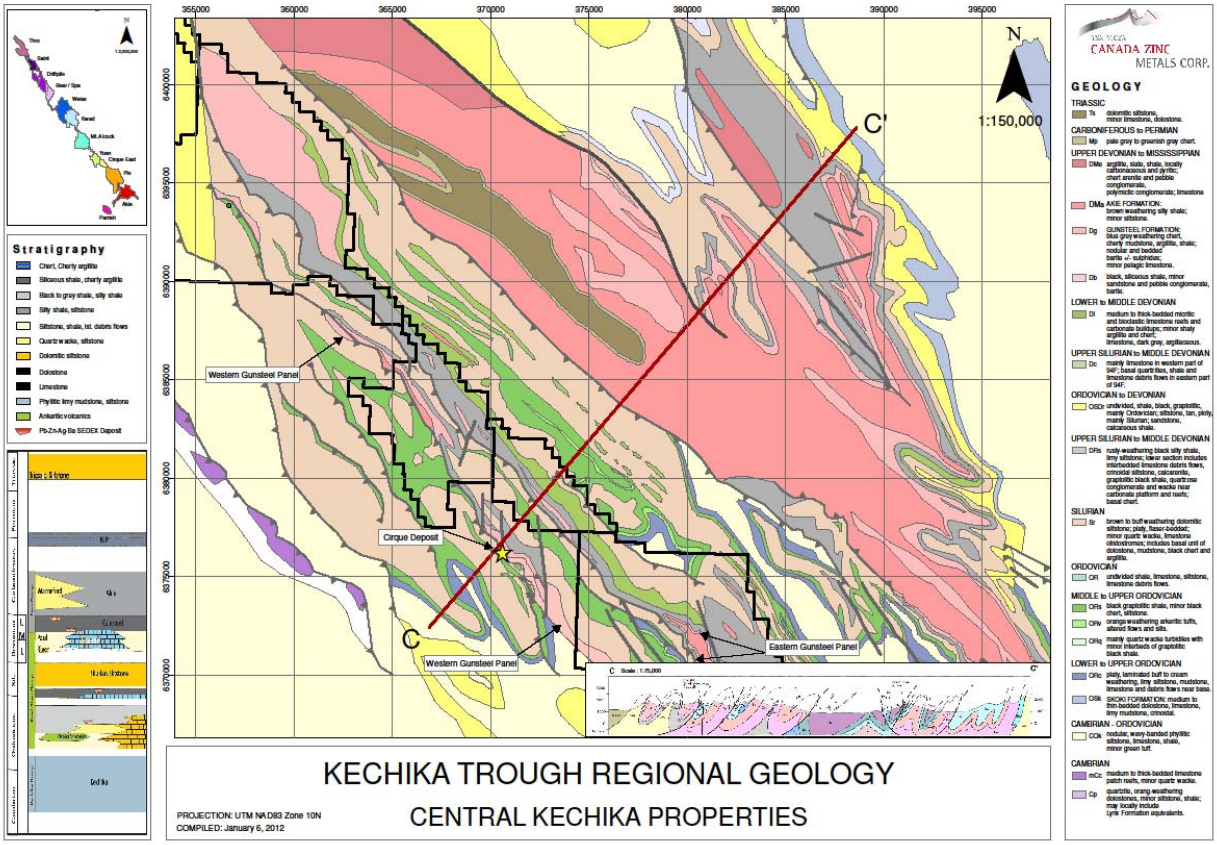

Figure 5-3: Regional geology of the Central Kechika Trough which includes the Yuen North property (after MacIntyre 1998)

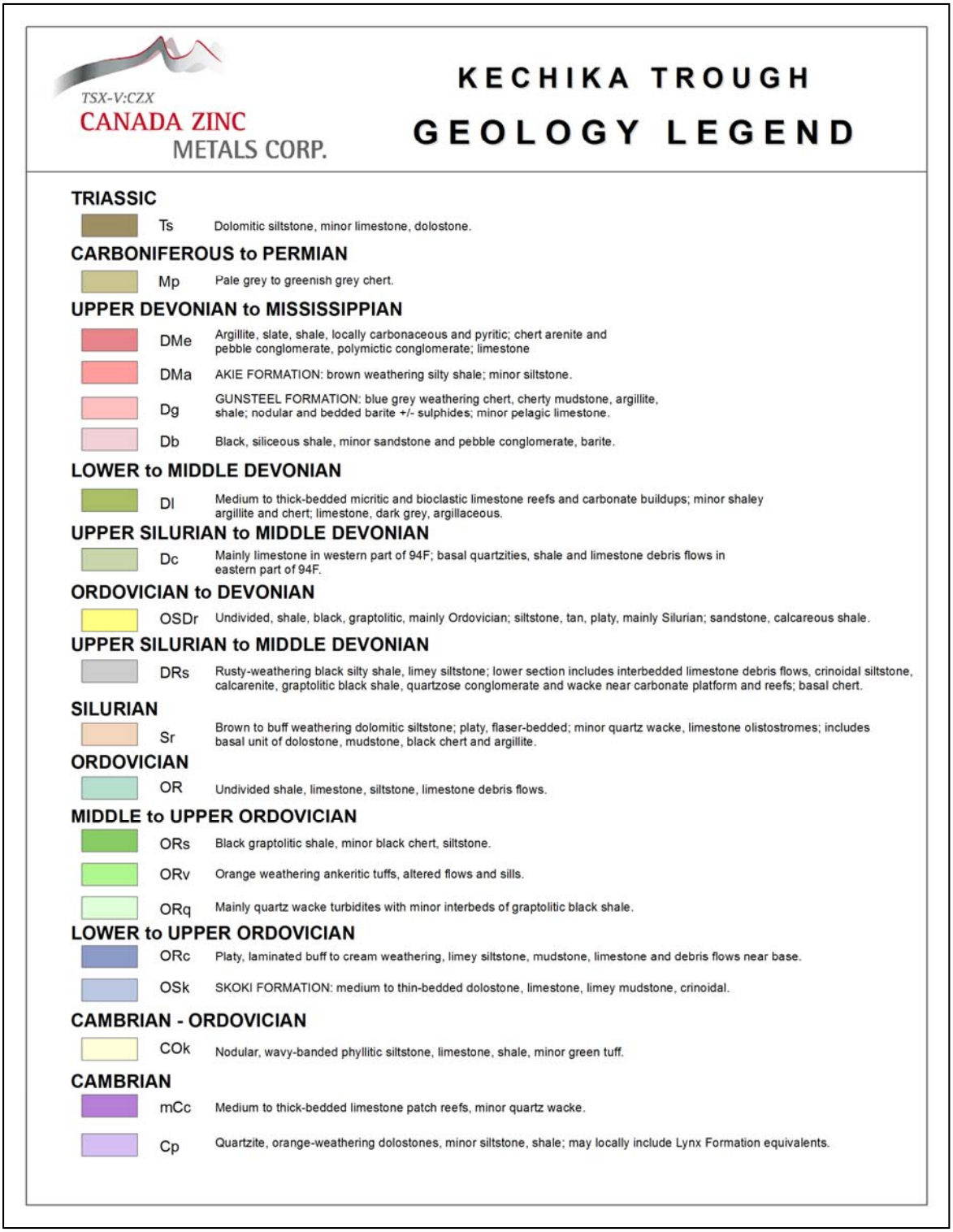

Figure 5-4: Legend for the regional geology displayed in Figure 5-3 (after MacIntyre 1998).

5.3 Property Geology

There has been no detailed property scale mapping completed on the Yuen North property since the 1981 mapping program by Cominco Ltd. Waters (1981) described the geology of the area containing the Yuen North property as:

"The geology of the area is dominated by NE vergent, SW dipping thrust faults probably developed during the Mesozoic Columbian orogeny, which induce the prevalent NW strike and SW dip of most lithologies. The faults have exploited the lithological contacts between the Cambrian, Ordovician, Silurian, Lower Devonian and Upper Devonian and have produced tight folding and strong cleavage in all the clastic lithologies, (limestones show folding only) resulting in an overall tectonic shortening of around 50%. The lithological composition of the Ordovician and Silurian does not vary significantly across the area, but the thrusted lower Devonian sections suggest a progression from limestone reef deposition on an elevated ridge in the east of the claim to a restricted basinal turbiditic shale deposition across the centre of the area. This basinal environment is believed to have controlled the deposition of the Upper Devonian "Gunsteel" shales."

The Earn Group stratigraphy and prospective "Gunsteel" Formation shales appear to be restricted to two thrust repeated panels on the Yuen North property, an eastern and western. The western panel is bound and in thrust contact with the older Road River Group rocks including the Silurian siltstone, limestone and Ordovician graptolitic black shales to the west. The western panel of Earn Group stratigraphy trends NW-SE and contains the various mapped sub-units of the Gunsteel Formation which include, black carbonaceous shales, cherty shales, silty shales, chert grits and baritic to pyritic shales. In general, the Earn Group lithologies of the western panel strike to the southeast and dip moderately to the southwest and are folded into a series of antiforms and synforms. A persistent moderately to steeply dipping cleavage is present across the property that strikes southeast and dips to the southwest paralleling the primary bedding. The western panel is underlain by the Silurian siltstones of the Road River Group which is in thrust contact with the Earn Group rocks of the eastern panel. The western panel is situated directly along strike of the Mt. Alcock barite showing known to contain Pb-Zn-Ag mineralisation to the NW and the Cirque Pb-Zn-Ag deposit to the SE. The eastern panel of Earn Group rocks, also trending NW-SE, is thrust bound by rocks of the older Road River Group to the west and underlain by the fossiliferous limestones of the Kwadacha Reef and the Silurian siltstones of the Road River Group. The eastern panel represents the strike extension of the same thrust panel that is host to the Cardiac Creek Pb-Zn-Ag deposit and Fluke and Elf advanced prospects.

A compiled version of the 1981 geological map presented in Assessment Report 09727 is in Appendix 1.

6.0 Deposit Type & Model

The Cardiac Creek, Cirque, Driftpile, and other Pb-Zn-Ag-Ba occurrences within the Kechika Trough are characterized as sedimentary exhalative (SEDEX) deposits. The following is a summary of this deposit type and its characteristics. For a detailed review of SEDEX deposits the reader is referred to the excellent overview paper of Canadian SEDEX deposits by Wayne D. Goodfellow and John W. Lydon, entitled *Sedimentary Exhalative (SEDEX) Deposits* from the publication *Mineral Deposits of Canada: A Synthesis of Major Deposit Types, District Metallogeny, the Evolution of Geological Provinces, and Exploration Methods* by the Geological Association of Canada, Mineral Deposits Division, Special Publication No. 5.

The Pb-Zn-Ag-Ba deposits and occurrences found within the Kechika Trough (e.g. Cirque, Driftpile and Cardiac Creek), the Selwyn Basin (e.g. Howards Pass, Tom, Jason, Faro and Grum), the Belt-Purcell District (e.g. Sullivan, Ruddock Creek), in Australia (e.g. HY, Century, Mount Isa), and the Brookes Range in Alaska (Red Dog) all share common characteristics and are generally considered to be SEDEX deposits (Goodfellow and Lydon, 2007). Carne and Cathro (1982) popularized the SEDEX deposit type in their early description of the deposits of the Selwyn Basin and Kechika Trough. In general, SEDEX deposits are characterized as a stratiform, tabular body of sulphide mineralisation that is interbedded with its host sediments, typically shales, siltstones and occasionally sandstones. This type of deposit shares many similar characteristics with VMS (volcanogenic massive sulphide) and MVT (Mississippi Valley Type) deposits suggesting a shared genetic link (Goodfellow and Lydon, 2007).

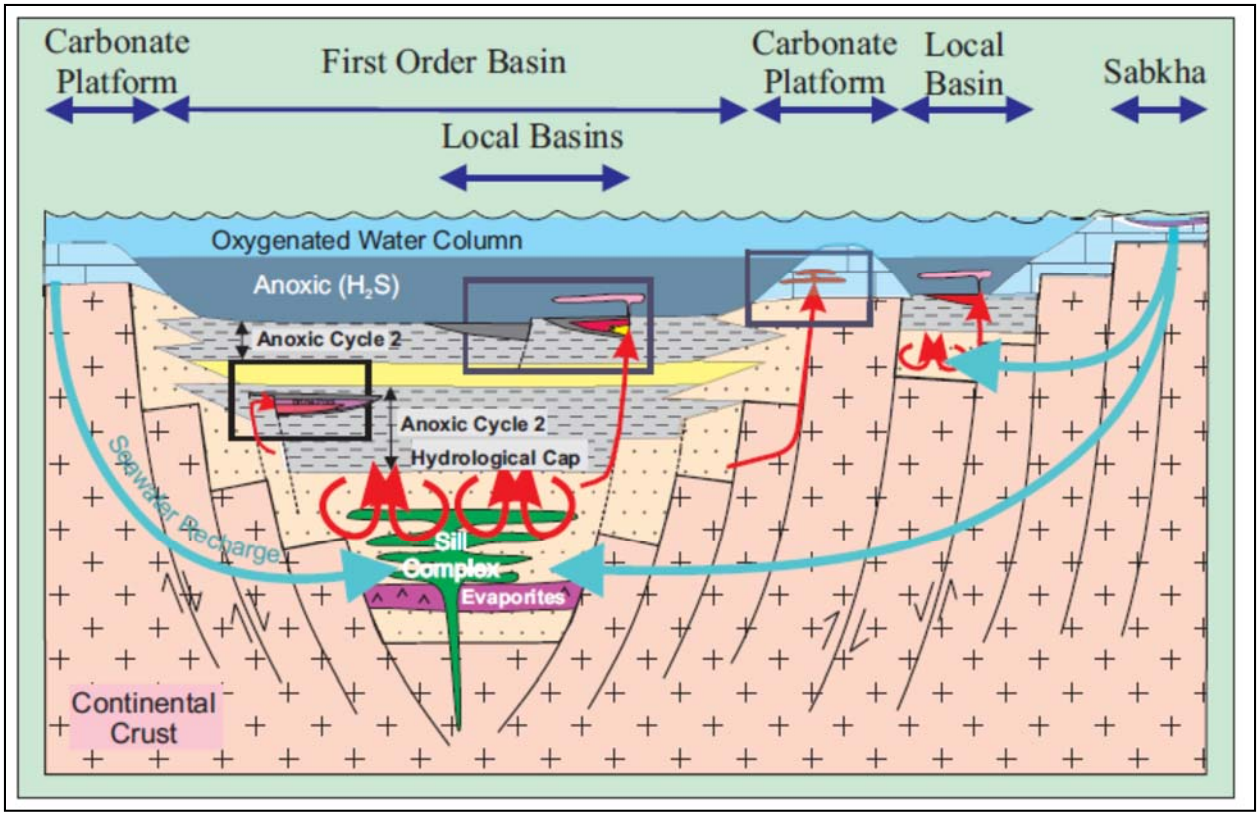

Figure 6-1: Genetic model of SEDEX deposit formation (Goodfellow & Lydon 2007).

Extensive research has been conducted on SEDEX deposits examining the geological characteristics, genetic models and the physiochemical controls (MacIntyre, 2008). This work has resulted in a general consensus regarding the formation of SEDEX deposits within the Selwyn Basin and Kechika Trough. It is

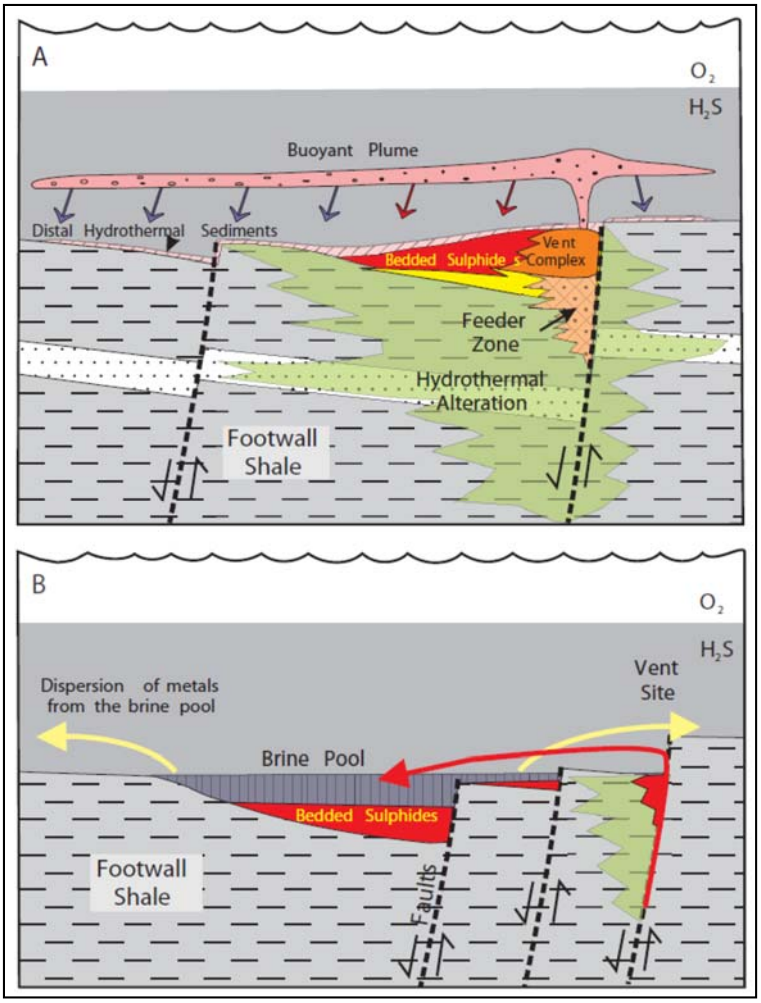

Figure 6-2: Vent-proximal and vent-distal sub-type of Selwyn Basin SEDEX type deposits (Goodfellow & Lydon 2007).

generally thought that these SEDEX deposits are formed from the precipitation of sulphide and sulphate minerals from metalliferous brines exhaled out onto the seafloor along re-activated rift faults that are generated by rapidly subsiding graben or half-graben structures (MacIntyre, 2008; Goodfellow and Lydon, 2007). The metal-bearing fluids are likely derived from dewatering of fine to coarse grained clastic sediments or carbonate hydrothermal reservoirs (Goodfellow and Lydon, 2007) where leaching has scavenged the zinc and lead and other elements (Figure 6-1). In the Selwyn Basin and the Kechika Trough the coarse clastic grits of the Windermere Super Group are thought to have acted as the hydrothermal reservoir for the mineralizing fluids (MacIntyre, 2008).

Goodfellow and Lydon (2007) recognized two sub-types of SEDEX deposits: vent-proximal and vent-distal. The two type of deposits result from either a buoyant metalliferous brine that precipitates sulphides in close proximity to the source fault structure or a bottom hugging brine that precipitates sulphide mineralization within localized third order basins at a distance from the source fault structure (Figure 6-2). Examples of the vent-proximal deposits include Sullivan, Tom, Jason and Rammelsberg and are characterized by four distinct features including: bedded sulphides; a recognized vent complex; a stringer zone; and distal hydrothermal sediments (Goodfellow and Lydon, 2007). Vent-proximal deposits are typically wedge-shaped, exhibiting a moderately high aspect ratio of length versus thickness. In contrast, vent-distal deposits have well-bedded sulphides, are generally weakly zoned and their morphology conforms to the local basin. This type of deposit is typically tabular to sheet-like in nature with very high aspect ratios (Goodfellow and Lydon, 2007).

Typically, SEDEX deposits are hosted in basinal marine sediments such as fine-grained clastics, carbonaceous chert and shale. In some cases, the shale can be interbedded with turbiditic siltstone and sandstone and localized coarse grained sediments (Goodfellow and Lydon, 2007).

The mineralogy associated with this type of deposit is relatively simple with pyrite, sphalerite, galena and barite being most common. Associated with these minerals are a suite of elements that may include: Fe, Mn, P, Ca, Mg, Hg, Cd, As, Sb, Se, Sn, Ga, Bi, Co, Ni, and Tl (Goodfellow and Lydon 2007). Typically the gold content of this type of deposit is quite low; however, deposits found in Anvil district (Vangorda, Dy) of the Selwyn Basin in the Yukon territory contained mineable grades of the precious metal

(Goodfellow and Lydon, 2007). These elemental enrichments commonly exhibit a refined zonation across many of the deposits allowing specific ratios to be utilized as exploration tools guiding exploration towards possible source vents and economic deposits (Goodfellow and Lydon, 2007). Common metal ratios include: Zn/Pb, Pb/Ag, Cu/(Pb+Zn), Pb/(Pb+Zn), Fe/Zn, Ba/Zn and SiO2/Zn (Goodfellow and Lydon, 2007).

7.0 Exploration Program

7.1 Introduction

The 2014 exploration program on the Yuen North property was based out of a trailer camp located at the 24.5 kilometre mark of the Akie mainline forestry service road. The camp is situated in an old Canfor forestry cut block (Plate 7-1). The seasonal camp can accommodate up to a maximum of 50 people and re-opened in early June to support the drilling program occurring concurrently with exploration on the Yuen North property. A couple of reconnaissance flights of the property were conducted on the 12th and 18th of June to inspect snow loads in the vicinity of the planned work. The field program began on the 26th of June and continued until the 4th of July. The camp was closed and winterized on 20th of July. Exploration personnel for the duration of the program consisted of seven people.

An expediter in Mackenzie provided logistical support for the camp, arranging the shipment of major supplies. Minor supplies were obtained locally from the village of Tsay Keh Dene located at the northern end of the Williston Lake reservoir. There were a variety of contractors on site providing services to the program. The key contractors are listed below.

- **Coast Mountain Geological Inc.:** Provided logistical support and technical staff such as geologists and geotechnicians.
- **Yellowhead Helicopters:** Provided helicopter support to the project.
- **ESS:** Provided catering and management services for the camp.
- **Kwadacha Natural Resources LP and Chu Cho Industries LP:** Provided field assistants and local labour services.

Plate 7-1: Akie camp photograph (Photo by G. Graham 2011)

Claimed expenditures on the Yuen North property during the 2014 exploration program total $55,906.77 spent primarily on the soil sampling program. The breakdown of these costs can be found in Section 12.0 Statement of Expenditures.

7.2 Program Objectives

The 2014 exploration program on the Yuen North property consisted of a small soil sampling program focused on the confirmation, infill and expansion of the historical soil anomalies defined over the western panel of Earn Group stratigraphy.

7.3 Field Protocol

The field procedures implemented during the course of the 2014 exploration program are outlined below

7.3.1 Sampling Procedures

Soil samples were collected at 50 metre stations along a series of regularly spaced lines across the western panel of Earn Group stratigraphy on the Yuen North property. An approximate 500 gram sample was collected from the B soil horizon, if possible, after the removal of humus and other overburden and placed into a paper Kraft bag. Soil samples were marked in the field with fluorescent flagging tape tied nearby and each sample was GPS located and described. Bags were then sealed and transported to camp in clear polypropylene bags. Once in camp, soil sample bags were hung to dry. Once dry, the soil samples were laid out in order and bundled together in approximate groups of 20 and placed into a clean and clear polypropylene plastic sample bag. The samples were packed in such a manner to give the sample bag a brick like shape and taped shut. Two or three bricked bundles were then placed into large rice bags and sealed with a zap strap ready for shipment to the laboratory.

Grab rock samples of key lithologies and outcroppings of interest were collected, described, and placed into a clear polypropylene sample bag. Each sample was GPS located and given a sample tag, also placed in the bag and sealed with flagging tape. In camp samples were properly sealed with zap straps and placed into a large rice bag with 5 to 10 samples in each bag. The rice bags were sealed with zap straps and ready for shipment to the laboratory.

7.3.2 Analytical Procedures

Acme Analytical Laboratories Ltd., now a Bureau Veritas Commodity Canada Ltd. company, analyzed all of the 2014 soil and rock samples. The laboratory is located at 9050 Shaughnessy St. in Vancouver, British Columbia. The Vancouver facility is an ISO 9001 and ISO/IEC 17025:2005 accredited laboratory.

<u>Soil Samples</u>

The preparation of all soil samples were completed using Acme's SS80 package which involves drying the samples at 60 degree Celsius and sieved using an 80 mesh screen. The screens are cleaned by brush and compressed air between samples. After preparation, a number of analytical packages were conducted on the samples.

All samples were analysed using Acme's AQ250-EXT package (Group 1F legacy code). A 0.5 gram sample is taken from the sieved material and digested with a modified Aqua Regia solution consisting of equal parts of concentrated HCL, HNO3, and DI H2O in a heating block or a hot water bath. The sample is made up to a volume of dilute HCL and analysed for a suite of 54 elements using inductively coupled plasma

emission spectrometry (ICP-ES) as well as inductively coupled plasma mass spectrometry (ICP-MS). The key elements are Pb, Zn, Ag, Tl, and Fe. Due to the insoluble nature of barite whole rock analysis was completed using Acme's LF300/302 package (Group 4A legacy code). This involves a total fusion of a 0.2 gram split of the pulp using a lithium metaborate flux followed by digestion in dilute nitric acid. Subsequent analysis by inductively coupled plasma emission spectrometry (ICP-ES) returns a suite of 11 major oxides and 9 elements. The key element of interest was barium (Ba) with a lower detection limit of 5 ppm and an upper limit of 50,000 ppm.

Rock Samples

All rock samples were prepared using Acme's PRP70-250 package which involves crushing the samples to the point where 70 % of the material passes through 10 mesh (2mm) sieve. A 250 gram sub-sample is then pulverized to 85 % passing through a 200 mesh (75 microns). The crusher and pulveriser are cleaned by brush and compressed air between routine samples. The equipment is also cleaned after any high grade samples, changes in rock colour and at the end of each sequence of samples with a granite/quartz wash.

All samples were analysed using the same analytical packages described above. For litho-geochemical purposes the entire suite of 11 oxides and 9 elements were reported on from the LF302 package.

Sample Security and QA/QC

All samples were stored and kept dry in a canvas tent located in close proximity to the office trailer to await transportation. Prior to shipping, the contents of each rice bag are catalogued and weighed. A copy of the analysis forms and the shipment catalogue are placed in the first bag of the shipment. Additional copies of the forms are sent to the lab in advance of a sample shipment and a copy is kept in camp for sample tracking purposes. The samples are then shipped backhaul via Gautier Ventures to Mackenzie and temporarily stored under the supervision of the camp expediter, Vicki Podgorenko. From Mackenzie the samples are then shipped to Acme Analytical Laboratories in Vancouver via bonded carriers such as Canadian Freightways and Liberty Transport.

Acme Labs implement a strict QA/QC program beginning at the sample preparation stage with cleaning in between each sample as mentioned above. During analysis, the lab utilizes a series of analytical blanks, duplicates and standards that are regularly inserted into the sample stream to monitor analytical precision, accuracy and variations within the samples. Prior to release each job is rigorously reviewed and validated by a certified assayer. Using Acme's online "Lims" system the client can monitor the progress of a given sample batch from arrival, preparation through to analysis. The certificates are delivered via email in Pdf format and the data is also provided in spreadsheet .csv format. Copies of these certificates and spreadsheets are archived on the Lims system, accessible by the client at any time.

7.4 Soil Sampling Program

The 2014 soil sampling program was conducted within a NW-SE trending river valley, the adjacent saddle and a west-facing cirque that is centrally located on the Yuen North property. The grid consisted of thirteen NE-SW trending 400 or 200 metre spaced lines oriented perpendicular to the trend of the topography and known geological strike. Samples were collected every 50 metres. The 400 metre spaced lines covered the known soil anomalies and the 200 metre spaced lines at the SE end of the grid provided infill and expansion coverage. A total of 222 samples were collected. Due to the poor development of the soil profile, samples were collected from a variety of horizons including A, B, C and soils mixed with talus where a soil profile was not present. Maps displaying sample locations and key elements along with a table of results is presented in Appendix 2. The analytical certificate is presented in Appendix 4.

The target of the planned sampling was the western panel of Earn Group stratigraphy that transects the property, host to a number of mapped barite horizons (Appendix 1), and is situated along strike from the Mt. Alcock Main Barite showing to the northwest (Plate 7-2) and the Cirque deposit to the southeast (Plate 7-3). Previous work had outlined a linear 2.8 kilometre long by 250 metre wide Ba anomaly which contained localized Pb anomalies and a 1 kilometre long by 150 wide Zn anomaly with corresponding elevated Ag values.

Plate 7-2: Soil sampling grid on Yuen North property looking NW towards Mt. Alcock. (Photo by N. Johnson 2014)

Plate 7-3: Soil sampling grid on the Yuen North property looking SE towards Yuen and Cirque properties. (Photo by N. Johnson 2014).

7.4.1 Results

The historical soil sampling programs focused strictly on Pb, Zn, Ba with some Ag analyses. Samples from the 2014 program were analysed for a suite of 54 elements with the key elements being Pb, Zn, Ag, Tl, Fe and Ba. Some basic statistics for the key elements of interest are summarized in the Table 7-1 below.

Element	Samples (n)	Population (~)	Mean (ppm)	Std Dev (ppm)	90% (ppm)
Pb	222	Bimodal (?)	36	31	76
Zn	222	Normal	342	382	831
Ag	222	Left Skewed	807 (ppb)	700 (ppb)	1703 (ppb)
Ba	222	Left Skewed	4274	4521	10,068
Fe	222	Normal	2.21 (%)	1.60 (%)	4.26 (%)
Tl	222	Left Skewed	0.84	1.29	2.49

Table 7-1: Summary of basic statistics from the 2014 soil sampling program.

A general comment regarding the statistics is necessary. Due to the lack of a well-defined soil profile across the sampled grid the statistics presented above are not representative of a single preferred soil horizon but rather represent the sample set as a whole with samples taken from several soil horizons. Despite this limitation some general observations can be made. A brief description of the results for each of the key elements is presented below.

ESRI's ArcView software package was used to generate the contours and interpretive rasters presented in Figures 7-2 to 7-10. Interpolation of the key elements was conducted utilizing the software's nearest neighbor technique producing a raster image bounded strictly to the 2014 soil grid. No extrapolation of information was allowed beyond the defined edges of the soil grid. Contours of a specified value were then extracted from the raster images and displayed.

Lead

The Pb population from the 2014 dataset appears to display a possible bimodal distribution with a second population centered on ~100 ppm (Figure 7-1), however the data to support this conclusion is limited and larger population of soil samples would be required to determine its validity. The second population does however coincide with the 90th percentile value of 76 ppm. Alternatively, this second population may simply represent samples taken from one of the other soil horizons, which is a strong possibility.

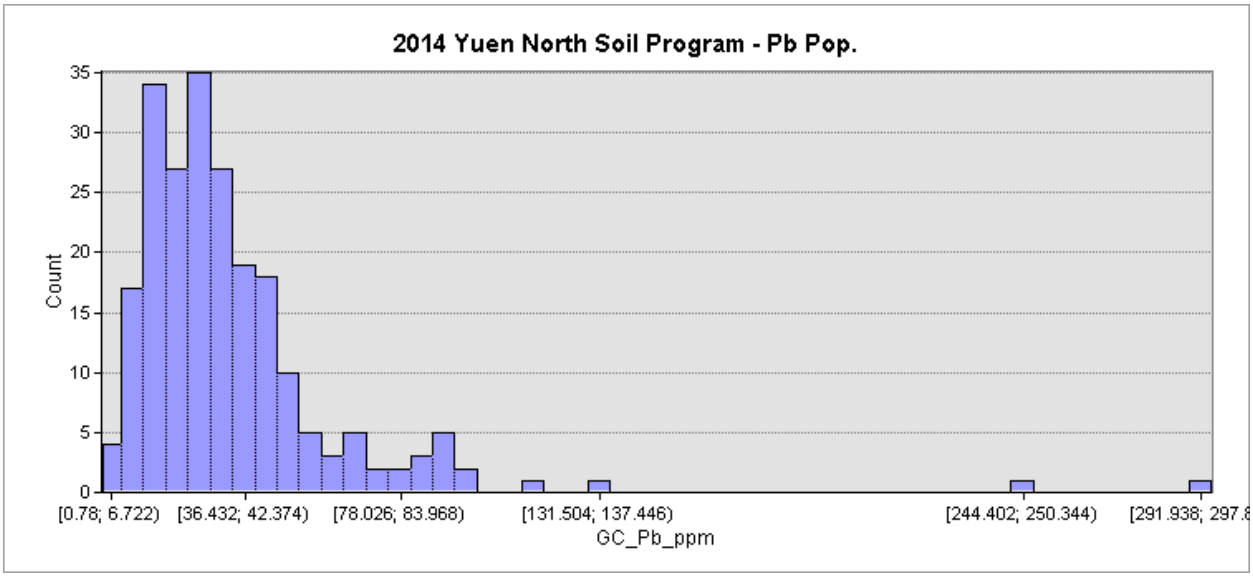

Figure 7-1: Pb population distribution with possible second population above 75 ppm.

An examination of the Pb data across the soil grid indicates the presence of three distinct areas of elevated values (Figure 7-2). The first, and most prominent, trend is linear in nature extending for approximately 2 kilometres across much of the grid and appears to be open ended along the western edges. Values range from the 60th percentile value of 44 ppm up to 247.24 ppm. The second trend is also linear extending across five lines for approximately 800 metres and is located within a west-facing cirque along the western edges of the grid. It appears to be open ended. Lead values range from the 60th percentile value of 44 ppm to a maximum of 132.46 ppm. The third area is a single station soil sample located in the central portion of the grid with a value of 98.8 ppm surrounded by numerous samples above the 60th percentile value of 44 ppm. Elsewhere on the grid there is a scattering of elevated values that demonstrate little continuity. A detailed map with all of the Pb values is presented in Appendix 2. The analytical certificate is presented in Appendix 4.

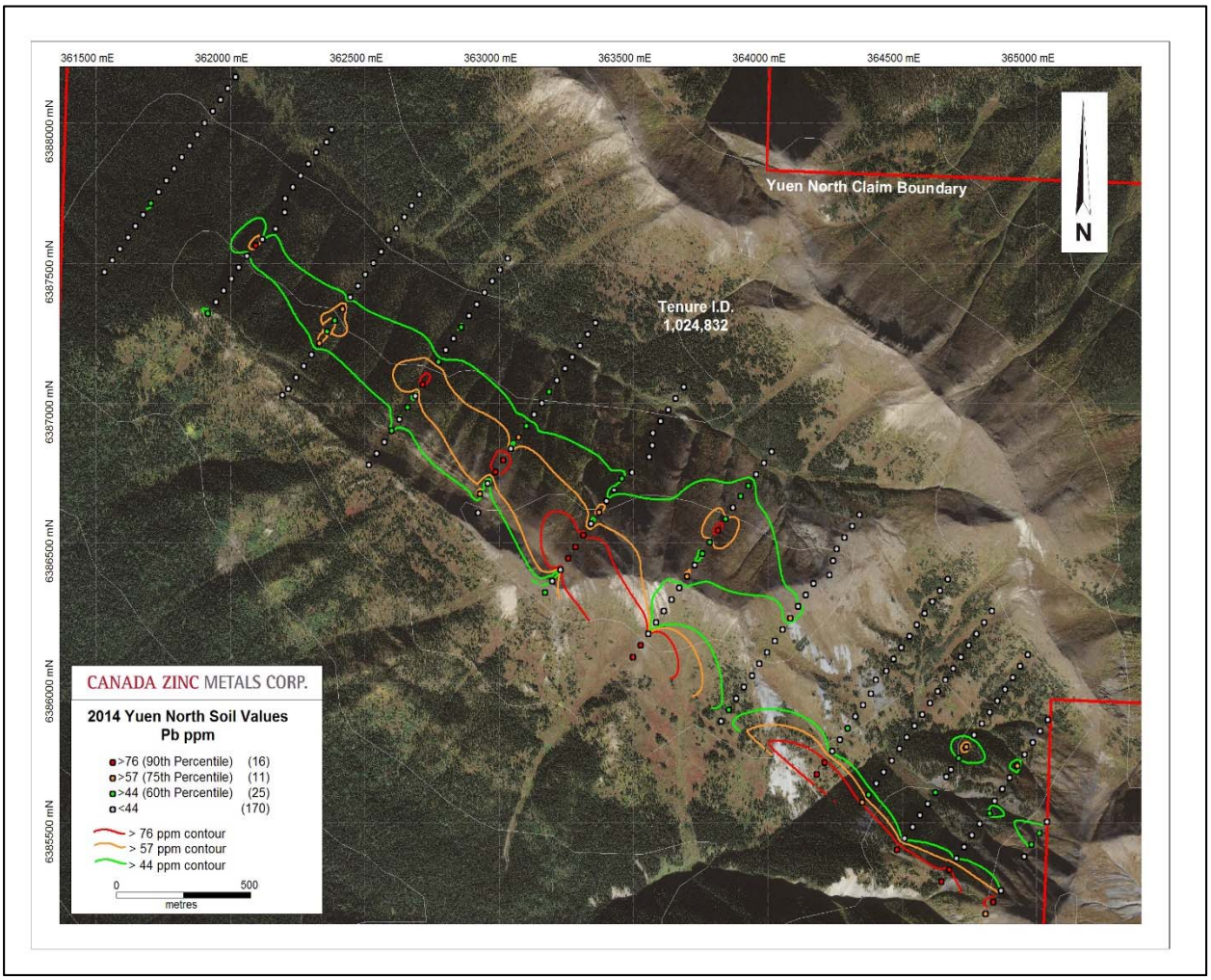

Figure 7-2: Interpolation of the 2014 Pb soil results.

Zinc

Zinc values across the grid display similar trends to the Pb values (Figure 7-3). A prominent linear trend extends across the central portion of the grid for approximately 2.4 kilometres with Zn values ranging from the 60th percentile value of 439 ppm up to a maximum of 2,484.1 ppm. This trend is coincident with the trend observed in the Pb values. There are a couple of single station values situated near the valley bottom along the eastern edges of the grid that show some continuity across two lines with values of 1,968.9 and 1,697.8 ppm . A single station sample located in the cirque along the southeastern portion of the grid with an elevated Zn value of 1,321.1 ppm is coincident with the Pb trend. Elsewhere on the grid the Zn values are scattered demonstrating little continuity. A detailed map with all the Zn values is presented in Appendix 2. The analytical certificate is presented in Appendix 4.

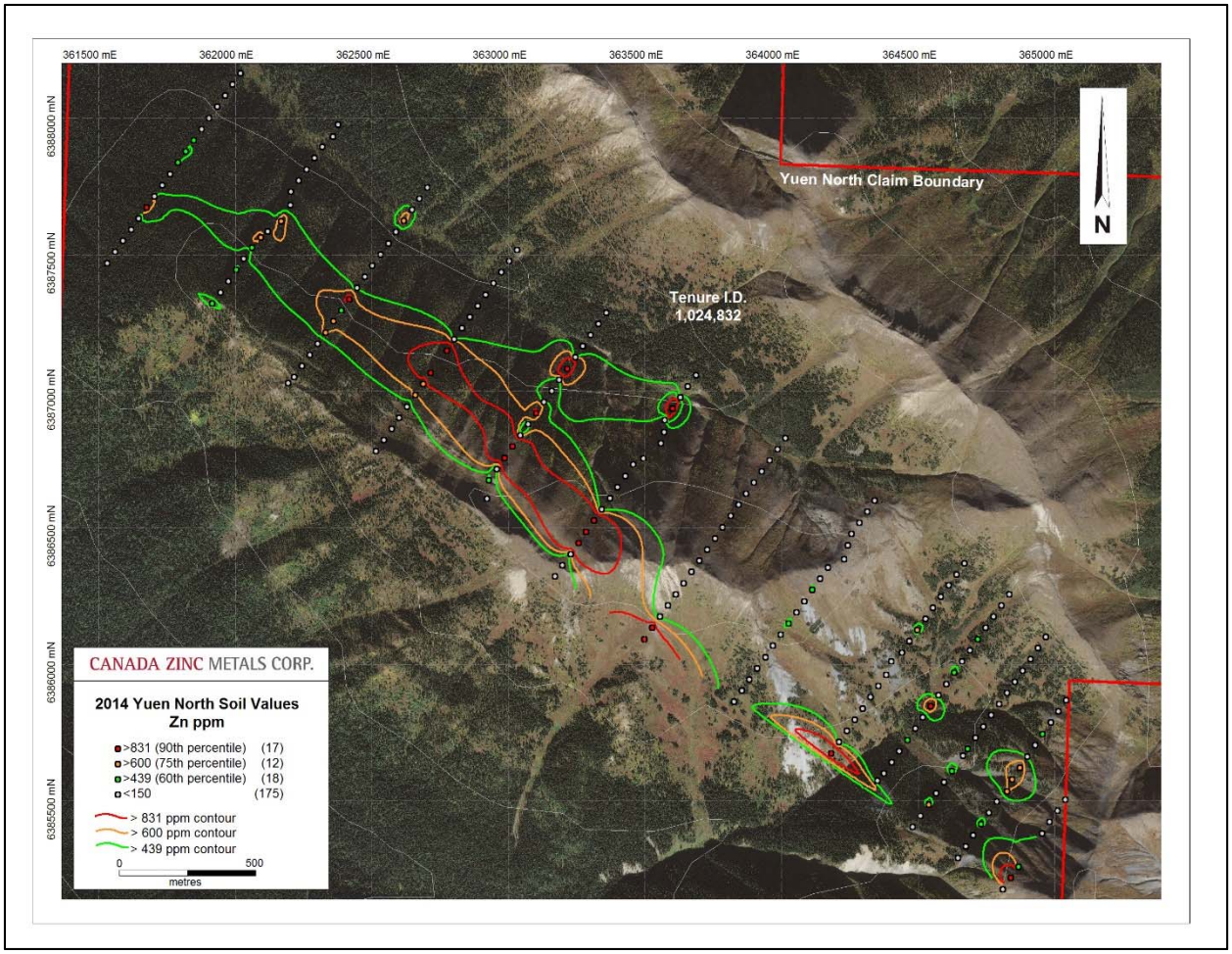

Figure 7-3: Interpolation of the 2014 Zn soil results.

Silver

There appears to be two distinct areas of elevated Ag values on the grid (Figure 7-4). The main linear trend, mimicking Pb and Zn, extends across the main portion of the grid covering 2.2 kilometres with values ranging from the 60th percentile of 984 ppb up to a maximum of 4,318 ppb (4.3 ppm). The second is a wide, roughly linear area located along the southeastern edges of the grid extending over six lines. Silver values range from the 60th percentile of 984 ppb up to a maximum of 5,127 ppb (5.1 ppm). The second area appears to be open ended on the southeastern and western edges and roughly coincides with the Pb and Zn trends observed in this area. A detailed map with all the Ag values is presented in Appendix 2. The analytical certificate is presented in Appendix 4.

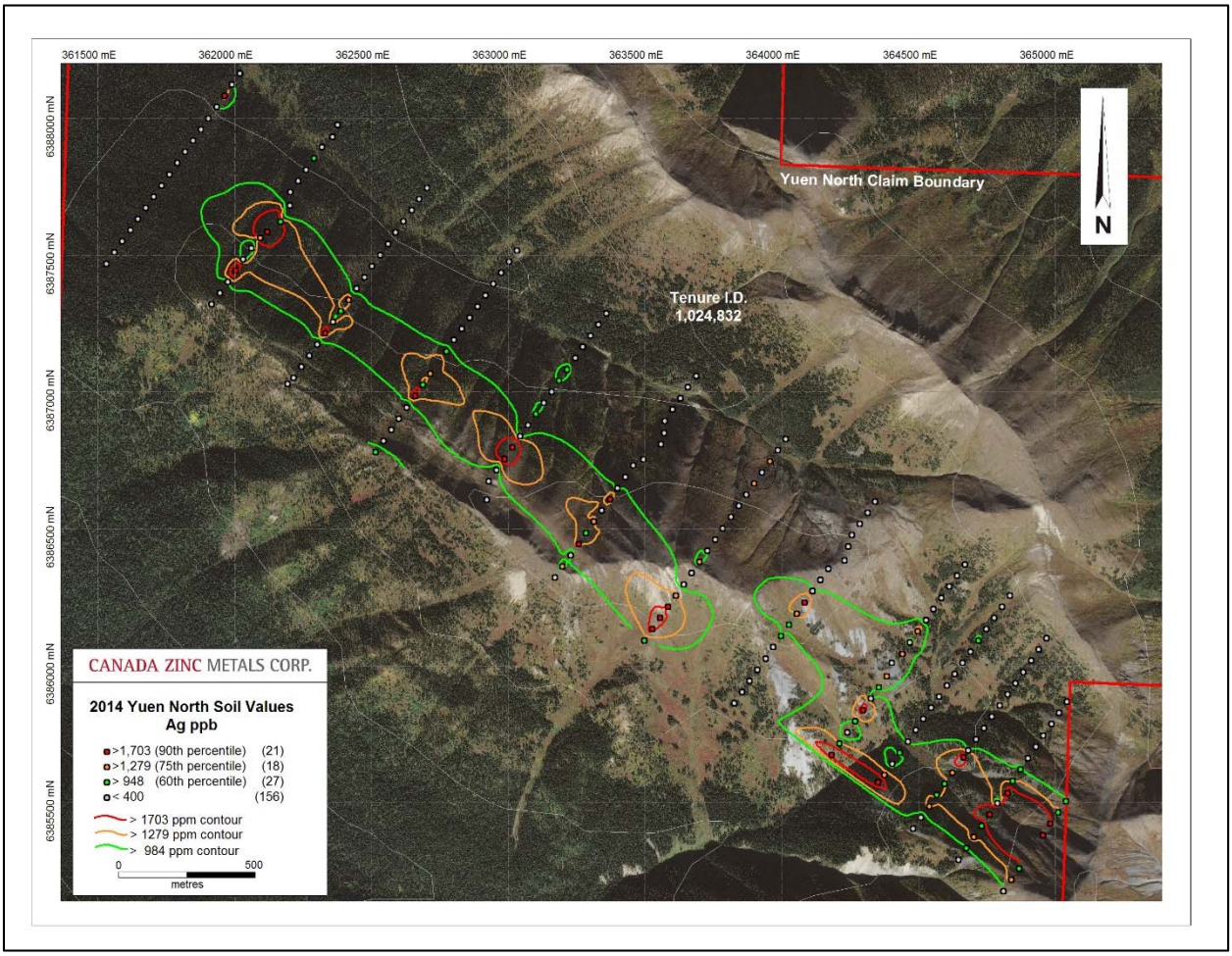

Figure 7-4: Interpolation of 2014 Ag results.

Thallium

Thallium, a known trace element of the Cardiac Creek deposit has a somewhat contrasting response compared to the other elements (Figure 7-5). There is a roughly linear area of elevated values covering five lines along the western edges of the grid in the southeast. This area is roughly 800 metres long and 150 metres wide with values ranging from the 60th percentile of 1.17 ppm up to a maximum of 14.81 ppm. This area is coincident with the larger Ag and smaller Pb and Zn areas described previously. The prominent Pb, Zn, and Ag trend observed across the main portion of the grid is poorly defined by Tl values slightly above background. In central portion of the grid there is a multi-station area with a weakly defined linear trend with values ranging from the 60th percentile of 1.17 ppm up to a maximum of 2.99 ppm. A detailed map with all the Tl values is presented in Appendix 2. The analytical certificate is presented in Appendix 4.

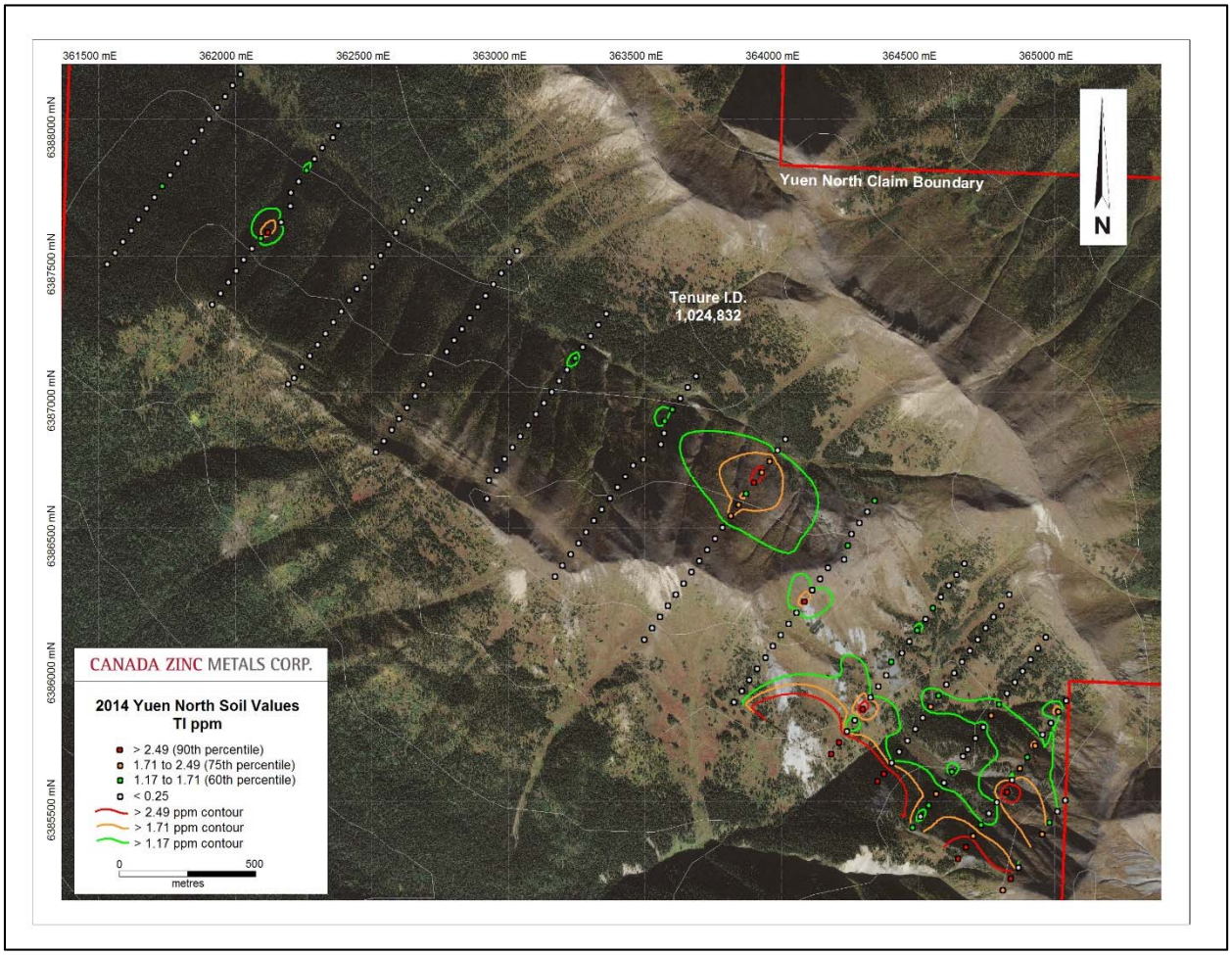

Figure 7-5: Interpolation of the 2014 Tl results.

Iron

The Fe response is quite similar to Tl with two distinct areas of elevated values (Figure 7-6). The first is coincident with the Pb, Zn, Ag, and Tl response in the southeastern portion of the grid along the western edge and situated in the valley bottom of a west facing cirque. Iron values range from the 60th percentile of 2.62 % up to a maximum of 11.62 %. A three line linear trend of elevated Fe values defines the second area that is located and runs parallel to the valley bottom. Values ranges from the 60th percentile of 2.62 % up to a maximum of 14.52 %. This trend is coincident with the Tl response and several isolated values of Pb, Zn and Ag. The prominent Pb, Zn, Ag linear trend across the central portion of the grid is very poorly defined by values slightly exceeding background. A detailed map with all the Fe values is presented in Appendix 2. The analytical certificate is presented in Appendix 4.

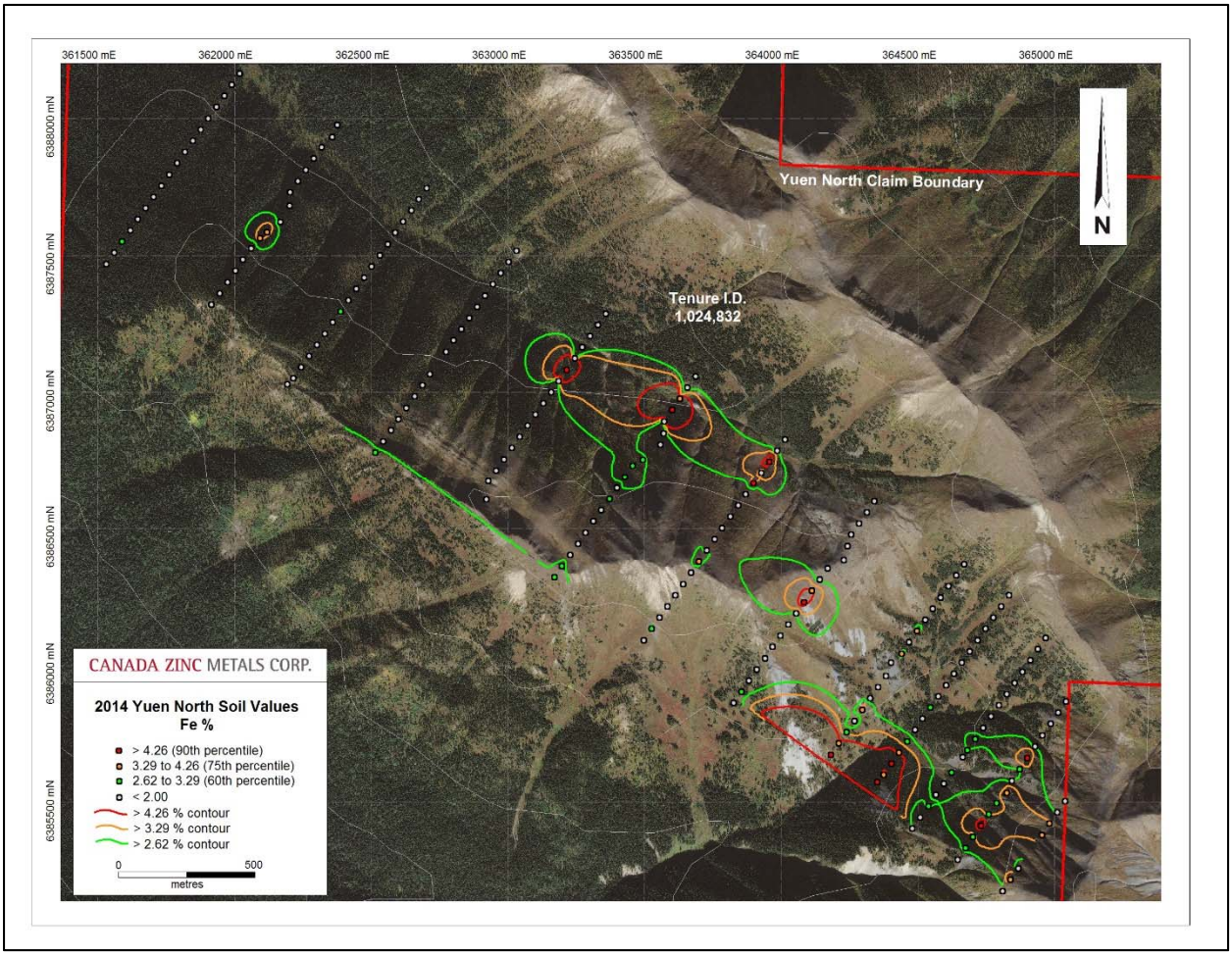

Figure 7-6: Interpolation of the 2014 Fe results.

Barium

There appears to be two distinct areas of elevated Ba values across the grid. The first is a very strongly defined linear trend extending across almost the entire grid for 2.8 kilometres that is situated along the eastern edges of the grid running parallel to the valley bottom. At the northwest end of the grid it appears that a weaker secondary trend merges with the main trend at an angle and is coincident with the prominent trend defined by Pb, Zn and Ag. Ba values range from the 60th percentile value of 5,419 ppm up to a maximum of 27,736 ppm (2.77 %). The second area is located in the southeastern portion of the grid along its western edges and is coincident with the area defined by Pb, Zn, Ag, Tl, and Fe. Values range up to a maximum of 21,619 ppm (2.16 %). A detailed map with all the Ba values is presented in Appendix 2. The analytical certificate is presented in Appendix 4.

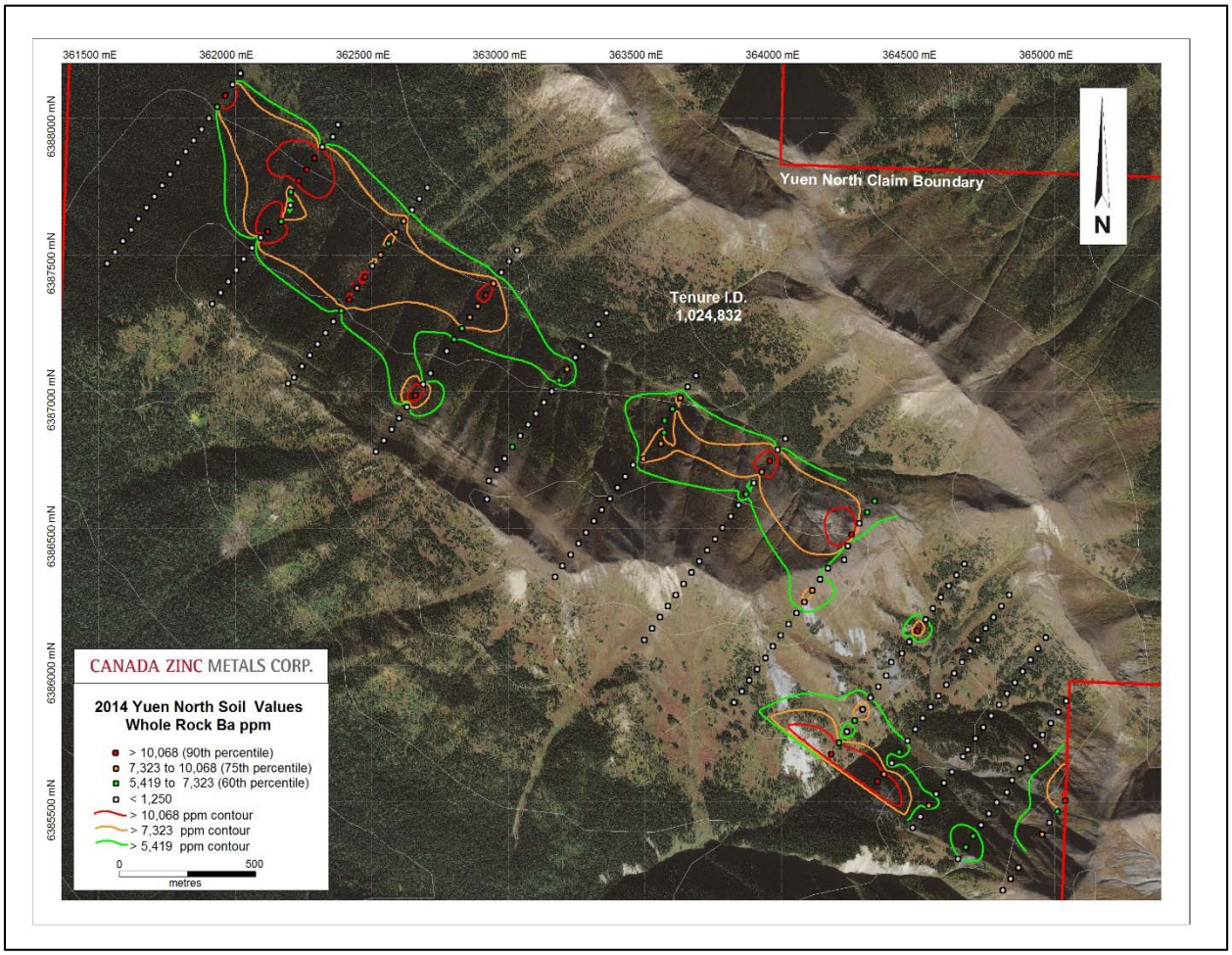

Figure 7-7: Interpolation of the 2014 Ba results.

7.5 Rock Sampling

A total of 17 rock samples were collected during the soil sampling program. Several samples were highly anomalous in barium (>1 %) due to the presence of nodular to laminar bedded barite however there were no other significant results. Maps displaying sample locations and values for Pb, Zn, Ag, Tl, Fe, and Ba along with a table of results are presented in Appendix 3. The analytical certificate is presented in Appendix 4.

7.6 Discussion

A general comment regarding the 2014 soil sampling program in relation to the historical programs. Given the difficulty in obtaining the preferred soil horizon due to the lack of a well-defined soil profile it is suspected that the historical programs in 1980 and 1981 would have encountered similar problems in areas above the tree line with little vegetation.

The primary objective of the soil sampling program was to confirm the historical soil anomalies outlined in the 1980 and 1981 programs. The most comprehensive soil sampling program on the Yuen North

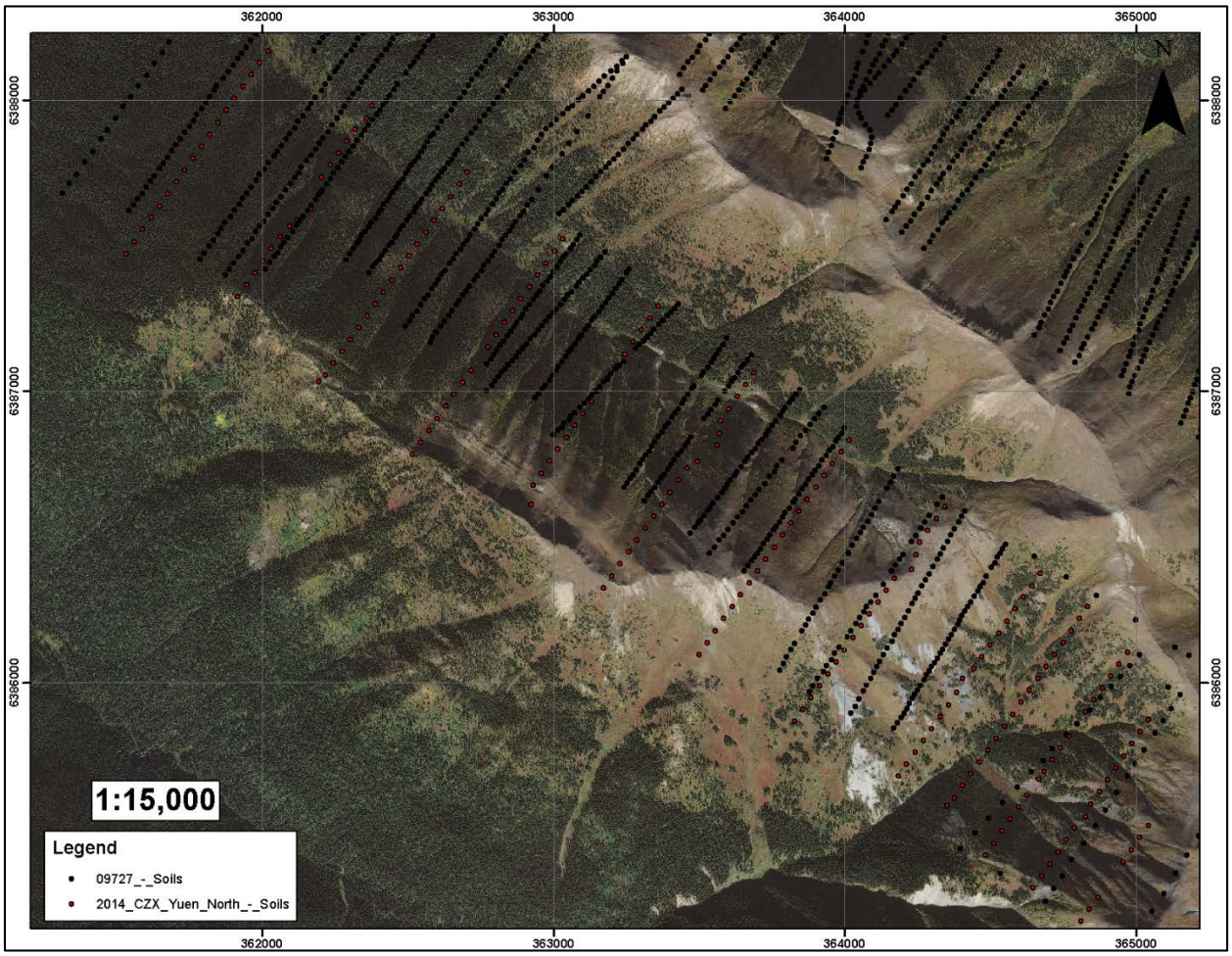

Figure 7-8: The 1981 soil sample locations (black) compared to the 2014 soil samples (red).

property (historically named the South Kwad property) was conducted in 1981 by Cominco Ltd. Figure 7-8 displays the 1981 soil samples, as presented in Assessment Report 09727 in relation to the 2014 soil sampling program.

The 1981 program analysed strictly for Pb, Zn, Ag and Ba and no other elements. The results of this early work outlined a number of Pb, Zn, Ag, and Ba anomalies over the western panel of Earn Group stratigraphy based on the following thresholds: 50 ppm Pb, 1,000 ppm Zn, 1 ppm Ag, and 5,000 ppm Ba (Waters 1981). Interpolations of these anomalies using the thresholds as determined by Waters in (1981) are presented in comparison with the 2014 results in Figures 7-9 and 7-10. The correlation of the Pb results (Figure 7-9) appears to be quite good with only minor variations between the 1981 interpolation and 2014 results. Additionally, the 2014 sampling appears to have extended the known Pb anomalies further to the west.

Both Zn (Figure 7-9) and Ag (Figure 7-10) display some inconsistencies between the 2014 results and the 1981 interpolation. The 2014 Zn results appears to correlate with the main trend present in the 1981 interpolation however there are scattered elevated values elsewhere that are not present in the interpolation. The 2014 Ag results show excellent correlation with the 1981 interpolation in the southeast section of the grid however there is a mixed response across the main portion of the grid with some low 2014 values present over the highs in the interpolation and vice versa.

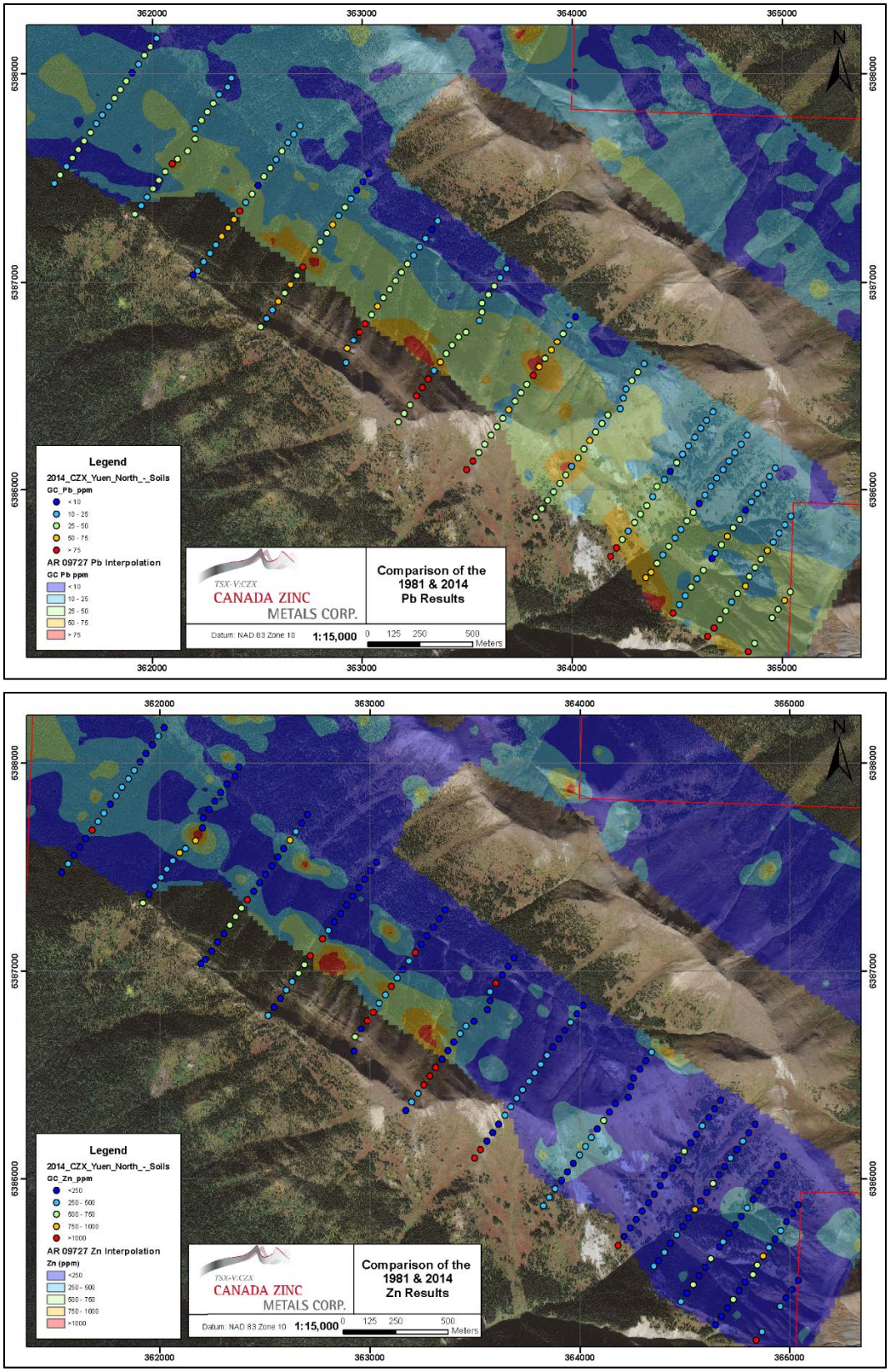

Figure 7-9: Comparison between the 1981 (interpolation) and 2014 Pb (top) and Zn (bottom) results.

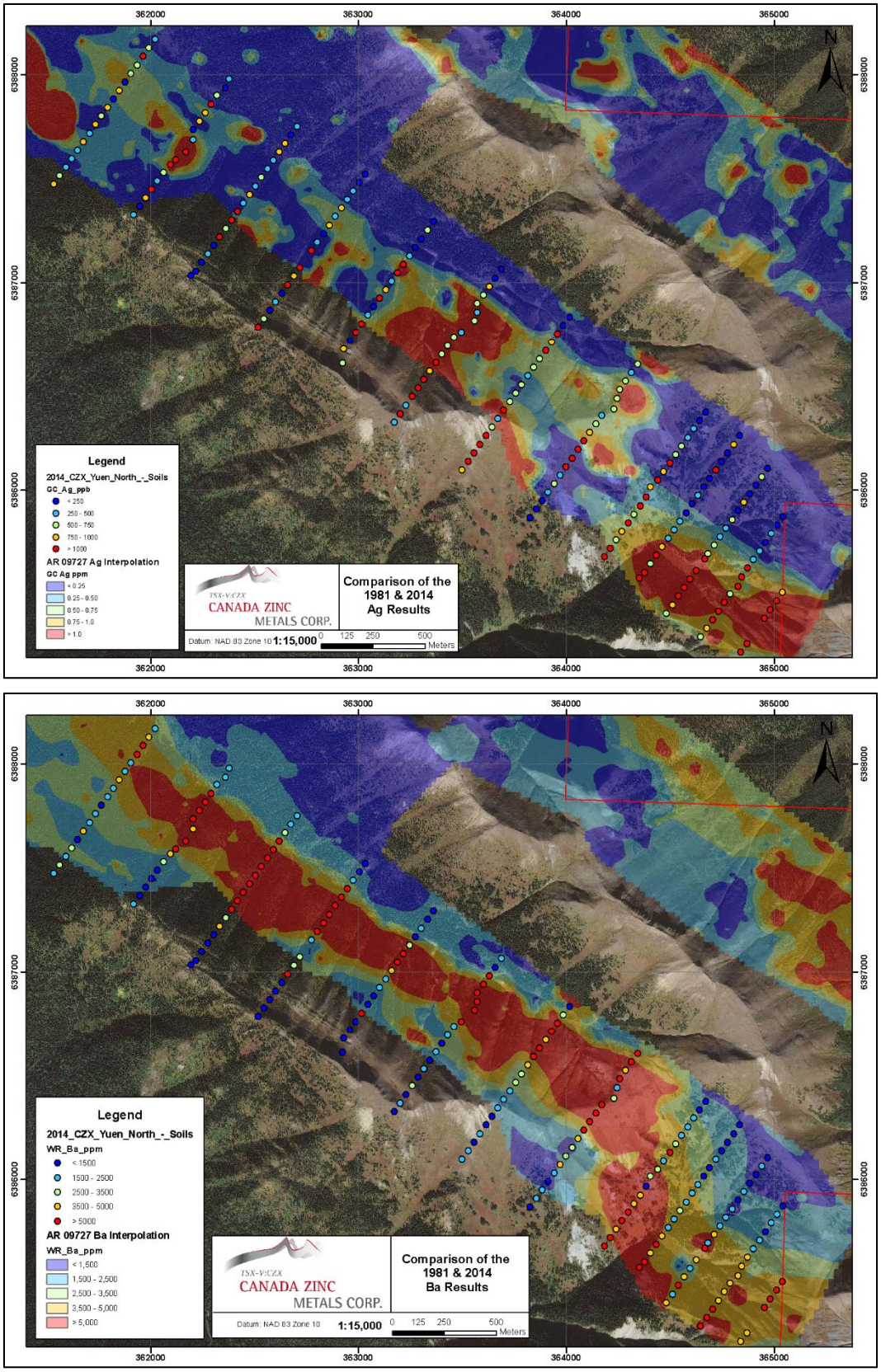

Figure 7-10: Comparison between the 1981 (interpolation) and 2014 Ag (top) and Ba (bottom) results.

The Ba results (Figure 7-10) demonstrate the best correlation between the 2014 results and the 1981 interpolation with a well-defined trend present in both datasets. There appears to be good correlation between the two datasets. The difference in sample locations can account for the minor differences present.

The results from the 2014 soil sampling program defined three areas of interest that require further discussion (Figure 7-11).

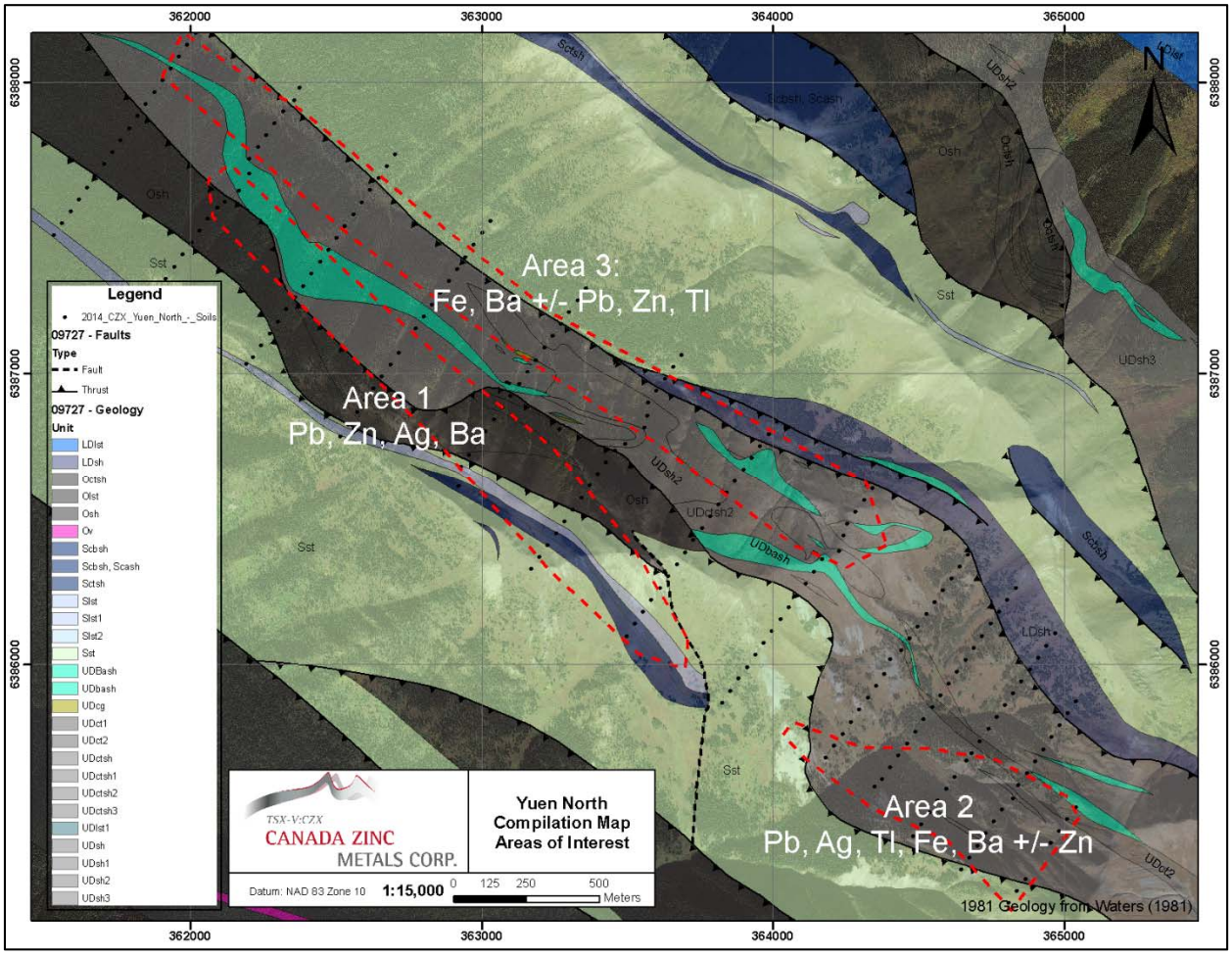

Figure 7-11: Yuen North compilation map with areas of interest from the 2014 soil sampling program.

The first area (Figure 7-11) is a linear trend oriented roughly at 134 degrees cutting across the main portion of the grid and coincident in Pb, Zn, Ag and Ba. This trend is approximately 2.4 kilometres long and 200 metres wide. In comparison with the 1981 Cominco geology its appears that this trend correlates with the known Earn Group stratigraphy in the northwest but transects across a mapped thrust fault and into Road River Group rocks. It is likely that the trend terminates at the mapped thrust fault and the elevated values within the Road River Group are associated with different lithologies.

The second area (Figure 7-11) is located in a west-facing cirque at the southeastern end of the grid. This anomaly is defined by coincident elevated Pb, Ag, Tl, Fe and Ba values with a weaker Zn response that is centered around a linear feature at the west edge of the grid that is approximately 800 metres long and oriented NW-SE at 126 degrees. In comparison with the 1981 geology, the anomaly appears to be hosted

along the western contact of the Earn Group stratigraphy and adjacent to the overriding thrust fault (Figure 7-11). The area is host to numerous iron seeps and ferricrete deposits, the most prominent of these was nicknamed Crème Brulee Creek due to the thick deposition of ferricrete (Plate 7-4). These local seeps and ferricrete deposits could represent the source for the elevated Zn, Fe and other elevated elements in the immediate area. Alternatively, work by Lett and Jackaman (1995) analyzing spring waters associated with liminotic and ferricrete deposits in the vincitiy of the Bear occurrence and Driftpile deposit concluded that there were two types of spring water (A & B). Type B spring waters were associated with the known Pb-Zn-Ag mineralisation at the Bear occurrence and were neutral to slightly acidic and highly anomalous in Ba, Al, Pb, and Tl. Secondary precipitates such as ferricrete and limonitic deposits in the area were also anomalous in Pb with elevated Ag, Co, Ni, Zn and As. Based on the suite of elements that define this area, the work by Lett and Jackaman (1995) is suggestive that this area might be associated with presence of possible sulphide mineralisation. Further work is required to determine the source of this multi-element area of interest.

Plate 7-4: Mouth of Crème Brulee Creek looking upslope. (Photo by J. Lewis 2014).

The third area (Figure 7-11) is also a linear feature extending approximately 2.8 kilometres across the main section of the grid in a NW-SE orientation. It is defined by Ba and Fe with locally elevated values of Pb, Zn and Tl. The anomaly is hosted completely within the Earn Group stratigraphy as depicted in the 1981 Cominco geology and correlates well with the mapped barite horizons. Waters (1981) concluded that this prominent trend as defined by barium in soil was likely sourced from the nearbye barite outcroppings in Gunsteel Formation shale. The results from the 2014 program appear to confirm this conclusion as well. Also, based on the thresholds used by Waters (1981) the Ba results depicted in figure 7-10 suggests that areas 2 and 3 are simply one continuous trend hosted within the Earn Group stratigraphy.

In addition to the common elements associated with known Pb-Zn-Ag deposits in the district, a number of sample sites displayed elevated values in the following elements Ni, U, Tl, Re +/- Zn, Pb, Co, As, Sb, V, Hg, P, and Se. A map displaying a number of the key elements is presented in Appendix 2. All of these sample sites are hosted within the Earn Group stratigraphy primarily concentrated in the southeastern area of the grid and in general, coincide with the second area of interest described above. Nick-style sulphide mineralisation discovered in recent drill core from the Akie property also exhibits a similar suite of elemental enrichment associated with debris flows within the Paul River Formation and or the unconformable contact between the Kwadacha limestone and the Silurian siltstones (Table 7-2, Plate 7-5).

	A-10-72	A-13-103	A-13-106
Elemental Enrichment	Mo, Cu, Pb, Zn, Ag, Ni, Co, Fe, As, U, Cd, Sb, Bi, V, Ca, P, Ca, Hg, Tl, S, Ga, Se, Au Te, Ge, Sn, Y, Ce, Re, Pd, Pt	Mo, Cu, Pb, Zn, Ag, Ni, Co, As, U, Cd, Sb, V, P, La, Cr, Hg, Tl, Se, Au, Te, Cs, Ge, Y, Ce, Re, Pt	Pb, Zn, Ni, As, U, P, Se, Re, Pt

Table 7-2: Table of elemental enrichments from Nick style mineralised intersects in drill core from the Akie property (from Johnson 2014)

Plate 7-5: Nick style mineralisation at the unconformable contact between the Kwadacha limestone and the Silurian siltstone in drill hole A-13-103 @ 252.37 metres (Photo by N. Johnson 2013).

The Nick deposit in the Yukon was discovered through reconnaissance stream sediment sampling by the Geological survey of Canada in 1977 who reported anomalous values of Ni, Zn, Mo, and U. Follow up work in 1981 subsequently discovered the thin horizon of Ni-Zn rich mineralisation known as the Nick mineralisation (Hulbert et al 1992). The Nick mineralisation has a similar enrichment of elements that includes Ni, Zn, PGE's, Re, Se, As, Mo, P, Ba and U (Hulbert et al 1992). It is possible that the element signature present in the soil samples is representative of Nick style mineralisation though information is still very limited.

8.0 Conclusions and Recommendations

The 2014 exploration program on the Yuen North property was successful. The soil sampling program was completed in full despite the challenge at some sample stations to acquire the preferred soil horizon. A number of conclusions can be made based on the results from the 2014 exploration program.

1. The development of the soil profile across the grid was poor, especially at higher elevations with little vegetative cover. This hindered the collection of the preferred B soil horizon.

2. The 2014 Pb, Zn, Ag and Ba results correlated well with historical trends though the Zn and Ag results displayed some differences between the two data sets across the main portion of the grid. The Ba results from the historical dataset also suggest that the 2nd and 3rd areas of interest represent a single trend.

3. The 2014 soil sampling program outlined three areas of interest with coincidence in elevated values of Pb, Zn, Ag, Tl, Fe and or Ba, across the central and southeast areas of the grid. The first and second areas (Figure 7-11) both require further work to determine the potential source of the elevated values whether these trends are thrust or iron seep related or due to the possible presence of mineralisation.

4. A number of soil sample sites exhibited elevated values in a unique suite of elements including Ni, U, Tl, Re +/- Zn, Pb, Co, As, Sb, V, Hg, P, and Se. This suite of elements bears some similarities with the recent discovery of Nick style mineralisation in drill core at the Akie property and the Nick deposit in the Yukon. The source of these values is unknown and requires further follow up work.

5. The rock samples taken as part of the soil sampling program returned no significant results aside from a few samples highly anomalous in Ba due to the presence of nodular to laminar barite.

Based on the results of the program and the conclusions, a number of recommendations are offered for future exploration programs on the Yuen North property and the surrounding area.

1. Further mapping on the Yuen North property is recommended with a focus on the western and eastern panels of Earn Group stratigraphy in order to refine the stratigraphy outlined in the 1981mapping program. An effort should be made to confirm the Orodvician graptolitic black shales that are mapped in thrust contact with the Earn Group stratigraphy on the western panel as well as refine the thrust fault that marks the boundary between the two units.

2. Prospecting and rock sampling done in conjunction with the mapping efforts should attempt to determine the source of the multi-element anomaly present in the second area of interest located in the west-facing cirque.

3. Due to the difficult nature in discerning between the different black shales present within the Earn Group stratigraphy and Ordovician black shales litho-geochemical rock sampling is recommended to produce a series of geochemical profiles of the different rock types to assist the mapping efforts.

4. Additional soil sampling is recommended to infill the 2014 soil sampling grid refining and expanding upon the trends defined in this program. Expansion of the soil grid towards the Mt. Alcock property to the northwest is also recommended. The lower elevations and vegetative cover should provide a better soil profile for sample collection.

5. Further analysis of the historical data from the 1980, 1981 and 1986 programs should be completed to identify additional areas of interest for follow up prospecting and exploration activities. This should include an evaluation of the eastern panel of Earn Group rocks defined in the historical mapping.

6. The suite of elements associated with the Nick style of mineralisation should be considered in future exploration programs. Mapping efforts should investigate the contact between the unconformable contact between the Kwadacha Limestone and the underlying Silurian siltstone where Nick-style mineralisation is known to occur.

9.0 References

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10.0 Statement of Qualifications

I, Nicholas L. Johnson, do hereby state:

1. That I am a resident of Ontario, with an address of 69 Inverness Crescent, Kingston, Ontario, K7M 6P2.
2. That I am a graduate of Queens University (B. Sc. Hons in Geology, 2001);
3. That I have been continuously employed in the mineral exploration industry since May of 2002 after graduating from Queens University.
4. That I am currently under the employ of Canada Zinc Metals Corp. a British Columbia corporation with a business address of Suite 2050 1055 West Georgia Street, Vancouver, B.C., V6E-3P3.
5. I oversaw the work described in this report and I am the sole author of the report entitled "The 2014 Soil Sampling Program on the Yuen North Property: Summary Report"

Dated in Vancouver, B.C., on the 6th of January 2015.

Nicholas L. Johnson, B.Sc. (Hon.)

11.0 Statement of Expenditures

CONTRACTOR	CATEGORY	Who	Dates	Type	Unit	Quantity	Unit Rate	Sub-Total	Total
Acme Analytical Laboratories	SAMPLE ANALYSIS		August 2014	Soil Samples	#	222.0	$ 31.54	$ 7,001.88	
				Rock Samples	#	17.0	$ 45.90	$ 780.26	
	FREIGHT			Freight	lb	100.0	$ 0.16	$ 15.68	$ 7,797.82
BC Communications Inc	COMMUNICATIONS		June - July 2014	Satellite Phone Rental	mon	2.0	$ 240.75	$ 481.50	$ 481.50
Coast Mountain Geological	FIELD EXPENDITURES		June - July 2014	Travel Expenses (Hotels & Expenses)	ls	1.0	$ 607.98	$ 607.98	
	COMMUNICATIONS			Satellite System Rental	day	7.0	$ 24.60	$ 172.20	
	EQUIPMENT			Field Gear (/man-day)	man-day	10.5	$ 15.00	$ 157.50	
				Spot Trackers	ls	1.0	$ 150.00	$ 150.00	
	TRANSPORTATION			ETV Rental	day	7.0	$ 75.00	$ 525.00	
	PERSONNEL	Jordan Lewis	26 to 27 June 2014	Geotechnician	day	7.0	$ 435.00	$ 3,045.00	
			30 June to 4 July 2014						
		Greg Sotiropolous	26 to 27 June 2014	First Aid	day	3.5	$ 460.00	$ 1,610.00	
			30 June to 4 July 2014						
	OTHER			Administration	%	6.1	10	$ 60.80	$ 6,328.48
ESS	ACCOMMODATIONS		June - July 2014	Operating Rate	day	7.0	$ 116.75	$ 817.25	
				Casual Meals	#	0.0	$ 21.27	$ -	
			Daily Room Rates	0 to 10 People	man-day	0.0	$ 199.62	$ -	
			Variable	11 to 20 People	man-day	18.5	$ 140.88	$ 2,606.28	
				21 to 30 People	man-day	0.0	$ 115.50	$ -	
				31 to 40 People	man-day	0.0	$ 98.51	$ -	$ 3,423.53
Gary Young Industries	FUEL		June to July 2014	Diesel (@ 1.27$/L)	litre	358.8	$ 1.27	$ 455.61	$ 455.61
Gauthier Ventures	FREIGHT		June to July 2014	Freight	lbs	277.5	$ 0.66	$ 183.15	$ 183.15
Hagens Home Hardware	MATERIALS		June to July 2014	Field Supplies	ls	1.0	$ 90.32	$ 90.32	$ 90.32
Kwadacha Natural Resources Limited Partnership	PERSONNEL	Steven Abou	25 to 27 June 2014	Field Assisstant	day	2.5	$ 225.00	$ 562.50	
		Jordan McCook	29 June to 4 July 2014	Field Assisstant	day	5.5	$ 225.00	$ 1,237.50	
				Other (admin)	ls			$ 630.00	$ 2,430.00
Liberty Transport	FREIGHT		14 July 2014	Freight	lb	178.2	$ 0.10	$ 18.53	$ 18.53
Yellowhead Helicopters	TRANSPORTATION		June to July 2014	Bell 407	hr	9.7	$ 1,495.00	$ 14,501.50	
				Fuel (@ $1.45/L)	litre	1988.5	$ 1.45	$ 2,883.33	
				Other (Crew, Oil, etc.)	ls	1.0	$ 38.00	$ 38.00	
	EQUIPMENT			Fuel Tank Rental	day	9.0	$ 25.00	$ 225.00	$ 17,647.83
Canada Zinc Metals	PRE-FIELD PREP.			Pre-Field Exploration Program Preparation	day	5.0	$ 500.00	$ 2,500.00	
	PERSONNEL	Nick Johnson	26 to 27 June 2014	Project Geologist	day	7.0	$ 650.00	$ 4,550.00	
			30 June to 4 July 2014						
	ASST REPORT PREP.			Drafting	hr	40.0	$ 75.00	$ 3,000.00	
				Post Field Data Compilation & Assessment Report Preparation	day	14.0	$ 500.00	$ 7,000.00	$ 17,050.00
							TOTAL	**$ 55,906.77**	**$ 55,906.77**
			STATEMENT OF COSTS FOR YUEN NORTH CLAIMS						

APPENDIX 1
Yuen North Geology Map

359000 360000 361000 362000 363000 364000 365000 366000

6389000 6388000 6387000 6386000 6385000 6384000

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Osh
Sst
1024833
1024832
Scbsh, Scash
Sctsh
UDsh2
Osh
LDlst
LDsh
UDsh3
UDbash
UDsh3
Sst
UDsh2
Octsh
LDsh
Osh
Sst
Sst
UDctsh2
Scbsh
UDsh3
UDsh2
Osh
Sst
UDsh
Osh
Sst
UDct2
Osh

Legend

09727 - Folds

Type

- Anticline
- Syncline

09727 - Faults

Type

- Fault
- Thrust

09727 - Geology

Unit

- LDlst
- LDsh
- Octsh
- Olst
- Osh
- Ov
- Scbsh
- Scbsh, Scash
- Sctsh
- Slst
- Slst1
- Slst2
- Sst
- UDBash
- UDbash
- UDcg
- UDct1
- UDct2
- UDctsh
- UDctsh1
- UDctsh2
- UDctsh3
- UDlst1
- UDsh
- UDsh1
- UDsh2
- UDsh3

TSX-V:CZX
CANADA ZINC METALS CORP.

1981 Cominco Ltd.
Geology Map
of the
Yuen North Property

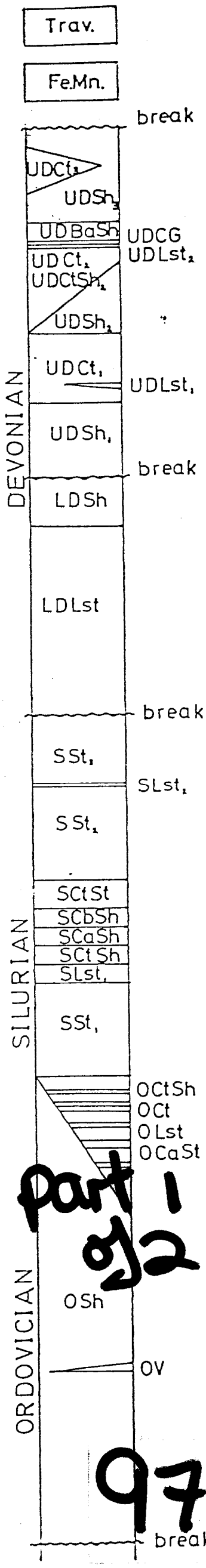
Compiled from Waters 1982

Datum: NAD 83 Zone 10

1:20,000

0 250 500 1,000 Meters

TABLE 2. (From Waters 1981)



Trav	Cream yellow vuggy travertine.
FeMn	Fe Mn cemented breccia deposits.
UDSh	Unassigned Upper Devonian shale.
$UDCt_3$	Grey weathering and or Fe stained black cherts and cherty shales. (0-50 m)
$UDSh_3$	Fe stained weathering black carbonaceous shale and silty shale. (200 m?)
UDBaSh	Fe stained weathering black carbonaceous shale and silty shale. (0-20 m)
UDCG	Slightly pyritic and baritic 'Chert Grit' variably sized angular grit fragments in a very fine grained matrix. (0-2 m)
$UDLst_2$	Black coarsely crystalline fetid (strong smelling) limestone. (0-1 m)
$UDCt_2$	Dark grey to black carbonaceous chert.
$UDCtSh_2$	Fe stained weathering black cherty shale. (50-200 m)
$UDSh_2$	Fe stained weathering dark grey to black silty shale. (50-200 m)
$UDCt_1$	Black cherts and cherty shales. (?-150 m)
$UDLst_1$	Black coarsely crystalline fetid limestone. (2 m)
$UDSh_1$	Fe stained weathering silty shale. (?-150 m)
	GUNSTEEL.
LDSh	Brown weathering black carbonaceous calcareous silt and silty shale. (50-100 m)
LDLst	Light grey weathering dark grey to black limestone with occasional fossils. (0-400 m?)
SSt	Unassigned Silurian siltstone.
SSt_3	Brown weathering mottled calcareous silty shales, calcareous silts and semi-quartzites. (50-150 m?)
$SLst_2$	Grey brown weathering medium grey variably silty limestone. (0-5 m)
SSt_2	Brown weathering homogenous calc siltstone with pyrite filled burrows. (50-200 m?)
SCtSt	Grey brown or reddish purple weathering siltstone with 1-2 cm long lenses of dark grey or black chert. (0-20 m)
SCbSh	Black carbonaceous silty shale. (0-20 m)
SCaSh	Grey brown weathering calcareous shale. (0-20 m)
SCtSh	Black cherty and carbonaceous shale. (0-20 m)
$SLst_1$	Grey brown weathering silty or Crinoidal limestone. (0-20 m)
SSt_1	Grey brown weathering calc silt and silty shale. (0-200 m)
OSh	Variably carbonaceous, calcareous and silty shale with occasional thick pyrite lenses.
OCtSh	Black carbonaceous cherty shale. (10-20 m beds)
OCt	Black carbonaceous chert - (rare sphalerite grains). (1-2 m beds).
OLst	Lensoid bodies of black coarsely crystalline limestone. (1-2 m beds)
OCaSt	Grey brown weathering calc silts. (1-2 m beds)
	(200-300 m)
	1000m.
OV	Orange weathering green vuggy tuffs and lavas. (10 m?)

part 1 of 2

9727

STRATIGRAPHIC COLUMN
SOUTH KWAD GROUP.

Scale:	Date: Oct 81	Plate:

APPENDIX 2
Soil Sampling Maps

362000 mE
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364000 mE
365000 mE
366000 mE

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2698507

CANADA ZINC METALS CORP.

Yuen North
Soil Sample Location
and Number

Date:19/9/2014
Author:
Office: Vancouver
Drawing:
Scale: 1:10000
Projection: UTM Zone 10 (NAD 83)

0 125 250 500
metres

362000 mE | 363000 mE | 364000 mE | 365000 mE | 366000 mE

6388000 mN | 6387000 mN | 6386000 mN | 6385000 mN

1024832

N

Legend

Pb & Zn Values in ppm

Pb <150	Zn <2000
Pb 125 - 150	Zn 1500 - 2000
Pb 100 - 125	Zn 1000 - 1500
Pb 75 - 100	Zn 750 - 1000
Pb 50 - 75	Zn 500 - 750
Pb 40 - 50	Zn 400 - 500
Pb 30 - 40	Zn 300 - 400
Pb 20 - 30	Zn 200 - 300
Pb 10 - 20	Zn 100 - 200
Pb 1 - 10	Zn 0 - 100

CANADA ZINC METALS CORP.

Yuen North Claims
Soil Sample Values
Pb & Zn in ppm

Date:19/9/2014

Author:

Office: Vancouver

Drawing:

Scale: 1:10000

Projection: UTM Zone 10 (NAD 83)

0 125 250 500

metres

362000 mE | 363000 mE | 364000 mE | 365000 mE | 366000 mE

6388000 mN | 6387000 mN | 6386000 mN | 6385000 mN

1024832

N

Legend

Ag (ppb) & Tl (ppm) Values

- Ag >2000 • Tl >2.00
- Ag 1500 - 2000 • Tl 1.5 - 2.0
- Ag 1000 - 1500 • Tl 1.0 - 1.5
- Ag 750 - 1000 • Tl 0.75 - 1.00
- Ag 500 - 750 • Tl 0.5 - 0.75
- Ag 400 - 500 • Tl 0.4 - 0.5
- Ag 300 - 400 • Tl 0.3 - 0.4
- Ag 200 - 300 • Tl 0.2 - 0.3
- Ag 100 - 200 • Tl 0.1 - 0.2
- Ag 0 - 100 • Tl 0.0 - 0.1

CANADA ZINC METALS CORP.

Yuen North Claims
Soil Sample Values
Ag (ppb) & Ti (ppm)

Date:19/9/2014
Author:
Office: Vancouver
Drawing:
Scale: 1:10000
Projection: UTM Zone 10 (NAD 83)

0 125 250 500
metres

362000 mE
363000 mE
364000 mE
365000 mE
366000 mE
6388000 mN
6387000 mN
6386000 mN
6385000 mN

1.1 • 1,736
1.88 • 4,041
2.23 • 23,772
1.1 • 5,705
0.87 • 1,690
1.67 • 1,798
1.17 • 4,364
1.87 • 2,099
1.46 • 1,942
1.21 • 1,415
1.91 • 2,320
0.72 • 1,614
2.11 • 3,701
2.02 • 1,288
1.27 • 2,931
2.71 • 2,398
1.82 • 2,615
1.48 • 2,345
1.96 • 1,849
1.32 • 1,953
1.19 • 1,623
2.38 • 21,288
2.48 • 18,657
1.78 • 11,809
0.92 • 5,937
1.31 • 4,684
1.84 • 6,312
4.22 • 27,736
3.92 • 4,553
1.66 • 2,936
1.79 • 1,413
2.08 • 1,224
2.44 • 1,252
1.94 • 1,103
2.37 • 1,599
1.26 • 1,810
1.04 • 1,629
1.89 • 2,706
1.92 • 9,467
1.65 • 8,265
1.81 • 5,624
2.39 • 10,008
0.62 • 5,289
0.8 • 12,694
1.47 • 7,963
1.67 • 11,480
2.68 • 6,134
2.03 • 2,976
2.49 • 4,815
0.97 • 860
1.49 • 1,055
1.92 • 1,069
2.16 • 1,203
1.7 • 583
1.55 • 2,558
1.34 • 2,631
2 • 23,368
1.19 • 1,226
1.84 • 834
1.64 • 1,326
1.35 • 1,110
3.02 • 1,359
0.05 • 442
0.17 • 534
1.09 • 1,779
1.31 • 9,418
2.46 • 12,695
1.1 • 8,467
1.09 • 8,701
1.09 • 7,215
1.28 • 6,221
1.38 • 1,948
2.46 • 5,471
2.25 • 1,181
0.85 • 563
1.34 • 990
1.11 • 754
2.66 • 2,369
1.29 • 1,250
2.5 • 2,404
1.91 • 1,202
1.66 • 2,923
1.6 • 921
3.2 • 1,727
2.74 • 1,500
1.7 • 1,356
0.95 • 1,281
1.58 • 1,912
1.71 • 1,139
0.92 • 2,946
11.27 • 8,251
1.86 • 6,186
1.46 • 4,135
1.84 • 2,263
2.05 • 1,655
1.39 • 1,112
1.87 • 1,484
2.77 • 9,533
2.88 • 2,164
3.26 • 1,959
2.18 • 1,412
1.52 • 1,653
2.08 • 1,471
2.06 • 1,090
1.94 • 1,627
2.11 • 1,486
2.82 • 1,673
2.05 • 2,330
1.93 • 1,696
1.93 • 1,463
3.35 • 8,642
14.52 • 5,980
2.19 • 7,015
1.2 • 7,235
1.54 • 7,441
0.45 • 1,397
0.95 • 2,918
6.58 • 19,810
2.27 • 9,527
4.4 • 4,331
1.07 • 6,014
1.75 • 5,171
2.11 • 3,791
2.31 • 3,138
2.06 • 2,526
2.09 • 2,159
3.84 • 2,046
0.57 • 20,351
0.57 • 2,415
0.98 • 3,219
1.67 • 5,411
1.96 • 5,222
3.96 • 7,345
6.4 • 8,794
2.08 • 3,691
2.08 • 3,069
1.85 • 3,374
2.04 • 3,881
2.2 • 2,245
1.22 • 1,195
1.62 • 2,095
2.79 • 2,055
1.77 • 1,366
1.47 • 6,952
1.9 • 6,797
2.1 • 4,668
1.7 • 1,237
1.41 • 1,097
2.6 • 1,571
2.38 • 1,511
2.29 • 1,249
2.33 • 2,460
2.29 • 1,421
1.13 • 3,179
2.39 • 1,110
3.57 • 12,659
1.78 • 1,032
0.48 • 2,185
2.09 • 1,670
1.66 • 1,130
1.55 • 1,780
2,729
1.14 • 1,033
1.63 • 2,742
1.72 • 1,414
1.66 • 1,066
0.56 • 1,370
2.2 • 1,619
1.68 • 1,024
2.27 • 3,593
1.14 • 1,681
2.52 • 1,594
1.69 • 4,015
1.03 • 1,817
0.89 • 1,018
3.94 • 9,878
2.62 • 2,563
2.11 • 1,844
1.49 • 1,219
1.55 • 7,084
1.51 • 1,507
2.05 • 1,992
1.41 • 1,875
2.99 • 3,811
1.89 • 1,938
1.94 • 1,712
1.32 • 1,858
4.13 • 6,269
3.04 • 4,891
2.9 • 3,716
2.04 • 1,419
11.62 • 19,164
3.61 • 7,197
1,948
2.1 • 2,022
6.81 • 3,620
0.87 • 5,118
4.71 • 2,484
3.5 • 8,400
2.77 • 4,994
2.68 • 4,958
6.82 • 21,619
1.61 • 2,362
2.21 • 3,833
2.07 • 4,465
4.12 • 3,730
1.97 • 10,871
3.04 • 7,398
2.83 • 3,966
2.42 • 6,541
0.95 • 1,698
2.78 • 4,741
3.37 • 5,366
2.53 • 3,663
5.26 • 3,572
3.62 • 7,422
2.92 • 6,429
3.22 • 6,929
1.43 • 5,318
2.3 • 4,198
4.06 • 3,525
2.12 • 4,819

1024832

N

Legend

Fe (%) & Ba (ppm)Values

- Fe >6.82 • Ba >12,695
- Fe 5.27 - 6.82 • Ba 8,795 - 12,695
- Fe 3.63 - 5.26 • Ba 6,542 - 8,794
- Fe 2.93 - 3.62 • Ba 4,820 - 6,541
- Fe 2.34 - 2.92 • Ba 3,375 - 4,819
- Fe 1.95 - 2.33 • Ba 2,527 - 3,374
- Fe 1.59 - 1.94 • Ba 1,876 - 2,526
- Fe 1.23 - 1.58 • Ba 1,398 - 1,875
- Fe 0.73 - 1.22 • Ba 922 - 1,397
- Fe 0 - 0.72 • Ba 0 - 921

CANADA ZINC METALS CORP.

Yuen North Claims
Soil Sample Values
Fe (%) & Ba (ppm)

Date:19/9/2014
Author:
Office: Vancouver
Drawing:
Scale: 1:10000
Projection: UTM Zone 10 (NAD 83)

0 125 250 500
metres

362000 mE
363000 mE
364000 mE
365000 mE
366000 mE

6388000 mN
6387000 mN
6386000 mN
6385000 mN

Yuen North Claim Boundary

1024832

N

9.2, 88.6 1.22, 4
14.98, 85 2.82, 9
5.62, 48.5 0.63, 1
5.12, 137.1 0.75, 1
17,515.6 1.16, -1
9.01, 232.9 1.18, 4
5.44, 28.3 2.99, 15
6.14, 78.7 0.71, 21
6.96, 88.8 0.36, 1
9.98, 78.1 0.63, 6
5.72,139.2 0.68, 3
7.24, 92.9 1.06, 52
31.69, 294.9 14.81,10
6.33, 70.8 1.27, 3
6.31, 131.7 1.85, 20
10.66, 100 1.47, 64
6.88, 62.3 5.68, 10
14.36,140.8 4.21, 41
8.36, 138.9 1.56, 16
5.72, 22.8 1.29, 42
11.18, 128.6 1.25, 25
10.53, 82.9 2.29, 36
7.6, 25 3.35 7
8.15, 10.7 2.96, 8
7.78, 87.9 1.03, 4
28.87, 676.1 3.38, 121

Legend

U >10, Ni Tl, Re

>5 U <10 ppm, Ni Tl, Re

CANADA ZINC METALS CORP.

Yuen North Claims Soil Samples Values U(ppm), Ni(ppm), Tl(ppm), and Re(ppb)

Date:19/9/2014

Author:

Office: Vancouver

Drawing:

Scale: 1:10000

Projection: UTM Zone 10 (NAD 83)

0 125 250 500

metres

SAMPLE_NO	TYPE	YEAR	PROPERTY	COMPANY	LAB	Digestion	Method	DESCRIPT	COMMENTS	HORIZON	DEPTH	COLOUR	ORG_pct	SILT_pct	CLAY_pct	SAND_pct	ROCK_pct	VEGETATION	DISTURBANC	WATER	CERTIFICAT	REFERENCE	UTM_E	UTM_N	WR Label	LB_Ba_ppm	GC Label
TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	1.000000	1.000000	TEXT	TEXT	TEXT
2698501	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	35	DGY	10	65			25				VAN14002294	2014 CZX Field Notes	365040	6385510		10871	
2698502	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	40	DGY	15		50		35				VAN14002294	2014 CZX Field Notes	365011	6385469		6541	
2698503	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	40	DGY		25			75				VAN14002294	2014 CZX Field Notes	364982	6385428		5366	
2698504	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	50	DGY		5			95				VAN14002294	2014 CZX Field Notes	364954	6385387		7422	
2698505	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	40	DGY		25			75				VAN14002294	2014 CZX Field Notes	364868	6385264		4198	
2698506	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	DGY	25	50			25				VAN14002294	2014 CZX Field Notes	364839	6385223		3525	
2698507	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	BR	25	50			25				VAN14002294	2014 CZX Field Notes	364810	6385182		4819	
2698508	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	45	DBR	10	65			25				VAN14002294	2014 CZX Field Notes	364646	6385297		5318	
2698509	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	DGY		50			50				VAN14002294	2014 CZX Field Notes	364675	6385338		6929	
2698510	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	50	DGY			40		60				VAN14002294	2014 CZX Field Notes	364703	6385379		6429	
2698511	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	50	DGY		20			80				VAN14002294	2014 CZX Field Notes	364731	6385420		3572	
2698512	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	50	DGY		50			50				VAN14002294	2014 CZX Field Notes	364759	6385462		4741	
2698513	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	50	DGY		30			70				VAN14002294	2014 CZX Field Notes	364788	6385503		3966	
2698514	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	50	DGY		10			90				VAN14002294	2014 CZX Field Notes	364625	6385615		4994	
2698515	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	50	DGY		10			90				VAN14002294	2014 CZX Field Notes	364596	6385574		2362	
2698516	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	50	GYBR		10	30		60				VAN14002294	2014 CZX Field Notes	364567	6385533		4465	
2698517	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			C/T	50	GYBR		10	30		60				VAN14002294	2014 CZX Field Notes	364539	6385492		7398	
2698518	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			C/T	30	GYBR			30		70				VAN14002294	2014 CZX Field Notes	364510	6385451		1698	
2698519	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR		60			40				VAN14002294	2014 CZX Field Notes	364481	6385410		3663	
2698520	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid outcrop/cliff	T	40	DGY		10			90				VAN14002294	2014 CZX Field Notes	364351	6385580		21619	
2698521	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	30	DGY		20			80				VAN14002294	2014 CZX Field Notes	364375	6385606		8400	
2698522	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	30	DGY		20			80				VAN14002294	2014 CZX Field Notes	364404	6385647		3620	
2698523	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	50	DGY		30			70				VAN14002294	2014 CZX Field Notes	364432	6385688		7197	
2698524	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Avalanche chute	A/T	40	BK		35			65				VAN14002294	2014 CZX Field Notes	364461	6385729		4891	
2698525	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	30	GYBR		10	60		30				VAN14002294	2014 CZX Field Notes	364490	6385770		1938	
2698526	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	30	GYBR		10	60		30				VAN14002294	2014 CZX Field Notes	364518	6385811		1507	
2698527	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B?/T	40	GYBR			40		60				VAN14002294	2014 CZX Field Notes	364547	6385852		2563	
2698528	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	BR		50			50				VAN14002294	2014 CZX Field Notes	365042	6385874		1219	
2698529	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	DGY		20			80				VAN14002294	2014 CZX Field Notes	365014	6385833		1875	
2698530	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	DGY		20			80				VAN14002294	2014 CZX Field Notes	364986	6385792		1858	
2698531	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	45	BR		70	20		10				VAN14002294	2014 CZX Field Notes	364957	6385750		1419	
2698532	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			C/T	45	GY			40		60				VAN14002294	2014 CZX Field Notes	364929	6385709		2022	
2698533	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR		50			50				VAN14002294	2014 CZX Field Notes	364901	6385668		2484	
2698534	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	45	GYBR		70			30				VAN14002294	2014 CZX Field Notes	364873	6385627		4958	
2698535	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid outcrop/cliff	A/T	50	DGY		30			70				VAN14002294	2014 CZX Field Notes	364844	6385585		3833	
2698536	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	50	DGY		10			90				VAN14002294	2014 CZX Field Notes	364826	6385540		3730	
2698537	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR		40			60				VAN14002294	2014 CZX Field Notes	364665	6385670		5118	
2698538	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid outcrop/cliff	B	40	BR		80			20				VAN14002294	2014 CZX Field Notes	364682	6385696		1948	
2698539	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	45	DGY		20			80				VAN14002294	2014 CZX Field Notes	364740	6385778		1712	
2698540	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR		40			60				VAN14002294	2014 CZX Field Notes	364768	6385819		1992	
2698541	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	30	GYBR		80			20				VAN14002294	2014 CZX Field Notes	364711	6385737		3716	
2698542	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	DBR		30			70				VAN14002294	2014 CZX Field Notes	364797	6385860		1844	
2698543	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	35	GYBR		60			40				VAN14002294	2014 CZX Field Notes	364826	6385901		1018	
2698544	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	BR		40			60				VAN14002294	2014 CZX Field Notes	364854	6385942		1594	
2698545	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	GYBR		25			75				VAN14002294	2014 CZX Field Notes	364883	6385983		1024	
2698546	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	BK		20			80				VAN14002294	2014 CZX Field Notes	364912	6386024		1066	
2698547	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	BR		30			70				VAN14002294	2014 CZX Field Notes	364940	6386065		1780	
2698548	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	30	BR		30			70				VAN14002294	2014 CZX Field Notes	364969	6386106		1130	
2698549	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	BR		65			35				VAN14002294	2014 CZX Field Notes	364834	6386262		1249	
2698550	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	30	DGY		25			75				VAN14002294	2014 CZX Field Notes	364805	6386221		1421	
2698551	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	DBR		40			60				VAN14002294	2014 CZX Field Notes	364776	6386180		1110	
2698552	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	45	GYBR		20			80				VAN14002294	2014 CZX Field Notes	364748	6386139		1032	
2698553	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	DGY		40			60				VAN14002294	2014 CZX Field Notes	364719	6386098		1670	
2698554	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	30	GYBR		40			60				VAN14002294	2014 CZX Field Notes	364690	6386057		1033	
2698555	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR		25			75				VAN14002294	2014 CZX Field Notes	364662	6386016		1414	
2698556	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A	60	BK		75			25				VAN14002294	2014 CZX Field Notes	364633	6385975		1619	
2698557	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	50	BK		50			50				VAN14002294	2014 CZX Field Notes	364604	6385934		1681	
2698558	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	BGY		35			65				VAN14002294	2014 CZX Field Notes	364576	6385893		1817	
2698559	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	50	GYBR		50			50				VAN14002294	2014 CZX Field Notes	363826	6385869		1366	
2698560	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	45	GYBR		25			75				VAN14002294	2014 CZX Field Notes	363855	6385910		2055	
2698561	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	40	GYBR		15			85				VAN14002294	2014 CZX Field Notes	363883	6385951		2095	
2698562	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	35	DGY		10			90				VAN14002294	2014 CZX Field Notes	363912	6385991		1195	
2698563	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	45	GYBR			25		75				VAN14002294	2014 CZX Field Notes	363941	6386032		2245	
2698564	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	35	GYBR			70		30				VAN14002294	2014 CZX Field Notes	363969	6386073		3881	
2698565	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/C	45	GY		85			15				VAN14002294	2014 CZX Field Notes	363998	6386114		3374	
2698566	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/C	40	GY		85			15				VAN14002294	2014 CZX Field Notes	364027	6386155		3069	
2698567	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GY		75	10		15				VAN14002294	2014 CZX Field Notes	364056	6386196		3691	
2698568	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	45	GY		10			90				VAN14002294	2014 CZX Field Notes	364084	6386237		8794	
2698569	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	45	DGY		25			75				VAN14002294	2014 CZX Field Notes	364113	6386278		7345	
2698570	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	30	DGY		25			75				VAN14002294	2014 CZX Field Notes	364142	6386319		5222	
2698571	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	DGY		25			75				VAN14002294	2014 CZX Field Notes	364170	6386360		5411	
2698572	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid talus slope	A/T	40	DGY		25			75				VAN14002294	2014 CZX Field Notes	364229	6386390		3219	
2698573	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		moved to avoid snow field	T	40	DGY		10			90				VAN14002294	2014 CZX Field Notes	364244	6386441		2415	
2698574	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	40	DGY		10			90				VAN14002294	2014 CZX Field Notes	364256	6386483		20351	
2698575	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR			25		75				VAN14002294	2014 CZX Field Notes	364285	6386524		4668	
2698576	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid snow field	C/T	35	GYBR			20		80				VAN14002294	2014 CZX Field Notes	364314	6386565		6797	
2698577	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			C/T	30	GYBR			40		60				VAN14002294	2014 CZX Field Notes	364342	6386606		6952	
2698578	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	40	GYBR		20			80				VAN14002294	2014 CZX Field Notes	364670	6386376		1237	
2698579	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	GYBR		50			50				VAN14002294	2014 CZX Field Notes	364641	6386335		1097	
2698580	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	45	GYBR		70			30				VAN14002294	2014 CZX Field Notes	364613	6386295		1571	
2698581	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	40	GYBR		70			30				VAN14002294	2014 CZX Field Notes	364584	6386254		1511	
2698582	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	DGY		35			65				VAN14002294	2014 CZX Field Notes	364555	6386213		2460	
2698583	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	DGY		30			70				VAN14002294	2014 CZX Field Notes	364527	6386172		3179	
2698584	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	40	BR		80			20				VAN14002294	2014 CZX Field Notes	364498	6386131		12659	
2698585	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	30	DGY		50			50				VAN14002294	2014 CZX Field Notes	364469	6386090		2185	
2698586	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	DGY		50			50				VAN14002294	2014 CZX Field Notes	364441	6386049		2729	
2698587	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid talus slope	A/T	15	DGY		20			80				VAN14002294	2014 CZX Field Notes	364403	6386017		2742	
2698588	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			C/T	25	DGY			20		80				VAN14002294	2014 CZX Field Notes	364383	6385967		1370	
2698589	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	40	GY		50	50						VAN14002294	2014 CZX Field Notes	364355	6385926		3593	
2698590	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	DGY		20			80				VAN14002294	2014 CZX Field Notes	364326	6385885		4015	
2698591	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	DGY		20			80				VAN14002294	2014 CZX Field Notes	364297	6385844		9878	
2698592	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	50	DBR	20	40			40				VAN14002294	2014 CZX Field Notes	364268	6385803		7084	
2698593	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	50	BR		40	40		20				VAN14002294	2014 CZX Field Notes	364240	6385762		3811	
2698594	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR		40			60				VAN14002294	2014 CZX Field Notes	364211	6385721		6269	
2698595	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	40	TN/BR		5			95				VAN14002294	2014 CZX Field Notes	364182	6385680		19164	
2698596	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	DGY		15			85				VAN14002294	2014 CZX Field Notes	363498	6386098		2330	
2698597	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	DGY		15			85				VAN14002294	2014 CZX Field Notes	363527	6386139		1673	
2698598	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	30	DGY		20			80				VAN14002294	2014 CZX Field Notes	363556	6386180		1486	
2698599	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR		35			65				VAN14002294	2014 CZX Field Notes	363584	6386221		1627	
2698600	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	45	LBR			35		65				VAN14002294	2014 CZX Field Notes	363613	6386262		1090	
2698601	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	40	BR		65			35				VAN14002294	2014 CZX Field Notes	363642	6386303		1471	
2698602	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	30	GYBR		20			80				VAN14002294	2014 CZX Field Notes	363671	6386344		1653	
2698603	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	20	GYBR		5			95				VAN14002294	2014 CZX Field Notes	363699	6386385		2046	

SAMPLE_NO	LB_Mo_ppm	LB_Cu_ppm	LB_Pb_ppm	LB_Zn_ppm	LB_Ag_ppb	LB_Ni_ppm	LB_Co_ppm	LB_Mn_ppm	LB_Fe_pct	LB_As_ppm	LB_U_ppm	LB_Au_ppb	LB_Th_ppm	LB_Sr_ppm	LB_Cd_ppm	LB_Sb_ppm	LB_Bi_ppm	LB_V_ppm	LB_Ca_pct	LB_P_pct	LB_La_ppm	LB_Cr_ppm	LB_Mg_pct	LB_Ba_ppm	LB_Ti_pct	LB_B_ppm	LB_Al_pct	LB_Na_pct	LB_K_pct	LB_W_ppm	LB_Sc_ppm
TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT
2698501	19.15	32.21	38.14	204.7	971	34.7	4.6	214	1.97	17.7	2.67	1.3	3.3	68	2	3.88	0.32	53	0.12	0.074	31.2	6.2	0.02	1398.8	<0.001	<20	0.27	0.002	0.14	<0.05	1.9
2698502	30.21	35.18	50.13	208.8	1220	43.3	3.2	91	2.42	33.4	3.62	1	2.3	74.3	1.06	5.15	0.4	63	0.07	0.132	24.8	8	0.02	884.4	0.001	<20	0.28	0.002	0.15	0.06	2.2
2698503	103.05	31.4	48.03	100.1	1776	22.8	2.4	72	3.37	35.1	5.72	0.7	0.9	59.4	1.54	10.89	0.46	148	0.08	0.223	18.8	9.2	0.03	923.4	0.002	<20	0.33	0.004	0.19	0.16	1.3
2698504	179.11	78.15	35.4	434.4	5127	82.9	5.3	366	3.62	86.1	10.53	0.5	0.9	146.8	6.29	31.84	0.3	216	1.59	0.369	16.7	19	0.75	1912.1	0.003	<20	0.48	0.007	0.18	0.22	2.2
2698505	14.82	200.38	40.23	490.2	1268	87.9	6	108	2.3	15.1	7.78	0.8	3.7	73.7	8.2	3.71	0.27	49	0.44	0.089	27.8	9	0.08	616.3	0.002	<20	0.5	0.002	0.16	0.07	5.3
2698506	275.62	257.07	90.48	1733.2	1508	676.1	27.5	520	4.06	50.1	28.87	2.3	5.2	45.7	39	31.55	0.24	247	0.39	0.123	47.1	15.8	0.07	309.1	0.001	<20	1	0.002	0.11	0.42	7.5
2698507	26.11	38.49	67.1	425.6	783	71.5	7.2	230	2.12	22.2	4.83	1.7	1.9	67.7	2.56	4.67	0.23	58	0.96	0.115	16	7.6	0.15	1101.5	0.001	<20	0.34	0.002	0.11	<0.05	3.1
2698508	37.09	27.07	82.34	45.7	505	10.7	0.5	6	1.43	21.4	8.15	0.9	2.3	37.1	0.57	4.39	0.18	84	0.01	0.035	22.7	4.7	0.02	940.8	0.002	<20	0.38	0.001	0.15	<0.05	1.7
2698509	67.35	34.63	83.15	102.9	948	25	2	91	3.22	62	7.6	1	1.8	183.2	0.55	11.51	0.21	129	0.03	0.145	20.6	7.2	0.02	499.2	0.002	<20	0.44	0.003	0.15	0.12	2.1
2698510	27.31	37.5	32.21	239.1	1470	56.9	2.4	79	2.92	29.6	3.29	2.8	2.5	124	3.41	6.86	0.35	108	0.2	0.104	21.7	15.5	0.05	202	0.002	<20	0.4	0.004	0.3	0.07	2
2698511	69.99	122.68	38.27	540.9	1212	128.6	18.6	345	5.26	35.7	11.18	0.3	6.2	54.6	5.19	8.43	0.28	121	0.13	0.109	26.1	14.2	0.08	719.1	0.001	<20	0.64	0.003	0.14	0.06	6
2698512	29.41	35.07	21.97	239.1	2866	36.1	5	38	2.78	16	1.69	0.9	2.2	19.4	0.48	1.96	0.29	131	0.02	0.101	29.2	14.7	0.07	625	0.002	<20	1.07	<0.001	0.12	0.06	2.1
2698513	54.16	40.75	28.39	194.5	530	30.9	3.5	36	2.83	26.6	2.75	1.3	0.8	24.3	0.54	2.46	0.33	132	0.03	0.101	28.7	10.8	0.04	457	0.003	<20	0.61	0.001	0.09	0.09	1
2698514	55.36	78.03	44.57	573.8	1532	100	12.3	302	2.77	38.9	10.66	1.2	3.4	58.5	7.99	10.97	0.25	136	0.31	0.136	28.4	11.1	0.04	1181.1	0.001	<20	0.34	0.002	0.13	0.09	2.9
2698515	38.01	35.47	16.46	183.1	1181	36.1	3.1	65	1.61	12.8	2.84	1.1	0.4	23.7	0.89	3.13	0.17	150	0.06	0.094	27.4	21.4	0.06	513.3	0.002	<20	0.55	0.003	0.1	0.07	0.7
2698516	36.62	30.05	31.56	150.8	1216	22.4	2.3	29	2.07	19.9	2.23	1.3	1.4	111.3	0.5	3.67	0.31	116	0.02	0.109	21.1	15.1	0.06	1158	0.003	<20	0.63	0.004	0.21	0.14	1.4
2698517	61.18	82.5	24.89	606.3	1410	138.9	6.7	190	3.04	49	8.36	1.4	2.2	109.1	3.82	17.89	0.26	340	0.3	0.245	25.1	21.4	0.07	2338	0.004	<20	0.63	0.005	0.22	0.14	3.2
2698518	9.35	13.25	23.16	80.4	776	11.7	1.7	21	0.95	7.6	1.27	0.4	0.1	14.6	0.14	0.97	0.12	44	0.02	0.092	14.2	7.7	0.06	278.2	0.001	<20	0.48	<0.001	0.08	0.05	0.3
2698519	29.23	33.44	94.99	280.7	647	47.8	4.2	25	2.53	28.9	2.33	0.6	0.9	43.2	0.47	4.76	0.24	97	0.03	0.108	22.2	8	0.04	439.7	0.003	<20	0.52	<0.001	0.07	0.08	1
2698520	88.99	59.96	64.05	259.4	2042	62.3	4.8	172	6.82	79.8	6.88	1.4	4.5	150.3	1.68	17.32	0.37	208	0.03	0.196	16.6	16.8	0.03	67.7	0.004	<20	1.39	0.013	0.48	0.32	4
2698521	53.19	29.51	50.11	98.9	1419	16.3	1.1	19	3.5	39.7	3.61	1.2	0.8	106.7	0.69	8.53	0.37	122	0.02	0.159	21.4	11.9	0.03	149.8	0.003	<20	0.48	0.009	0.33	0.36	0.9
2698522	32.58	70.49	30.34	287.7	666	70.1	13.3	193	6.81	23.4	2.64	1.1	4	78.8	0.56	1.4	0.24	89	0.02	0.13	17.4	21.4	0.1	538.7	0.002	<20	1.23	0.01	0.13	<0.05	2.8
2698523	20.75	32.08	24.76	156	1080	21.4	3.7	25	3.61	18.8	1.5	1.7	2.8	114	0.38	6.39	0.31	67	0.01	0.108	21.5	9.6	0.03	718.6	0.001	<20	0.48	0.038	0.18	<0.05	1.6
2698524	47.63	67.48	34.8	465	908	92.9	16.5	322	3.04	31.2	7.24	0.9	2	50.2	5.3	8.33	0.25	117	0.23	0.133	21.5	10.7	0.05	927.4	0.001	<20	0.36	0.002	0.14	0.08	2.4
2698525	26.33	28.5	20.2	232	471	57.3	4.6	65	1.89	19.1	2.4	1.6	1.1	31.6	0.83	2.95	0.22	61	0.04	0.084	21.1	7.8	0.04	366.8	0.002	<20	0.37	0.001	0.09	0.09	1.3
2698526	12.81	10.75	14.31	226.4	294	37.4	4.7	119	1.51	8.4	2.28	4.9	0.4	12	1.78	0.91	0.15	42	0.04	0.114	16.2	9	0.06	309.6	0.002	<20	0.51	0.001	0.08	0.05	0.7
2698527	21.02	28.2	26.84	999	393	98.5	9.9	1092	2.62	15.9	4.45	2.2	0.9	39.4	15.71	1.95	0.29	87	0.31	0.199	20.2	17.7	0.1	719.5	0.004	<20	0.99	<0.001	0.1	0.11	3.1
2698528	8.09	16.72	17.37	130.5	134	25.3	6.5	1494	1.49	3.6	0.75	0.4	<0.1	6.9	1.13	1	0.14	30	0.05	0.127	14.2	9.7	0.04	295.3	0.001	<20	0.45	0.001	0.08	<0.05	0.3
2698529	35.51	18.86	21.67	159.5	211	47.5	6.6	1502	1.41	11.7	3.6	1.1	0.4	26.1	2.61	1.75	0.16	54	0.27	0.161	13	21.6	0.06	475.2	0.003	<20	0.33	0.002	0.1	0.18	0.8
2698530	42.96	21.55	14.31	115.1	330	32.4	2.3	76	1.32	15.9	3.62	0.9	<0.1	28.9	0.66	2.72	0.2	105	0.59	0.108	17.9	22.4	0.09	484.3	0.003	<20	0.36	0.002	0.09	0.3	0.5
2698531	41.98	40.81	13.83	488.5	183	95.8	7.5	199	2.04	26.4	4.89	1.2	0.3	8.5	2.77	5.43	0.17	141	0.3	0.089	20.7	11	0.07	299.4	0.003	<20	0.41	<0.001	0.07	0.1	0.9
2698532	60.83	21.43	60.79	153.4	355	30.7	2.9	50	2.1	23.7	2.65	1.1	0.3	45.3	0.59	2.22	0.31	154	0.02	0.097	28.8	11.8	0.04	299.3	0.004	<20	0.5	0.002	0.1	0.24	0.6
2698533	44.69	106.71	28.69	364.4	473	70.8	7	138	4.71	33.8	6.33	1.4	0.5	29.3	1.13	3.65	0.26	230	0.06	0.13	19.5	13.4	0.04	406.4	0.004	<20	0.94	<0.001	0.09	0.16	1.1
2698534	61.97	59.01	32.51	761.5	1062	131.7	9.7	131	2.68	48.7	6.31	2.7	1	42	7.93	18.54	0.3	141	0.1	0.099	31.2	9.6	0.05	1488.2	0.001	<20	0.37	0.001	0.14	0.08	1.8
2698535	79.88	29.59	38.13	652.1	1004	91.5	2.3	52	2.21	35.4	3.09	2	3.6	21.7	10.64	10.89	0.3	58	0.13	0.04	39.2	5.2	0.03	599.6	<0.001	<20	0.22	0.001	0.1	<0.05	1.1
2698536	97.74	100.39	50.3	647.7	2116	140.8	10.5	303	4.12	69.9	14.36	4.3	4.6	63.3	13.67	12.1	0.48	202	0.43	0.136	29.5	13.7	0.06	860.1	0.002	<20	0.37	0.003	0.16	0.22	3.8
2698537	20.13	19.17	8.76	133.5	2084	21.2	1.8	23	0.87	9.3	1.41	0.6	0.5	7.4	0.56	3.74	0.14	142	0.03	0.046	33.4	8.7	0.03	436.9	0.004	<20	0.39	0.001	0.06	0.11	0.8
2698538	22.29	40.8	22.61	467.8	708	94	12.7	115	3.09	27	1.19	0.2	0.4	24.7	0.35	1.39	0.21	155	0.01	0.094	19.2	11.8	0.04	257.2	0.005	<20	0.56	<0.001	0.05	0.1	0.8
2698539	77.94	21.53	67.72	238.7	342	28.4	2.3	34	1.94	30.2	3.07	0.8	0.4	14	0.27	2.94	0.28	223	0.03	0.076	42.1	21.4	0.04	264.6	0.004	<20	0.62	0.002	0.07	0.44	0.8
2698540	47.97	22.52	25.73	198.9	273	57.6	4.2	73	2.05	28.7	4.54	0.7	1	37.1	0.82	2.31	0.25	104	0.03	0.095	21.8	10	0.04	312	0.002	<20	0.43	0.001	0.1	0.28	0.9
2698541	47.38	40.31	49.52	246.2	709	54.3	3.6	38	2.9	30.3	3.22	0.3	2.8	68.4	0.99	3.8	0.33	186	0.01	0.093	26.3	10.6	0.04	714.4	0.001	<20	0.64	0.007	0.16	0.08	1.6
2698542	27.74	28.78	25.46	290.8	626	78.4	9.2	295	2.11	26.4	2.14	1	1.1	28	1.11	3.98	0.33	46	0.46	0.156	19.6	12.7	0.08	336.4	0.003	<20	0.34	0.002	0.13	0.08	1.8
2698543	6.97	11.52	6.8	65.8	241	14.6	2.9	32	0.89	3	0.61	<0.2	<0.1	4	0.26	0.43	0.1	41	0.01	0.065	18.4	10.4	0.06	170.5	0.002	<20	0.57	<0.001	0.07	<0.05	0.3
2698544	23.3	56.86	22.84	216.3	795	60	5.8	56	2.52	40	3.53	1.8	0.6	28.8	0.55	1.24	0.31	61	0.07	0.135	19.1	12.5	0.05	439.1	0.002	<20	0.47	0.001	0.07	0.09	0.6
2698545	7.72	21.43	15.45	121.2	188	32	6.2	369	1.68	5.3	0.94	0.4	0.1	8.2	0.35	0.83	0.16	32	0.04	0.096	15.2	12.9	0.06	164.7	0.002	<20	0.54	0.002	0.09	<0.05	0.4
2698546	4.44	23.3	16.65	166.7	128	30.5	10.7	834	1.66	3.6	0.86	0.8	<0.1	11.7	1.77	0.9	0.18	20	0.32	0.176	10.8	12.1	0.09	244.7	0.002	<20	0.36	0.002	0.12	<0.05	0.3
2698547	7.48	21.2	23.68	155.2	558	25	20.7	5596	1.55	3.8	0.66	<0.2	<0.1	8.2	1.24	0.87	0.21	34	0.1	0.127	14	11.3	0.05	891.5	0.002	<20	0.47	0.002	0.11	<0.05	0.3
2698548	4.91	21.38	12.7	133.2	144	30	7.3	717	1.66	3.3	0.66	<0.2	<0.1	7.8	1.02	0.99	0.15	20	0.2	0.134	12.3	11.8	0.07	207.3	0.002	<20	0.29	0.002	0.11	<0.05	0.4
2698549	27.29	27.37	14.8	163.1	113	52.5	6.7	156	2.29	11.8	1.9	<0.2	0.5	13.2	0.97	2.92	0.17	33	0.27	0.115	15.3	4.7	0.07	171.2	0.002	<20	0.23	0.002	0.06	<0.05	1.1
2698550	7.12	38.47	18.78	230.4	873	58.1	10	365	2.29	5.4	1.54	0.6	1.4	32.5	2.02	2.1	0.19	23	1.08	0.197	18.2	7.4	0.14	212.9	0.002	<20	0.28	0.002	0.08	<0.05	4.1
2698551	11.56	40.89	19.25	296	139	55.9	7	101	2.39	10.9	1.26	0.4	0.1	11.1	0.38	2.03	0.26	37	0.12	0.082	18.2	10	0.05	137	0.006	<20	0.38	0.001	0.07	<0.05	0.6
2698552	11.12	24.26	13.63	187.5	126	52	5.8	145	1.78	5.8	0.75	0.4	0.1	5.3	0.42	1.52	0.17	32	0.02	0.061	19	24.2	0.04	95.9	0.004	<20	0.37	<0.001	0.08	<0.05	0.6
2698553	15.69	65.95	12.75	489.7	1219	139.2	8.7	161	2.09	17.5	5.72	1.5	0.4	47.4	3.14	4.5	0.19	104	0.71	0.253	21.5	30.6	0.14	356.1	0.003	<20	0.61	0.002	0.1	0.11	1.3
2698554	7.82	15.58	10.51	109.6	166	26.6	3.7	55	1.14	5.5	0.66	<0.2	<0.1	7	0.43	0.84	0.11	30	0.04	0.085	14.2	9.5	0.04	117.1	0.001	<20	0.42	0.001	0.07	<0.05	0.3
2698555	22.79	28.29	15.37	212.5	184	56.6	5.7	50	1.72	19.5	1.66	0.3	<0.1	17.9	0.43	1.82	0.19	74	0.04	0.101	17	10.8	0.04	220.8	0.002	<20	0.41	0.001	0.08	0.09	0.4
2698556	41.72	49.18	15.06	565.5	483	116.5	11.7	459	2.2	18.6	3.68	0.5	1.4	18.5	5.87	5.71	0.15	72	0.8	0.1	17.4	7.9	0.15	449	0.002	<20	0.22	0.002	0.06	0.08	5
2698557	28.53	24.78	9.37	142.1	174	51.5	4.3	120	1.14	13.1	1.86	<0.2	0.4	15.9	0.99	1.35	0.13	56	0.23	0.064	16.3	6.9	0.04	322.6	0.003	<20	0.2	0.001	0.07	0.21	0.8
2698558	19.04	17.15	32.81	111.8	242	22.7	1.7	45	1.03	17.9	2.18	1.1	0.1	21.3	0.69	1.35	0.24	62	0.13	0.064	20.6	11.1	0.05	336.6	0.004	<20	0.33	<0.001	0.1	0.13	0.4
2698559	4.33	22.03	32.61	271.1	84	33.3	7.7	368	1.77	5.4	0.65	<0.2	0.5	5.8	1.05	1.64	0.14	24	0.15	0.083	14.8	7.5	0.08	287.1	0.003	<20	0.33	<0.001	0.12	<0.05	1.2
2698560	5.9	25.64	46.57	272.5	190	43.7	9.7	403	2.79	7	0.9	<0.2	0.8	6.5	2.36	1.64	0.16	26	0.14	0.069	15.8	10.5	0.12	939.7	0.004	<20	0.59	<0.001	0.11	<0.05	2.2
2698561	10.73	20.16	28.78	309.1	75	40.5	7.6	153	1.62	9	0.81	0.3	0.1	8	1.11	2.38	0.2	26	0.24	0.105	16.1	9	0.11	637.6	0.003	<20	0.43	0.001	0.11	<0.05	0.7
2698562	3.58	14.46	26.12	169.6	306	23.1	7.1	980	1.22	4.3	0.54	<0.2	0.5	23.6	2.04	1.49	0.09	13	1.75	0.145	13.3	7.5	0.16	329.8	0.002	<20	0.35	0.003	0.09	<0.05	1.3
2698563	9.66	12.99	26.72	28.4	621	41.1	10.6	402	2.2	6.8	0.87	0.7	1.7	24.5	0.25	2.21	0.18	12	1.84	0.085	12.7	5.5	0.82	139.2	0.001	<20	0.26	0.003	0.09	<0.05	4.6
2698564	15.25	15.62	36.49	222.7	363	52.4	7	84	2.04	11.5	1.17	0.6	0.6	25.3	0.32	3.22	0.21	39	0.05	0.121	15.7	7.9	0.04	350.3	0.001	<20	0.38	<0.001	0.1	<0.05	0.6
2698565	23.77	55.9	22.71	404	1014	78.1	5.4	149	1.85	13.9	9.98	1	0.9	83.1	10.27	5.75	0.18	93	1.79	0.135	13.7	9	0.23	1009.6	0.002	<20	0.42	0.003	0.11	0.06	2
2698566	30.07	52.59	27.54	477.2	1036	93.8	7.2	234	2.08	13.6	4.85	0.9	1.7	96.5	9.41	6.2	0.21	50	0.8	0.099	16.3	6	0.09	641.3	0.001	<20	0.28	0.009	0.13	0.06	2.9
2698567	45.65	55.25	29.05	346.3	1301	78.7	4.2	150	2.08	19.4	6.14	0.9	1.5	119.3	6.14	7	0.27	87	0.48	0.096	18.1	6.4	0.07	748.6	0.001	<20	0.35	0.013	0.15	0.05	2.1
2698568	26.62	35.86	60.23	63.7	1804	11	1	20	6.4	52.2	1.36	1	5.1	156.5	0.28	4.06	0.5	74	0.01	0.162	9.1	12.3	0.01	54.9	0.004	<20	0.24	0.012	0.74	<0.05	1.4
2698569	19.28	74.19	42.63	567.2	819	104.1	9.9	85	3.96	34.4	2.61	1.2	<0.1	157.5	0.65	3.69	0.32	55	0.07	0.243	10.3	9.1	0.02	1509.9	0.001	<20	0.38	0.005	0.15	<0.05	0.3
2698570	13.35	26.53	38.16	144.2	595	24.7	3.1	44	1.96	13.3	1.28	0.5	<0.1	103.2	0.33	2.65	0.31	60	0.04	0.132	10.5	10.2	0.03	1136.1	0.002	<20	0.41	0.004	0.13	<0.05	0.3
2698571	10.74	28.1	32.58	154.3	447	31	3.6	32	1.67	17.7	1.37	0.5	0.3	87.6	0.24	2	0.24	58	0.03	0.108	9.5	7.7	0.03	1150.1	0.003	<20	0.42	0.002	0.1	0.07	0.7
2698572	14.91	34.32	21.97	63.2	653	13.2	1.1	21	0.98	11.3	2.71	1	0.3	64.3	0.16	3.02	0.25	63	0.03	0.063	14.4	6.8	0.02	585.9	0.004	<20	0.36	0.001	0.07	0.15	0.5
2698573	10.39	30.77	18.13	23.6	553	4.7	0.4	7	0.57	4.4	4.32	3.2	1	53.4	0.1	3.47	0.26	44	0.01	0.035	15.6	4.8	0.01	302.8	0.002	<20	0.2	0.001	0.09	0.11	0.6
2698574	4.79	19.02	22.64	15.3	501	2.4	0.2	12	0.57	4.1	1.72	1.6	1.9	64.8	0.05	1.79	0.24	17	0.01	0.038	12.1	3.5	<0.01	1821.6	0.001	<20	0.2	0.002	0.08	<0.05	0.7
2698575	10.97	30.43	25.73	57.2	647	13.4	1.9	28	2.1	21.2	1.63	1.1	0.9	85	0.16	2.21	0.28	48	0.04	0.132	9.6	9.5	0.05	903.4	0.003	<20	0.49	0.002	0.16	0.05	0.8
2698576	9.45	24.36	30.17	97.4	467	25	4.1	22	1.9	16.4	1.79	1.5	1.7	69	0.06	2	0.27	20	0.01	0.072	2.8	5.3	0.01	493.4	<0.001	<20	0.28	0.003	0.1	<0.05	1.1
2698577	14.95	55.28	22.65	354.6	571	68.2	7.2	63	1.47	19.5	4.54	2.9	1.9	88.5	1.47	3.39	0.31	48	0.07	0.101	17	12.1	0.03	904.1	0.001	<20	0.47	0.001	0.07	0.08	2.2
2698578	7.01	17.03	16.8	165.4	85	30.5	9	496	1.7	5	0.83	0.6	0.2	8.2	1.14	1.31	0.15	22	0.19	0.164	13.3	6.7	0.06	185.6	0.002	<20	0.34	0.002	0.08	0.05	0.8
2698579	5.66	16.75	11.22	139.2	72	26	4.9	324	1.41	3.6	0.69	0.8	<0.1	4.3	0.34	0.93	0.14	26	0.02	0.119	12.4	6.8	0.04	150.7	0.001	<20	0.45	0.001	0.07	<0.05	0.3
2698580	22.42	25.55	22.25	219.6	305	51.5	5.3	85	2.6	23	2.46	1	0.2	109.6	0.42	2.24	0.27	64	0.03	0.125	17.7	10.7	0.06	373.6	0.004	<20	0.47	0.002	0.11	0.1	0.4
2698581	26.84	40.81	19.55	415.3	266	104.5	8	186	2.38	25.3	3.53	0.9	0.1	52.7	2.63	3.81	0.25	99	0.06	0.158	13.9	16.7	0.04	394.2	0.002	<20	0.4	0.002	0.12	0.12	0.4
2698582	32.3	32.09	24.87	182.2	663	42.7	4.6	89	2.33	23.8	2.75	1.5	0.1	38.2	0.4	3.46	0.28	85	0.03	0.104	16.7	9.1	0.04	365.4	0.004	<20	0.43	0.002	0.11	0.11	0.5
2698583	21.33	24.11	24.38	119.4	538	20.6	2.3	46	1.13	10.4	1.24	0.5	<0.1	37	0.16	1.93	0.27	93	0.04	0.06	17.7	7.3	0.02	368	0.003	<20	0.26	0.001	0.08	0.11	0.4
2698584	31.3	104.37	26.96	683.2	1651	140.3	15.5	88	3.57	68.7	3.87	1.6	1.1	19.4	1.13	4.55	0.44	140	0.03	0.11	24.5	17.5	0.06	1765.1	0.004	<20	1.1	0.001	0.1	0.16	0.9
2698585	10.75	12.53	5.55	58.8	764	10.1	1.3	19	0.48	3.3	0.9	0.8	0.2	13.6	0.37	0.47	0.09	43	0.02	0.066	19	9.3	0.02	296.4	0.002	<20	0.28	0.001	0.05	0.06	0.5
2698586	84.51	43.82	14.92	150.4	1397	26.9	1.5	37	3.3	24.7	4.61	1.9	0.9	39.5	0.39	7.98	0.31	295	0.02	0.114	21.1	10.1	0.02	322.9	0.003	<20	0.41	0.002	0.07	0.26	0.8
2698587	128.59	18.35	25.16	21	932	7.2	0.3	24	1.63	33.5	3.39	1.7	0.4	15.7	0.19	11.46	0.49	148	0.05	0.06	39	5.5	0.02	421.6	0.002	<20	0.23	0.002	0.11	0.48	0.5
2698588	23.19	11.8	10.14	43.5	1283	9.4	0.7	12	0.56	6.8	1.72	0.8	0.4	7.8	0.25	1.75	0.17	101	0.04	0.045	22.6	7.4	0.02	198.9	0.003	<20	0.25	<0.001	0.04	0.15	0.6
2698589	43.44	34.02	28.83	249.3	1076	41	3.8	151	2.27	17.5	3.89	1.4	0.1	91.8	1.57	5.09	0.28	92	0.12	0.135	17.5	9.1	0.04	932.9	0.001	<20	0.38	0.021	0.16	0.06	0.4
2698590	21.45	24.31	29.77	124.3	746	21.2	2.4	28	1.69	14.4	1.37	1.2	0.2	38.6	0.38	2.44	0.29	98	0.01	0.099	17.9	13.1	0.03	856.7	0.003	<20	0.45	0.003	0.13	0.09	0.5
2698591	50.9	25.19	44.53	157.7	2220	32	2.6	58	3.94	60	2.55	2.3	0.7	118.7	0.45	10.88	0.46	170	0.07	0.16	16.5	13.3	0.03	173.1	0.008	<20	0.35	0.01	0.3	0.18	0.8
2698592	15.43	22.08	23.36	138.4	986	10.9	2.6	25	1.55	17.2	2.21	0.8	0.3	72.1	1.81	1.5	0.31	65	0.13	0.136	16.3	10.5	0.06	1400.3	0.001	<20	0.52	0.005	0.18	<0.05	0.4
2698593	37.75	24.09	28.2	138.2	564	12.6	1.2	46	2.99	20.5	1.32	0.5	1.4	44.9	1.25	1.26	0.33	58	0.08	0.106	21.9	10.7	0.05	605.3	0.002	<20	0.63	0.003	0.15	0.06	0.9
2698594	76.56	42.55	84.59	223.2	1189	28.4	2.6	100	4.13	63.5	4.82	1	0.1	80.6	2.46	5.92	0.29	139	0.08	0.227	12.5	10.8	0.04	141	0.002	<20	0.54	0.013	0.35	0.08	0.4
2698595	147.09	86.1	132.46	1321.1	2186	294.9	50.4	1580	11.62	207.5	31.69	2.4	5.4	332.2	2.97	21.4	0.24	177	0.37	0.374	11.8	9.9	0.04	66.7	0.004	<20	1.15	0.017	0.5	0.1	6.7
2698596	10.18	49.68	100.24	1232.1	970	69.5	6.4	488	2.05	5.2	4.88	1.6	0.3	39.9	20.15	1.97	0.35	66	1.02	0.417	25.3	24	0.14	1043.9	0.005	<20	0.64	0.003	0.14	0.08	1
2698597	5.18	123.86	297.88	1193.2	2159	88.8	5.3	100	2.82	9	6.96	3.5	1	165	39.02	3.36	1.11	59	1.48	0.753	35.9	28.6	0.12	1029.7	0.007	<20	0.66	0.004	0.3	0.11	1.4
2698598	17.58	32.27	35.08	70.3	1746	56.1	9.4	362	2.11	9.1	2.01	0.9	1.6	13.1	0.68	1.68	0.21	31	1.09	0.125	17.7	10.1	0.28	288.1	0.003	<20	0.39	0.003	0.12	<0.05	4.5
2698599	10.47	36.65	33.51	60.6	1723	46.6	8.5	274	1.94	7.5	1.52	1.1	1.8	10.9	0.33	1.33	0.2	24	0.72	0.092	19.4	8.4	0.22	462.4	0.003	<20	0.38	0.001	0.09	<0.05	4.7
2698600	1.84	29.04	27.55	87.4	1348	33.1	10	318	2.06	2.9	0.82	1.3	1.3	10	0.33	1.08	0.2	8	0.82	0.072	18.7	5.9	0.19	202.8	0.002	<20	0.26	0.001	0.07	<0.05	4.8
2698601	4.34	29.24	30.08	299	693	39.4	8.5	464	2.08	4	0.96	1.1	1.3	17.4	1.32	0.97	0.21	23	0.32	0.115	22.9	9.2	0.1	313.9	0.001	<20	0.35	0.001	0.07	<0.05	3.9
2698602	6.18	22.95	35.08	269.8	364	42.8	7.9	915	1.52	6	0.87	1.5	1.1	23.5	3.04	2.34	0.11	12	1.42	0.144	19.4	21.9	0.23	303.6	0.002	<20	0.32	0.003	0.1	<0.05	2.2
2698603	3.5	43.34	66.8	344.9	1324	59.9	15.8	903	3.84	6.6	1.64	0.8	4.6	9.6	1.83	1.58	0.23	25	0.27	0.099	28.2	20.7	0.44	640.3	0.005	<20	0.8	<0.001	0.15	<0.05	5.3

SAMPLE_NO	LB_Tl_ppm	LB_S_pct	LB_Hg_ppb	LB_Se_ppm	LB_Te_ppm	LB_Ga_ppm	LB_Cs_ppm	LB_Ge_ppm	LB_Hf_ppm	LB_Nb_ppm	LB_Rb_ppm	LB_Sn_ppm	LB_Ta_ppm	LB_Zr_ppm	LB_Y_ppm	LB_Ce_ppm	LB_In_ppm	LB_Re_ppb	LB_Be_ppm	LB_Li_ppm	LB_Pd_ppb	LB_Pt_ppb
TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT
2698501	0.98	0.23	205	3.1	0.07	0.9	1.11	<0.1	<0.02	0.04	8.9	0.3	<0.05	1.8	10.7	58.2	0.05	6	0.2	1.2	<10	<2
2698502	1.16	0.25	105	5.1	0.16	1	1.73	<0.1	<0.02	0.06	11.6	0.4	<0.05	0.6	8.94	42.8	0.04	19	0.3	0.6	<10	<2
2698503	1.29	0.43	200	15.4	0.21	1.4	1.33	<0.1	0.02	0.03	12.7	0.4	<0.05	1.2	7.76	30.8	0.03	42	0.2	1.3	<10	4
2698504	2.29	0.29	340	35.6	0.34	1.2	1.81	<0.1	0.03	0.03	10.3	1.5	<0.05	0.8	12.24	24.2	0.06	36	0.3	1.2	<10	9
2698505	1.03	0.26	161	4.2	0.12	1.1	2.08	<0.1	0.1	0.06	11.9	0.3	<0.05	3	84.44	48.6	0.06	4	1.7	3.4	<10	2
2698506	3.38	0.08	725	19.9	0.81	1.2	1.37	0.1	0.2	0.07	5.7	0.8	<0.05	16.3	56.7	61.9	0.02	121	0.9	1.6	<10	6
2698507	2.42	0.25	201	3.2	0.08	1	0.5	<0.1	0.1	0.05	7.1	0.3	<0.05	4.1	14.64	28.1	0.03	4	0.8	2.3	<10	<2
2698508	2.96	0.29	129	3.7	0.07	0.9	0.71	<0.1	<0.02	0.06	9.9	0.2	<0.05	0.6	6.89	35.8	0.02	8	0.4	1.1	<10	2
2698509	3.35	0.46	195	10.6	0.16	1.3	1.09	<0.1	0.02	0.06	11.6	0.3	<0.05	0.7	6.53	34.5	0.04	7	0.2	1.1	<10	<2
2698510	2.05	0.67	234	7.2	0.17	1.9	1.24	<0.1	0.02	0.07	18.9	0.6	<0.05	1.2	8.6	36.3	0.06	6	0.4	2.9	<10	3
2698511	1.25	0.16	189	9.4	0.15	1.3	2.2	<0.1	0.04	0.07	9.7	0.3	<0.05	2.5	23.91	44.7	0.06	25	0.6	3.3	<10	3
2698512	0.57	0.03	41	4.2	0.12	4.3	2.76	<0.1	0.04	0.27	17.6	0.8	<0.05	1	4.11	50.1	0.03	3	0.3	2	<10	<2
2698513	1.14	0.07	47	3.3	0.14	2.9	2.17	<0.1	<0.02	0.12	14.5	0.6	<0.05	0.4	5.07	48.6	0.02	3	0.4	1.3	<10	<2
2698514	1.47	0.14	220	12.4	0.19	1	1.81	<0.1	<0.02	0.19	8.6	1.5	<0.05	0.8	17.63	44.8	0.03	64	0.5	1.2	<10	3
2698515	0.61	0.07	83	3.3	0.1	3.1	1.73	<0.1	<0.02	0.12	9.5	1.4	<0.05	0.3	4.91	41.7	<0.02	6	0.3	1.6	<10	3
2698516	1.79	0.41	60	4.3	0.14	3.4	1.82	<0.1	<0.02	0.12	13.8	1	<0.05	0.5	4.93	35.5	0.03	6	0.2	2.4	<10	<2
2698517	1.56	0.36	185	12	0.25	1.9	1.22	<0.1	0.03	0.25	13.5	0.5	<0.05	0.9	21.91	35.5	0.04	16	0.5	3.8	<10	5
2698518	0.76	0.06	58	1.2	0.04	2.1	0.91	<0.1	<0.02	0.05	9.7	0.3	<0.05	<0.1	2.14	24.4	<0.02	2	0.2	2.3	<10	<2
2698519	1.42	0.06	53	5.3	0.12	2.1	1.1	<0.1	<0.02	0.09	8.8	0.4	<0.05	1	5.32	37	0.04	8	0.4	1.3	<10	<2
2698520	5.68	1.42	387	15	0.24	2.7	1.88	<0.1	0.09	0.16	24.2	1.2	<0.05	3.6	8.32	30.2	0.13	10	0.1	3.4	<10	2
2698521	3.55	0.9	198	7.6	0.2	2.2	1.69	<0.1	<0.02	0.08	18	1.4	<0.05	0.3	4.25	36.7	0.07	5	0.3	1.8	<10	3
2698522	1.04	0.26	94	3.2	0.11	3.2	2.96	<0.1	0.08	0.15	14.5	0.6	<0.05	2.9	8.05	31.7	0.05	6	0.4	4.4	<10	2
2698523	0.71	0.48	48	13.6	0.12	2.4	2.3	<0.1	0.02	0.06	18.6	0.5	<0.05	0.6	3.56	38.6	0.06	<1	0.1	1.9	<10	<2
2698524	1.06	0.17	161	9.7	0.17	1.1	1.94	<0.1	0.03	0.11	8.9	0.3	<0.05	0.8	13.35	34.5	0.03	52	0.3	2	<10	<2
2698525	0.91	0.08	111	1.6	0.09	1.1	0.77	<0.1	<0.02	0.06	7.2	0.2	<0.05	0.7	6.89	36.2	0.02	8	0.3	2	<10	<2
2698526	0.52	0.04	41	0.7	0.05	1.7	1.34	<0.1	<0.02	0.05	10.4	0.3	<0.05	0.3	4.89	27.3	0.02	2	0.6	3.6	<10	<2
2698527	1.76	0.12	195	2.1	0.07	2.4	3.22	<0.1	0.04	0.14	13	0.4	<0.05	1.3	23.72	35.7	0.04	3	0.8	5.3	<10	<2
2698528	0.22	0.06	25	0.6	0.03	1.7	1.36	<0.1	<0.02	0.02	11.4	1	<0.05	<0.1	2.18	23.7	<0.02	<1	0.3	1.2	<10	2
2698529	2.47	0.12	38	1.3	0.08	1.2	1.46	<0.1	0.03	0.14	12.5	2.4	<0.05	1	4.19	23.5	<0.02	3	0.3	1.3	<10	<2
2698530	0.66	0.08	59	1.6	0.17	1.8	1.06	<0.1	<0.02	0.12	9.4	1.9	<0.05	0.1	3.2	29	<0.02	2	0.4	1	<10	<2
2698531	0.8	0.04	48	2	0.08	1.4	0.35	<0.1	<0.02	0.09	5.4	0.4	<0.05	0.4	14.79	33.8	0.03	2	0.4	3	<10	2
2698532	1.95	0.1	27	2.3	0.18	3.4	1.98	<0.1	<0.02	0.09	12	0.9	<0.05	<0.1	4.19	46.4	<0.02	2	0.2	1.4	<10	<2
2698533	1.27	0.1	45	4	0.14	2.8	1.5	<0.1	<0.02	0.18	10.4	0.4	<0.05	0.3	6.67	31.3	0.05	3	0.5	1.4	<10	<2
2698534	1.85	0.11	148	9.3	0.19	1.1	1.45	<0.1	<0.02	0.12	9.2	0.3	<0.05	0.5	12.72	45.5	0.03	20	0.5	1.9	<10	3
2698535	0.91	0.02	150	6	0.15	0.8	1.05	<0.1	0.06	<0.02	7.5	0.3	<0.05	3.6	4.29	61.5	<0.02	26	0.2	1	<10	3
2698536	4.21	0.19	357	16.5	0.35	1.1	1.79	<0.1	0.07	0.23	9.6	0.8	<0.05	3.2	18.43	47	0.05	41	0.7	1.6	<10	4
2698537	0.63	0.03	42	1.1	0.1	2.4	1.65	<0.1	<0.02	0.09	7.6	0.9	<0.05	0.1	3.24	52.1	<0.02	5	0.1	1.1	<10	<2
2698538	0.56	0.04	25	1.2	0.14	4.1	1.17	<0.1	<0.02	0.15	6.4	0.7	<0.05	<0.1	4.49	32.7	<0.02	3	<0.1	1.2	<10	<2
2698539	0.95	0.03	22	1.7	0.27	5.2	2.44	<0.1	<0.02	0.12	9.8	1.8	<0.05	0.2	4.85	64.9	<0.02	4	0.3	1.7	<10	<2
2698540	1.8	0.08	55	1.6	0.14	1.9	1.49	<0.1	<0.02	0.08	9.7	0.5	<0.05	0.6	5.56	36.4	<0.02	6	0.4	1.7	<10	<2
2698541	1.13	0.26	34	4.7	0.14	2.8	2.78	<0.1	<0.02	0.09	12.7	0.5	<0.05	0.6	4.55	40.9	0.03	12	0.4	1.7	<10	<2
2698542	1.32	0.11	85	2.5	0.12	0.9	0.85	<0.1	0.04	0.11	7.8	0.4	<0.05	1.3	12.64	35.3	0.03	5	0.4	3.5	<10	<2
2698543	0.41	<0.02	18	0.2	0.04	3.4	1.32	<0.1	<0.02	0.04	8.5	0.7	<0.05	<0.1	1.87	30.5	<0.02	<1	0.2	1.7	<10	<2
2698544	0.99	0.07	89	1.3	0.11	1.7	0.75	<0.1	<0.02	0.06	8.2	0.6	<0.05	0.5	7.14	34.5	0.04	8	0.5	1.8	<10	<2
2698545	0.24	0.04	24	0.5	<0.02	2.4	1.09	<0.1	<0.02	0.06	10.2	1.5	<0.05	<0.1	2.88	27.3	<0.02	<1	0.3	1.9	<10	<2
2698546	0.14	0.1	32	0.4	0.03	1.7	1.39	<0.1	<0.02	0.06	10	0.7	<0.05	<0.1	2.84	20.2	0.02	<1	0.5	1.3	<10	<2
2698547	0.52	0.07	25	0.6	0.04	2.3	2.58	<0.1	<0.02	0.03	15.5	0.7	<0.05	<0.1	1.96	26.5	<0.02	<1	0.2	1.5	<10	<2
2698548	0.16	0.08	21	0.6	<0.02	1.4	1.26	<0.1	<0.02	0.07	8.9	1.1	<0.05	<0.1	2.38	21.5	<0.02	<1	0.2	1.4	<10	<2
2698549	0.4	0.04	36	1.1	0.03	0.9	0.4	<0.1	<0.02	0.06	5.9	0.2	<0.05	0.4	7.88	28.5	0.02	1	0.5	1.5	<10	<2
2698550	0.16	0.12	98	2.4	0.09	0.7	0.46	<0.1	0.11	0.09	5.9	0.4	<0.05	4	21.42	31.2	0.03	2	0.7	1.3	<10	<2
2698551	0.26	0.04	17	0.8	0.06	2.1	0.9	<0.1	<0.02	0.12	10.2	0.8	<0.05	<0.1	3.9	32.3	<0.02	<1	0.4	1.2	<10	<2
2698552	0.22	0.02	18	0.7	0.07	1.8	0.71	<0.1	<0.02	0.05	9.5	1.8	<0.05	<0.1	3.08	33.7	<0.02	<1	0.2	1	<10	<2
2698553	0.68	0.07	206	5.1	0.12	1.6	0.86	<0.1	0.02	0.07	11.8	0.5	<0.05	0.7	26.01	32.9	0.03	3	0.9	11.3	<10	4
2698554	0.23	0.03	20	0.5	0.04	2	0.61	<0.1	<0.02	<0.02	8.2	0.5	<0.05	<0.1	1.98	24.1	<0.02	<1	0.1	1	<10	2
2698555	0.62	0.05	30	1.5	0.1	2.7	1.05	<0.1	<0.02	0.03	9.4	0.7	<0.05	<0.1	3.75	27.7	<0.02	3	0.4	1.2	<10	2
2698556	0.67	0.06	176	1.8	0.08	0.6	0.63	<0.1	0.11	0.08	5	0.2	<0.05	4	35.67	26.8	<0.02	<1	0.5	2	<10	2
2698557	0.68	0.04	31	0.9	0.1	1.2	0.66	<0.1	<0.02	0.07	4.4	0.4	<0.05	0.3	3.4	26.6	<0.02	6	0.2	1	<10	2
2698558	1.36	0.04	25	1.1	0.14	2.4	0.88	<0.1	<0.02	0.13	10.5	0.6	<0.05	<0.1	3.8	31.5	<0.02	5	0.2	1.7	<10	<2
2698559	0.13	0.03	23	0.8	0.04	1.2	0.69	<0.1	0.02	0.07	9.5	0.2	<0.05	0.6	3.66	26.4	0.02	<1	0.5	2.3	<10	2
2698560	0.18	0.03	18	1	0.04	1.8	1.03	<0.1	<0.02	0.16	10.9	1.1	<0.05	0.6	6.31	31.4	0.03	<1	0.5	3.5	<10	<2
2698561	0.18	0.04	17	0.7	0.03	1.6	1.12	<0.1	<0.02	0.09	11	0.7	<0.05	0.1	4.44	29	<0.02	<1	0.5	2.3	<10	<2
2698562	0.23	0.12	60	0.8	0.03	0.8	0.68	<0.1	0.06	0.1	6.2	0.5	<0.05	1.5	16.24	22.8	<0.02	<1	0.8	2.1	<10	2
2698563	0.25	0.04	71	0.8	0.04	0.6	0.58	<0.1	0.09	0.04	5.1	0.2	<0.05	3.4	17.71	24.4	<0.02	<1	0.9	1.7	<10	<2
2698564	0.52	0.1	21	1.9	0.07	1.4	0.62	<0.1	<0.02	0.03	7.1	0.4	<0.05	0.4	3.18	27	<0.02	<1	0.4	1.1	<10	3
2698565	0.63	0.26	211	3.8	0.06	1.2	0.32	<0.1	0.08	0.22	6.3	0.3	<0.05	2.9	23.66	19.1	0.02	6	0.8	2.2	<10	3
2698566	0.56	0.21	168	4.3	0.08	0.7	0.33	<0.1	0.1	0.12	5.2	0.3	<0.05	3.5	18.26	27.9	0.03	4	0.6	1.5	<10	3
2698567	0.71	0.27	182	6.5	0.18	1.2	0.3	<0.1	0.09	0.06	6.2	0.4	<0.05	2.3	12.09	28.8	0.02	21	0.6	1.9	<10	3
2698568	2.84	1.98	132	5.9	0.37	2.5	1.84	<0.1	<0.02	0.12	48	0.5	<0.05	1.3	3.65	24.3	0.04	3	0.2	2.1	<10	4
2698569	0.91	0.35	58	5.3	0.17	1.5	1.9	<0.1	<0.02	0.04	14.6	0.3	<0.05	<0.1	9.87	22.4	0.05	2	0.5	0.8	<10	<2
2698570	0.72	0.27	38	4.6	0.16	2.8	1.7	<0.1	<0.02	0.08	14.5	0.5	<0.05	0.1	2.98	21.2	0.02	<1	0.2	0.9	<10	<2
2698571	0.69	0.2	21	2.8	0.13	2.2	1.75	<0.1	<0.02	0.11	12.1	0.4	<0.05	0.1	3.3	21.1	<0.02	2	0.2	1.2	<10	3
2698572	0.9	0.14	65	3.1	0.12	1.8	1.09	<0.1	<0.02	0.1	8.6	0.3	<0.05	0.2	2.84	26.2	<0.02	6	0.2	0.7	<10	2
2698573	1.18	0.15	107	1.8	0.13	0.9	1.16	<0.1	<0.02	0.06	6.9	0.2	<0.05	0.1	2.39	28.4	0.03	10	0.2	0.8	<10	3
2698574	0.52	0.16	59	1.9	0.07	0.7	2.71	<0.1	<0.02	0.08	8	0.3	<0.05	0.1	1.95	26.7	<0.02	3	<0.1	0.7	<10	<2
2698575	0.77	0.35	49	3.1	0.12	2.1	1.45	<0.1	<0.02	0.12	13.3	0.4	<0.05	0.3	2.8	22.5	0.02	3	0.2	1.9	<10	3
2698576	0.65	0.2	52	1	0.11	0.8	5.52	<0.1	<0.02	0.03	12.1	0.1	<0.05	0.3	3.39	9.2	0.03	2	0.2	1.4	<10	<2
2698577	1.18	0.11	123	3.8	0.12	1	1.51	<0.1	0.05	0.07	7.6	0.3	<0.05	1.6	17.96	32.7	0.03	6	0.5	2.2	<10	2
2698578	0.15	0.05	17	0.6	0.04	1.1	0.57	<0.1	<0.02	0.05	5.7	0.5	<0.05	0.2	5.76	26.7	0.03	<1	0.6	1.1	<10	2
2698579	0.15	0.05	23	0.5	0.03	1.7	0.76	<0.1	<0.02	0.03	8.8	0.4	<0.05	<0.1	2.42	23	0.02	<1	0.6	1	<10	2
2698580	0.93	0.2	32	1.8	0.1	2.5	0.62	<0.1	<0.02	0.1	10.2	0.5	<0.05	<0.1	4.63	30.2	0.03	3	0.4	2	<10	<2
2698581	1.04	0.15	38	3.4	0.13	2	0.53	<0.1	<0.02	0.03	10.1	0.4	<0.05	<0.1	7.58	22	<0.02	1	0.7	2.8	<10	2
2698582	1.2	0.16	70	2.7	0.12	2.4	1.05	<0.1	<0.02	0.09	9.6	0.4	<0.05	<0.1	3.76	27.6	<0.02	5	0.2	1.5	<10	3
2698583	0.61	0.1	20	1.9	0.09	2.5	1.02	<0.1	<0.02	0.04	8.2	0.5	<0.05	<0.1	2.47	30.2	<0.02	2	0.2	0.7	<10	2
2698584	1.63	0.18	92	6.1	0.17	4.8	0.88	<0.1	<0.02	0.41	11.2	1.4	<0.05	0.7	7.92	44.9	0.05	3	0.7	5.9	<10	3
2698585	0.31	0.02	21	0.5	0.07	1.7	1.44	<0.1	<0.02	0.05	7.6	0.5	<0.05	<0.1	1.48	29.9	<0.02	3	0.2	0.8	<10	2
2698586	0.79	0.09	96	6.7	0.44	2	0.85	<0.1	<0.02	0.1	6.9	0.4	<0.05	0.4	4.85	35.1	0.02	18	0.6	0.9	<10	4
2698587	1.24	0.14	109	10.3	0.38	1.1	0.86	<0.1	<0.02	0.02	7.9	0.3	<0.05	<0.1	3.97	63.4	<0.02	17	0.3	1.2	<10	3
2698588	0.45	0.02	39	1.2	0.13	1.7	1.02	<0.1	<0.02	0.07	5.7	0.5	<0.05	<0.1	2.46	37.3	<0.02	14	<0.1	0.6	<10	<2
2698589	0.95	0.38	30	5.8	0.19	1.6	0.73	<0.1	<0.02	0.04	10.3	0.4	<0.05	<0.1	7.3	27.8	0.02	8	0.5	1.5	<10	<2
2698590	0.79	0.19	40	2.3	0.17	2.9	1.78	<0.1	<0.02	0.13	12.2	1.1	<0.05	0.1	2.62	30.9	0.02	3	0.3	1.1	<10	2
2698591	4.01	0.75	100	7.9	0.29	2.5	1.07	<0.1	<0.02	0.32	16.2	0.8	<0.05	0.3	4.27	26.9	0.06	10	0.4	2	<10	3
2698592	0.49	0.21	17	4.9	0.14	3	0.61	<0.1	<0.02	0.13	13	0.5	<0.05	<0.1	1.86	28.8	0.04	3	0.4	1.3	<10	<2
2698593	0.63	0.11	21	2.3	0.13	3.2	0.6	<0.1	<0.02	0.18	11.6	0.4	<0.05	0.5	2.57	37	0.02	2	0.4	1.5	<10	2
2698594	5.24	0.91	39	8.9	0.22	2.5	1.31	<0.1	<0.02	0.06	19.1	0.7	<0.05	<0.1	4.63	21	0.06	3	0.2	2	<10	<2
2698595	14.81	1.29	213	13.1	0.26	1.6	1.91	0.1	0.04	0.09	24.3	0.2	<0.05	2.8	16.38	22.5	0.13	10	0.4	4.4	<10	5
2698596	0.15	0.13	2176	4.9	0.12	2.5	1.01	<0.1	<0.02	0.15	11.7	2.5	<0.05	0.3	26.67	38.5	0.14	3	1.1	9.2	<10	3
2698597	0.36	0.3	4622	6.7	0.3	2.8	1.52	<0.1	0.04	0.04	12.2	1.1	<0.05	0.4	30.28	40	0.15	1	1.3	9.2	<10	6
2698598	0.22	0.11	203	2.5	0.07	1	1.31	<0.1	0.17	0.1	7.9	0.4	<0.05	5.1	21.59	30.3	0.02	<1	1.1	6.5	<10	3
2698599	0.18	0.06	158	1.3	0.08	1	0.93	<0.1	0.14	0.16	6.7	0.2	<0.05	4	22.33	32.8	0.03	<1	1.2	4	<10	<2
2698600	0.12	0.06	144	1.1	0.09	0.7	0.68	<0.1	0.06	0.12	5.9	0.3	<0.05	2.4	14.99	35.6	0.02	<1	0.8	2.2	<10	3
2698601	0.11	0.05	91	1.1	0.07	1.2	0.36	<0.1	0.04	0.06	5	0.3	<0.05	1.1	15.02	41.7	0.04	<1	0.5	2.2	<10	3
2698602	0.17	0.12	97	1.3	<0.02	0.9	1.27	<0.1	0.12	0.05	6.9	0.7	<0.05	3.3	26.11	32.6	<0.02	<1	0.7	2.5	<10	<2
2698603	0.25	0.04	105	2.1	0.05	2.5	6.51	<0.1	0.06	0.1	12.5	0.5	<0.05	2.8	21.31	54.2	0.04	<1	1.2	14.8	<10	2

SAMPLE_NO	TYPE	YEAR	PROPERTY	COMPANY	LAB	Digestion	Method	DESCRIPT	COMMENTS	HORIZON	DEPTH	COLOUR	ORG_pct	SILT_pct	CLAY_pct	SAND_pct	ROCK_pct	VEGETATION	DISTURBANC	WATER	CERTIFICAT	REFERENCE	UTM_E	UTM_N	WR Label	LB_Ba_ppm	GC Label
TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	1.000000	1.000000	TEXT	TEXT	TEXT
2698604	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	25	DGY			20		80				VAN14002294	2014 CZX Field Notes	363728	6386426		2159	
2698605	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR			30		70				VAN14002294	2014 CZX Field Notes	363757	6386467		2526	
2698606	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Permafrost at sample site	B	30	GYBR		50	40		10				VAN14002294	2014 CZX Field Notes	363785	6386508		3138	
2698607	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR		60			40				VAN14002294	2014 CZX Field Notes	363814	6386549		3791	
2698608	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			C?/T	40	DGY			60		40				VAN14002294	2014 CZX Field Notes	363843	6386590		5171	
2698609	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			C?/T	30	DGY			40		60				VAN14002294	2014 CZX Field Notes	363871	6386631		6014	
2698610	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	50	DGY		5			95				VAN14002294	2014 CZX Field Notes	363900	6386671		4331	
2698611	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	DGY			30		70				VAN14002294	2014 CZX Field Notes	363929	6386712		9527	
2698612	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	DGY			15		85				VAN14002294	2014 CZX Field Notes	363957	6386753		19810	
2698613	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	50	GYBR			60		40				VAN14002294	2014 CZX Field Notes	363986	6386794		2918	
2698614	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	25	GYBR			80		20				VAN14002294	2014 CZX Field Notes	364015	6386835		1397	
2698615	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR		50			50				VAN14002294	2014 CZX Field Notes	363687	6387065		1696	
2698616	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	50	GYBR		40	40		20				VAN14002294	2014 CZX Field Notes	363658	6387024		1463	
2698617	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR		40			60				VAN14002294	2014 CZX Field Notes	363630	6386983		8642	
2698618	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	35	BR		20	50		30				VAN14002294	2014 CZX Field Notes	363601	6386942		5980	
2698619	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	30	DGY			35		65				VAN14002294	2014 CZX Field Notes	363572	6386901		7015	
2698620	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid canyon	B/T	50	DGY		25			75				VAN14002294	2014 CZX Field Notes	363571	6386857		7235	
2698621	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid canyon	B/T	50	DGY		25			75				VAN14002294	2014 CZX Field Notes	363559	6386816		7441	
2698622	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid canyon	B/T	50	DGY		25			75				VAN14002294	2014 CZX Field Notes	363495	6386760		9533	
2698623	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	DGY		30			70				VAN14002294	2014 CZX Field Notes	363458	6386737		2164	
2698624	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	40	DGY		15			85				VAN14002294	2014 CZX Field Notes	363429	6386696		1959	
2698625	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	410	GYBR		30			70				VAN14002294	2014 CZX Field Notes	363400	6386655		1412	
2698626	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR		30			70				VAN14002294	2014 CZX Field Notes	363372	6386614		2369	
2698627	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	40	DGY		5			95				VAN14002294	2014 CZX Field Notes	363343	6386573		1250	
2698628	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	30	DGY		5			95				VAN14002294	2014 CZX Field Notes	363314	6386532		2404	
2698629	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	40	DGY		5			95				VAN14002294	2014 CZX Field Notes	363285	6386491		1202	
2698630	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	30	DGY		20			80				VAN14002294	2014 CZX Field Notes	363257	6386450		2923	
2698631	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T/O	30	BK		10			90				VAN14002294	2014 CZX Field Notes	363228	6386409		921	
2698632	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	50	BR		5			95				VAN14002294	2014 CZX Field Notes	363199	6386368		1727	
2698633	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	30	GYBR		30			70				VAN14002294	2014 CZX Field Notes	363171	6386327		1500	
2698634	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid cliff/snow/boulder field	A/T	30	DGY	30	10			60				VAN14002294	2014 CZX Field Notes	362923	6386612		754	
2698635	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	40	DGY	30	10			60				VAN14002294	2014 CZX Field Notes	362929	6386680		990	
2698636	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			O/A	20	BK	70	30							VAN14002294	2014 CZX Field Notes	362958	6386721		563	
2698637	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	45	GYBR		30			70				VAN14002294	2014 CZX Field Notes	362987	6386762		1181	
2698638	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR		40			60				VAN14002294	2014 CZX Field Notes	363015	6386803		5471	
2698639	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	DGY			40		60				VAN14002294	2014 CZX Field Notes	363044	6386844		1484	
2698640	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR			50		50				VAN14002294	2014 CZX Field Notes	363073	6386885		1112	
2698641	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	45	GYBR			50		50				VAN14002294	2014 CZX Field Notes	363101	6386926		1655	
2698642	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR			40		60				VAN14002294	2014 CZX Field Notes	363130	6386966		2263	
2698643	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	30	GYBR			75		25				VAN14002294	2014 CZX Field Notes	363159	6387007		4135	
2698644	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	GYBR			50		50				VAN14002294	2014 CZX Field Notes	363187	6387048		6186	
2698645	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR			50		50				VAN14002294	2014 CZX Field Notes	363216	6387089		8251	
2698646	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	45	GYBR	5		35		60				VAN14002294	2014 CZX Field Notes	363245	6387130		2946	
2698647	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	DGY		25			75				VAN14002294	2014 CZX Field Notes	363273	6387171		1139	
2698648	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	35	GYBR		45			55				VAN14002294	2014 CZX Field Notes	363302	6387212		1912	
2698649	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A	25	BK	25	75							VAN14002294	2014 CZX Field Notes	363331	6387253		1281	
2698650	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	30	GYBR		60			40				VAN14002294	2014 CZX Field Notes	363359	6387294		1356	
2698651	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	45	TNGY	5	95							VAN14002294	2014 CZX Field Notes	363032	6387524		442	
2698652	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	50	TNGY	20	80							VAN14002294	2014 CZX Field Notes	363003	6387483		534	
2698653	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/O	60	BRBK	60	40							VAN14002294	2014 CZX Field Notes	362974	6387442		1779	
2698654	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	60	GYBR	10	70			20				VAN14002294	2014 CZX Field Notes	362946	6387401		9418	
2698655	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	GYBR			40		60				VAN14002294	2014 CZX Field Notes	362917	6387360		12695	
2698656	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	GYBR			25		75				VAN14002294	2014 CZX Field Notes	362888	6387319		8467	
2698657	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			C/T	40	GY			20		80				VAN14002294	2014 CZX Field Notes	362860	6387278		8701	
2698658	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			C/T	40	GY			20		80				VAN14002294	2014 CZX Field Notes	362831	6387237		7215	
2698659	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			C/T	35	GY			20		80				VAN14002294	2014 CZX Field Notes	362802	6387196		6221	
2698660	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	40	DGY			10		90				VAN14002294	2014 CZX Field Notes	362774	6387155		1948	
2698661	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	40	DGY			15		85				VAN14002294	2014 CZX Field Notes	362716	6387073		2558	
2698662	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Permafrost at sample site	B/T	30	DGY			30		70				VAN14002294	2014 CZX Field Notes	362688	6387032		2631	
2698663	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			C?/T	40	DGY			30		70				VAN14002294	2014 CZX Field Notes	362659	6386991		23368	
2698664	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	20	GY			40		60				VAN14002294	2014 CZX Field Notes	362630	6386950		1226	
2698665	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	30	GYBR			50		50				VAN14002294	2014 CZX Field Notes	362601	6386909		834	
2698666	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	GYBR		40			60				VAN14002294	2014 CZX Field Notes	362573	6386868		1326	
2698667	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	30	GYBR	60	25			15				VAN14002294	2014 CZX Field Notes	362544	6386827		1110	
2698668	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	30	GYBR		35			65				VAN14002294	2014 CZX Field Notes	362515	6386786		1359	
2698669	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid large patch of calcrete	B/T	20	TNGY		15			85				VAN14002294	2014 CZX Field Notes	362194	6387035		583	
2698670	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	30	TNGY		40			60				VAN14002294	2014 CZX Field Notes	362216	6387057		1203	
2698671	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	TNGY		35			65				VAN14002294	2014 CZX Field Notes	362245	6387098		1069	
2698672	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	TNGY		40			60				VAN14002294	2014 CZX Field Notes	362274	6387139		1055	
2698673	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			O/B/T	40	BKGY	30	30			40				VAN14002294	2014 CZX Field Notes	362303	6387180		860	
2698674	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Permafrost at sample site	B/T	45	GY		40			60				VAN14002294	2014 CZX Field Notes	362331	6387221		4815	
2698675	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	45	DGY			50		50				VAN14002294	2014 CZX Field Notes	362360	6387262		2976	
2698676	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Permafrost at sample site	B	40	GY			70		30				VAN14002294	2014 CZX Field Notes	362389	6387302		6134	
2698677	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Permafrost at sample site	O/B/T	40	DGY	30		40		30				VAN14002294	2014 CZX Field Notes	362417	6387343		11480	
2698678	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	DGY			60		40				VAN14002294	2014 CZX Field Notes	362446	6387384		7963	
2698679	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	30	DGY			40		60				VAN14002294	2014 CZX Field Notes	362475	6387425		12694	
2698680	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	30	DGY			30		70				VAN14002294	2014 CZX Field Notes	362503	6387466		5289	
2698681	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GY			40		60				VAN14002294	2014 CZX Field Notes	362532	6387507		10008	
2698682	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	GY			40		60				VAN14002294	2014 CZX Field Notes	362561	6387548		5624	
2698683	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	40	GY			80		20				VAN14002294	2014 CZX Field Notes	362589	6387589		8265	
2698684	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	20	DGY			35		65				VAN14002294	2014 CZX Field Notes	362618	6387630		9467	
2698685	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	50	GY	10		75		15				VAN14002294	2014 CZX Field Notes	362647	6387671		2706	
2698686	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR		40	20		40				VAN14002294	2014 CZX Field Notes	362675	6387712		1629	
2698687	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR		40	20		40				VAN14002294	2014 CZX Field Notes	362704	6387753		1810	
2698688	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	30	GYBR		40	40		20				VAN14002294	2014 CZX Field Notes	362376	6387982		1849	
2698689	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid swamp	B	30	GYBR		40	40		20				VAN14002294	2014 CZX Field Notes	362358	6387938		1953	
2698690	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	30	GYBR		40	40		20				VAN14002294	2014 CZX Field Notes	362319	6387901		1623	
2698691	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	DGY			30		70				VAN14002294	2014 CZX Field Notes	362290	6387860		21288	
2698692	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	30	DGY			20		80				VAN14002294	2014 CZX Field Notes	362262	6387819		18657	
2698693	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	40	DGY			10		90				VAN14002294	2014 CZX Field Notes	362233	6387778		11809	
2698694	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Permafrost at sample site	B/T	40	DGY			30		70				VAN14002294	2014 CZX Field Notes	362204	6387737		5937	
2698695	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid canyon/cliffs	B/T	40	GYBR		40			60				VAN14002294	2014 CZX Field Notes	362203	6387688		4684	
2698696	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid canyon/cliffs	B/T	50	GY		30			70				VAN14002294	2014 CZX Field Notes	362169	6387629		6312	
2698697	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid canyon/cliffs, permafrost at sample site	B/T	40	DGY		20			80				VAN14002294	2014 CZX Field Notes	362120	6387591		27736	
2698698	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Moved to avoid canyon/cliffs, permafrost at sample site	B/T	40	DGY		25			75				VAN14002294	2014 CZX Field Notes	362094	6387569		4553	
2698699	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	30	GYBR		15			85				VAN14002294	2014 CZX Field Notes	362061	6387532		2936	
2698700	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	DGY		30			70				VAN14002294	2014 CZX Field Notes	362032	6387491		1413	
2698701	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Permafrost at sample site	C?/T	30	GYBR		35			65				VAN14002294	2014 CZX Field Notes	362004	6387450		1224	
2698702	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Permafrost at sample site	C?/T	40	GYBR		20			80				VAN14002294	2014 CZX Field Notes	361975	6387409		1252	
2698703	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/T	30	GYBR	5	5			90				VAN14002294	2014 CZX Field Notes	361946	6387368		1103	
2698704	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			T	30	GYBR		5			95				VAN14002294	2014 CZX Field Notes	361917	6387327		1599	
2698705	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	60	GYBR	10	70			20				VAN14002294	2014 CZX Field Notes	362020	6388171		1736	
2698706	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	50	GYBR	10	70			20				VAN14002294	2014 CZX Field Notes	361991	6388130		4041	

SAMPLE_NO	LB_Mo_ppm	LB_Cu_ppm	LB_Pb_ppm	LB_Zn_ppm	LB_Ag_ppb	LB_Ni_ppm	LB_Co_ppm	LB_Mn_ppm	LB_Fe_pct	LB_As_ppm	LB_U_ppm	LB_Au_ppb	LB_Th_ppm	LB_Sr_ppm	LB_Cd_ppm	LB_Sb_ppm	LB_Bi_ppm	LB_V_ppm	LB_Ca_pct	LB_P_pct	LB_La_ppm	LB_Cr_ppm	LB_Mg_pct	LB_Ba_ppm	LB_Ti_pct	LB_B_ppm	LB_Al_pct	LB_Na_pct	LB_K_pct	LB_W_ppm	LB_Sc_ppm
TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT
2698604	4.58	29.1	42.2	324.3	728	42.5	8.4	235	2.09	4.6	1.55	0.5	3.2	10.1	1.21	1.26	0.18	21	0.43	0.081	27.6	13.9	0.26	435.1	0.004	<20	0.57	0.001	0.11	<0.05	4.6
2698605	6.17	29.72	44.09	387.2	684	41.3	7.8	282	2.06	5	2.1	1	2.1	14.8	1.55	1.59	0.17	22	0.91	0.113	26.9	12.8	0.22	777.7	0.003	<20	0.59	0.001	0.11	<0.05	4.6
2698606	8.74	28.04	46.57	275.8	688	27.9	4.2	181	2.31	7.5	2.17	1.3	2.3	34.8	1.4	1.46	0.26	30	1.21	0.13	19.4	11.1	0.22	1026.7	0.003	<20	0.54	0.002	0.11	<0.05	3.7
2698607	19.58	31.09	98.8	290.5	459	27.2	4	165	2.11	11.3	3.02	0.8	1.5	47.1	1.75	2.38	0.22	80	0.12	0.131	17.3	11.4	0.06	986.4	0.002	<20	0.59	0.006	0.12	0.09	2.3
2698608	18.08	47.64	54.31	250.9	532	38.2	4.2	86	1.75	17.5	3.45	0.8	1	105.2	1.22	3.45	0.25	89	0.08	0.111	17.5	12.8	0.03	1323.9	0.003	<20	0.49	0.002	0.11	0.1	1.5
2698609	11.39	31.6	42.54	107.1	624	17.8	1.5	22	1.07	9.8	2.7	1.6	0.9	68.9	0.76	1.9	0.22	56	0.12	0.111	12.7	9.2	0.03	1482.4	0.002	<20	0.4	0.002	0.1	0.07	1.1
2698610	100.84	65.23	55.84	171.3	1402	28.3	2.2	52	4.4	74	5.44	0.9	1.1	73.9	0.39	6.09	0.52	210	0.03	0.188	16	15.8	0.02	946.9	0.003	<20	0.38	0.006	0.23	0.26	1
2698611	26.33	44.17	52.63	98.5	935	18.9	1.7	68	2.27	23.7	3.44	1.2	0.3	110.5	0.5	3.06	0.36	93	0.04	0.163	12.9	16.2	0.03	420.7	0.002	<20	0.45	0.006	0.2	0.13	0.5
2698612	29.3	52.97	35.07	354.2	1402	58.6	13	285	6.58	46.3	4.62	1.5	3.4	281.1	0.86	5.87	0.4	50	0.11	0.262	11	11.8	0.03	173	0.003	<20	0.49	0.009	0.25	0.09	1.6
2698613	7.96	16.47	13.9	152.6	209	26.3	2.5	184	0.95	7.9	3.02	0.8	<0.1	21.2	1.49	1.06	0.18	49	0.08	0.087	16.2	10	0.07	781.2	0.003	<20	0.42	0.002	0.08	0.06	0.3
2698614	6.45	4.7	5.48	46.7	17	9.9	1.5	26	0.45	2.6	1.25	0.3	1	4.7	0.32	0.17	0.09	24	0.06	0.042	18.3	5.6	0.06	192.5	0.002	<20	0.45	0.001	0.05	<0.05	0.7
2698615	13.18	22.07	17.5	154.8	138	33.4	8.9	733	1.93	6.5	1.89	0.4	0.2	10.1	2.9	1.38	0.16	46	0.08	0.166	18.9	11.8	0.09	578.3	0.003	<20	0.71	0.002	0.07	<0.05	0.7
2698616	13.89	17.87	13.29	163.4	148	36.7	7.8	548	1.93	6.3	1.29	<0.2	0.2	7.4	2.39	1.27	0.14	27	0.14	0.099	14.8	6.2	0.05	378.9	0.002	<20	0.35	0.002	0.08	<0.05	0.7
2698617	13.56	38.44	31.59	235.7	791	32.3	2.9	45	3.35	24.1	2.56	1.3	2.3	104.8	0.39	2.95	0.3	50	0.04	0.122	7.9	8.2	0.02	1107.7	0.001	<20	0.42	0.002	0.12	<0.05	1.7
2698618	45.85	29.83	29.52	1697.8	725	232.9	18	82	14.52	69.2	9.01	1.9	2.8	45.3	0.96	4.61	0.28	100	0.02	0.098	11.2	10.2	0.03	947.6	0.002	<20	0.66	0.002	0.08	0.13	2.7
2698619	23.81	20.4	43.98	252.7	600	28.3	3.2	75	2.19	22.5	1.92	1.2	2.1	88.6	0.33	2.78	0.35	87	0.02	0.125	19.1	9.8	0.03	1130.8	0.002	<20	0.39	0.003	0.13	0.13	1
2698620	15.72	16.69	36.8	114.1	453	16.1	1.5	13	1.2	17.7	1.09	0.7	2	55.5	0.11	1.73	0.27	69	<0.01	0.064	19.7	7.9	0.02	1068.2	0.002	<20	0.3	0.002	0.11	0.08	0.8
2698621	12.06	17.25	24.42	188.8	584	23.7	3.5	33	1.54	12.2	1.8	1.6	1.5	50.4	0.74	2.76	0.18	37	0.13	0.135	11.8	6.8	0.03	1520.5	0.002	<20	0.26	0.003	0.09	0.07	1.5
2698622	11.48	21.93	33.68	193.4	498	24.1	4	79	2.77	15.7	2.2	0.7	3.3	77	0.51	2.33	0.25	37	0.09	0.096	12.8	8.5	0.03	1475.1	0.002	<20	0.27	0.003	0.15	<0.05	1.2
2698623	4.46	38.87	48.35	328.9	707	51.9	10	379	2.88	7.6	1.13	1.1	5.7	15	1.72	1.92	0.21	16	0.63	0.09	27.7	10.3	0.22	346.5	0.002	<20	0.32	0.002	0.14	<0.05	5.1
2698624	3.17	36.54	42.89	305.8	673	46.6	12.5	368	3.26	6.4	1.22	1	4.3	11.7	1.01	1.64	0.22	24	0.25	0.093	24.7	16.8	0.3	323.9	0.003	<20	0.56	0.002	0.12	<0.05	4.9
2698625	9.86	32.88	41.32	162.2	697	45.1	10.7	366	2.18	6.5	1.11	1.2	2.3	20.6	1.05	1.62	0.2	14	1.43	0.089	21	7.1	0.55	348.7	0.002	<20	0.3	0.003	0.09	<0.05	4.5
2698626	3.92	49.3	75	57.9	1738	49.2	12.2	362	2.66	5.7	0.99	2.1	4.6	23.9	0.27	1.51	0.27	10	1.49	0.07	26.2	7.3	0.71	411.3	<0.001	<20	0.22	0.002	0.1	<0.05	5.7
2698627	6.23	21.24	24.88	111.9	842	32.3	6.3	219	1.29	4.4	1.34	1	1.2	16.2	0.53	1.07	0.17	20	1.27	0.098	14.4	6.4	0.26	410.6	0.002	<20	0.32	0.003	0.08	<0.05	2.8
2698628	9.71	29.88	90.62	1417.1	1453	67.5	6.5	876	2.5	7.6	1.7	0.7	2.1	32	10.72	2.26	0.2	65	1.96	0.215	27.5	16.2	0.3	498.6	0.004	<20	0.49	0.002	0.15	0.09	4.1
2698629	4.65	60.2	84.55	2484.1	1208	105.9	4.4	130	1.91	6	2.75	2.6	1.2	26.8	20.9	1.78	0.27	59	1.42	0.315	18	24.2	0.33	287.8	0.006	<20	0.6	0.003	0.2	0.08	3.8
2698630	7.83	75.53	247.24	2002.7	1708	97.7	5.3	159	1.66	8.6	3.31	1.4	2.3	154.8	20.04	2.79	0.36	90	4.1	0.652	19.1	37.3	0.79	2696.1	0.004	<20	0.71	0.003	0.14	0.11	3
2698631	11.02	33.12	39.25	370.4	460	53.3	5.5	287	1.6	5.7	1.64	1.4	0.8	16.9	2.8	2.29	0.2	87	0.96	0.237	9.4	19.4	0.28	220.3	0.004	<20	0.49	0.002	0.19	0.07	2.6
2698632	4.47	44.26	43.09	303.9	1366	69.4	15.5	537	3.2	3.2	1.31	1.5	4.6	13.6	0.74	0.84	0.23	17	0.27	0.089	28.5	33.1	0.14	464.6	0.003	<20	0.39	0.002	0.18	<0.05	4.8
2698633	3.06	29.95	45.92	197.5	306	31	11	346	2.74	2.6	0.79	1.3	<0.1	9.3	0.82	0.74	0.25	28	0.1	0.127	17.1	16.5	0.09	362.4	0.005	<20	0.67	0.002	0.13	<0.05	0.6
2698634	2.83	22.18	17.57	167.1	569	23.2	4.3	147	1.11	2.2	1.42	0.9	0.9	32.1	0.95	0.89	0.13	23	2.57	0.127	7.9	8.1	0.41	309.8	0.004	<20	0.27	0.003	0.06	<0.05	2
2698635	4.64	42.8	69.79	512.9	818	76.5	5.4	574	1.34	4.4	1.47	1.7	0.6	28.8	2.36	1.51	0.17	68	2.01	0.276	14.8	31.9	0.45	255.1	0.003	<20	0.49	0.003	0.15	0.09	1.8
2698636	2.33	10.08	22.77	142.9	209	17.1	2.7	703	0.85	1.8	0.74	<0.2	0.2	40.2	1.04	0.54	0.17	19	3.59	0.137	9	6.2	0.1	230.2	0.002	<20	0.26	0.003	0.06	<0.05	0.6
2698637	23.01	55.39	89.76	1644.2	2475	104.2	7	443	2.25	13.4	2.32	0.8	2.3	48.8	14.51	3.56	0.22	100	4.38	0.161	14.8	15.7	0.65	507.1	0.002	<20	0.34	0.002	0.13	0.19	3.4
2698638	36.37	64.44	116.61	1740.5	3173	115	8.3	332	2.46	16.9	2.87	1	1.9	38.8	13.95	6.33	0.27	228	2.51	0.134	16.7	24.5	0.55	2043.8	0.004	<20	0.46	0.002	0.15	0.41	3.7
2698639	11.72	32.83	31.6	274.8	271	57.8	4.9	54	1.87	6.6	1.7	1.3	0.2	11.5	0.65	1.73	0.22	88	0.21	0.16	13.1	16.2	0.14	514.8	0.002	<20	0.5	<0.001	0.16	0.09	0.7
2698640	4.83	28.18	58.07	326.7	203	46.6	3.2	78	1.39	4.4	1.68	0.7	0.2	10.9	2.57	1.02	0.23	55	0.28	0.176	10.2	15.7	0.12	266.7	0.003	<20	0.49	0.001	0.09	0.07	0.9
2698641	8.75	56.55	46.95	1072.6	1175	99.1	7.1	252	2.05	8.6	2.87	1.8	1.5	58.5	9.54	2.4	0.26	84	3.76	0.4	15.1	23.6	1.95	486.6	0.005	<20	0.59	0.003	0.24	0.08	3.6
2698642	7.06	21.28	38.44	309.2	945	41.7	6.3	186	1.84	6	1.41	0.5	1.3	14.9	1.92	1.49	0.19	37	0.6	0.134	15.5	10.2	0.13	589.5	0.003	<20	0.38	0.001	0.09	<0.05	3.8
2698643	4.95	14.84	30.55	107.3	293	18.7	3.6	254	1.46	8.8	0.9	0.8	1.2	19.3	0.33	0.86	0.21	74	0.08	0.094	12.3	13.5	0.07	528.9	0.002	<20	0.74	<0.001	0.06	<0.05	1.5
2698644	10.1	25.45	44.2	272.2	1148	31.7	6.3	220	1.86	11.8	3.24	1.1	0.5	28.9	1.89	3.3	0.25	76	0.23	0.216	16.6	13.4	0.1	1641	0.004	<20	0.47	0.002	0.11	0.09	1.5
2698645	20.39	143.32	33.56	1968.9	1203	515.6	71	994	11.27	40.7	17	4.3	5.4	63.3	9.99	3.11	0.25	50	0.29	0.246	6.1	13.9	0.05	2007	0.001	<20	0.59	0.003	0.11	<0.05	7.3
2698646	18.14	11.59	12.75	92	353	20.4	1.8	36	0.92	9.4	2.06	2.8	1.5	19.2	0.3	1.37	0.19	100	0.04	0.076	23.4	11.6	0.06	450.3	0.002	<20	0.59	<0.001	0.1	0.08	1.4
2698647	44.13	25.96	10.71	128.8	124	89.4	7.9	387	1.71	9.8	4.16	1.6	3	61.1	1.14	1.26	0.1	19	5.66	0.072	13.5	4.3	2.42	267.9	0.001	<20	0.13	0.003	0.05	0.06	3.8
2698648	4.01	12.71	12.5	192.5	141	21.4	6.3	419	1.58	3.5	1.67	1.5	0.7	19.8	3.33	0.73	0.13	30	0.54	0.093	13.7	9.4	0.14	516.1	0.005	<20	0.51	0.002	0.1	<0.05	1.9
2698649	2.89	25.68	9.03	74.9	558	35.6	3.5	573	0.95	1.3	3.65	0.9	0.7	60.6	5.08	0.86	0.1	20	2.58	0.191	16.8	10.1	0.41	648.7	0.004	<20	0.63	0.002	0.06	<0.05	3.3
2698650	2.5	7.67	11.64	68.4	68	16.9	5.6	271	1.7	3.6	0.55	0.9	1.2	6	0.34	0.48	0.09	19	0.1	0.093	14.1	7.6	0.08	216.6	0.002	<20	0.46	0.002	0.07	<0.05	1.6
2698651	0.27	2.93	0.78	49.4	79	7.6	0.6	75	0.05	<0.1	1.23	1.1	0.1	138	2.03	0.07	<0.02	<2	31.31	0.044	1.1	3	0.37	412.8	<0.001	<20	0.04	0.004	0.01	<0.05	1
2698652	0.35	7.28	1.52	88	161	12	1	151	0.17	0.2	1.59	1.3	0.1	100.6	2.01	0.12	<0.02	4	20.58	0.073	1.5	3.6	0.22	358.9	0.001	<20	0.11	0.004	0.02	<0.05	0.9
2698653	2.92	17.66	9.43	229.6	458	27.2	4.2	377	1.09	2.6	1.49	1.4	0.4	35.3	3.56	0.74	0.09	23	2.31	0.108	9	8.7	0.12	676.2	0.002	<20	0.46	0.002	0.05	<0.05	1.5
2698654	8.09	22.73	12.29	175.4	498	34.3	4.4	180	1.31	7.2	1.33	1.7	0.6	24.7	1.98	1.22	0.09	38	0.32	0.079	9.7	6.6	0.05	2966.5	0.002	<20	0.4	0.001	0.06	0.1	1.2
2698655	15.86	27.48	29.83	180.9	839	33.5	2.9	47	2.46	22.3	1.56	1.5	1.3	78.6	0.17	3.16	0.24	53	0.04	0.122	12.2	7	0.03	1518.1	0.001	<20	0.33	0.004	0.13	0.07	1.2
2698656	11.06	29.43	17.48	127	490	36.4	3.1	24	1.1	12.5	0.85	1	0.5	14.6	0.22	2.08	0.13	51	0.05	0.063	16.8	11	0.02	1083.4	0.003	<20	0.3	0.002	0.07	0.11	0.8
2698657	11.31	14.24	53.89	79.2	940	12.7	1.2	12	1.09	10.5	0.78	1.9	2.9	82.4	0.19	0.98	0.26	44	0.02	0.084	28.6	9.7	0.03	1069.4	0.002	<20	0.41	0.004	0.15	0.05	1
2698658	13.01	21.22	30.1	143.8	231	24.3	2.9	15	1.09	12.1	1.12	1.1	0.8	28.4	0.35	1.04	0.2	66	0.03	0.066	22.8	12.6	0.03	1521.8	0.003	<20	0.49	0.002	0.1	0.08	0.9
2698659	7.55	8.44	30.36	291.4	400	18.5	2.6	66	1.28	8.1	0.94	0.8	2.7	37.4	2.01	0.89	0.19	31	0.13	0.066	14.3	7.8	0.06	968	0.002	<20	0.3	0.002	0.13	<0.05	1.8
2698660	8.2	26.61	47.29	1254.9	1176	50.4	3.7	363	1.38	6.6	1.97	2.2	0.9	23.9	12.55	1.84	0.08	75	1.45	0.114	11.6	11.8	0.14	627	0.003	<20	0.4	0.002	0.07	0.08	2.5
2698661	11.66	22.22	93.74	1076.9	1562	47.2	4.1	200	1.55	9.6	2.31	1.3	1.1	22	12.41	2.39	0.1	85	1.22	0.119	16	11.4	0.1	864	0.003	<20	0.32	0.001	0.07	0.26	3
2698662	9.75	29.12	33.11	692.2	988	58	5	379	1.34	6.4	2.4	<0.2	0.6	34.6	8.28	2.38	0.08	49	2.2	0.153	9.3	9.1	0.16	892.4	0.002	<20	0.25	0.003	0.06	0.2	1.6
2698663	26.02	52.67	56.13	705.5	2404	100.7	7.8	409	2	15.3	4.03	1.4	1.7	37.6	6.7	5.26	0.16	380	1.45	0.142	21.8	34.7	0.27	4744.3	0.007	<20	0.68	0.001	0.15	0.33	5.1
2698664	7.27	14.31	41.69	284.4	100	30.2	3.1	64	1.19	4.3	0.74	1.3	1.7	12.3	0.55	0.83	0.13	65	0.18	0.062	11.2	12	0.11	231.1	0.005	<20	0.47	<0.001	0.09	0.09	1.3
2698665	7.76	32.86	52.79	322.2	378	52.7	4.5	38	1.84	5.9	0.66	1.7	<0.1	7.4	0.18	1.13	0.16	104	0.07	0.084	7.9	15.2	0.06	109.9	0.002	<20	0.46	<0.001	0.09	0.1	0.3
2698666	5.46	20.29	17.26	125.2	236	34.9	6.1	175	1.64	5	0.86	1	1.5	10.1	0.51	0.83	0.12	40	0.57	0.093	15.4	10.7	0.19	313.3	0.004	<20	0.53	0.001	0.12	<0.05	2.3
2698667	2.1	17.11	17.75	111.4	750	22.5	4.4	123	1.35	2	1.18	1.7	<0.1	8.8	0.45	0.56	0.11	33	0.25	0.202	10	14.9	0.17	222.4	0.002	<20	0.55	0.002	0.12	0.07	0.5
2698668	2.58	47.68	32.13	322.8	1078	52.5	14.8	528	3.02	3.6	1.09	2.7	0.6	14.5	0.96	0.82	0.19	39	0.26	0.177	16.8	24.7	0.34	275	0.006	<20	0.92	0.004	0.21	<0.05	2.1
2698669	1.08	7.67	9.03	65	119	18.8	4.6	186	1.7	1.2	0.43	0.9	0.6	4.2	0.42	0.31	0.08	21	0.22	0.039	15.7	8.2	0.06	143.7	0.006	<20	0.36	0.002	0.07	<0.05	1.1
2698670	3.21	17.53	14.14	145.4	54	24	6.1	167	2.16	3.7	0.49	1.1	2.2	5.5	0.3	0.49	0.13	33	0.16	0.028	18.3	8.9	0.12	264.9	0.005	<20	0.54	<0.001	0.07	<0.05	1.6
2698671	9.88	24.02	16.19	140.5	45	34.1	6.8	66	1.92	5.7	0.72	1.3	0.3	4.4	0.22	0.65	0.15	64	0.09	0.079	16.6	12	0.12	169.9	0.003	<20	0.68	<0.001	0.08	0.05	0.8
2698672	5.59	17.62	15.55	158.9	314	31.4	4.8	72	1.49	4.7	0.49	1.1	0.2	5.3	0.17	0.77	0.13	43	0.07	0.053	15.1	8.1	0.07	87.3	0.004	<20	0.34	<0.001	0.08	0.06	0.7
2698673	3.77	11.89	21.78	192.2	95	20.9	3.1	72	0.97	2.7	1.31	1	0.1	16.4	2.11	0.55	0.12	40	0.81	0.104	11	11.5	0.11	260.8	0.004	<20	0.51	0.001	0.05	0.11	1
2698674	7.05	30.04	69.97	742.8	2460	71.9	7.8	640	2.49	11.7	2.84	2.3	1	34.6	5.04	3.09	0.18	107	1.87	0.153	16.1	23.1	0.16	1616.5	0.005	<20	0.59	0.001	0.08	0.27	3.3
2698675	19.52	37.8	50.47	698.5	740	66.2	8.4	411	2.03	12.8	3.43	3.3	0.8	29.4	9.39	2.42	0.16	132	0.69	0.096	15.6	14.9	0.06	1260.4	0.004	<20	0.58	<0.001	0.07	0.31	2.3
2698676	36.09	51.51	56.03	549.6	1232	137.1	8.7	296	2.68	21.4	5.12	0.7	5.5	25.7	6.35	6.18	0.21	97	0.66	0.141	28.5	9.1	0.03	1303.1	0.002	<20	0.33	<0.001	0.07	0.81	3
2698677	15.36	59.64	75.43	1061.4	1638	105.1	6.6	343	1.67	12.6	4.54	3.6	1.1	35.1	11.04	4.04	0.15	202	1.84	0.108	16.3	21.1	0.2	2514	0.006	<20	0.46	0.001	0.08	0.27	3.8
2698678	7.24	12.58	22.92	135.8	310	14.2	1.8	17	1.47	12.7	1.4	3.1	2.9	36.6	1.38	1.74	0.17	36	0.2	0.055	19.5	7.4	0.03	1584.1	0.002	<20	0.23	0.001	0.07	0.06	1
2698679	7.01	10.05	36.38	61.5	821	11.2	1.1	10	0.8	11.4	0.52	1.3	2.9	51.3	0.12	1.52	0.19	59	0.01	0.046	17.7	9.4	0.02	1856.2	0.003	<20	0.31	0.001	0.08	<0.05	0.8
2698680	5.01	9.29	9.27	64.3	383	12.1	1.5	17	0.62	6.8	0.4	1.9	0.7	9.7	0.16	0.57	0.08	52	0.03	0.035	15.3	7.8	0.02	579.6	0.003	<20	0.33	<0.001	0.05	<0.05	0.7
2698681	11.54	20.71	32.23	98.8	621	21	2	21	2.39	29.3	0.94	3.7	3.1	81.4	0.18	2.36	0.25	48	0.01	0.144	12.5	6.1	0.02	1087.8	0.002	<20	0.36	0.002	0.11	<0.05	1.2
2698682	8.88	19.24	27.47	189.1	438	31.3	3.5	76	1.81	13	1.63	2.5	1.7	26.2	0.45	1.88	0.18	54	0.07	0.114	9.6	7.7	0.04	1433.7	0.002	<20	0.34	<0.001	0.07	0.06	1.4
2698683	6.54	26.21	23.73	221	477	30.9	8.2	231	1.65	12.1	2.26	1.9	2	38.7	1.8	1.56	0.17	43	0.34	0.118	13.3	7.2	0.06	1720.1	0.003	<20	0.35	<0.001	0.08	0.07	2
2698684	8.05	36.57	41.2	811.3	934	48.5	6	270	1.92	16.1	5.62	3.1	1.3	49	5.24	2.14	0.18	71	0.53	0.114	13.1	9.8	0.05	1952.6	0.002	<20	0.35	<0.001	0.07	0.18	2.2
2698685	11.44	31.17	19	408.6	791	58.8	8.2	196	1.89	9.5	2.48	2.2	2	31.4	4.57	3.09	0.14	54	0.7	0.117	9.6	10.6	0.15	510.1	0.003	<20	0.51	<0.001	0.08	0.05	3
2698686	4.25	12.66	10.1	113.6	246	18.5	3.4	84	1.04	2.6	1.14	1.2	0.6	11.1	1.94	0.55	0.09	27	0.26	0.064	14.7	8.2	0.11	403.5	0.003	<20	0.49	<0.001	0.07	<0.05	1.2
2698687	4.53	14.15	13.46	117.5	436	20.4	4.9	177	1.26	4.4	1.22	2.3	1	17	2.09	0.81	0.13	41	0.56	0.058	11.6	10	0.12	435.3	0.004	<20	0.53	<0.001	0.08	0.06	1.6
2698688	6.5	20.57	16.3	218.3	311	38.9	7.1	154	1.96	6.5	1.26	1.5	1.2	15	1.73	1.04	0.14	49	0.32	0.114	16.5	13.9	0.23	488.6	0.004	<20	0.74	<0.001	0.07	0.09	2.6
2698689	8.81	16.37	14.49	154.5	220	26.8	3.6	60	1.32	6.5	1.06	0.5	1	17.2	1.29	1.29	0.11	42	0.3	0.071	10.8	8	0.1	433.2	0.003	<20	0.41	<0.001	0.09	0.08	1.5
2698690	2.67	23.98	11.6	221.2	600	52.1	5.3	327	1.19	3.2	1.74	1.4	0.6	61.4	4.4	0.98	0.08	31	8	0.121	9.3	10.9	0.24	570.8	0.003	<20	0.44	0.002	0.06	0.06	1.9
2698691	13.26	21.54	33.5	182.7	1017	34.1	3.9	74	2.38	21.8	1.14	0.9	2.6	73.1	0.35	1.93	0.21	50	0.19	0.136	13.5	6.2	0.02	467.6	0.001	<20	0.42	0.004	0.17	<0.05	1.3
2698692	15.36	25	40.21	189.2	755	34.5	3.3	33	2.48	26.7	0.86	2.3	3.7	89.6	0.25	1.94	0.26	63	0.04	0.095	14.7	6.2	0.02	244.3	0.001	<20	0.36	0.006	0.23	0.07	1.5
2698693	12.29	21.67	37.98	159.5	876	35.1	3.1	34	1.78	18.7	1.1	3.6	2.6	67.4	0.76	2.28	0.2	47	0.1	0.074	13.1	6.9	0.02	1443.2	0.001	<20	0.25	0.002	0.15	0.05	1.9
2698694	9.15	16.28	24.78	132.4	147	21	2.2	15	0.92	8	0.83	2.1	1.9	36	0.86	1.22	0.13	49	0.16	0.051	9.8	8.7	0.02	894.9	0.002	<20	0.34	<0.001	0.08	0.07	1.3
2698695	9.81	12.88	33.18	149	311	22.5	2.2	23	1.31	11.8	0.67	1	1.8	25.5	0.2	1.13	0.15	80	0.03	0.045	10.6	7.3	0.03	779.6	0.001	<20	0.42	<0.001	0.09	0.09	1
2698696	15.91	47.57	42.77	795.8	1223	77	6.2	164	1.84	16.8	4.48	1.9	2.2	57.6	5.99	3.47	0.17	86	0.85	0.097	14.9	13.7	0.09	1487.1	0.002	<20	0.31	<0.001	0.07	0.16	2.5
2698697	77.42	82.76	36.74	364.3	4318	85	2.8	50	4.22	47	14.98	2.8	3.5	51.8	10.1	10.79	0.19	1208	0.59	0.125	13.2	91.5	0.1	84.5	0.008	<20	0.96	0.005	0.58	0.58	5.9
2698698	33.43	60.18	90.03	783.9	1364	174.8	14.5	438	3.92	31.2	3.43	2	3.8	34.4	10.1	7.27	0.16	64	1	0.15	19	9.9	0.06	1091.5	0.002	<20	0.34	<0.001	0.08	0.64	3.6
2698699	6.8	36.07	31.36	499.1	681	80	6.5	247	1.66	7.7	1.72	3.1	1.5	22.3	3.1	1.66	0.14	75	1.13	0.179	13	22.9	0.28	1176.3	0.004	<20	0.56	<0.001	0.1	0.12	3
2698700	4.8	36.57	35.37	299.7	275	66.1	8.2	115	1.79	6	2.37	1.3	2.6	26.9	1.18	1.31	0.2	70	0.77	0.295	16.4	22.6	0.23	463.4	0.006	<20	0.69	0.001	0.2	0.11	2.8
2698701	3.83	33.56	40.03	487.3	2860	68.7	7.3	175	2.08	6.6	1.92	2.7	2	15.2	2.56	2.28	0.13	56	0.92	0.218	14.4	15.1	0.17	290	0.003	<20	0.45	<0.001	0.17	<0.05	5.2
2698702	6.54	29.75	23.71	253.4	825	68.2	12.5	391	2.44	7.3	1.11	1.7	3.5	15.2	1.38	1.63	0.16	33	0.81	0.175	21.7	13.3	0.27	213.1	0.004	<20	0.53	0.001	0.16	<0.05	5.9
2698703	3.36	19.3	17.92	183.9	73	24.1	5.5	317	1.94	3.5	0.61	0.8	0.2	9.8	0.71	0.69	0.11	50	0.34	0.101	17.7	14.1	0.15	266.7	0.004	<20	0.72	<0.001	0.07	<0.05	1
2698704	12.6	51.05	47.93	514.8	466	84.4	12.4	644	2.37	10.7	1.35	2.1	2.8	8.5	3.01	3.04	0.13	94	0.44	0.055	19.9	20.7	0.48	538.6	0.003	<20	0.75	<0.001	0.18	<0.05	4.3
2698705	2.55	36.4	15.57	215.9	456	51.3	4.6	484	1.1	4.2	2.57	1.3	0.3	73.8	4.08	2.03	0.06	41	4.51	0.098	5	7.1	0.3	1092.9	0.002	<20	0.29	0.003	0.05	<0.05	1.1
2698706	9.83	30.1	35.88	430.7	556	64.6	10.1	193	1.88	10.8	2.23	1.5	1.9	22.4	3.19	1.87	0.13	74	0.56	0.09	13.2	11	0.09	1597.3	0.002	<20	0.6	<0.001	0.09	0.1	3.5

SAMPLE_NO	LB_Tl_ppm	LB_S_pct	LB_Hg_ppb	LB_Se_ppm	LB_Te_ppm	LB_Ga_ppm	LB_Cs_ppm	LB_Ge_ppm	LB_Hf_ppm	LB_Nb_ppm	LB_Rb_ppm	LB_Sn_ppm	LB_Ta_ppm	LB_Zr_ppm	LB_Y_ppm	LB_Ce_ppm	LB_In_ppm	LB_Re_ppb	LB_Be_ppm	LB_Li_ppm	LB_Pd_ppb	LB_Pt_ppb
TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT
2698604	0.19	0.03	105	1.2	0.03	1.8	2.84	<0.1	0.08	0.23	9.1	0.3	<0.05	3.4	20.77	44.2	0.04	<1	1	7.5	<10	2
2698605	0.19	0.06	99	1.4	0.06	1.5	1.87	<0.1	0.14	0.23	9.2	0.3	<0.05	4.5	26.16	35.5	0.03	<1	1	5.1	<10	<2
2698606	0.73	0.16	120	1.8	0.06	1.7	1.28	<0.1	0.15	0.25	9.6	0.2	<0.05	5.5	19	27.3	0.04	<1	0.8	4.4	<10	<2
2698607	2.05	0.19	61	3.5	0.13	1.9	1.09	<0.1	0.07	0.11	10.7	0.7	<0.05	2.3	11.9	30.6	0.02	2	0.6	2.4	<10	2
2698608	1.83	0.18	75	3.9	0.12	1.9	1.52	<0.1	<0.02	0.13	10.5	0.6	<0.05	0.4	9.27	30.5	0.04	6	0.8	1.6	<10	<2
2698609	1.54	0.16	85	2.4	0.07	1.5	1.74	<0.1	0.03	0.1	10	0.9	<0.05	0.7	6.22	24.7	0.03	5	0.2	1.2	<10	<2
2698610	2.99	0.61	160	13.9	0.37	2.5	1.78	<0.1	<0.02	0.11	16.4	0.7	<0.05	0.2	5.02	29.2	0.04	15	0.6	1.9	<10	3
2698611	2.47	0.49	95	4.3	0.13	2.1	1.99	<0.1	<0.02	0.06	15.6	1.9	<0.05	0.2	5.15	24	0.05	8	0.4	1.7	<10	<2
2698612	2.47	0.7	107	5.1	0.14	1.4	4.29	<0.1	0.03	0.08	17.8	0.8	<0.05	0.9	7.25	26.9	0.05	5	0.2	2.1	<10	3
2698613	0.55	0.05	61	0.8	0.04	1.8	0.87	<0.1	<0.02	0.07	9.8	0.5	<0.05	<0.1	5.65	27.9	<0.02	2	0.3	3.7	<10	<2
2698614	0.42	<0.02	20	0.2	0.03	1.7	0.43	<0.1	0.03	0.12	7.3	0.2	<0.05	0.5	3.28	31.4	<0.02	<1	0.2	3.3	<10	<2
2698615	0.35	0.06	32	0.9	0.05	2.5	0.86	<0.1	<0.02	0.08	8.2	0.6	<0.05	0.3	10.89	37.6	0.03	<1	0.8	4.3	<10	<2
2698616	0.24	0.04	21	0.6	0.02	1.1	0.21	<0.1	<0.02	0.06	5.3	0.2	<0.05	0.2	6.75	25.8	0.03	2	0.5	2.3	<10	3
2698617	0.82	0.2	101	3.1	0.15	1.2	2.2	<0.1	<0.02	0.04	10.3	1	<0.05	0.5	6.64	20	0.02	5	0.5	0.9	<10	2
2698618	1.18	0.13	113	4.4	0.12	2.1	1.95	0.1	0.04	0.23	9.2	0.6	<0.05	1.6	41.58	23	0.03	4	1.1	1.3	<10	3
2698619	1.35	0.21	85	2.8	0.14	1.8	1.61	<0.1	<0.02	0.14	11.4	0.5	<0.05	0.4	3.65	35.9	<0.02	3	0.3	1.7	<10	3
2698620	0.88	0.13	41	1.5	0.12	1.8	1.9	<0.1	<0.02	0.1	10.8	0.4	<0.05	0.2	2.6	36.8	<0.02	3	0.1	1.4	<10	<2
2698621	0.92	0.19	119	1.8	0.05	0.9	1.69	<0.1	0.08	0.1	8.4	1	<0.05	2.6	7.17	21.3	<0.02	2	0.2	1	<10	<2
2698622	0.8	0.24	42	2.3	0.16	1	1.57	<0.1	<0.02	0.11	10.3	0.9	<0.05	0.5	4.27	26.9	0.02	5	0.3	1.6	<10	<2
2698623	0.28	0.04	117	1.6	0.02	1.2	1.94	<0.1	0.08	0.04	9.6	0.4	<0.05	3.8	19.7	49.7	0.03	2	0.7	3	<10	3
2698624	0.26	0.05	94	2.1	0.04	2	3.32	<0.1	0.08	0.08	9.6	0.4	<0.05	3	16.89	51	0.04	2	0.8	8.2	<10	3
2698625	0.26	0.05	144	1.1	0.07	0.8	0.84	<0.1	0.06	0.07	6.5	0.3	<0.05	2.3	21.31	40	0.02	3	0.9	3	<10	<2
2698626	0.25	0.05	341	1.4	0.07	0.5	0.68	<0.1	0.06	0.04	5.2	0.9	<0.05	2.5	18.61	48.4	0.02	<1	0.6	2	<10	2
2698627	0.14	0.11	191	1	0.04	0.8	0.84	<0.1	0.11	0.1	6.1	0.2	<0.05	4.2	12.73	26.2	0.03	<1	0.8	4	<10	3
2698628	0.2	0.06	604	1.7	0.06	1.4	0.68	<0.1	0.08	0.08	9.6	0.7	<0.05	2.3	21.44	41.6	0.05	<1	1.3	12.2	<10	3
2698629	0.21	0.08	859	2.9	0.09	1.8	1.12	<0.1	0.07	0.21	13.3	0.6	<0.05	1.8	16.93	22.6	0.03	2	1.3	13.9	<10	3
2698630	0.3	0.04	2600	4	0.15	2.4	0.61	<0.1	0.07	0.03	6.9	1.5	<0.05	2.9	19.72	25.5	0.03	3	1	5.2	<10	4
2698631	0.14	0.11	178	2.8	0.1	1.5	0.79	<0.1	0.08	0.12	13.2	0.5	<0.05	1.8	7.74	14.4	0.03	3	1	12.9	<10	<2
2698632	0.18	0.03	142	1.8	0.06	1.1	0.93	<0.1	0.05	0.06	10.7	11.1	<0.05	1.9	18.07	51.3	<0.02	1	0.8	4.5	<10	<2
2698633	0.13	0.07	47	0.8	0.06	2.8	1.2	<0.1	<0.02	0.21	20.4	0.6	<0.05	0.1	4.41	31.8	0.02	1	0.6	3.7	<10	<2
2698634	0.08	0.18	139	1.4	0.03	0.8	0.7	<0.1	0.1	0.15	6.4	0.5	<0.05	3.5	10.16	13.6	<0.02	<1	0.6	3.9	<10	<2
2698635	0.16	0.15	225	2.2	0.05	1.4	0.85	<0.1	0.07	0.08	10.1	1.4	<0.05	1.8	14.25	17.6	0.02	<1	1.8	12	<10	2
2698636	0.07	0.22	211	0.7	<0.02	0.7	0.2	<0.1	0.03	0.09	3.3	0.1	<0.05	0.8	6.52	14.4	<0.02	<1	0.4	3.3	<10	<2
2698637	0.37	0.04	794	3.7	0.14	1.2	0.84	<0.1	0.06	0.07	7	0.5	<0.05	2.9	15.48	27.6	0.04	2	1.1	8.2	<10	5
2698638	1.15	0.1	1110	3.6	0.16	1.9	0.88	<0.1	0.08	0.12	9.2	1.3	<0.05	2.9	16.9	27.8	0.04	4	0.9	11.5	<10	3
2698639	0.23	0.05	97	1.6	0.12	2.4	0.9	<0.1	<0.02	0.03	12.2	0.5	<0.05	0.4	8.4	18.9	<0.02	3	0.8	10.5	<10	4
2698640	0.19	0.04	206	1.1	0.1	2.5	0.6	<0.1	<0.02	0.04	7.8	0.7	<0.05	0.2	5.9	15.7	<0.02	2	0.5	7.8	<10	3
2698641	0.18	0.04	719	2.2	0.09	1.8	1.45	<0.1	0.04	0.07	14	0.3	<0.05	1	15.02	22.4	0.03	5	1.6	15.8	<10	5
2698642	0.16	0.04	269	1.2	0.09	1	0.68	<0.1	0.03	0.11	7	0.3	<0.05	1	13.43	27	0.03	<1	0.9	5.4	<10	3
2698643	0.39	0.04	41	0.5	0.06	2.9	0.96	<0.1	0.03	0.15	5.4	0.5	<0.05	0.7	3.47	24.5	<0.02	<1	0.3	3	<10	<2
2698644	0.63	0.09	264	1.8	0.11	1.7	0.94	<0.1	<0.02	0.1	10.6	0.5	<0.05	0.7	10.96	30	0.03	5	0.7	8.1	<10	3
2698645	1.16	0.13	225	3.2	0.1	1.2	3.23	0.1	0.08	0.05	8.6	0.4	<0.05	2.6	40.68	16.2	0.1	<1	1.4	3.3	<10	5
2698646	1.37	0.05	82	1.4	0.08	3.2	1.94	<0.1	0.04	0.2	8.8	1.2	<0.05	1.3	3.08	38.2	<0.02	2	0.1	3.1	<10	<2
2698647	0.83	0.04	151	1.1	0.02	0.4	0.47	<0.1	0.05	0.06	3.6	0.1	<0.05	3.4	16.73	25.4	<0.02	4	0.5	1.5	<10	<2
2698648	0.19	0.06	43	0.7	0.04	2.2	0.57	<0.1	0.03	0.48	10.8	0.5	<0.05	0.6	5.92	26.7	0.02	<1	0.4	5.7	<10	<2
2698649	0.14	0.19	205	2.4	<0.02	1.5	0.55	<0.1	0.05	0.36	10	0.2	<0.05	2.3	25.96	22.4	<0.02	4	0.9	4	<10	4
2698650	0.12	0.02	47	0.4	<0.02	1.4	0.77	<0.1	<0.02	0.15	5.3	0.6	<0.05	0.3	5.89	30.2	0.02	1	0.5	4.5	<10	<2
2698651	0.16	0.17	39	2.5	<0.02	0.1	0.37	<0.1	<0.02	0.05	0.8	<0.1	<0.05	1.4	5.07	1.1	<0.02	1	<0.1	0.5	<10	<2
2698652	0.24	0.11	70	1.8	<0.02	0.3	0.57	<0.1	0.03	0.08	1.7	<0.1	<0.05	1.4	5.66	2.1	<0.02	<1	0.1	0.9	<10	<2
2698653	0.28	0.13	137	2	<0.02	1.1	0.55	<0.1	0.03	0.19	5.1	0.2	<0.05	1.8	10.77	16.7	0.02	<1	0.4	3.4	<10	3
2698654	0.24	0.07	87	0.9	0.07	1.3	0.37	<0.1	0.03	0.1	5.2	0.5	<0.05	0.7	5.13	19.1	<0.02	<1	0.4	1.8	<10	<2
2698655	1.02	0.23	68	2.8	0.12	1.3	1.26	<0.1	<0.02	0.07	10.3	0.7	<0.05	0.5	3.48	26.6	0.03	10	0.2	1.3	<10	<2
2698656	0.23	0.06	49	0.9	0.12	1.6	1.97	<0.1	<0.02	0.05	5.5	1.2	<0.05	0.2	2.16	32.3	0.03	6	0.1	0.7	<10	<2
2698657	1.15	0.23	33	1.3	0.09	2.7	1.39	<0.1	<0.02	0.08	11.5	1.2	<0.05	0.1	2.29	54.2	0.03	6	0.2	1.4	<10	3
2698658	0.41	0.11	31	1	0.09	3.1	1.67	<0.1	<0.02	0.14	8.9	1.2	<0.05	0.2	3.11	44.8	0.03	2	0.1	1.3	<10	<2
2698659	0.56	0.15	110	1.2	0.07	1.2	1.17	<0.1	0.03	0.13	11	0.4	<0.05	1.3	3.95	29.6	0.03	3	0.2	4	<10	2
2698660	0.17	0.08	760	1.7	0.06	1.2	0.43	<0.1	0.06	0.17	5.5	0.3	<0.05	2.3	13.18	18.5	0.02	<1	0.6	6.9	<10	<2
2698661	0.25	0.07	816	1.5	0.11	1.3	0.4	<0.1	0.04	0.13	5.1	0.5	<0.05	2	17.58	26.2	0.04	3	0.5	5.5	<10	3
2698662	0.33	0.12	512	2	0.03	0.7	0.44	<0.1	0.04	0.08	4.1	0.4	<0.05	2.1	13.6	15.2	<0.02	4	0.5	3	<10	3
2698663	0.99	0.07	499	2.2	0.05	3	0.8	0.2	0.07	0.23	10.4	0.7	<0.05	2.8	22.61	38	0.03	7	0.8	12.8	<10	3
2698664	0.16	0.03	42	1	0.02	2.7	0.47	<0.1	<0.02	0.38	10.3	0.5	<0.05	0.7	2.89	20	0.02	1	0.4	7.5	<10	<2
2698665	0.14	0.04	53	2.5	0.1	3.9	0.85	<0.1	<0.02	0.02	6.5	1.1	<0.05	<0.1	1.69	12.8	<0.02	4	0.3	2.5	<10	<2
2698666	0.15	0.04	43	1.2	0.02	2	0.6	<0.1	0.07	0.27	10.4	0.5	<0.05	2.6	7.37	30.2	0.02	<1	0.7	6.9	<10	<2
2698667	0.13	0.14	86	1.1	0.03	2.2	1.01	<0.1	<0.02	0.14	11.1	0.3	<0.05	0.1	5.6	18.8	<0.02	<1	0.5	5.7	<10	<2
2698668	0.13	0.1	96	2.7	0.1	3.5	1.04	<0.1	<0.02	0.23	17.2	0.7	<0.05	0.6	13.41	33.5	0.04	3	1.1	12.9	<10	4
2698669	0.05	0.03	27	0.2	0.02	2	0.17	<0.1	<0.02	0.28	4.9	0.6	<0.05	0.2	2.15	31.4	<0.02	<1	0.3	1.6	<10	<2
2698670	0.09	<0.02	22	0.6	0.07	2.6	0.3	<0.1	0.02	0.42	7.6	0.6	<0.05	0.6	3.18	35.3	<0.02	<1	0.4	4.5	<10	4
2698671	0.17	<0.02	22	0.7	0.07	3.2	0.72	<0.1	<0.02	0.1	8.9	0.5	<0.05	0.3	4.27	32.6	0.02	<1	0.4	3.8	<10	<2
2698672	0.13	<0.02	16	0.8	0.05	2.3	0.41	<0.1	<0.02	0.07	8.7	0.5	<0.05	<0.1	2.06	29.2	<0.02	1	0.4	2.6	<10	3
2698673	0.1	0.06	66	0.7	0.04	2.8	0.46	<0.1	<0.02	0.33	5	0.5	<0.05	0.2	4.83	20	<0.02	<1	0.3	4.5	<10	4
2698674	0.22	0.08	326	3.1	0.07	1.8	0.3	0.1	0.05	0.4	6.2	0.6	<0.05	1.8	17.71	29.7	0.03	1	0.7	7.3	<10	<2
2698675	0.62	0.08	327	2.1	0.11	2	0.38	<0.1	<0.02	0.25	7.3	0.7	<0.05	0.8	20.17	26.1	0.02	1	0.8	3.4	<10	<2
2698676	0.75	0.03	288	1.7	0.11	1	0.33	<0.1	0.1	0.08	4.8	1	<0.05	5	26.63	49.1	0.03	1	0.3	1.8	<10	4
2698677	0.38	0.08	733	2.1	0.08	1.7	0.42	<0.1	0.05	0.35	6.1	0.7	<0.05	3.3	22	27.6	0.03	1	0.6	8.9	<10	3
2698678	0.45	0.11	178	1.1	0.13	1.2	0.5	<0.1	0.03	0.12	6.7	0.3	<0.05	1	3.76	33.5	<0.02	5	0.2	1.3	<10	<2
2698679	0.57	0.13	27	0.9	0.09	2.1	1.07	0.1	<0.02	0.17	8.3	0.4	<0.05	0.3	1.66	35	<0.02	6	0.2	1	<10	<2
2698680	0.18	0.02	16	0.3	0.08	3.2	1.08	<0.1	<0.02	0.13	5.5	0.6	<0.05	<0.1	1.49	32.5	<0.02	1	0.2	1.1	<10	<2
2698681	0.66	0.24	40	1.7	0.13	1.5	1.36	<0.1	<0.02	0.15	10.8	0.3	<0.05	0.5	2.65	27.7	0.04	7	0.2	1.3	<10	<2
2698682	0.31	0.07	112	1.2	0.08	1	0.6	<0.1	<0.02	0.22	7.1	0.3	<0.05	1.1	4.5	19.5	<0.02	1	0.2	2.2	<10	<2
2698683	0.31	0.09	91	1.2	<0.02	1.2	0.65	<0.1	<0.02	0.2	7	0.3	<0.05	0.9	9.97	27.5	0.03	4	0.4	2.8	<10	<2
2698684	0.63	0.09	353	1.7	0.03	1.2	0.9	<0.1	0.04	0.16	7.3	0.4	<0.05	1.4	13.64	25.9	0.03	1	0.5	3.4	<10	<2
2698685	0.28	0.04	117	2.5	0.09	1.4	0.54	<0.1	0.05	0.24	5.8	0.3	<0.05	2.4	12.62	19.6	0.03	3	0.7	5.8	<10	<2
2698686	0.11	0.02	30	0.4	<0.02	2.1	0.38	<0.1	<0.02	0.28	8.1	0.3	<0.05	0.4	4.28	28.5	<0.02	<1	0.3	4.5	<10	<2
2698687	0.12	0.03	32	0.5	0.04	2.1	0.25	<0.1	0.03	0.32	6.1	0.5	<0.05	0.8	4.95	23.8	<0.02	<1	0.3	4.8	<10	2
2698688	0.17	0.03	79	0.9	0.06	2.3	0.31	<0.1	0.02	0.26	6.2	0.3	<0.05	0.9	13.96	29.8	0.04	7	0.7	9.2	<10	<2
2698689	0.16	0.06	48	1.2	0.07	1.5	0.16	<0.1	0.04	0.24	4.8	0.4	<0.05	0.8	5.02	19.1	<0.02	1	0.3	3.3	<10	<2
2698690	0.13	0.09	111	2.1	0.02	1.1	0.36	<0.1	0.05	0.25	5.1	0.2	<0.05	1.9	12.27	17.6	0.03	4	0.4	4.7	<10	<2
2698691	1.01	0.34	69	1.9	0.13	1.5	1.3	0.1	<0.02	0.11	9.8	0.4	<0.05	0.4	4.57	29.1	0.03	1	0.2	2.2	<10	3
2698692	1.35	0.47	39	2.2	0.15	1.8	1.31	<0.1	<0.02	0.06	11.7	0.5	<0.05	0.4	3.13	28.7	0.04	5	<0.1	2	<10	<2
2698693	0.92	0.26	105	1.8	0.19	1.1	1.21	<0.1	<0.02	0.05	9.3	1.1	<0.05	0.5	6.85	26.5	0.03	7	0.3	1.8	<10	4
2698694	0.36	0.07	66	0.7	0.07	1.5	0.88	<0.1	0.02	0.17	8.9	0.4	<0.05	0.6	3.86	22.8	<0.02	3	0.1	1.7	<10	<2
2698695	0.39	0.13	24	0.8	0.06	2.3	0.75	<0.1	<0.02	0.11	9.2	0.4	<0.05	0.2	1.97	23.5	<0.02	4	0.1	2	<10	<2
2698696	0.75	0.09	338	1.5	0.1	1.1	0.48	<0.1	0.08	0.12	4.9	0.3	<0.05	2.4	13.09	27.1	0.03	10	0.5	1.9	<10	3
2698697	2.82	1.01	724	7.1	0.23	5.8	1.08	0.1	0.15	0.21	14.8	1.4	<0.05	6.7	14.44	23.9	0.05	9	1.1	9.9	14	4
2698698	1.39	0.09	362	2.2	0.11	1.1	0.47	0.1	0.12	0.08	4.1	1.9	<0.05	6.2	28.17	34.4	0.06	4	0.5	1.7	<10	<2
2698699	0.27	0.06	291	1.7	0.04	1.8	0.61	<0.1	0.02	0.12	6	0.5	<0.05	1.5	14.03	23.5	0.03	3	0.7	10	11	3
2698700	0.22	0.07	113	1.9	0.1	2.6	0.9	<0.1	0.04	0.22	13.8	0.7	<0.05	1.9	15.09	27.5	0.02	<1	1	13.1	<10	<2
2698701	0.14	0.04	190	3.3	0.03	1.6	0.48	<0.1	0.06	0.13	9.2	0.3	<0.05	3	19.99	24.9	0.02	4	0.9	4.6	<10	<2
2698702	0.2	<0.02	107	1.3	0.06	1.8	0.93	<0.1	0.05	0.12	10.7	0.3	<0.05	2.4	21.3	43.7	<0.02	<1	0.9	5	<10	<2
2698703	0.13	0.04	60	0.7	0.06	3.5	1.08	<0.1	<0.02	0.21	8.3	0.5	<0.05	0.2	12.27	41.9	0.04	<1	0.5	4.8	<10	<2
2698704	0.33	0.04	84	1.7	0.02	2.3	0.56	<0.1	0.1	0.1	9.3	0.3	<0.05	5.4	19.88	42.1	0.04	<1	1.2	7.4	<10	3
2698705	0.2	0.12	140	2.4	0.04	0.8	0.36	<0.1	0.05	0.15	3.9	0.2	<0.05	2.1	9.72	8.8	<0.02	4	0.4	2.5	<10	3
2698706	0.28	0.05	175	1.4	0.12	1.5	0.43	<0.1	0.04	0.24	6.6	0.3	<0.05	2.1	17.46	25.2	0.03	4	0.6	4.6	<10	4

SAMPLE_NO	TYPE	YEAR	PROPERTY	COMPANY	LAB	Digestion	Method	DESCRIPT	COMMENTS	HORIZON	DEPTH	COLOUR	ORG_pct	SILT_pct	CLAY_pct	SAND_pct	ROCK_pct	VEGETATION	DISTURBANC	WATER	CERTIFICAT	REFERENCE	UTM_E	UTM_N	WR Label	LB_Ba_ppm	GC Label
TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	1.000000	1.000000	TEXT	TEXT	TEXT
2698707	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	40	GYBR			30		70				VAN14002294	2014 CZX Field Notes	361963	6388089		23772	
2698708	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			C/T	45	DGY			15		85				VAN14002294	2014 CZX Field Notes	361934	6388048		5705	
2698709	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	30	GYBR			60		40				VAN14002294	2014 CZX Field Notes	361905	6388007		1690	
2698710	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	30	GYBR			30		70				VAN14002294	2014 CZX Field Notes	361877	6387966		1798	
2698711	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A/B/T	60	DGY	30		70						VAN14002294	2014 CZX Field Notes	361848	6387925		4364	
2698712	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Permafrost at sample site	B	30	DGY			70		30				VAN14002294	2014 CZX Field Notes	361819	6387884		2099	
2698713	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Permafrost at sample site	A	50	BK	50		50						VAN14002294	2014 CZX Field Notes	361791	6387843		1942	
2698714	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	40	DGY			50		50				VAN14002294	2014 CZX Field Notes	361762	6387802		1415	
2698715	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B	35	DGY			60		40				VAN14002294	2014 CZX Field Notes	361733	6387761		2320	
2698716	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	35	DGY			40		60				VAN14002294	2014 CZX Field Notes	361705	6387720		1614	
2698717	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			C/T	30	DGY			40		60				VAN14002294	2014 CZX Field Notes	361676	6387679		3701	
2698718	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			C/T	35	DGY			50		50				VAN14002294	2014 CZX Field Notes	361647	6387638		1288	
2698719	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			A	60	BK	40	60							VAN14002294	2014 CZX Field Notes	361619	6387598		2931	
2698720	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	70	DGY			40		60				VAN14002294	2014 CZX Field Notes	361590	6387557		2398	
2698721	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)			B/T	50	GY			40		60				VAN14002294	2014 CZX Field Notes	361561	6387516		2615	
2698722	SOIL	2014	Yuen North	CZX	Acme	Aqua Regia	ICP-MS (GC), Lithium Fusion (WR)		Permafrost at sample site	A/B/T	40	GYBR	20		40		40				VAN14002294	2014 CZX Field Notes	361532	6387475		2345	

SAMPLE_NO	LB_Mo_ppm	LB_Cu_ppm	LB_Pb_ppm	LB_Zn_ppm	LB_Ag_ppb	LB_Ni_ppm	LB_Co_ppm	LB_Mn_ppm	LB_Fe_pct	LB_As_ppm	LB_U_ppm	LB_Au_ppb	LB_Th_ppm	LB_Sr_ppm	LB_Cd_ppm	LB_Sb_ppm	LB_Bi_ppm	LB_V_ppm	LB_Ca_pct	LB_P_pct	LB_La_ppm	LB_Cr_ppm	LB_Mg_pct	LB_Ba_ppm	LB_Ti_pct	LB_B_ppm	LB_Al_pct	LB_Na_pct	LB_K_pct	LB_W_ppm	LB_Sc_ppm
TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT
2698707	13.02	26.57	28.31	128.2	1793	36.9	4.5	57	2.23	24.3	1.06	1.2	4.1	73.7	0.45	2.84	0.2	47	0.08	0.099	11.4	6.4	0.02	396.7	0.001	<20	0.32	0.004	0.17	<0.05	1.4
2698708	9.83	16.05	24.68	108.4	733	20.1	1.9	17	1.1	12.9	0.53	<0.2	1.8	26.1	0.31	1.57	0.15	68	0.05	0.041	13.9	11.4	0.02	1397.6	0.003	<20	0.32	0.002	0.11	0.05	1.1
2698709	7.71	12.59	7.73	106.9	533	19.1	3.1	28	0.87	4.8	0.49	1.6	0.7	5.7	0.2	0.68	0.07	65	0.02	0.036	16.1	10.2	0.05	342.1	0.004	<20	0.48	<0.001	0.06	0.05	0.8
2698710	7.6	18.72	38.41	304.7	218	28.4	2.2	55	1.67	8.7	1.51	0.9	0.9	9.2	0.81	1.37	0.18	98	0.14	0.155	11.1	12.9	0.08	289.9	0.004	<20	0.51	<0.001	0.09	0.13	1.1
2698711	11.33	31.95	43.62	444.1	767	51.7	7.1	502	1.17	7.4	4.28	0.7	1.1	28.3	7.85	1.82	0.1	123	1.19	0.076	9.7	14.1	0.1	1408.9	0.003	<20	0.55	<0.001	0.06	0.15	2.2
2698712	13.52	23.51	25.18	443.5	238	70.6	11.9	290	1.87	10.7	2.66	0.3	2.2	19	3.07	1.49	0.13	66	0.68	0.075	11.3	10.8	0.11	372	0.005	<20	0.5	<0.001	0.07	0.16	2.1
2698713	4.87	28.63	21.2	498.6	806	72.7	7.4	783	1.46	7.4	2	2	0.6	43	6.22	1.42	0.11	52	2.11	0.108	6.9	8.8	0.1	665.3	0.003	<20	0.38	<0.001	0.05	0.13	1.4
2698714	21.68	25.62	16.37	109.3	579	44.4	2.9	75	1.21	14.2	1.36	0.3	1.3	8	1.61	1.84	0.16	61	0.26	0.048	13.1	6.1	0.03	206.6	0.002	<20	0.24	<0.001	0.06	0.19	1.1
2698715	35.8	36.54	17.94	412.8	895	88.6	7.6	99	1.91	20.5	9.2	2.6	1.2	54.2	4.44	5.32	0.15	95	1.23	0.091	9.1	8.8	0.04	793.7	0.002	<20	0.35	<0.001	0.09	0.73	1.4
2698716	2.5	37.74	49.63	279	467	52.3	3.4	898	0.72	3.1	2.62	0.3	0.3	42.4	6.34	1.3	0.07	41	4.45	0.103	10.1	10.7	0.17	876.7	0.003	<20	0.33	0.001	0.03	0.1	1
2698717	7.18	20.42	40.98	1114.5	760	80.3	7	1706	2.11	7.9	1.02	<0.2	1.5	25.5	7.36	1.42	0.18	86	0.99	0.113	18.2	13.2	0.18	1090.9	0.005	<20	0.63	0.001	0.1	0.24	3.5
2698718	5.72	13.08	29.53	181.5	451	33.5	4.9	252	2.02	9.9	1.07	<0.2	3.3	11	1.08	1.23	0.12	30	0.64	0.07	18.9	6	0.14	266.9	0.002	<20	0.24	<0.001	0.09	0.19	3.6
2698719	3.71	30.35	25.23	223	275	37.8	5.1	356	1.27	4.8	3.13	<0.2	0.5	31.7	4	1.52	0.15	88	1.8	0.088	12.4	12.3	0.13	1057.9	0.004	<20	0.66	0.002	0.04	0.61	1.8
2698720	7.79	18.6	21.3	222.6	435	31.5	6.8	544	2.71	7.6	2.01	<0.2	1	25.6	2.6	1.42	0.16	106	1.62	0.102	11.2	14.5	0.29	889.7	0.005	<20	0.48	0.002	0.07	0.32	2.5
2698721	5.25	21.57	30.67	250.4	589	41.4	7.7	451	1.82	5.8	1.91	<0.2	0.7	28.9	3.12	1.53	0.16	64	1.46	0.103	11.4	15.7	0.17	839	0.004	<20	0.66	0.002	0.07	0.33	2.2
2698722	3.19	23.88	24.49	187.7	915	33.8	5.3	404	1.48	4.5	2.8	0.2	0.8	32.3	1.59	1.35	0.17	53	1.92	0.14	14.2	13.3	0.24	933	0.004	<20	0.58	0.002	0.07	0.39	2.6

SAMPLE_NO	LB_Tl_ppm	LB_S_pct	LB_Hg_ppb	LB_Se_ppm	LB_Te_ppm	LB_Ga_ppm	LB_Cs_ppm	LB_Ge_ppm	LB_Hf_ppm	LB_Nb_ppm	LB_Rb_ppm	LB_Sn_ppm	LB_Ta_ppm	LB_Zr_ppm	LB_Y_ppm	LB_Ce_ppm	LB_In_ppm	LB_Re_ppb	LB_Be_ppm	LB_Li_ppm	LB_Pd_ppb	LB_Pt_ppb
TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT
2698707	0.94	0.3	106	2	0.11	1.3	1.52	<0.1	0.03	0.11	10.8	0.6	<0.05	1.2	4.98	27	<0.02	5	0.1	1.8	<10	2
2698708	0.28	0.13	51	1	0.11	2.7	1.91	<0.1	<0.02	0.14	8.1	0.8	<0.05	0.3	1.93	28.4	<0.02	7	0.2	0.8	<10	2
2698709	0.19	<0.02	14	0.6	0.06	4.7	0.67	<0.1	<0.02	0.12	5.4	0.7	<0.05	0.2	1.65	30	<0.02	3	0.2	1.8	<10	2
2698710	0.23	0.04	214	1.4	0.12	3.1	0.45	<0.1	<0.02	0.21	5.8	0.6	<0.05	0.3	4.7	17.9	0.02	9	0.4	4.7	<10	2
2698711	0.3	0.07	274	0.9	0.08	2.1	0.43	<0.1	0.04	0.38	5.7	0.4	<0.05	1.8	8.48	17.6	0.03	3	0.6	5.2	<10	3
2698712	0.5	0.04	127	1.4	0.1	2	0.36	<0.1	0.03	0.57	7.1	0.4	<0.05	2	10.15	22.7	<0.02	<1	0.5	4.4	<10	<2
2698713	0.29	0.09	182	1.8	0.06	1.1	0.31	<0.1	0.05	0.3	4.3	0.2	<0.05	1.7	10.79	14.1	<0.02	<1	0.5	3.2	<10	4
2698714	0.46	0.03	74	1	0.05	1.1	0.56	<0.1	<0.02	0.11	5.8	0.3	<0.05	0.6	6.64	22.5	<0.02	1	0.3	1.1	<10	<2
2698715	1.22	0.17	694	2.5	0.16	1	0.42	<0.1	0.04	0.13	4.5	0.9	<0.05	3.1	14.59	15.6	0.03	4	0.6	1.2	<10	4
2698716	0.14	0.15	295	1.5	0.04	1.1	0.31	<0.1	0.04	0.17	3.5	0.2	<0.05	2.1	9.95	17.1	<0.02	3	0.5	3.2	<10	<2
2698717	0.25	0.04	222	0.8	0.11	1.9	0.45	<0.1	0.03	0.33	8.1	0.4	<0.05	1.2	15.04	37.1	0.04	<1	0.5	7.1	<10	<2
2698718	0.13	0.02	126	0.6	0.02	0.6	0.63	<0.1	0.08	0.08	5.9	0.1	<0.05	3.8	12.1	35.2	0.02	<1	0.6	2.8	<10	<2
2698719	0.2	0.1	155	1.2	0.03	1.7	0.56	<0.1	0.04	0.37	4	0.4	<0.05	1.5	15.58	22	<0.02	4	0.9	5	<10	<2
2698720	0.17	0.07	104	0.8	0.04	1.5	0.37	<0.1	0.04	0.37	6	0.4	<0.05	1	10.33	22.8	0.04	<1	0.7	4.7	<10	<2
2698721	0.17	0.06	169	1.3	0.03	1.8	0.43	<0.1	0.04	0.44	7	0.4	<0.05	1.1	10.11	23	0.02	2	0.7	7.3	<10	<2
2698722	0.16	0.09	174	1.4	0.05	1.6	0.42	<0.1	0.05	0.33	6.8	0.3	<0.05	2	15.61	24.6	<0.02	<1	0.6	5.6	<10	<2

APPENDIX 3
Rock Sample Maps

362000 mE
363000 mE
364000 mE
365000 mE
366000 mE

6388000 mN
6387000 mN
6386000 mN
6385000 mN

Yuen North Claim Boundary

1024832

N

2698750
2698749
2698746
2698745
2698748
2698747
2698740
2698741
2698742
2698735
2698737
2698743
2698739
2698738
2698736
2698744
2698734

Legend

▲ Grab Sample Number

CANADA ZINC METALS CORP.

Yuen North Claims Rock Sample Location and Number

Date:19/9/2014	
Author:	
Office: Vancouver	
Drawing:	
Scale: 1:10000	Projection: UTM Zone 10 (NAD 83)

0 125 250 500
metres

362000 mE
363000 mE
364000 mE
365000 mE
366000 mE

6388000 mN
6387000 mN
6386000 mN
6385000 mN

Yuen North Claim Boundary

1024832

N

13.77, 12.1
22.35, 10.6
14.21, 38
29.5, 25.3
29.66, 124.2
21.4, 10.2
11.64, 180.1
4.52, 6.9
8.3, 24.4
3.11, 39.7
7.52, 27.3
5.27,61.4
10.86, 10.9
18.7, 6.3
6.45, 12.3
16.04, 117.8
6.44, 47.2

Legend

Pb (ppm), Zn (ppm)

CANADA ZINC METALS CORP.

Yuen North Claims Rock Geochemistry Values Pb(ppm) & Zn(ppm)

Date:19/9/2014
Author:
Office: Vancouver
Drawing:
Scale: 1:10000
Projection: UTM Zone 10 (NAD 83)

0 125 250 500
metres

362000 mE
363000 mE
364000 mE
365000 mE
366000 mE

6388000 mN
6387000 mN
6386000 mN
6385000 mN

Yuen North Claim Boundary

1024832

303, 0.12
426, 0.27
494, 0.42
500, 0.39
372, -0.02
835, 0.07
449, 0.51
184, 0.18
266, 0.41
140, 0.08
442, 0.43
282, 0.18
211, 0.21
441, 0.36
47, 0.03
785, 0.49
102, 0.08

N

Legend
Ag (ppb), Tl (ppm)

CANADA ZINC METALS CORP.

Yuen North Claims Rock Geochemistry Values Ag(ppb) & Tl(ppm)

Date:19/9/2014
Author:
Office: Vancouver
Drawing:
Scale: 1:10000
Projection: UTM Zone 10 (NAD 83)

0 125 250 500
metres

362000 mE
363000 mE
364000 mE
365000 mE
366000 mE

6388000 mN
6387000 mN
6386000 mN
6385000 mN

Yuen North Claim Boundary

1024832

N

0.48, 13093 ▲
0.71, 12090 ▲
0.54, >50000 ▲
0.82, 8471 ▲
0.35, 409 ▲
3.15, 3050 ▲
4.1, 5269 ▲
0.59, 769 ▲
1.07, 48359 ▲
0.79, 508 ▲
0.53, 2594 ▲
37.21, 857 ▲
0.49, 3207 ▲
0.55,3077 ▲
0.76, 846 ▲
16.14, 2877 ▲
1.14, 1913 ▲

Legend
Fe (%), Ba (ppm) ▲

CANADA ZINC METALS CORP.

Yuen North Claims
Rock Geochemistry
Values Fe(%) & Ba(ppm)

Date:19/9/2014
Author:
Office: Vancouver
Drawing:
Scale: 1:10000
Projection: UTM Zone 10 (NAD 83)

0 125 250 500
metres

SAMPLE NO	TYPE	SUBTYPE	LENGTH (cm)	YEAR	PROPERTY	COMPANY	LAB	DIGESTION	METHOD	UNIT	LITHO	MINERALS	DESCRIPT	COMMENTS	CERTIFICATE	REFERENCE	UTM E	UTM N
TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	1	1
2698734	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	Sst	Siltstone		Thinly bedded light brown/light grey weathering light grey siltstone.		VAN14002293	2014 CZX Field Notes	364773	6385220
2698735	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	UDct2	Cherty Shale		Rusty weathering blocky/cherty dark-grey to black cherty shale		VAN14002293	2014 CZX Field Notes	364926	6385729
2698736	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	Sst	Siltstone		Thinly bedded light brown/light grey weathering light grey siltstone.		VAN14002293	2014 CZX Field Notes	364742	6385430
2698737	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	UDct2	Cherty Shale		Rusty weathering blocky/cherty dark-grey to black cherty shale. Taken from ravine 50m downslope from source of iron creek		VAN14002293	2014 CZX Field Notes	364622	6385544
2698738	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	UDct2	Cherty Shale		Rusty weathering blocky/cherty dark-grey to black cherty shale		VAN14002293	2014 CZX Field Notes	365002	6385457
2698739	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	UDsh	Shale		Rusty weathering siliceous black Gunsteel shale		VAN14002293	2014 CZX Field Notes	364652	6385520
2698740	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	UDct2	Cherty Shale		Black blocky cherty shale with gossanous fracture planes...small veinlet of black mineral in one piece		VAN14002293	2014 CZX Field Notes	364080	6386223
2698741	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	UDsh	Shale		Rusty/white weathering black graphitic cherty shale		VAN14002293	2014 CZX Field Notes	364405	6386026
2698742	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	UDbash	Baritic Shale	Barite, Pyrite	White/silver weathering black cherty shale with nod py (rusty pods) and bedded nodular barite		VAN14002293	2014 CZX Field Notes	364333	6385905
2698743	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)		Seep Crust		Sample of red/tan/black/brown crust on Creme Brulee Creek approximately 100 downstream from source of creek		VAN14002293	2014 CZX Field Notes	364621	6385531
2698744	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)		Ferricrete		Sample of red/brown/black ferrocrete direct from source of Creme Brulee Creek		VAN14002293	2014 CZX Field Notes	364787	6385399
2698745	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	UDct2	Cherty Shale		Rusty weathering black blocky cherty shale		VAN14002293	2014 CZX Field Notes	363812	6386542
2698746	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	UDbash	Baritic Shale	Barite	Thin beds of nodular barite in thinly bedded black Gunsteel shale..possible Ba lams as off-white seams		VAN14002293	2014 CZX Field Notes	363904	6386700
2698747	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	Sss	Siltstone		Tan/rusty weathering blocky Silurian siltstone with nodules of pyrite up to 2cm in diameter		VAN14002293	2014 CZX Field Notes	363178	6386391
2698748	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	Scht	Chert		5-10cm bedded blocky black chert with very fine light grey silty laminations, occasional thin rusty lams. Sandwiched between two ridges of Sss		VAN14002293	2014 CZX Field Notes	363274	6386458
2698749	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	UDbash	Baritic Shale	Barite	0.5-5cm thick bedded rusty-white weathering black siliceous Gunsteel shale with minor nodular barite and occasional rusty laminations		VAN14002293	2014 CZX Field Notes	362286	6387575
2698750	ROCK	Grab		2014	Yuen North	CZX	Acme	Aqua Regia	Lithium Borate Fusion/ICP-ES (WR), ICP-MS (GC)	UDbash	Baritic Shale	Barite	0.5-5cm thick bedded rusty-white weathering black siliceous Gunsteel shale with minor nodular barite and occasional rusty laminations		VAN14002293	2014 CZX Field Notes	362344	6387684

SAMPLE NO	WR LABEL	LB_SiO2_pct	LB_Al2O3_pct	LB_Fe2O3_pct	LB_MgO_pct	LB_CaO_pct	LB_Na2O_pct	LB_K2O_pct	LB_TiO2_pct	LB_P2O5_pct	LB_MnO_pct	LB_Cr2O3_pct	LB_Ba_ppm	LB_Ni_ppm	LB_Sr_ppm	LB_Zr_ppm	LB_Y_ppm	LB_Nb_ppm	LB_Sc_ppm	LB_LOI_pct	LB_Sum_pct	LB_TOT/C_pct	LB_TOT/S_pct
TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT
2698734		59.75	7.31	1.81	5.22	8.46	0.05	3.05	0.31	0.07	0.05	0.006	1913	<20	93	282	21	7	4	13.5	99.91	3.38	0.03
2698735		94.57	1.21	1.12	0.11	0.06	<0.01	0.28	0.05	0.02	<0.01	<0.002	508	<20	11	14	4	<5	1	2.5	100.01	1.13	0.07
2698736		56.07	5.14	1.34	6.74	10.16	0.04	3	0.29	0.04	0.02	0.005	846	20	90	250	13	<5	3	16.9	99.88	4.76	<0.02
2698737		87.44	4.8	0.83	0.45	0.02	0.02	1.07	0.23	0.02	<0.01	0.005	2594	32	14	47	10	<5	5	4.7	99.91	2.38	0.18
2698738		79.49	9.94	1.43	0.75	0.1	0.04	2.63	0.51	0.21	<0.01	0.013	3077	<20	24	129	16	9	9	4.5	99.94	1.19	0.17
2698739		70.11	14.2	1.59	1.17	0.03	0.67	3.21	0.6	0.06	<0.01	0.012	3207	45	27	98	24	8	14	7.7	99.73	3.42	0.03
2698740		76.55	7.65	6.66	0.53	0.01	0.03	2	0.39	0.31	<0.01	0.011	5269	37	137	110	14	10	7	5.2	99.91	0.73	0.28
2698741		91.08	2.7	1	0.26	<0.01	<0.01	0.6	0.11	0.03	<0.01	0.003	769	24	7	25	5	<5	2	4	99.88	2.22	0.1
2698742		78.43	6.19	1.68	0.43	0.07	0.03	1.53	0.38	0.14	<0.01	0.01	48359	<20	186	89	11	9	7	5.6	99.91	1.5	1.22
2698743		12.92	3.17	51.1	0.27	0.04	0.07	0.69	0.12	<0.01	<0.01	0.004	857	<20	13	19	6	<5	3	31.5	99.96	0.95	4.65
2698744		46.55	10.86	22.17	0.92	0.03	0.33	2.52	0.42	0.14	<0.01	0.011	2877	30	37	72	14	6	10	15.7	99.93	1.52	1.48
2698745		79.4	9.79	1.71	0.62	0.11	0.03	2.38	0.47	0.17	<0.01	0.013	8471	26	60	110	19	9	9	4.3	99.93	1.19	0.12
2698746		59.58	7.94	1.16	0.38	0.05	0.05	2.05	0.39	0.09	<0.01	0.011	>50000	<20	875	86	11	13	7	4.1	92.48	0.76	3.57
2698747		68.48	6.99	4.89	3.09	4.5	0.77	2.71	0.35	0.03	0.03	0.004	3050	26	66	152	12	<5	4	7.7	99.94	1.79	2.41
2698748		92.22	0.79	0.52	0.11	2.01	<0.01	0.25	0.03	1.36	<0.01	0.003	409	23	19	10	10	<5	<1	2.6	100	1.67	0.04
2698749		80.14	8.84	1.45	0.6	0.04	0.03	2.26	0.45	0.14	<0.01	0.012	12090	<20	56	117	13	11	7	4.6	99.94	1.21	0.29
2698750		80.28	9.01	1.14	0.6	0.04	0.03	2.36	0.46	0.12	<0.01	0.012	13093	<20	77	124	14	11	9	4.4	99.93	1.32	0.26

SAMPLE NO	GC LABEL	LB_Mo_ppm	LB_Cu_ppm	LB_Pb_ppm	LB_Zn_ppm	LB_Ag_ppb	LB_Ni_ppm	LB_Co_ppm	LB_Mn_ppm	LB_Fe_pct	LB_As_ppm	LB_U_ppm	LB_Au_ppb	LB_Th_ppm	LB_Sr_ppm	LB_Cd_ppm	LB_Sb_ppm	LB_Bi_ppm	LB_V_ppm	LB_Ca_pct	LB_P_pct	LB_La_ppm	LB_Cr_ppm	LB_Mg_pct	LB_Ba_ppm	LB_Ti_pct
TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT
2698734		0.55	4.18	6.44	47.2	102	9.3	2.7	431	1.14	1.4	0.4	0.6	3.7	69.8	0.25	0.56	0.04	4	5.53	0.03	14.4	3.5	2.8	158.7	0.001
2698735		14.77	5.1	3.11	39.7	140	13.1	0.3	31	0.79	4.5	3.13	<0.2	0.3	7	0.14	1.27	0.03	5	0.05	0.004	2.4	2.7	0.02	268.1	<0.001
2698736		2.21	3.81	6.45	12.3	47	11.4	2	179	0.76	2	0.36	0.6	2.4	63.5	0.07	0.59	0.03	12	6.94	0.019	8.9	3.8	3.81	80.6	0.002
2698737		15.69	7.87	7.52	27.3	442	4.5	0.3	23	0.53	6.6	3.08	0.6	1.6	8	0.12	2.4	0.11	65	0.03	0.008	7.6	5.5	0.04	553.4	0.002
2698738		6.89	3.43	18.7	6.3	441	1.9	0.1	10	0.55	13.4	0.91	0.7	5.3	15.8	0.02	2.03	0.18	35	0.07	0.096	16.1	7.8	0.05	406	0.002
2698739		33.5	14.6	10.86	10.9	211	8.4	0.5	13	0.49	7.1	5.19	1	7.9	5.5	0.06	0.5	0.21	19	0.01	0.031	27.1	11.3	0.13	267.3	0.001
2698740		4.75	48.96	11.64	180.1	449	31.2	3.5	20	4.1	25.5	2.33	0.8	3.7	118.2	0.18	2.11	0.15	88	0.01	0.143	6.9	11	0.02	1367.3	0.002
2698741		9.04	5.42	4.52	6.9	184	4.3	0.3	26	0.59	5.1	1.4	0.3	0.7	4	0.03	1.53	0.06	43	<0.01	0.006	3.7	3.6	0.02	191.2	0.001
2698742		8.51	11.2	8.3	24.4	266	6.9	0.4	12	1.07	12.7	1.41	<0.2	3.4	36.1	0.04	1.99	0.17	32	0.03	0.063	9.1	6.9	0.02	2213.3	0.002
2698743		5.07	8.41	5.27	61.4	282	9.5	1.6	30	37.21	3	0.83	2.2	1.1	7.9	0.48	0.41	0.05	36	0.03	0.016	1.8	5.9	0.06	38	0.001
2698744		17.6	33.21	16.04	117.8	785	20.7	2.7	38	16.14	10.1	2.6	0.5	3.9	20.1	0.37	1.02	0.21	31	0.01	0.067	8.2	11.1	0.11	191.1	0.001
2698745		4.12	14.73	29.5	25.3	500	3.5	0.1	8	0.82	7.1	1.54	<0.2	4.8	48.9	0.43	1.11	0.18	28	0.07	0.07	6.1	6.7	0.03	2100.9	0.002
2698746		4.93	12.44	14.21	38	494	3.8	0.4	11	0.54	5.2	1.73	1.1	2.4	128.9	0.18	1.33	0.19	23	0.03	0.031	5.1	4.8	0.01	2822.3	0.001
2698747		0.42	9.97	21.4	10.2	835	19.9	7	228	3.15	1.7	0.41	1.2	2.8	42.8	0.02	0.67	0.05	4	3.14	0.015	7.6	5	1.62	49.6	0.002
2698748		0.81	16.09	29.66	124.2	372	8.4	0.5	31	0.35	1	2.77	<0.2	0.9	21.1	4.63	0.67	0.04	33	1.52	0.592	6.9	10	0.05	367.8	0.004
2698749		5.22	8.75	22.35	10.6	426	1.2	0.1	12	0.71	11.1	1.02	0.9	3.7	32.4	0.05	1.63	0.19	23	0.03	0.055	11.1	5.7	0.03	2274.2	0.002
2698750		4.94	5.45	13.77	12.1	303	2.7	0.3	13	0.48	11.5	0.84	<0.2	4.5	40.2	0.08	1.55	0.19	24	0.03	0.059	15.7	5.8	0.03	3102.6	0.002

SAMPLE NO	LB_B_ppm	LB_Al_pct	LB_Na_pct	LB_K_pct	LB_W_ppm	LB_Sc_ppm	LB_Tl_ppm	LB_S_pct	LB_Hg_ppb	LB_Se_ppm	LB_Te_ppm	LB_Ga_ppm	LB_Cs_ppm	LB_Ge_ppm	LB_Hf_ppm	LB_Nb_ppm	LB_Rb_ppm	LB_Sn_ppm	LB_Ta_ppm	LB_Zr_ppm	LB_Y_ppm	LB_Ce_ppm	LB_In_ppm	LB_Re_ppb	LB_Be_ppm	LB_Li_ppm	LB_Pd_ppb	LB_Pt_ppb
TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT	TEXT
2698734	<20	0.23	0.005	0.16	<0.05	2.8	0.08	0.02	10	0.3	<0.02	0.7	0.32	<0.1	0.12	<0.02	5.9	0.1	<0.05	5.6	10.31	26.5	<0.02	<1	0.4	2.2	<10	4
2698735	<20	0.08	0.002	0.04	0.05	0.3	0.08	0.05	125	1.7	0.05	0.2	0.21	<0.1	0.04	<0.02	2.1	<0.1	<0.05	1.7	0.86	4.2	<0.02	15	<0.1	0.4	<10	<2
2698736	<20	0.14	0.007	0.12	<0.05	2.2	0.03	<0.02	7	0.2	<0.02	0.4	0.08	<0.1	0.15	0.02	3	<0.1	<0.05	6.4	8.35	17.4	<0.02	<1	0.2	1.4	<10	2
2698737	<20	0.26	0.002	0.12	<0.05	0.9	0.43	0.18	192	4.7	0.1	0.7	0.69	<0.1	0.14	<0.02	6.4	0.1	<0.05	6	2.59	13.9	<0.02	38	0.3	1.5	<10	2
2698738	<20	0.44	0.003	0.26	<0.05	1.6	0.36	0.16	49	2.5	0.06	1.3	2.88	<0.1	0.11	<0.02	15.5	0.2	<0.05	5.7	3.76	27.5	<0.02	7	0.3	2	<10	3
2698739	<20	0.5	0.005	0.24	<0.05	2.6	0.21	<0.02	51	1.7	0.14	2.7	2.05	<0.1	0.24	<0.02	12.2	0.4	<0.05	10.4	8.95	46	<0.02	37	0.3	3.6	<10	2
2698740	<20	0.33	0.003	0.24	<0.05	2.1	0.51	0.26	64	3.4	0.08	1.2	1.91	<0.1	0.06	0.05	11.9	0.1	<0.05	4.1	4.79	14.2	<0.02	5	0.4	1.5	<10	<2
2698741	<20	0.17	<0.001	0.09	0.08	0.6	0.18	0.09	29	1.4	0.04	0.5	0.49	<0.1	0.07	<0.02	4.4	<0.1	<0.05	3.2	1.19	6.9	<0.02	15	0.1	1.3	<10	<2
2698742	<20	0.38	0.003	0.16	<0.05	1.5	0.41	0.17	168	2.3	0.09	1.3	0.84	<0.1	0.08	0.04	7.8	0.2	<0.05	4.2	3.47	18.7	<0.02	11	0.2	1.8	<10	<2
2698743	<20	0.25	0.004	0.11	<0.05	1.1	0.18	3.82	30	1	0.05	0.9	1	0.2	0.14	0.09	6.8	<0.1	<0.05	4.2	2.85	3.4	<0.02	2	0.2	1.4	<10	<2
2698744	<20	0.45	0.006	0.24	<0.05	2.2	0.49	1.35	81	2.9	0.05	1.7	2.4	0.1	0.17	0.04	12.7	0.2	<0.05	9	5.56	13.9	0.02	11	0.3	3.6	<10	<2
2698745	<20	0.34	0.002	0.21	<0.05	1.8	0.39	0.12	77	1.2	0.09	1	1.95	<0.1	0.11	0.02	11.9	0.2	<0.05	5.1	6.96	16.6	<0.02	10	<0.1	1.7	<10	<2
2698746	<20	0.34	0.002	0.14	<0.05	1.2	0.42	0.15	95	0.8	0.1	0.8	1.42	<0.1	0.13	<0.02	7.7	0.1	<0.05	5.6	3.55	12.2	<0.02	11	0.2	1.6	<10	3
2698747	<20	0.38	0.011	0.18	<0.05	2.5	0.07	2.41	159	3.4	<0.02	1.3	0.43	<0.1	0.28	<0.02	8.2	0.5	<0.05	8.5	7.84	14.7	<0.02	<1	0.2	7.4	<10	<2
2698748	<20	0.14	0.003	0.07	<0.05	0.7	<0.02	0.03	1120	1.4	<0.02	0.5	0.16	<0.1	0.06	<0.02	2.4	0.1	<0.05	2.1	10.69	6.9	<0.02	13	0.2	1.2	<10	3
2698749	<20	0.3	0.002	0.19	<0.05	1.1	0.27	0.2	96	2	0.09	1	1.5	<0.1	0.09	0.03	10.3	0.2	<0.05	4.5	1.77	22.9	<0.02	11	0.2	2	<10	3
2698750	<20	0.35	0.002	0.19	<0.05	2	0.12	0.13	77	1.4	0.07	1.2	1.84	<0.1	0.1	0.03	11.2	0.2	<0.05	5.6	2.32	29.7	<0.02	7	0.2	2.2	<10	<2

APPENDIX 4
Analytical Certificates

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

www.acmelab.com

Client: **Canada Zinc Metals Corp.**
Suite 2050 - 1055 W. Georgia St.
PO Box 11121, Royal Centre
Vancouver BC V6E 3P3 CANADA

Submitted By: Nicholas Johnson
Receiving Lab: Canada-Vancouver
Received: July 17, 2014
Report Date: August 08, 2014
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN14002293.1

CLIENT JOB INFORMATION

Project:	AKIE
Shipment ID:	CZX 10 July 2014
P.O. Number	YUEN NORTH
Number of Samples:	17

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
BAT01	1	Batch charge of <20 samples			VAN
PRP70-250	17	Crush, split and pulverize 250 g rock to 200 mesh			VAN
LF302	17	LiBO2/Li2B4O7 fusion ICP-ES analysis	0.2	Completed	VAN
AQ250_EXT	17	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
DRPLP	17	Warehouse handling / disposition of pulps			VAN
DRRJT	16	Warehouse handling / Disposition of reject			VAN

ADDITIONAL COMMENTS

Invoice To: Canada Zinc Metals Corp.
Suite 2050 - 1055 W. Georgia St.
PO Box 11121, Royal Centre
Vancouver BC V6E 3P3
CANADA

CC: Ken MacDonald

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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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www.acmelab.com

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Canada Zinc Metals Corp.**
Suite 2050 - 1055 W. Georgia St.
PO Box 11121, Royal Centre
Vancouver BC V6E 3P3 CANADA

Project: AKIE
Report Date: August 08, 2014

CERTIFICATE OF ANALYSIS VAN14002293.1

	Method	WGHT	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr	Zr	Y	Nb	Sc	LOI
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2	5	3	5	1	-5.1
2698734	Rock	0.80	59.75	7.31	1.81	5.22	8.46	0.05	3.05	0.31	0.07	0.05	0.006	1913	<20	93	282	21	7	4	13.5
2698735	Rock	0.91	94.57	1.21	1.12	0.11	0.06	<0.01	0.28	0.05	0.02	<0.01	<0.002	508	<20	11	14	4	<5	1	2.5
2698736	Rock	0.33	56.07	5.14	1.34	6.74	10.16	0.04	3.00	0.29	0.04	0.02	0.005	846	20	90	250	13	<5	3	16.9
2698737	Rock	0.75	87.44	4.80	0.83	0.45	0.02	0.02	1.07	0.23	0.02	<0.01	0.005	2594	32	14	47	10	<5	5	4.7
2698738	Rock	0.41	79.49	9.94	1.43	0.75	0.10	0.04	2.63	0.51	0.21	<0.01	0.013	3077	<20	24	129	16	9	9	4.5
2698739	Rock	0.55	70.11	14.20	1.59	1.17	0.03	0.67	3.21	0.60	0.06	<0.01	0.012	3207	45	27	98	24	8	14	7.7
2698740	Rock	1.17	76.55	7.65	6.66	0.53	0.01	0.03	2.00	0.39	0.31	<0.01	0.011	5269	37	137	110	14	10	7	5.2
2698741	Rock	1.32	91.08	2.70	1.00	0.26	<0.01	<0.01	0.60	0.11	0.03	<0.01	0.003	769	24	7	25	5	<5	2	4.0
2698742	Rock	1.65	78.43	6.19	1.68	0.43	0.07	0.03	1.53	0.38	0.14	<0.01	0.010	48359	<20	186	89	11	9	7	5.6
2698743	Rock	0.44	12.92	3.17	51.10	0.27	0.04	0.07	0.69	0.12	<0.01	<0.01	0.004	857	<20	13	19	6	<5	3	31.5
2698744	Rock	0.89	46.55	10.86	22.17	0.92	0.03	0.33	2.52	0.42	0.14	<0.01	0.011	2877	30	37	72	14	6	10	15.7
2698745	Rock	0.97	79.40	9.79	1.71	0.62	0.11	0.03	2.38	0.47	0.17	<0.01	0.013	8471	26	60	110	19	9	9	4.3
2698746	Rock	1.47	59.58	7.94	1.16	0.38	0.05	0.05	2.05	0.39	0.09	<0.01	0.011	>50000	<20	875	86	11	13	7	4.1
2698747	Rock	0.94	68.48	6.99	4.89	3.09	4.50	0.77	2.71	0.35	0.03	0.03	0.004	3050	26	66	152	12	<5	4	7.7
2698748	Rock	1.34	92.22	0.79	0.52	0.11	2.01	<0.01	0.25	0.03	1.36	<0.01	0.003	409	23	19	10	10	<5	<1	2.6
2698749	Rock	1.59	80.14	8.84	1.45	0.60	0.04	0.03	2.26	0.45	0.14	<0.01	0.012	12090	<20	56	117	13	11	7	4.6
2698750	Rock	1.15	80.28	9.01	1.14	0.60	0.04	0.03	2.36	0.46	0.12	<0.01	0.012	13093	<20	77	124	14	11	9	4.4

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Project: AKIE
Report Date: August 08, 2014

CERTIFICATE OF ANALYSIS VAN14002293.1

	Method	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
	Unit	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.05	0.2	0.1	0.5	0.01	0.02	0.02
2698734	Rock	99.91	3.38	0.03	0.55	4.18	6.44	47.2	102	9.3	2.7	431	1.14	1.4	0.40	0.6	3.7	69.8	0.25	0.56	0.04
2698735	Rock	100.01	1.13	0.07	14.77	5.10	3.11	39.7	140	13.1	0.3	31	0.79	4.5	3.13	<0.2	0.3	7.0	0.14	1.27	0.03
2698736	Rock	99.88	4.76	<0.02	2.21	3.81	6.45	12.3	47	11.4	2.0	179	0.76	2.0	0.36	0.6	2.4	63.5	0.07	0.59	0.03
2698737	Rock	99.91	2.38	0.18	15.69	7.87	7.52	27.3	442	4.5	0.3	23	0.53	6.6	3.08	0.6	1.6	8.0	0.12	2.40	0.11
2698738	Rock	99.94	1.19	0.17	6.89	3.43	18.70	6.3	441	1.9	0.1	10	0.55	13.4	0.91	0.7	5.3	15.8	0.02	2.03	0.18
2698739	Rock	99.73	3.42	0.03	33.50	14.60	10.86	10.9	211	8.4	0.5	13	0.49	7.1	5.19	1.0	7.9	5.5	0.06	0.50	0.21
2698740	Rock	99.91	0.73	0.28	4.75	48.96	11.64	180.1	449	31.2	3.5	20	4.10	25.5	2.33	0.8	3.7	118.2	0.18	2.11	0.15
2698741	Rock	99.88	2.22	0.10	9.04	5.42	4.52	6.9	184	4.3	0.3	26	0.59	5.1	1.40	0.3	0.7	4.0	0.03	1.53	0.06
2698742	Rock	99.91	1.50	1.22	8.51	11.20	8.30	24.4	266	6.9	0.4	12	1.07	12.7	1.41	<0.2	3.4	36.1	0.04	1.99	0.17
2698743	Rock	99.96	0.95	4.65	5.07	8.41	5.27	61.4	282	9.5	1.6	30	37.21	3.0	0.83	2.2	1.1	7.9	0.48	0.41	0.05
2698744	Rock	99.93	1.52	1.48	17.60	33.21	16.04	117.8	785	20.7	2.7	38	16.14	10.1	2.60	0.5	3.9	20.1	0.37	1.02	0.21
2698745	Rock	99.93	1.19	0.12	4.12	14.73	29.50	25.3	500	3.5	0.1	8	0.82	7.1	1.54	<0.2	4.8	48.9	0.43	1.11	0.18
2698746	Rock	92.48	0.76	3.57	4.93	12.44	14.21	38.0	494	3.8	0.4	11	0.54	5.2	1.73	1.1	2.4	128.9	0.18	1.33	0.19
2698747	Rock	99.94	1.79	2.41	0.42	9.97	21.40	10.2	835	19.9	7.0	228	3.15	1.7	0.41	1.2	2.8	42.8	0.02	0.67	0.05
2698748	Rock	100.00	1.67	0.04	0.81	16.09	29.66	124.2	372	8.4	0.5	31	0.35	1.0	2.77	<0.2	0.9	21.1	4.63	0.67	0.04
2698749	Rock	99.94	1.21	0.29	5.22	8.75	22.35	10.6	426	1.2	0.1	12	0.71	11.1	1.02	0.9	3.7	32.4	0.05	1.63	0.19
2698750	Rock	99.93	1.32	0.26	4.94	5.45	13.77	12.1	303	2.7	0.3	13	0.48	11.5	0.84	<0.2	4.5	40.2	0.08	1.55	0.19

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CERTIFICATE OF ANALYSIS VAN14002293.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.05	0.1	0.02	0.02	5	0.1	0.02	0.1
2698734	Rock		4	5.53	0.030	14.4	3.5	2.80	158.7	0.001	<20	0.23	0.005	0.16	<0.05	2.8	0.08	0.02	10	0.3	<0.02	0.7
2698735	Rock		5	0.05	0.004	2.4	2.7	0.02	268.1	<0.001	<20	0.08	0.002	0.04	0.05	0.3	0.08	0.05	125	1.7	0.05	0.2
2698736	Rock		12	6.94	0.019	8.9	3.8	3.81	80.6	0.002	<20	0.14	0.007	0.12	<0.05	2.2	0.03	<0.02	7	0.2	<0.02	0.4
2698737	Rock		65	0.03	0.008	7.6	5.5	0.04	553.4	0.002	<20	0.26	0.002	0.12	<0.05	0.9	0.43	0.18	192	4.7	0.10	0.7
2698738	Rock		35	0.07	0.096	16.1	7.8	0.05	406.0	0.002	<20	0.44	0.003	0.26	<0.05	1.6	0.36	0.16	49	2.5	0.06	1.3
2698739	Rock		19	0.01	0.031	27.1	11.3	0.13	267.3	0.001	<20	0.50	0.005	0.24	<0.05	2.6	0.21	<0.02	51	1.7	0.14	2.7
2698740	Rock		88	0.01	0.143	6.9	11.0	0.02	1367.3	0.002	<20	0.33	0.003	0.24	<0.05	2.1	0.51	0.26	64	3.4	0.08	1.2
2698741	Rock		43	<0.01	0.006	3.7	3.6	0.02	191.2	0.001	<20	0.17	<0.001	0.09	0.08	0.6	0.18	0.09	29	1.4	0.04	0.5
2698742	Rock		32	0.03	0.063	9.1	6.9	0.02	2213.3	0.002	<20	0.38	0.003	0.16	<0.05	1.5	0.41	0.17	168	2.3	0.09	1.3
2698743	Rock		36	0.03	0.016	1.8	5.9	0.06	38.0	0.001	<20	0.25	0.004	0.11	<0.05	1.1	0.18	3.82	30	1.0	0.05	0.9
2698744	Rock		31	0.01	0.067	8.2	11.1	0.11	191.1	0.001	<20	0.45	0.006	0.24	<0.05	2.2	0.49	1.35	81	2.9	0.05	1.7
2698745	Rock		28	0.07	0.070	6.1	6.7	0.03	2100.9	0.002	<20	0.34	0.002	0.21	<0.05	1.8	0.39	0.12	77	1.2	0.09	1.0
2698746	Rock		23	0.03	0.031	5.1	4.8	0.01	2822.3	0.001	<20	0.34	0.002	0.14	<0.05	1.2	0.42	0.15	95	0.8	0.10	0.8
2698747	Rock		4	3.14	0.015	7.6	5.0	1.62	49.6	0.002	<20	0.38	0.011	0.18	<0.05	2.5	0.07	2.41	159	3.4	<0.02	1.3
2698748	Rock		33	1.52	0.592	6.9	10.0	0.05	367.8	0.004	<20	0.14	0.003	0.07	<0.05	0.7	<0.02	0.03	1120	1.4	<0.02	0.5
2698749	Rock		23	0.03	0.055	11.1	5.7	0.03	2274.2	0.002	<20	0.30	0.002	0.19	<0.05	1.1	0.27	0.20	96	2.0	0.09	1.0
2698750	Rock		24	0.03	0.059	15.7	5.8	0.03	3102.6	0.002	<20	0.35	0.002	0.19	<0.05	2.0	0.12	0.13	77	1.4	0.07	1.2

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Project: AKIE
Report Date: August 08, 2014

CERTIFICATE OF ANALYSIS VAN14002293.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
2698734	Rock	0.32	<0.1	0.12	<0.02	5.9	0.1	<0.05	5.6	10.31	26.5	<0.02	<1	0.4	2.2	<10	4
2698735	Rock	0.21	<0.1	0.04	<0.02	2.1	<0.1	<0.05	1.7	0.86	4.2	<0.02	15	<0.1	0.4	<10	<2
2698736	Rock	0.08	<0.1	0.15	0.02	3.0	<0.1	<0.05	6.4	8.35	17.4	<0.02	<1	0.2	1.4	<10	2
2698737	Rock	0.69	<0.1	0.14	<0.02	6.4	0.1	<0.05	6.0	2.59	13.9	<0.02	38	0.3	1.5	<10	2
2698738	Rock	2.88	<0.1	0.11	<0.02	15.5	0.2	<0.05	5.7	3.76	27.5	<0.02	7	0.3	2.0	<10	3
2698739	Rock	2.05	<0.1	0.24	<0.02	12.2	0.4	<0.05	10.4	8.95	46.0	<0.02	37	0.3	3.6	<10	2
2698740	Rock	1.91	<0.1	0.06	0.05	11.9	0.1	<0.05	4.1	4.79	14.2	<0.02	5	0.4	1.5	<10	<2
2698741	Rock	0.49	<0.1	0.07	<0.02	4.4	<0.1	<0.05	3.2	1.19	6.9	<0.02	15	0.1	1.3	<10	<2
2698742	Rock	0.84	<0.1	0.08	0.04	7.8	0.2	<0.05	4.2	3.47	18.7	<0.02	11	0.2	1.8	<10	<2
2698743	Rock	1.00	0.2	0.14	0.09	6.8	<0.1	<0.05	4.2	2.85	3.4	<0.02	2	0.2	1.4	<10	<2
2698744	Rock	2.40	0.1	0.17	0.04	12.7	0.2	<0.05	9.0	5.56	13.9	0.02	11	0.3	3.6	<10	<2
2698745	Rock	1.95	<0.1	0.11	0.02	11.9	0.2	<0.05	5.1	6.96	16.6	<0.02	10	<0.1	1.7	<10	<2
2698746	Rock	1.42	<0.1	0.13	<0.02	7.7	0.1	<0.05	5.6	3.55	12.2	<0.02	11	0.2	1.6	<10	3
2698747	Rock	0.43	<0.1	0.28	<0.02	8.2	0.5	<0.05	8.5	7.84	14.7	<0.02	<1	0.2	7.4	<10	<2
2698748	Rock	0.16	<0.1	0.06	<0.02	2.4	0.1	<0.05	2.1	10.69	6.9	<0.02	13	0.2	1.2	<10	3
2698749	Rock	1.50	<0.1	0.09	0.03	10.3	0.2	<0.05	4.5	1.77	22.9	<0.02	11	0.2	2.0	<10	3
2698750	Rock	1.84	<0.1	0.10	0.03	11.2	0.2	<0.05	5.6	2.32	29.7	<0.02	7	0.2	2.2	<10	<2

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Project: AKIE
Report Date: August 08, 2014

QUALITY CONTROL REPORT VAN14002293.1

	Method	WGHT	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300	LF300
	Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr	Zr	Y	Nb	Sc	LOI
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	5	20	2	5	3	5	1	-5.1
Pulp Duplicates																					
REP G1	QC		67.69	15.56	3.41	1.18	3.38	3.51	3.63	0.40	0.18	0.10	<0.002	1024	<20	709	132	18	26	6	0.7
2698741	Rock	1.32	91.08	2.70	1.00	0.26	<0.01	<0.01	0.60	0.11	0.03	<0.01	0.003	769	24	7	25	5	<5	2	4.0
REP 2698741	QC																				
2698746	Rock	1.47	59.58	7.94	1.16	0.38	0.05	0.05	2.05	0.39	0.09	<0.01	0.011	>50000	<20	875	86	11	13	7	4.1
REP 2698746	QC		57.77	7.76	0.99	0.39	0.04	0.05	2.02	0.38	0.09	<0.01	0.013	>50000	20	852	82	11	8	7	4.1
2698750	Rock	1.15	80.28	9.01	1.14	0.60	0.04	0.03	2.36	0.46	0.12	<0.01	0.012	13093	<20	77	124	14	11	9	4.4
REP 2698750	QC																				
Core Reject Duplicates																					
2698749	Rock	1.59	80.14	8.84	1.45	0.60	0.04	0.03	2.26	0.45	0.14	<0.01	0.012	12090	<20	56	117	13	11	7	4.6
DUP 2698749	QC		80.08	8.90	1.45	0.60	0.04	0.03	2.28	0.45	0.14	<0.01	0.012	12080	<20	56	123	13	14	7	4.6
Reference Materials																					
STD DS10	Standard																				
STD GS311-1	Standard																				
STD GS910-4	Standard																				
STD OREAS45EA	Standard																				
STD SO-18	Standard		58.39	14.12	7.47	3.39	6.35	3.62	2.11	0.69	0.78	0.39	0.527	485	43	380	304	29	26	23	1.9
STD SO-18	Standard		58.39	14.06	7.55	3.37	6.30	3.64	2.12	0.69	0.79	0.39	0.534	497	46	384	300	29	19	24	1.9
STD SO-18	Standard		58.13	14.15	7.64	3.37	6.38	3.62	2.11	0.70	0.77	0.40	0.545	486	42	380	300	28	23	24	1.9
STD SO-18	Standard		58.13	14.17	7.59	3.40	6.38	3.62	2.11	0.70	0.79	0.40	0.545	488	50	381	302	29	25	24	1.9
STD GS311-1 Expected																					
STD GS910-4 Expected																					
STD DS10 Expected																					
STD OREAS45EA Expected																					
STD SO-18 Expected			58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	515	44	402	290	29	21	25	
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<20	<2	<5	<3	<5	<1	0.0
BLK	Blank		0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<5	<20	<2	<5	<3	<5	<1	0.0

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QUALITY CONTROL REPORT VAN14002293.1

		Method	LF300	TC000	TC000	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	Sum	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		Unit	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		MDL	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.05	0.2	0.1	0.5	0.01	0.02	0.02
Pulp Duplicates																						
REP G1	QC		99.97																			
2698741	Rock		99.88	2.22	0.10	9.04	5.42	4.52	6.9	184	4.3	0.3	26	0.59	5.1	1.40	0.3	0.7	4.0	0.03	1.53	0.06
REP 2698741	QC					9.27	5.43	4.83	7.3	180	4.5	0.3	28	0.58	4.9	1.47	<0.2	0.8	4.0	0.02	1.60	0.07
2698746	Rock		92.48	0.76	3.57	4.93	12.44	14.21	38.0	494	3.8	0.4	11	0.54	5.2	1.73	1.1	2.4	128.9	0.18	1.33	0.19
REP 2698746	QC		90.09																			
2698750	Rock		99.93	1.32	0.26	4.94	5.45	13.77	12.1	303	2.7	0.3	13	0.48	11.5	0.84	<0.2	4.5	40.2	0.08	1.55	0.19
REP 2698750	QC			1.29	0.27																	
Core Reject Duplicates																						
2698749	Rock		99.94	1.21	0.29	5.22	8.75	22.35	10.6	426	1.2	0.1	12	0.71	11.1	1.02	0.9	3.7	32.4	0.05	1.63	0.19
DUP 2698749	QC		99.94	1.24	0.29	5.17	9.02	22.03	10.8	461	1.1	0.1	12	0.72	11.1	1.07	0.6	3.8	32.1	0.06	1.63	0.20
Reference Materials																						
STD DS10	Standard					15.51	164.58	153.57	372.1	1989	77.1	13.5	917	2.79	50.9	2.94	109.1	7.8	63.2	2.67	7.60	11.24
STD GS311-1	Standard			1.00	2.42																	
STD GS910-4	Standard			2.59	8.57																	
STD OREAS45EA	Standard					1.67	685.53	14.63	29.3	270	373.6	51.1	408	24.62	9.8	1.87	54.6	11.0	3.8	0.03	0.30	0.24
STD SO-18	Standard		99.89																			
STD SO-18	Standard		99.88																			
STD SO-18	Standard		99.87																			
STD SO-18	Standard		99.88																			
STD GS311-1 Expected				1.02	2.35																	
STD GS910-4 Expected				2.65	8.27																	
STD DS10 Expected						14.69	154.61	150.55	370	2020	74.6	12.9	875	2.7188	43.7	2.59	91.9	7.5	67.1	2.49	8.23	11.65
STD OREAS45EA Expected						1.39	709	14.3	28.9	260	381	52	400	23.51	9.1	1.73	53	10.7	3.5	0.02	0.2	0.26
STD SO-18 Expected																						
BLK	Blank			<0.02	<0.02																	
BLK	Blank					<0.01	<0.01	0.02	<0.1	3	<0.1	<0.1	<1	<0.01	0.2	<0.05	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02
BLK	Blank		<0.01																			
BLK	Blank		0.02																			

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Project: AKIE
Report Date: August 08, 2014

QUALITY CONTROL REPORT VAN14002293.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.05	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																						
REP G1	QC																					
2698741	Rock		43	<0.01	0.006	3.7	3.6	0.02	191.2	0.001	<20	0.17	<0.001	0.09	0.08	0.6	0.18	0.09	29	1.4	0.04	0.5
REP 2698741	QC		42	<0.01	0.007	3.9	3.5	0.02	200.9	0.001	<20	0.18	<0.001	0.09	0.06	0.6	0.20	0.08	39	1.6	0.05	0.5
2698746	Rock		23	0.03	0.031	5.1	4.8	0.01	2822.3	0.001	<20	0.34	0.002	0.14	<0.05	1.2	0.42	0.15	95	0.8	0.10	0.8
REP 2698746	QC																					
2698750	Rock		24	0.03	0.059	15.7	5.8	0.03	3102.6	0.002	<20	0.35	0.002	0.19	<0.05	2.0	0.12	0.13	77	1.4	0.07	1.2
REP 2698750	QC																					
Core Reject Duplicates																						
2698749	Rock		23	0.03	0.055	11.1	5.7	0.03	2274.2	0.002	<20	0.30	0.002	0.19	<0.05	1.1	0.27	0.20	96	2.0	0.09	1.0
DUP 2698749	QC		23	0.03	0.060	11.5	6.3	0.03	2189.5	0.002	<20	0.33	0.002	0.19	<0.05	1.1	0.27	0.19	100	2.0	0.07	0.9
Reference Materials																						
STD DS10	Standard		44	1.09	0.088	16.4	60.5	0.79	442.1	0.086	<20	1.05	0.070	0.35	2.83	3.0	5.38	0.30	270	2.4	5.03	4.4
STD GS311-1	Standard																					
STD GS910-4	Standard																					
STD OREAS45EA	Standard		299	0.03	0.031	7.1	826.0	0.10	151.2	0.103	<20	3.11	0.019	0.05	<0.05	78.6	<0.02	0.04	16	0.7	0.07	12.1
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD SO-18	Standard																					
STD GS311-1 Expected																						
STD GS910-4 Expected																						
STD DS10 Expected			43	1.0625	0.073	17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	2.8	5.1	0.29	300	2.3	5.01	4.3
STD OREAS45EA Expected			303	0.036	0.029	6.57	849	0.095	148	0.0875		3.13	0.02	0.053		78	0.072	0.036	10	0.63	0.07	11.7
STD SO-18 Expected																						
BLK	Blank																					
BLK	Blank		<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.05	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank																					
BLK	Blank																					

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Project: AKIE
Report Date: August 08, 2014

QUALITY CONTROL REPORT VAN14002293.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates																	
REP G1	QC																
2698741	Rock	0.49	<0.1	0.07	<0.02	4.4	<0.1	<0.05	3.2	1.19	6.9	<0.02	15	0.1	1.3	<10	<2
REP 2698741	QC	0.51	<0.1	0.07	<0.02	4.4	0.1	<0.05	3.4	1.21	7.1	<0.02	23	0.1	1.3	<10	<2
2698746	Rock	1.42	<0.1	0.13	<0.02	7.7	0.1	<0.05	5.6	3.55	12.2	<0.02	11	0.2	1.6	<10	3
REP 2698746	QC																
2698750	Rock	1.84	<0.1	0.10	0.03	11.2	0.2	<0.05	5.6	2.32	29.7	<0.02	7	0.2	2.2	<10	<2
REP 2698750	QC																
Core Reject Duplicates																	
2698749	Rock	1.50	<0.1	0.09	0.03	10.3	0.2	<0.05	4.5	1.77	22.9	<0.02	11	0.2	2.0	<10	3
DUP 2698749	QC	1.56	<0.1	0.11	0.03	10.5	0.1	<0.05	4.6	1.82	23.8	<0.02	7	0.3	1.8	<10	<2
Reference Materials																	
STD DS10	Standard	2.73	<0.1	0.07	1.40	30.7	1.5	<0.05	2.7	7.91	34.6	0.24	53	0.6	21.7	115	189
STD GS311-1	Standard																
STD GS910-4	Standard																
STD OREAS45EA	Standard	0.74	0.3	0.84	0.16	7.7	1.0	<0.05	27.4	5.29	16.4	0.09	<1	0.3	2.5	53	105
STD SO-18	Standard																
STD SO-18	Standard																
STD SO-18	Standard																
STD SO-18	Standard																
STD GS311-1 Expected																	
STD GS910-4 Expected																	
STD DS10 Expected		2.63	0.08	0.06	1	27.7	1.6		2.8	7.77	37	0.23	50	0.63	19.4	110	191
STD OREAS45EA Expected		0.63	0.26	0.57	0.06	7.04	0.83		20	5.09	17.7	0.08		0.41	2.37	66	108
STD SO-18 Expected																	
BLK	Blank																
BLK	Blank	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	2
BLK	Blank																
BLK	Blank																

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Report Date: August 08, 2014

QUALITY CONTROL REPORT VAN14002293.1

		WGHT Wgt kg 0.01	LF300 SiO2 % 0.01	LF300 Al2O3 % 0.01	LF300 Fe2O3 % 0.04	LF300 MgO % 0.01	LF300 CaO % 0.01	LF300 Na2O % 0.01	LF300 K2O % 0.01	LF300 TiO2 % 0.01	LF300 P2O5 % 0.01	LF300 MnO % 0.01	LF300 Cr2O3 % 0.002	LF300 Ba ppm 5	LF300 Ni ppm 20	LF300 Sr ppm 2	LF300 Zr ppm 5	LF300 Y ppm 3	LF300 Nb ppm 5	LF300 Sc ppm 1	LF300 LOI % -5.1
Prep Wash																					
G1	Prep Blank		67.25	15.65	3.59	1.18	3.42	3.54	3.55	0.39	0.17	0.10	0.003	1009	<20	725	139	16	21	6	0.8
G1	Prep Blank																				
G1	Prep Blank		67.76	15.34	3.50	1.17	3.37	3.46	3.61	0.40	0.17	0.10	0.002	1016	<20	703	146	18	22	6	0.7

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		LF300 Sum % 0.01	TC000 TOT/C % 0.02	TC000 TOT/S % 0.02	AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.05	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02
Prep Wash																					
G1	Prep Blank	99.87	<0.02	<0.02	0.07	1.92	2.78	46.5	76	3.9	4.3	585	1.94	0.3	1.41	1.7	4.9	54.8	0.02	0.15	0.04
G1	Prep Blank		<0.02	<0.02	0.08	1.97	2.86	50.7	20	4.2	4.8	599	1.98	0.4	1.36	1.7	4.9	53.2	0.02	0.24	0.04
G1	Prep Blank	99.81																			

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QUALITY CONTROL REPORT VAN14002293.1

		AQ250 V ppm 2	AQ250 Ca % 0.01	AQ250 P % 0.001	AQ250 La ppm 0.5	AQ250 Cr ppm 0.5	AQ250 Mg % 0.01	AQ250 Ba ppm 0.5	AQ250 Ti % 0.001	AQ250 B ppm 20	AQ250 Al % 0.01	AQ250 Na % 0.001	AQ250 K % 0.01	AQ250 W ppm 0.05	AQ250 Sc ppm 0.1	AQ250 Tl ppm 0.02	AQ250 S % 0.02	AQ250 Hg ppb 5	AQ250 Se ppm 0.1	AQ250 Te ppm 0.02	AQ250 Ga ppm 0.1
Prep Wash																					
G1	Prep Blank	36	0.42	0.084	8.3	8.0	0.58	223.8	0.139	<20	0.95	0.076	0.51	0.06	2.5	0.28	<0.02	<5	<0.1	<0.02	5.1
G1	Prep Blank	37	0.43	0.094	8.9	7.8	0.61	240.1	0.148	<20	0.95	0.069	0.52	0.07	2.4	0.33	<0.02	<5	<0.1	<0.02	4.9
G1	Prep Blank																				

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		AQ250 Cs ppm 0.02	AQ250 Ge ppm 0.1	AQ250 Hf ppm 0.02	AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2
Prep Wash																	
G1	Prep Blank	2.54	0.2	0.12	0.30	42.0	0.4	<0.05	1.8	5.42	16.2	0.03	<1	0.3	31.7	<10	<2
G1	Prep Blank	2.76	0.1	0.14	0.33	45.6	0.4	<0.05	1.8	5.58	18.6	<0.02	<1	0.2	30.6	<10	2
G1	Prep Blank																

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Submitted By: Nicholas Johnson
Receiving Lab: Canada-Vancouver
Received: July 17, 2014
Report Date: August 04, 2014
Page: 1 of 9

CERTIFICATE OF ANALYSIS VAN14002294.1

CLIENT JOB INFORMATION

Project:	AKIE
Shipment ID:	CZX 10 July 2014
P.O. Number	YUEN NORTH
Number of Samples:	222

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	222	Dry at 60C			VAN
SS80	222	Dry at 60C sieve 100g to -80 mesh			VAN
AQ250_EXT	222	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
LF300	222	LiBO2/LiB4O7 fusion ICP-ES analysis	0.2	Completed	VAN
DRPLP	222	Warehouse handling / disposition of pulps			VAN

ADDITIONAL COMMENTS

Invoice To: Canada Zinc Metals Corp.
Suite 2050 - 1055 W. Georgia St.
PO Box 11121, Royal Centre
Vancouver BC V6E 3P3
CANADA

CC: Ken MacDonald

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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: AKIE
Report Date: August 04, 2014

CERTIFICATE OF ANALYSIS VAN14002294.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.05	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2698501	Soil	19.15	32.21	38.14	204.7	971	34.7	4.6	214	1.97	17.7	2.67	1.3	3.3	68.0	2.00	3.88	0.32	53	0.12	0.074
2698502	Soil	30.21	35.18	50.13	208.8	1220	43.3	3.2	91	2.42	33.4	3.62	1.0	2.3	74.3	1.06	5.15	0.40	63	0.07	0.132
2698503	Soil	103.05	31.40	48.03	100.1	1776	22.8	2.4	72	3.37	35.1	5.72	0.7	0.9	59.4	1.54	10.89	0.46	148	0.08	0.223
2698504	Soil	179.11	78.15	35.40	434.4	5127	82.9	5.3	366	3.62	86.1	10.53	0.5	0.9	146.8	6.29	31.84	0.30	216	1.59	0.369
2698505	Soil	14.82	200.38	40.23	490.2	1268	87.9	6.0	108	2.30	15.1	7.78	0.8	3.7	73.7	8.20	3.71	0.27	49	0.44	0.089
2698506	Soil	275.62	257.07	90.48	1733.2	1508	676.1	27.5	520	4.06	50.1	28.87	2.3	5.2	45.7	39.00	31.55	0.24	247	0.39	0.123
2698507	Soil	26.11	38.49	67.10	425.6	783	71.5	7.2	230	2.12	22.2	4.83	1.7	1.9	67.7	2.56	4.67	0.23	58	0.96	0.115
2698508	Soil	37.09	27.07	82.34	45.7	505	10.7	0.5	6	1.43	21.4	8.15	0.9	2.3	37.1	0.57	4.39	0.18	84	0.01	0.035
2698509	Soil	67.35	34.63	83.15	102.9	948	25.0	2.0	91	3.22	62.0	7.60	1.0	1.8	183.2	0.55	11.51	0.21	129	0.03	0.145
2698510	Soil	27.31	37.50	32.21	239.1	1470	56.9	2.4	79	2.92	29.6	3.29	2.8	2.5	124.0	3.41	6.86	0.35	108	0.20	0.104
2698511	Soil	69.99	122.68	38.27	540.9	1212	128.6	18.6	345	5.26	35.7	11.18	0.3	6.2	54.6	5.19	8.43	0.28	121	0.13	0.109
2698512	Soil	29.41	35.07	21.97	239.1	2866	36.1	5.0	38	2.78	16.0	1.69	0.9	2.2	19.4	0.48	1.96	0.29	131	0.02	0.101
2698513	Soil	54.16	40.75	28.39	194.5	530	30.9	3.5	36	2.83	26.6	2.75	1.3	0.8	24.3	0.54	2.46	0.33	132	0.03	0.101
2698514	Soil	55.36	78.03	44.57	573.8	1532	100.0	12.3	302	2.77	38.9	10.66	1.2	3.4	58.5	7.99	10.97	0.25	136	0.31	0.136
2698515	Soil	38.01	35.47	16.46	183.1	1181	36.1	3.1	65	1.61	12.8	2.84	1.1	0.4	23.7	0.89	3.13	0.17	150	0.06	0.094
2698516	Soil	36.62	30.05	31.56	150.8	1216	22.4	2.3	29	2.07	19.9	2.23	1.3	1.4	111.3	0.50	3.67	0.31	116	0.02	0.109
2698517	Soil	61.18	82.50	24.89	606.3	1410	138.9	6.7	190	3.04	49.0	8.36	1.4	2.2	109.1	3.82	17.89	0.26	340	0.30	0.245
2698518	Soil	9.35	13.25	23.16	80.4	776	11.7	1.7	21	0.95	7.6	1.27	0.4	0.1	14.6	0.14	0.97	0.12	44	0.02	0.092
2698519	Soil	29.23	33.44	94.99	280.7	647	47.8	4.2	25	2.53	28.9	2.33	0.6	0.9	43.2	0.47	4.76	0.24	97	0.03	0.108
2698520	Soil	88.99	59.96	64.05	259.4	2042	62.3	4.8	172	6.82	79.8	6.88	1.4	4.5	150.3	1.68	17.32	0.37	208	0.03	0.196
2698521	Soil	53.19	29.51	50.11	98.9	1419	16.3	1.1	19	3.50	39.7	3.61	1.2	0.8	106.7	0.69	8.53	0.37	122	0.02	0.159
2698522	Soil	32.58	70.49	30.34	287.7	666	70.1	13.3	193	6.81	23.4	2.64	1.1	4.0	78.8	0.56	1.40	0.24	89	0.02	0.130
2698523	Soil	20.75	32.08	24.76	156.0	1080	21.4	3.7	25	3.61	18.8	1.50	1.7	2.8	114.0	0.38	6.39	0.31	67	0.01	0.108
2698524	Soil	47.63	67.48	34.80	465.0	908	92.9	16.5	322	3.04	31.2	7.24	0.9	2.0	50.2	5.30	8.33	0.25	117	0.23	0.133
2698525	Soil	26.33	28.50	20.20	232.0	471	57.3	4.6	65	1.89	19.1	2.40	1.6	1.1	31.6	0.83	2.95	0.22	61	0.04	0.084
2698526	Soil	12.81	10.75	14.31	226.4	294	37.4	4.7	119	1.51	8.4	2.28	4.9	0.4	12.0	1.78	0.91	0.15	42	0.04	0.114
2698527	Soil	21.02	28.20	26.84	999.0	393	98.5	9.9	1092	2.62	15.9	4.45	2.2	0.9	39.4	15.71	1.95	0.29	87	0.31	0.199
2698528	Soil	8.09	16.72	17.37	130.5	134	25.3	6.5	1494	1.49	3.6	0.75	0.4	<0.1	6.9	1.13	1.00	0.14	30	0.05	0.127
2698529	Soil	35.51	18.86	21.67	159.5	211	47.5	6.6	1502	1.41	11.7	3.60	1.1	0.4	26.1	2.61	1.75	0.16	54	0.27	0.161
2698530	Soil	42.96	21.55	14.31	115.1	330	32.4	2.3	76	1.32	15.9	3.62	0.9	<0.1	28.9	0.66	2.72	0.20	105	0.59	0.108

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Project: AKIE
Report Date: August 04, 2014

CERTIFICATE OF ANALYSIS VAN14002294.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.05	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
2698501	Soil	31.2	6.2	0.02	1398.8	<0.001	<20	0.27	0.002	0.14	<0.05	1.9	0.98	0.23	205	3.1	0.07	0.9	1.11	<0.1	<0.02
2698502	Soil	24.8	8.0	0.02	884.4	0.001	<20	0.28	0.002	0.15	0.06	2.2	1.16	0.25	105	5.1	0.16	1.0	1.73	<0.1	<0.02
2698503	Soil	18.8	9.2	0.03	923.4	0.002	<20	0.33	0.004	0.19	0.16	1.3	1.29	0.43	200	15.4	0.21	1.4	1.33	<0.1	0.02
2698504	Soil	16.7	19.0	0.75	1912.1	0.003	<20	0.48	0.007	0.18	0.22	2.2	2.29	0.29	340	35.6	0.34	1.2	1.81	<0.1	0.03
2698505	Soil	27.8	9.0	0.08	616.3	0.002	<20	0.50	0.002	0.16	0.07	5.3	1.03	0.26	161	4.2	0.12	1.1	2.08	<0.1	0.10
2698506	Soil	47.1	15.8	0.07	309.1	0.001	<20	1.00	0.002	0.11	0.42	7.5	3.38	0.08	725	19.9	0.81	1.2	1.37	0.1	0.20
2698507	Soil	16.0	7.6	0.15	1101.5	0.001	<20	0.34	0.002	0.11	<0.05	3.1	2.42	0.25	201	3.2	0.08	1.0	0.50	<0.1	0.10
2698508	Soil	22.7	4.7	0.02	940.8	0.002	<20	0.38	0.001	0.15	<0.05	1.7	2.96	0.29	129	3.7	0.07	0.9	0.71	<0.1	<0.02
2698509	Soil	20.6	7.2	0.02	499.2	0.002	<20	0.44	0.003	0.15	0.12	2.1	3.35	0.46	195	10.6	0.16	1.3	1.09	<0.1	0.02
2698510	Soil	21.7	15.5	0.05	202.0	0.002	<20	0.40	0.004	0.30	0.07	2.0	2.05	0.67	234	7.2	0.17	1.9	1.24	<0.1	0.02
2698511	Soil	26.1	14.2	0.08	719.1	0.001	<20	0.64	0.003	0.14	0.06	6.0	1.25	0.16	189	9.4	0.15	1.3	2.20	<0.1	0.04
2698512	Soil	29.2	14.7	0.07	625.0	0.002	<20	1.07	<0.001	0.12	0.06	2.1	0.57	0.03	41	4.2	0.12	4.3	2.76	<0.1	0.04
2698513	Soil	28.7	10.8	0.04	457.0	0.003	<20	0.61	0.001	0.09	0.09	1.0	1.14	0.07	47	3.3	0.14	2.9	2.17	<0.1	<0.02
2698514	Soil	28.4	11.1	0.04	1181.1	0.001	<20	0.34	0.002	0.13	0.09	2.9	1.47	0.14	220	12.4	0.19	1.0	1.81	<0.1	<0.02
2698515	Soil	27.4	21.4	0.06	513.3	0.002	<20	0.55	0.003	0.10	0.07	0.7	0.61	0.07	83	3.3	0.10	3.1	1.73	<0.1	<0.02
2698516	Soil	21.1	15.1	0.06	1158.0	0.003	<20	0.63	0.004	0.21	0.14	1.4	1.79	0.41	60	4.3	0.14	3.4	1.82	<0.1	<0.02
2698517	Soil	25.1	21.4	0.07	2338.0	0.004	<20	0.63	0.005	0.22	0.14	3.2	1.56	0.36	185	12.0	0.25	1.9	1.22	<0.1	0.03
2698518	Soil	14.2	7.7	0.06	278.2	0.001	<20	0.48	<0.001	0.08	0.05	0.3	0.76	0.06	58	1.2	0.04	2.1	0.91	<0.1	<0.02
2698519	Soil	22.2	8.0	0.04	439.7	0.003	<20	0.52	<0.001	0.07	0.08	1.0	1.42	0.06	53	5.3	0.12	2.1	1.10	<0.1	<0.02
2698520	Soil	16.6	16.8	0.03	67.7	0.004	<20	1.39	0.013	0.48	0.32	4.0	5.68	1.42	387	15.0	0.24	2.7	1.88	<0.1	0.09
2698521	Soil	21.4	11.9	0.03	149.8	0.003	<20	0.48	0.009	0.33	0.36	0.9	3.55	0.90	198	7.6	0.20	2.2	1.69	<0.1	<0.02
2698522	Soil	17.4	21.4	0.10	538.7	0.002	<20	1.23	0.010	0.13	<0.05	2.8	1.04	0.26	94	3.2	0.11	3.2	2.96	<0.1	0.08
2698523	Soil	21.5	9.6	0.03	718.6	0.001	<20	0.48	0.038	0.18	<0.05	1.6	0.71	0.48	48	13.6	0.12	2.4	2.30	<0.1	0.02
2698524	Soil	21.5	10.7	0.05	927.4	0.001	<20	0.36	0.002	0.14	0.08	2.4	1.06	0.17	161	9.7	0.17	1.1	1.94	<0.1	0.03
2698525	Soil	21.1	7.8	0.04	366.8	0.002	<20	0.37	0.001	0.09	0.09	1.3	0.91	0.08	111	1.6	0.09	1.1	0.77	<0.1	<0.02
2698526	Soil	16.2	9.0	0.06	309.6	0.002	<20	0.51	0.001	0.08	0.05	0.7	0.52	0.04	41	0.7	0.05	1.7	1.34	<0.1	<0.02
2698527	Soil	20.2	17.7	0.10	719.5	0.004	<20	0.99	<0.001	0.10	0.11	3.1	1.76	0.12	195	2.1	0.07	2.4	3.22	<0.1	0.04
2698528	Soil	14.2	9.7	0.04	295.3	0.001	<20	0.45	0.001	0.08	<0.05	0.3	0.22	0.06	25	0.6	0.03	1.7	1.36	<0.1	<0.02
2698529	Soil	13.0	21.6	0.06	475.2	0.003	<20	0.33	0.002	0.10	0.18	0.8	2.47	0.12	38	1.3	0.08	1.2	1.46	<0.1	0.03
2698530	Soil	17.9	22.4	0.09	484.3	0.003	<20	0.36	0.002	0.09	0.30	0.5	0.66	0.08	59	1.6	0.17	1.8	1.06	<0.1	<0.02

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Ba
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	5
2698501	Soil	0.04	8.9	0.3	<0.05	1.8	10.70	58.2	0.05	6	0.2	1.2	<10	<2	10871
2698502	Soil	0.06	11.6	0.4	<0.05	0.6	8.94	42.8	0.04	19	0.3	0.6	<10	<2	6541
2698503	Soil	0.03	12.7	0.4	<0.05	1.2	7.76	30.8	0.03	42	0.2	1.3	<10	4	5366
2698504	Soil	0.03	10.3	1.5	<0.05	0.8	12.24	24.2	0.06	36	0.3	1.2	<10	9	7422
2698505	Soil	0.06	11.9	0.3	<0.05	3.0	84.44	48.6	0.06	4	1.7	3.4	<10	2	4198
2698506	Soil	0.07	5.7	0.8	<0.05	16.3	56.70	61.9	0.02	121	0.9	1.6	<10	6	3525
2698507	Soil	0.05	7.1	0.3	<0.05	4.1	14.64	28.1	0.03	4	0.8	2.3	<10	<2	4819
2698508	Soil	0.06	9.9	0.2	<0.05	0.6	6.89	35.8	0.02	8	0.4	1.1	<10	2	5318
2698509	Soil	0.06	11.6	0.3	<0.05	0.7	6.53	34.5	0.04	7	0.2	1.1	<10	<2	6929
2698510	Soil	0.07	18.9	0.6	<0.05	1.2	8.60	36.3	0.06	6	0.4	2.9	<10	3	6429
2698511	Soil	0.07	9.7	0.3	<0.05	2.5	23.91	44.7	0.06	25	0.6	3.3	<10	3	3572
2698512	Soil	0.27	17.6	0.8	<0.05	1.0	4.11	50.1	0.03	3	0.3	2.0	<10	<2	4741
2698513	Soil	0.12	14.5	0.6	<0.05	0.4	5.07	48.6	0.02	3	0.4	1.3	<10	<2	3966
2698514	Soil	0.19	8.6	1.5	<0.05	0.8	17.63	44.8	0.03	64	0.5	1.2	<10	3	4994
2698515	Soil	0.12	9.5	1.4	<0.05	0.3	4.91	41.7	<0.02	6	0.3	1.6	<10	3	2362
2698516	Soil	0.12	13.8	1.0	<0.05	0.5	4.93	35.5	0.03	6	0.2	2.4	<10	<2	4465
2698517	Soil	0.25	13.5	0.5	<0.05	0.9	21.91	35.5	0.04	16	0.5	3.8	<10	5	7398
2698518	Soil	0.05	9.7	0.3	<0.05	<0.1	2.14	24.4	<0.02	2	0.2	2.3	<10	<2	1698
2698519	Soil	0.09	8.8	0.4	<0.05	1.0	5.32	37.0	0.04	8	0.4	1.3	<10	<2	3663
2698520	Soil	0.16	24.2	1.2	<0.05	3.6	8.32	30.2	0.13	10	0.1	3.4	<10	2	21619
2698521	Soil	0.08	18.0	1.4	<0.05	0.3	4.25	36.7	0.07	5	0.3	1.8	<10	3	8400
2698522	Soil	0.15	14.5	0.6	<0.05	2.9	8.05	31.7	0.05	6	0.4	4.4	<10	2	3620
2698523	Soil	0.06	18.6	0.5	<0.05	0.6	3.56	38.6	0.06	<1	0.1	1.9	<10	<2	7197
2698524	Soil	0.11	8.9	0.3	<0.05	0.8	13.35	34.5	0.03	52	0.3	2.0	<10	<2	4891
2698525	Soil	0.06	7.2	0.2	<0.05	0.7	6.89	36.2	0.02	8	0.3	2.0	<10	<2	1938
2698526	Soil	0.05	10.4	0.3	<0.05	0.3	4.89	27.3	0.02	2	0.6	3.6	<10	<2	1507
2698527	Soil	0.14	13.0	0.4	<0.05	1.3	23.72	35.7	0.04	3	0.8	5.3	<10	<2	2563
2698528	Soil	0.02	11.4	1.0	<0.05	<0.1	2.18	23.7	<0.02	<1	0.3	1.2	<10	2	1219
2698529	Soil	0.14	12.5	2.4	<0.05	1.0	4.19	23.5	<0.02	3	0.3	1.3	<10	<2	1875
2698530	Soil	0.12	9.4	1.9	<0.05	0.1	3.20	29.0	<0.02	2	0.4	1.0	<10	<2	1858

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.05	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2698531	Soil	41.98	40.81	13.83	488.5	183	95.8	7.5	199	2.04	26.4	4.89	1.2	0.3	8.5	2.77	5.43	0.17	141	0.30	0.089
2698532	Soil	60.83	21.43	60.79	153.4	355	30.7	2.9	50	2.10	23.7	2.65	1.1	0.3	45.3	0.59	2.22	0.31	154	0.02	0.097
2698533	Soil	44.69	106.71	28.69	364.4	473	70.8	7.0	138	4.71	33.8	6.33	1.4	0.5	29.3	1.13	3.65	0.26	230	0.06	0.130
2698534	Soil	61.97	59.01	32.51	761.5	1062	131.7	9.7	131	2.68	48.7	6.31	2.7	1.0	42.0	7.93	18.54	0.30	141	0.10	0.099
2698535	Soil	79.88	29.59	38.13	652.1	1004	91.5	2.3	52	2.21	35.4	3.09	2.0	3.6	21.7	10.64	10.89	0.30	58	0.13	0.040
2698536	Soil	97.74	100.39	50.30	647.7	2116	140.8	10.5	303	4.12	69.9	14.36	4.3	4.6	63.3	13.67	12.10	0.48	202	0.43	0.136
2698537	Soil	20.13	19.17	8.76	133.5	2084	21.2	1.8	23	0.87	9.3	1.41	0.6	0.5	7.4	0.56	3.74	0.14	142	0.03	0.046
2698538	Soil	22.29	40.80	22.61	467.8	708	94.0	12.7	115	3.09	27.0	1.19	0.2	0.4	24.7	0.35	1.39	0.21	155	0.01	0.094
2698539	Soil	77.94	21.53	67.72	238.7	342	28.4	2.3	34	1.94	30.2	3.07	0.8	0.4	14.0	0.27	2.94	0.28	223	0.03	0.076
2698540	Soil	47.97	22.52	25.73	198.9	273	57.6	4.2	73	2.05	28.7	4.54	0.7	1.0	37.1	0.82	2.31	0.25	104	0.03	0.095
2698541	Soil	47.38	40.31	49.52	246.2	709	54.3	3.6	38	2.90	30.3	3.22	0.3	2.8	68.4	0.99	3.80	0.33	186	0.01	0.093
2698542	Soil	27.74	28.78	25.46	290.8	626	78.4	9.2	295	2.11	26.4	2.14	1.0	1.1	28.0	1.11	3.98	0.33	46	0.46	0.156
2698543	Soil	6.97	11.52	6.80	65.8	241	14.6	2.9	32	0.89	3.0	0.61	<0.2	<0.1	4.0	0.26	0.43	0.10	41	0.01	0.065
2698544	Soil	23.30	56.86	22.84	216.3	795	60.0	5.8	56	2.52	40.0	3.53	1.8	0.6	28.8	0.55	1.24	0.31	61	0.07	0.135
2698545	Soil	7.72	21.43	15.45	121.2	188	32.0	6.2	369	1.68	5.3	0.94	0.4	0.1	8.2	0.35	0.83	0.16	32	0.04	0.096
2698546	Soil	4.44	23.30	16.65	166.7	128	30.5	10.7	834	1.66	3.6	0.86	0.8	<0.1	11.7	1.77	0.90	0.18	20	0.32	0.176
2698547	Soil	7.48	21.20	23.68	155.2	558	25.0	20.7	5596	1.55	3.8	0.66	<0.2	<0.1	8.2	1.24	0.87	0.21	34	0.10	0.127
2698548	Soil	4.91	21.38	12.70	133.2	144	30.0	7.3	717	1.66	3.3	0.66	<0.2	<0.1	7.8	1.02	0.99	0.15	20	0.20	0.134
2698549	Soil	27.29	27.37	14.80	163.1	113	52.5	6.7	156	2.29	11.8	1.90	<0.2	0.5	13.2	0.97	2.92	0.17	33	0.27	0.115
2698550	Soil	7.12	38.47	18.78	230.4	873	58.1	10.0	365	2.29	5.4	1.54	0.6	1.4	32.5	2.02	2.10	0.19	23	1.08	0.197
2698551	Soil	11.56	40.89	19.25	296.0	139	55.9	7.0	101	2.39	10.9	1.26	0.4	0.1	11.1	0.38	2.03	0.26	37	0.12	0.082
2698552	Soil	11.12	24.26	13.63	187.5	126	52.0	5.8	145	1.78	5.8	0.75	0.4	0.1	5.3	0.42	1.52	0.17	32	0.02	0.061
2698553	Soil	15.69	65.95	12.75	489.7	1219	139.2	8.7	161	2.09	17.5	5.72	1.5	0.4	47.4	3.14	4.50	0.19	104	0.71	0.253
2698554	Soil	7.82	15.58	10.51	109.6	166	26.6	3.7	55	1.14	5.5	0.66	<0.2	<0.1	7.0	0.43	0.84	0.11	30	0.04	0.085
2698555	Soil	22.79	28.29	15.37	212.5	184	56.6	5.7	50	1.72	19.5	1.66	0.3	<0.1	17.9	0.43	1.82	0.19	74	0.04	0.101
2698556	Soil	41.72	49.18	15.06	565.5	483	116.5	11.7	459	2.20	18.6	3.68	0.5	1.4	18.5	5.87	5.71	0.15	72	0.80	0.100
2698557	Soil	28.53	24.78	9.37	142.1	174	51.5	4.3	120	1.14	13.1	1.86	<0.2	0.4	15.9	0.99	1.35	0.13	56	0.23	0.064
2698558	Soil	19.04	17.15	32.81	111.8	242	22.7	1.7	45	1.03	17.9	2.18	1.1	0.1	21.3	0.69	1.35	0.24	62	0.13	0.064
2698559	Soil	4.33	22.03	32.61	271.1	84	33.3	7.7	368	1.77	5.4	0.65	<0.2	0.5	5.8	1.05	1.64	0.14	24	0.15	0.083
2698560	Soil	5.90	25.64	46.57	272.5	190	43.7	9.7	403	2.79	7.0	0.90	<0.2	0.8	6.5	2.36	1.64	0.16	26	0.14	0.069

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Project: AKIE
Report Date: August 04, 2014

CERTIFICATE OF ANALYSIS VAN14002294.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.05	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
2698531	Soil	20.7	11.0	0.07	299.4	0.003	<20	0.41	<0.001	0.07	0.10	0.9	0.80	0.04	48	2.0	0.08	1.4	0.35	<0.1	<0.02
2698532	Soil	28.8	11.8	0.04	299.3	0.004	<20	0.50	0.002	0.10	0.24	0.6	1.95	0.10	27	2.3	0.18	3.4	1.98	<0.1	<0.02
2698533	Soil	19.5	13.4	0.04	406.4	0.004	<20	0.94	<0.001	0.09	0.16	1.1	1.27	0.10	45	4.0	0.14	2.8	1.50	<0.1	<0.02
2698534	Soil	31.2	9.6	0.05	1488.2	0.001	<20	0.37	0.001	0.14	0.08	1.8	1.85	0.11	148	9.3	0.19	1.1	1.45	<0.1	<0.02
2698535	Soil	39.2	5.2	0.03	599.6	<0.001	<20	0.22	0.001	0.10	<0.05	1.1	0.91	0.02	150	6.0	0.15	0.8	1.05	<0.1	0.06
2698536	Soil	29.5	13.7	0.06	860.1	0.002	<20	0.37	0.003	0.16	0.22	3.8	4.21	0.19	357	16.5	0.35	1.1	1.79	<0.1	0.07
2698537	Soil	33.4	8.7	0.03	436.9	0.004	<20	0.39	0.001	0.06	0.11	0.8	0.63	0.03	42	1.1	0.10	2.4	1.65	<0.1	<0.02
2698538	Soil	19.2	11.8	0.04	257.2	0.005	<20	0.56	<0.001	0.05	0.10	0.8	0.56	0.04	25	1.2	0.14	4.1	1.17	<0.1	<0.02
2698539	Soil	42.1	21.4	0.04	264.6	0.004	<20	0.62	0.002	0.07	0.44	0.8	0.95	0.03	22	1.7	0.27	5.2	2.44	<0.1	<0.02
2698540	Soil	21.8	10.0	0.04	312.0	0.002	<20	0.43	0.001	0.10	0.28	0.9	1.80	0.08	55	1.6	0.14	1.9	1.49	<0.1	<0.02
2698541	Soil	26.3	10.6	0.04	714.4	0.001	<20	0.64	0.007	0.16	0.08	1.6	1.13	0.26	34	4.7	0.14	2.8	2.78	<0.1	<0.02
2698542	Soil	19.6	12.7	0.08	336.4	0.003	<20	0.34	0.002	0.13	0.08	1.8	1.32	0.11	85	2.5	0.12	0.9	0.85	<0.1	0.04
2698543	Soil	18.4	10.4	0.06	170.5	0.002	<20	0.57	<0.001	0.07	<0.05	0.3	0.41	<0.02	18	0.2	0.04	3.4	1.32	<0.1	<0.02
2698544	Soil	19.1	12.5	0.05	439.1	0.002	<20	0.47	0.001	0.07	0.09	0.6	0.99	0.07	89	1.3	0.11	1.7	0.75	<0.1	<0.02
2698545	Soil	15.2	12.9	0.06	164.7	0.002	<20	0.54	0.002	0.09	<0.05	0.4	0.24	0.04	24	0.5	<0.02	2.4	1.09	<0.1	<0.02
2698546	Soil	10.8	12.1	0.09	244.7	0.002	<20	0.36	0.002	0.12	<0.05	0.3	0.14	0.10	32	0.4	0.03	1.7	1.39	<0.1	<0.02
2698547	Soil	14.0	11.3	0.05	891.5	0.002	<20	0.47	0.002	0.11	<0.05	0.3	0.52	0.07	25	0.6	0.04	2.3	2.58	<0.1	<0.02
2698548	Soil	12.3	11.8	0.07	207.3	0.002	<20	0.29	0.002	0.11	<0.05	0.4	0.16	0.08	21	0.6	<0.02	1.4	1.26	<0.1	<0.02
2698549	Soil	15.3	4.7	0.07	171.2	0.002	<20	0.23	0.002	0.06	<0.05	1.1	0.40	0.04	36	1.1	0.03	0.9	0.40	<0.1	<0.02
2698550	Soil	18.2	7.4	0.14	212.9	0.002	<20	0.28	0.002	0.08	<0.05	4.1	0.16	0.12	98	2.4	0.09	0.7	0.46	<0.1	0.11
2698551	Soil	18.2	10.0	0.05	137.0	0.006	<20	0.38	0.001	0.07	<0.05	0.6	0.26	0.04	17	0.8	0.06	2.1	0.90	<0.1	<0.02
2698552	Soil	19.0	24.2	0.04	95.9	0.004	<20	0.37	<0.001	0.08	<0.05	0.6	0.22	0.02	18	0.7	0.07	1.8	0.71	<0.1	<0.02
2698553	Soil	21.5	30.6	0.14	356.1	0.003	<20	0.61	0.002	0.10	0.11	1.3	0.68	0.07	206	5.1	0.12	1.6	0.86	<0.1	0.02
2698554	Soil	14.2	9.5	0.04	117.1	0.001	<20	0.42	0.001	0.07	<0.05	0.3	0.23	0.03	20	0.5	0.04	2.0	0.61	<0.1	<0.02
2698555	Soil	17.0	10.8	0.04	220.8	0.002	<20	0.41	0.001	0.08	0.09	0.4	0.62	0.05	30	1.5	0.10	2.7	1.05	<0.1	<0.02
2698556	Soil	17.4	7.9	0.15	449.0	0.002	<20	0.22	0.002	0.06	0.08	5.0	0.67	0.06	176	1.8	0.08	0.6	0.63	<0.1	0.11
2698557	Soil	16.3	6.9	0.04	322.6	0.003	<20	0.20	0.001	0.07	0.21	0.8	0.68	0.04	31	0.9	0.10	1.2	0.66	<0.1	<0.02
2698558	Soil	20.6	11.1	0.05	336.6	0.004	<20	0.33	<0.001	0.10	0.13	0.4	1.36	0.04	25	1.1	0.14	2.4	0.88	<0.1	<0.02
2698559	Soil	14.8	7.5	0.08	287.1	0.003	<20	0.33	<0.001	0.12	<0.05	1.2	0.13	0.03	23	0.8	0.04	1.2	0.69	<0.1	0.02
2698560	Soil	15.8	10.5	0.12	939.7	0.004	<20	0.59	<0.001	0.11	<0.05	2.2	0.18	0.03	18	1.0	0.04	1.8	1.03	<0.1	<0.02

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Ba
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	5
2698531	Soil	0.09	5.4	0.4	<0.05	0.4	14.79	33.8	0.03	2	0.4	3.0	<10	2	1419
2698532	Soil	0.09	12.0	0.9	<0.05	<0.1	4.19	46.4	<0.02	2	0.2	1.4	<10	<2	2022
2698533	Soil	0.18	10.4	0.4	<0.05	0.3	6.67	31.3	0.05	3	0.5	1.4	<10	<2	2484
2698534	Soil	0.12	9.2	0.3	<0.05	0.5	12.72	45.5	0.03	20	0.5	1.9	<10	3	4958
2698535	Soil	<0.02	7.5	0.3	<0.05	3.6	4.29	61.5	<0.02	26	0.2	1.0	<10	3	3833
2698536	Soil	0.23	9.6	0.8	<0.05	3.2	18.43	47.0	0.05	41	0.7	1.6	<10	4	3730
2698537	Soil	0.09	7.6	0.9	<0.05	0.1	3.24	52.1	<0.02	5	0.1	1.1	<10	<2	5118
2698538	Soil	0.15	6.4	0.7	<0.05	<0.1	4.49	32.7	<0.02	3	<0.1	1.2	<10	<2	1948
2698539	Soil	0.12	9.8	1.8	<0.05	0.2	4.85	64.9	<0.02	4	0.3	1.7	<10	<2	1712
2698540	Soil	0.08	9.7	0.5	<0.05	0.6	5.56	36.4	<0.02	6	0.4	1.7	<10	<2	1992
2698541	Soil	0.09	12.7	0.5	<0.05	0.6	4.55	40.9	0.03	12	0.4	1.7	<10	<2	3716
2698542	Soil	0.11	7.8	0.4	<0.05	1.3	12.64	35.3	0.03	5	0.4	3.5	<10	<2	1844
2698543	Soil	0.04	8.5	0.7	<0.05	<0.1	1.87	30.5	<0.02	<1	0.2	1.7	<10	<2	1018
2698544	Soil	0.06	8.2	0.6	<0.05	0.5	7.14	34.5	0.04	8	0.5	1.8	<10	<2	1594
2698545	Soil	0.06	10.2	1.5	<0.05	<0.1	2.88	27.3	<0.02	<1	0.3	1.9	<10	<2	1024
2698546	Soil	0.06	10.0	0.7	<0.05	<0.1	2.84	20.2	0.02	<1	0.5	1.3	<10	<2	1066
2698547	Soil	0.03	15.5	0.7	<0.05	<0.1	1.96	26.5	<0.02	<1	0.2	1.5	<10	<2	1780
2698548	Soil	0.07	8.9	1.1	<0.05	<0.1	2.38	21.5	<0.02	<1	0.2	1.4	<10	<2	1130
2698549	Soil	0.06	5.9	0.2	<0.05	0.4	7.88	28.5	0.02	1	0.5	1.5	<10	<2	1249
2698550	Soil	0.09	5.9	0.4	<0.05	4.0	21.42	31.2	0.03	2	0.7	1.3	<10	<2	1421
2698551	Soil	0.12	10.2	0.8	<0.05	<0.1	3.90	32.3	<0.02	<1	0.4	1.2	<10	<2	1110
2698552	Soil	0.05	9.5	1.8	<0.05	<0.1	3.08	33.7	<0.02	<1	0.2	1.0	<10	<2	1032
2698553	Soil	0.07	11.8	0.5	<0.05	0.7	26.01	32.9	0.03	3	0.9	11.3	<10	4	1670
2698554	Soil	<0.02	8.2	0.5	<0.05	<0.1	1.98	24.1	<0.02	<1	0.1	1.0	<10	2	1033
2698555	Soil	0.03	9.4	0.7	<0.05	<0.1	3.75	27.7	<0.02	3	0.4	1.2	<10	2	1414
2698556	Soil	0.08	5.0	0.2	<0.05	4.0	35.67	26.8	<0.02	<1	0.5	2.0	<10	2	1619
2698557	Soil	0.07	4.4	0.4	<0.05	0.3	3.40	26.6	<0.02	6	0.2	1.0	<10	2	1681
2698558	Soil	0.13	10.5	0.6	<0.05	<0.1	3.80	31.5	<0.02	5	0.2	1.7	<10	<2	1817
2698559	Soil	0.07	9.5	0.2	<0.05	0.6	3.66	26.4	0.02	<1	0.5	2.3	<10	2	1366
2698560	Soil	0.16	10.9	1.1	<0.05	0.6	6.31	31.4	0.03	<1	0.5	3.5	<10	<2	2055

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.05	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2698561	Soil	10.73	20.16	28.78	309.1	75	40.5	7.6	153	1.62	9.0	0.81	0.3	0.1	8.0	1.11	2.38	0.20	26	0.24	0.105
2698562	Soil	3.58	14.46	26.12	169.6	306	23.1	7.1	980	1.22	4.3	0.54	<0.2	0.5	23.6	2.04	1.49	0.09	13	1.75	0.145
2698563	Soil	9.66	12.99	26.72	28.4	621	41.1	10.6	402	2.20	6.8	0.87	0.7	1.7	24.5	0.25	2.21	0.18	12	1.84	0.085
2698564	Soil	15.25	15.62	36.49	222.7	363	52.4	7.0	84	2.04	11.5	1.17	0.6	0.6	25.3	0.32	3.22	0.21	39	0.05	0.121
2698565	Soil	23.77	55.90	22.71	404.0	1014	78.1	5.4	149	1.85	13.9	9.98	1.0	0.9	83.1	10.27	5.75	0.18	93	1.79	0.135
2698566	Soil	30.07	52.59	27.54	477.2	1036	93.8	7.2	234	2.08	13.6	4.85	0.9	1.7	96.5	9.41	6.20	0.21	50	0.80	0.099
2698567	Soil	45.65	55.25	29.05	346.3	1301	78.7	4.2	150	2.08	19.4	6.14	0.9	1.5	119.3	6.14	7.00	0.27	87	0.48	0.096
2698568	Soil	26.62	35.86	60.23	63.7	1804	11.0	1.0	20	6.40	52.2	1.36	1.0	5.1	156.5	0.28	4.06	0.50	74	0.01	0.162
2698569	Soil	19.28	74.19	42.63	567.2	819	104.1	9.9	85	3.96	34.4	2.61	1.2	<0.1	157.5	0.65	3.69	0.32	55	0.07	0.243
2698570	Soil	13.35	26.53	38.16	144.2	595	24.7	3.1	44	1.96	13.3	1.28	0.5	<0.1	103.2	0.33	2.65	0.31	60	0.04	0.132
2698571	Soil	10.74	28.10	32.58	154.3	447	31.0	3.6	32	1.67	17.7	1.37	0.5	0.3	87.6	0.24	2.00	0.24	58	0.03	0.108
2698572	Soil	14.91	34.32	21.97	63.2	653	13.2	1.1	21	0.98	11.3	2.71	1.0	0.3	64.3	0.16	3.02	0.25	63	0.03	0.063
2698573	Soil	10.39	30.77	18.13	23.6	553	4.7	0.4	7	0.57	4.4	4.32	3.2	1.0	53.4	0.10	3.47	0.26	44	0.01	0.035
2698574	Soil	4.79	19.02	22.64	15.3	501	2.4	0.2	12	0.57	4.1	1.72	1.6	1.9	64.8	0.05	1.79	0.24	17	0.01	0.038
2698575	Soil	10.97	30.43	25.73	57.2	647	13.4	1.9	28	2.10	21.2	1.63	1.1	0.9	85.0	0.16	2.21	0.28	48	0.04	0.132
2698576	Soil	9.45	24.36	30.17	97.4	467	25.0	4.1	22	1.90	16.4	1.79	1.5	1.7	69.0	0.06	2.00	0.27	20	0.01	0.072
2698577	Soil	14.95	55.28	22.65	354.6	571	68.2	7.2	63	1.47	19.5	4.54	2.9	1.9	88.5	1.47	3.39	0.31	48	0.07	0.101
2698578	Soil	7.01	17.03	16.80	165.4	85	30.5	9.0	496	1.70	5.0	0.83	0.6	0.2	8.2	1.14	1.31	0.15	22	0.19	0.164
2698579	Soil	5.66	16.75	11.22	139.2	72	26.0	4.9	324	1.41	3.6	0.69	0.8	<0.1	4.3	0.34	0.93	0.14	26	0.02	0.119
2698580	Soil	22.42	25.55	22.25	219.6	305	51.5	5.3	85	2.60	23.0	2.46	1.0	0.2	109.6	0.42	2.24	0.27	64	0.03	0.125
2698581	Soil	26.84	40.81	19.55	415.3	266	104.5	8.0	186	2.38	25.3	3.53	0.9	0.1	52.7	2.63	3.81	0.25	99	0.06	0.158
2698582	Soil	32.30	32.09	24.87	182.2	663	42.7	4.6	89	2.33	23.8	2.75	1.5	0.1	38.2	0.40	3.46	0.28	85	0.03	0.104
2698583	Soil	21.33	24.11	24.38	119.4	538	20.6	2.3	46	1.13	10.4	1.24	0.5	<0.1	37.0	0.16	1.93	0.27	93	0.04	0.060
2698584	Soil	31.30	104.37	26.96	683.2	1651	140.3	15.5	88	3.57	68.7	3.87	1.6	1.1	19.4	1.13	4.55	0.44	140	0.03	0.110
2698585	Soil	10.75	12.53	5.55	58.8	764	10.1	1.3	19	0.48	3.3	0.90	0.8	0.2	13.6	0.37	0.47	0.09	43	0.02	0.066
2698586	Soil	84.51	43.82	14.92	150.4	1397	26.9	1.5	37	3.30	24.7	4.61	1.9	0.9	39.5	0.39	7.98	0.31	295	0.02	0.114
2698587	Soil	128.59	18.35	25.16	21.0	932	7.2	0.3	24	1.63	33.5	3.39	1.7	0.4	15.7	0.19	11.46	0.49	148	0.05	0.060
2698588	Soil	23.19	11.80	10.14	43.5	1283	9.4	0.7	12	0.56	6.8	1.72	0.8	0.4	7.8	0.25	1.75	0.17	101	0.04	0.045
2698589	Soil	43.44	34.02	28.83	249.3	1076	41.0	3.8	151	2.27	17.5	3.89	1.4	0.1	91.8	1.57	5.09	0.28	92	0.12	0.135
2698590	Soil	21.45	24.31	29.77	124.3	746	21.2	2.4	28	1.69	14.4	1.37	1.2	0.2	38.6	0.38	2.44	0.29	98	0.01	0.099

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Project: AKIE
Report Date: August 04, 2014

CERTIFICATE OF ANALYSIS VAN14002294.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.05	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
2698561	Soil	16.1	9.0	0.11	637.6	0.003	<20	0.43	0.001	0.11	<0.05	0.7	0.18	0.04	17	0.7	0.03	1.6	1.12	<0.1	<0.02
2698562	Soil	13.3	7.5	0.16	329.8	0.002	<20	0.35	0.003	0.09	<0.05	1.3	0.23	0.12	60	0.8	0.03	0.8	0.68	<0.1	0.06
2698563	Soil	12.7	5.5	0.82	139.2	0.001	<20	0.26	0.003	0.09	<0.05	4.6	0.25	0.04	71	0.8	0.04	0.6	0.58	<0.1	0.09
2698564	Soil	15.7	7.9	0.04	350.3	0.001	<20	0.38	<0.001	0.10	<0.05	0.6	0.52	0.10	21	1.9	0.07	1.4	0.62	<0.1	<0.02
2698565	Soil	13.7	9.0	0.23	1009.6	0.002	<20	0.42	0.003	0.11	0.06	2.0	0.63	0.26	211	3.8	0.06	1.2	0.32	<0.1	0.08
2698566	Soil	16.3	6.0	0.09	641.3	0.001	<20	0.28	0.009	0.13	0.06	2.9	0.56	0.21	168	4.3	0.08	0.7	0.33	<0.1	0.10
2698567	Soil	18.1	6.4	0.07	748.6	0.001	<20	0.35	0.013	0.15	0.05	2.1	0.71	0.27	182	6.5	0.18	1.2	0.30	<0.1	0.09
2698568	Soil	9.1	12.3	0.01	54.9	0.004	<20	0.24	0.012	0.74	<0.05	1.4	2.84	1.98	132	5.9	0.37	2.5	1.84	<0.1	<0.02
2698569	Soil	10.3	9.1	0.02	1509.9	0.001	<20	0.38	0.005	0.15	<0.05	0.3	0.91	0.35	58	5.3	0.17	1.5	1.90	<0.1	<0.02
2698570	Soil	10.5	10.2	0.03	1136.1	0.002	<20	0.41	0.004	0.13	<0.05	0.3	0.72	0.27	38	4.6	0.16	2.8	1.70	<0.1	<0.02
2698571	Soil	9.5	7.7	0.03	1150.1	0.003	<20	0.42	0.002	0.10	0.07	0.7	0.69	0.20	21	2.8	0.13	2.2	1.75	<0.1	<0.02
2698572	Soil	14.4	6.8	0.02	585.9	0.004	<20	0.36	0.001	0.07	0.15	0.5	0.90	0.14	65	3.1	0.12	1.8	1.09	<0.1	<0.02
2698573	Soil	15.6	4.8	0.01	302.8	0.002	<20	0.20	0.001	0.09	0.11	0.6	1.18	0.15	107	1.8	0.13	0.9	1.16	<0.1	<0.02
2698574	Soil	12.1	3.5	<0.01	1821.6	0.001	<20	0.20	0.002	0.08	<0.05	0.7	0.52	0.16	59	1.9	0.07	0.7	2.71	<0.1	<0.02
2698575	Soil	9.6	9.5	0.05	903.4	0.003	<20	0.49	0.002	0.16	0.05	0.8	0.77	0.35	49	3.1	0.12	2.1	1.45	<0.1	<0.02
2698576	Soil	2.8	5.3	0.01	493.4	<0.001	<20	0.28	0.003	0.10	<0.05	1.1	0.65	0.20	52	1.0	0.11	0.8	5.52	<0.1	<0.02
2698577	Soil	17.0	12.1	0.03	904.1	0.001	<20	0.47	0.001	0.07	0.08	2.2	1.18	0.11	123	3.8	0.12	1.0	1.51	<0.1	0.05
2698578	Soil	13.3	6.7	0.06	185.6	0.002	<20	0.34	0.002	0.08	0.05	0.8	0.15	0.05	17	0.6	0.04	1.1	0.57	<0.1	<0.02
2698579	Soil	12.4	6.8	0.04	150.7	0.001	<20	0.45	0.002	0.07	<0.05	0.3	0.15	0.05	23	0.5	0.03	1.7	0.76	<0.1	<0.02
2698580	Soil	17.7	10.7	0.06	373.6	0.004	<20	0.47	0.002	0.11	0.10	0.4	0.93	0.20	32	1.8	0.10	2.5	0.62	<0.1	<0.02
2698581	Soil	13.9	16.7	0.04	394.2	0.002	<20	0.40	0.002	0.12	0.12	0.4	1.04	0.15	38	3.4	0.13	2.0	0.53	<0.1	<0.02
2698582	Soil	16.7	9.1	0.04	365.4	0.004	<20	0.43	0.002	0.11	0.11	0.5	1.20	0.16	70	2.7	0.12	2.4	1.05	<0.1	<0.02
2698583	Soil	17.7	7.3	0.02	368.0	0.003	<20	0.26	0.001	0.08	0.11	0.4	0.61	0.10	20	1.9	0.09	2.5	1.02	<0.1	<0.02
2698584	Soil	24.5	17.5	0.06	1765.1	0.004	<20	1.10	0.001	0.10	0.16	0.9	1.63	0.18	92	6.1	0.17	4.8	0.88	<0.1	<0.02
2698585	Soil	19.0	9.3	0.02	296.4	0.002	<20	0.28	0.001	0.05	0.06	0.5	0.31	0.02	21	0.5	0.07	1.7	1.44	<0.1	<0.02
2698586	Soil	21.1	10.1	0.02	322.9	0.003	<20	0.41	0.002	0.07	0.26	0.8	0.79	0.09	96	6.7	0.44	2.0	0.85	<0.1	<0.02
2698587	Soil	39.0	5.5	0.02	421.6	0.002	<20	0.23	0.002	0.11	0.48	0.5	1.24	0.14	109	10.3	0.38	1.1	0.86	<0.1	<0.02
2698588	Soil	22.6	7.4	0.02	198.9	0.003	<20	0.25	<0.001	0.04	0.15	0.6	0.45	0.02	39	1.2	0.13	1.7	1.02	<0.1	<0.02
2698589	Soil	17.5	9.1	0.04	932.9	0.001	<20	0.38	0.021	0.16	0.06	0.4	0.95	0.38	30	5.8	0.19	1.6	0.73	<0.1	<0.02
2698590	Soil	17.9	13.1	0.03	856.7	0.003	<20	0.45	0.003	0.13	0.09	0.5	0.79	0.19	40	2.3	0.17	2.9	1.78	<0.1	<0.02

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Ba
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	5
2698561	Soil	0.09	11.0	0.7	<0.05	0.1	4.44	29.0	<0.02	<1	0.5	2.3	<10	<2	2095
2698562	Soil	0.10	6.2	0.5	<0.05	1.5	16.24	22.8	<0.02	<1	0.8	2.1	<10	2	1195
2698563	Soil	0.04	5.1	0.2	<0.05	3.4	17.71	24.4	<0.02	<1	0.9	1.7	<10	<2	2245
2698564	Soil	0.03	7.1	0.4	<0.05	0.4	3.18	27.0	<0.02	<1	0.4	1.1	<10	3	3881
2698565	Soil	0.22	6.3	0.3	<0.05	2.9	23.66	19.1	0.02	6	0.8	2.2	<10	3	3374
2698566	Soil	0.12	5.2	0.3	<0.05	3.5	18.26	27.9	0.03	4	0.6	1.5	<10	3	3069
2698567	Soil	0.06	6.2	0.4	<0.05	2.3	12.09	28.8	0.02	21	0.6	1.9	<10	3	3691
2698568	Soil	0.12	48.0	0.5	<0.05	1.3	3.65	24.3	0.04	3	0.2	2.1	<10	4	8794
2698569	Soil	0.04	14.6	0.3	<0.05	<0.1	9.87	22.4	0.05	2	0.5	0.8	<10	<2	7345
2698570	Soil	0.08	14.5	0.5	<0.05	0.1	2.98	21.2	0.02	<1	0.2	0.9	<10	<2	5222
2698571	Soil	0.11	12.1	0.4	<0.05	0.1	3.30	21.1	<0.02	2	0.2	1.2	<10	3	5411
2698572	Soil	0.10	8.6	0.3	<0.05	0.2	2.84	26.2	<0.02	6	0.2	0.7	<10	2	3219
2698573	Soil	0.06	6.9	0.2	<0.05	0.1	2.39	28.4	0.03	10	0.2	0.8	<10	3	2415
2698574	Soil	0.08	8.0	0.3	<0.05	0.1	1.95	26.7	<0.02	3	<0.1	0.7	<10	<2	20351
2698575	Soil	0.12	13.3	0.4	<0.05	0.3	2.80	22.5	0.02	3	0.2	1.9	<10	3	4668
2698576	Soil	0.03	12.1	0.1	<0.05	0.3	3.39	9.2	0.03	2	0.2	1.4	<10	<2	6797
2698577	Soil	0.07	7.6	0.3	<0.05	1.6	17.96	32.7	0.03	6	0.5	2.2	<10	2	6952
2698578	Soil	0.05	5.7	0.5	<0.05	0.2	5.76	26.7	0.03	<1	0.6	1.1	<10	2	1237
2698579	Soil	0.03	8.8	0.4	<0.05	<0.1	2.42	23.0	0.02	<1	0.6	1.0	<10	2	1097
2698580	Soil	0.10	10.2	0.5	<0.05	<0.1	4.63	30.2	0.03	3	0.4	2.0	<10	<2	1571
2698581	Soil	0.03	10.1	0.4	<0.05	<0.1	7.58	22.0	<0.02	1	0.7	2.8	<10	2	1511
2698582	Soil	0.09	9.6	0.4	<0.05	<0.1	3.76	27.6	<0.02	5	0.2	1.5	<10	3	2460
2698583	Soil	0.04	8.2	0.5	<0.05	<0.1	2.47	30.2	<0.02	2	0.2	0.7	<10	2	3179
2698584	Soil	0.41	11.2	1.4	<0.05	0.7	7.92	44.9	0.05	3	0.7	5.9	<10	3	12659
2698585	Soil	0.05	7.6	0.5	<0.05	<0.1	1.48	29.9	<0.02	3	0.2	0.8	<10	2	2185
2698586	Soil	0.10	6.9	0.4	<0.05	0.4	4.85	35.1	0.02	18	0.6	0.9	<10	4	2729
2698587	Soil	0.02	7.9	0.3	<0.05	<0.1	3.97	63.4	<0.02	17	0.3	1.2	<10	3	2742
2698588	Soil	0.07	5.7	0.5	<0.05	<0.1	2.46	37.3	<0.02	14	<0.1	0.6	<10	<2	1370
2698589	Soil	0.04	10.3	0.4	<0.05	<0.1	7.30	27.8	0.02	8	0.5	1.5	<10	<2	3593
2698590	Soil	0.13	12.2	1.1	<0.05	0.1	2.62	30.9	0.02	3	0.3	1.1	<10	2	4015

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.05	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2698591	Soil	50.90	25.19	44.53	157.7	2220	32.0	2.6	58	3.94	60.0	2.55	2.3	0.7	118.7	0.45	10.88	0.46	170	0.07	0.160
2698592	Soil	15.43	22.08	23.36	138.4	986	10.9	2.6	25	1.55	17.2	2.21	0.8	0.3	72.1	1.81	1.50	0.31	65	0.13	0.136
2698593	Soil	37.75	24.09	28.20	138.2	564	12.6	1.2	46	2.99	20.5	1.32	0.5	1.4	44.9	1.25	1.26	0.33	58	0.08	0.106
2698594	Soil	76.56	42.55	84.59	223.2	1189	28.4	2.6	100	4.13	63.5	4.82	1.0	0.1	80.6	2.46	5.92	0.29	139	0.08	0.227
2698595	Soil	147.09	86.10	132.46	1321.1	2186	294.9	50.4	1580	11.62	207.5	31.69	2.4	5.4	332.2	2.97	21.40	0.24	177	0.37	0.374
2698596	Soil	10.18	49.68	100.24	1232.1	970	69.5	6.4	488	2.05	5.2	4.88	1.6	0.3	39.9	20.15	1.97	0.35	66	1.02	0.417
2698597	Soil	5.18	123.86	297.88	1193.2	2159	88.8	5.3	100	2.82	9.0	6.96	3.5	1.0	165.0	39.02	3.36	1.11	59	1.48	0.753
2698598	Soil	17.58	32.27	35.08	70.3	1746	56.1	9.4	362	2.11	9.1	2.01	0.9	1.6	13.1	0.68	1.68	0.21	31	1.09	0.125
2698599	Soil	10.47	36.65	33.51	60.6	1723	46.6	8.5	274	1.94	7.5	1.52	1.1	1.8	10.9	0.33	1.33	0.20	24	0.72	0.092
2698600	Soil	1.84	29.04	27.55	87.4	1348	33.1	10.0	318	2.06	2.9	0.82	1.3	1.3	10.0	0.33	1.08	0.20	8	0.82	0.072
2698601	Soil	4.34	29.24	30.08	299.0	693	39.4	8.5	464	2.08	4.0	0.96	1.1	1.3	17.4	1.32	0.97	0.21	23	0.32	0.115
2698602	Soil	6.18	22.95	35.08	269.8	364	42.8	7.9	915	1.52	6.0	0.87	1.5	1.1	23.5	3.04	2.34	0.11	12	1.42	0.144
2698603	Soil	3.50	43.34	66.80	344.9	1324	59.9	15.8	903	3.84	6.6	1.64	0.8	4.6	9.6	1.83	1.58	0.23	25	0.27	0.099
2698604	Soil	4.58	29.10	42.20	324.3	728	42.5	8.4	235	2.09	4.6	1.55	0.5	3.2	10.1	1.21	1.26	0.18	21	0.43	0.081
2698605	Soil	6.17	29.72	44.09	387.2	684	41.3	7.8	282	2.06	5.0	2.10	1.0	2.1	14.8	1.55	1.59	0.17	22	0.91	0.113
2698606	Soil	8.74	28.04	46.57	275.8	688	27.9	4.2	181	2.31	7.5	2.17	1.3	2.3	34.8	1.40	1.46	0.26	30	1.21	0.130
2698607	Soil	19.58	31.09	98.80	290.5	459	27.2	4.0	165	2.11	11.3	3.02	0.8	1.5	47.1	1.75	2.38	0.22	80	0.12	0.131
2698608	Soil	18.08	47.64	54.31	250.9	532	38.2	4.2	86	1.75	17.5	3.45	0.8	1.0	105.2	1.22	3.45	0.25	89	0.08	0.111
2698609	Soil	11.39	31.60	42.54	107.1	624	17.8	1.5	22	1.07	9.8	2.70	1.6	0.9	68.9	0.76	1.90	0.22	56	0.12	0.111
2698610	Soil	100.84	65.23	55.84	171.3	1402	28.3	2.2	52	4.40	74.0	5.44	0.9	1.1	73.9	0.39	6.09	0.52	210	0.03	0.188
2698611	Soil	26.33	44.17	52.63	98.5	935	18.9	1.7	68	2.27	23.7	3.44	1.2	0.3	110.5	0.50	3.06	0.36	93	0.04	0.163
2698612	Soil	29.30	52.97	35.07	354.2	1402	58.6	13.0	285	6.58	46.3	4.62	1.5	3.4	281.1	0.86	5.87	0.40	50	0.11	0.262
2698613	Soil	7.96	16.47	13.90	152.6	209	26.3	2.5	184	0.95	7.9	3.02	0.8	<0.1	21.2	1.49	1.06	0.18	49	0.08	0.087
2698614	Soil	6.45	4.70	5.48	46.7	17	9.9	1.5	26	0.45	2.6	1.25	0.3	1.0	4.7	0.32	0.17	0.09	24	0.06	0.042
2698615	Soil	13.18	22.07	17.50	154.8	138	33.4	8.9	733	1.93	6.5	1.89	0.4	0.2	10.1	2.90	1.38	0.16	46	0.08	0.166
2698616	Soil	13.89	17.87	13.29	163.4	148	36.7	7.8	548	1.93	6.3	1.29	<0.2	0.2	7.4	2.39	1.27	0.14	27	0.14	0.099
2698617	Soil	13.56	38.44	31.59	235.7	791	32.3	2.9	45	3.35	24.1	2.56	1.3	2.3	104.8	0.39	2.95	0.30	50	0.04	0.122
2698618	Soil	45.85	29.83	29.52	1697.8	725	232.9	18.0	82	14.52	69.2	9.01	1.9	2.8	45.3	0.96	4.61	0.28	100	0.02	0.098
2698619	Soil	23.81	20.40	43.98	252.7	600	28.3	3.2	75	2.19	22.5	1.92	1.2	2.1	88.6	0.33	2.78	0.35	87	0.02	0.125
2698620	Soil	15.72	16.69	36.80	114.1	453	16.1	1.5	13	1.20	17.7	1.09	0.7	2.0	55.5	0.11	1.73	0.27	69	<0.01	0.064

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Project: AKIE
Report Date: August 04, 2014

CERTIFICATE OF ANALYSIS VAN14002294.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.05	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
2698591	Soil	16.5	13.3	0.03	173.1	0.008	<20	0.35	0.010	0.30	0.18	0.8	4.01	0.75	100	7.9	0.29	2.5	1.07	<0.1	<0.02
2698592	Soil	16.3	10.5	0.06	1400.3	0.001	<20	0.52	0.005	0.18	<0.05	0.4	0.49	0.21	17	4.9	0.14	3.0	0.61	<0.1	<0.02
2698593	Soil	21.9	10.7	0.05	605.3	0.002	<20	0.63	0.003	0.15	0.06	0.9	0.63	0.11	21	2.3	0.13	3.2	0.60	<0.1	<0.02
2698594	Soil	12.5	10.8	0.04	141.0	0.002	<20	0.54	0.013	0.35	0.08	0.4	5.24	0.91	39	8.9	0.22	2.5	1.31	<0.1	<0.02
2698595	Soil	11.8	9.9	0.04	66.7	0.004	<20	1.15	0.017	0.50	0.10	6.7	14.81	1.29	213	13.1	0.26	1.6	1.91	0.1	0.04
2698596	Soil	25.3	24.0	0.14	1043.9	0.005	<20	0.64	0.003	0.14	0.08	1.0	0.15	0.13	2176	4.9	0.12	2.5	1.01	<0.1	<0.02
2698597	Soil	35.9	28.6	0.12	1029.7	0.007	<20	0.66	0.004	0.30	0.11	1.4	0.36	0.30	4622	6.7	0.30	2.8	1.52	<0.1	0.04
2698598	Soil	17.7	10.1	0.28	288.1	0.003	<20	0.39	0.003	0.12	<0.05	4.5	0.22	0.11	203	2.5	0.07	1.0	1.31	<0.1	0.17
2698599	Soil	19.4	8.4	0.22	462.4	0.003	<20	0.38	0.001	0.09	<0.05	4.7	0.18	0.06	158	1.3	0.08	1.0	0.93	<0.1	0.14
2698600	Soil	18.7	5.9	0.19	202.8	0.002	<20	0.26	0.001	0.07	<0.05	4.8	0.12	0.06	144	1.1	0.09	0.7	0.68	<0.1	0.06
2698601	Soil	22.9	9.2	0.10	313.9	0.001	<20	0.35	0.001	0.07	<0.05	3.9	0.11	0.05	91	1.1	0.07	1.2	0.36	<0.1	0.04
2698602	Soil	19.4	21.9	0.23	303.6	0.002	<20	0.32	0.003	0.10	<0.05	2.2	0.17	0.12	97	1.3	<0.02	0.9	1.27	<0.1	0.12
2698603	Soil	28.2	20.7	0.44	640.3	0.005	<20	0.80	<0.001	0.15	<0.05	5.3	0.25	0.04	105	2.1	0.05	2.5	6.51	<0.1	0.06
2698604	Soil	27.6	13.9	0.26	435.1	0.004	<20	0.57	0.001	0.11	<0.05	4.6	0.19	0.03	105	1.2	0.03	1.8	2.84	<0.1	0.08
2698605	Soil	26.9	12.8	0.22	777.7	0.003	<20	0.59	0.001	0.11	<0.05	4.6	0.19	0.06	99	1.4	0.06	1.5	1.87	<0.1	0.14
2698606	Soil	19.4	11.1	0.22	1026.7	0.003	<20	0.54	0.002	0.11	<0.05	3.7	0.73	0.16	120	1.8	0.06	1.7	1.28	<0.1	0.15
2698607	Soil	17.3	11.4	0.06	986.4	0.002	<20	0.59	0.006	0.12	0.09	2.3	2.05	0.19	61	3.5	0.13	1.9	1.09	<0.1	0.07
2698608	Soil	17.5	12.8	0.03	1323.9	0.003	<20	0.49	0.002	0.11	0.10	1.5	1.83	0.18	75	3.9	0.12	1.9	1.52	<0.1	<0.02
2698609	Soil	12.7	9.2	0.03	1482.4	0.002	<20	0.40	0.002	0.10	0.07	1.1	1.54	0.16	85	2.4	0.07	1.5	1.74	<0.1	0.03
2698610	Soil	16.0	15.8	0.02	946.9	0.003	<20	0.38	0.006	0.23	0.26	1.0	2.99	0.61	160	13.9	0.37	2.5	1.78	<0.1	<0.02
2698611	Soil	12.9	16.2	0.03	420.7	0.002	<20	0.45	0.006	0.20	0.13	0.5	2.47	0.49	95	4.3	0.13	2.1	1.99	<0.1	<0.02
2698612	Soil	11.0	11.8	0.03	173.0	0.003	<20	0.49	0.009	0.25	0.09	1.6	2.47	0.70	107	5.1	0.14	1.4	4.29	<0.1	0.03
2698613	Soil	16.2	10.0	0.07	781.2	0.003	<20	0.42	0.002	0.08	0.06	0.3	0.55	0.05	61	0.8	0.04	1.8	0.87	<0.1	<0.02
2698614	Soil	18.3	5.6	0.06	192.5	0.002	<20	0.45	0.001	0.05	<0.05	0.7	0.42	<0.02	20	0.2	0.03	1.7	0.43	<0.1	0.03
2698615	Soil	18.9	11.8	0.09	578.3	0.003	<20	0.71	0.002	0.07	<0.05	0.7	0.35	0.06	32	0.9	0.05	2.5	0.86	<0.1	<0.02
2698616	Soil	14.8	6.2	0.05	378.9	0.002	<20	0.35	0.002	0.08	<0.05	0.7	0.24	0.04	21	0.6	0.02	1.1	0.21	<0.1	<0.02
2698617	Soil	7.9	8.2	0.02	1107.7	0.001	<20	0.42	0.002	0.12	<0.05	1.7	0.82	0.20	101	3.1	0.15	1.2	2.20	<0.1	<0.02
2698618	Soil	11.2	10.2	0.03	947.6	0.002	<20	0.66	0.002	0.08	0.13	2.7	1.18	0.13	113	4.4	0.12	2.1	1.95	0.1	0.04
2698619	Soil	19.1	9.8	0.03	1130.8	0.002	<20	0.39	0.003	0.13	0.13	1.0	1.35	0.21	85	2.8	0.14	1.8	1.61	<0.1	<0.02
2698620	Soil	19.7	7.9	0.02	1068.2	0.002	<20	0.30	0.002	0.11	0.08	0.8	0.88	0.13	41	1.5	0.12	1.8	1.90	<0.1	<0.02

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Project: AKIE
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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Ba
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	5
2698591	Soil	0.32	16.2	0.8	<0.05	0.3	4.27	26.9	0.06	10	0.4	2.0	<10	3	9878
2698592	Soil	0.13	13.0	0.5	<0.05	<0.1	1.86	28.8	0.04	3	0.4	1.3	<10	<2	7084
2698593	Soil	0.18	11.6	0.4	<0.05	0.5	2.57	37.0	0.02	2	0.4	1.5	<10	2	3811
2698594	Soil	0.06	19.1	0.7	<0.05	<0.1	4.63	21.0	0.06	3	0.2	2.0	<10	<2	6269
2698595	Soil	0.09	24.3	0.2	<0.05	2.8	16.38	22.5	0.13	10	0.4	4.4	<10	5	19164
2698596	Soil	0.15	11.7	2.5	<0.05	0.3	26.67	38.5	0.14	3	1.1	9.2	<10	3	2330
2698597	Soil	0.04	12.2	1.1	<0.05	0.4	30.28	40.0	0.15	1	1.3	9.2	<10	6	1673
2698598	Soil	0.10	7.9	0.4	<0.05	5.1	21.59	30.3	0.02	<1	1.1	6.5	<10	3	1486
2698599	Soil	0.16	6.7	0.2	<0.05	4.0	22.33	32.8	0.03	<1	1.2	4.0	<10	<2	1627
2698600	Soil	0.12	5.9	0.3	<0.05	2.4	14.99	35.6	0.02	<1	0.8	2.2	<10	3	1090
2698601	Soil	0.06	5.0	0.3	<0.05	1.1	15.02	41.7	0.04	<1	0.5	2.2	<10	3	1471
2698602	Soil	0.05	6.9	0.7	<0.05	3.3	26.11	32.6	<0.02	<1	0.7	2.5	<10	<2	1653
2698603	Soil	0.10	12.5	0.5	<0.05	2.8	21.31	54.2	0.04	<1	1.2	14.8	<10	2	2046
2698604	Soil	0.23	9.1	0.3	<0.05	3.4	20.77	44.2	0.04	<1	1.0	7.5	<10	2	2159
2698605	Soil	0.23	9.2	0.3	<0.05	4.5	26.16	35.5	0.03	<1	1.0	5.1	<10	<2	2526
2698606	Soil	0.25	9.6	0.2	<0.05	5.5	19.00	27.3	0.04	<1	0.8	4.4	<10	<2	3138
2698607	Soil	0.11	10.7	0.7	<0.05	2.3	11.90	30.6	0.02	2	0.6	2.4	<10	2	3791
2698608	Soil	0.13	10.5	0.6	<0.05	0.4	9.27	30.5	0.04	6	0.8	1.6	<10	<2	5171
2698609	Soil	0.10	10.0	0.9	<0.05	0.7	6.22	24.7	0.03	5	0.2	1.2	<10	<2	6014
2698610	Soil	0.11	16.4	0.7	<0.05	0.2	5.02	29.2	0.04	15	0.6	1.9	<10	3	4331
2698611	Soil	0.06	15.6	1.9	<0.05	0.2	5.15	24.0	0.05	8	0.4	1.7	<10	<2	9527
2698612	Soil	0.08	17.8	0.8	<0.05	0.9	7.25	26.9	0.05	5	0.2	2.1	<10	3	19810
2698613	Soil	0.07	9.8	0.5	<0.05	<0.1	5.65	27.9	<0.02	2	0.3	3.7	<10	<2	2918
2698614	Soil	0.12	7.3	0.2	<0.05	0.5	3.28	31.4	<0.02	<1	0.2	3.3	<10	<2	1397
2698615	Soil	0.08	8.2	0.6	<0.05	0.3	10.89	37.6	0.03	<1	0.8	4.3	<10	<2	1696
2698616	Soil	0.06	5.3	0.2	<0.05	0.2	6.75	25.8	0.03	2	0.5	2.3	<10	3	1463
2698617	Soil	0.04	10.3	1.0	<0.05	0.5	6.64	20.0	0.02	5	0.5	0.9	<10	2	8642
2698618	Soil	0.23	9.2	0.6	<0.05	1.6	41.58	23.0	0.03	4	1.1	1.3	<10	3	5980
2698619	Soil	0.14	11.4	0.5	<0.05	0.4	3.65	35.9	<0.02	3	0.3	1.7	<10	3	7015
2698620	Soil	0.10	10.8	0.4	<0.05	0.2	2.60	36.8	<0.02	3	0.1	1.4	<10	<2	7235

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Method		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.05	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2698621	Soil	12.06	17.25	24.42	188.8	584	23.7	3.5	33	1.54	12.2	1.80	1.6	1.5	50.4	0.74	2.76	0.18	37	0.13	0.135
2698622	Soil	11.48	21.93	33.68	193.4	498	24.1	4.0	79	2.77	15.7	2.20	0.7	3.3	77.0	0.51	2.33	0.25	37	0.09	0.096
2698623	Soil	4.46	38.87	48.35	328.9	707	51.9	10.0	379	2.88	7.6	1.13	1.1	5.7	15.0	1.72	1.92	0.21	16	0.63	0.090
2698624	Soil	3.17	36.54	42.89	305.8	673	46.6	12.5	368	3.26	6.4	1.22	1.0	4.3	11.7	1.01	1.64	0.22	24	0.25	0.093
2698625	Soil	9.86	32.88	41.32	162.2	697	45.1	10.7	366	2.18	6.5	1.11	1.2	2.3	20.6	1.05	1.62	0.20	14	1.43	0.089
2698626	Soil	3.92	49.30	75.00	57.9	1738	49.2	12.2	362	2.66	5.7	0.99	2.1	4.6	23.9	0.27	1.51	0.27	10	1.49	0.070
2698627	Soil	6.23	21.24	24.88	111.9	842	32.3	6.3	219	1.29	4.4	1.34	1.0	1.2	16.2	0.53	1.07	0.17	20	1.27	0.098
2698628	Soil	9.71	29.88	90.62	1417.1	1453	67.5	6.5	876	2.50	7.6	1.70	0.7	2.1	32.0	10.72	2.26	0.20	65	1.96	0.215
2698629	Soil	4.65	60.20	84.55	2484.1	1208	105.9	4.4	130	1.91	6.0	2.75	2.6	1.2	26.8	20.90	1.78	0.27	59	1.42	0.315
2698630	Soil	7.83	75.53	247.24	2002.7	1708	97.7	5.3	159	1.66	8.6	3.31	1.4	2.3	154.8	20.04	2.79	0.36	90	4.10	0.652
2698631	Soil	11.02	33.12	39.25	370.4	460	53.3	5.5	287	1.60	5.7	1.64	1.4	0.8	16.9	2.80	2.29	0.20	87	0.96	0.237
2698632	Soil	4.47	44.26	43.09	303.9	1366	69.4	15.5	537	3.20	3.2	1.31	1.5	4.6	13.6	0.74	0.84	0.23	17	0.27	0.089
2698633	Soil	3.06	29.95	45.92	197.5	306	31.0	11.0	346	2.74	2.6	0.79	1.3	<0.1	9.3	0.82	0.74	0.25	28	0.10	0.127
2698634	Soil	2.83	22.18	17.57	167.1	569	23.2	4.3	147	1.11	2.2	1.42	0.9	0.9	32.1	0.95	0.89	0.13	23	2.57	0.127
2698635	Soil	4.64	42.80	69.79	512.9	818	76.5	5.4	574	1.34	4.4	1.47	1.7	0.6	28.8	2.36	1.51	0.17	68	2.01	0.276
2698636	Soil	2.33	10.08	22.77	142.9	209	17.1	2.7	703	0.85	1.8	0.74	<0.2	0.2	40.2	1.04	0.54	0.17	19	3.59	0.137
2698637	Soil	23.01	55.39	89.76	1644.2	2475	104.2	7.0	443	2.25	13.4	2.32	0.8	2.3	48.8	14.51	3.56	0.22	100	4.38	0.161
2698638	Soil	36.37	64.44	116.61	1740.5	3173	115.0	8.3	332	2.46	16.9	2.87	1.0	1.9	38.8	13.95	6.33	0.27	228	2.51	0.134
2698639	Soil	11.72	32.83	31.60	274.8	271	57.8	4.9	54	1.87	6.6	1.70	1.3	0.2	11.5	0.65	1.73	0.22	88	0.21	0.160
2698640	Soil	4.83	28.18	58.07	326.7	203	46.6	3.2	78	1.39	4.4	1.68	0.7	0.2	10.9	2.57	1.02	0.23	55	0.28	0.176
2698641	Soil	8.75	56.55	46.95	1072.6	1175	99.1	7.1	252	2.05	8.6	2.87	1.8	1.5	58.5	9.54	2.40	0.26	84	3.76	0.400
2698642	Soil	7.06	21.28	38.44	309.2	945	41.7	6.3	186	1.84	6.0	1.41	0.5	1.3	14.9	1.92	1.49	0.19	37	0.60	0.134
2698643	Soil	4.95	14.84	30.55	107.3	293	18.7	3.6	254	1.46	8.8	0.90	0.8	1.2	19.3	0.33	0.86	0.21	74	0.08	0.094
2698644	Soil	10.10	25.45	44.20	272.2	1148	31.7	6.3	220	1.86	11.8	3.24	1.1	0.5	28.9	1.89	3.30	0.25	76	0.23	0.216
2698645	Soil	20.39	143.32	33.56	1968.9	1203	515.6	71.0	994	11.27	40.7	17.00	4.3	5.4	63.3	9.99	3.11	0.25	50	0.29	0.246
2698646	Soil	18.14	11.59	12.75	92.0	353	20.4	1.8	36	0.92	9.4	2.06	2.8	1.5	19.2	0.30	1.37	0.19	100	0.04	0.076
2698647	Soil	44.13	25.96	10.71	128.8	124	89.4	7.9	387	1.71	9.8	4.16	1.6	3.0	61.1	1.14	1.26	0.10	19	5.66	0.072
2698648	Soil	4.01	12.71	12.50	192.5	141	21.4	6.3	419	1.58	3.5	1.67	1.5	0.7	19.8	3.33	0.73	0.13	30	0.54	0.093
2698649	Soil	2.89	25.68	9.03	74.9	558	35.6	3.5	573	0.95	1.3	3.65	0.9	0.7	60.6	5.08	0.86	0.10	20	2.58	0.191
2698650	Soil	2.50	7.67	11.64	68.4	68	16.9	5.6	271	1.70	3.6	0.55	0.9	1.2	6.0	0.34	0.48	0.09	19	0.10	0.093

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Project: AKIE
Report Date: August 04, 2014

CERTIFICATE OF ANALYSIS VAN14002294.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.05	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
2698621	Soil	11.8	6.8	0.03	1520.5	0.002	<20	0.26	0.003	0.09	0.07	1.5	0.92	0.19	119	1.8	0.05	0.9	1.69	<0.1	0.08
2698622	Soil	12.8	8.5	0.03	1475.1	0.002	<20	0.27	0.003	0.15	<0.05	1.2	0.80	0.24	42	2.3	0.16	1.0	1.57	<0.1	<0.02
2698623	Soil	27.7	10.3	0.22	346.5	0.002	<20	0.32	0.002	0.14	<0.05	5.1	0.28	0.04	117	1.6	0.02	1.2	1.94	<0.1	0.08
2698624	Soil	24.7	16.8	0.30	323.9	0.003	<20	0.56	0.002	0.12	<0.05	4.9	0.26	0.05	94	2.1	0.04	2.0	3.32	<0.1	0.08
2698625	Soil	21.0	7.1	0.55	348.7	0.002	<20	0.30	0.003	0.09	<0.05	4.5	0.26	0.05	144	1.1	0.07	0.8	0.84	<0.1	0.06
2698626	Soil	26.2	7.3	0.71	411.3	<0.001	<20	0.22	0.002	0.10	<0.05	5.7	0.25	0.05	341	1.4	0.07	0.5	0.68	<0.1	0.06
2698627	Soil	14.4	6.4	0.26	410.6	0.002	<20	0.32	0.003	0.08	<0.05	2.8	0.14	0.11	191	1.0	0.04	0.8	0.84	<0.1	0.11
2698628	Soil	27.5	16.2	0.30	498.6	0.004	<20	0.49	0.002	0.15	0.09	4.1	0.20	0.06	604	1.7	0.06	1.4	0.68	<0.1	0.08
2698629	Soil	18.0	24.2	0.33	287.8	0.006	<20	0.60	0.003	0.20	0.08	3.8	0.21	0.08	859	2.9	0.09	1.8	1.12	<0.1	0.07
2698630	Soil	19.1	37.3	0.79	2696.1	0.004	<20	0.71	0.003	0.14	0.11	3.0	0.30	0.04	2600	4.0	0.15	2.4	0.61	<0.1	0.07
2698631	Soil	9.4	19.4	0.28	220.3	0.004	<20	0.49	0.002	0.19	0.07	2.6	0.14	0.11	178	2.8	0.10	1.5	0.79	<0.1	0.08
2698632	Soil	28.5	33.1	0.14	464.6	0.003	<20	0.39	0.002	0.18	<0.05	4.8	0.18	0.03	142	1.8	0.06	1.1	0.93	<0.1	0.05
2698633	Soil	17.1	16.5	0.09	362.4	0.005	<20	0.67	0.002	0.13	<0.05	0.6	0.13	0.07	47	0.8	0.06	2.8	1.20	<0.1	<0.02
2698634	Soil	7.9	8.1	0.41	309.8	0.004	<20	0.27	0.003	0.06	<0.05	2.0	0.08	0.18	139	1.4	0.03	0.8	0.70	<0.1	0.10
2698635	Soil	14.8	31.9	0.45	255.1	0.003	<20	0.49	0.003	0.15	0.09	1.8	0.16	0.15	225	2.2	0.05	1.4	0.85	<0.1	0.07
2698636	Soil	9.0	6.2	0.10	230.2	0.002	<20	0.26	0.003	0.06	<0.05	0.6	0.07	0.22	211	0.7	<0.02	0.7	0.20	<0.1	0.03
2698637	Soil	14.8	15.7	0.65	507.1	0.002	<20	0.34	0.002	0.13	0.19	3.4	0.37	0.04	794	3.7	0.14	1.2	0.84	<0.1	0.06
2698638	Soil	16.7	24.5	0.55	2043.8	0.004	<20	0.46	0.002	0.15	0.41	3.7	1.15	0.10	1110	3.6	0.16	1.9	0.88	<0.1	0.08
2698639	Soil	13.1	16.2	0.14	514.8	0.002	<20	0.50	<0.001	0.16	0.09	0.7	0.23	0.05	97	1.6	0.12	2.4	0.90	<0.1	<0.02
2698640	Soil	10.2	15.7	0.12	266.7	0.003	<20	0.49	0.001	0.09	0.07	0.9	0.19	0.04	206	1.1	0.10	2.5	0.60	<0.1	<0.02
2698641	Soil	15.1	23.6	1.95	486.6	0.005	<20	0.59	0.003	0.24	0.08	3.6	0.18	0.04	719	2.2	0.09	1.8	1.45	<0.1	0.04
2698642	Soil	15.5	10.2	0.13	589.5	0.003	<20	0.38	0.001	0.09	<0.05	3.8	0.16	0.04	269	1.2	0.09	1.0	0.68	<0.1	0.03
2698643	Soil	12.3	13.5	0.07	528.9	0.002	<20	0.74	<0.001	0.06	<0.05	1.5	0.39	0.04	41	0.5	0.06	2.9	0.96	<0.1	0.03
2698644	Soil	16.6	13.4	0.10	1641.0	0.004	<20	0.47	0.002	0.11	0.09	1.5	0.63	0.09	264	1.8	0.11	1.7	0.94	<0.1	<0.02
2698645	Soil	6.1	13.9	0.05	2007.0	0.001	<20	0.59	0.003	0.11	<0.05	7.3	1.16	0.13	225	3.2	0.10	1.2	3.23	0.1	0.08
2698646	Soil	23.4	11.6	0.06	450.3	0.002	<20	0.59	<0.001	0.10	0.08	1.4	1.37	0.05	82	1.4	0.08	3.2	1.94	<0.1	0.04
2698647	Soil	13.5	4.3	2.42	267.9	0.001	<20	0.13	0.003	0.05	0.06	3.8	0.83	0.04	151	1.1	0.02	0.4	0.47	<0.1	0.05
2698648	Soil	13.7	9.4	0.14	516.1	0.005	<20	0.51	0.002	0.10	<0.05	1.9	0.19	0.06	43	0.7	0.04	2.2	0.57	<0.1	0.03
2698649	Soil	16.8	10.1	0.41	648.7	0.004	<20	0.63	0.002	0.06	<0.05	3.3	0.14	0.19	205	2.4	<0.02	1.5	0.55	<0.1	0.05
2698650	Soil	14.1	7.6	0.08	216.6	0.002	<20	0.46	0.002	0.07	<0.05	1.6	0.12	0.02	47	0.4	<0.02	1.4	0.77	<0.1	<0.02

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Method		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Ba
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	5
2698621	Soil	0.10	8.4	1.0	<0.05	2.6	7.17	21.3	<0.02	2	0.2	1.0	<10	<2	7441
2698622	Soil	0.11	10.3	0.9	<0.05	0.5	4.27	26.9	0.02	5	0.3	1.6	<10	<2	9533
2698623	Soil	0.04	9.6	0.4	<0.05	3.8	19.70	49.7	0.03	2	0.7	3.0	<10	3	2164
2698624	Soil	0.08	9.6	0.4	<0.05	3.0	16.89	51.0	0.04	2	0.8	8.2	<10	3	1959
2698625	Soil	0.07	6.5	0.3	<0.05	2.3	21.31	40.0	0.02	3	0.9	3.0	<10	<2	1412
2698626	Soil	0.04	5.2	0.9	<0.05	2.5	18.61	48.4	0.02	<1	0.6	2.0	<10	2	2369
2698627	Soil	0.10	6.1	0.2	<0.05	4.2	12.73	26.2	0.03	<1	0.8	4.0	<10	3	1250
2698628	Soil	0.08	9.6	0.7	<0.05	2.3	21.44	41.6	0.05	<1	1.3	12.2	<10	3	2404
2698629	Soil	0.21	13.3	0.6	<0.05	1.8	16.93	22.6	0.03	2	1.3	13.9	<10	3	1202
2698630	Soil	0.03	6.9	1.5	<0.05	2.9	19.72	25.5	0.03	3	1.0	5.2	<10	4	2923
2698631	Soil	0.12	13.2	0.5	<0.05	1.8	7.74	14.4	0.03	3	1.0	12.9	<10	<2	921
2698632	Soil	0.06	10.7	11.1	<0.05	1.9	18.07	51.3	<0.02	1	0.8	4.5	<10	<2	1727
2698633	Soil	0.21	20.4	0.6	<0.05	0.1	4.41	31.8	0.02	1	0.6	3.7	<10	<2	1500
2698634	Soil	0.15	6.4	0.5	<0.05	3.5	10.16	13.6	<0.02	<1	0.6	3.9	<10	<2	754
2698635	Soil	0.08	10.1	1.4	<0.05	1.8	14.25	17.6	0.02	<1	1.8	12.0	<10	2	990
2698636	Soil	0.09	3.3	0.1	<0.05	0.8	6.52	14.4	<0.02	<1	0.4	3.3	<10	<2	563
2698637	Soil	0.07	7.0	0.5	<0.05	2.9	15.48	27.6	0.04	2	1.1	8.2	<10	5	1181
2698638	Soil	0.12	9.2	1.3	<0.05	2.9	16.90	27.8	0.04	4	0.9	11.5	<10	3	5471
2698639	Soil	0.03	12.2	0.5	<0.05	0.4	8.40	18.9	<0.02	3	0.8	10.5	<10	4	1484
2698640	Soil	0.04	7.8	0.7	<0.05	0.2	5.90	15.7	<0.02	2	0.5	7.8	<10	3	1112
2698641	Soil	0.07	14.0	0.3	<0.05	1.0	15.02	22.4	0.03	5	1.6	15.8	<10	5	1655
2698642	Soil	0.11	7.0	0.3	<0.05	1.0	13.43	27.0	0.03	<1	0.9	5.4	<10	3	2263
2698643	Soil	0.15	5.4	0.5	<0.05	0.7	3.47	24.5	<0.02	<1	0.3	3.0	<10	<2	4135
2698644	Soil	0.10	10.6	0.5	<0.05	0.7	10.96	30.0	0.03	5	0.7	8.1	<10	3	6186
2698645	Soil	0.05	8.6	0.4	<0.05	2.6	40.68	16.2	0.10	<1	1.4	3.3	<10	5	8251
2698646	Soil	0.20	8.8	1.2	<0.05	1.3	3.08	38.2	<0.02	2	0.1	3.1	<10	<2	2946
2698647	Soil	0.06	3.6	0.1	<0.05	3.4	16.73	25.4	<0.02	4	0.5	1.5	<10	<2	1139
2698648	Soil	0.48	10.8	0.5	<0.05	0.6	5.92	26.7	0.02	<1	0.4	5.7	<10	<2	1912
2698649	Soil	0.36	10.0	0.2	<0.05	2.3	25.96	22.4	<0.02	4	0.9	4.0	<10	4	1281
2698650	Soil	0.15	5.3	0.6	<0.05	0.3	5.89	30.2	0.02	1	0.5	4.5	<10	<2	1356

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.05	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2698651	Soil	0.27	2.93	0.78	49.4	79	7.6	0.6	75	0.05	<0.1	1.23	1.1	0.1	138.0	2.03	0.07	<0.02	<2	31.31	0.044
2698652	Soil	0.35	7.28	1.52	88.0	161	12.0	1.0	151	0.17	0.2	1.59	1.3	0.1	100.6	2.01	0.12	<0.02	4	20.58	0.073
2698653	Soil	2.92	17.66	9.43	229.6	458	27.2	4.2	377	1.09	2.6	1.49	1.4	0.4	35.3	3.56	0.74	0.09	23	2.31	0.108
2698654	Soil	8.09	22.73	12.29	175.4	498	34.3	4.4	180	1.31	7.2	1.33	1.7	0.6	24.7	1.98	1.22	0.09	38	0.32	0.079
2698655	Soil	15.86	27.48	29.83	180.9	839	33.5	2.9	47	2.46	22.3	1.56	1.5	1.3	78.6	0.17	3.16	0.24	53	0.04	0.122
2698656	Soil	11.06	29.43	17.48	127.0	490	36.4	3.1	24	1.10	12.5	0.85	1.0	0.5	14.6	0.22	2.08	0.13	51	0.05	0.063
2698657	Soil	11.31	14.24	53.89	79.2	940	12.7	1.2	12	1.09	10.5	0.78	1.9	2.9	82.4	0.19	0.98	0.26	44	0.02	0.084
2698658	Soil	13.01	21.22	30.10	143.8	231	24.3	2.9	15	1.09	12.1	1.12	1.1	0.8	28.4	0.35	1.04	0.20	66	0.03	0.066
2698659	Soil	7.55	8.44	30.36	291.4	400	18.5	2.6	66	1.28	8.1	0.94	0.8	2.7	37.4	2.01	0.89	0.19	31	0.13	0.066
2698660	Soil	8.20	26.61	47.29	1254.9	1176	50.4	3.7	363	1.38	6.6	1.97	2.2	0.9	23.9	12.55	1.84	0.08	75	1.45	0.114
2698661	Soil	11.66	22.22	93.74	1076.9	1562	47.2	4.1	200	1.55	9.6	2.31	1.3	1.1	22.0	12.41	2.39	0.10	85	1.22	0.119
2698662	Soil	9.75	29.12	33.11	692.2	988	58.0	5.0	379	1.34	6.4	2.40	<0.2	0.6	34.6	8.28	2.38	0.08	49	2.20	0.153
2698663	Soil	26.02	52.67	56.13	705.5	2404	100.7	7.8	409	2.00	15.3	4.03	1.4	1.7	37.6	6.70	5.26	0.16	380	1.45	0.142
2698664	Soil	7.27	14.31	41.69	284.4	100	30.2	3.1	64	1.19	4.3	0.74	1.3	1.7	12.3	0.55	0.83	0.13	65	0.18	0.062
2698665	Soil	7.76	32.86	52.79	322.2	378	52.7	4.5	38	1.84	5.9	0.66	1.7	<0.1	7.4	0.18	1.13	0.16	104	0.07	0.084
2698666	Soil	5.46	20.29	17.26	125.2	236	34.9	6.1	175	1.64	5.0	0.86	1.0	1.5	10.1	0.51	0.83	0.12	40	0.57	0.093
2698667	Soil	2.10	17.11	17.75	111.4	750	22.5	4.4	123	1.35	2.0	1.18	1.7	<0.1	8.8	0.45	0.56	0.11	33	0.25	0.202
2698668	Soil	2.58	47.68	32.13	322.8	1078	52.5	14.8	528	3.02	3.6	1.09	2.7	0.6	14.5	0.96	0.82	0.19	39	0.26	0.177
2698669	Soil	1.08	7.67	9.03	65.0	119	18.8	4.6	186	1.70	1.2	0.43	0.9	0.6	4.2	0.42	0.31	0.08	21	0.22	0.039
2698670	Soil	3.21	17.53	14.14	145.4	54	24.0	6.1	167	2.16	3.7	0.49	1.1	2.2	5.5	0.30	0.49	0.13	33	0.16	0.028
2698671	Soil	9.88	24.02	16.19	140.5	45	34.1	6.8	66	1.92	5.7	0.72	1.3	0.3	4.4	0.22	0.65	0.15	64	0.09	0.079
2698672	Soil	5.59	17.62	15.55	158.9	314	31.4	4.8	72	1.49	4.7	0.49	1.1	0.2	5.3	0.17	0.77	0.13	43	0.07	0.053
2698673	Soil	3.77	11.89	21.78	192.2	95	20.9	3.1	72	0.97	2.7	1.31	1.0	0.1	16.4	2.11	0.55	0.12	40	0.81	0.104
2698674	Soil	7.05	30.04	69.97	742.8	2460	71.9	7.8	640	2.49	11.7	2.84	2.3	1.0	34.6	5.04	3.09	0.18	107	1.87	0.153
2698675	Soil	19.52	37.80	50.47	698.5	740	66.2	8.4	411	2.03	12.8	3.43	3.3	0.8	29.4	9.39	2.42	0.16	132	0.69	0.096
2698676	Soil	36.09	51.51	56.03	549.6	1232	137.1	8.7	296	2.68	21.4	5.12	0.7	5.5	25.7	6.35	6.18	0.21	97	0.66	0.141
2698677	Soil	15.36	59.64	75.43	1061.4	1638	105.1	6.6	343	1.67	12.6	4.54	3.6	1.1	35.1	11.04	4.04	0.15	202	1.84	0.108
2698678	Soil	7.24	12.58	22.92	135.8	310	14.2	1.8	17	1.47	12.7	1.40	3.1	2.9	36.6	1.38	1.74	0.17	36	0.20	0.055
2698679	Soil	7.01	10.05	36.38	61.5	821	11.2	1.1	10	0.80	11.4	0.52	1.3	2.9	51.3	0.12	1.52	0.19	59	0.01	0.046
2698680	Soil	5.01	9.29	9.27	64.3	383	12.1	1.5	17	0.62	6.8	0.40	1.9	0.7	9.7	0.16	0.57	0.08	52	0.03	0.035

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Project: AKIE
Report Date: August 04, 2014

CERTIFICATE OF ANALYSIS VAN14002294.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.05	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
2698651	Soil	1.1	3.0	0.37	412.8	<0.001	<20	0.04	0.004	0.01	<0.05	1.0	0.16	0.17	39	2.5	<0.02	0.1	0.37	<0.1	<0.02
2698652	Soil	1.5	3.6	0.22	358.9	0.001	<20	0.11	0.004	0.02	<0.05	0.9	0.24	0.11	70	1.8	<0.02	0.3	0.57	<0.1	0.03
2698653	Soil	9.0	8.7	0.12	676.2	0.002	<20	0.46	0.002	0.05	<0.05	1.5	0.28	0.13	137	2.0	<0.02	1.1	0.55	<0.1	0.03
2698654	Soil	9.7	6.6	0.05	2966.5	0.002	<20	0.40	0.001	0.06	0.10	1.2	0.24	0.07	87	0.9	0.07	1.3	0.37	<0.1	0.03
2698655	Soil	12.2	7.0	0.03	1518.1	0.001	<20	0.33	0.004	0.13	0.07	1.2	1.02	0.23	68	2.8	0.12	1.3	1.26	<0.1	<0.02
2698656	Soil	16.8	11.0	0.02	1083.4	0.003	<20	0.30	0.002	0.07	0.11	0.8	0.23	0.06	49	0.9	0.12	1.6	1.97	<0.1	<0.02
2698657	Soil	28.6	9.7	0.03	1069.4	0.002	<20	0.41	0.004	0.15	0.05	1.0	1.15	0.23	33	1.3	0.09	2.7	1.39	<0.1	<0.02
2698658	Soil	22.8	12.6	0.03	1521.8	0.003	<20	0.49	0.002	0.10	0.08	0.9	0.41	0.11	31	1.0	0.09	3.1	1.67	<0.1	<0.02
2698659	Soil	14.3	7.8	0.06	968.0	0.002	<20	0.30	0.002	0.13	<0.05	1.8	0.56	0.15	110	1.2	0.07	1.2	1.17	<0.1	0.03
2698660	Soil	11.6	11.8	0.14	627.0	0.003	<20	0.40	0.002	0.07	0.08	2.5	0.17	0.08	760	1.7	0.06	1.2	0.43	<0.1	0.06
2698661	Soil	16.0	11.4	0.10	864.0	0.003	<20	0.32	0.001	0.07	0.26	3.0	0.25	0.07	816	1.5	0.11	1.3	0.40	<0.1	0.04
2698662	Soil	9.3	9.1	0.16	892.4	0.002	<20	0.25	0.003	0.06	0.20	1.6	0.33	0.12	512	2.0	0.03	0.7	0.44	<0.1	0.04
2698663	Soil	21.8	34.7	0.27	4744.3	0.007	<20	0.68	0.001	0.15	0.33	5.1	0.99	0.07	499	2.2	0.05	3.0	0.80	0.2	0.07
2698664	Soil	11.2	12.0	0.11	231.1	0.005	<20	0.47	<0.001	0.09	0.09	1.3	0.16	0.03	42	1.0	0.02	2.7	0.47	<0.1	<0.02
2698665	Soil	7.9	15.2	0.06	109.9	0.002	<20	0.46	<0.001	0.09	0.10	0.3	0.14	0.04	53	2.5	0.10	3.9	0.85	<0.1	<0.02
2698666	Soil	15.4	10.7	0.19	313.3	0.004	<20	0.53	0.001	0.12	<0.05	2.3	0.15	0.04	43	1.2	0.02	2.0	0.60	<0.1	0.07
2698667	Soil	10.0	14.9	0.17	222.4	0.002	<20	0.55	0.002	0.12	0.07	0.5	0.13	0.14	86	1.1	0.03	2.2	1.01	<0.1	<0.02
2698668	Soil	16.8	24.7	0.34	275.0	0.006	<20	0.92	0.004	0.21	<0.05	2.1	0.13	0.10	96	2.7	0.10	3.5	1.04	<0.1	<0.02
2698669	Soil	15.7	8.2	0.06	143.7	0.006	<20	0.36	0.002	0.07	<0.05	1.1	0.05	0.03	27	0.2	0.02	2.0	0.17	<0.1	<0.02
2698670	Soil	18.3	8.9	0.12	264.9	0.005	<20	0.54	<0.001	0.07	<0.05	1.6	0.09	<0.02	22	0.6	0.07	2.6	0.30	<0.1	0.02
2698671	Soil	16.6	12.0	0.12	169.9	0.003	<20	0.68	<0.001	0.08	0.05	0.8	0.17	<0.02	22	0.7	0.07	3.2	0.72	<0.1	<0.02
2698672	Soil	15.1	8.1	0.07	87.3	0.004	<20	0.34	<0.001	0.08	0.06	0.7	0.13	<0.02	16	0.8	0.05	2.3	0.41	<0.1	<0.02
2698673	Soil	11.0	11.5	0.11	260.8	0.004	<20	0.51	0.001	0.05	0.11	1.0	0.10	0.06	66	0.7	0.04	2.8	0.46	<0.1	<0.02
2698674	Soil	16.1	23.1	0.16	1616.5	0.005	<20	0.59	0.001	0.08	0.27	3.3	0.22	0.08	326	3.1	0.07	1.8	0.30	0.1	0.05
2698675	Soil	15.6	14.9	0.06	1260.4	0.004	<20	0.58	<0.001	0.07	0.31	2.3	0.62	0.08	327	2.1	0.11	2.0	0.38	<0.1	<0.02
2698676	Soil	28.5	9.1	0.03	1303.1	0.002	<20	0.33	<0.001	0.07	0.81	3.0	0.75	0.03	288	1.7	0.11	1.0	0.33	<0.1	0.10
2698677	Soil	16.3	21.1	0.20	2514.0	0.006	<20	0.46	0.001	0.08	0.27	3.8	0.38	0.08	733	2.1	0.08	1.7	0.42	<0.1	0.05
2698678	Soil	19.5	7.4	0.03	1584.1	0.002	<20	0.23	0.001	0.07	0.06	1.0	0.45	0.11	178	1.1	0.13	1.2	0.50	<0.1	0.03
2698679	Soil	17.7	9.4	0.02	1856.2	0.003	<20	0.31	0.001	0.08	<0.05	0.8	0.57	0.13	27	0.9	0.09	2.1	1.07	0.1	<0.02
2698680	Soil	15.3	7.8	0.02	579.6	0.003	<20	0.33	<0.001	0.05	<0.05	0.7	0.18	0.02	16	0.3	0.08	3.2	1.08	<0.1	<0.02

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Project: AKIE
Report Date: August 04, 2014

CERTIFICATE OF ANALYSIS VAN14002294.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Ba
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	5
2698651	Soil	0.05	0.8	<0.1	<0.05	1.4	5.07	1.1	<0.02	1	<0.1	0.5	<10	<2	442
2698652	Soil	0.08	1.7	<0.1	<0.05	1.4	5.66	2.1	<0.02	<1	0.1	0.9	<10	<2	534
2698653	Soil	0.19	5.1	0.2	<0.05	1.8	10.77	16.7	0.02	<1	0.4	3.4	<10	3	1779
2698654	Soil	0.10	5.2	0.5	<0.05	0.7	5.13	19.1	<0.02	<1	0.4	1.8	<10	<2	9418
2698655	Soil	0.07	10.3	0.7	<0.05	0.5	3.48	26.6	0.03	10	0.2	1.3	<10	<2	12695
2698656	Soil	0.05	5.5	1.2	<0.05	0.2	2.16	32.3	0.03	6	0.1	0.7	<10	<2	8467
2698657	Soil	0.08	11.5	1.2	<0.05	0.1	2.29	54.2	0.03	6	0.2	1.4	<10	3	8701
2698658	Soil	0.14	8.9	1.2	<0.05	0.2	3.11	44.8	0.03	2	0.1	1.3	<10	<2	7215
2698659	Soil	0.13	11.0	0.4	<0.05	1.3	3.95	29.6	0.03	3	0.2	4.0	<10	2	6221
2698660	Soil	0.17	5.5	0.3	<0.05	2.3	13.18	18.5	0.02	<1	0.6	6.9	<10	<2	1948
2698661	Soil	0.13	5.1	0.5	<0.05	2.0	17.58	26.2	0.04	3	0.5	5.5	<10	3	2558
2698662	Soil	0.08	4.1	0.4	<0.05	2.1	13.60	15.2	<0.02	4	0.5	3.0	<10	3	2631
2698663	Soil	0.23	10.4	0.7	<0.05	2.8	22.61	38.0	0.03	7	0.8	12.8	<10	3	23368
2698664	Soil	0.38	10.3	0.5	<0.05	0.7	2.89	20.0	0.02	1	0.4	7.5	<10	<2	1226
2698665	Soil	0.02	6.5	1.1	<0.05	<0.1	1.69	12.8	<0.02	4	0.3	2.5	<10	<2	834
2698666	Soil	0.27	10.4	0.5	<0.05	2.6	7.37	30.2	0.02	<1	0.7	6.9	<10	<2	1326
2698667	Soil	0.14	11.1	0.3	<0.05	0.1	5.60	18.8	<0.02	<1	0.5	5.7	<10	<2	1110
2698668	Soil	0.23	17.2	0.7	<0.05	0.6	13.41	33.5	0.04	3	1.1	12.9	<10	4	1359
2698669	Soil	0.28	4.9	0.6	<0.05	0.2	2.15	31.4	<0.02	<1	0.3	1.6	<10	<2	583
2698670	Soil	0.42	7.6	0.6	<0.05	0.6	3.18	35.3	<0.02	<1	0.4	4.5	<10	4	1203
2698671	Soil	0.10	8.9	0.5	<0.05	0.3	4.27	32.6	0.02	<1	0.4	3.8	<10	<2	1069
2698672	Soil	0.07	8.7	0.5	<0.05	<0.1	2.06	29.2	<0.02	1	0.4	2.6	<10	3	1055
2698673	Soil	0.33	5.0	0.5	<0.05	0.2	4.83	20.0	<0.02	<1	0.3	4.5	<10	4	860
2698674	Soil	0.40	6.2	0.6	<0.05	1.8	17.71	29.7	0.03	1	0.7	7.3	<10	<2	4815
2698675	Soil	0.25	7.3	0.7	<0.05	0.8	20.17	26.1	0.02	1	0.8	3.4	<10	<2	2976
2698676	Soil	0.08	4.8	1.0	<0.05	5.0	26.63	49.1	0.03	1	0.3	1.8	<10	4	6134
2698677	Soil	0.35	6.1	0.7	<0.05	3.3	22.00	27.6	0.03	1	0.6	8.9	<10	3	11480
2698678	Soil	0.12	6.7	0.3	<0.05	1.0	3.76	33.5	<0.02	5	0.2	1.3	<10	<2	7963
2698679	Soil	0.17	8.3	0.4	<0.05	0.3	1.66	35.0	<0.02	6	0.2	1.0	<10	<2	12694
2698680	Soil	0.13	5.5	0.6	<0.05	<0.1	1.49	32.5	<0.02	1	0.2	1.1	<10	<2	5289

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Method		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.05	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2698681	Soil	11.54	20.71	32.23	98.8	621	21.0	2.0	21	2.39	29.3	0.94	3.7	3.1	81.4	0.18	2.36	0.25	48	0.01	0.144
2698682	Soil	8.88	19.24	27.47	189.1	438	31.3	3.5	76	1.81	13.0	1.63	2.5	1.7	26.2	0.45	1.88	0.18	54	0.07	0.114
2698683	Soil	6.54	26.21	23.73	221.0	477	30.9	8.2	231	1.65	12.1	2.26	1.9	2.0	38.7	1.80	1.56	0.17	43	0.34	0.118
2698684	Soil	8.05	36.57	41.20	811.3	934	48.5	6.0	270	1.92	16.1	5.62	3.1	1.3	49.0	5.24	2.14	0.18	71	0.53	0.114
2698685	Soil	11.44	31.17	19.00	408.6	791	58.8	8.2	196	1.89	9.5	2.48	2.2	2.0	31.4	4.57	3.09	0.14	54	0.70	0.117
2698686	Soil	4.25	12.66	10.10	113.6	246	18.5	3.4	84	1.04	2.6	1.14	1.2	0.6	11.1	1.94	0.55	0.09	27	0.26	0.064
2698687	Soil	4.53	14.15	13.46	117.5	436	20.4	4.9	177	1.26	4.4	1.22	2.3	1.0	17.0	2.09	0.81	0.13	41	0.56	0.058
2698688	Soil	6.50	20.57	16.30	218.3	311	38.9	7.1	154	1.96	6.5	1.26	1.5	1.2	15.0	1.73	1.04	0.14	49	0.32	0.114
2698689	Soil	8.81	16.37	14.49	154.5	220	26.8	3.6	60	1.32	6.5	1.06	0.5	1.0	17.2	1.29	1.29	0.11	42	0.30	0.071
2698690	Soil	2.67	23.98	11.60	221.2	600	52.1	5.3	327	1.19	3.2	1.74	1.4	0.6	61.4	4.40	0.98	0.08	31	8.00	0.121
2698691	Soil	13.26	21.54	33.50	182.7	1017	34.1	3.9	74	2.38	21.8	1.14	0.9	2.6	73.1	0.35	1.93	0.21	50	0.19	0.136
2698692	Soil	15.36	25.00	40.21	189.2	755	34.5	3.3	33	2.48	26.7	0.86	2.3	3.7	89.6	0.25	1.94	0.26	63	0.04	0.095
2698693	Soil	12.29	21.67	37.98	159.5	876	35.1	3.1	34	1.78	18.7	1.10	3.6	2.6	67.4	0.76	2.28	0.20	47	0.10	0.074
2698694	Soil	9.15	16.28	24.78	132.4	147	21.0	2.2	15	0.92	8.0	0.83	2.1	1.9	36.0	0.86	1.22	0.13	49	0.16	0.051
2698695	Soil	9.81	12.88	33.18	149.0	311	22.5	2.2	23	1.31	11.8	0.67	1.0	1.8	25.5	0.20	1.13	0.15	80	0.03	0.045
2698696	Soil	15.91	47.57	42.77	795.8	1223	77.0	6.2	164	1.84	16.8	4.48	1.9	2.2	57.6	5.99	3.47	0.17	86	0.85	0.097
2698697	Soil	77.42	82.76	36.74	364.3	4318	85.0	2.8	50	4.22	47.0	14.98	2.8	3.5	51.8	10.10	10.79	0.19	1208	0.59	0.125
2698698	Soil	33.43	60.18	90.03	783.9	1364	174.8	14.5	438	3.92	31.2	3.43	2.0	3.8	34.4	10.10	7.27	0.16	64	1.00	0.150
2698699	Soil	6.80	36.07	31.36	499.1	681	80.0	6.5	247	1.66	7.7	1.72	3.1	1.5	22.3	3.10	1.66	0.14	75	1.13	0.179
2698700	Soil	4.80	36.57	35.37	299.7	275	66.1	8.2	115	1.79	6.0	2.37	1.3	2.6	26.9	1.18	1.31	0.20	70	0.77	0.295
2698701	Soil	3.83	33.56	40.03	487.3	2860	68.7	7.3	175	2.08	6.6	1.92	2.7	2.0	15.2	2.56	2.28	0.13	56	0.92	0.218
2698702	Soil	6.54	29.75	23.71	253.4	825	68.2	12.5	391	2.44	7.3	1.11	1.7	3.5	15.2	1.38	1.63	0.16	33	0.81	0.175
2698703	Soil	3.36	19.30	17.92	183.9	73	24.1	5.5	317	1.94	3.5	0.61	0.8	0.2	9.8	0.71	0.69	0.11	50	0.34	0.101
2698704	Soil	12.60	51.05	47.93	514.8	466	84.4	12.4	644	2.37	10.7	1.35	2.1	2.8	8.5	3.01	3.04	0.13	94	0.44	0.055
2698705	Soil	2.55	36.40	15.57	215.9	456	51.3	4.6	484	1.10	4.2	2.57	1.3	0.3	73.8	4.08	2.03	0.06	41	4.51	0.098
2698706	Soil	9.83	30.10	35.88	430.7	556	64.6	10.1	193	1.88	10.8	2.23	1.5	1.9	22.4	3.19	1.87	0.13	74	0.56	0.090
2698707	Soil	13.02	26.57	28.31	128.2	1793	36.9	4.5	57	2.23	24.3	1.06	1.2	4.1	73.7	0.45	2.84	0.20	47	0.08	0.099
2698708	Soil	9.83	16.05	24.68	108.4	733	20.1	1.9	17	1.10	12.9	0.53	<0.2	1.8	26.1	0.31	1.57	0.15	68	0.05	0.041
2698709	Soil	7.71	12.59	7.73	106.9	533	19.1	3.1	28	0.87	4.8	0.49	1.6	0.7	5.7	0.20	0.68	0.07	65	0.02	0.036
2698710	Soil	7.60	18.72	38.41	304.7	218	28.4	2.2	55	1.67	8.7	1.51	0.9	0.9	9.2	0.81	1.37	0.18	98	0.14	0.155

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Project: AKIE
Report Date: August 04, 2014

CERTIFICATE OF ANALYSIS VAN14002294.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.05	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
2698681	Soil	12.5	6.1	0.02	1087.8	0.002	<20	0.36	0.002	0.11	<0.05	1.2	0.66	0.24	40	1.7	0.13	1.5	1.36	<0.1	<0.02
2698682	Soil	9.6	7.7	0.04	1433.7	0.002	<20	0.34	<0.001	0.07	0.06	1.4	0.31	0.07	112	1.2	0.08	1.0	0.60	<0.1	<0.02
2698683	Soil	13.3	7.2	0.06	1720.1	0.003	<20	0.35	<0.001	0.08	0.07	2.0	0.31	0.09	91	1.2	<0.02	1.2	0.65	<0.1	<0.02
2698684	Soil	13.1	9.8	0.05	1952.6	0.002	<20	0.35	<0.001	0.07	0.18	2.2	0.63	0.09	353	1.7	0.03	1.2	0.90	<0.1	0.04
2698685	Soil	9.6	10.6	0.15	510.1	0.003	<20	0.51	<0.001	0.08	0.05	3.0	0.28	0.04	117	2.5	0.09	1.4	0.54	<0.1	0.05
2698686	Soil	14.7	8.2	0.11	403.5	0.003	<20	0.49	<0.001	0.07	<0.05	1.2	0.11	0.02	30	0.4	<0.02	2.1	0.38	<0.1	<0.02
2698687	Soil	11.6	10.0	0.12	435.3	0.004	<20	0.53	<0.001	0.08	0.06	1.6	0.12	0.03	32	0.5	0.04	2.1	0.25	<0.1	0.03
2698688	Soil	16.5	13.9	0.23	488.6	0.004	<20	0.74	<0.001	0.07	0.09	2.6	0.17	0.03	79	0.9	0.06	2.3	0.31	<0.1	0.02
2698689	Soil	10.8	8.0	0.10	433.2	0.003	<20	0.41	<0.001	0.09	0.08	1.5	0.16	0.06	48	1.2	0.07	1.5	0.16	<0.1	0.04
2698690	Soil	9.3	10.9	0.24	570.8	0.003	<20	0.44	0.002	0.06	0.06	1.9	0.13	0.09	111	2.1	0.02	1.1	0.36	<0.1	0.05
2698691	Soil	13.5	6.2	0.02	467.6	0.001	<20	0.42	0.004	0.17	<0.05	1.3	1.01	0.34	69	1.9	0.13	1.5	1.30	0.1	<0.02
2698692	Soil	14.7	6.2	0.02	244.3	0.001	<20	0.36	0.006	0.23	0.07	1.5	1.35	0.47	39	2.2	0.15	1.8	1.31	<0.1	<0.02
2698693	Soil	13.1	6.9	0.02	1443.2	0.001	<20	0.25	0.002	0.15	0.05	1.9	0.92	0.26	105	1.8	0.19	1.1	1.21	<0.1	<0.02
2698694	Soil	9.8	8.7	0.02	894.9	0.002	<20	0.34	<0.001	0.08	0.07	1.3	0.36	0.07	66	0.7	0.07	1.5	0.88	<0.1	0.02
2698695	Soil	10.6	7.3	0.03	779.6	0.001	<20	0.42	<0.001	0.09	0.09	1.0	0.39	0.13	24	0.8	0.06	2.3	0.75	<0.1	<0.02
2698696	Soil	14.9	13.7	0.09	1487.1	0.002	<20	0.31	<0.001	0.07	0.16	2.5	0.75	0.09	338	1.5	0.10	1.1	0.48	<0.1	0.08
2698697	Soil	13.2	91.5	0.10	84.5	0.008	<20	0.96	0.005	0.58	0.58	5.9	2.82	1.01	724	7.1	0.23	5.8	1.08	0.1	0.15
2698698	Soil	19.0	9.9	0.06	1091.5	0.002	<20	0.34	<0.001	0.08	0.64	3.6	1.39	0.09	362	2.2	0.11	1.1	0.47	0.1	0.12
2698699	Soil	13.0	22.9	0.28	1176.3	0.004	<20	0.56	<0.001	0.10	0.12	3.0	0.27	0.06	291	1.7	0.04	1.8	0.61	<0.1	0.02
2698700	Soil	16.4	22.6	0.23	463.4	0.006	<20	0.69	0.001	0.20	0.11	2.8	0.22	0.07	113	1.9	0.10	2.6	0.90	<0.1	0.04
2698701	Soil	14.4	15.1	0.17	290.0	0.003	<20	0.45	<0.001	0.17	<0.05	5.2	0.14	0.04	190	3.3	0.03	1.6	0.48	<0.1	0.06
2698702	Soil	21.7	13.3	0.27	213.1	0.004	<20	0.53	0.001	0.16	<0.05	5.9	0.20	<0.02	107	1.3	0.06	1.8	0.93	<0.1	0.05
2698703	Soil	17.7	14.1	0.15	266.7	0.004	<20	0.72	<0.001	0.07	<0.05	1.0	0.13	0.04	60	0.7	0.06	3.5	1.08	<0.1	<0.02
2698704	Soil	19.9	20.7	0.48	538.6	0.003	<20	0.75	<0.001	0.18	<0.05	4.3	0.33	0.04	84	1.7	0.02	2.3	0.56	<0.1	0.10
2698705	Soil	5.0	7.1	0.30	1092.9	0.002	<20	0.29	0.003	0.05	<0.05	1.1	0.20	0.12	140	2.4	0.04	0.8	0.36	<0.1	0.05
2698706	Soil	13.2	11.0	0.09	1597.3	0.002	<20	0.60	<0.001	0.09	0.10	3.5	0.28	0.05	175	1.4	0.12	1.5	0.43	<0.1	0.04
2698707	Soil	11.4	6.4	0.02	396.7	0.001	<20	0.32	0.004	0.17	<0.05	1.4	0.94	0.30	106	2.0	0.11	1.3	1.52	<0.1	0.03
2698708	Soil	13.9	11.4	0.02	1397.6	0.003	<20	0.32	0.002	0.11	0.05	1.1	0.28	0.13	51	1.0	0.11	2.7	1.91	<0.1	<0.02
2698709	Soil	16.1	10.2	0.05	342.1	0.004	<20	0.48	<0.001	0.06	0.05	0.8	0.19	<0.02	14	0.6	0.06	4.7	0.67	<0.1	<0.02
2698710	Soil	11.1	12.9	0.08	289.9	0.004	<20	0.51	<0.001	0.09	0.13	1.1	0.23	0.04	214	1.4	0.12	3.1	0.45	<0.1	<0.02

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Project: AKIE
Report Date: August 04, 2014

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Ba
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	5
2698681	Soil	0.15	10.8	0.3	<0.05	0.5	2.65	27.7	0.04	7	0.2	1.3	<10	<2	10008
2698682	Soil	0.22	7.1	0.3	<0.05	1.1	4.50	19.5	<0.02	1	0.2	2.2	<10	<2	5624
2698683	Soil	0.20	7.0	0.3	<0.05	0.9	9.97	27.5	0.03	4	0.4	2.8	<10	<2	8265
2698684	Soil	0.16	7.3	0.4	<0.05	1.4	13.64	25.9	0.03	1	0.5	3.4	<10	<2	9467
2698685	Soil	0.24	5.8	0.3	<0.05	2.4	12.62	19.6	0.03	3	0.7	5.8	<10	<2	2706
2698686	Soil	0.28	8.1	0.3	<0.05	0.4	4.28	28.5	<0.02	<1	0.3	4.5	<10	<2	1629
2698687	Soil	0.32	6.1	0.5	<0.05	0.8	4.95	23.8	<0.02	<1	0.3	4.8	<10	2	1810
2698688	Soil	0.26	6.2	0.3	<0.05	0.9	13.96	29.8	0.04	7	0.7	9.2	<10	<2	1849
2698689	Soil	0.24	4.8	0.4	<0.05	0.8	5.02	19.1	<0.02	1	0.3	3.3	<10	<2	1953
2698690	Soil	0.25	5.1	0.2	<0.05	1.9	12.27	17.6	0.03	4	0.4	4.7	<10	<2	1623
2698691	Soil	0.11	9.8	0.4	<0.05	0.4	4.57	29.1	0.03	1	0.2	2.2	<10	3	21288
2698692	Soil	0.06	11.7	0.5	<0.05	0.4	3.13	28.7	0.04	5	<0.1	2.0	<10	<2	18657
2698693	Soil	0.05	9.3	1.1	<0.05	0.5	6.85	26.5	0.03	7	0.3	1.8	<10	4	11809
2698694	Soil	0.17	8.9	0.4	<0.05	0.6	3.86	22.8	<0.02	3	0.1	1.7	<10	<2	5937
2698695	Soil	0.11	9.2	0.4	<0.05	0.2	1.97	23.5	<0.02	4	0.1	2.0	<10	<2	4684
2698696	Soil	0.12	4.9	0.3	<0.05	2.4	13.09	27.1	0.03	10	0.5	1.9	<10	3	6312
2698697	Soil	0.21	14.8	1.4	<0.05	6.7	14.44	23.9	0.05	9	1.1	9.9	14	4	27736
2698698	Soil	0.08	4.1	1.9	<0.05	6.2	28.17	34.4	0.06	4	0.5	1.7	<10	<2	4553
2698699	Soil	0.12	6.0	0.5	<0.05	1.5	14.03	23.5	0.03	3	0.7	10.0	11	3	2936
2698700	Soil	0.22	13.8	0.7	<0.05	1.9	15.09	27.5	0.02	<1	1.0	13.1	<10	<2	1413
2698701	Soil	0.13	9.2	0.3	<0.05	3.0	19.99	24.9	0.02	4	0.9	4.6	<10	<2	1224
2698702	Soil	0.12	10.7	0.3	<0.05	2.4	21.30	43.7	<0.02	<1	0.9	5.0	<10	<2	1252
2698703	Soil	0.21	8.3	0.5	<0.05	0.2	12.27	41.9	0.04	<1	0.5	4.8	<10	<2	1103
2698704	Soil	0.10	9.3	0.3	<0.05	5.4	19.88	42.1	0.04	<1	1.2	7.4	<10	3	1599
2698705	Soil	0.15	3.9	0.2	<0.05	2.1	9.72	8.8	<0.02	4	0.4	2.5	<10	3	1736
2698706	Soil	0.24	6.6	0.3	<0.05	2.1	17.46	25.2	0.03	4	0.6	4.6	<10	4	4041
2698707	Soil	0.11	10.8	0.6	<0.05	1.2	4.98	27.0	<0.02	5	0.1	1.8	<10	2	23772
2698708	Soil	0.14	8.1	0.8	<0.05	0.3	1.93	28.4	<0.02	7	0.2	0.8	<10	2	5705
2698709	Soil	0.12	5.4	0.7	<0.05	0.2	1.65	30.0	<0.02	3	0.2	1.8	<10	2	1690
2698710	Soil	0.21	5.8	0.6	<0.05	0.3	4.70	17.9	0.02	9	0.4	4.7	<10	2	1798

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	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.05	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2698711	Soil	11.33	31.95	43.62	444.1	767	51.7	7.1	502	1.17	7.4	4.28	0.7	1.1	28.3	7.85	1.82	0.10	123	1.19	0.076
2698712	Soil	13.52	23.51	25.18	443.5	238	70.6	11.9	290	1.87	10.7	2.66	0.3	2.2	19.0	3.07	1.49	0.13	66	0.68	0.075
2698713	Soil	4.87	28.63	21.20	498.6	806	72.7	7.4	783	1.46	7.4	2.00	2.0	0.6	43.0	6.22	1.42	0.11	52	2.11	0.108
2698714	Soil	21.68	25.62	16.37	109.3	579	44.4	2.9	75	1.21	14.2	1.36	0.3	1.3	8.0	1.61	1.84	0.16	61	0.26	0.048
2698715	Soil	35.80	36.54	17.94	412.8	895	88.6	7.6	99	1.91	20.5	9.20	2.6	1.2	54.2	4.44	5.32	0.15	95	1.23	0.091
2698716	Soil	2.50	37.74	49.63	279.0	467	52.3	3.4	898	0.72	3.1	2.62	0.3	0.3	42.4	6.34	1.30	0.07	41	4.45	0.103
2698717	Soil	7.18	20.42	40.98	1114.5	760	80.3	7.0	1706	2.11	7.9	1.02	<0.2	1.5	25.5	7.36	1.42	0.18	86	0.99	0.113
2698718	Soil	5.72	13.08	29.53	181.5	451	33.5	4.9	252	2.02	9.9	1.07	<0.2	3.3	11.0	1.08	1.23	0.12	30	0.64	0.070
2698719	Soil	3.71	30.35	25.23	223.0	275	37.8	5.1	356	1.27	4.8	3.13	<0.2	0.5	31.7	4.00	1.52	0.15	88	1.80	0.088
2698720	Soil	7.79	18.60	21.30	222.6	435	31.5	6.8	544	2.71	7.6	2.01	<0.2	1.0	25.6	2.60	1.42	0.16	106	1.62	0.102
2698721	Soil	5.25	21.57	30.67	250.4	589	41.4	7.7	451	1.82	5.8	1.91	<0.2	0.7	28.9	3.12	1.53	0.16	64	1.46	0.103
2698722	Soil	3.19	23.88	24.49	187.7	915	33.8	5.3	404	1.48	4.5	2.80	0.2	0.8	32.3	1.59	1.35	0.17	53	1.92	0.140

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.05	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
2698711	Soil	9.7	14.1	0.10	1408.9	0.003	<20	0.55	<0.001	0.06	0.15	2.2	0.30	0.07	274	0.9	0.08	2.1	0.43	<0.1	0.04
2698712	Soil	11.3	10.8	0.11	372.0	0.005	<20	0.50	<0.001	0.07	0.16	2.1	0.50	0.04	127	1.4	0.10	2.0	0.36	<0.1	0.03
2698713	Soil	6.9	8.8	0.10	665.3	0.003	<20	0.38	<0.001	0.05	0.13	1.4	0.29	0.09	182	1.8	0.06	1.1	0.31	<0.1	0.05
2698714	Soil	13.1	6.1	0.03	206.6	0.002	<20	0.24	<0.001	0.06	0.19	1.1	0.46	0.03	74	1.0	0.05	1.1	0.56	<0.1	<0.02
2698715	Soil	9.1	8.8	0.04	793.7	0.002	<20	0.35	<0.001	0.09	0.73	1.4	1.22	0.17	694	2.5	0.16	1.0	0.42	<0.1	0.04
2698716	Soil	10.1	10.7	0.17	876.7	0.003	<20	0.33	0.001	0.03	0.10	1.0	0.14	0.15	295	1.5	0.04	1.1	0.31	<0.1	0.04
2698717	Soil	18.2	13.2	0.18	1090.9	0.005	<20	0.63	0.001	0.10	0.24	3.5	0.25	0.04	222	0.8	0.11	1.9	0.45	<0.1	0.03
2698718	Soil	18.9	6.0	0.14	266.9	0.002	<20	0.24	<0.001	0.09	0.19	3.6	0.13	0.02	126	0.6	0.02	0.6	0.63	<0.1	0.08
2698719	Soil	12.4	12.3	0.13	1057.9	0.004	<20	0.66	0.002	0.04	0.61	1.8	0.20	0.10	155	1.2	0.03	1.7	0.56	<0.1	0.04
2698720	Soil	11.2	14.5	0.29	889.7	0.005	<20	0.48	0.002	0.07	0.32	2.5	0.17	0.07	104	0.8	0.04	1.5	0.37	<0.1	0.04
2698721	Soil	11.4	15.7	0.17	839.0	0.004	<20	0.66	0.002	0.07	0.33	2.2	0.17	0.06	169	1.3	0.03	1.8	0.43	<0.1	0.04
2698722	Soil	14.2	13.3	0.24	933.0	0.004	<20	0.58	0.002	0.07	0.39	2.6	0.16	0.09	174	1.4	0.05	1.6	0.42	<0.1	0.05

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Project: AKIE
Report Date: August 04, 2014

CERTIFICATE OF ANALYSIS VAN14002294.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Ba
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	5
2698711	Soil	0.38	5.7	0.4	<0.05	1.8	8.48	17.6	0.03	3	0.6	5.2	<10	3	4364
2698712	Soil	0.57	7.1	0.4	<0.05	2.0	10.15	22.7	<0.02	<1	0.5	4.4	<10	<2	2099
2698713	Soil	0.30	4.3	0.2	<0.05	1.7	10.79	14.1	<0.02	<1	0.5	3.2	<10	4	1942
2698714	Soil	0.11	5.8	0.3	<0.05	0.6	6.64	22.5	<0.02	1	0.3	1.1	<10	<2	1415
2698715	Soil	0.13	4.5	0.9	<0.05	3.1	14.59	15.6	0.03	4	0.6	1.2	<10	4	2320
2698716	Soil	0.17	3.5	0.2	<0.05	2.1	9.95	17.1	<0.02	3	0.5	3.2	<10	<2	1614
2698717	Soil	0.33	8.1	0.4	<0.05	1.2	15.04	37.1	0.04	<1	0.5	7.1	<10	<2	3701
2698718	Soil	0.08	5.9	0.1	<0.05	3.8	12.10	35.2	0.02	<1	0.6	2.8	<10	<2	1288
2698719	Soil	0.37	4.0	0.4	<0.05	1.5	15.58	22.0	<0.02	4	0.9	5.0	<10	<2	2931
2698720	Soil	0.37	6.0	0.4	<0.05	1.0	10.33	22.8	0.04	<1	0.7	4.7	<10	<2	2398
2698721	Soil	0.44	7.0	0.4	<0.05	1.1	10.11	23.0	0.02	2	0.7	7.3	<10	<2	2615
2698722	Soil	0.33	6.8	0.3	<0.05	2.0	15.61	24.6	<0.02	<1	0.6	5.6	<10	<2	2345

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Project: AKIE
Report Date: August 04, 2014

QUALITY CONTROL REPORT VAN14002294.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.05	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
2698503	Soil	103.05	31.40	48.03	100.1	1776	22.8	2.4	72	3.37	35.1	5.72	0.7	0.9	59.4	1.54	10.89	0.46	148	0.08	0.223
REP 2698503	QC																				
2698519	Soil	29.23	33.44	94.99	280.7	647	47.8	4.2	25	2.53	28.9	2.33	0.6	0.9	43.2	0.47	4.76	0.24	97	0.03	0.108
REP 2698519	QC	30.14	35.84	99.80	307.0	665	46.8	4.3	25	2.60	29.4	2.49	0.9	0.9	45.4	0.47	4.89	0.26	102	0.03	0.107
2698539	Soil	77.94	21.53	67.72	238.7	342	28.4	2.3	34	1.94	30.2	3.07	0.8	0.4	14.0	0.27	2.94	0.28	223	0.03	0.076
REP 2698539	QC																				
2698555	Soil	22.79	28.29	15.37	212.5	184	56.6	5.7	50	1.72	19.5	1.66	0.3	<0.1	17.9	0.43	1.82	0.19	74	0.04	0.101
REP 2698555	QC	22.23	28.19	15.26	222.2	177	52.3	5.9	56	1.69	18.7	1.73	<0.2	<0.1	17.1	0.42	1.76	0.20	73	0.03	0.094
2698575	Soil	10.97	30.43	25.73	57.2	647	13.4	1.9	28	2.10	21.2	1.63	1.1	0.9	85.0	0.16	2.21	0.28	48	0.04	0.132
REP 2698575	QC																				
2698591	Soil	50.90	25.19	44.53	157.7	2220	32.0	2.6	58	3.94	60.0	2.55	2.3	0.7	118.7	0.45	10.88	0.46	170	0.07	0.160
REP 2698591	QC	50.15	24.23	44.81	162.2	2201	29.2	2.4	56	3.92	60.0	2.59	1.5	0.7	122.4	0.40	11.02	0.47	169	0.08	0.162
2698611	Soil	26.33	44.17	52.63	98.5	935	18.9	1.7	68	2.27	23.7	3.44	1.2	0.3	110.5	0.50	3.06	0.36	93	0.04	0.163
REP 2698611	QC																				
2698627	Soil	6.23	21.24	24.88	111.9	842	32.3	6.3	219	1.29	4.4	1.34	1.0	1.2	16.2	0.53	1.07	0.17	20	1.27	0.098
REP 2698627	QC	6.54	23.02	25.79	117.9	845	35.5	6.8	230	1.39	4.3	1.44	1.1	1.3	16.8	0.57	1.14	0.18	22	1.41	0.101
2698647	Soil	44.13	25.96	10.71	128.8	124	89.4	7.9	387	1.71	9.8	4.16	1.6	3.0	61.1	1.14	1.26	0.10	19	5.66	0.072
REP 2698647	QC																				
2698663	Soil	26.02	52.67	56.13	705.5	2404	100.7	7.8	409	2.00	15.3	4.03	1.4	1.7	37.6	6.70	5.26	0.16	380	1.45	0.142
REP 2698663	QC	26.99	53.86	55.88	706.6	2440	104.5	7.8	414	2.05	15.7	3.97	4.3	1.7	39.6	6.82	5.37	0.17	396	1.40	0.147
2698669	Soil	1.08	7.67	9.03	65.0	119	18.8	4.6	186	1.70	1.2	0.43	0.9	0.6	4.2	0.42	0.31	0.08	21	0.22	0.039
REP 2698669	QC																				
2698683	Soil	6.54	26.21	23.73	221.0	477	30.9	8.2	231	1.65	12.1	2.26	1.9	2.0	38.7	1.80	1.56	0.17	43	0.34	0.118
REP 2698683	QC																				
2698699	Soil	6.80	36.07	31.36	499.1	681	80.0	6.5	247	1.66	7.7	1.72	3.1	1.5	22.3	3.10	1.66	0.14	75	1.13	0.179
REP 2698699	QC	7.51	36.87	32.70	549.3	698	85.5	6.8	263	1.80	8.0	1.79	2.0	1.5	23.5	3.12	1.70	0.14	79	1.08	0.176
2698719	Soil	3.71	30.35	25.23	223.0	275	37.8	5.1	356	1.27	4.8	3.13	<0.2	0.5	31.7	4.00	1.52	0.15	88	1.80	0.088
REP 2698719	QC																				

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Project: AKIE
Report Date: August 04, 2014

QUALITY CONTROL REPORT VAN14002294.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.05	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
Pulp Duplicates																						
2698503	Soil		18.8	9.2	0.03	923.4	0.002	<20	0.33	0.004	0.19	0.16	1.3	1.29	0.43	200	15.4	0.21	1.4	1.33	<0.1	0.02
REP 2698503	QC																					
2698519	Soil		22.2	8.0	0.04	439.7	0.003	<20	0.52	<0.001	0.07	0.08	1.0	1.42	0.06	53	5.3	0.12	2.1	1.10	<0.1	<0.02
REP 2698519	QC		24.0	8.4	0.04	453.6	0.003	<20	0.55	<0.001	0.08	0.07	1.1	1.50	0.06	44	5.9	0.13	2.3	1.20	<0.1	0.02
2698539	Soil		42.1	21.4	0.04	264.6	0.004	<20	0.62	0.002	0.07	0.44	0.8	0.95	0.03	22	1.7	0.27	5.2	2.44	<0.1	<0.02
REP 2698539	QC																					
2698555	Soil		17.0	10.8	0.04	220.8	0.002	<20	0.41	0.001	0.08	0.09	0.4	0.62	0.05	30	1.5	0.10	2.7	1.05	<0.1	<0.02
REP 2698555	QC		18.5	11.0	0.05	238.4	0.002	<20	0.41	0.001	0.08	0.11	0.3	0.64	0.05	34	1.3	0.09	2.8	1.19	<0.1	<0.02
2698575	Soil		9.6	9.5	0.05	903.4	0.003	<20	0.49	0.002	0.16	0.05	0.8	0.77	0.35	49	3.1	0.12	2.1	1.45	<0.1	<0.02
REP 2698575	QC																					
2698591	Soil		16.5	13.3	0.03	173.1	0.008	<20	0.35	0.010	0.30	0.18	0.8	4.01	0.75	100	7.9	0.29	2.5	1.07	<0.1	<0.02
REP 2698591	QC		16.6	13.1	0.03	193.8	0.008	<20	0.38	0.009	0.30	0.21	0.7	4.03	0.74	102	8.2	0.29	2.6	1.13	<0.1	<0.02
2698611	Soil		12.9	16.2	0.03	420.7	0.002	<20	0.45	0.006	0.20	0.13	0.5	2.47	0.49	95	4.3	0.13	2.1	1.99	<0.1	<0.02
REP 2698611	QC																					
2698627	Soil		14.4	6.4	0.26	410.6	0.002	<20	0.32	0.003	0.08	<0.05	2.8	0.14	0.11	191	1.0	0.04	0.8	0.84	<0.1	0.11
REP 2698627	QC		15.2	6.6	0.27	428.7	0.002	<20	0.34	0.004	0.09	<0.05	3.1	0.16	0.12	195	1.3	0.08	1.1	0.97	<0.1	0.13
2698647	Soil		13.5	4.3	2.42	267.9	0.001	<20	0.13	0.003	0.05	0.06	3.8	0.83	0.04	151	1.1	0.02	0.4	0.47	<0.1	0.05
REP 2698647	QC																					
2698663	Soil		21.8	34.7	0.27	4744.3	0.007	<20	0.68	0.001	0.15	0.33	5.1	0.99	0.07	499	2.2	0.05	3.0	0.80	0.2	0.07
REP 2698663	QC		22.0	34.0	0.28	4929.9	0.007	<20	0.70	0.001	0.15	0.42	5.0	0.96	0.07	517	2.3	0.13	3.2	0.81	<0.1	0.09
2698669	Soil		15.7	8.2	0.06	143.7	0.006	<20	0.36	0.002	0.07	<0.05	1.1	0.05	0.03	27	0.2	0.02	2.0	0.17	<0.1	<0.02
REP 2698669	QC																					
2698683	Soil		13.3	7.2	0.06	1720.1	0.003	<20	0.35	<0.001	0.08	0.07	2.0	0.31	0.09	91	1.2	<0.02	1.2	0.65	<0.1	<0.02
REP 2698683	QC																					
2698699	Soil		13.0	22.9	0.28	1176.3	0.004	<20	0.56	<0.001	0.10	0.12	3.0	0.27	0.06	291	1.7	0.04	1.8	0.61	<0.1	0.02
REP 2698699	QC		13.4	20.2	0.31	1278.2	0.004	<20	0.59	<0.001	0.11	0.14	3.1	0.27	0.07	295	1.6	0.04	1.9	0.62	<0.1	0.06
2698719	Soil		12.4	12.3	0.13	1057.9	0.004	<20	0.66	0.002	0.04	0.61	1.8	0.20	0.10	155	1.2	0.03	1.7	0.56	<0.1	0.04
REP 2698719	QC																					

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QUALITY CONTROL REPORT VAN14002294.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	LF300
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Ba
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	ppm
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	5
Pulp Duplicates															
2698503	Soil	0.03	12.7	0.4	<0.05	1.2	7.76	30.8	0.03	42	0.2	1.3	<10	4	5366
REP 2698503	QC														5553
2698519	Soil	0.09	8.8	0.4	<0.05	1.0	5.32	37.0	0.04	8	0.4	1.3	<10	<2	3663
REP 2698519	QC	0.09	10.0	0.4	<0.05	0.5	5.69	40.2	0.04	5	0.2	1.4	<10	2	
2698539	Soil	0.12	9.8	1.8	<0.05	0.2	4.85	64.9	<0.02	4	0.3	1.7	<10	<2	1712
REP 2698539	QC														1732
2698555	Soil	0.03	9.4	0.7	<0.05	<0.1	3.75	27.7	<0.02	3	0.4	1.2	<10	2	1414
REP 2698555	QC	0.03	9.6	0.7	<0.05	<0.1	3.62	28.9	<0.02	2	0.2	1.4	<10	<2	
2698575	Soil	0.12	13.3	0.4	<0.05	0.3	2.80	22.5	0.02	3	0.2	1.9	<10	3	4668
REP 2698575	QC														4626
2698591	Soil	0.32	16.2	0.8	<0.05	0.3	4.27	26.9	0.06	10	0.4	2.0	<10	3	9878
REP 2698591	QC	0.32	16.8	0.8	<0.05	0.3	4.20	28.5	0.06	8	0.3	2.1	<10	<2	
2698611	Soil	0.06	15.6	1.9	<0.05	0.2	5.15	24.0	0.05	8	0.4	1.7	<10	<2	9527
REP 2698611	QC														9579
2698627	Soil	0.10	6.1	0.2	<0.05	4.2	12.73	26.2	0.03	<1	0.8	4.0	<10	3	1250
REP 2698627	QC	0.11	6.9	0.2	<0.05	4.3	13.45	27.3	<0.02	<1	0.9	3.9	<10	<2	
2698647	Soil	0.06	3.6	0.1	<0.05	3.4	16.73	25.4	<0.02	4	0.5	1.5	<10	<2	1139
REP 2698647	QC														1188
2698663	Soil	0.23	10.4	0.7	<0.05	2.8	22.61	38.0	0.03	7	0.8	12.8	<10	3	23368
REP 2698663	QC	0.22	10.8	0.9	<0.05	2.7	22.69	38.3	0.03	3	0.7	13.0	<10	<2	
2698669	Soil	0.28	4.9	0.6	<0.05	0.2	2.15	31.4	<0.02	<1	0.3	1.6	<10	<2	583
REP 2698669	QC														583
2698683	Soil	0.20	7.0	0.3	<0.05	0.9	9.97	27.5	0.03	4	0.4	2.8	<10	<2	8265
REP 2698683	QC														8170
2698699	Soil	0.12	6.0	0.5	<0.05	1.5	14.03	23.5	0.03	3	0.7	10.0	11	3	2936
REP 2698699	QC	0.12	7.0	0.6	<0.05	1.8	14.71	23.3	0.03	3	0.8	10.8	<10	<2	
2698719	Soil	0.37	4.0	0.4	<0.05	1.5	15.58	22.0	<0.02	4	0.9	5.0	<10	<2	2931
REP 2698719	QC														2901

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PO Box 11121, Royal Centre
Vancouver BC V6E 3P3 CANADA

Project: AKIE
Report Date: August 04, 2014

QUALITY CONTROL REPORT VAN14002294.1

		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.05	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
2698722	Soil	3.19	23.88	24.49	187.7	915	33.8	5.3	404	1.48	4.5	2.80	0.2	0.8	32.3	1.59	1.35	0.17	53	1.92	0.140
REP 2698722	QC	3.10	23.09	24.29	183.4	877	33.4	5.5	404	1.45	4.7	2.71	<0.2	0.7	31.9	1.48	1.26	0.16	51	1.84	0.143
Reference Materials																					
STD DS10	Standard	15.31	159.90	157.54	374.5	1906	77.4	13.3	896	2.80	49.6	2.96	58.1	7.9	71.2	2.92	7.26	13.42	45	1.11	0.083
STD DS10	Standard	15.02	169.01	159.14	384.7	2095	78.2	14.1	857	2.84	46.1	2.89	62.3	7.6	68.9	2.79	7.74	13.05	44	1.10	0.080
STD DS10	Standard	15.29	164.88	161.02	406.9	1792	78.0	13.3	934	2.81	49.5	2.76	71.0	7.6	66.2	2.97	7.56	12.72	43	1.08	0.080
STD DS10	Standard	14.95	157.61	167.18	396.8	1857	76.4	13.2	924	2.82	49.0	2.74	70.3	7.6	64.7	2.76	6.81	10.89	44	1.12	0.083
STD DS10	Standard	13.06	162.46	161.19	397.4	2346	73.3	12.5	847	2.72	46.5	2.50	70.7	7.2	67.7	2.82	8.24	12.48	43	1.05	0.081
STD DS10	Standard	13.40	152.53	157.14	367.3	1980	74.0	12.5	868	2.74	46.7	2.58	61.9	7.4	59.8	2.64	6.47	9.90	42	1.02	0.082
STD DS10	Standard	14.60	161.20	160.68	376.6	2114	76.5	13.1	909	2.85	49.1	2.75	71.3	7.8	75.0	2.82	8.36	13.86	45	1.08	0.082
STD OREAS45EA	Standard	1.65	724.79	15.69	34.6	272	406.4	54.0	420	23.42	10.6	2.01	58.4	10.6	4.0	0.05	0.26	0.27	339	0.04	0.027
STD OREAS45EA	Standard	1.63	694.28	15.21	30.6	251	391.8	50.6	381	22.70	10.4	1.91	61.0	10.3	3.7	0.04	0.28	0.27	325	0.03	0.027
STD OREAS45EA	Standard	1.68	714.62	17.12	34.4	286	405.7	53.0	430	24.30	10.4	2.06	53.6	11.6	4.1	0.04	0.26	0.29	340	0.04	0.028
STD OREAS45EA	Standard	1.62	712.01	15.23	34.0	295	398.6	55.3	439	24.16	10.6	1.90	62.2	10.7	3.7	0.04	0.24	0.20	316	0.04	0.031
STD OREAS45EA	Standard	1.77	739.75	17.57	36.6	304	412.2	55.5	411	25.44	12.0	2.18	60.4	12.4	4.6	0.06	0.31	0.30	315	0.04	0.030
STD OREAS45EA	Standard	1.61	698.96	14.80	30.2	303	391.0	51.8	419	24.36	9.7	1.77	54.3	9.9	3.6	<0.01	0.22	0.20	311	0.04	0.029
STD OREAS45EA	Standard	1.55	759.76	16.36	35.8	309	419.9	51.7	443	25.34	11.0	2.05	62.8	11.2	4.2	0.02	0.29	0.29	316	0.04	0.031
STD SO-18	Standard																				
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Project: AKIE
Report Date: August 04, 2014

QUALITY CONTROL REPORT VAN14002294.1

		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.05	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
2698722	Soil	14.2	13.3	0.24	933.0	0.004	<20	0.58	0.002	0.07	0.39	2.6	0.16	0.09	174	1.4	0.05	1.6	0.42	<0.1	0.05
REP 2698722	QC	13.8	11.8	0.23	928.9	0.004	<20	0.56	0.002	0.06	0.41	2.2	0.17	0.09	163	1.4	0.11	1.5	0.38	<0.1	0.06
Reference Materials																					
STD DS10	Standard	17.9	58.5	0.81	421.5	0.083	<20	1.08	0.060	0.35	2.98	2.9	5.41	0.29	289	2.4	4.96	4.3	2.75	<0.1	0.07
STD DS10	Standard	17.6	57.8	0.81	445.7	0.080	<20	1.05	0.058	0.34	3.17	2.8	5.35	0.29	330	2.2	4.89	4.5	2.76	<0.1	0.06
STD DS10	Standard	18.2	58.1	0.79	412.3	0.083	<20	1.04	0.058	0.34	2.82	3.0	5.27	0.29	340	2.5	5.24	4.6	2.85	<0.1	0.06
STD DS10	Standard	17.7	60.0	0.79	460.6	0.084	<20	1.06	0.069	0.34	3.60	3.0	5.47	0.31	317	2.6	5.38	4.9	2.85	0.1	0.05
STD DS10	Standard	17.4	55.3	0.77	414.6	0.083	<20	1.03	0.067	0.33	3.02	2.7	5.21	0.29	290	2.6	5.16	4.3	2.75	<0.1	0.04
STD DS10	Standard	15.4	54.8	0.76	386.1	0.074	<20	0.98	0.065	0.32	3.25	2.8	4.97	0.29	302	2.5	4.66	4.3	2.56	<0.1	0.05
STD DS10	Standard	18.7	57.3	0.80	455.8	0.078	<20	1.06	0.069	0.34	3.04	3.1	5.41	0.30	378	2.4	5.82	4.2	2.88	<0.1	0.05
STD OREAS45EA	Standard	7.9	880.7	0.10	162.3	0.099	<20	3.28	0.008	0.05	<0.05	78.4	<0.02	0.03	7	0.6	0.10	12.8	0.77	0.2	0.79
STD OREAS45EA	Standard	7.1	748.4	0.09	145.0	0.091	<20	3.08	0.009	0.05	<0.05	70.5	<0.02	0.03	11	0.8	0.09	11.9	0.69	0.3	0.61
STD OREAS45EA	Standard	7.8	908.5	0.10	162.5	0.105	<20	3.29	0.009	0.05	<0.05	84.4	<0.02	0.03	13	0.7	0.05	13.1	0.77	0.3	0.82
STD OREAS45EA	Standard	6.9	997.2	0.11	143.9	0.103	<20	3.25	0.020	0.05	<0.05	81.8	<0.02	0.04	14	0.6	0.05	13.0	0.75	0.4	0.80
STD OREAS45EA	Standard	8.7	919.6	0.10	174.4	0.111	<20	3.48	0.021	0.06	<0.05	85.9	<0.02	0.04	12	1.0	0.09	12.9	0.75	0.3	0.78
STD OREAS45EA	Standard	6.4	935.0	0.10	142.0	0.097	<20	3.21	0.020	0.05	<0.05	76.8	<0.02	0.04	24	0.7	0.12	12.3	0.68	0.3	0.77
STD OREAS45EA	Standard	7.6	860.2	0.11	164.1	0.104	<20	3.37	0.025	0.05	<0.05	89.9	<0.02	0.04	<5	0.6	0.14	13.0	0.75	0.3	0.79
STD SO-18	Standard																				
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Project: AKIE
Report Date: August 04, 2014

QUALITY CONTROL REPORT VAN14002294.1

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 Ba ppm 5
2698722	Soil	0.33	6.8	0.3	<0.05	2.0	15.61	24.6	<0.02	<1	0.6	5.6	<10	<2	2345
REP 2698722	QC	0.35	6.7	0.3	<0.05	2.0	15.65	23.8	0.02	5	0.8	5.6	10	<2	
Reference Materials															
STD DS10	Standard	1.39	29.1	1.7	<0.05	2.6	8.11	35.8	0.24	52	0.8	21.1	103	188	
STD DS10	Standard	1.33	29.7	1.6	<0.05	2.3	7.66	34.6	0.24	50	0.6	20.4	96	190	
STD DS10	Standard	1.34	30.6	1.6	<0.05	2.4	7.61	34.8	0.25	52	0.9	21.4	94	190	
STD DS10	Standard	1.45	30.9	1.6	<0.05	2.5	7.80	36.3	0.26	49	0.6	21.5	120	203	
STD DS10	Standard	1.32	29.5	1.6	<0.05	2.5	7.91	34.6	0.28	48	0.5	19.8	99	190	
STD DS10	Standard	1.30	28.8	1.4	<0.05	2.4	7.09	32.6	0.23	49	0.8	20.5	116	195	
STD DS10	Standard	1.32	30.2	1.6	<0.05	2.6	8.58	37.8	0.25	33	0.4	21.3	119	199	
STD OREAS45EA	Standard	0.08	8.4	1.0	<0.05	26.3	5.37	18.8	0.10	<1	0.4	2.4	76	117	
STD OREAS45EA	Standard	0.09	7.6	1.0	<0.05	20.5	5.11	17.6	0.08	<1	0.4	2.4	66	103	
STD OREAS45EA	Standard	0.10	8.8	0.9	<0.05	27.9	5.85	19.5	0.11	2	0.5	2.7	95	117	
STD OREAS45EA	Standard	0.12	8.2	0.9	<0.05	27.1	5.58	18.0	0.09	<1	0.4	2.6	121	113	
STD OREAS45EA	Standard	0.11	8.6	1.0	<0.05	24.8	5.59	21.5	0.11	<1	0.4	2.9	90	127	
STD OREAS45EA	Standard	0.12	7.5	0.8	<0.05	25.7	5.32	17.5	0.09	<1	0.4	2.5	68	118	
STD OREAS45EA	Standard	0.11	8.0	1.1	<0.05	26.0	5.88	19.2	0.09	<1	0.5	3.0	77	115	
STD SO-18	Standard														495
STD SO-18	Standard														501
STD SO-18	Standard														482
STD SO-18	Standard														483
STD SO-18	Standard														491
STD SO-18	Standard														483
STD SO-18	Standard														492
STD SO-18	Standard														492
STD SO-18	Standard														485
STD SO-18	Standard														493
STD SO-18	Standard														493
STD SO-18	Standard														488

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Project: AKIE
Report Date: August 04, 2014

QUALITY CONTROL REPORT VAN14002294.1

		AQ250 Mo ppm 0.01	AQ250 Cu ppm 0.01	AQ250 Pb ppm 0.01	AQ250 Zn ppm 0.1	AQ250 Ag ppb 2	AQ250 Ni ppm 0.1	AQ250 Co ppm 0.1	AQ250 Mn ppm 1	AQ250 Fe % 0.01	AQ250 As ppm 0.1	AQ250 U ppm 0.05	AQ250 Au ppb 0.2	AQ250 Th ppm 0.1	AQ250 Sr ppm 0.5	AQ250 Cd ppm 0.01	AQ250 Sb ppm 0.02	AQ250 Bi ppm 0.02	AQ250 V ppm 2	AQ250 Ca % 0.01	AQ250 P % 0.001
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD DS10 Expected		14.69	154.61	150.55	370	2020	74.6	12.9	875	2.7188	43.7	2.59	91.9	7.5	67.1	2.49	8.23	11.65	43	1.0625	0.073
STD OREAS45EA Expected		1.39	709	14.3	28.9	260	381	52	400	23.51	9.1	1.73	53	10.7	3.5	0.02	0.2	0.26	303	0.036	0.029
STD SO-18 Expected																					
BLK	Blank	<0.01	0.03	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.05	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	5	<0.1	<0.1	<1	<0.01	<0.1	<0.05	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	6	<0.1	<0.1	<1	<0.01	<0.1	<0.05	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.02	<0.1	7	0.1	<0.1	<1	<0.01	<0.1	<0.05	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.05	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	9	0.2	<0.1	<1	<0.01	<0.1	<0.05	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank																				
BLK	Blank	<0.01	0.01	0.03	<0.1	6	<0.1	<0.1	<1	<0.01	<0.1	<0.05	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank																				
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Project: AKIE
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QUALITY CONTROL REPORT VAN14002294.1

		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.05	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD SO-18	Standard																				
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0259	0.067	0.338	3.32	2.8	5.1	0.29	300	2.3	5.01	4.3	2.63	0.08	0.06
STD OREAS45EA Expected		6.57	849	0.095	148	0.0875		3.13	0.02	0.053		78	0.072	0.036	10	0.63	0.07	11.7	0.63	0.26	0.57
STD SO-18 Expected																					
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.05	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.05	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.05	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.05	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.05	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.05	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank																				
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.05	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank																				
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Project: AKIE
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QUALITY CONTROL REPORT VAN14002294.1

		AQ250 Nb ppm 0.02	AQ250 Rb ppm 0.1	AQ250 Sn ppm 0.1	AQ250 Ta ppm 0.05	AQ250 Zr ppm 0.1	AQ250 Y ppm 0.01	AQ250 Ce ppm 0.1	AQ250 In ppm 0.02	AQ250 Re ppb 1	AQ250 Be ppm 0.1	AQ250 Li ppm 0.1	AQ250 Pd ppb 10	AQ250 Pt ppb 2	LF300 Ba ppm 5
STD SO-18	Standard														488
STD SO-18	Standard														487
STD SO-18	Standard														495
STD SO-18	Standard														499
STD DS10 Expected		1	27.7	1.6		2.8	7.77	37	0.23	50	0.63	19.4	110	191	
STD OREAS45EA Expected		0.06	7.04	0.83		20	5.09	17.7	0.08		0.41	2.37	66	108	
STD SO-18 Expected															515
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	0.3	<0.02	<1	<0.1	<0.1	<10	3	
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	0.2	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	0.2	<0.02	1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	0.2	<0.02	<1	<0.1	<0.1	<10	3	
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	0.2	<0.02	<1	<0.1	<0.1	<10	3	
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.2	0.02	0.2	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank														<5
BLK	Blank	<0.02	<0.1	<0.1	<0.05	0.1	<0.01	0.2	<0.02	<1	<0.1	<0.1	<10	2	
BLK	Blank														<5
BLK	Blank														<5
BLK	Blank														8
BLK	Blank														<5
BLK	Blank														<5
BLK	Blank														<5