Sumac Mines Ltd.

2015 GEOLOGICAL AND GEOCHEMICAL REPORT ON THE CANOPUS PROPERTY

Whitehorse Mining District
NTS 115H/13
61º 48.5' North Latitude
137º 42.0' West Longitude

-prepared for-

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1.0 SUMMARY

In 2015, Sumac Mines Ltd. (Sumac) contracted Equity Exploration Consultants Ltd. (Equity) to manage a geological mapping and geochemical sampling program that focused primarily on the newly staked Canopus South claims, located to the west, south and east of the existing Canopus claims where the majority of previous work on the Canopus Property (Property) has been conducted.

The aim of the field program was to identify and delineate significant mineralization on the Canopus South claims staked in May 2015 by soil sampling, mapping and prospecting in areas where limited or no previous work had been conducted. Previous work on the Property largely focused in on structurally controlled and porphyry mineralization styles at the Lupin, Vole and Sun Showings.

The 2015 the helicopter-supported field program evaluated the newly acquired Canopus South claims with the establishment of two fly camps positioned to allow field crews to conduct sampling work at the Western, Central and Eastern Grids, which were complemented by several ridgeline traverses proximal to the grids.

Results from field program identified several multi element geochemical anomalies in the Western and Eastern grids. The most notable is the West Nose Anomaly, a ~2700 m wide anomalous copper ± gold, silver, barium, bismuth, arsenic, cadmium, molybdenum and zinc trend, and the East Park Anomaly, an eastward extension of the previously identified geochemical anomaly east of the Park and Sun showings.

Although there is certainly potential to discover more mineralization in the Lupin, Vole and Sun areas, the tenor of copper-silver-gold mineralization found to date is fairly low and additional work on the Property should be weighed against the possibility of discovering significant mineralization at the West Nose and East Park anomalies versus further work at Lupin, Vole and Sun.

2.0 INTRODUCTION

This report has been prepared to describe a geological mapping and soil sampling program conducted on the Canopus Property between July 11 and August 3, 2015. The material in this report is a result of this work, which builds upon work documented in previous reports on the Property (Jones, 2011, 2012, 2013, 2014). The author was involved in the planning and execution of the 2015 field program.

3.0 RELIANCE ON OTHER EXPERTS

Other than data gleaned from previous reports on the Property and government geological and geochemical survey reports, the author has not relied upon other experts for the information in this report.

4.0 PROPERTY DESCRIPTION AND LOCATION

The Canopus Property is situated about 30 km northwest of the north end of Aishihik Lake in the southwestern Yukon and is roughly centred at 61° 48' north latitude and 137° 49.0' west longitude (Figure 1).

The Property (Figure 2) consists of two hundred forty seven contiguous quartz mineral claims for a total of 5109 hectares (12,625 acres) in the Whitehorse Mining District of the Yukon, as summarized in Table 1 below.

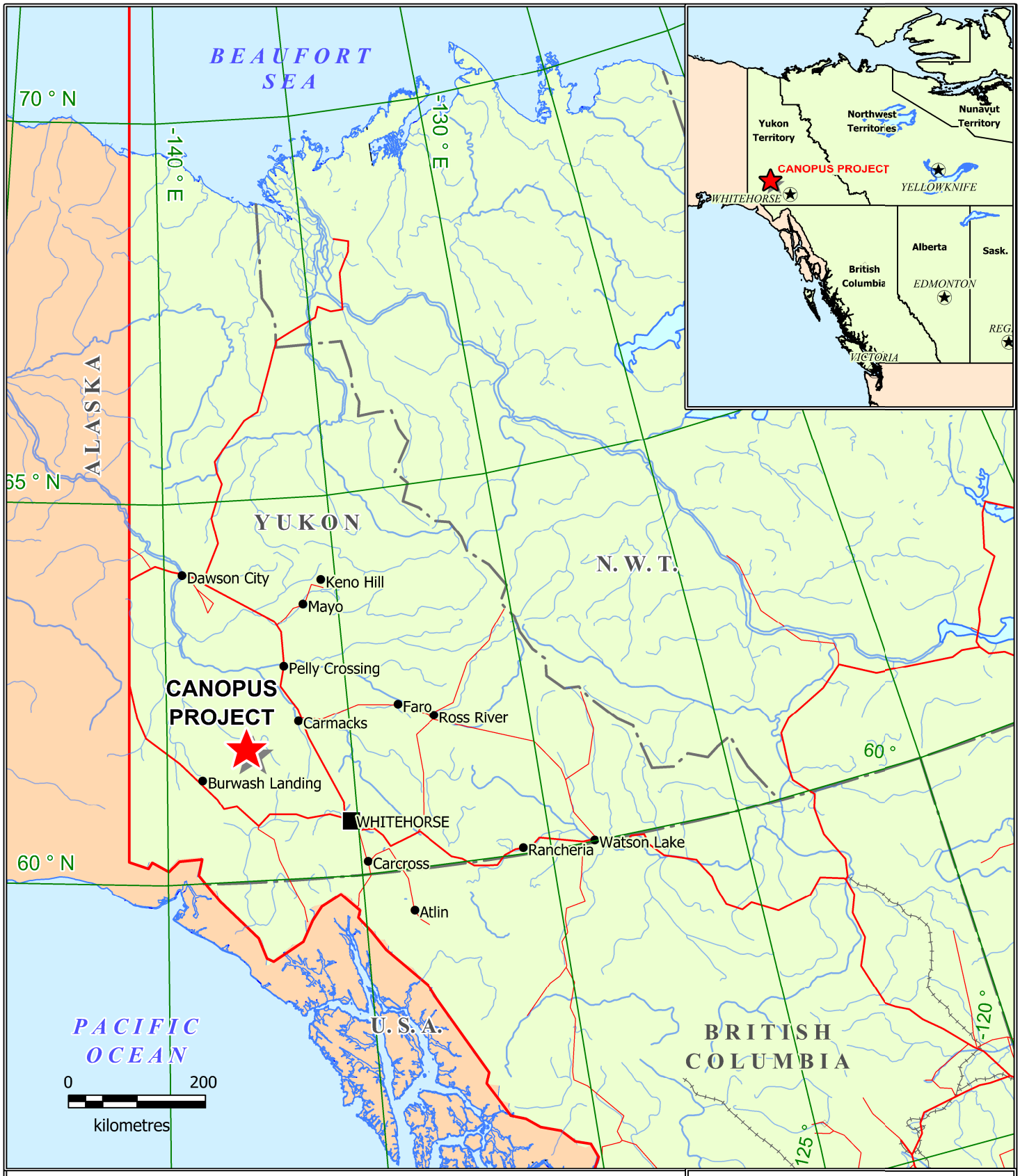
Records indicate that the claims are owned 100% by Sumac Mines Ltd. and Equity Exploration Consultants Ltd. and separate documents indicate that the Equity claims are beneficially held in trust for Sumac Mines Ltd.

Table 1: Claim Data, Canopus Property

Claim Name	Tenure Number	Recorded Owner	Recording Date	Expiry Date
Canopus 1-19	YC79482-500	Sumac Mines Ltd.	July 9, 2008	July 9, 2016
Canopus 20-80	YC82501-561	Sumac Mines Ltd.	July 9, 2008	July 9, 2016
Canopus 81-110	YF31371-400	Equity Exploration	July 23. 2012	July 23, 2016
Canopus 111-128	YF36471-488	Equity Exploration	July 23. 2012	July 23, 2016
Canopus South 1-119	YD03501-619	Sumac Mines Ltd.	May 20, 2015	May 20, 2016

5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE, PHYSIOGRAPHY

The Canopus Property covers ground of moderate relief at the headwaters of Stevens Creek. Elevation ranges from 1060 m on the western margin of the Property to over 1700 m at the top of Atlas Peak in the north-central part of the Property. The Property is about 85 km west from the community of Carmacks, and 80 km to the northeast of Burwash Landing and can be accessed by helicopter from bases in Carmacks or Haines Junction (116 km to the south). The Property is primarily above treeline but the lower and south facing slopes do have growth of black spruce and alders. The Canopus Property has a northern continental climatic regime, with warm, fairly brief summers and long, cold winters. Precipitation is generally moderate. Fieldwork is most efficiently carried out during the summer season, as logistics and access to water are a problem the rest of the year.



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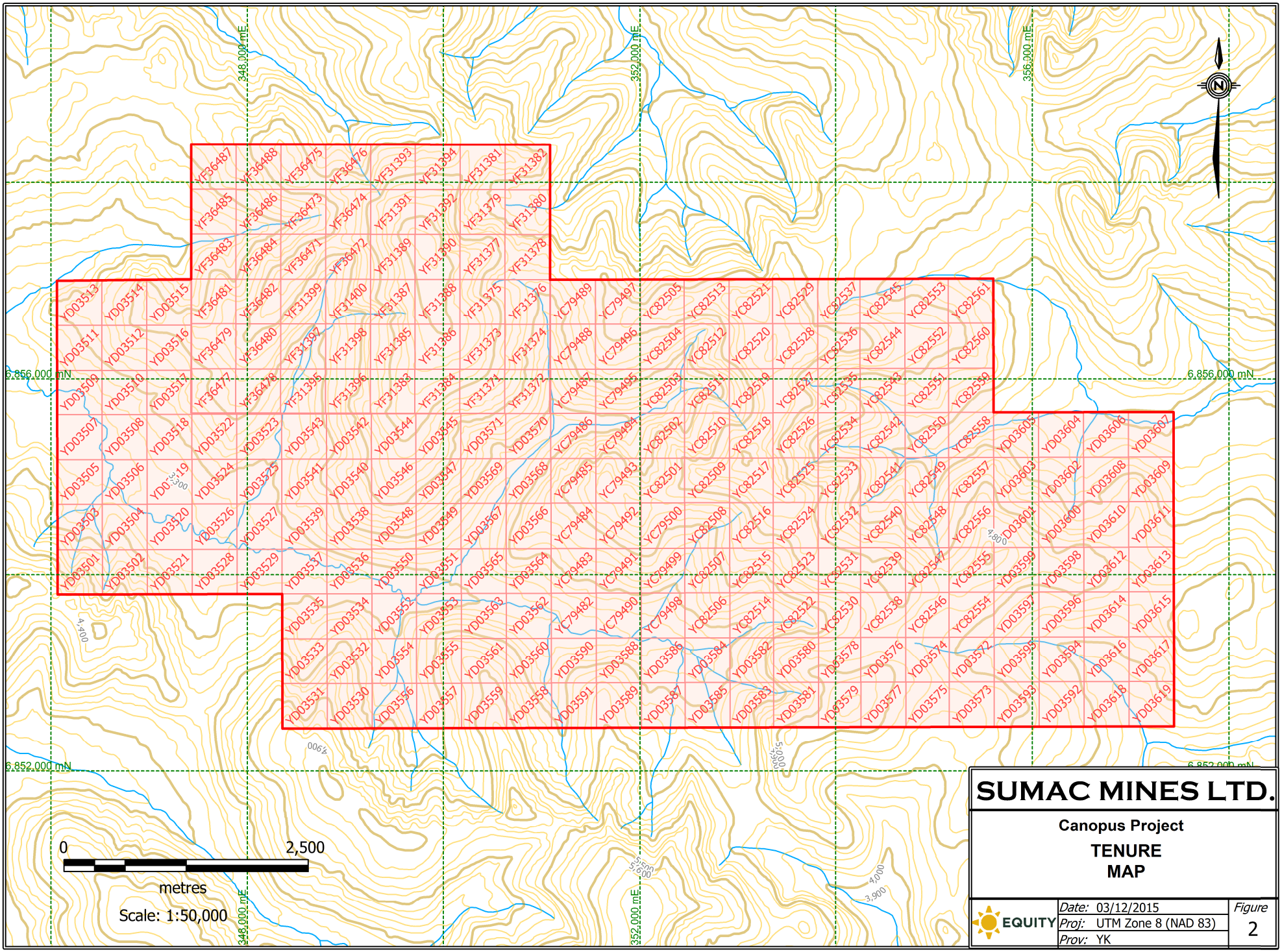
Canopus Project

LOCATION MAP

EQUITY

Date: 03/12/2015	*Figure* 1
Proj: UTM Zone 7/8 (NAD 83)	
Prov: YK	


348,000 mE
352,000 mE
356,000 mE
6,856,000 mN
6,852,000 mN
N
0
2,500
metres
Scale: 1:50,000
SUMAC MINES LTD.
Canopus Project
TENURE
MAP
EQUITY
Date: 03/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure
2

6.0 HISTORY

The area was explored in the 1970s at the height of porphyry copper exploration activities in SW Yukon. MINFILE 115H028 (Stevens) is located on the ridge at the head of the Tilley Creek basin. A now-lapsed claim group was staked in 1970 by Conwest ECL over Cretaceous granodiorite and weakly “gossaned” Tertiary volcanic rocks near the contact with Yukon Tanana metasedimentary rocks. In 2006, geochemical sampling by Pathfinder Minerals (PFM) on behalf of Sumac detected a series of coincident gold-copper-arsenic-silver stream silt anomalies in the upper half of Tilley Creek. Coupled with drainages to the east and west, the Tilley Creek stream silt anomalies comprise a ~13 km^2 exploration target. Samples of first-pass stream silt returned values up to 204 ppm As, 226 ppm Cu, 1.0 ppm Ag, 84 ppb Au, and 474 ppm Zn. The highest magnitude geochemical values occur in two short tributary streams, Lupin Creek and Vole Creek (local designation), near the head of the basin (Internal company report)

In 2007, PFM conducted follow-up prospecting, mapping, and sampling concentrating on Lupin Creek and Vole Creek and surrounding ridges, and the basin to the east, informally named East Creek. In 2008, soil and rock samples were collected at nominal 100 m spacing along ridgeline traverses. Several coherent multi-sample soil anomalies were detected. The Canopus quartz claims were staked at the end of the 2008 field program.

Following claim staking in 2008, exploration on the Property in 2010 consisted of a 100 m x 200 m soil-sampling grid established by PFM over the central portion of the claim block and centered over the Lupin and Vole Creek drainage basins. A total of 191 soil and 63 rock samples were collected from the grid and adjacent areas (Table 2);. The soil survey located a sporadic Cu-Au anomaly and float rock sampling tested skarn mineralization from the Lupin Creek basin and detected Cu-Au mineralization at the Park and Sun Showings. Exploration in 2011 (Jones, 2011) consisted of a 288.3 line km, helicopter-borne transient electromagnetic (EM) and magnetic geophysical survey covering the entire Property, as well as geological mapping, prospecting, and soil sampling focused on the East Creek and Lupin-Vole areas of the Property. A total of 450 soil samples, 92 rock samples and 21 rock chip samples were collected. The soil sample work detailed a large, Cu-Au soil anomaly in the southeast part of the Property, generally associated with the monzonite-granodiorite intrusion. A 28.0 line-km pole-dipole induced polarization (IP) survey on eight north-south, 500 m spaced lines and one cross line, covering most of the Property detected lower resistivity and moderate to high chargeability in the north-central part of the Property, similar to resistivity-conductivity results for the 2011 airborne EM survey. Soil sampling (288 samples) and minor geological mapping and prospecting (15 rock samples) were done on the Property (Jones, 2012), primarily in the area of claims around West Creek (not staked at the time). Mineralization was located at the West Copper Showing, where grab samples returned up to 0.31% Cu, 0.94 g/t Au and 28.7 g/t Ag over 0.30 m.

Table 2: Past Exploration Sample Totals, Canopus Property

Year	Soil	Rock	Silt	Core	Pan Concentrate
2007	58	28	16		3
2008	217	42			
2010	191	63	6		
2011	450	113			
2012	288	15			
2013	126	5		2022	
2014	329	9		2377	
Total	**1659**	**275**	**22**	**4399**	**3**

A ten hole diamond drilling program (for 3728 m) was completed on the Property in 2013 (Jones, 2013) targeting the Lupin Fault Zone. As well, a total of 126 soil samples and five rock samples were submitted,

primarily from the West Canopus area. A small skarn showing, the Nose Showing, is the locus of a small Cu-Au soil anomaly.

In 2014, an nine hole diamond drill program (for 3539 m) was completed on the Property, along with geochemical sampling, geological mapping and an airborne magnetic and radiometric survey (Jones, 2014). An inversion of the 2011 airborne magnetic and EM survey data and a baseline water quality sampling program were also completed during the 2014 field season. Soil sampling in the West Creek area identified a 350 by 300 m area around the Nose Showing with very highly anomalous gold values and also a zinc-silver-lead-arsenic-barium anomaly about 750 m north of the Nose Showing over a 300 by 400 m area at the contact between dark and calcareous quartzite is cut by a dacite dyke.

6.1 2015 Exploration Program

In 2015, Equity carried out geological and geochemical fieldwork on the Canopus Property and in its immediate vicinity under contract to Sumac. Fieldwork was based out of fly camps on the Property with helicopter support. A magnetic declination of 21.5° east was used for all measurements and maps use the NAD-83 datum.

Geological mapping, prospecting and soil sampling were conducted primarily on newly acquired claims to the south, west and east of the Property, as well as across the ridge south of Atlas Peak between West Creek and Tilley Creek. A total of 80 rock samples and 967 soil samples (including 18 blanks and 20 duplicates) were collected on the Property or proximal to its boundary. Soil sampling was focused in three general areas denoted the Western, Central and Eastern grids, but also include ridgeline traverses. Results of the soil sampling program are described in Section 9. A summary of mapping and rock sampling are detailed in Sections 8 and 9, respectively.

All soil sample sites were marked in the field with orange flagging tape and a Tyvek tag with the sample number written on it; rock sample sites were indicated in the field by a combination of blue and pink flagging and sample information (sample number, type, date and sampler's initials) was written on an aluminum tag. Locations for rock and soil samples were recorded in a hand-help GPS and by hand in a field notebook along with observations about the physical properties of the sample and its site. For soil samples, approximately 500 g of material was taken from the upper portion of the B-horizon, where possible, and placed in a paper Kraft bag. Similar to sampling in 2013 and 2014, loess commonly inundated the surface soil profile. Mattocks and shovels were able to reach and sample beneath the loess cover in most situations. Where it was not possible to avoid the loess, no sample was taken.

All rock and soil samples were submitted to the ALS Minerals Division prep facility in Whitehorse, Yukon and analysed by ALS Minerals at their North Vancouver lab for gold (30 g aliquot) by FA-AA (fire assay-atomic absorption) and for 35 elements by ICP-AES (inductively coupled plasma-atomic emission spectroscopy). Rock sample descriptions can be found in Appendix C and analytical certificates for both rocks and soils can be found in Appendix D. A discussion of the quality control and quality assurance program is included in Appendix E.

7.0 REGIONAL GEOLOGY AND MINERALIZATION

The regional geology of the Aishihik Lake-Kluane Lake area of the southwestern Yukon (Figure 3) is depicted in a compilation by Gordey and Makepeace (1999) primarily based on earlier 1:250,000 scale regional geological mapping. More recently, the local geology has been summarized by Israel and Westberg (Israel et al., 2011b; 2011; 2012). The main geological elements of the area are the Yukon-Tanana Terrane, the Kluane Schist, a gneissic unit of unknown affinity, intrusions of the Ruby Range Batholith, and younger volcanic rocks of the Rhyolite Creek volcano-plutonic Complex.

The Yukon-Tanana Terrane occupies the highest structural level in the area, overlying the Ruby Range Batholith, but is probably the oldest unit. Ages of 351 to 343 Ma reported from meta-igneous rocks provide a minimum age constraint. The terrane consists of psammitic schist, quartzite, marble, garnet amphibolite and rare meta-plutonic rocks. Locally, the quartzite and schist units are carbonaceous and contain minor carbonate layers. In the east, the Yukon-Tanana rocks are more strongly metamorphosed in the aureole of the Aishihik Batholith. The rocks in the east area are dominantly schist with carbonaceous quartzite and garnet amphibolite.

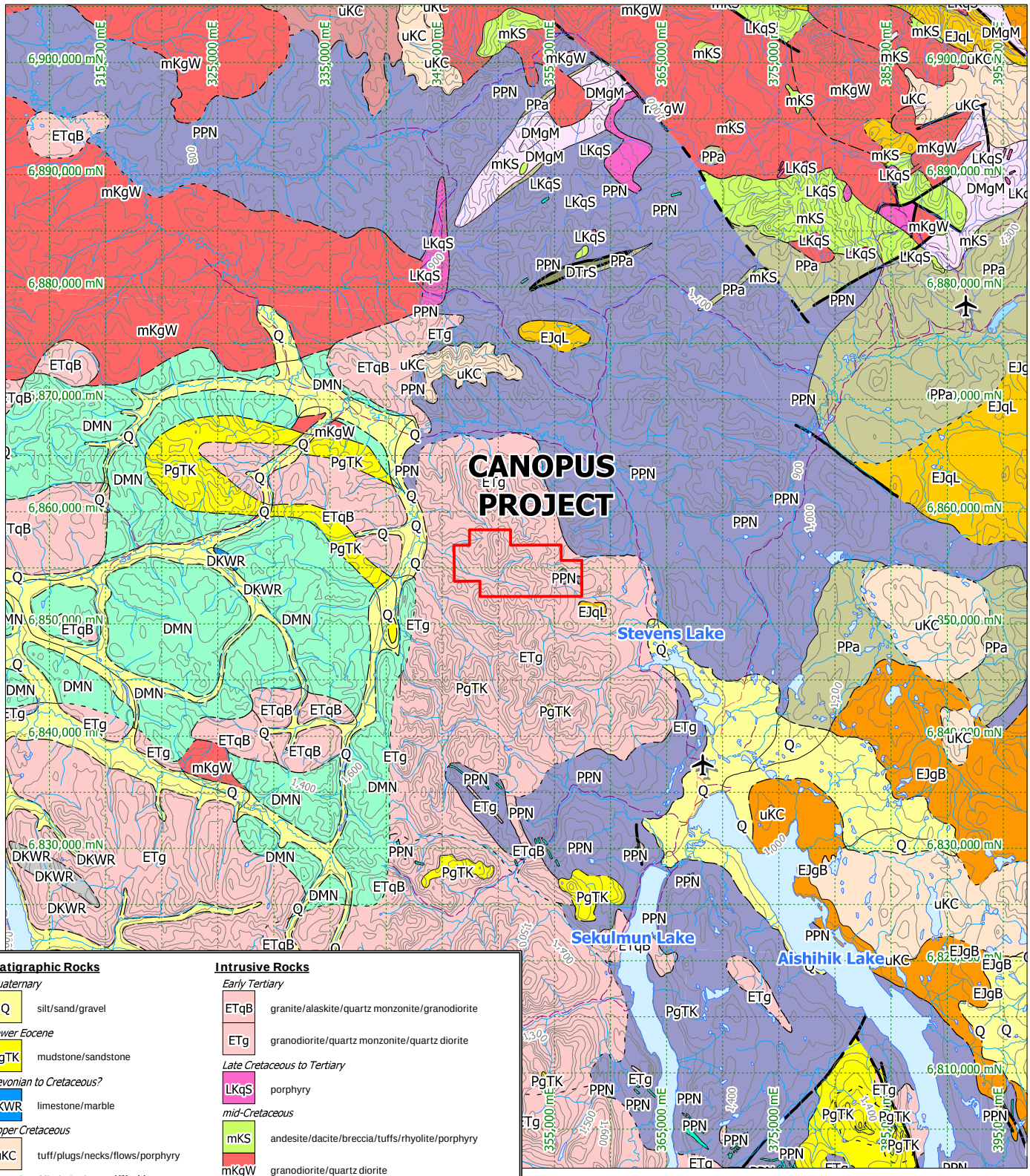
The Kluane Schist unit represents metamorphic rocks that primarily lie between the Denali Fault and the Ruby Range Batholith. The age of the unit is poorly constrained but is thought to be younger than ~95 Ma and older than ~82 Ma (Israel et al., 2011a). The Kluane Schist comprises monotonous meta-pelitic quartz-mica schist, separable into quartz-muscovite schist lying between two layers of quartz-biotite schist, with rare bodies of ultramafic and carbonate rocks. The schist is variably carbonaceous, increasing to the northwest. Quartz veining is ubiquitous in the schist and garnet and feldspar porphyroblasts occur locally.

The gneissic unit occurs structurally between the Kluane Schist and the Yukon-Tanana rocks and lies along the lower contact of the Ruby Range Batholith. It is fine to medium grained and banded with darker layers of biotite-hornblende and lighter layers of plagioclase-quartz-potassium feldspar-biotite and appears to be igneous in origin. This unit is not constrained by age dates.

Table 3: Stratigraphy of the Nisling and Ruby Ranges Area (after Israel et al, 2011b)

Age/Unit	Description
PALEOCENE	
Rhyolite Creek Complex (RCC) (ca 57 Ma)	Volcanic rocks; light grey to green intermediate to felsic flows, tuff, local breccia Plutonic rocks; light grey to purple quartz, feldspar porphyry, thin dykes to large intrusive bodies
Ruby Range Batholith (ca. 64-57 Ma)	Fine to coarse grained, salt and pepper, hornblende+/-biotite, quartz diorite; medium-grained light grey to pink biotite+/-hornblende granodiorite; fine to medium-grained beige to grey tonalite; pinkish grey biotite granite
LATE CRETACEOUS	
Kluane Schist	Dark grey to black, fine grained quart-biotite schist and light to dark grey, fine grained, quartz-muscovite schist, variably carbonaceous, rare carbonate lenses
LATE CRETACEOUS OR OLDER	
Gneiss	Beige to orange to grey-black, medium to coarse grained orthogneiss, abundant garnet up to 2 cm, age uncertain
UPPER DEVONIAN AND OLDER	
Yukon-Tanana Terrane Finlayson Assemblage	Poly-deformed and metamorphosed mafic to felsic metavolcanic rocks, carbonaceous pelite, quartzite and psammite, quartz-muscovite schist, light grey to beige marble, rare meta-plutonic rocks; garnet common
Snowcap Assemblage	Poly-deformed and metamorphosed quartzite, psammite, pelite and marble, minor garnet amphibolite, quartz-muscovite schist, rare meta-plutonic rocks

The Ruby Range Batholith is a large plutonic complex stretching roughly east-west between Aishihik Lake and Talbot Arm of Kluane Lake. The designation includes smaller, similar intrusions away from the main body. The batholith is composed of quartz-diorite, tonalite and granodiorite with lesser diorite, gabbro and granite. The batholith appears to be tilted on its side with its top to the north. The base of the batholith is characterized by locally strongly foliated quartz-diorite and the complex becomes more felsic and undeformed towards the top. The upper part of the batholith is texturally and compositionally variable. The batholith is locally cut by post-tectonic intrusions of indeterminate age. Magnetite occurs locally in most compositional phases. The age of the Ruby Range Batholith ranges from ~64 Ma near the base to 57 Ma in the more felsic



Stratigraphic Rocks

Quaternary
- Q — silt/sand/gravel

Lower Eocene
- PgTK — mudstone/sandstone

Devonian to Cretaceous?
- DKWR — limestone/marble

Upper Cretaceous
- uKC — tuff/plugs/necks/flows/porphyry

Devonian, Mississippian and(?) older
- DMN — quartzite/qt-ms-schist

Proterozoic and Paleozoic
- PPN — marble
- PPa — cl-bi-schist/amphibolite

Intrusive Rocks

Early Tertiary
- ETqB — granite/alaskite/quartz monzonite/granodiorite
- ETg — granodiorite/quartz monzonite/quartz diorite

Late Cretaceous to Tertiary
- LKqS — porphyry

mid-Cretaceous
- mKS — andesite/dacite/breccia/tuffs/rhyolite/porphyry
- mKgW — granodiorite/quartz diorite

Early Jurassic
- EJgB — granodiorite/diorite/monzodiorite
- EJqL — quartz monzonite/granite/aplite/pegmatite

Carboniferous and Permian
- DTrS — dunite/peridotite/harzburgite/diabase/serpentinite

Late Devonian to Mississippian
- DMgM — orthogneiss

Proterozoic to Mesozoic
- m — cd-st-hornfels/qt-se-cl-schist

From: Gordey, S.P. and Makepeace, A.J. (comp.) 1999

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Canopus Project

Regional Geology MAP

EQUITY

Date: 03/12/2015	*Figure* 3
Proj: UTM Zone 8 (NAD 83)	
Prov: YK	

and coarse-grained phases near the top of the complex. However, local dates suggest portions of the complex may be as old as 71 Ma (Israel et al., 2011a)

The RCC is the youngest, porphyritic phase of the Ruby Range Batholith and its volcanic equivalents and represents the youngest rocks in the area. The complex includes both intrusive and extrusive rocks. The volcanic rocks are intermediate to felsic flows, breccias and tuffs. The felsic volcanic rocks are normally associated with purple to beige weathering, quartz and feldspar porphyritic intrusions and dome structures. Age dating has pegged these rocks at ~57 Ma.

Structural relationships indicate south-westward thrusting of the Yukon-Tanana Terrane over the Kluane Schist with syn- to post-deformation intrusion of the Ruby Range Batholith.

Known mineralization in the region of the Canopus Property consists of two main styles: porphyry-epithermal and orogenic gold mineralization as seen in several occurrences throughout the area (Israel et al., 2011b).The upper level of the Ruby Range Batholith appears most prospective for Cu-Mo-Au porphyry and Au-Ag epithermal mineralization. Orogenic gold occurrences are concentrated within the Kluane Schist.

8.0 PROPERTY GEOLOGY AND MINERALIZATION

The geology of the Canopus Property (Figure 4) features an older core area of Finlayson Assemblage quartzite and schist units of the Yukon-Tanana Terrane that are intruded primarily in the southeast by monzonite to granodiorite intrusions of the Ruby Range Batholith, which are in turn overlain or cut by dacitic volcanic and intrusive rocks of the RCC, particularly in the central and south parts of the Property.

The Yukon-Tanana rocks consist of micaceous quartzite (**QRTZ**) that varies in appearance and composition. To a certain extent, the rocks of this section, described below, intermingle and there is some overlap of their descriptions and designations. Biotite-muscovite quartzite occurs in the eastern part of the Property, probably regional unit PDS (Israel and Westburg, 2011), roughly surrounding a unit of dark quartzite that outcrops in East and Upper Tilley Creeks. The biotite-muscovite quartzite is schistose (**SCHS**) commonly and contains crude layering based on the proportion of biotite (i.e. colour index). Contact thermal metamorphic effects are commonly observed in these rocks such as fine-grained biotite and “spotted” appearance due to porphyroblast development.

Dark quartzite (dk**QRTZ**) outcrops primarily in the west and northeast portions of the Property but is found interspersed throughout the meta-sedimentary section and is weakly carbonaceous, although graphite was not identified commonly. The rock consists of laminated, light to dark grey to black quartzite, with minor massive biotite-rich layers. Weak silicification and trace to a couple percent disseminated pyrite and pyrrhotite are common. The sulphides are locally concentrated along foliation as wisps and lenses and tend to give the rock gossanous weathering, particularly in proximity to the Ruby Range Batholith.

The northeast part of the Property is underlain by a generally less schistose and more phyllitic, lighter coloured quartzite unit. This unit is generally interlayered, with lighter and darker layers dependent on biotite content (**BI QRTZ**). Fine-grained biotite, typical of hornfels, commonly gives the rock a brown to mauve colour on fresh surfaces. Locally, biotite veinlets and biotite in quartz veins may suggest some remobilization (Plate 1). The rock is also commonly fractured and it is brecciated locally. Quartz veining is ubiquitous forming lensy (boudinaged?) and deformed, “older” veins sub-parallel to the foliation but also planar veinlets with bleached envelopes.

The quartzite section contains layers of calc-silicate-rich quartzite (ca **QRTZ**) that outcrop along the ridge top in the centre of the Property and in the West Canopus area. Lenses of marble (**MRBL**) and skarn (**SKRN**) are found within the section, primarily associated with the calc-silicate-rich quartzite in the Lupin Showing area, but mostly observed in the drillholes. Marble is commonly foliated but consists of medium to coarse-grained calcite with minor impurities concentrated in narrow layers (partings?). The skarn is generally not foliated and probably results from alteration of limestone and/or calcareous quartzite within the thermal aureole of the monzonite-granodiorite intrusion. The skarn mineralogy consists of massive pyroxene (amphibole?) with chlorite, local zones of brown garnet and trace to 20% pyrrhotite/pyrite, locally containing minor disseminated chalcopyrite and wisps to lenses of magnetite. Wollastonite and/or tremolite have been noted locally as well.

The dark quartzite, biotite quartzite and calcareous quartzite units are likely part of the Devono-Mississipian Finlayson Assemblage (Israel and Westburg, 2012). The rocks at the eastern boundary of the Canopus Property appear to be part of the Devonian Snowcap Assemblage (Israel et al., 2011a). However, there are a number of similarities between the Finlayson and Snowcap assemblages making it difficult to distinguish between the two in the mapping on the Canopus Property.

A rhyolite dyke was encountered locally in drilling in the East Canopus area. The dyke appears to be early, as it is strongly fractured and altered and locally has a strong foliation fabric (not flow banding?). Deformation of the dyke indicates that it likely pre-date the Ruby Range Batholith, although perhaps not by much given the possible overlap of deformation with the intrusion of the Ruby Range Batholith (Israel et al., 2011b).

Plate 1: Biotite hornfels quartzite cut by irregular quartz-biotite veinlets with bleached envelopes, drillhole CAN13-01, 352-356 m depth.

The Ruby Range Batholith outcrops primarily in the southeast half of the Property and to the north of the Property and varies in composition from monzodiorite (**MNDR**) to monzonite (**MNZN)** to granodiorite (**GRDR**) (Plate 2). Dykes and plugs of monzonite commonly cut through the quartzite units providing evidence of shallow subsurface presence of the intrusion. Commonly, the orientation of dykes and foliation within monzonite bodies is north-northwest, which is also apparent in the airborne magnetics data. Overall, there is not a large variation in the mineralogy and textures of the main body. Monzonite or biotite monzonite is characterized by abundant plagioclase feldspar phenocrysts (20-75%), commonly with up to 10% biotite and hornblende phenocrysts as well. The relatively fine-grained groundmass generally consists of potassium feldspar with up to 10% quartz. The monzonite is not magnetic where observed. The granodiorite, which mostly occurs south of the major magnetic break on the Property, has similar mineralogy to the monzonite but with more quartz (up to 20% locally) plus 2-3% magnetite and it is more equigranular (Jones, 2014).

The RCC consists of intermediate feldspar porphyry (**FSPO**), feldspar-quartz porphyry (**FQPO**), dacite to rhyolite (**DACT, RHYL**) dykes, sills and, possibly, flows. These rocks outcrop throughout the Property but do

seem to focus in steeply dipping, roughly north-south corridors commonly forming topographic highs, such as the divide between East and Tilley Creeks, the ridge west of Vole Creek, and the large ridge on the east slope of West Creek. The north-south orientation is mirrored by a linear, “ribbed” pattern in the 2014 airborne magnetic survey (Jones, 2014). The RCC dykes commonly have a fine grained, chalky to buff coloured groundmass with variable plagioclase phenocrysts and locally quartz phenocrysts. The quartz phenocrysts are typically bi-pyramidal. Dacite is commonly spherulitic and weathers to form characteristic flaggy and wavy, “corn flake” boulders.

Plate 2: Typical monzonite intrusion on the Canopus Property, south of the Vole Showing.

Numerous late, also north-trending dykes occur on the Property. In general, these are intermediate (**INTM**) to mafic (**MAFC**) composition and light to dark green. Feldspar phenocrysts are normally present and commonly form a glomeroporphyritic texture. A large dyke has been mapped in the north part of the Property, described as andesite and porphyritic basalt. The intermediate dykes may be part of the RCC but the mafic dykes are a later phase having little in the way of alteration or fracturing.

The predominant structural fabric in the metamorphic units is defined by compositional layering (S_1) and isoclinal folding, with flat, northerly trending hinge lines (Plate 3; Figure 5) related to the southwest thrusting of the Yukon-Tanana Terrane over the Kluane Schist (Israel et al., 2011b). Dips are generally shallow and wavy, locally moderate to steep, and this results in a wide variation in measured strike. The variability can also be attributed to shifting of the various rafts of schist and quartzite during intrusion of the Ruby Range Batholith and the RCC. S_1 measured in the Vole Creek area tends to show a moderate easterly dip, possibly influenced by the faulting in this area. Overall, the units trend shallowly downwards to the north and east. Locally, there is evidence of later, fairly open folds that have a subvertical, roughly 025° oriented axial plane. This orientation is also shared by a few shear/fracture zones and late dykes noted in the course of mapping (Jones, 2014).

Faults are especially evident in drill core, although the rocks on the Property are extremely fractured in general, possibly leading to an over-estimation of faulting. North-northwest trending faults, seen on Israel and Westberg’s map are common and these locally offset the intrusion contact and host monzonite apophyses and late dykes. A large magnetic lineament strikes west-northwest across the Property from the southeast corner to the south part of the West Canopus claims (Jones, 2011). This appears to coincide with a down drop of the upper contact Ruby Range Batholith to the north. In addition, a number of bodies with remanent magnetism

occur on the north side of this lineament, although remanent magnetism is also present in more scattered bodies to the south. Inversion modelling of the 2011 airborne survey has indicated a couple significant breaks in the local geology that are not obvious from mapping, including a north-northeast striking lineament that trends from the area of the 2014 camp to the divide between Tilley and East creeks (Jones, 2014).

To date, two significant styles of mineralization have been identified on the Canopus Property; fracture/shear controlled copper-gold silver mineralization hosted in quartzite and monzonite and gold-bismuth±copper skarn mineralization occurring in pyroxene-garnet skarn pods within the calcareous quartzite units. Surface mineralization occurs in several areas of the Canopus Property including the Vole Showing, a roughly 30 m wide, north-northwest trending, steeply dipping shear-fracture-breccia zone, the Lupin Showing, a shallow dipping, hedenbergite-garnet skarn that contains variable pyrrhotite and chalcopyrite, including pods of massive sulphides very locally, and the West Copper Showing, a 5 m wide exposure of highly fractured, weakly chalcopyrite-mineralized, quartzite at the contact with a northwest trending feldspar-quartz porphyry dyke. All three of these showings contain copper mineralization as well as elevated values for gold, silver and, locally, molybdenum. These three occur in the central to west part of the Property (Jones, 2012) and are hosted in dark and calcareous quartzite of the Finlayson Assemblage. Located in the West Canopus area, the Nose Showing is a garnet-pyroxene-pyrrhotite skarn within calcareous quartzite with significant gold values but low copper and silver. Similar in style to the West Copper Showing is the Atlas Showing, located 800 m south of the West Copper showing and 1100 m east of the Nose Showing across the West Creek valley. The Atlas Showing is a roughly 5 x 10 m area with localized dark quartzite boulders exhibiting contact relationships with rhyolite/dacite and hosting malachite along fractures with rare finely disseminated chalcopyrite. The Sun and Park showings in the east part of the Property are hosted within monzonite-granodiorite and consist of widely spaced shears and fractures with chalcopyrite, pyrite and, locally, molybdenite.

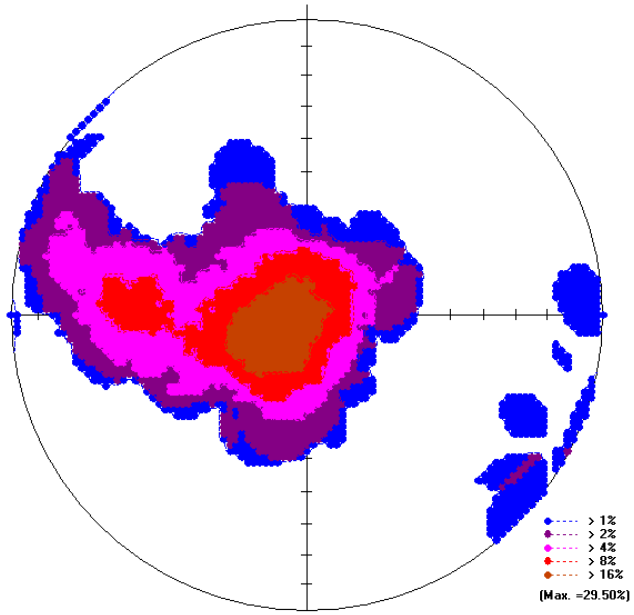


Figure 5: Equal Area, lower hemisphere, stereonet plot showing density of poles to planes for all S1 and foliation measurements from oriented core in 2013 and 2014. The plot shows a concentration near the centre of the stereonet representing more or less flat lying layering and foliation with gentle dips, primarily to the east, typical of the dominant regional deformation regime. A smaller cluster from the Vole Creek area representing roughly north-south strike and moderate easterly dip occurs as part of a trend indicating steepening, possibly due to faulting or folding typical of late compression in the area (Israel and Westburg, 2011). The lack of measurements corresponding to the west dipping limbs of the folds is notable. Plot comprises 139 measurements.

Drilling in 2013 (Jones, 2013) and 2014 (Jones, 2014) intersected significant fracture-controlled chalcopyrite and pyrite veins in faulted quartzite in the Lupin Creek area, including the Lupin Fault Mineralized Zone. The mineralized structures appear to be oriented primarily north-south, mostly dipping moderately to steeply west but also locally dipping steeply east. Figure 6 shows gridded density plots of poles to planes

measured on oriented core from the 2013 and 2014 drilling. Structures hosting sulphide mineralization (Figure 6b) show a concentration close to a north-south strike whereas the attitude for all vein/fracture data (mineralized and not) in Figure 6a shows a large cluster with similar average north-south orientation but much more scatter. There is a smaller bulls-eye near the centre of the stereonet in Figure 6a, depicting flat lying to shallow dipping veins, similar to the distribution of foliation and compositional layering (S_1). This reflects the presence of older veins that have been deformed and/or dragged into an orientation sub-parallel to the enclosing, primarily shallow dipping, host-rock fabrics. The steeper veins/fractures related to mineralization are later and have not apparently been significantly deformed (Jones, 2014).

Showings and significant drill results on the Canopus Property are associated with areas of low total magnetic intensity (TMI) on the north side of a strong west-northwest trending magnetic lineament outlined by the 2011 airborne geophysical survey (Jones, 2011). However, image processing of the 2011 airborne survey in 2014 (Core, 2014b) has shown that the magnetic lows in fact contain rocks with remanent magnetism, resulting in relative magnetic highs. The remanent magnetism indicates a much less straightforward interpretation of the areas associated with mineralization i.e. mineralized zones may not simply be associated with magnetite destruction. For example, the trace of the Lupin Fault mineralized zone is associated with a narrow magnetic high rather than a magnetic low as previously thought. The cause of this relatively high magnetic trend may be the presence of dykes in the structure.

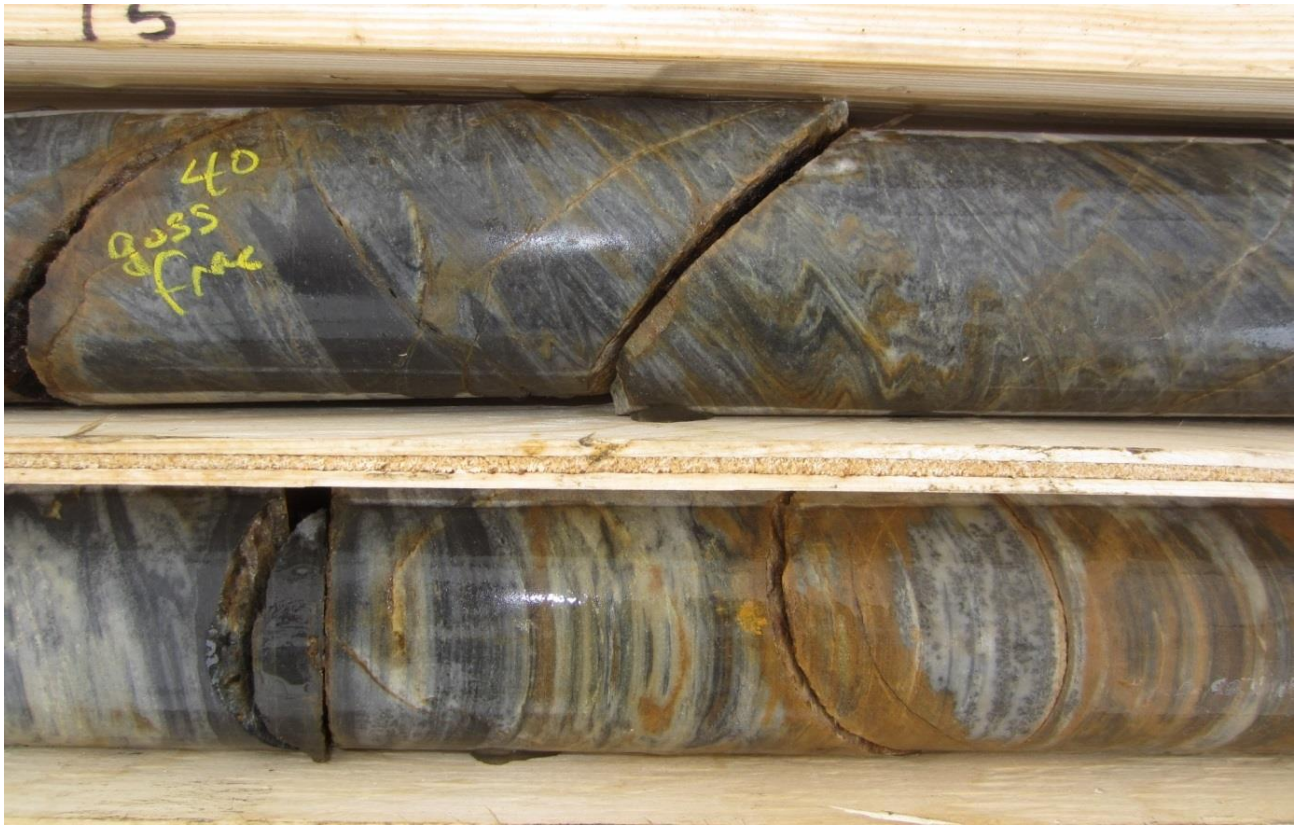


Plate 3: Tight minor folds in quartzite in the Vole Showing area, drill hole CAN13-09. Isoclinal and flat-lying folds are common in the area.

a) *b)*

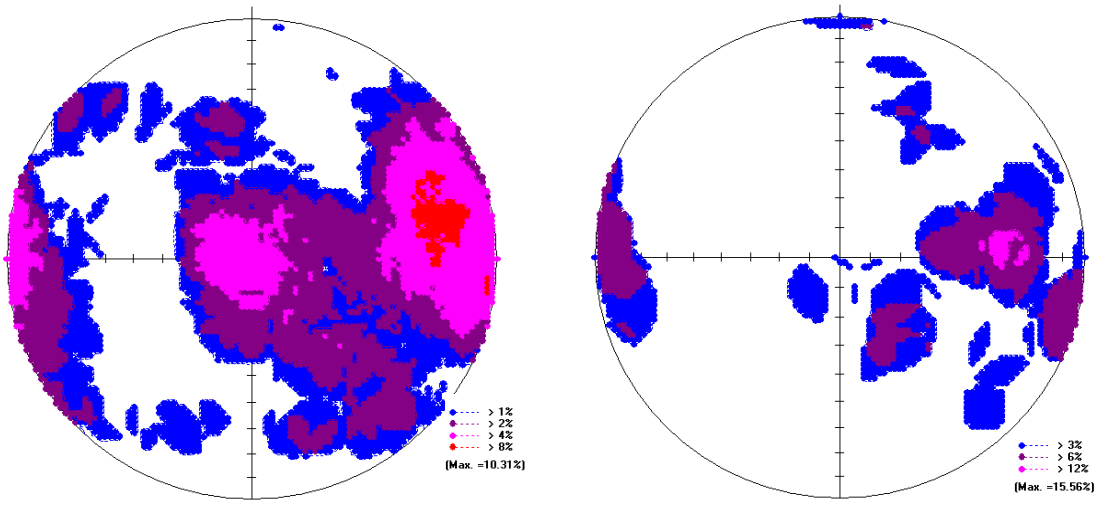


Figure 6: Equal Area stereonet poles to planes density plot (lower hemisphere) of vein and fracture measurements from oriented core in 2013 and 2014. Figure 6a shows all veins and fractures that were measured whereas the plot in 6b shows only structures (veins, fractures, breccias, faults) that hosted sulphide mineralization as part of the structure i.e. represents mineralized veins as opposed to veins hosting sulphides in late fractures. 6a shows two main clusters; the first is made up of structures loosely striking north-south to north-northwest, dipping moderately to steeply west and steeply east, and a second concentration near the centre of the net represents shallow dipping, "older" (transformed?) veins, roughly parallel to foliation (see Figure 5). The mineralized structures in 6b clearly represent a narrower sub-set of north-south striking structures, with moderately west to steeply west or east dipping structures. There is also a small sub-set of shallow to moderate northwest dipping structures evident from the cluster of poles in the southeast quadrant of 6b. The plot for 6a comprises 223 measurements and plot for 6b comprises 45 measurements.

8.1 2015 Surface Exploration Program

Geological and geochemical work in 2015 was mainly done on the newly acquired Canopus South claims, as well as on the northeast and western portion of the original Canopus claims. Two fly camps were used during the program; the first was located on East Creek along the northern property boundary and the second was situated downstream of the Whitney and Tilley Creek confluence. Ten days and 43 person days were spent at the East Creek Camp while 13 days and 55 person days were spent at the Whitney Creek Camp.

8.1.1 Canopus East Area

In addition to soil sampling, two days of geological mapping were conducted in the East Canopus area with one traverse in the East Park Valley and one traverse in the northeast corner of the original Canopus claims along Bore Ridge.

Mapping to the northwest of East Creek Camp along Bore Ridge encountered south-southeast trending, westerly dipping monzonite outcrops amongst scattered granodiorite and feldspar porphyry float, grading into biotite and dark quartzite along the ridge east of North Lupin Peak. Towards the peak, RCC rocks begin to dominate with minor quartzite noted in float.

Mapping in the East Park Valley was limited to the north-south ridgeline immediately southeast of the East Creek Camp and continuing along the saddle towards East Park Peak. Along the north-south ridge, monzonite, granodiorite and feldspar porphyry rocks were noted, commonly appearing to have a north-northwest trend in talus and float. In addition, narrow intermediate dykes were encountered in float with similar apparent northwest orientation. Traversing towards East Park Peak, biotite-quartzite is more prevalent with localized gossanous quartz-sericite-pyrite alteration encountered along the ridge with one sample (Q930006) returning 1700 ppm Cu.

Additionally, during one day spent examining drill core from the 2013 program, previously undetected localized blebby chalcopyrite mineralization was observed at the bottom of CAN13-06 in the last box of the hole (approximately 254 m depth), despite most of the hole being barren of significant alteration and mineralization. Although the hole, drilled to test the geology across the regional magnetic break below the Park showing, did not cut significant mineralization or alteration, the presence of blebby chalcopyrite on the south side of the magnetic break is notable and may be an indication of other mineralized bodies nearby.

8.1.2 South Canopus

In addition to soil sampling, six days were spent mapping the geology in the Canopus South claims. Mapping in this area was mainly completed south of Whitney Creek along the north-south oriented ridgelines. One geological traverse was conducted while soil sampling the southernmost grid line from the Eastern Grid to the Central Grid and another was completed in conjunction with soil sampling the snaking ridgeline traverse over South Park Peak.

Mapping in 2015 discovered that large swaths of previously denoted intrusive rocks of the Ruby Range Batholith in the Canopus South claims area are predominately RCC rocks. Minor rafts or windows of Ruby Range monzonite are locally exposed in areas dominated by RCC rocks. Interpretation of the 2014 airborne K radiometric data appears to correlate well with areas mapped as RCC rocks, even locally at outcrop scale; however determining the 'bedrock' boundaries of units is difficult due to downslope movement of talus.

No significant mineralization was found in the course of mapping this area. A few traces of molybdenite hosted in quartz veins cutting float boulders of quartzite (Q930012 and Q930014) and trace chalcopyrite and malachite on fracture surfaces in a gossanous quartzite boulder (Q930016) were noted and sampled south of the current claim boundary.

8.1.3 Central Canopus

Three days of mapping were completed in the area between West Creek and Tilley Creek and on the ridge between Whitney and Tilley Creek. Sparse outcrop in the area precludes detailed determination of the geology, though again interpretation of the 2014 K radiometric data appears to correlate well with areas mapped as RCC, particularly northeast of the Whitney Creek-Tilley Creek confluence.

Previous interpretation along the north-south regional fault cutting the west side of the ridge between West Creek and Tilley Creek had defined the contact between Ruby Range rocks to the west from RCC rocks to the east. However, two traverses following the fault trace indicated RCC rocks were ubiquitous west of the fault trace with minor rafts of monzonite encountered, though this may be due to abundant float material and a lack of outcrop. Monzonite is locally sheared with weak to moderate sericite and chlorite in float and one subcrop exposure exhibited foliation paralleling the fault and dipping somewhat steeply to the east.

Moderate copper mineralization was discovered at the Atlas Showing (Q930023-26), a localized area of Finlayson Assemblage dark quartzite float boulders hosting malachite and trace chalcopyrite along fractures. One boulder sampled exhibits RCC rhyolite/dacite in contact with quartzite, with finely disseminated chalcopyrite in quartzite proximal to the contact. Interestingly, the Atlas Showing is located proximal to the intersection of the mapped north-south fault and the regional magnetic break.

8.1.4 West Canopus

In addition to soil sampling, one full day and one partial day in conjunction with soil sampling were spent mapping in the West Canopus area along the Titan Ridge and the slope immediately to the northeast of Titan Ridge, respectively.

Mapping along Titan Ridge confirmed previous work in the area, identifying Ruby Range monzonite to the northwest in contact with Finlayson Assemblage dark quartzite to the southeast, with a minor raft of rhyolite located between the two Titan Ridge peaks. Localized occurrences of calcareous quartzite and feldspar-hornblende porphyry were encountered near the monzonite-dark quartzite contact; one rock sample taken from gossanous, strongly chlorite altered float returned 0.11 g/t Au and 683 ppm Cu (Q930019). Additionally, monzonite float was mapped along the northeast facing slope below Titan Ridge and corresponds well with highs from the 2014 airborne magnetics.

9.0 GEOCHEMISTRY

9.1 Soil Geochemistry

Soil sampling was done mainly on the Canopus South claims and was focused in three general areas denoted the Western, Central and Eastern grids. A total of 967 samples (including blanks and duplicates) were collected over the course of the project. Soil sample locations are shown on Figure 7a and geochemical results are shown on Figures 7b-k with complete analytical results found in Appendix D.

The East Creek Camp was established to sample the Eastern Grid, comprised of east-west oriented grid lines spaced 200 m apart with 100 m sample spacing. The two most southern lines of the East Grid Area are spaced 400 m apart and extend to the west for approximately 4 km and continue onto the Central Grid. Additionally, twenty-eight samples were collected at 100 m sample spacing during one ridgeline traverse over South Park Peak, while a second ridgeline was completed over Atlas Peak with 42 samples collected at 100 m sample spacing. A total of 381 soil samples, including duplicates, were collected from the Eastern Grid and the two ridge line traverses.

The Whitney Creek Camp was established in the middle of the Central Grid and also acted as a base for sampling of the Western Grid. West Creek separates the Western and Central grids, which both consist of east-west oriented lines spaced 200 m apart with 100 m sample spacing. Ridgeline sampling traverses with 100 m sample spacing were completed along three ridges crossing the southern boundary of the Property. An additional ridgeline traverse was completed immediately to the southwest of the claim boundary along the Titan Ridge with 100 m sample spacing. A total of 567 soil samples, including duplicates, were collected from the Western Grid, Central Grid and the four ridge lines.

9.1.1 Soil Geochemical Results

For the purposes of this discussion, results are compared to all soils taken in the Western Canada Compilation area and categorized as: very highly anomalous if >98th percentile, highly anomalous if >95th percentile, moderately anomalous if >85th percentile and weakly anomalous if >70th percentile.

Table 4: Canopus Property Area Soil Sample Percentiles

	Au (ppm)	Ag (ppm)	As (ppm)	Bi (ppm)	Cd (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Population	4606	4620	4620	4144	4620	4620	4568	4620	4133	4620
Max Value	0.59	26.2	1055	154	89.2	2849	81	2314	206	12300
Min Value	0.001	0.05	1	1	0.05	0.5	0.5	1	1	1
98th	0.039	1.4	88	6	3.3	180.24	9	116.62	3	423.62
95th	0.026	0.9	45	4	1.8	124.05	6	57	3	256.05
90th	0.018	0.6	27	3	1.2	88	4	36	2	172
85th	0.013	0.5	20	2	0.8	70	3	28	2	140
80th	0.01	0.4	17	2	0.62	60	3	23	1	120.2
70th	0.007	0.3	14	1	0.5	48	2	18	1	101
60th	0.005	0.2	12	1	0.25	40	2	15	1	88
50th	0.0025	0.2	10	1	0.25	33	1	13	1	79
40th	0.0025	0.1	9	1	0.25	29	1	12	1	71
30th	0.0025	0.1	8	1	0.25	25	1	10	1	64

Correlation coefficients (Table 5) were calculated to see if there is any meaningful association between different elements of interest in the soil sample dataset. The correlation coefficients show there are strong positive correlation for the Cd/Zn pair and Ag/Bi with R-values of 0.87 and 0.78, respectively. Moderate correlations are found between Bi/Sb (0.61), Cu/Zn (0.53), Cu/Cd (0.52), Ag/Pb (0.48) and Ag/Cd (0.45). Weak correlations exist between Au/As, Ag/Cu, Ag/Zn, Bi/Pb and Pb/Zn.

Table 5: Canopus Property Area Soil Sample Correlation Coefficients

	Au (ppm)	Ag (ppm)	As (ppm)	Bi (ppm)	Cd (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Sb (ppm)	Zn (ppm)
Au (ppm)										
Ag (ppm)	0.0895									
As (ppm)	0.3360	0.2385								
Bi (ppm)	0.3167	0.7761	0.2651							
Cd (ppm)	0.1347	0.4516	0.0571	0.0910						
Cu (ppm)	0.1941	0.3311	0.1506	0.1380	0.5184					
Mo (ppm)	0.0231	0.1128	0.0928	0.0556	0.0912	0.2006				
Pb (ppm)	0.0656	0.4758	0.1088	0.3827	0.2035	0.0913	0.0676			
Sb (ppm)	0.0444	0.0843	0.2559	0.6096	-0.0557	-0.0083	-0.0122	0.0411		
Zn (ppm)	0.1066	0.3593	0.0748	0.0988	0.8724	0.5323	0.1191	0.2971	-0.0139	

9.1.1.1 **Gold**

Gold values in soil samples collected during the 2015 exploration program are generally low, with 700 of 967 samples below the detection limit of 0.005 ppm. The highest value returned was 303 ppb, located in the West Nose anomalous area of the Western Grid (Au 1, Figure 7b). This very highly anomalous sample is located up and across slope of four very highly anomalous samples with gold values of 61, 84, 93 and 101 ppb, all well within the >98th percentile for Au. Also defining the Au 1 anomaly is one highly anomalous soil that returned 26 ppb Au, two moderately anomalous samples and one weakly anomalous sample within an area covering approximately 650 m across slope and 750 m downslope. Additionally, south of Nose Creek, are several adjacent weak to moderately anomalous Au values over a 400 m by 400 m area (Au 2).

A multi sample Au-in-soil anomaly (Au 3) is located in the East Park area on the western margin of the Eastern Grid where three highly anomalous samples were collected with values of 26-27 ppb. These samples centre a broader 900 m by 700 m area with weakly to moderately anomalous samples. Previous soil sampling immediately west of the Eastern Grid also has anomalous Au-in-soil values over a further 400 m. Another Au-in-soil anomaly (Au 4) located in the East Park Valley features 600 m of adjacent moderately anomalous soils and one very highly anomalous sample (74 ppb).

In addition to the West Nose and East Park areas, there are a couple point anomalies with highly anomalous to very highly anomalous Au values. These include a 62 ppb sample in the southeast corner of the Property (Au 5), two samples in the South Park Valley; a 42 ppb sample near the southeast corner of the Eastern Grid (Au 6) with an adjacent moderately anomalous sample, and a 43 ppb sample in the southwestern corner of the Eastern Grid (Au 7) with adjacent weak and moderately anomalous samples, as well as a 38 ppb sample off the claims in the saddle of the Titan Ridge soil line (Au 8).

9.1.1.2 **Copper**

Copper values are typically low throughout much of the 2015 sampling with >700 samples of 967 at or below the 50th percentile for the regional area. The highest value returned was 1105 ppm, located in the West Nose area of the Western Grid and is the second highest Cu-in-soil value returned to date on the Property, following a 1300 ppm sample collected at the Lupin Showing. This very highly anomalous sample is located southwest and downslope of the Nose Showing and within the broadly anomalous West Nose Anomaly (Cu 1 and Cu 2: Figure 7c).

The West Nose Anomaly is defined by relatively continuous, weakly to very highly anomalous Cu-in soils over an area of 2700 m by 900 m. Highly and very highly anomalous samples are scattered along the slope and are locally somewhat adjacent north of Nose Creek (Cu 1) and downslope of the Nose Showing in (Cu 2). Many samples collected on this slope were taken from wet soils and may indicate a hydromorphic anomaly rather than a true anomaly related to the underlying geology.

Anomalous Cu-in-soils are also found in the East Park area of the Eastern Grid where five adjacent very highly anomalous samples are surrounded by moderate to highly anomalous Cu-in-soil values (Cu 3).

Previous sampling to the west is also very highly anomalous and extends the very highly anomalous area from the East Park Peak downslope to the northwest for 750 m, while extending across slope for 850 m. Additionally, south of the East Park Peak is a 500 m by 200 m area with weak to highly anomalous Cu values (Cu 4).

Other localized areas with highly anomalous Cu values include one sample returning 211 ppm in the saddle of the north-central ridge line over Atlas Peak (Cu 5), 127 ppm in the centre of the Central Grid north of Whitney Creek (Cu 6), 151 ppm on the southwest edge of the Western Grid (Cu 7) with weak to moderately anomalous samples over an area covering 300 m by 200 m (Titan Ridge area), and 131 ppm along the ridge line east of the South Valley area and off the claims (Cu 8).

Three areas with contiguous weak to moderately anomalous Cu values are also present; one featuring 500 m of moderately anomalous Cu in the saddle south west of the Property boundary along the Titan Ridge soil line (Cu 9); within the East Park Valley over 300 m (Cu 10) and in the South Park Valley with broadly scattered weak to anomalous Cu values over 800 m by 200 m (Cu 11).

9.1.1.3 **Arsenic**

Values for As are typically low throughout much of the Property with close to 600 samples collected during the 2015 program at or below the 50th percentile (10 ppm) for the regional area with the highest single value returned at 157 ppm (Figure 7d). Areas of anomalous As from the 2015 program include the Titan Ridge area including the Titan Ridge soil line, which together define a 2900 m continuous stretch of weakly to very highly anomalous As values (As 1), two adjacent highly anomalous samples in the north of the West Nose Anomaly surrounded by patchy weak to moderately anomalous values over an area up to 950 m by 650 m (As 2), very highly and highly anomalous As values on adjacent ridge lines south of the claims boundary in the south of the Central Grid (As 3 and 4) and two adjacent highly anomalous samples with surrounding weak to moderately anomalous As values over 500 m by 400 m area in the East Park Valley (As 5). Localized weak to moderately anomalous values are also present in two locations within the Eastern Grid (As 6 and As 7) over 600 m by 500 m and 400 m by 200 m, respectively.

9.1.1.4 **Silver**

As with most elements of interest, Ag values from the 2015 program are low with nearly 600 of 967 samples collected returning values below the detection limit of 0.2 ppm with 1.9 ppm the highest single value returned (Figure 7e). Large areas of anomalous Ag values include northwest of Nose Creek featuring broadly (up to 1500 m by 1000 m) weak to very highly anomalous Ag values that remains open to the west and north (Ag 1) while weak to moderately anomalous Ag values are found southeast of Nose Creek (Ag 2). Additionally, there is a 2500 m wide extent along the Titan Ridge soil line with somewhat patchy weak to highly anomalous Ag values (Ag 3, Ag 4 and Ag 5), as well as weak to very highly anomalous Ag values extending across the south facing slope of the South Park Valley for up to 1800 m and remains open to the southeast (Ag 6).

Other anomalous areas include weak to moderately anomalous values located in the northeast corner of the Property over an area of 600 m by 200 m (Ag 7) and three adjacent weak to highly anomalous values collected north of Tilley Creek on the eastern margin of the Central Grid (Ag 8).

9.1.1.5 **Antimony**

Results for Sb are typically low (maximum of 12 ppm), with values below detection (2 ppm) for nearly 700 of 967 samples (Figure 7f). Areas of anomalous Sb from the 2015 program include the East Park Valley with moderately to highly anomalous Sb over a 400 m by 500 m area (Sb 1) and broad Sb anomalies in the centre of the Central Grid on the north and south slopes bisected by Whitney Creek of up to 1900 m by 600 m and 1000 m by 200 m, respectively (Sb 2 and 3). Additional anomalous Sb values are scattered throughout the 2015 sampling areas and are locally contiguous with more than one anomalous sample in the east of the Central Grid (Sb 4) and the northeast and southeast of the Eastern Grid (Sb 5 and Sb 6).

9.1.1.6 **Bismuth**

Nearly 700 of 967 values returned for Bi are below detection (2 ppm) and the highest value returned is 27 ppm (Figure 7g). An 1100 m by 800 m cluster of weak to very highly anomalous Bi values are located northwest of Nose Creek and remains open to the west (Bi 1). Broadly weak to highly anomalous Bi values are

also located in the Titan Ridge area over an area of 1000 m by 800 m, which remains open to the west, north and east (Bi 2). Highly to very highly anomalous samples are localized throughout the Property.

9.1.1.7 **Cadmium**

Over 800 of 967 values returned for Cd are below detection (0.5 ppm) with 4.8 ppm the highest value returned (Figure 7h). Weak to very highly anomalous Cd values were returned northwest of Nose Creek over an area up to 1600 m by 600 m wide and remains open to the north (Cd 1). Additionally, contiguous weak to very highly anomalous Cd values were returned south of the East Park Peak over 450 m (Cd 2) and weak to highly anomalous samples were returned over 400 m in the northeast corner of the Property (Cd 3)

9.1.1.8 **Molybdenum**

Over 700 samples out of 967 returned Mo values are at or below detection (1 ppm) for the 2015 program with a maximum value of 13 ppm returned (Figure 7i). Moderate to very highly anomalous Mo geochemistry is noted in the South Park Valley over a 600 m by 400 m area (Mo 1), as well as northeast of the confluence of West and Whitney Creeks over a 600 m by 300 m area (Mo 2), and also weak to very highly anomalous values over a 1200 m by 1200 m area in the Titan Ridge area (Mo 3). Other localized highly and very highly anomalous values are scattered throughout the Property. Areas featuring coincident Mo anomalies are located on the Titan Ridge line saddle (Mo 4), off the Property along the ridgeline east of the South Valley (Mo 5) and north of Nose Creek (Mo 6).

9.1.1.9 **Lead**

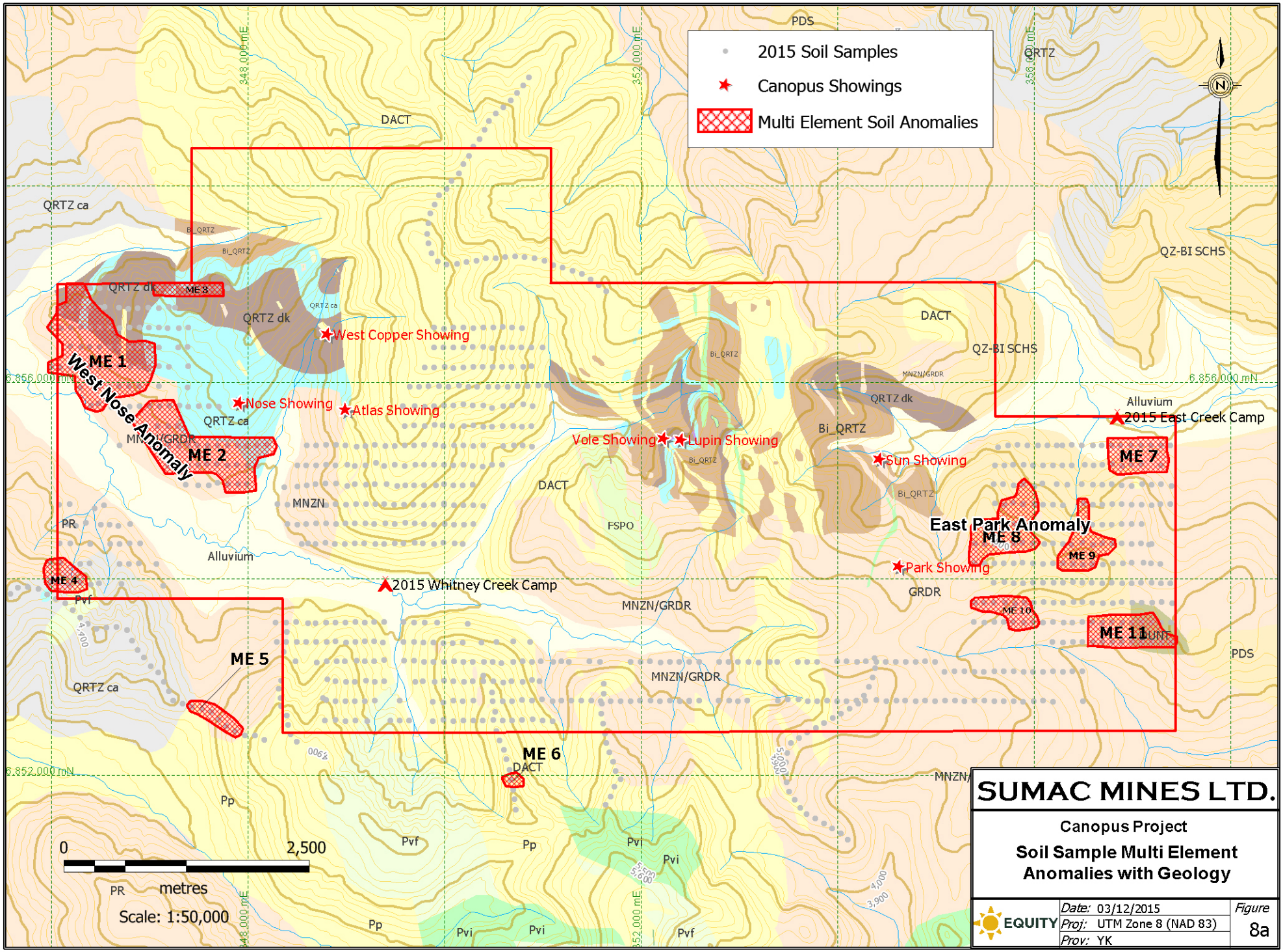
Values for Pb are generally low with only one sample above 100 ppm and nearly 600 of 967 collected at or below the 50th percentile for the region (Figure 7j). Areas of note with anomalous Pb geochemistry include the northeast corner of the Eastern Grid with weakly to highly anomalous values over a 700 m by 200 m area (Pb 1) and remains open to the north and east, as well as weak to moderately anomalous values north of the Nose Showing over 500 m and open to the north (Pb 2) and also in the Titan Ridge area over a 500 m by 200 m area (Pb 3).

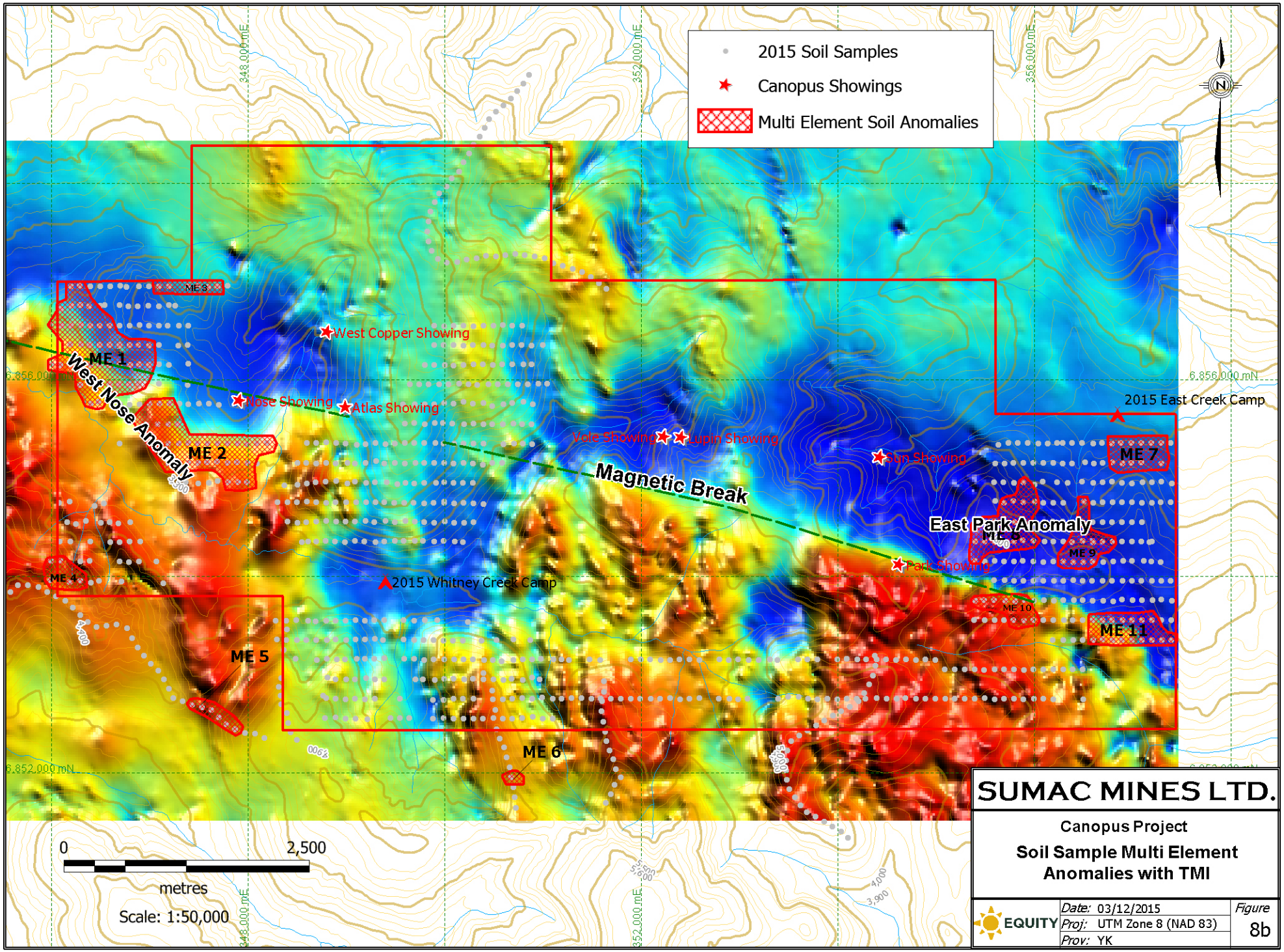
9.1.1.10 **Zinc**

Values for Zn are also generally low with more than 680 samples returned from the 2015 program at or below the 50th percentile for the region (Figure 7k). The highest value recorded is 625 ppm with 98th percentile calculated at 423.62 ppm. Only one area of anomalous Zn geochemistry is noted from the program with weak to very highly anomalous values clustered in the northwest corner of the Western Grid over an area of up to 1200 m by 600 m (Zn 1), which includes two adjacent highly anomalous samples (S232356 and S232357; 625 ppm and 556 ppm respectively and the top two samples from 2015 program). Zn 1 remains open to the north.

9.1.1.11 **Multi element anomalies**

Eleven broad multi element anomalies (ME 1 to ME 11; named generally from west to east) determined from percentiles occur within the grids and ridgelines sampled during the 2015 program (Figure 8a-b). All multi-element anomalies (except ME 7) occur with elevated (>50th percentile) Cu values and most are largely comprised of samples with >70th percentile Cu. Where multi-element anomalies contain Au (ME 1, ME 2, ME 5, ME 9, ME 10, ME 11), only ME 8 and ME 9 are entirely anomalous in Au.


2015 Soil Samples
Canopus Showings
Multi Element Soil Anomalies
N
ME 1
West Nose Anomaly
ME 2
ME 3
ME 4
ME 5
ME 6
ME 7
East Park Anomaly
ME 8
ME 9
ME 10
ME 11
West Copper Showing
Nose Showing
Atlas Showing
Vole Showing
Lupin Showing
Sun Showing
Park Showing
2015 East Creek Camp
2015 Whitney Creek Camp
QRTZ ca
QRTZ dk
DACT
MNZN
MNZN/GRDR
GRDR
FSPO
PR
Pp
Pvf
Pvi
PDS
QZ-BI SCHS
Alluvium
Bi_QRTZ
348,000 mE
352,000 mE
356,000 mE
6,856,000 mN
6,852,000 mN
0
2,500
metres
Scale: 1:50,000
SUMAC MINES LTD.
Canopus Project
Soil Sample Multi Element Anomalies with Geology
EQUITY
Date: 03/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure
8a


2015 Soil Samples
Canopus Showings
Multi Element Soil Anomalies
N
348,000 mE
352,000 mE
356,000 mE
6,856,000 mN
6,852,000 mN
ME 1
ME 2
ME 3
ME 4
ME 5
ME 6
ME 7
ME 9
ME 10
ME 11
West Nose Anomaly
Magnetic Break
East Park Anomaly
West Copper Showing
Nose Showing
Atlas Showing
Vole Showing
Lupin Showing
Sun Showing
Part Showing
2015 East Creek Camp
2015 Whitney Creek Camp
0
2,500
metres
Scale: 1:50,000
SUMAC MINES LTD.
Canopus Project
Soil Sample Multi Element Anomalies with TMI
EQUITY
Date: 03/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure
8b

ME 1, located northwest of Nose Creek, is entirely anomalous in Ag, Bi and Cu with variably anomalous Au, As, Cd, Mo, and Zn and forms part of the West Nose Anomaly. Mean values for Cu and Au are 96.5 ppm and 20 ppb, respectively with maximum values of 360 ppm Cu and 303 ppb Au. ME 2, located southeast of Nose Creek, forms the other part of the West Nose Anomaly and is entirely anomalous in Cu with locally anomalous Au and Ag. Mean values for Cu and Au are 134 ppm and 6 ppb, respectively with Cu positively skewed due to a maximum value of 1105 ppm, whereas the maximum value for Au is 25 ppb. Individually, ME 1 extends across slope for ~1200 m and up to 800 m downslope, where ME 2 extends across slope for ~1300 m and up to 400 m downslope. Together, ME 1 and ME 2 extend for 2700 m across slope, with a narrow (150-250 m) gap coincident with Nose Creek. Both anomalies roughly correspond to the transition from low magnetics in the northwest to higher magnetics immediately below the anomalies (Figure 8b). Additionally, this area is interpreted to be underlain by intrusive rocks of the Ruby Range Batholith corresponding to the higher magnetic signature, though there is limited outcrop exposure and no mapping completed in this area. ME 1 is open to the west and northwest while ME 2 is open to the west and partially open to the south-southeast.

ME 3 consists of anomalous Ag and Cd with localized Cu, Pb and Zn located at the northeast corner of the Western Grid and extends over 600 m while remaining open to the north and northeast. The mean Cu value is 49.5 ppm (above the 70th percentile of 48 ppm) with a maximum value of 91 ppm. Geology underlying ME 3 consists of dark and calcareous quartzite of the Finlayson Assemblage.

ME 4 consists of coincident anomalous Ag, As, Cu, Bi, Mo and Pb over a 300 m by 200 m area and remains open to the northwest. The mean value of Cu is 87 ppm with a maximum value of 151 ppm. Geologically, ME 4 is proximal to the contact between Ruby Range monzonite to the northwest and dark quartzite of the Finlayson Assemblage to the southeast, as well as a gossanous rock sample collected during the 2015 program that returned 110 ppb Au and 683 ppm Cu (Q930019).

ME 5, located outside of the current property boundary, consists of coincident anomalous Au, Ag, As, Cu and Mo over 500 m of ridge line samples. Mean values for Cu and Au are 74.5 ppm and 10 ppb Au, respectively with maximum values of 92 ppm Cu and 38 ppb Au. Geologically, ME 5 is underlain by rocks interpreted as Ruby Range from the airborne magnetics and is situated at the southernmost extent of a magnetic high continuing to the north and into ME 1 and ME 2 (Figure 8b).

ME 6 is a localized As, Cu, Mo anomaly consisting of one sample with 131 ppm Cu, 131 ppm As and 8 ppm Mo. Geologically, it is located within rocks mapped as RCC rocks, though there are localized occurrences of biotite quartzite proximal to the sample.

ME 7, located in the northeast corner of the Eastern Grid, consists of anomalous Ag and Pb with variable Cd and Sb over a 500 m by 200 m area. Geologically, ME 7 is located proximal to the interpreted contact between biotite schist of the Snowcap Assemblage and monzonite of the Ruby Range Batholith.

ME 8, located north of East Park Peak and representing the East Park Anomaly, is anomalous in Au, As and Cu in a roughly 600 m by 600 m area and extends further to the west with previous geochemical sampling. The mean Cu and Au values from the 2015 sampling are 157 ppm and 12 ppb, respectively, with maximum values of 674 Cu and 27 ppb Au. When including previous sampling over the same area, the mean value of Cu is 175 ppm, while the mean value for Au is 10 ppb. Geologically, ME 8 is underlain by rocks interpreted as Snowcap Assemblage and to the west are locally underlain by interpreted Ruby Range rocks. From the airborne geophysics, ME 8 sits in a broad magnetic low north of the regional west-northwest trending magnetic break, but re-interpretation of the 2011 magnetic data suggests the presence of remanent magnetism west of the 2015 anomaly (Core, 2014a).

ME 9, located in the East Park Valley, consists of anomalous Au, As, Cu and Sb in a roughly 400 m by 400 m area, though it partially extends to the north along East Park Valley drainage. Mean and maximum values for Cu are 62 ppm and 98 ppm, while mean and maximum vales for Au are 19 ppb and 74 ppb. With respect to geology and geophysics, ME 9 is comparable to ME 8, except it is located entirely within rocks interpreted as Snowcap Assemblage, however unlikely ME 8, which extends to the west, ME 9 is closed off in all directions.

ME 10, located south of East Park Peak in the South Park Valley, consists of anomalous Ag, Cu and Mo with variably anomalous Au over a roughly 500 m by 200 m area and represents a southern arm of the

broader East Park Anomaly when put in the context of previous sampling. Mean values for Cu and Au are 92 ppm and 6 ppb, respectively with maximum values of 158 ppm Cu and 43 ppb Au. Geologically, ME 10 is located within rocks interpreted as Ruby Range and is located immediately south of the regional magnetic break. Further expansion of ME 10 is limited to 400 m to the south, as sampling did not return any anomalous geochemistry south of ME 10.

ME 11, located east of ME 10 and straddling the regional magnetic break, consists of anomalous Ag and Cu with variably anomalous Au, As and Sb over an elongate area of 800 m by 200 m, which remains open to the south and southeast. Mean and maximum values for Cu are 62 ppm and 121 ppm, whereas the maximum value for Au is 42 ppb. Geologically, ME 11 is situated at the contact between interpreted dunite and quartz-biotite schist of the Snowcap Assemblage to the north and east with Ruby Range rocks to the southwest.

Of these eleven multi-element anomalies, the most prospective appear to be those with several coincident anomalous pathfinder (As, Bi, Cd, Sb, Pb, Zn) and economic elements (Au, Cu, Ag, Mo), along with high mean values for Cu and Au as well as large areal extents. Table 6 summarizes the characteristics of each multi-element anomaly. Each anomaly was given a prospect rank based on the sum of the relative ranking of each anomaly for size, mean Cu and Au values (highest value given 11, lowest value given 1), number of pathfinder and economic elements (+2 for entirely anomalous, +1 for partial anomalous) or was given a nominal value for magnetic response (high or low magnetics = 5 vs. moderate magnetic response = 2) and whether the anomaly is open for extension (open = 4, partially open = 2, not open = 0).

Table 6: 2015 Canopus Property Multi-Element Anomaly Characteristics and Ranking

	Size (km^2)	Pathfinder Elements	Economic Elements	Mean Cu (ppm)	Mean Au (ppb)	Magnetics	Open?	Prospect Rank
ME 1	0.8	Bi, As, Cd, Zn	Ag, Cu, Au, Mo	96.5	20	High	Yes	1
ME 2	0.64	No	Ag, Cu, Au	134	6	High	Yes	3
ME 3	0.09	Cd, Pb, Zn	Ag, Cu	49.5	<5	Moderate	Yes	11
ME 4	0.12	As, Bi, Pb	Ag, Cu, Mo	87	<5	High	Yes	5
ME 5	0.09	As	Au, Ag, Cu, Mo	74.5	10	High	Yes	4
ME 6	<0.01	As	Cu, Mo	131	6	Moderate	Yes	9
ME 7	0.21	Cd, Pb, Sb	Ag	19	<5	Moderate	Yes	10
ME 8	0.34	As	Au, Cu	157	12	Low	Yes/No	2
ME 9	0.2	As, Sb	Au, Cu	62	19	Low	No	6
ME 10	0.15	No	Ag, Au, Cu, Mo	92	6	High	Yes/No	7
ME 11	0.26	As, Sb	Ag, Au, Cu	62	<5	High/Low	Yes	8

9.1.2 Soil Geochemistry – Response Ratios

For the second phase of soil geochemistry data analysis, response ratios were calculated for each individual sample in an attempt to quantify the strength of anomalous values with respect to background values. For this calculation, probability plots were generated using ioGas software for each element to visually identify substantial departures from normality in the dataset. In a perfect normal distribution of data, a probability plot will consist of a single straight line. Breaks and deviations in the slope of the curve will occur when the dataset is skewed.

Background threshold values were chosen for each element by picking the first break/change in slope. Background upper thresholds for each element include: Au – 0.010 ppm, Cu – 30 ppm, As – 15 ppm, Ag – 0.5 ppm, Sb – 1 ppm, Bi – 1 ppm, Cd – 1 ppm, Mo – 2 ppm, Pb – 21 ppm and Zn – 100 ppm. Probability plots for each of the elements are presented in Appendix E. Background levels are defined for elements with a response ratio < 2. Weak levels are defined as elements with a response ratio of 2 – 4. Moderate levels are defined as elements with a response ratio of 4 – 6. Strong levels are defined as elements with a response ratio > 6 and very strong levels are defined as > 12.

Response ratios for gold (Figure 9a) suggest that a few samples collected in ME 1 of the West Nose Anomaly are strongly anomalous with four strongly anomalous samples and one very strongly anomalous (>30 times background values) sample. Additionally, ME 2 is weakly anomalous over three samples, ME 8 is weakly anomalous and ME 9 is weakly anomalous with one strongly anomalous gold value.

Response ratios for copper (Figure 9b) suggest the East Park Anomaly (ME 8) is very strongly anomalous with adjacent samples having response ratios of >13 and >22, along with adjacent moderately to strongly anomalous values to the north, east and southwest. Additionally, the response ratios from the West Nose Anomaly (ME 1 and 2) suggest a broad weak to moderate anomaly with localized strong anomalies on either side of Nose Creek. Also, ME 10 has four samples with moderately anomalous response ratios for copper, whereas ME 5 has five weakly anomalous samples and the single sample of ME 6 is moderately anomalous.

Arsenic response ratios (Figure 9c) do not appear to be elevated above background values in most of the 2015 soil sampling except for in the Titan Ridge area coinciding with ME 4, where a cluster of adjacent weakly to strongly anomalous values are situated along the Titan Ridge. A weak arsenic anomaly is also present coinciding with ME 5 and the single sample comprising ME 6 is also strongly anomalous in arsenic.

Silver response ratios (Figure 9d) are generally not elevated above background and are only weakly anomalous coincident with ME 10.

Bismuth response ratios (Figure 9e) suggest there is a broad weak anomaly coinciding with ME 1, including one moderate and one very strong anomalous response. One moderate response was returned from the Titan Ridge area.

Response ratios for molybdenum (Figure 9f) suggest a weak anomaly is present in the Titan Ridge area with numerous weak responses, one moderate and one strong response calculated. Additionally, strong responses for molybdenum coincide with ME 10, whereas a weak to moderate response is present north of the confluence of Whitney and West Creeks.

Zinc response ratios (Figure 9g) are typically at background levels; however, adjacent moderate and strong anomalous samples are situated upslope of ME 1.

Antimony, cadmium and lead response ratios are typically at or below background values with no apparent anomalies in the 2015 data; plots were not made for these elements.

9.2 Rock Geochemistry

A total of 80 rock samples were collected during the course of the program with 46 samples taken on the Canopus claims, while 34 were taken proximal to the claim boundary. Sample locations are shown on Figure 7a, whereas results are shown on Figures 7b-k. The rock sample sheets and certificates of analysis are located in Appendix C and D, respectively.

9.2.1 Rock Geochemical Results

Significant rock samples collected during the 2015 program are compiled in

Table 7. Elevated Pb and Zn values were collected on Bore Ridge north of the Lupin area and appear to be associated with silicification and moderate sericite alteration. Samples with elevated Au appear to be associated with quartz stockwork and hematite-jarosite-goethite weathering with frothy textures. Elevated Cu values, excluding the Atlas Showing rocks, are typically associated with gossanous weathering, abundant pyrite and quartz-sericite alteration. The Atlas Showing rocks are all characterized by malachite along fractures and rarely host disseminated chalcopyrite.

Table 7: 2015 Significant Rock Samples, Canopus Property

SampleID	Sample Type	Showing	As (ppm)	Au (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
Q929927	Float		<2	<0.005	97	<1	3220	8570
Q929928	Float		<2	<0.005	76	<1	4730	3690
Q929935	Float		5	<0.005	506	6	2	66
Q929938	Float		209	1.015	16	6	18	10
Q929940	Float		562	4.09	16	5	10	17
Q929950	Float		1575	1.245	52	61	2440	69
Q930006	Float		27	0.03	1700	2	8	33
Q930012	Float		2	<0.005	27	51	2	27
Q930014	Float		3	<0.005	121	98	<2	58
Q930016	Float		6	<0.005	990	6	<2	29
Q930019	Float		2	0.11	683	<1	2	17
Q930022	Float		2	<0.005	23	586	14	232
Q930023	Float	Atlas	14	0.462	2980	5	12	84
Q930024	Float	Atlas	12	0.056	3990	4	4	71
Q930025	Float	Atlas	7	0.062	2050	1	9	120
Q930026	Float	Atlas	18	0.025	1630	2	15	121

10.0 DISCUSSION AND CONCLUSIONS

The 2015 field program of geological and geochemical work on the newly staked Canopus South claims indicates there is potential to discover significant mineralization on the Property. The main conclusions from the 2015 program are summarized below:

- Regional geology maps (Israel et al., 2011a) have included large swaths of rocks mapped as Ruby Range Batholith, however this year's mapping found much of the Canopus South claims to consist of RCC rocks.
- Rocks mapped as RCC returned low values in almost all elements and largely barren of mineralization or any significant alteration, suggesting epigenetic relationship with the Ruby Range Batholith and any potential mineralizing events. Rocks mapped as Ruby Range also did not appear to be commonly associated with significant mineralization or alteration
- The Atlas Showing and East Park Anomaly are limited in areal extent and largely appear to be structurally controlled, rather than related to porphyry mineralization.
- The majority of geochemical anomalies on the Property are located north of the regional magnetic break, though the West Nose Anomaly and two Titan Ridge multi element anomalies are located south of the break and may represent porphyry targets, rather than structural targets.

Much of the mapping conducted this year encountered broad swaths of RCC feldspar porphyry, dacite and rhyolite where regional mapping had predominately identified or interpreted Ruby Range rocks, particularly in the newly staked south-central area of the Property. Incorporating this year's mapping, interpretation of the 2014 airborne K radiometric data found K highs correspond to contacts encountered during the field program and tend to correlate well with existing detailed mapping in the Lupin Showing area. Soil sampling was also conducted across much of the newly staked Canopus South claims and returned uniformly low values for most economic and pathfinder elements in most areas; however, anomalous results for economic and pathfinder elements were returned in the West Nose, East Park and Titan Ridge areas with similar geochemical signatures to the Lupin Showing. The Atlas Showing was also identified on the eastern slope of West Creek proximal to the intersection between regional magnetic break and a north-south regional fault.

In the West Nose Anomaly area, the soil geochemical anomaly noted during the 2014 program was expanded along the northwest-southeast trending slope west of the Nose Showing where this year's work identified anomalous copper geochemistry extending across slope for up to 2700 m with coincident, localized gold, silver, molybdenum, arsenic, cadmium, zinc and barium anomalies (ME 1-2). The magnetic patterns in the West Nose Anomaly area suggest possible intrusions at depth, though the area has not been mapped in detail and outcrop is sparse. It is possible this anomaly represents increased background values in the underlying bedrock geology; however, it is unlikely the case as samples returned highs of 1105 ppm Cu and 303 ppb Au, suggesting there could be buried mineralization nearby. Interestingly, the West Nose Anomaly straddles the regional magnetic break and extends south of the break whereas most mineralization and geochemical anomalies on the Property are north of the break.

Soil sampling in the Eastern Grid identified several multi element anomalies (ME 7-11) with ME 8, the East Park Anomaly, being the most prospective of the five anomalies. Previous soil sampling to the west of the Eastern Grid had identified broadly anomalous copper geochemistry west and northwest of East Park Peak, which extends beyond the Sun and Park showings. The highest copper values returned over the broad anomaly are immediately northwest of East Park Peak with five adjacent >98th percentile samples and numerous samples with values >95th percentile proximal to the peak and coinciding with anomalous gold values. Furthermore, previous mapping identified Ruby Range monzonite along the western edge of the anomaly suggesting a possible relationship with Ruby Range Batholith. Like most mineralized or geochemically anomalous areas on the Property, the East Park Anomaly is situated north of the regional magnetic break. Additionally, remanent magnetism is present immediately west of ME 8 and may be related to the geochemical anomaly. Of note is the localized chalcopyrite near the bottom of drillhole CAN13-06, which may signify buried or nearby mineralized intrusive bodies; however, this interval did not return any significant geochemical results in 2013.

Previous geophysical work completed over the East Park Anomaly includes the 2011 SkyTEM survey and the 2012 IP survey. Based on the high resistivity (non-conductive) responses at the Sun and Park

showings, previous interpretation of the geophysical data suggested mineralization in this area of the Property is comprised of large volumes of disseminated non-conductive sulphides (Klein, 2011). However, the East Park Anomaly is not associated with a chargeability high, which would be expected if a mineralized porphyry system were present and may limit the prospectivity of the East Park Anomaly as a porphyry target, though it may represent a Lupin-style structural target.

Located directly east of the Nose Showing across the West Creek valley, the Atlas Showing consists of localized dark quartzite boulders with malachite along fractures and trace disseminated chalcopyrite. One mineralized boulder exhibited a contact between rhyolite/dacite and dark quartzite, with chalcopyrite mineralization hosted in the quartzite. Previous soil sampling immediately south and downslope of the Atlas Showing returned very highly anomalous copper values. In addition, the Atlas Showing is downslope and west of a north-south fault and south of the regional magnetic break. Geological mapping has encountered monzonite near the Atlas Showing, which also coincides with the margins of a magnetic high bounded by the magnetic break and the north-south fault. Outcrop is limited in this area and the only anomalous element in soil over the center of the magnetic high is molybdenum. The Atlas Showing may represent the structural trapping of mineralizing fluids transported along the north-south fault from a nearby mineralized intrusion. Precipitation of similar fluids may have lead to the formation of the nearby Nose Showing skarn mineralization and fracture controlled West Copper Showing mineralization. This area is less likely to be a porphyry target and more likely to represent a Lupin-style structural target.

Soil and rock sampling along the Titan Ridge identified two multi element geochemical anomalies (ME 4 and 5) located at the southwest edge and south of the current property boundary. These anomalies appear to be associated with the margins of magnetic highs, which are interpreted as intrusions and appear to be related to the magnetic highs associated with the West Nose Anomaly to the north. Furthermore, both Titan Ridge anomalies remain open for extension and future work would do well to test over the magnetic highs associated with these anomalies.

11.0 RECOMMENDATIONS

Exploration in 2015 on the Canopus Property has detected several multi element soil geochemical anomalies in the West Nose, East Park and Titan Ridge areas. Further work is required to explain these anomalies and determine whether they are associated with mineralized structures or intrusions. Prior to conducting diamond drilling on these new and existing targets, they should be refined by:

- revisit the West Nose and East Park anomalies to confirm reported porphyry-type alteration and its distribution. If warranted, geological mapping should identify the extent and intensity of alteration.
- more intensive investigation of areas of geochemical and magnetic anomalies, in particular if inversion processing identifies prospective structures and/or potential intrusions in the area.
- staking areas of magnetic highs, particularly west of the West Nose Anomaly and south of the Titan Ridge geochemical anomalies and conduct grid soil sampling over magnetic highs.
- improving the gold assay reproducibility of soil samples by evaluating sampling methodology, use of larger aliquot size and/or more precise analytical methods for gold at the assay labs.

Future fieldwork should include detailed mapping and rock sampling around the East Park, West Nose and Titan Ridge anomalies. Any newly staked claims should be soil sampled on 200 m spaced lines with 100 m sample intervals and be prospected and mapped. If results from further mapping are encouraging, an IP survey should be carried out over areas deemed of interest.

Respectfully submitted,

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Thomas Branson, M.Sc., P.Geo.

EQUITY EXPLORATION CONSULTANTS LTD.

Vancouver, British Columbia

May 6, 2016

Appendix A: Bibliography

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Appendix B: Statement of Expenditures

STATEMENT OF EXPENDITURES

Canopus Project

July and August, 2015

PROFESSIONAL FEES AND WAGES:

Tom Bell, Prospector			
26.00 days @ $525/day	$	13,650.00	
Thomas Branson, P.Geo.			
48.75 days @ $700/day		34,125.00	
MacLean Campbell, Sr. Sampler			
11.54 days @ $325/day		3,750.00	
Jennifer Gibbs, First Aid Attendant			
24.50 days @ $400/day		9,800.00	
James Hegarty, Sr. Sampler			
9.00 days @ $375/day		3,375.00	
Murray Jones, P.Geo.			
0.63 days @ $700/day		441.00	
Jordan Patterson, Sampler			
9.00 days @ $275/day		2,475.00	
Scott Parker, GIS/Logistics			
4.00 hours @ $75/hour		300.00	
Agata Zurek, GIS			
13.00 hours @ $75/hour		975.00	$68,891.00

EQUIPMENT RENTALS:

Field Camp			
98.00 days @ $40/manday	$	3,920.00	
Chainsaw			
8.00 days @ $30/day		240.00	
Field Computers			
43.00 days @ $40/day		1,720.00	
First Aid (Level III)			
23.00 days @ $30/day		690.00	
Generator (5kvA)			
23.00 days @ $30/day		690.00	7,260.00

EXPENSES:

Chemical Analyses	15,297.95
Field Consumables	1,144.17
Materials and Supplies	756.61
Plot Charges	94.30
Printing and Reproductions	6.75
Camp Food	2,747.17
Meals	371.91
Accommodation	1,160.81
Taxis and Airporters	150.86
Truck Rental (Non-Equity)	3,362.61
Automotive Fuel	310.69
Helicopter Charters	51,614.28

Busfare	3.81	
Airfare	2,691.77	
Telephone Distance Charges	32.00	
Freight	5,173.09	
Bulk Fuel	270.40	
Drum Deposits	55.00	
Satellite Phone Rental (Non-Equity)	435.23	
Radio Rental (Non-Equity)	690.00	
Archeology	475.00	
Expediting	3,906.44	
Storage Rental	4,196.10	
Internet Charges	1,923.90	
Report	5,000.00	101,870.85
SUB-TOTAL:		$178,021.85
PROJECT SUPERVISION CHARGES:		24,831.83
TOTAL:		**$ 202,853.68**

Appendix C: Rock Descriptions

MINERALS AND ALTERATION TYPES

AC	Actinolite	FP	feldspar	PF	plagioclase
AL	alunite	GA	garnet	PH	phlogopite
AM	amphibole	GE	goethite	PL	pyrolusite
AS	arsenopyrite	GL	galena	PO	pyrrhotite
AU	augite	GR	graphite	PY	pyrite
AZ	azurite	HB	hornblende	QZ	quartz veining
BA	barite	HE	haematite	RE	realgar
BI	biotite	HS	specularite	RN	rhodonite
BO	bornite	HZ	hydrozincite	SB	stibnite
BT	pyrobitumen	IL	illite	SD	siderite
CA	calcite	JA	jarosite	SI	silicification
CB	Fe-carbonate	KF	potassium feldspar	SK	skarn
CC	chalcocite	MC	malachite	SM	smithsonite
CD	chalcedony	MG	magnetite	SP	sphalerite
CL	chlorite	MI	mica	SR	scorodite
CP	chalcopyrite	MN	Mn-oxides	SS	sulphosalts
CU	native copper	MO	molybdenite	ST	smectite
CV	covellite	MR	mariposite/fuchsite	TP	topaz
CY	clay	MS	sericite	TT	tetrahedrite
DC	dickite	MT	marcasite	VG	gold
DS	diaspore	MU	muscovite	ZE	Zeolite
DU	dumortierite	NA	natroalunite	ZN	zunyite
EP	epidote	NE	neotocite		
FL	fluorite	PA	pyrargyrite		

ALTERATION INTENSITY

w	weak	s	strong
m	moderate	i	intense

Rock Sample Descriptions

Canopus South

Q929901
SUM15-01

Sampler:
Tom Bell
12/07/2015

Easting:	355895 mE	SampleType:	Float	Alteration:	wMS
Northing:	6855475 mN	Sample Width:	m	Metallics:	
Elevation:	m	True Width:	m	Secondaries:	wGE, mHE, wMN
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartz-Monzonite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	14	5	9
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
1.6	37	5	20

Fractured with some hematite in quartz-monzonite. Talus grab from two talus boulders

Q929902
SUM15-01

Sampler:
Tom Bell
12/07/2015

Easting:	355562 mE	SampleType:	Float	Alteration:	sBI, wMS
Northing:	6855237 mN	Sample Width:	m	Metallics:	0.1%PO
Elevation:	m	True Width:	m	Secondaries:	mHE, sJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartz schist		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	18	-1	11
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	29	2	90

Quartz stringers in schistose quartz-monzonite. Sample from several boulders in talus

Q929903
SUM15-01

Sampler:
Tom Bell
12/07/2015

Easting:	356048 mE	SampleType:	Float	Alteration:	sBI
Northing:	6854235 mN	Sample Width:	m	Metallics:	
Elevation:	m	True Width:	m	Secondaries:	wJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Schist		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	11	-1	-2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	50	-2	190

Q929904
SUM15-01

Sampler:
Tom Bell
12/07/2015

Easting:	356650 mE	SampleType:	Float	Alteration:	sBI
Northing:	6854276 mN	Sample Width:	m	Metallics:	
Elevation:	m	True Width:	m	Secondaries:	wGE, wJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Schist		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	37	1	9
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	21	2	50

Brecciated Schist float

Rock Sample Descriptions

Q929905
SUM15-01

Sampler:
Tom Bell
12/07/2015

Easting:	357016 mE	SampleType:	Float	Alteration:	sQZ
Northing:	6854392 mN	Sample Width:	m	Metallics:	2.5%HE
Elevation:	m	True Width:	m	Secondaries:	sHE, wMN
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	10	3	36
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
0.8	58	-2	10

Coarse grained quartzite with strong hematite staining. Sample taken from one talus boulder

Q929906
SUM15-01

Sampler:
Tom Bell
13/07/2015

Easting:	354617 mE	SampleType:	Float	Alteration:	
Northing:	6853548 mN	Sample Width:	m	Metallics:	
Elevation:	m	True Width:	m	Secondaries:	
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Diorite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	26	-1	-2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	68	-2	150

Fresh diorite in talus

Q929907
SUM15-01

Sampler:
Tom Bell
13/07/2015

Easting:	355508 mE	SampleType:	Float	Alteration:	sBI
Northing:	6853961 mN	Sample Width:	m	Metallics:	
Elevation:	m	True Width:	m	Secondaries:	wHE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Schist		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	21	-1	2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	53	-2	180

Stockwork quartz in talus. Taken from 50cmx1m boulder

Q929908
SUM15-01

Sampler:
Tom Bell
13/07/2015

Easting:	356095 mE	SampleType:	Float	Alteration:	
Northing:	6854050 mN	Sample Width:	m	Metallics:	
Elevation:	m	True Width:	m	Secondaries:	wHE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Rhyolite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	7	-1	16
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	59	2	30

Sample from dyke cutting across hillside

Rock Sample Descriptions

Q929909	Easting:	356793 mE	SampleType:	Float	Alteration:		**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6857103 mN	Sample Width:	m	Metallics:	1%HS	-0.005	24	1	12
	Elevation:	m	True Width:	m	Secondaries:	wHE, wJA	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		0.2	6	-2	40
Tom Bell	UTMZone:	8	HostRock:	Quartz						
14/07/2015	Clear sugary vein quartz taken from four talus rocks									
Q929910	Easting:	356789 mE	SampleType:	Float	Alteration:	sBI	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6857113 mN	Sample Width:	m	Metallics:	1%HS	-0.005	36	1	23
	Elevation:	m	True Width:	m	Secondaries:	mHE, wJA	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		0.5	28	-2	60
Tom Bell	UTMZone:	8	HostRock:	Schist						
14/07/2015	Biotite schist in talus									
Q929911	Easting:	356790 mE	SampleType:	Float	Alteration:	sBI	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6857136 mN	Sample Width:	m	Metallics:	1.5%HS	-0.005	76	2	24
	Elevation:	m	True Width:	m	Secondaries:	wGE, mHE, mJA	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		0.9	7	-2	110
Tom Bell	UTMZone:	8	HostRock:	Schist						
14/07/2015	Schist with glassy vein quartz in talus									
Q929912	Easting:	356772 mE	SampleType:	Float	Alteration:	sQZ	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6857434 mN	Sample Width:	m	Metallics:	1%HE	-0.005	8	1	27
	Elevation:	m	True Width:	m	Secondaries:	mHE, mJA	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		-0.2	5	-2	40
Tom Bell	UTMZone:	8	HostRock:	Quartzite						
14/07/2015	Quartzite subcrop									

Rock Sample Descriptions

Q929913	Easting:	356528 mE	SampleType:	Float	Alteration:	sBI	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6857688 mN	Sample Width:	m	Metallics:		-0.005	46	-1	729
	Elevation:	m	True Width:	m	Secondaries:	mHE, wJA	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		0.2	26	-2	80
Tom Bell	UTMZone:	8	HostRock:	Schist						
14/07/2015	Biotite schist subcrop with abundant hematite and jarosite in talus									
Q929914	Easting:	354775 mE	SampleType:	Float	Alteration:		**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6857719 mN	Sample Width:	m	Metallics:		-0.005	6	-1	3
	Elevation:	m	True Width:	m	Secondaries:		**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		-0.2	25	-2	40
Tom Bell	UTMZone:	8	HostRock:	Quartz-Monzonite						
14/07/2015	Lightly bleached quartz monzonite in subcrop/talus									
Q929915	Easting:	354756 mE	SampleType:	Float	Alteration:		**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6857608 mN	Sample Width:	m	Metallics:		-0.005	28	2	5
	Elevation:	m	True Width:	m	Secondaries:		**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		-0.2	31	-2	20
Tom Bell	UTMZone:	8	HostRock:	Quartz-Monzonite						
14/07/2015	Bleached quartz monzonite in subcrop/talus with some quartz veining. Grab sample over 1 m radius									
Q929916	Easting:	354179 mE	SampleType:	Float	Alteration:	sBI	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6856725 mN	Sample Width:	m	Metallics:	4%HE	-0.005	23	-1	33
	Elevation:	m	True Width:	m	Secondaries:	sHE, wJA	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		-0.2	55	-2	130
Tom Bell	UTMZone:	8	HostRock:	Schist						
14/07/2015	Biotite schist with quartz vein and abundant hematite. Grab sample from one talus boulder									

Rock Sample Descriptions

Q929917
SUM15-01

Sampler:
Tom Bell
15/07/2015

Easting:	355045 mE	SampleType:	Float	Alteration:	sCY
Northing:	6856463 mN	Sample Width:	m	Metallics:	
Elevation:	m	True Width:	m	Secondaries:	wGE, mHE, sJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartz-Monzonite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	35	7	42
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	41	-2	50

Clay altered quartz monzonite with quartz stringers. Iron oxide staining abundant along with boxwork. Grab from two talus rocks

Q929918
SUM15-01

Sampler:
Tom Bell
15/07/2015

Easting:	355043 mE	SampleType:	Float	Alteration:	mQZ, mCY
Northing:	6856469 mN	Sample Width:	m	Metallics:	1%HE
Elevation:	m	True Width:	m	Secondaries:	sHE, wJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartz-Monzonite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	28	2	3
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
0.4	31	5	20

Stockwork quartz stringers

Q929919
SUM15-01

Sampler:
Tom Bell
15/07/2015

Easting:	354561 mE	SampleType:	Float	Alteration:	sBI, mMS
Northing:	6856443 mN	Sample Width:	m	Metallics:	
Elevation:	m	True Width:	m	Secondaries:	sHE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Schist		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	49	-1	21
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	61	-2	210

Glassy milky quartz stringers in schist talus

Q929920
SUM15-01

Sampler:
Tom Bell
15/07/2015

Easting:	353508 mE	SampleType:	Subcrop	Alteration:	sSI
Northing:	6856522 mN	Sample Width:	m	Metallics:	
Elevation:	m	True Width:	m	Secondaries:	wHE, sJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	18	1	11
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	56	-2	360

Quartzite in talus with abundant iron staining

Rock Sample Descriptions

Q929921
SUM15-01

Sampler:
Tom Bell
15/07/2015

Easting:	353509 mE	SampleType:	Subcrop	Alteration:	sSI
Northing:	6856525 mN	Sample Width:	m	Metallics:	1%PY
Elevation:	m	True Width:	m	Secondaries:	mGE, mHE, wJA, mMN
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Disseminated pyrite in silica altered quartzite in talus

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	34	1	13
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	36	-2	110

Q929922
SUM15-01

Sampler:
Tom Bell
15/07/2015

Easting:	353506 mE	SampleType:	Subcrop	Alteration:	sSI
Northing:	6856524 mN	Sample Width:	m	Metallics:	1%PY
Elevation:	m	True Width:	m	Secondaries:	wGE, sHE, wJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Disseminated pyrite in silica altered quartzite in talus

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	26	-1	5
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	33	-2	80

Q929923
SUM15-01

Sampler:
Tom Bell
15/07/2015

Easting:	353504 mE	SampleType:	Subcrop	Alteration:	sSI
Northing:	6856521 mN	Sample Width:	m	Metallics:	
Elevation:	m	True Width:	m	Secondaries:	sHE, wJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Quartzite in talus with abundant iron staining

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	42	-1	6
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	40	-2	120

Q929924
SUM15-01

Sampler:
Tom Bell
15/07/2015

Easting:	353503 mE	SampleType:	Subcrop	Alteration:	sSI
Northing:	6856514 mN	Sample Width:	m	Metallics:	1%PY
Elevation:	m	True Width:	m	Secondaries:	mHE, wJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Disseminated pyrite in quartzite talus

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	112	12	16
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
0.3	41	2	280

Rock Sample Descriptions

Q929925
SUM15-01

Sampler:
Tom Bell
15/07/2015

Easting:	353511 mE	SampleType:	Subcrop	Alteration:	sSI
Northing:	6856522 mN	Sample Width:	m	Metallics:	
Elevation:	m	True Width:	m	Secondaries:	mHE, sJA, sMN
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	14	1	21
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	54	-2	1280

Quartzite talus with abundant iron staining

Q929926
SUM15-01

Sampler:
Tom Bell
16/07/2015

Easting:	351817 mE	SampleType:	Float	Alteration:	sCB
Northing:	6856855 mN	Sample Width:	m	Metallics:	2.5%HS
Elevation:	m	True Width:	m	Secondaries:	sGE, mHE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartz-Monzonite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	4	-1	-2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	132	-2	130

Hematite-siderite vein in quartz monzonite

Q929927
SUM15-01

Sampler:
Tom Bell
16/07/2015

Easting:	352023 mE	SampleType:	Float	Alteration:	sBI, sSI
Northing:	6856588 mN	Sample Width:	m	Metallics:	1%PB, 1.5%MG, 0.1%ZN
Elevation:	m	True Width:	m	Secondaries:	mGE, mHE, wJA, sMN
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	97	-1	-2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
3.9	8570	8	180

Talus boulder with galena, sphalerite, magnetite and hematite. Possible subcrop.Rhyolite with finely disseminated pods of galena and sphalerite, locally associated with mm-scale rusty vugs. Abundant manganese oxides along fractures

Q929928
SUM15-01

Sampler:
Tom Bell
16/07/2015

Easting:	352027 mE	SampleType:	Float	Alteration:	sBI, sSI
Northing:	6856590 mN	Sample Width:	m	Metallics:	1%PB, 1.5%MG
Elevation:	m	True Width:	m	Secondaries:	sGE, mHE, mJA, sMN
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	76	-1	-2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
2.4	3690	7	440

One metre across slope from sample Q929927, with more galena. Rhyolite with finely disseminated pods of galena and sphalerite, locally associated with mm-scale rusty vugs. Abundant manganese oxides along fractures and weathering surfaces.

Rock Sample Descriptions

Q929929
SUM15-01

Sampler:
Tom Bell
16/07/2015

Easting:	352858 mE	SampleType:	Float	Alteration:	sSI
Northing:	6856793 mN	Sample Width:	m	Metallics:	1.5%PY
Elevation:	m	True Width:	m	Secondaries:	sGE, mHE, wJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	58	3	20
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
0.7	42	3	70

Disseminated pyrite in talus

Q929930
SUM15-01

Sampler:
Tom Bell
16/07/2015

Easting:	353514 mE	SampleType:	Float	Alteration:	sSI
Northing:	6857110 mN	Sample Width:	m	Metallics:	1.5%HS
Elevation:	m	True Width:	m	Secondaries:	wGE, sHE, wJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Rhyolite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	9	-1	2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	36	-2	30

Disseminated hematite in silica altered rhyolite with vuggy stockwork. Grab sample from one talus rock

Q929931
SUM15-01

Sampler:
Tom Bell
17/07/2015

Easting:	352200 mE	SampleType:	Float	Alteration:	sQZ
Northing:	6856788 mN	Sample Width:	m	Metallics:	0.1%HS
Elevation:	m	True Width:	m	Secondaries:	wHE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	11	1	-2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	26	-2	30

Vuggy stockwork quartz stringers in quartzite

Q929932
SUM15-01

Sampler:
Tom Bell
17/07/2015

Easting:	350658 mE	SampleType:	Float	Alteration:	sSI
Northing:	6856663 mN	Sample Width:	m	Metallics:	2.5%HS
Elevation:	m	True Width:	m	Secondaries:	sHE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Rhyolite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	3	1	-2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	108	-2	40

Hematite disseminated in silica altered rhyolite. Grab sample over 3 m of talus

Rock Sample Descriptions

Q929933
SUM15-01

Sampler:
Tom Bell
17/07/2015

Easting:	350521 mE	SampleType:	Float	Alteration:	
Northing:	6856229 mN	Sample Width:	m	Metallics:	1%HS
Elevation:	m	True Width:	m	Secondaries:	mHE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	2	1	-2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	253	-2	260

Silica altered quartzite taken from one big boulder

Q929934
SUM15-01

Sampler:
Tom Bell
22/07/2015

Easting:	349246 mE	SampleType:	Float	Alteration:	sCB
Northing:	6852301 mN	Sample Width:	m	Metallics:	2.5%HS
Elevation:	m	True Width:	m	Secondaries:	wHE, mMN
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Andesite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	24	-1	-2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	112	-2	190

Sample taken in creek gully

Q929935
SUM15-01

Sampler:
Tom Bell
22/07/2015

Easting:	349218 mE	SampleType:	Float	Alteration:	sBI, sSI
Northing:	6852118 mN	Sample Width:	m	Metallics:	1%PY
Elevation:	m	True Width:	m	Secondaries:	wGE, wHE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	506	6	5
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
1.4	66	-2	220

Disseminated pyrite in creek float. Weakly foliated quartzite with 3 mm wide quartz vein cutting foliation and weak to moderately silicified locally. Fracture-fill of moderate chlorite; 0.5% pyrite+/-chalcopyrite finely disseminated along foliations

Q929936
SUM15-01

Sampler:
Tom Bell
22/07/2015

Easting:	348990 mE	SampleType:	Float	Alteration:	sBI, sSI
Northing:	6851935 mN	Sample Width:	m	Metallics:	1%HS
Elevation:	m	True Width:	m	Secondaries:	wGE, mHE, wJA, mMN
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Schist		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	109	4	7
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	114	-2	200

Schist in talus, grab sample over 2 m radius

Rock Sample Descriptions

Q929937
SUM15-01

Sampler:
Tom Bell
23/07/2015

Easting:	350192 mE	SampleType:	Float	Alteration:	wSI
Northing:	6852640 mN	Sample Width:	m	Metallics:	1.5%HS
Elevation:	m	True Width:	m	Secondaries:	mGE, sHE, mMN
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Feldspar-Porphyry		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	13	-1	7
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	96	-2	100

Disseminated hematite in feldspar porphyry talus

Q929938
SUM15-01

Sampler:
Tom Bell
23/07/2015

Easting:	350416 mE	SampleType:	Float	Alteration:	sBI
Northing:	6851708 mN	Sample Width:	m	Metallics:	1%HS
Elevation:	m	True Width:	m	Secondaries:	wGE, sHE, sJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Schist		

Au g/t	Cu ppm	Mo ppm	As ppm
1.015	16	6	209
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
1.6	10	2	250

Abundant quartz stockwork crosscutting quartzite foliation, with mm-scale veinlets of quartz and somewhat rare >1mm weathered sulphide veinlets. Moderate to strong hematite, goethite and jarosite oxidation along fractures and weathering surfaces

Q929939
SUM15-01

Sampler:
Tom Bell
23/07/2015

Easting:	350266 mE	SampleType:	Float	Alteration:	sSI
Northing:	6851590 mN	Sample Width:	m	Metallics:	2.5%PY
Elevation:	m	True Width:	m	Secondaries:	mGE, mHE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	25	-1	4
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	13	-2	20

Talus sample with abundant pyrite

Q929940
SUM15-01

Sampler:
Tom Bell
23/07/2015

Easting:	350482 mE	SampleType:	Float	Alteration:	sSI, sBI
Northing:	6851439 mN	Sample Width:	m	Metallics:	
Elevation:	m	True Width:	m	Secondaries:	wGE, mHE, sJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Schist		

Au g/t	Cu ppm	Mo ppm	As ppm
4.09	16	5	562
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
26.2	17	-2	40

Glassy milky quartz stockwork in dark schist over 5m. Stockwork crosscutting quartzite foliation, with mm-scale veinlets of quartz and somewhat rare >1mm weathered sulphide veinlets; common vuggy frothy texture

Rock Sample Descriptions

Q929941	Easting:	350917 mE	SampleType:	Float	Alteration:	sSI	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6851859 mN	Sample Width:	m	Metallics:	1.5%PY	0.009	8	7	6
	Elevation:	m	True Width:	m	Secondaries:	wGE, wHE	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		1.6	26	2	50
Tom Bell	UTMZone:	8	HostRock:	Quartzite						
24/07/2015	Glassy milky quartz material in talus									
Q929942	Easting:	350956 mE	SampleType:	Float	Alteration:	sSI	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6851793 mN	Sample Width:	m	Metallics:	1.5%PY	0.005	36	1	193
	Elevation:	m	True Width:	m	Secondaries:	wGE, mHE, wJA	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		-0.2	32	-2	50
Tom Bell	UTMZone:	8	HostRock:	Quartzite						
24/07/2015	Milky quartz vein material in talus									
Q929943	Easting:	351361 mE	SampleType:	Float	Alteration:	sSI, sCY	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6851467 mN	Sample Width:	m	Metallics:	1.5%PY	-0.005	6	2	4
	Elevation:	m	True Width:	m	Secondaries:	sHE, sJA	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		-0.2	14	-2	30
Tom Bell	UTMZone:	8	HostRock:	Quartzite						
24/07/2015	Fine grained pyrite disseminated in strong silica altered quartzite talus. Grab sample over 3 m radius									
Q929944	Easting:	351440 mE	SampleType:	Grab	Alteration:	sSI	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6851494 mN	Sample Width:	1 m	Metallics:	1.5%PY	-0.005	7	3	5
	Elevation:	m	True Width:	1 m	Secondaries:	wGE, sHE, sJA	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		-0.2	11	-2	20
Tom Bell	UTMZone:	8	HostRock:	Quartzite						
24/07/2015	Grab sample across silica altered outcrop with fine grained pyrite									

Rock Sample Descriptions

Q929945
SUM15-01

Sampler:
Tom Bell
24/07/2015

Easting:	351444 mE	SampleType:	Grab	Alteration:	sSI
Northing:	6851493 mN	Sample Width:	1 m	Metallics:	1.5%PY
Elevation:	m	True Width:	1 m	Secondaries:	wGE, sHE, sJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	4	1	3

Ag ppm	Zn ppm	Sb ppm	Ba ppm
-0.2	38	-2	20

5 m across slope from Q929944, more silica altered quartzite with fine pyrite and brecciated fractures of clear quartz and pyrite. Grab sample from outcrop

Q929946
SUM15-01

Sampler:
Tom Bell
25/07/2015

Easting:	349468 mE	SampleType:	Float	Alteration:	sSI, wCY
Northing:	6851828 mN	Sample Width:	m	Metallics:	1.5%HS
Elevation:	m	True Width:	m	Secondaries:	mHE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Rhyolite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	4	-1	-2

Ag ppm	Zn ppm	Sb ppm	Ba ppm
-0.2	57	-2	30

Quartz flooding and banding in rhyolite talus

Q929947
SUM15-01

Sampler:
Tom Bell
25/07/2015

Easting:	349520 mE	SampleType:	Grab	Alteration:	mSI
Northing:	6851710 mN	Sample Width:	2 m	Metallics:	1.5%HS
Elevation:	m	True Width:	2 m	Secondaries:	wGE, sHE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Rhyolite		

Au g/t	Cu ppm	Mo ppm	As ppm
0.029	11	2	98

Ag ppm	Zn ppm	Sb ppm	Ba ppm
0.3	62	-2	10

Bleached rhyolite outcrop with hematite on fractures and disseminated

Q929948
SUM15-01

Sampler:
Tom Bell
27/07/2015

Easting:	345596 mE	SampleType:	Float	Alteration:	sQZ
Northing:	6853944 mN	Sample Width:	m	Metallics:	1.5%HS, 0.1%PY
Elevation:	m	True Width:	m	Secondaries:	wGE, mHE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Schist		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	51	4	3

Ag ppm	Zn ppm	Sb ppm	Ba ppm
-0.2	18	-2	80

Quartz schist with milky white quartz veins and trace pyrite in subcrop. Grab sample over 1 m

Rock Sample Descriptions

Q929949
SUM15-01

Sampler:
Tom Bell
27/07/2015

Easting:	345606 mE	SampleType:	Float	Alteration:	wEP, wMS
Northing:	6854027 mN	Sample Width:	m	Metallics:	1.5%PY
Elevation:	m	True Width:	m	Secondaries:	wGE, wHE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartz-Monzonite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	198	2	-2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
0.4	19	-2	50

Quartz monzonite talus

Q929950
SUM15-01

Sampler:
Tom Bell
27/07/2015

Easting:	347837 mE	SampleType:	Float	Alteration:	sQZ
Northing:	6852455 mN	Sample Width:	m	Metallics:	
Elevation:	m	True Width:	m	Secondaries:	mHE, sJA
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Schist		

Au g/t	Cu ppm	Mo ppm	As ppm
1.245	52	61	1575
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
11.6	69	4	320

Vuggy frothy quartz veins and stringers in quartz schist talus. Strong silica and moderate clay alteration, but lacks foliation. Moderate goethite, weak jarosite and trace hematite and sulphides

Q930001
SUM15-01

Sampler:
Thomas Branson
14/07/2015

Easting:	354517 mE	SampleType:	Float+Grab	Alteration:	wCA
Northing:	6856540 mN	Sample Width:	0.2 m	Metallics:	0.3%PY
Elevation:	m	True Width:	0.3 m	Secondaries:	wGE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Biotite Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	50	1	9
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	89	-2	120

Pyrite along fractures

Q930002
SUM15-01

Sampler:
Thomas Branson
14/07/2015

Easting:	353915 mE	SampleType:	Float	Alteration:	mMS, mSI
Northing:	6856406 mN	Sample Width:	0.2 m	Metallics:	0.5%PY
Elevation:	m	True Width:	0.2 m	Secondaries:	
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Rhyolite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	23	1	3
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	94	-2	100

Disseminated pyrite in matrix of moderately altered volcanic

Rock Sample Descriptions

Q930003
SUM15-01

Sampler:
Thomas Branson
14/07/2015

Easting:	353621 mE	SampleType:	Float	Alteration:	sAB
Northing:	6856586 mN	Sample Width:	0.2 m	Metallics:	0.1%PY
Elevation:	m	True Width:	0.2 m	Secondaries:	mGE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Rhyolite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	7	1	-2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	64	-2	30

Strongly bleached rhyolite with weathered out sulphides. Trace fresh pyrite. Common 2-4mm acicular crystals.

Q930004
SUM15-01

Sampler:
Thomas Branson
15/07/2015

Easting:	357017 mE	SampleType:	Float	Alteration:	wMS, wCL
Northing:	6854925 mN	Sample Width:	0.2 m	Metallics:	0.5%PY
Elevation:	m	True Width:	0.2 m	Secondaries:	
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Rhyolite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	19	1	2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	114	-2	100

Disseminated pyrite hosted in equigranular groundmass of rhyolite with strong reaction to HCL.

Q930005
SUM15-01

Sampler:
Thomas Branson
15/07/2015

Easting:	356731 mE	SampleType:	Float	Alteration:	
Northing:	6854334 mN	Sample Width:	0.2 m	Metallics:	1%SP
Elevation:	m	True Width:	0.2 m	Secondaries:	wGE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Biotite quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	45	-1	3
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	51	-2	180

Dark brown to black crystalline mineral forming along foliation of biotite quartzite with reddish brown streak. Thickness of 'mineralization' approximately 2 cm

Q930006
SUM15-01

Sampler:
Thomas Branson
15/07/2015

Easting:	356533 mE	SampleType:	Float	Alteration:	sMS, mSI
Northing:	6854297 mN	Sample Width:	0.2 m	Metallics:	3%PY, 0.5%PO
Elevation:	m	True Width:	0.2 m	Secondaries:	sGE, sLI
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Rhyolite		

Au g/t	Cu ppm	Mo ppm	As ppm
0.03	1700	2	27
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
1.5	33	-2	10

Numerous gossanous boulders with disseminated and fracture fill pyrite+/-pyrrhotite. Sample taken immediately downslope of gossanous subcrop.

Rock Sample Descriptions

Q930007	Easting:	356059 mE	SampleType:	Float	Alteration:		**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6854315 mN	Sample Width:	0.4 m	Metallics:	2%PY	-0.005	113	-1	14
	Elevation:	m	True Width:	0.4 m	Secondaries:	mGE	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		-0.2	39	-2	180
Thomas Branson	UTMZone:	8	HostRock:	Biotite quartzite						
15/07/2015	Boulder with gossanous exterior and disseminated pyrite									
Q930008	Easting:	356023 mE	SampleType:	Float	Alteration:	sSI, sMS	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6854342 mN	Sample Width:	0.2 m	Metallics:	5%PY	0.005	421	-1	14
	Elevation:	m	True Width:	0.4 m	Secondaries:	sGE	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		0.2	18	-2	40
Thomas Branson	UTMZone:	8	HostRock:	Biotite quartzite						
15/07/2015	Gossanous boulder									
Q930009	Easting:	349075 mE	SampleType:	Float	Alteration:	sSI	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6853445 mN	Sample Width:	0.3 m	Metallics:	0.1%PY	0.038	11	1	3
	Elevation:	m	True Width:	0.3 m	Secondaries:	mGE	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		-0.2	121	-2	20
Thomas Branson	UTMZone:	8	HostRock:	Lapilli Tuff						
22/07/2015	Silicified lapilli tuff with 2-4mm spherules									
Q930010	Easting:	348944 mE	SampleType:	Float	Alteration:	iCY	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6852928 mN	Sample Width:	0.3 m	Metallics:	0.1%PY	0.013	6	1	4
	Elevation:	m	True Width:	0.3 m	Secondaries:	sGE	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		-0.2	80	-2	40
Thomas Branson	UTMZone:	8	HostRock:	Feldspar Porphyry						
22/07/2015	Intensely clay altered veinlet stockwork cuts through host with near total obliteration to goethite. Proximal to assumed margin of Ruby Range monzonites									

Rock Sample Descriptions

Q930011
SUM15-01

Sampler:
Thomas Branson
22/07/2015

Easting:	348860 mE	SampleType:	Float+Subcrop	Alteration:	sCY
Northing:	6852901 mN	Sample Width:	0.3 m	Metallics:	0.1%PY
Elevation:	m	True Width:	0.3 m	Secondaries:	sGE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Spherulite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	6	1	6
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	70	-2	10

Strongly altered and oxidized spherulite in an area 3x3m wide

Q930012
SUM15-01

Sampler:
Thomas Branson
23/07/2015

Easting:	349254 mE	SampleType:	Float	Alteration:	wSI
Northing:	6852319 mN	Sample Width:	0.2 m	Metallics:	0.2%MO
Elevation:	m	True Width:	0.2 m	Secondaries:	wCL
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	27	51	2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	27	-2	150

Weak stockwork quartz veining cutting quartzite hosting rare blebs of molybdenite up to 4mm long. Actinolite crystals are also hosted along veins and fractures. Quartz veins are 3-6 mm wide and cut across foliation

Q930013
SUM15-01

Sampler:
Thomas Branson
23/07/2015

Easting:	349259 mE	SampleType:	Float	Alteration:	sSI, mMS
Northing:	6852311 mN	Sample Width:	0.2 m	Metallics:	
Elevation:	m	True Width:	0.2 m	Secondaries:	sGE, mLI
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Spherulitic tuff		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	9	1	-2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	81	-2	10

Rusty boulder of spherulitic tuff with appearance of moderate hydrothermal fluid flow and subsequent oxidation.

Q930014
SUM15-01

Sampler:
Thomas Branson
23/07/2015

Easting:	349223 mE	SampleType:	Float	Alteration:	wCL
Northing:	6852243 mN	Sample Width:	0.2 m	Metallics:	0.2%MO
Elevation:	m	True Width:	0.2 m	Secondaries:	
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Biotite quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	121	98	3
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	58	-2	280

Same as Q930012

Rock Sample Descriptions

Q930015
SUM15-01

Sampler:
Thomas Branson
23/07/2015

Easting:	349212 mE	SampleType:	Grab	Alteration:	iCY, mMS, wCL
Northing:	6852113 mN	Sample Width:	0.4 m	Metallics:	0.1%TT, 0.1%PY
Elevation:	m	True Width:	5 m	Secondaries:	mGE, mLI, HE
Projection:	NAD83	Structure:	Jointing	Strike/Dip:	5°/49°
UTMZone:	8	HostRock:	Feldspar Porphyry		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	5	2	-2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	65	2	-10

Intensely clay altered with patchy sericite and chlorite alteration. Possible tetrahedrite

Q930016
SUM15-01

Sampler:
Thomas Branson
23/07/2015

Easting:	349212 mE	SampleType:	Float	Alteration:	wMS, wCL, wDI
Northing:	6852052 mN	Sample Width:	0.3 m	Metallics:	1%PY, 0.2%PO
Elevation:	m	True Width:	0.3 m	Secondaries:	mGE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Biotite quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	990	6	6
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
0.9	29	-2	80

Boulder with gossan around quartz boudins hosting pyrite+/-pyrrhotite. Both sulphides also disseminated along foliation. Weak calc silicate replacement locally

Q930017
SUM15-01

Sampler:
Thomas Branson
23/07/2015

Easting:	349202 mE	SampleType:	Grab+lithogeoche	Alteration:	wCB
Northing:	6852039 mN	Sample Width:	0.2 m	Metallics:	
Elevation:	m	True Width:	0.5 m	Secondaries:	wFE
Projection:	NAD83	Structure:	Jointing	Strike/Dip:	175°/72°
UTMZone:	8	HostRock:	Mafic dyke		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	31	-1	3
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	80	-2	90

Lithogeochem sample of mafic dyke

Q930018
SUM15-01

Sampler:
Thomas Branson
27/07/2015

Easting:	345657 mE	SampleType:	Float	Alteration:	mSI, wMS, wCL
Northing:	6853918 mN	Sample Width:	0.2 m	Metallics:	1%PY
Elevation:	m	True Width:	0.4 m	Secondaries:	wGE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Porphyry		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	6	1	3
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	85	-2	80

Disseminated pyrite in silicified porphyry

Rock Sample Descriptions

Q930019
SUM15-01

Sampler:
Thomas Branson
27/07/2015

Easting:	345871 mE	SampleType:	Float	Alteration:	sSI
Northing:	6853995 mN	Sample Width:	2 m	Metallics:	3%PY
Elevation:	m	True Width:	2 m	Secondaries:	sGE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
0.11	683	-1	2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
1.2	17	5	30

2m wide area with abundant gossanous cobbles in float. Strongly chlorite altered quartzite hosting 3% disseminated pyrite with crystals up to 1 mm and local blebs up to 1 cm wide. Strong to intense goethite and hematite oxidation

Q930020
SUM15-01

Sampler:
Thomas Branson
28/07/2015

Easting:	351790 mE	SampleType:	Grab	Alteration:	mSI
Northing:	6851900 mN	Sample Width:	0.2 m	Metallics:	0.2%PY
Elevation:	m	True Width:	1 m	Secondaries:	wGE
Projection:	NAD83	Structure:	Joint	Strike/Dip:	180°/90°
UTMZone:	8	HostRock:	Andesite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	19	1	2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
-0.2	108	-2	70

Disseminated pyrite in matrix

Q930021
SUM15-01

Sampler:
Thomas Branson
30/07/2015

Easting:	350488 mE	SampleType:	Grab+subcrop	Alteration:	mSI, wMS, mmDI
Northing:	6854308 mN	Sample Width:	0.2 m	Metallics:	
Elevation:	m	True Width:	0.2 m	Secondaries:	wMN
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Dacite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	7	-1	3
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
0.2	157	-2	110

Small possible subcrop of fine grained dacite? With moderate silica and sericite

Q930022
SUM15-01

Sampler:
Thomas Branson
30/07/2015

Easting:	350572 mE	SampleType:	Float	Alteration:	sSI, mDI
Northing:	6854402 mN	Sample Width:	0.1 m	Metallics:	
Elevation:	m	True Width:	0.1 m	Secondaries:	mMN, mHE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Monzonite/dacite		

Au g/t	Cu ppm	Mo ppm	As ppm
-0.005	23	586	2
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
0.6	232	3	550

Similar to Q930021. Contact between moderately sericite altered monzonite with weak jarosite and hornfelsed volcanic, presumed to be dacite, with moderate chlorite alteration and weak hematite, goethite and jarosite staining

Rock Sample Descriptions

Q930023
SUM15-01

Sampler:
Thomas Branson
31/07/2015

Easting:	349003 mE	SampleType:	Float	Alteration:	mSI, mAC
Northing:	6855725 mN	Sample Width:	0.2 m	Metallics:	
Elevation:	m	True Width:	0.4 m	Secondaries:	mMC, wGE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
0.462	2980	5	14
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
2.1	84	9	30

Malachite on fracture surfaces throughout boulder. Common 0.2mm acicular actinolite along foliation planes.

Q930024
SUM15-01

Sampler:
Thomas Branson
31/07/2015

Easting:	349002 mE	SampleType:	Float	Alteration:	mSI
Northing:	6855718 mN	Sample Width:	0.2 m	Metallics:	
Elevation:	m	True Width:	0.3 m	Secondaries:	mMC, wGE, MN
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
0.056	3990	4	12
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
2.3	71	2	60

Another boulder with malachite along fractures. Generally localized area of mineralization

Q930025
SUM15-01

Sampler:
Thomas Branson
31/07/2015

Easting:	349000 mE	SampleType:	Float	Alteration:	mSI
Northing:	6855723 mN	Sample Width:	0.2 m	Metallics:	
Elevation:	m	True Width:	0.3 m	Secondaries:	mMC, wGE, MN
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
0.062	2050	1	7
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
1.6	120	3	50

Malachite on fractures

Q930026
SUM15-01

Sampler:
Thomas Branson
31/07/2015

Easting:	349002 mE	SampleType:	Float	Alteration:	mSI
Northing:	6855728 mN	Sample Width:	0.3 m	Metallics:	0.1%CP, 0.1%PY
Elevation:	m	True Width:	0.4 m	Secondaries:	wMC, wGE
Projection:	NAD83	Structure:		Strike/Dip:	
UTMZone:	8	HostRock:	Quartzite		

Au g/t	Cu ppm	Mo ppm	As ppm
0.025	1630	2	18
Ag ppm	**Zn ppm**	**Sb ppm**	**Ba ppm**
1.6	121	3	40

Disseminated chalcopyrite and pyrite in boulder with contact between quartzite and rhyolite. Minor malachite on fractures

Rock Sample Descriptions

Q930027	Easting:	349053 mE	SampleType:	Float	Alteration:	sSI, mMS	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6855842 mN	Sample Width:	0.2 m	Metallics:	0.5%PY	-0.005	111	2	2
	Elevation:	m	True Width:	0.2 m	Secondaries:	sGE	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		0.2	9	-2	40
Thomas Branson	UTMZone:	8	HostRock:	Quartzite						
31/07/2015	Disseminated pyrite with strong silica and moderate sericite. Boulders nearby somewhat rusty but no sulphides									
R203251	Easting:	349248 mE	SampleType:	Float	Alteration:	wEP	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6855066 mN	Sample Width:	m	Metallics:	0.1%PY	-0.005	134	-1	6
	Elevation:	m	True Width:	m	Secondaries:	wHE	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		0.2	366	-2	60
Tom Bell	UTMZone:	8	HostRock:	Quartz-Monzonite						
28/07/2015	Quartz monzonite talus with weak hematite and trace pyrite									
R203252	Easting:	347961 mE	SampleType:	Float	Alteration:	sBI, sQTZ	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6856277 mN	Sample Width:	m	Metallics:	1%PY	-0.005	36	1	3
	Elevation:	m	True Width:	m	Secondaries:	mGE, mHE, sJA	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		-0.2	21	-2	190
Tom Bell	UTMZone:	8	HostRock:	Schist						
31/07/2015	Schist talus with pyrite and abundant iron oxides. Grab sample over 1 m of talus									
R203253	Easting:	348588 mE	SampleType:	Float	Alteration:	sBI	**Au g/t**	**Cu ppm**	**Mo ppm**	**As ppm**
SUM15-01	Northing:	6857207 mN	Sample Width:	m	Metallics:	1%PY	-0.005	41	2	2
	Elevation:	m	True Width:	m	Secondaries:	sGE, mHE, sJA	**Ag ppm**	**Zn ppm**	**Sb ppm**	**Ba ppm**
Sampler:	Projection:	NAD83	Structure:		Strike/Dip:		0.3	28	-2	110
Tom Bell	UTMZone:	8	HostRock:	Schist						
31/07/2015	Pyrite in schist sampled from outcrop									

Appendix D: Geochemical Certificates

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

CERTIFICATE WH15113506

Project: SUM15-01

P.O. No.: SUM15-01_1

This report is for 314 Soil samples submitted to our lab in Whitehorse, YT, Canada on 30-JUL-2015.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL	THOMAS BRANSON	SUMAC MINES

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **EQUITY EXPLORATION CONSULTANTS LTD.**
ATTN: THOMAS BRANSON
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S232201		0.49	<0.005	<0.2	1.59	10	<10	80	<0.5	<2	0.13	<0.5	10	24	17	2.81
S232202		0.45	0.005	<0.2	1.54	8	<10	100	0.7	<2	0.28	<0.5	8	28	18	2.29
S232203		0.51	<0.005	<0.2	1.41	9	<10	80	<0.5	2	0.13	<0.5	7	22	21	2.91
S232204		0.45	<0.005	0.4	2.80	12	<10	110	0.8	2	0.16	<0.5	8	40	17	3.73
S232205		0.56	<0.005	<0.2	1.42	10	<10	60	0.5	<2	0.25	<0.5	6	23	23	2.72
S232206		0.43	<0.005	<0.2	2.61	9	<10	130	2.0	<2	0.25	<0.5	14	44	28	3.20
S232207		0.47	<0.005	0.2	2.25	10	<10	90	1.0	<2	0.37	0.7	13	52	22	3.24
S232208		0.49	<0.005	<0.2	1.15	7	<10	50	<0.5	<2	0.15	<0.5	5	24	11	2.16
S232209		0.52	<0.005	<0.2	1.61	6	<10	150	0.5	<2	0.34	<0.5	9	39	20	2.78
S232210		0.58	0.013	0.2	2.25	12	<10	170	0.8	2	0.32	<0.5	14	53	54	3.02
S232211		0.58	<0.005	<0.2	1.72	12	<10	120	<0.5	<2	0.29	<0.5	9	35	29	2.28
S232212		0.46	<0.005	0.2	1.68	6	<10	130	<0.5	<2	0.34	<0.5	12	33	40	2.33
S232213		0.31	0.006	<0.2	1.86	17	<10	80	<0.5	2	0.16	<0.5	7	33	25	3.77
S232214		0.41	0.007	<0.2	1.98	17	<10	90	0.5	3	0.25	<0.5	14	36	55	2.93
S232215		0.51	0.012	<0.2	1.62	16	<10	90	<0.5	2	0.23	<0.5	10	35	58	2.81
S232216		0.39	0.011	0.2	2.23	15	<10	110	0.6	<2	0.28	<0.5	12	41	103	2.93
S232217		0.54	<0.005	<0.2	1.62	14	<10	80	<0.5	<2	0.22	<0.5	9	36	77	2.41
S232218		0.38	0.008	<0.2	1.93	12	<10	90	0.5	2	0.22	<0.5	10	38	44	2.82
S232219		0.34	0.006	0.2	1.88	13	<10	90	0.5	<2	0.14	<0.5	9	33	28	3.18
S232220		0.46	<0.005	<0.2	1.87	14	<10	70	<0.5	<2	0.13	<0.5	7	32	29	3.80
S232221		0.43	0.012	<0.2	1.58	10	<10	80	<0.5	<2	0.20	<0.5	9	34	31	2.84
S232222		0.48	0.005	<0.2	2.01	18	<10	100	0.6	2	0.24	<0.5	13	40	48	3.10
S232223		0.54	0.013	<0.2	1.94	19	<10	90	0.5	<2	0.31	<0.5	9	41	44	2.62
S232224		0.38	<0.005	<0.2	2.28	10	<10	160	0.9	2	0.23	<0.5	10	38	24	3.81
S232225		0.43	<0.005	<0.2	2.08	9	<10	150	0.7	<2	0.26	<0.5	9	35	21	3.41
S232226		0.40	<0.005	<0.2	2.72	7	<10	140	0.6	<2	0.36	<0.5	14	37	22	3.56
S232227		0.42	0.008	<0.2	2.11	9	<10	110	0.7	<2	0.25	<0.5	10	35	21	3.73
S232228		0.44	<0.005	<0.2	2.34	13	<10	130	0.6	<2	0.18	<0.5	12	40	20	4.42
S232229		0.40	<0.005	0.3	2.14	12	<10	120	0.5	<2	0.17	<0.5	10	33	23	3.35
S232230		0.47	<0.005	0.3	1.73	11	<10	90	<0.5	<2	0.15	<0.5	7	29	18	3.57
S232231		0.42	<0.005	0.2	1.28	7	<10	160	0.5	<2	0.23	<0.5	11	25	24	3.15
S232232		0.41	<0.005	<0.2	1.98	8	<10	140	0.7	<2	0.21	<0.5	8	35	23	3.35
S232233		0.43	<0.005	<0.2	2.02	10	<10	100	1.0	2	0.20	<0.5	10	36	25	3.41
S232234		0.42	0.006	<0.2	2.26	10	<10	90	0.5	<2	0.14	<0.5	10	37	24	3.56
S232235		0.40	<0.005	<0.2	2.09	11	<10	130	0.9	<2	0.24	<0.5	13	36	32	3.52
S232236		0.34	0.011	<0.2	1.96	9	<10	90	0.8	4	0.28	<0.5	10	35	28	3.20
S232237		0.39	0.005	0.2	2.39	10	<10	120	0.7	<2	0.31	<0.5	11	37	27	3.32
S232238		0.46	0.005	<0.2	2.37	9	<10	100	0.7	<2	0.20	<0.5	12	39	27	3.21
S232239		0.46	<0.005	<0.2	2.53	10	<10	100	0.6	<2	0.21	<0.5	12	38	27	3.07
S232240		0.34	<0.005	<0.2	2.35	4	<10	140	0.6	<2	0.27	<0.5	13	46	25	3.76

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S232201		10	<1	0.06	10	0.30	664	1	0.02	13	440	21	0.01	2	2	15
S232202		10	<1	0.09	10	0.43	384	<1	0.02	21	420	22	0.01	<2	3	24
S232203		10	<1	0.05	10	0.26	285	2	0.01	14	320	16	0.01	<2	2	16
S232204		10	<1	0.05	10	0.45	262	1	0.01	20	330	11	0.02	<2	4	16
S232205		10	<1	0.05	10	0.28	188	1	0.01	15	320	12	0.02	<2	2	27
S232206		10	<1	0.15	50	0.71	553	<1	0.01	34	450	22	0.02	<2	6	23
S232207		10	<1	0.14	10	0.82	692	1	0.01	32	490	22	0.02	<2	4	31
S232208		10	<1	0.13	10	0.37	225	1	0.01	12	290	10	0.01	<2	2	16
S232209		10	<1	0.19	20	0.72	461	<1	0.01	27	610	8	0.02	<2	3	34
S232210		10	1	0.20	20	0.96	326	<1	0.01	52	780	11	0.01	<2	5	28
S232211		10	<1	0.10	10	0.57	178	<1	0.01	18	700	8	0.02	<2	3	26
S232212		10	<1	0.07	10	0.52	496	<1	0.02	18	870	11	0.04	<2	3	31
S232213		10	<1	0.05	10	0.34	247	1	0.01	16	300	12	0.02	<2	3	17
S232214		10	<1	0.11	10	0.58	527	<1	0.02	25	450	7	0.03	<2	4	22
S232215		10	<1	0.11	10	0.53	317	<1	0.01	23	440	5	0.02	<2	3	29
S232216		10	1	0.13	10	0.61	388	<1	0.02	26	650	10	0.05	<2	4	42
S232217		10	<1	0.18	10	0.62	249	<1	0.01	22	400	6	0.03	<2	3	28
S232218		10	<1	0.18	10	0.57	276	<1	0.01	23	510	4	0.05	<2	3	30
S232219		10	<1	0.12	10	0.42	330	1	0.01	19	500	9	0.03	3	3	25
S232220		10	<1	0.10	10	0.42	198	1	0.01	17	250	10	0.01	<2	3	18
S232221		10	<1	0.17	10	0.50	254	<1	0.01	20	390	4	0.02	<2	3	22
S232222		10	<1	0.19	10	0.64	406	<1	0.01	25	400	6	0.01	<2	4	28
S232223		10	<1	0.12	10	0.64	261	<1	0.01	23	730	16	0.04	2	3	27
S232224		10	<1	0.06	10	0.62	438	1	0.01	24	550	10	0.04	<2	3	23
S232225		10	<1	0.05	10	0.58	402	1	0.01	23	550	9	0.04	<2	3	25
S232226		10	<1	0.08	10	0.92	442	<1	0.03	32	680	6	0.03	<2	4	39
S232227		10	1	0.06	10	0.67	413	1	0.01	23	880	5	0.07	<2	2	30
S232228		10	<1	0.06	10	0.85	454	1	0.01	29	660	9	0.06	<2	3	31
S232229		10	<1	0.07	10	0.60	324	1	0.01	24	590	8	0.06	2	3	22
S232230		10	<1	0.07	10	0.45	330	1	0.01	17	510	6	0.04	<2	2	17
S232231		10	<1	0.06	10	0.32	1275	2	0.01	17	830	9	0.07	2	1	27
S232232		10	<1	0.05	10	0.53	394	1	0.01	21	520	12	0.05	<2	2	23
S232233		10	<1	0.06	10	0.56	412	1	0.01	25	470	17	0.04	<2	2	20
S232234		10	<1	0.08	10	0.71	454	1	0.01	23	680	7	0.07	<2	3	17
S232235		10	<1	0.08	10	0.64	663	1	0.01	28	710	14	0.06	<2	3	23
S232236		10	<1	0.07	10	0.61	448	1	0.01	23	420	22	0.04	<2	3	24
S232237		10	<1	0.07	10	0.78	474	<1	0.01	27	550	12	0.05	3	3	26
S232238		10	1	0.07	10	0.68	494	<1	0.01	28	420	11	0.03	2	3	18
S232239		10	<1	0.07	10	0.68	512	<1	0.01	29	480	11	0.04	2	3	20
S232240		10	<1	0.06	10	0.91	448	1	0.02	31	920	7	0.06	<2	2	33

***** See Appendix Page for comments regarding this certificate *****

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1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S232201		<20	0.10	<10	<10	77	<10	47
S232202		<20	0.11	<10	<10	59	<10	63
S232203		<20	0.11	<10	<10	84	<10	60
S232204		<20	0.13	<10	<10	93	<10	59
S232205		<20	0.09	<10	<10	80	<10	52
S232206		20	0.11	<10	10	65	<10	75
S232207		<20	0.09	<10	10	66	<10	101
S232208		<20	0.11	<10	<10	62	<10	45
S232209		<20	0.10	<10	<10	57	<10	75
S232210		<20	0.15	<10	<10	62	<10	67
S232211		<20	0.10	<10	<10	51	<10	51
S232212		<20	0.10	<10	<10	57	<10	55
S232213		<20	0.14	<10	<10	101	<10	62
S232214		<20	0.12	<10	<10	64	<10	62
S232215		<20	0.12	<10	<10	63	<10	52
S232216		<20	0.12	<10	<10	67	<10	59
S232217		<20	0.12	<10	<10	53	<10	46
S232218		<20	0.12	<10	<10	61	<10	45
S232219		<20	0.09	<10	<10	71	<10	54
S232220		<20	0.16	<10	<10	104	<10	49
S232221		<20	0.13	<10	<10	63	<10	47
S232222		<20	0.15	<10	<10	68	<10	58
S232223		<20	0.09	<10	<10	55	<10	61
S232224		<20	0.13	<10	<10	90	<10	97
S232225		<20	0.12	<10	<10	81	<10	85
S232226		<20	0.18	<10	<10	77	<10	70
S232227		<20	0.13	<10	<10	80	<10	75
S232228		<20	0.17	<10	<10	93	<10	75
S232229		<20	0.09	<10	<10	75	<10	54
S232230		<20	0.10	<10	<10	82	<10	64
S232231		<20	0.08	<10	<10	81	<10	79
S232232		<20	0.09	<10	<10	79	<10	80
S232233		<20	0.10	<10	<10	74	<10	81
S232234		<20	0.07	<10	<10	80	<10	66
S232235		<20	0.10	<10	<10	80	<10	121
S232236		<20	0.11	<10	<10	74	<10	83
S232237		<20	0.11	<10	<10	73	<10	74
S232238		<20	0.11	<10	<10	73	<10	70
S232239		<20	0.10	<10	<10	68	<10	66
S232240		<20	0.08	<10	<10	78	<10	78

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S232241		0.43	<0.005	<0.2	2.29	8	<10	90	0.6	<2	0.21	<0.5	11	33	25	2.65
S232242		0.47	<0.005	<0.2	1.95	8	<10	90	0.5	2	0.17	<0.5	10	32	25	3.12
S232243		0.47	0.005	<0.2	2.12	11	<10	70	0.6	<2	0.16	<0.5	10	31	21	2.85
S232244		0.44	<0.005	<0.2	1.78	7	<10	100	<0.5	<2	0.20	<0.5	9	33	22	3.04
S232245		0.45	<0.005	<0.2	1.82	11	<10	90	<0.5	<2	0.14	<0.5	7	32	20	3.08
S232246		0.44	<0.005	<0.2	2.37	6	<10	120	0.6	<2	0.25	<0.5	12	34	26	2.76
S232247		0.39	<0.005	<0.2	1.80	6	<10	90	<0.5	<2	0.22	<0.5	10	28	22	2.52
S232248		0.39	<0.005	<0.2	1.70	6	<10	110	<0.5	2	0.22	<0.5	9	27	22	2.56
S232249		0.40	<0.005	<0.2	1.83	5	<10	120	<0.5	<2	0.33	<0.5	9	32	20	2.69
S232250		0.06	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	1	1	0.03
S232251		0.56	<0.005	<0.2	2.77	4	<10	180	1.4	<2	0.63	<0.5	14	38	25	3.59
S232252		0.43	<0.005	<0.2	1.76	6	<10	130	0.6	<2	0.38	<0.5	11	33	30	2.72
S231501		0.65	<0.005	0.2	1.71	11	<10	130	0.6	<2	0.30	<0.5	7	35	22	2.44
S231502		0.63	<0.005	0.5	1.84	14	<10	140	0.7	3	0.27	<0.5	8	37	23	2.84
S231503		0.34	<0.005	0.2	1.41	5	<10	110	0.5	4	0.28	<0.5	7	28	15	1.82
S231504		0.61	0.007	0.2	1.84	6	<10	120	0.6	2	0.42	<0.5	9	43	16	2.37
S231505		0.52	<0.005	0.2	1.67	10	<10	110	<0.5	<2	0.23	<0.5	10	30	17	2.50
S231506		0.36	<0.005	0.5	1.49	9	<10	120	0.5	<2	0.34	<0.5	9	30	16	2.16
S231507		0.43	<0.005	0.4	1.59	23	<10	130	0.9	3	0.37	<0.5	17	31	22	4.03
S231508		0.65	<0.005	0.4	1.81	6	<10	120	0.6	3	0.33	<0.5	7	32	16	2.23
S231509		0.67	<0.005	0.2	2.06	7	<10	110	1.3	4	0.31	<0.5	6	39	24	2.52
S231510		0.42	0.006	<0.2	1.18	6	<10	90	<0.5	<2	0.35	<0.5	7	25	18	1.95
S231511		0.44	<0.005	<0.2	1.77	5	<10	130	0.5	<2	0.33	<0.5	6	34	21	2.06
S231512		0.43	<0.005	0.2	1.11	13	<10	80	<0.5	<2	0.28	<0.5	9	22	12	2.58
S231513		0.44	<0.005	0.2	1.11	6	<10	70	<0.5	<2	0.24	<0.5	9	22	20	2.01
S231514		0.41	<0.005	0.5	2.15	8	<10	160	0.9	<2	0.28	<0.5	12	34	30	2.70
S231515		0.49	<0.005	0.2	2.20	11	<10	140	0.7	<2	0.26	<0.5	9	35	20	3.32
S231516		0.42	0.008	0.2	2.47	12	<10	170	0.8	<2	0.34	<0.5	14	42	24	3.77
S231517		0.49	<0.005	<0.2	1.96	6	<10	130	1.0	<2	0.32	<0.5	10	29	17	3.05
S231518		0.38	<0.005	0.2	2.14	13	<10	130	0.8	<2	0.19	<0.5	10	33	23	3.78
S231519		0.44	<0.005	0.2	2.29	22	<10	120	0.7	<2	0.27	<0.5	12	42	27	3.78
S231520		0.48	0.024	0.2	1.79	10	<10	90	0.6	<2	0.22	<0.5	9	34	23	2.79
S231521		0.47	0.012	<0.2	1.83	23	<10	110	0.6	<2	0.23	<0.5	14	38	29	3.30
S231522		0.52	<0.005	<0.2	2.00	13	<10	160	0.8	2	0.33	<0.5	13	39	24	3.26
S231523		0.32	<0.005	<0.2	0.31	<2	<10	20	<0.5	<2	0.20	<0.5	4	7	7	1.72
S231524		0.33	<0.005	<0.2	0.50	3	<10	40	<0.5	<2	0.11	<0.5	6	8	6	0.90
S231525		0.31	<0.005	<0.2	0.60	3	<10	50	<0.5	<2	0.10	<0.5	7	12	11	1.24
S231526		0.43	<0.005	<0.2	1.46	15	<10	80	<0.5	2	0.16	<0.5	8	28	16	3.33
S231527		0.62	0.009	<0.2	1.61	8	<10	130	0.6	<2	0.29	<0.5	9	33	27	2.68
S231528		0.56	0.005	<0.2	1.33	9	<10	90	<0.5	2	0.20	<0.5	6	25	19	2.27

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VANCOUVER BC V6C 3R8

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S232241		10	<1	0.07	10	0.60	417	<1	0.01	24	400	10	0.02	<2	3	20
S232242		10	<1	0.06	10	0.52	464	1	0.01	19	640	11	0.05	2	2	19
S232243		10	1	0.08	10	0.53	447	1	0.01	20	600	13	0.05	<2	2	16
S232244		10	<1	0.06	10	0.54	407	<1	0.01	23	490	7	0.03	2	2	18
S232245		10	<1	0.06	10	0.44	348	1	0.01	18	550	11	0.03	<2	2	17
S232246		<10	<1	0.07	10	0.63	464	<1	0.01	26	510	9	0.03	<2	3	23
S232247		10	1	0.05	10	0.53	301	<1	0.01	21	420	8	0.02	<2	2	21
S232248		10	<1	0.05	10	0.53	383	<1	0.01	18	540	7	0.03	2	2	27
S232249		10	<1	0.05	10	0.66	292	<1	0.01	21	760	7	0.03	<2	2	33
S232250		<10	1	<0.01	<10	<0.01	<5	<1	<0.01	1	10	<2	0.02	<2	<1	1
S232251		10	<1	0.10	30	1.41	732	<1	0.01	26	1020	11	0.01	<2	7	64
S232252		10	1	0.06	10	0.73	393	<1	0.01	21	950	7	0.01	3	3	43
S231501		10	<1	0.07	20	0.55	175	<1	0.01	21	680	26	0.02	3	4	25
S231502		10	1	0.08	10	0.54	215	1	0.01	21	830	33	0.03	4	3	24
S231503		<10	<1	0.07	10	0.44	440	<1	0.01	16	600	21	0.02	3	3	24
S231504		10	<1	0.10	10	0.74	230	<1	0.01	25	680	27	0.01	<2	4	32
S231505		10	1	0.08	10	0.48	607	1	0.01	19	270	34	<0.01	2	3	26
S231506		10	<1	0.09	10	0.44	600	1	0.02	19	720	23	0.04	<2	2	29
S231507		10	1	0.08	20	0.38	1045	2	0.02	17	1020	29	0.06	<2	3	33
S231508		10	<1	0.09	10	0.54	442	<1	0.01	19	500	16	0.01	2	3	28
S231509		10	<1	0.08	30	0.54	268	<1	0.01	20	570	23	0.01	2	4	24
S231510		<10	<1	0.09	20	0.43	277	<1	0.01	14	940	9	0.01	<2	3	21
S231511		10	1	0.10	20	0.52	164	<1	0.01	15	660	11	0.02	<2	4	25
S231512		10	<1	0.06	10	0.35	451	<1	0.01	11	830	8	0.02	<2	2	22
S231513		<10	1	0.07	10	0.34	310	<1	0.01	11	760	8	0.02	2	2	19
S231514		10	<1	0.12	30	0.49	725	1	0.01	18	950	15	0.05	<2	3	28
S231515		10	<1	0.14	20	0.64	516	1	0.01	19	500	15	0.01	<2	4	26
S231516		10	<1	0.15	20	0.73	800	1	0.01	24	670	44	0.01	<2	5	35
S231517		10	<1	0.14	30	0.58	596	1	0.01	18	880	17	<0.01	4	4	45
S231518		10	1	0.10	20	0.55	458	1	0.01	20	490	15	0.03	2	3	26
S231519		10	1	0.11	10	0.65	303	1	0.01	27	640	10	0.02	<2	4	26
S231520		10	<1	0.19	10	0.59	289	<1	0.01	21	440	8	0.03	2	3	23
S231521		10	<1	0.16	10	0.57	379	<1	0.01	28	650	8	0.03	2	4	31
S231522		10	<1	0.20	20	0.71	541	1	0.01	26	890	6	0.02	<2	4	76
S231523		<10	<1	0.03	<10	0.12	112	<1	0.02	3	780	<2	<0.01	2	1	14
S231524		<10	<1	0.04	<10	0.12	218	<1	0.02	4	360	2	0.01	2	1	11
S231525		<10	<1	0.05	<10	0.16	270	<1	0.02	5	290	2	0.01	<2	1	13
S231526		10	<1	0.10	10	0.38	350	2	0.01	14	330	11	0.01	<2	3	19
S231527		10	1	0.16	30	0.59	486	1	0.01	19	670	12	0.04	<2	3	27
S231528		10	<1	0.10	10	0.42	291	1	0.01	13	260	8	0.01	2	3	20

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1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

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CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S232241		<20	0.10	<10	<10	61	<10	58
S232242		<20	0.09	<10	<10	70	<10	65
S232243		<20	0.09	<10	<10	59	<10	58
S232244		<20	0.10	<10	<10	69	<10	59
S232245		<20	0.09	<10	<10	80	<10	64
S232246		<20	0.11	<10	<10	62	<10	60
S232247		<20	0.10	<10	<10	58	<10	56
S232248		<20	0.09	<10	<10	64	<10	51
S232249		<20	0.10	<10	<10	63	<10	64
S232250		<20	<0.01	<10	<10	<1	<10	<2
S232251		<20	0.05	<10	<10	70	<10	61
S232252		<20	0.10	<10	<10	61	<10	64
S231501		<20	0.08	<10	<10	51	<10	73
S231502		<20	0.07	<10	<10	61	<10	77
S231503		<20	0.07	<10	<10	41	<10	59
S231504		<20	0.09	<10	<10	51	<10	91
S231505		<20	0.10	<10	<10	61	<10	77
S231506		<20	0.08	<10	<10	53	<10	74
S231507		<20	0.06	<10	<10	66	<10	63
S231508		<20	0.09	<10	<10	46	<10	68
S231509		20	0.07	<10	10	48	<10	65
S231510		<20	0.09	<10	<10	45	<10	47
S231511		<20	0.12	<10	<10	48	<10	58
S231512		<20	0.11	<10	<10	83	<10	50
S231513		<20	0.10	<10	<10	54	<10	44
S231514		<20	0.08	<10	<10	56	<10	65
S231515		<20	0.15	<10	<10	72	<10	79
S231516		<20	0.15	<10	<10	80	<10	102
S231517		30	0.13	<10	<10	58	<10	69
S231518		<20	0.12	<10	<10	82	<10	76
S231519		<20	0.17	<10	<10	79	<10	65
S231520		<20	0.12	<10	<10	56	<10	53
S231521		<20	0.13	<10	<10	66	<10	71
S231522		<20	0.14	<10	<10	64	<10	78
S231523		<20	0.09	<10	<10	65	<10	25
S231524		<20	0.06	<10	<10	29	<10	16
S231525		<20	0.08	<10	<10	41	<10	25
S231526		<20	0.18	<10	<10	100	<10	54
S231527		<20	0.13	<10	<10	56	<10	75
S231528		<20	0.13	<10	<10	61	<10	56

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Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S231529		0.56	<0.005	<0.2	1.37	9	<10	130	0.5	<2	0.27	<0.5	8	24	25	1.78
S231530		0.52	0.005	0.2	1.86	9	<10	110	1.2	<2	0.42	<0.5	7	31	16	2.98
S231531		0.44	0.008	<0.2	1.23	6	<10	60	0.6	<2	0.22	<0.5	7	30	15	2.24
S231532		0.60	0.011	<0.2	1.62	9	<10	110	0.8	2	0.32	<0.5	10	33	19	2.55
S231533		0.33	0.008	<0.2	2.09	11	<10	80	0.6	2	0.15	<0.5	10	35	21	3.24
S231534		0.42	0.005	0.3	1.85	14	<10	90	0.7	3	0.30	0.6	8	32	18	3.33
S231535		0.51	0.007	0.6	1.60	25	<10	100	0.5	2	0.33	1.6	8	29	16	2.20
S231536		0.49	0.008	<0.2	1.33	11	<10	80	0.7	5	0.22	1.8	10	28	23	2.37
S231537		0.49	0.005	0.4	1.95	12	<10	130	0.8	3	0.26	0.6	11	35	21	2.88
S231538		0.50	0.007	<0.2	1.62	9	<10	120	0.6	<2	0.23	<0.5	9	30	18	2.45
S231539		0.49	0.005	<0.2	1.91	12	<10	110	0.9	<2	0.21	<0.5	11	34	25	2.54
S231540		0.54	0.005	<0.2	1.61	8	<10	70	0.7	2	0.14	<0.5	7	26	18	2.73
S231541		0.57	0.005	<0.2	2.16	9	<10	90	1.1	2	0.25	<0.5	11	36	25	2.68
S231542		0.44	0.011	<0.2	1.65	6	<10	80	1.0	<2	0.28	<0.5	9	32	24	2.32
S231543		0.44	0.006	<0.2	1.50	7	<10	70	<0.5	2	0.16	<0.5	6	23	17	2.41
S231544		0.50	0.005	0.2	1.94	8	<10	120	0.6	3	0.51	<0.5	7	43	16	2.77
S231545		0.45	<0.005	<0.2	1.49	10	<10	50	<0.5	<2	0.12	<0.5	4	23	15	2.93
S231546		0.71	<0.005	<0.2	1.04	7	<10	50	0.5	<2	0.20	<0.5	8	27	11	2.08
S231547		0.78	0.009	0.2	1.98	12	<10	160	0.5	2	0.39	<0.5	8	44	29	2.64
S231548		0.51	0.005	<0.2	1.85	14	<10	130	<0.5	3	0.29	<0.5	16	32	21	3.19
S231549		0.59	0.006	<0.2	1.18	13	<10	90	0.6	2	0.26	<0.5	11	20	22	2.20
S231550		0.06	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	1	<1	0.03
S231551		0.51	0.020	<0.2	1.60	12	<10	120	<0.5	2	0.35	<0.5	14	32	26	2.94
S231552		0.44	<0.005	0.2	1.85	11	<10	110	0.5	<2	0.20	<0.5	8	36	44	3.46
S231553		0.53	0.026	<0.2	2.08	11	<10	100	0.5	<2	0.20	<0.5	10	38	42	3.66
S231554		0.59	0.027	<0.2	2.04	16	<10	110	0.6	2	0.36	<0.5	15	42	218	3.34
S231555		0.51	0.014	0.5	2.67	15	<10	150	0.8	3	0.22	<0.5	10	41	297	3.04
S231556		0.38	0.011	<0.2	2.14	24	<10	130	0.5	<2	0.21	<0.5	14	36	110	2.96
S231557		0.64	0.006	<0.2	1.55	15	<10	90	<0.5	<2	0.20	<0.5	9	31	59	2.54
S231558		0.37	0.009	0.2	1.21	11	<10	90	<0.5	<2	0.23	<0.5	8	22	46	1.84
S231559		0.44	0.028	<0.2	2.27	16	<10	130	0.6	2	0.23	<0.5	11	40	38	3.10
S231560		0.50	<0.005	<0.2	1.18	7	<10	80	<0.5	<2	0.21	<0.5	7	23	24	2.08
S231561		0.44	<0.005	0.2	1.48	5	<10	100	<0.5	<2	0.22	<0.5	14	30	26	1.92
S231562		0.61	0.017	<0.2	1.67	9	<10	160	<0.5	<2	0.61	<0.5	15	39	41	2.45
S231563		0.55	0.023	<0.2	1.89	15	<10	180	<0.5	3	0.53	<0.5	13	50	45	2.56
S231564		0.36	0.009	<0.2	1.46	10	<10	140	<0.5	<2	0.25	<0.5	10	52	25	2.40
S231565		0.67	0.008	<0.2	1.98	8	<10	190	<0.5	3	0.35	<0.5	14	55	27	2.86
S231566		0.44	0.005	<0.2	2.22	11	<10	220	0.7	3	0.42	<0.5	21	69	42	3.53
S231567		0.45	<0.005	<0.2	2.24	13	<10	150	1.3	3	0.50	<0.5	14	47	36	3.37
S231568		0.58	0.005	0.2	2.27	13	<10	120	1.2	<2	0.19	<0.5	11	38	27	3.23

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S231529		10	<1	0.10	20	0.34	491	1	0.01	12	950	9	0.05	<2	1	24
S231530		10	<1	0.09	20	0.42	245	1	0.01	17	740	15	0.04	<2	3	36
S231531		10	<1	0.09	10	0.44	316	<1	0.01	18	290	11	0.01	<2	3	20
S231532		10	<1	0.10	20	0.52	611	<1	0.01	22	440	13	0.01	<2	3	29
S231533		10	<1	0.07	10	0.46	318	<1	0.01	26	370	24	0.02	2	3	14
S231534		10	<1	0.07	10	0.44	282	1	0.01	23	480	40	0.03	2	2	23
S231535		10	<1	0.10	20	0.41	375	2	0.02	17	740	52	0.03	<2	2	27
S231536		10	<1	0.08	20	0.39	889	2	0.01	18	580	104	0.01	<2	2	20
S231537		10	<1	0.08	10	0.55	482	1	0.01	25	450	38	0.01	<2	3	23
S231538		10	<1	0.07	10	0.48	325	<1	0.01	23	510	11	<0.01	<2	3	19
S231539		10	<1	0.10	20	0.54	479	<1	0.01	26	580	27	0.01	<2	3	18
S231540		10	<1	0.04	10	0.32	200	<1	0.01	17	300	16	0.01	<2	2	13
S231541		10	<1	0.08	10	0.56	364	<1	0.01	30	620	12	0.01	<2	3	18
S231542		10	<1	0.07	40	0.50	374	<1	0.01	24	590	13	0.01	<2	4	25
S231543		10	<1	0.06	10	0.33	207	<1	0.01	14	340	15	0.01	<2	2	17
S231544		10	<1	0.12	10	0.58	500	1	0.01	25	560	14	0.04	2	4	42
S231545		10	<1	0.04	10	0.19	168	1	0.01	13	280	16	0.01	2	2	14
S231546		10	<1	0.11	10	0.41	445	1	0.01	15	270	13	0.01	2	2	20
S231547		10	<1	0.18	20	0.83	265	<1	0.01	34	820	11	0.01	<2	4	28
S231548		10	<1	0.12	20	0.61	1285	1	0.01	17	520	14	0.01	2	3	25
S231549		10	<1	0.15	20	0.40	723	<1	0.01	10	600	13	0.01	2	2	24
S231550		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	20	<2	0.01	<2	<1	1
S231551		10	<1	0.14	20	0.71	622	1	0.01	18	750	11	0.02	<2	3	35
S231552		10	<1	0.07	10	0.49	233	1	0.01	21	380	6	0.03	<2	3	23
S231553		10	<1	0.12	10	0.57	302	1	0.01	24	440	5	0.04	2	3	21
S231554		10	<1	0.13	10	0.63	335	1	0.02	26	760	7	0.01	<2	5	36
S231555		10	<1	0.13	20	0.63	288	<1	0.01	27	770	11	0.06	<2	4	24
S231556		10	<1	0.10	10	0.57	714	1	0.01	25	630	5	0.04	<2	3	26
S231557		10	<1	0.08	10	0.53	297	1	0.01	19	570	8	0.04	<2	3	24
S231558		<10	<1	0.06	10	0.34	271	1	0.02	14	570	4	0.05	<2	2	23
S231559		10	<1	0.12	10	0.66	327	<1	0.01	28	380	7	0.03	2	4	22
S231560		10	<1	0.06	10	0.33	239	<1	0.01	13	540	5	0.04	<2	2	18
S231561		10	<1	0.09	10	0.41	774	<1	0.02	16	840	7	0.06	<2	2	21
S231562		10	<1	0.22	10	0.69	772	1	0.02	22	1340	9	0.07	<2	3	47
S231563		10	<1	0.15	10	0.74	400	1	0.01	34	1360	10	0.10	4	4	37
S231564		10	<1	0.10	10	0.57	333	1	0.01	27	850	5	0.08	<2	2	25
S231565		10	<1	0.16	10	1.10	565	<1	0.01	40	650	8	0.03	<2	5	37
S231566		10	<1	0.22	20	1.16	581	<1	0.01	91	960	8	0.04	4	7	35
S231567		10	<1	0.15	20	0.72	1005	1	0.01	34	690	34	0.04	<2	4	52
S231568		10	<1	0.09	20	0.56	355	1	0.01	25	370	13	0.03	<2	3	19

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S231529		<20	0.04	<10	<10	42	<10	57
S231530		<20	0.04	<10	10	47	<10	56
S231531		<20	0.09	<10	<10	52	<10	54
S231532		<20	0.09	<10	<10	58	<10	68
S231533		<20	0.09	<10	<10	63	<10	58
S231534		<20	0.08	<10	<10	65	<10	100
S231535		<20	0.06	<10	<10	53	<10	133
S231536		<20	0.08	<10	<10	55	<10	231
S231537		<20	0.10	<10	<10	67	<10	86
S231538		<20	0.09	<10	<10	59	<10	54
S231539		<20	0.09	<10	<10	56	<10	73
S231540		<20	0.08	<10	<10	63	<10	42
S231541		<20	0.10	<10	<10	60	<10	58
S231542		<20	0.09	<10	10	51	<10	60
S231543		<20	0.09	<10	<10	63	<10	49
S231544		<20	0.08	<10	10	64	<10	79
S231545		<20	0.08	<10	<10	80	<10	51
S231546		<20	0.09	<10	<10	53	<10	56
S231547		<20	0.14	<10	<10	61	<10	67
S231548		<20	0.14	<10	<10	76	<10	74
S231549		<20	0.10	<10	<10	47	<10	64
S231550		<20	<0.01	<10	<10	<1	<10	<2
S231551		<20	0.15	<10	<10	68	<10	79
S231552		<20	0.11	<10	<10	81	<10	63
S231553		<20	0.14	<10	<10	88	<10	65
S231554		<20	0.13	<10	<10	66	10	53
S231555		<20	0.11	<10	<10	65	<10	55
S231556		<20	0.10	<10	<10	65	<10	61
S231557		<20	0.09	<10	<10	58	10	47
S231558		<20	0.07	<10	<10	48	<10	37
S231559		<20	0.14	<10	<10	67	<10	57
S231560		<20	0.09	<10	<10	58	<10	40
S231561		<20	0.07	<10	<10	46	<10	42
S231562		<20	0.16	<10	<10	58	<10	65
S231563		<20	0.13	<10	<10	65	<10	73
S231564		<20	0.14	<10	<10	81	<10	52
S231565		<20	0.17	<10	<10	66	<10	69
S231566		<20	0.12	<10	<10	72	<10	62
S231567		<20	0.08	<10	10	72	<10	101
S231568		<20	0.08	<10	<10	72	<10	57

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S231569		0.54	0.006	0.2	2.33	11	<10	120	0.9	<2	0.24	<0.5	11	32	27	3.14
S231570		0.55	<0.005	<0.2	0.30	<2	<10	30	<0.5	<2	0.14	<0.5	2	2	10	0.54
S231571		0.70	<0.005	0.2	2.90	15	<10	170	0.9	<2	0.18	<0.5	14	46	32	3.63
S231572		0.51	<0.005	0.3	2.92	13	<10	110	1.0	3	0.14	<0.5	13	46	37	3.83
S231573		0.44	0.005	<0.2	3.12	12	<10	120	1.0	2	0.17	<0.5	15	47	59	3.35
S231574		0.50	0.006	<0.2	2.34	14	<10	130	0.6	3	0.25	<0.5	13	53	31	3.32
S231575		0.42	0.006	<0.2	2.42	15	<10	140	0.7	2	0.25	<0.5	13	55	32	3.47
S231576		0.57	0.008	<0.2	2.21	22	<10	200	<0.5	2	0.36	<0.5	16	76	44	3.03
S231577		0.51	0.009	<0.2	2.07	10	<10	150	0.5	<2	0.29	<0.5	15	74	49	3.08
S231578		0.48	0.074	0.4	2.34	47	<10	140	0.6	6	0.36	<0.5	19	49	94	3.43
S231579		0.58	0.022	0.2	2.97	48	<10	190	0.7	2	0.47	<0.5	17	76	92	3.67
S231580		0.46	0.017	0.3	2.42	27	<10	130	0.8	<2	0.50	<0.5	14	54	63	3.12
S231581		0.41	<0.005	<0.2	1.19	6	<10	40	<0.5	<2	0.08	<0.5	4	17	19	2.00
S231582		0.43	0.005	<0.2	1.94	10	<10	110	0.5	<2	0.27	<0.5	11	40	34	2.94
S231583		0.53	0.006	<0.2	1.85	8	<10	120	0.6	<2	0.30	<0.5	11	34	32	2.55
S231584		0.43	0.007	0.3	2.18	16	<10	90	0.8	<2	0.21	<0.5	11	37	48	3.26
S231585		0.43	0.013	<0.2	2.03	22	<10	90	0.5	<2	0.20	<0.5	11	31	148	2.56
S231586		0.58	0.022	<0.2	2.06	12	<10	110	0.6	2	0.19	<0.5	11	34	148	3.36
S231587		0.48	0.012	<0.2	1.97	8	<10	100	0.5	<2	0.27	<0.5	10	35	30	2.95
S231588		0.42	0.012	0.4	1.91	9	<10	80	0.6	<2	0.18	<0.5	11	38	415	2.58
S231589		0.49	0.024	0.5	2.21	13	<10	90	0.6	<2	0.14	<0.5	11	39	674	3.25
S231590		0.48	0.027	0.4	2.16	10	<10	110	0.7	2	0.22	<0.5	11	37	163	3.04
S231591		0.53	0.011	0.2	2.38	8	<10	100	0.8	<2	0.34	<0.5	18	62	254	3.51
S231592		0.43	0.005	<0.2	2.18	8	<10	110	0.7	<2	0.16	<0.5	12	48	32	3.56
S231593		0.42	0.007	<0.2	1.72	10	<10	100	0.5	<2	0.11	<0.5	9	37	29	3.58
S231594		0.49	0.007	<0.2	2.27	8	<10	80	0.7	<2	0.14	<0.5	10	36	31	2.72
S231595		0.38	0.005	0.2	2.25	8	<10	70	0.8	<2	0.12	<0.5	7	35	33	3.01
S231596		0.56	0.005	<0.2	1.98	9	<10	100	0.6	<2	0.17	<0.5	10	34	34	2.68
S231597		0.46	0.005	<0.2	2.17	10	<10	110	0.6	<2	0.13	<0.5	12	39	27	3.53
S231598		0.61	0.006	<0.2	2.02	7	<10	70	0.5	<2	0.14	<0.5	8	36	23	2.63
S231599		0.58	0.011	<0.2	1.50	4	<10	120	<0.5	<2	0.37	<0.5	8	42	35	2.08
S231600		0.06	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	16	7	0.03
S231601		0.46	0.007	<0.2	2.28	9	<10	180	0.7	<2	0.21	<0.5	12	58	62	2.71
S231602		0.42	0.025	<0.2	2.42	22	<10	100	0.7	<2	0.15	<0.5	18	53	98	3.09
S231603		0.36	0.008	<0.2	2.19	17	<10	120	0.5	<2	0.24	<0.5	11	42	37	3.37
S231604		0.41	0.008	<0.2	1.71	21	<10	100	<0.5	<2	0.15	<0.5	9	38	39	3.08
S231605		0.44	<0.005	<0.2	1.38	32	10	120	<0.5	<2	0.25	<0.5	42	493	25	3.85
S231606		0.59	0.006	<0.2	1.74	18	<10	180	<0.5	<2	0.40	<0.5	17	73	40	2.93
S231607		0.68	0.008	<0.2	1.97	10	<10	160	0.6	<2	0.39	<0.5	10	66	39	2.71
S231608		0.54	0.007	<0.2	2.23	7	<10	140	0.7	<2	0.41	<0.5	10	64	45	2.67

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CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S231569		10	<1	0.07	10	0.50	333	<1	0.01	27	420	11	0.03	<2	3	25
S231570		<10	<1	0.05	<10	0.07	45	<1	0.03	2	490	<2	0.01	<2	<1	11
S231571		10	<1	0.11	10	0.69	314	1	0.01	35	370	12	0.02	<2	4	16
S231572		10	<1	0.07	10	0.57	434	1	0.01	33	310	33	0.02	<2	4	17
S231573		10	<1	0.10	10	0.72	301	<1	0.01	43	470	13	0.04	<2	4	16
S231574		10	<1	0.14	10	0.75	304	<1	0.01	47	430	6	0.02	<2	5	27
S231575		10	<1	0.14	10	0.78	307	<1	0.01	49	420	8	0.02	<2	5	26
S231576		10	<1	0.18	10	1.22	353	<1	0.02	105	700	6	0.04	3	5	38
S231577		10	<1	0.22	10	1.10	378	<1	0.01	54	530	5	0.03	<2	4	42
S231578		10	<1	0.16	10	0.90	528	1	0.03	44	990	10	0.13	3	3	32
S231579		10	<1	0.19	10	0.96	488	<1	0.02	71	580	8	0.06	12	6	44
S231580		10	<1	0.29	10	0.81	454	<1	0.02	38	780	12	0.07	<2	5	49
S231581		10	<1	0.06	10	0.16	105	1	0.01	11	370	13	0.03	<2	1	11
S231582		10	<1	0.16	10	0.69	359	<1	0.01	25	540	8	0.03	<2	4	30
S231583		10	<1	0.15	10	0.64	366	<1	0.01	24	770	4	0.02	<2	4	25
S231584		10	<1	0.08	10	0.52	348	<1	0.01	26	560	19	0.06	<2	2	23
S231585		10	<1	0.09	10	0.56	304	<1	0.01	23	400	2	0.04	2	3	20
S231586		10	<1	0.07	10	0.49	275	<1	0.01	24	450	7	0.04	<2	3	22
S231587		10	<1	0.10	10	0.52	325	<1	0.01	22	740	5	0.04	2	3	22
S231588		10	<1	0.14	10	0.64	324	<1	0.01	25	380	10	0.04	<2	4	25
S231589		10	<1	0.10	10	0.57	318	1	0.01	23	480	6	0.05	<2	3	21
S231590		10	<1	0.08	10	0.61	403	1	0.01	24	530	5	0.06	<2	3	24
S231591		10	<1	0.30	10	1.20	593	1	0.01	42	770	5	0.03	<2	6	59
S231592		10	<1	0.17	10	0.75	361	<1	0.01	30	420	4	0.03	<2	4	17
S231593		10	<1	0.09	10	0.53	387	2	0.01	24	410	10	0.04	2	2	14
S231594		10	<1	0.15	10	0.58	267	<1	0.01	24	330	6	0.04	2	3	14
S231595		10	<1	0.10	10	0.52	257	1	<0.01	19	450	8	0.05	2	3	13
S231596		10	<1	0.11	10	0.58	302	<1	0.01	22	320	5	0.03	<2	3	17
S231597		10	<1	0.07	10	0.56	363	1	0.01	23	320	11	0.02	2	3	15
S231598		10	<1	0.09	10	0.59	236	<1	<0.01	19	190	12	0.01	<2	4	15
S231599		<10	<1	0.20	10	0.62	221	<1	0.02	22	660	5	0.01	<2	4	30
S231600		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	12	10	<2	0.03	<2	<1	1
S231601		10	<1	0.21	10	0.85	340	<1	0.02	35	350	13	0.02	<2	5	19
S231602		10	<1	0.21	10	0.81	330	1	0.01	57	250	10	0.02	3	5	20
S231603		10	1	0.08	10	0.68	298	1	0.01	58	300	10	0.03	2	4	19
S231604		10	<1	0.04	10	0.48	332	1	0.01	33	400	7	0.04	2	2	18
S231605		<10	<1	0.05	10	7.21	644	<1	0.01	891	620	4	0.06	3	6	21
S231606		10	<1	0.30	10	1.53	320	<1	0.02	128	830	4	0.01	5	5	32
S231607		10	1	0.25	20	0.99	225	<1	0.01	45	700	4	0.01	2	6	38
S231608		10	1	0.27	10	0.91	203	<1	0.01	38	590	6	0.01	<2	6	44

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S231569		<20	0.09	<10	<10	69	<10	62
S231570		<20	0.03	<10	<10	17	<10	9
S231571		<20	0.12	<10	<10	73	<10	69
S231572		<20	0.10	<10	<10	80	<10	69
S231573		<20	0.10	<10	<10	71	<10	60
S231574		<20	0.14	<10	<10	77	<10	56
S231575		<20	0.15	<10	<10	79	<10	57
S231576		<20	0.15	<10	<10	70	<10	55
S231577		<20	0.19	<10	<10	77	<10	52
S231578		<20	0.11	<10	<10	70	<10	64
S231579		<20	0.15	<10	<10	86	<10	68
S231580		<20	0.12	<10	<10	70	<10	62
S231581		<20	0.06	<10	<10	61	<10	50
S231582		<20	0.13	<10	<10	68	<10	64
S231583		<20	0.12	<10	<10	54	<10	49
S231584		<20	0.10	<10	<10	71	<10	68
S231585		<20	0.10	<10	<10	51	<10	46
S231586		<20	0.10	<10	<10	68	<10	56
S231587		<20	0.11	<10	<10	59	<10	62
S231588		<20	0.11	<10	<10	55	<10	57
S231589		<20	0.11	<10	<10	70	10	53
S231590		<20	0.10	<10	<10	66	<10	60
S231591		<20	0.17	<10	<10	80	<10	73
S231592		<20	0.16	<10	<10	77	<10	61
S231593		<20	0.11	<10	<10	82	<10	66
S231594		<20	0.13	<10	<10	58	<10	46
S231595		<20	0.13	<10	<10	67	<10	42
S231596		<20	0.12	<10	<10	59	<10	43
S231597		<20	0.12	<10	<10	79	<10	77
S231598		<20	0.12	<10	<10	64	<10	45
S231599		<20	0.14	<10	<10	45	<10	36
S231600		<20	<0.01	<10	<10	<1	<10	3
S231601		<20	0.18	<10	<10	66	<10	52
S231602		<20	0.13	<10	<10	59	<10	59
S231603		<20	0.11	<10	<10	71	<10	55
S231604		<20	0.10	<10	<10	81	<10	52
S231605		<20	0.05	<10	<10	49	<10	57
S231606		<20	0.20	<10	<10	72	<10	51
S231607		<20	0.19	<10	<10	66	<10	40
S231608		<20	0.18	<10	<10	58	<10	40

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1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S231609		0.44	0.005	0.3	0.94	9	<10	80	<0.5	<2	0.11	<0.5	5	18	22	2.41
S231610		0.48	<0.005	0.2	1.87	10	<10	60	0.8	<2	0.11	<0.5	7	30	20	2.68
S231611		0.38	0.005	0.2	2.27	9	<10	70	0.7	<2	0.16	<0.5	8	35	20	2.73
S231612		0.45	<0.005	0.4	1.86	12	<10	70	0.5	<2	0.17	<0.5	8	46	13	2.83
S231613		0.55	<0.005	<0.2	2.00	14	<10	160	0.5	<2	0.16	<0.5	9	36	20	3.80
S231614		0.52	<0.005	<0.2	1.30	11	<10	90	<0.5	<2	0.20	<0.5	7	25	11	3.05
S231615		0.44	0.005	0.6	2.39	14	<10	180	2.5	<2	0.53	<0.5	14	45	59	3.46
S231616		0.46	<0.005	<0.2	2.00	8	<10	110	0.5	<2	0.22	0.5	13	50	36	2.94
S231617		0.50	0.005	<0.2	2.19	9	<10	120	<0.5	<2	0.21	<0.5	10	48	25	3.09
S231618		0.62	<0.005	<0.2	1.90	7	<10	90	0.5	<2	0.22	<0.5	10	41	23	2.84
S231619		0.56	<0.005	<0.2	2.05	9	<10	110	<0.5	<2	0.21	<0.5	10	47	18	3.23
S231620		0.45	<0.005	0.2	1.70	9	<10	140	<0.5	<2	0.23	<0.5	12	32	20	2.56
S231621		0.53	0.006	0.2	1.85	17	<10	140	0.5	<2	0.24	<0.5	9	39	49	2.64
S231622		0.40	0.008	0.2	1.58	8	<10	140	<0.5	<2	0.43	<0.5	10	32	52	2.64
S231623		0.52	<0.005	0.2	2.27	11	<10	100	0.6	<2	0.29	<0.5	12	47	34	3.24
S231624		0.46	<0.005	0.2	1.72	7	<10	150	<0.5	<2	0.23	<0.5	10	34	22	2.96
S231625		0.60	<0.005	<0.2	1.44	7	<10	80	0.5	<2	0.27	<0.5	7	31	28	2.21
S231626		0.56	0.005	<0.2	1.90	8	<10	130	0.5	<2	0.25	<0.5	8	34	39	2.67
S231627		0.51	0.005	0.4	2.19	8	<10	170	0.6	<2	0.28	<0.5	7	39	56	2.71
S231628		0.41	<0.005	0.9	1.29	7	<10	90	0.5	<2	0.23	<0.5	5	21	98	1.96
S231629		0.37	0.008	1.0	1.54	8	<10	120	0.6	<2	0.25	0.6	7	25	138	2.22
S231630		0.18	0.005	0.9	0.99	5	<10	90	<0.5	<2	0.29	0.8	7	15	158	1.30
S231631		0.42	<0.005	0.2	1.96	10	<10	140	0.5	<2	0.16	<0.5	9	38	31	3.33
S231632		0.46	<0.005	<0.2	2.12	11	<10	130	0.7	<2	0.19	<0.5	12	43	26	3.87
S231633		0.42	0.005	<0.2	2.56	9	<10	130	0.8	<2	0.21	<0.5	14	33	41	3.29
S231634		0.46	<0.005	0.2	1.91	12	<10	100	0.7	3	0.16	<0.5	9	32	23	3.72
S231635		0.47	<0.005	<0.2	1.89	14	<10	100	0.6	<2	0.15	<0.5	8	33	26	3.73
S231636		0.48	<0.005	0.2	1.89	10	<10	110	0.7	<2	0.18	<0.5	8	31	28	3.21
S231637		0.46	<0.005	0.3	1.72	7	<10	60	0.8	<2	0.18	<0.5	8	31	23	2.63
S231638		0.39	0.006	0.2	1.97	11	<10	70	1.2	2	0.15	<0.5	9	30	25	2.78
S231639		0.54	<0.005	<0.2	2.39	11	<10	90	0.9	<2	0.18	<0.5	12	36	23	3.13
S231640		0.47	<0.005	<0.2	1.53	9	<10	70	0.7	<2	0.12	<0.5	7	26	27	2.84
S231641		0.56	<0.005	<0.2	1.24	4	<10	40	1.5	<2	0.28	<0.5	3	14	8	1.44
S231642		0.51	0.005	<0.2	1.77	6	<10	50	1.0	<2	0.18	<0.5	8	26	19	2.46
S231643		0.70	0.005	<0.2	2.36	8	<10	90	1.1	<2	0.22	0.5	11	36	23	2.97
S231644		0.57	<0.005	<0.2	2.12	7	<10	70	1.3	<2	0.29	<0.5	7	27	16	2.51
S231645		0.46	0.006	<0.2	1.98	11	<10	70	0.9	<2	0.16	<0.5	9	34	26	3.45
S231646		0.39	0.006	<0.2	1.94	12	<10	100	1.5	<2	0.16	0.5	13	33	45	3.41
S231647		0.49	<0.005	<0.2	2.64	8	<10	110	2.8	<2	0.37	<0.5	17	70	29	3.96
S231648		0.46	<0.005	<0.2	1.04	5	<10	70	0.6	<2	0.16	<0.5	8	23	26	3.21

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S231609		10	<1	0.05	10	0.15	148	2	<0.01	14	220	14	0.01	<2	2	13
S231610		10	1	0.06	10	0.37	235	<1	<0.01	17	300	20	0.01	<2	2	11
S231611		10	<1	0.07	10	0.46	306	1	0.01	20	400	20	0.02	<2	3	15
S231612		10	<1	0.10	10	0.76	235	1	0.01	41	270	14	0.02	<2	4	16
S231613		10	<1	0.08	10	0.50	365	1	<0.01	25	310	15	0.01	<2	3	18
S231614		10	1	0.19	10	0.45	346	1	0.01	16	470	11	0.02	<2	2	27
S231615		10	<1	0.12	30	0.60	1150	1	0.01	31	910	29	0.04	<2	4	55
S231616		10	<1	0.17	10	0.77	506	<1	0.01	28	560	7	0.02	2	4	23
S231617		10	<1	0.10	10	0.81	234	<1	0.01	27	320	7	0.01	<2	4	25
S231618		10	<1	0.09	10	0.66	271	1	0.01	23	400	8	0.02	<2	3	29
S231619		10	<1	0.12	10	0.70	257	<1	0.01	27	470	7	0.01	2	3	23
S231620		10	<1	0.12	10	0.55	391	1	0.01	19	450	6	0.01	<2	3	25
S231621		10	<1	0.14	10	0.66	251	1	0.01	33	500	7	0.02	<2	4	28
S231622		10	<1	0.19	10	0.50	466	2	0.01	21	480	9	0.04	<2	2	34
S231623		10	<1	0.24	10	0.77	397	1	0.01	26	460	10	0.02	2	4	28
S231624		10	<1	0.13	10	0.62	504	1	0.01	17	520	9	0.01	2	3	24
S231625		10	<1	0.13	10	0.59	265	<1	0.01	16	430	11	0.01	<2	3	23
S231626		10	<1	0.11	10	0.65	322	4	0.01	18	450	9	0.01	<2	4	24
S231627		10	<1	0.12	10	0.68	238	5	0.01	20	420	16	0.03	<2	4	32
S231628		<10	1	0.04	10	0.32	251	3	0.02	12	690	19	0.05	<2	1	29
S231629		10	<1	0.05	10	0.38	299	3	0.01	16	650	27	0.04	<2	1	35
S231630		<10	<1	0.04	10	0.22	302	2	0.02	8	780	13	0.05	<2	1	31
S231631		10	<1	0.09	10	0.59	260	2	0.01	21	390	8	0.03	3	3	17
S231632		10	<1	0.22	10	0.68	347	1	0.01	25	470	10	0.02	<2	4	20
S231633		10	1	0.06	10	0.72	328	<1	0.01	34	380	15	0.03	<2	3	25
S231634		10	<1	0.06	10	0.50	395	1	0.01	23	440	9	0.04	<2	3	16
S231635		10	<1	0.05	10	0.44	268	2	0.01	21	340	16	0.03	<2	3	16
S231636		10	<1	0.05	20	0.46	402	1	0.01	24	380	20	0.04	<2	2	18
S231637		10	<1	0.06	20	0.50	310	1	0.01	21	390	14	0.04	<2	2	15
S231638		10	1	0.05	20	0.49	411	1	0.01	22	580	22	0.06	<2	2	14
S231639		10	<1	0.08	10	0.61	452	1	0.01	26	580	10	0.05	2	3	17
S231640		10	<1	0.05	10	0.38	327	1	0.01	16	560	14	0.05	<2	1	14
S231641		10	<1	0.07	50	0.23	241	<1	0.01	8	170	12	0.01	<2	2	22
S231642		10	1	0.05	50	0.39	332	<1	0.01	18	400	15	0.03	2	2	19
S231643		10	1	0.07	20	0.62	528	1	0.01	27	500	12	0.04	2	3	27
S231644		10	<1	0.06	60	0.45	475	<1	0.01	20	300	16	0.02	<2	2	22
S231645		10	<1	0.07	20	0.56	385	1	0.01	24	370	19	0.03	<2	3	16
S231646		10	1	0.06	30	0.55	1040	1	0.01	25	950	25	0.09	<2	1	19
S231647		10	1	0.07	60	1.02	1660	1	0.02	40	730	43	0.04	2	4	34
S231648		10	<1	0.04	10	0.29	410	1	0.01	15	810	14	0.08	<2	1	20

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S231609		<20	0.09	<10	<10	84	<10	40
S231610		<20	0.05	<10	<10	50	<10	43
S231611		<20	0.08	<10	<10	60	<10	56
S231612		<20	0.10	<10	<10	61	<10	55
S231613		<20	0.11	<10	<10	86	<10	58
S231614		<20	0.12	<10	<10	65	<10	71
S231615		<20	0.06	<10	10	73	<10	74
S231616		<20	0.14	<10	<10	63	<10	68
S231617		<20	0.11	<10	<10	69	<10	53
S231618		<20	0.09	<10	<10	62	<10	55
S231619		<20	0.11	<10	<10	74	<10	58
S231620		<20	0.10	<10	<10	63	<10	54
S231621		<20	0.11	<10	<10	62	<10	56
S231622		<20	0.08	<10	<10	56	10	44
S231623		<20	0.13	<10	<10	72	<10	54
S231624		<20	0.12	<10	<10	68	<10	57
S231625		<20	0.10	<10	<10	47	<10	44
S231626		<20	0.13	<10	<10	69	<10	47
S231627		<20	0.12	<10	<10	70	<10	53
S231628		<20	0.05	<10	<10	54	<10	38
S231629		<20	0.06	<10	<10	59	<10	45
S231630		<20	0.04	<10	<10	33	<10	32
S231631		<20	0.11	<10	<10	72	<10	76
S231632		<20	0.16	<10	<10	78	<10	79
S231633		<20	0.15	<10	<10	68	<10	64
S231634		<20	0.11	<10	<10	81	<10	83
S231635		<20	0.11	<10	<10	82	<10	77
S231636		<20	0.09	<10	<10	67	<10	99
S231637		<20	0.09	<10	<10	56	<10	63
S231638		<20	0.07	<10	<10	59	<10	95
S231639		<20	0.10	<10	<10	61	<10	70
S231640		<20	0.06	<10	<10	64	<10	90
S231641		<20	0.04	<10	<10	21	<10	80
S231642		<20	0.09	<10	<10	48	<10	80
S231643		<20	0.10	<10	<10	62	<10	78
S231644		<20	0.06	<10	<10	45	<10	97
S231645		<20	0.10	<10	<10	74	<10	114
S231646		<20	0.06	<10	<10	68	<10	127
S231647		<20	0.06	<10	<10	77	<10	140
S231648		<20	0.07	<10	<10	84	<10	83

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1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S231649		0.40	<0.005	<0.2	1.74	8	<10	90	1.1	<2	0.19	0.6	9	31	25	2.89
S231650		0.08	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.03
S231651		0.53	<0.005	<0.2	1.75	10	<10	90	1.2	<2	0.22	0.5	9	30	23	2.81
S231652		0.48	0.006	<0.2	1.88	11	<10	110	1.0	<2	0.25	0.6	12	34	27	3.29
S231653		0.51	0.005	<0.2	2.21	14	<10	110	1.0	<2	0.23	0.5	14	37	27	3.23
S231654		0.52	<0.005	<0.2	2.06	9	<10	80	1.0	<2	0.18	<0.5	9	32	19	2.39
S231655		0.51	<0.005	<0.2	1.98	10	<10	70	1.0	<2	0.19	<0.5	10	32	23	2.79
S231656		0.54	<0.005	<0.2	1.96	13	<10	100	1.4	<2	0.23	0.6	13	35	27	3.19
S231657		0.52	<0.005	0.2	1.84	11	<10	90	1.5	<2	0.25	0.6	12	29	30	2.62
S231658		0.47	<0.005	<0.2	1.24	7	<10	50	2.2	<2	0.20	<0.5	7	18	20	2.00
S231659		0.50	0.007	<0.2	1.96	10	<10	60	1.8	<2	0.15	<0.5	9	34	18	3.17
S231660		0.49	<0.005	<0.2	1.03	4	<10	30	3.4	<2	0.22	<0.5	3	14	10	1.66
S231661		0.49	<0.005	0.2	1.34	6	<10	90	1.0	<2	0.20	<0.5	7	23	26	2.36
S231662		0.46	<0.005	<0.2	1.72	10	<10	130	0.9	<2	0.14	<0.5	10	28	30	3.31
S231663		0.42	<0.005	<0.2	1.05	6	<10	60	0.6	<2	0.16	<0.5	8	18	19	2.90
S231664		0.47	<0.005	0.6	2.01	8	<10	50	1.3	<2	0.14	<0.5	8	32	27	2.62
S231665		0.37	<0.005	0.3	2.20	12	<10	100	0.8	<2	0.21	0.6	10	39	211	3.57
S231666		0.44	0.005	0.2	1.93	7	<10	70	0.9	<2	0.16	<0.5	7	26	57	3.07
S231667		0.56	0.008	0.2	2.32	6	<10	80	1.0	2	0.17	<0.5	11	33	36	3.36
S231668		0.54	<0.005	0.2	1.79	7	<10	70	1.0	<2	0.16	<0.5	7	23	25	2.46
S231669		0.50	<0.005	0.2	2.27	9	<10	90	1.4	3	0.21	0.6	11	42	27	3.65
S231670		0.38	0.005	0.2	2.06	9	<10	60	1.5	<2	0.16	0.6	9	29	27	2.70
S231671		0.41	<0.005	<0.2	2.17	10	<10	60	0.7	2	0.15	<0.5	10	36	22	3.07
S231672		0.43	0.005	0.2	2.14	8	<10	50	0.9	<2	0.13	0.6	8	30	22	2.68
S231673		0.43	<0.005	0.2	1.56	4	<10	50	1.1	2	0.15	<0.5	8	26	14	2.44
S231674		0.55	<0.005	<0.2	1.32	7	<10	70	0.6	2	0.13	<0.5	6	22	17	2.44
S231675		0.49	0.006	<0.2	1.88	7	<10	60	1.0	<2	0.13	0.5	6	27	20	2.59
S231676		0.43	<0.005	<0.2	1.81	13	<10	110	<0.5	<2	0.16	<0.5	6	30	17	3.96
S231677		0.48	<0.005	<0.2	2.12	14	<10	140	<0.5	<2	0.25	0.5	11	37	28	4.03
S231678		0.52	<0.005	<0.2	1.05	4	<10	90	<0.5	<2	0.30	<0.5	5	18	30	2.09
S231679		0.38	<0.005	0.3	0.77	3	<10	70	<0.5	2	0.25	<0.5	4	11	37	1.50
S231680		0.31	0.043	0.7	0.72	<2	<10	80	<0.5	2	0.36	<0.5	2	12	64	0.88
S231681		0.27	0.014	1.2	1.72	6	<10	220	0.6	<2	0.67	0.8	10	26	110	2.29
S231682		0.39	0.005	0.8	1.74	5	<10	170	<0.5	<2	0.30	<0.5	10	27	55	2.49
S231683		0.45	<0.005	0.3	0.82	3	<10	80	<0.5	<2	0.22	<0.5	4	13	23	1.33
S231684		0.35	<0.005	0.7	1.70	5	<10	140	0.6	<2	0.35	<0.5	5	22	83	1.89
S231685		0.41	<0.005	0.3	1.61	5	<10	120	0.6	<2	0.33	<0.5	12	22	41	2.34
S231686		0.35	<0.005	0.2	1.32	3	<10	130	<0.5	2	0.28	<0.5	7	22	18	2.12
S231687		0.48	<0.005	0.3	1.79	6	<10	170	<0.5	<2	0.32	0.5	8	30	32	2.71
S231688		0.33	<0.005	1.0	1.26	8	<10	130	<0.5	2	0.28	0.6	6	24	81	2.00

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CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S231649		10	<1	0.04	40	0.50	496	1	0.01	23	490	19	0.04	<2	2	19
S231650		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.02	<2	<1	1
S231651		10	<1	0.06	30	0.51	565	1	0.01	25	590	16	0.05	3	2	19
S231652		10	<1	0.07	20	0.59	669	1	0.01	28	730	16	0.06	<2	2	22
S231653		10	<1	0.08	20	0.63	851	1	0.01	28	790	16	0.07	<2	2	21
S231654		10	<1	0.05	20	0.53	569	<1	0.01	22	290	12	0.02	<2	3	16
S231655		10	<1	0.06	20	0.52	555	1	0.01	23	490	12	0.05	<2	2	17
S231656		10	<1	0.07	20	0.57	1230	1	0.01	28	810	50	0.09	<2	2	22
S231657		10	<1	0.06	20	0.54	891	1	0.01	25	1020	26	0.11	<2	1	23
S231658		<10	1	0.06	20	0.37	503	<1	0.01	16	760	17	0.06	<2	1	18
S231659		10	<1	0.06	70	0.52	492	1	0.01	25	580	24	0.04	<2	2	13
S231660		10	<1	0.06	130	0.20	379	<1	0.01	11	520	23	0.01	<2	2	19
S231661		10	<1	0.05	20	0.33	385	1	0.01	17	730	15	0.08	<2	1	21
S231662		10	<1	0.06	10	0.42	486	2	0.01	23	470	17	0.04	<2	2	18
S231663		10	<1	0.04	10	0.31	350	<1	0.01	12	430	9	0.04	<2	1	16
S231664		10	<1	0.05	20	0.46	397	2	0.01	22	520	18	0.05	<2	2	18
S231665		10	1	0.05	20	0.61	616	2	0.02	24	500	19	0.08	2	3	20
S231666		10	1	0.05	10	0.50	398	2	0.01	19	510	18	0.05	2	2	15
S231667		10	1	0.04	20	0.63	448	1	0.02	25	450	12	0.05	<2	3	32
S231668		10	1	0.05	30	0.40	423	1	0.02	19	420	35	0.05	<2	1	15
S231669		10	<1	0.06	10	0.73	575	2	0.02	31	510	27	0.06	<2	2	30
S231670		10	1	0.04	40	0.46	448	2	0.02	23	410	46	0.05	2	2	15
S231671		10	1	0.06	10	0.55	398	2	0.02	24	380	20	0.04	2	3	14
S231672		10	<1	0.05	20	0.47	489	2	0.01	21	410	29	0.04	<2	3	13
S231673		10	1	0.08	50	0.46	494	1	0.01	14	380	11	0.03	2	3	13
S231674		10	1	0.05	20	0.33	323	2	0.01	17	410	22	0.05	3	2	13
S231675		10	1	0.04	30	0.39	327	1	0.01	21	380	36	0.04	2	2	12
S231676		10	1	0.05	10	0.43	232	8	0.02	15	360	11	0.03	<2	3	25
S231677		10	1	0.05	10	0.64	429	4	0.02	24	370	8	0.03	<2	4	29
S231678		<10	<1	0.04	10	0.33	225	5	0.03	10	490	8	0.03	<2	2	32
S231679		<10	1	0.03	10	0.18	191	3	0.03	6	740	3	0.04	<2	1	23
S231680		<10	1	0.03	20	0.11	193	3	0.04	5	960	<2	0.09	<2	2	37
S231681		10	<1	0.06	20	0.35	535	4	0.03	17	1270	12	0.14	<2	2	75
S231682		10	1	0.07	10	0.37	765	5	0.03	14	1000	8	0.08	<2	3	35
S231683		<10	1	0.04	10	0.20	123	1	0.04	7	610	<2	0.04	<2	1	22
S231684		10	1	0.08	10	0.32	284	2	0.03	13	880	9	0.06	<2	2	37
S231685		10	<1	0.08	10	0.32	892	2	0.03	15	730	7	0.03	<2	2	30
S231686		10	<1	0.12	10	0.36	347	2	0.03	12	560	6	0.04	2	2	28
S231687		10	1	0.09	10	0.56	242	1	0.02	20	580	15	0.02	<2	3	38
S231688		<10	1	0.07	10	0.37	214	2	0.02	18	420	7	0.03	2	2	32

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	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S231649		<20	0.08	<10	<10	64	<10	103
S231650		<20	<0.01	<10	<10	<1	<10	2
S231651		<20	0.07	<10	<10	58	<10	100
S231652		<20	0.07	<10	<10	64	<10	117
S231653		<20	0.08	<10	<10	64	<10	101
S231654		<20	0.10	<10	<10	56	<10	68
S231655		<20	0.08	<10	<10	60	<10	83
S231656		<20	0.06	<10	<10	55	<10	157
S231657		<20	0.05	<10	<10	51	<10	101
S231658		<20	0.05	<10	<10	40	<10	97
S231659		<20	0.05	<10	<10	63	<10	97
S231660		<20	0.05	<10	<10	28	<10	107
S231661		<20	0.06	<10	<10	54	<10	93
S231662		<20	0.08	<10	<10	64	<10	109
S231663		<20	0.12	<10	<10	80	<10	77
S231664		<20	0.10	<10	<10	78	<10	113
S231665		<20	0.10	<10	<10	74	<10	126
S231666		<20	0.05	<10	<10	58	<10	111
S231667		<20	0.11	<10	<10	69	<10	77
S231668		<20	0.07	<10	<10	52	<10	100
S231669		<20	0.07	<10	<10	67	<10	169
S231670		<20	0.07	<10	<10	55	<10	129
S231671		<20	0.10	<10	<10	62	<10	81
S231672		<20	0.08	<10	<10	54	<10	90
S231673		<20	0.07	<10	<10	49	<10	84
S231674		<20	0.07	<10	<10	51	<10	108
S231675		<20	0.07	<10	<10	52	<10	140
S231676		<20	0.15	<10	<10	94	<10	56
S231677		<20	0.13	<10	<10	83	<10	58
S231678		<20	0.08	<10	<10	55	<10	39
S231679		<20	0.06	<10	<10	44	<10	25
S231680		<20	0.03	<10	10	18	<10	13
S231681		<20	0.05	<10	<10	52	<10	44
S231682		<20	0.07	<10	<10	62	<10	42
S231683		<20	0.05	<10	<10	34	<10	26
S231684		<20	0.05	<10	<10	44	<10	33
S231685		<20	0.07	<10	<10	60	<10	42
S231686		<20	0.07	<10	<10	46	<10	42
S231687		<20	0.10	<10	<10	62	<10	66
S231688		<20	0.08	<10	<10	46	<10	43

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CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S231689		0.36	<0.005	0.4	1.55	6	<10	230	0.5	2	0.35	0.5	10	40	50	2.40
S231690		0.46	0.007	<0.2	2.43	9	<10	130	0.5	2	0.25	<0.5	11	47	33	3.20
S231691		0.29	NSS	0.5	2.10	7	<10	150	1.1	3	0.37	0.9	16	30	112	2.57
S231692		0.38	<0.005	0.7	2.33	7	<10	140	0.7	2	0.53	0.6	13	36	62	2.78
S231693		0.38	0.013	0.4	1.27	7	<10	140	0.7	2	0.45	<0.5	4	24	57	1.65
S231694		0.37	0.042	0.5	1.55	22	<10	110	0.5	5	0.46	<0.5	11	42	121	2.39
S231695		0.42	<0.005	<0.2	1.54	14	<10	100	<0.5	3	0.29	<0.5	15	72	18	3.20
S231696		0.45	<0.005	<0.2	2.25	18	<10	190	0.5	<2	0.30	<0.5	13	59	26	3.49
S231697		0.43	0.007	0.2	1.85	28	<10	140	0.6	2	0.36	<0.5	17	58	72	2.99
S231698		0.39	<0.005	0.4	1.60	22	<10	140	0.7	2	1.26	<0.5	17	70	82	2.81
S231699		0.31	<0.005	<0.2	0.32	5	<10	40	<0.5	<2	0.81	<0.5	4	12	19	0.79
S231700		0.08	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	1	<1	0.03
S231701		0.32	<0.005	<0.2	0.47	6	<10	70	<0.5	4	0.68	<0.5	4	20	30	0.82
S231702		0.40	0.009	0.5	1.96	12	<10	190	0.7	<2	0.95	0.5	11	41	75	3.14
S231703		0.32	<0.005	0.5	2.53	8	<10	140	0.8	3	0.47	0.9	11	53	47	3.46
S231704		0.42	<0.005	0.4	2.77	9	<10	200	0.9	2	0.55	<0.5	14	42	64	3.37
S231705		0.46	<0.005	<0.2	1.52	5	<10	140	<0.5	2	0.26	<0.5	9	37	20	2.31
S231706		0.31	<0.005	0.7	1.79	8	<10	130	<0.5	<2	0.27	<0.5	7	28	76	2.23
S231707		0.42	<0.005	0.3	1.61	8	<10	110	<0.5	<2	0.24	<0.5	7	29	27	2.99
S231708		0.42	<0.005	0.5	0.93	6	<10	100	<0.5	2	0.42	<0.5	11	17	34	2.00
S231709		0.34	<0.005	0.4	1.97	<2	<10	230	0.5	2	0.68	<0.5	11	34	41	2.13
S231710		0.38	<0.005	0.4	2.36	5	<10	220	0.5	<2	0.41	0.8	7	32	34	2.34
S231711		0.45	<0.005	<0.2	1.98	6	<10	90	1.8	<2	0.19	0.5	10	34	21	2.92
S231712		0.49	<0.005	<0.2	1.96	6	<10	120	0.7	3	0.29	<0.5	11	36	32	2.99
S231713		0.43	0.008	<0.2	1.91	5	<10	90	0.9	<2	0.18	<0.5	8	30	23	3.11
S231714		0.44	<0.005	<0.2	1.61	4	<10	120	<0.5	<2	0.38	<0.5	8	26	36	2.38
S231715		0.46	<0.005	<0.2	1.61	2	<10	120	0.5	<2	0.37	<0.5	8	27	31	2.61
S231716		0.28	<0.005	0.3	1.84	5	<10	130	0.8	3	0.34	<0.5	9	25	51	2.33
S231717		0.42	0.008	<0.2	1.57	11	<10	100	<0.5	3	0.17	<0.5	7	31	23	3.58
S231718		0.38	<0.005	0.4	0.96	3	<10	70	<0.5	<2	0.12	<0.5	2	12	23	1.29
S231719		0.33	<0.005	1.9	1.79	6	<10	130	<0.5	2	0.24	3.4	12	28	154	2.87
S231720		0.32	<0.005	0.2	1.01	4	<10	80	<0.5	2	0.17	0.5	4	17	66	1.65
S231721		0.41	<0.005	<0.2	1.77	7	<10	90	0.5	<2	0.15	<0.5	9	30	28	2.92
S231722		0.37	<0.005	0.2	2.33	9	<10	120	0.8	2	0.21	<0.5	11	42	35	3.55
S231723		0.28	<0.005	0.3	2.52	14	<10	120	0.8	3	0.24	0.5	14	43	38	3.90
S231724		0.44	<0.005	<0.2	1.91	7	<10	130	0.5	2	0.26	<0.5	10	31	26	2.71
S231725		0.54	<0.005	<0.2	2.15	9	<10	130	0.6	<2	0.26	<0.5	9	36	24	3.05
S231726		0.47	<0.005	<0.2	2.23	9	<10	100	0.5	2	0.22	<0.5	11	43	33	3.26
S231727		0.37	<0.005	0.6	2.74	11	<10	160	0.7	3	0.39	<0.5	10	45	50	2.98
S231728		0.48	<0.005	0.3	2.14	11	<10	100	0.8	<2	0.20	<0.5	10	47	43	2.88

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S231689		10	<1	0.12	10	0.54	268	1	0.03	40	620	5	0.04	<2	3	43
S231690		10	1	0.11	10	0.71	260	1	0.02	30	390	6	0.02	2	4	27
S231691		10	1	0.08	20	0.37	614	2	0.03	32	600	6	0.04	<2	4	49
S231692		10	1	0.14	10	0.53	565	1	0.03	27	840	9	0.06	<2	3	72
S231693		<10	<1	0.08	20	0.30	174	2	0.03	24	930	3	0.06	<2	3	44
S231694		<10	1	0.09	10	0.65	344	1	0.03	58	480	5	0.03	<2	4	37
S231695		10	1	0.16	10	1.53	301	1	0.02	117	350	7	0.01	<2	4	25
S231696		10	1	0.09	10	0.98	360	1	0.02	81	320	6	0.01	2	5	28
S231697		10	<1	0.21	10	0.99	493	1	0.03	144	380	8	0.01	<2	5	29
S231698		<10	1	0.13	20	1.45	332	1	0.03	325	740	7	0.08	3	5	69
S231699		<10	1	0.03	<10	0.53	156	1	0.04	83	640	<2	0.07	<2	1	41
S231700		<10	<1	<0.01	<10	<0.01	<5	1	0.01	<1	10	<2	0.04	<2	<1	1
S231701		<10	<1	0.02	<10	0.38	266	1	0.05	50	630	3	0.06	3	1	36
S231702		10	<1	0.09	10	0.50	897	2	0.03	46	950	4	0.08	4	4	71
S231703		10	<1	0.14	10	0.74	431	2	0.03	29	660	10	0.03	2	4	63
S231704		10	<1	0.15	20	0.63	501	2	0.03	30	690	7	0.03	<2	4	71
S231705		10	<1	0.11	10	0.61	285	1	0.02	22	330	5	<0.01	<2	3	26
S231706		10	1	0.08	10	0.43	203	2	0.03	18	600	6	0.03	<2	2	32
S231707		10	<1	0.09	10	0.48	242	2	0.02	16	570	10	0.01	4	3	25
S231708		<10	1	0.03	10	0.24	742	4	0.04	9	1140	4	0.07	<2	1	46
S231709		10	<1	0.12	20	0.64	957	2	0.02	18	970	11	0.03	<2	4	66
S231710		10	<1	0.10	10	0.52	306	3	0.03	17	680	12	0.05	<2	4	46
S231711		10	1	0.08	50	0.57	691	1	0.02	24	450	14	0.02	<2	4	17
S231712		10	<1	0.05	10	0.69	447	1	0.02	24	760	11	0.03	2	3	27
S231713		10	1	0.04	20	0.46	339	1	0.02	21	460	10	0.03	<2	2	18
S231714		10	<1	0.04	10	0.58	232	2	0.02	17	1000	4	0.03	<2	2	38
S231715		10	1	0.03	10	0.53	279	1	0.02	14	1260	5	0.04	<2	2	34
S231716		10	1	0.04	20	0.45	376	2	0.02	17	1350	6	0.14	<2	2	41
S231717		10	1	0.03	10	0.42	284	2	0.01	19	460	8	0.04	2	2	18
S231718		10	1	0.02	10	0.09	66	12	0.01	7	180	9	0.01	2	1	21
S231719		10	1	0.08	10	0.33	423	13	0.02	21	450	10	0.02	<2	3	29
S231720		10	<1	0.04	10	0.21	205	6	0.02	9	450	11	0.02	<2	2	24
S231721		10	<1	0.07	10	0.42	252	3	0.01	17	270	7	0.01	<2	3	17
S231722		10	<1	0.15	10	0.73	345	2	0.02	24	350	7	0.01	<2	4	22
S231723		10	<1	0.10	10	0.68	557	4	0.02	26	420	13	0.02	<2	4	27
S231724		10	1	0.11	10	0.51	474	2	0.02	19	350	8	0.01	<2	3	25
S231725		10	<1	0.12	10	0.61	353	2	0.02	20	320	6	0.01	<2	4	24
S231726		10	<1	0.17	10	0.68	306	2	0.02	28	460	5	0.02	<2	4	22
S231727		10	1	0.09	10	0.68	283	1	0.02	41	470	19	0.03	<2	4	42
S231728		10	<1	0.15	10	0.76	313	1	0.01	55	460	12	0.03	<2	3	22

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S231689		<20	0.09	<10	<10	65	<10	42
S231690		<20	0.13	<10	<10	71	<10	49
S231691		<20	0.07	<10	<10	53	<10	38
S231692		<20	0.07	<10	<10	58	<10	55
S231693		<20	0.04	<10	<10	35	<10	35
S231694		<20	0.09	<10	<10	56	<10	43
S231695		<20	0.11	<10	<10	65	<10	58
S231696		<20	0.10	<10	<10	78	<10	64
S231697		<20	0.13	<10	<10	68	<10	52
S231698		<20	0.09	<10	<10	51	<10	46
S231699		<20	0.03	<10	<10	19	<10	14
S231700		<20	<0.01	<10	<10	<1	<10	<2
S231701		<20	0.04	<10	<10	20	<10	17
S231702		<20	0.06	<10	<10	66	<10	50
S231703		<20	0.09	<10	<10	73	<10	74
S231704		<20	0.09	<10	<10	73	<10	57
S231705		<20	0.12	<10	<10	60	<10	52
S231706		<20	0.07	<10	<10	53	<10	45
S231707		<20	0.11	<10	<10	78	<10	55
S231708		<20	0.04	<10	<10	58	<10	18
S231709		<20	0.10	<10	<10	40	<10	47
S231710		<20	0.09	<10	<10	49	<10	57
S231711		<20	0.09	<10	<10	59	<10	94
S231712		<20	0.11	<10	<10	68	<10	59
S231713		<20	0.08	<10	<10	65	<10	73
S231714		<20	0.11	<10	<10	57	<10	45
S231715		<20	0.09	<10	<10	65	<10	46
S231716		<20	0.05	<10	<10	49	<10	46
S231717		<20	0.10	<10	<10	82	<10	69
S231718		<20	0.08	<10	<10	50	<10	20
S231719		<20	0.11	<10	<10	70	10	37
S231720		<20	0.07	<10	<10	47	<10	27
S231721		<20	0.12	<10	<10	69	<10	46
S231722		<20	0.16	<10	<10	76	<10	62
S231723		<20	0.13	<10	<10	95	<10	55
S231724		<20	0.11	<10	<10	62	<10	48
S231725		<20	0.12	<10	<10	66	<10	54
S231726		<20	0.13	<10	<10	71	<10	58
S231727		<20	0.09	<10	<10	60	<10	61
S231728		<20	0.08	<10	<10	62	<10	75

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Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S231729		0.44	0.011	0.2	2.25	10	<10	110	0.5	2	0.14	<0.5	12	41	64	3.29
S231730		0.41	<0.005	<0.2	2.66	10	<10	230	0.7	2	0.23	<0.5	12	152	37	3.47
S231731		0.54	<0.005	<0.2	2.04	11	<10	120	<0.5	3	0.24	<0.5	12	61	47	3.29
S231732		0.54	<0.005	<0.2	1.91	8	<10	120	0.5	2	0.41	<0.5	12	50	39	2.58
S231733		0.44	<0.005	<0.2	2.55	8	<10	150	0.6	<2	0.29	<0.5	10	55	41	3.45
S231734		0.46	<0.005	<0.2	2.59	5	<10	160	0.7	3	0.36	<0.5	14	69	70	3.13
S231735		0.41	<0.005	<0.2	1.83	8	<10	120	0.6	<2	0.15	<0.5	8	29	15	2.68
S231736		0.46	<0.005	<0.2	2.81	11	<10	140	1.1	<2	0.23	0.6	12	41	27	3.19
S231737		0.45	<0.005	0.2	1.69	13	<10	80	<0.5	<2	0.12	<0.5	6	28	19	3.42
S231738		0.35	<0.005	0.6	1.91	10	<10	110	1.0	<2	0.14	<0.5	6	32	27	3.25
S231739		0.47	<0.005	0.2	2.18	9	<10	160	0.8	<2	0.39	<0.5	11	37	27	2.93
S231740		0.38	<0.005	<0.2	1.46	4	<10	110	<0.5	<2	0.29	<0.5	7	27	22	2.35
S231741		0.47	<0.005	<0.2	1.15	4	<10	70	<0.5	<2	0.19	<0.5	6	22	21	2.42
S231742		0.40	<0.005	<0.2	1.44	6	<10	120	<0.5	<2	0.28	<0.5	5	21	30	2.00
S231743		0.51	0.021	<0.2	1.23	5	<10	70	<0.5	<2	0.24	<0.5	7	31	18	2.86
S231744		0.48	<0.005	<0.2	1.44	3	<10	90	<0.5	<2	0.32	<0.5	9	27	21	2.36
S231745		0.50	<0.005	<0.2	1.66	5	<10	130	0.5	<2	0.25	<0.5	8	27	25	2.58
S231746		0.55	<0.005	<0.2	1.57	5	<10	130	0.5	<2	0.29	<0.5	8	27	19	2.37
S231747		0.35	0.008	0.4	2.39	8	<10	210	1.0	<2	0.21	<0.5	12	30	53	2.74
S231748		0.49	<0.005	0.2	1.67	5	<10	150	<0.5	<2	0.26	0.6	9	34	15	1.97
S231749		0.51	<0.005	<0.2	1.84	4	<10	170	0.5	<2	0.44	<0.5	8	32	19	2.83
S231750		0.06	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	1	1	0.03
S231751		0.58	<0.005	<0.2	1.58	2	<10	310	<0.5	<2	0.42	<0.5	8	29	17	2.43
S231752		0.51	<0.005	<0.2	1.50	4	<10	110	<0.5	<2	0.34	<0.5	7	34	29	2.71
S231753		0.35	<0.005	0.3	2.11	6	<10	210	0.6	<2	0.62	<0.5	9	28	58	2.41
S231754		0.38	<0.005	<0.2	1.53	5	<10	130	<0.5	2	0.25	<0.5	7	19	17	2.11
S231755		0.53	<0.005	0.2	1.97	6	<10	150	0.5	<2	0.32	<0.5	10	35	18	2.86
S231756		0.60	0.008	<0.2	1.19	3	<10	120	<0.5	<2	0.42	<0.5	6	29	17	2.61
S231757		0.50	<0.005	0.2	1.64	5	<10	150	<0.5	<2	0.30	<0.5	12	36	22	2.85
S231758		0.58	<0.005	0.2	1.24	5	<10	130	<0.5	<2	0.41	<0.5	7	24	16	2.48
S231759		0.61	0.018	<0.2	1.43	2	<10	240	<0.5	<2	0.51	<0.5	8	31	18	2.72
S231760		0.42	<0.005	0.7	2.84	8	<10	300	0.7	<2	0.43	<0.5	10	48	35	3.98
S231761		0.55	<0.005	0.2	1.48	4	<10	150	<0.5	<2	0.27	<0.5	7	28	18	2.38
S231762		0.41	<0.005	0.2	1.27	8	<10	80	<0.5	<2	0.15	<0.5	5	24	15	2.46

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S231729		10	1	0.11	10	0.71	272	2	0.01	35	360	7	0.02	2	4	18
S231730		10	<1	0.16	10	1.21	319	1	0.02	69	430	6	0.01	3	5	21
S231731		10	1	0.23	10	0.94	263	1	0.01	79	340	5	0.01	<2	4	26
S231732		10	<1	0.11	10	0.86	297	1	0.02	43	850	6	<0.01	<2	5	37
S231733		10	1	0.21	10	0.95	279	1	0.01	41	460	8	<0.01	<2	5	35
S231734		10	1	0.29	10	1.10	304	1	0.02	35	570	4	<0.01	<2	6	45
S231735		10	1	0.05	10	0.42	226	1	0.01	21	240	8	<0.01	<2	3	16
S231736		10	1	0.08	10	0.62	389	1	0.01	38	340	17	0.01	<2	4	20
S231737		10	<1	0.05	10	0.33	197	2	0.01	20	310	12	0.01	<2	2	15
S231738		10	1	0.06	20	0.40	228	2	0.01	21	260	14	0.01	<2	3	19
S231739		10	<1	0.07	20	0.86	577	<1	0.01	25	1000	7	0.01	<2	4	57
S231740		<10	<1	0.05	10	0.49	312	1	0.01	18	710	6	0.02	<2	3	25
S231741		10	<1	0.04	10	0.32	257	1	0.01	13	650	5	0.03	2	1	23
S231742		<10	<1	0.04	10	0.34	165	1	0.02	15	890	5	0.09	<2	1	27
S231743		10	<1	0.06	10	0.47	250	1	0.01	16	580	7	0.01	<2	2	33
S231744		<10	<1	0.06	10	0.52	317	<1	0.01	19	680	5	<0.01	<2	3	45
S231745		10	<1	0.05	10	0.50	341	1	0.01	19	590	6	0.02	<2	2	30
S231746		<10	<1	0.05	10	0.49	322	<1	0.01	18	710	5	0.01	<2	3	33
S231747		10	<1	0.04	10	0.34	1925	3	0.02	16	2070	18	0.16	<2	1	25
S231748		10	<1	0.06	10	0.55	713	3	0.01	13	650	28	0.03	<2	2	27
S231749		10	<1	0.06	10	0.66	315	2	0.01	17	840	10	0.01	<2	3	76
S231750		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	1	10	<2	0.01	<2	<1	<1
S231751		<10	<1	0.07	10	0.65	329	1	0.01	15	960	10	<0.01	<2	3	168
S231752		10	<1	0.06	10	0.61	301	7	0.01	16	680	29	0.02	<2	3	48
S231753		10	<1	0.09	10	0.61	419	2	0.03	19	960	9	0.03	<2	4	75
S231754		10	<1	0.06	10	0.40	240	1	0.02	13	500	7	0.01	<2	2	27
S231755		10	<1	0.06	10	0.63	335	1	0.01	21	690	6	<0.01	<2	3	35
S231756		<10	<1	0.07	10	0.50	216	1	0.02	14	860	4	0.01	<2	3	40
S231757		10	<1	0.08	10	0.61	507	2	0.01	19	640	8	0.02	<2	3	33
S231758		<10	<1	0.06	10	0.40	400	1	0.02	12	890	5	0.02	<2	2	42
S231759		10	<1	0.08	20	0.75	312	<1	0.02	13	1270	4	0.01	<2	4	84
S231760		10	<1	0.09	10	0.67	883	2	0.02	22	1450	14	0.10	<2	4	52
S231761		10	<1	0.07	10	0.53	360	1	0.02	15	660	10	0.02	<2	3	39
S231762		10	1	0.07	10	0.37	227	2	0.01	13	480	12	0.01	<2	2	19

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S231729		<20	0.13	<10	<10	71	<10	62
S231730		<20	0.17	<10	<10	90	<10	66
S231731		<20	0.15	<10	<10	69	<10	52
S231732		<20	0.14	<10	<10	60	<10	45
S231733		<20	0.16	<10	<10	70	<10	52
S231734		<20	0.19	<10	<10	68	<10	42
S231735		<20	0.07	<10	<10	54	<10	48
S231736		<20	0.10	<10	<10	62	<10	66
S231737		<20	0.12	<10	<10	81	<10	45
S231738		<20	0.10	<10	<10	81	<10	56
S231739		<20	0.11	<10	<10	66	<10	65
S231740		<20	0.09	<10	<10	56	<10	54
S231741		<20	0.07	<10	<10	64	<10	47
S231742		<20	0.05	<10	<10	42	<10	39
S231743		<20	0.08	<10	<10	69	<10	51
S231744		<20	0.09	<10	<10	55	<10	47
S231745		<20	0.07	<10	<10	60	<10	54
S231746		<20	0.08	<10	<10	54	<10	48
S231747		<20	0.02	<10	<10	66	<10	43
S231748		<20	0.08	<10	<10	70	<10	69
S231749		<20	0.09	<10	<10	69	<10	46
S231750		<20	<0.01	<10	<10	<1	<10	<2
S231751		<20	0.08	<10	<10	60	<10	40
S231752		<20	0.10	<10	<10	76	10	58
S231753		<20	0.08	<10	<10	60	<10	50
S231754		<20	0.08	<10	<10	55	<10	45
S231755		<20	0.11	<10	<10	69	<10	50
S231756		<20	0.11	<10	<10	68	<10	40
S231757		<20	0.11	<10	<10	77	<10	53
S231758		<20	0.09	<10	<10	71	<10	44
S231759		<20	0.10	<10	<10	70	<10	41
S231760		<20	0.07	<10	<10	97	10	70
S231761		<20	0.09	<10	<10	63	<10	51
S231762		<20	0.12	<10	<10	74	<10	53

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113506

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	LOG-21	LOG-23	SCR-41	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au-AA23	ME-ICP41

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

CERTIFICATE WH15113623

Project: SUM15-01

P.O. No.: SUM15-01_4

This report is for 331 Soil samples submitted to our lab in Whitehorse, YT, Canada on 30-JUL-2015.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL	THOMAS BRANSON	SUMAC MINES

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

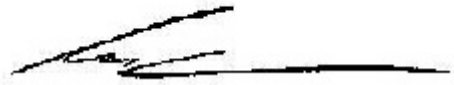
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **EQUITY EXPLORATION CONSULTANTS LTD.**
ATTN: THOMAS BRANSON
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
S232326		0.66	0.005	<0.2	2.21	8	<10	110	1.1	<2	0.19	<0.5	10	34	25	3.05
S232327		0.47	<0.005	<0.2	2.08	11	<10	100	1.1	<2	0.19	<0.5	11	31	31	3.33
S232328		0.56	<0.005	0.2	2.52	10	<10	130	1.1	<2	0.20	<0.5	10	40	27	3.47
S232329		0.57	<0.005	0.2	2.23	10	<10	110	1.2	<2	0.20	<0.5	9	35	26	3.45
S232330		0.49	0.005	<0.2	1.85	11	<10	90	0.8	<2	0.14	<0.5	7	31	30	3.63
S232331		0.50	<0.005	0.2	1.93	9	<10	80	1.1	2	0.24	<0.5	7	31	22	3.13
S232332		0.56	<0.005	0.2	2.56	10	<10	140	2.0	<2	0.25	<0.5	12	38	35	3.64
S232333		0.44	<0.005	0.6	2.86	17	<10	100	1.5	<2	0.17	0.9	10	41	25	4.35
S232334		0.64	<0.005	0.3	2.74	11	<10	130	1.1	4	0.28	<0.5	13	46	32	4.06
S232335		0.52	0.007	0.2	1.77	9	<10	130	1.1	3	0.39	<0.5	9	37	28	3.23
S232336		0.48	<0.005	<0.2	2.08	7	<10	70	1.0	<2	0.22	0.5	8	29	22	2.88
S232337		0.51	0.020	<0.2	2.12	4	<10	90	1.6	15	0.30	<0.5	10	35	27	2.77
S232338		0.40	0.009	0.2	1.73	10	<10	140	1.2	2	0.18	0.8	11	31	33	3.83
S232339		0.40	<0.005	<0.2	1.91	7	<10	70	0.8	<2	0.13	<0.5	8	31	19	3.26
S232340		0.38	<0.005	<0.2	2.64	11	<10	100	2.3	2	0.27	0.7	8	34	29	3.77
S232341		0.28	NSS	<0.2	1.31	6	<10	100	0.6	<2	0.20	0.6	9	21	24	2.46
S232342		0.48	<0.005	<0.2	1.64	7	<10	90	0.6	2	0.16	0.5	8	25	20	3.21
S232343		0.53	<0.005	<0.2	1.59	5	<10	70	1.3	<2	0.29	0.6	8	24	19	2.08
S232344		0.41	<0.005	<0.2	0.90	2	<10	50	<0.5	<2	0.12	<0.5	6	14	20	2.08
S232345		0.55	0.010	<0.2	2.05	7	<10	80	0.7	<2	0.18	<0.5	8	31	18	2.72
S232346		0.59	0.007	<0.2	2.01	7	<10	80	0.7	<2	0.13	<0.5	8	31	22	3.23
S232347		0.46	<0.005	<0.2	1.49	5	<10	80	0.5	<2	0.17	<0.5	7	26	20	2.47
S232253		0.48	0.008	<0.2	2.74	9	<10	60	0.7	<2	0.13	<0.5	8	31	16	3.65
S232254		0.46	0.008	0.2	2.54	11	<10	80	1.1	<2	0.14	0.5	10	30	23	3.90
S232255		0.37	<0.005	<0.2	1.90	13	<10	90	0.8	<2	0.13	<0.5	8	30	32	3.90
S232256		0.35	0.005	<0.2	1.39	8	<10	80	<0.5	<2	0.12	<0.5	6	23	22	3.07
S232257		0.42	<0.005	<0.2	2.52	11	<10	130	1.9	<2	0.31	0.5	11	36	31	3.64
S232258		0.58	<0.005	<0.2	1.44	6	<10	100	0.8	<2	0.39	<0.5	9	29	17	2.54
S232259		0.36	<0.005	<0.2	1.39	8	<10	60	0.7	<2	0.14	<0.5	6	22	25	2.85
S232260		0.44	0.006	<0.2	1.56	10	<10	100	0.6	<2	0.19	<0.5	8	26	24	3.34
S232261		0.62	<0.005	<0.2	1.82	6	<10	90	1.0	<2	0.52	<0.5	10	31	20	2.76
S232262		0.57	0.006	<0.2	2.00	10	<10	100	0.8	<2	0.16	<0.5	8	31	31	3.55
S232263		0.66	0.012	<0.2	2.00	8	<10	120	1.1	20	0.32	<0.5	10	31	28	2.83
S232264		0.47	<0.005	<0.2	1.74	10	<10	90	0.5	<2	0.15	<0.5	7	29	19	3.53
S232265		0.45	<0.005	<0.2	2.05	8	<10	110	0.7	<2	0.17	<0.5	9	30	22	2.94
S232266		0.54	<0.005	<0.2	3.37	9	<10	120	1.1	2	0.19	<0.5	11	35	23	3.84
S232267		0.61	0.005	<0.2	2.21	9	<10	110	1.0	<2	0.22	<0.5	9	32	17	3.43
S232268		0.62	<0.005	<0.2	1.89	7	<10	100	0.8	2	0.33	<0.5	9	31	16	2.97
S232269		0.42	<0.005	0.4	1.94	12	<10	100	0.6	<2	0.13	0.5	7	28	42	3.80
S232270		0.41	<0.005	0.2	2.16	6	<10	170	1.1	<2	0.41	<0.5	9	31	51	2.79

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S232326		10	<1	0.06	20	0.57	494	1	0.01	27	560	14	0.04	<2	3	17
S232327		10	<1	0.06	20	0.53	776	2	0.02	26	790	19	0.05	<2	2	19
S232328		10	<1	0.06	20	0.62	476	1	0.01	26	410	13	0.03	<2	3	17
S232329		10	<1	0.07	20	0.53	442	1	0.01	26	490	17	0.13	<2	3	18
S232330		10	<1	0.05	10	0.42	347	2	0.01	23	370	16	0.15	<2	2	16
S232331		10	<1	0.06	20	0.42	303	1	0.01	21	510	20	0.10	<2	2	18
S232332		10	<1	0.06	30	0.57	595	1	0.01	30	510	23	0.06	<2	3	21
S232333		10	<1	0.09	10	0.55	491	2	0.01	26	820	29	0.07	<2	3	17
S232334		10	<1	0.09	20	0.65	443	1	0.01	30	450	20	0.02	<2	4	24
S232335		10	<1	0.07	30	0.55	501	1	0.01	23	680	14	0.01	3	3	25
S232336		10	<1	0.06	20	0.44	262	1	0.01	26	440	17	0.01	<2	2	16
S232337		10	<1	0.04	20	0.49	357	1	0.01	28	710	18	<0.01	<2	3	18
S232338		10	<1	0.07	20	0.35	586	2	0.01	21	580	19	0.02	<2	2	19
S232339		10	<1	0.05	10	0.42	267	2	0.01	21	360	17	0.01	2	2	11
S232340		10	<1	0.04	80	0.46	313	2	0.01	28	590	68	0.02	<2	3	26
S232341		10	<1	0.06	10	0.32	1115	1	0.01	18	760	17	0.06	3	1	20
S232342		10	<1	0.04	10	0.37	448	2	<0.01	19	350	17	0.01	<2	2	16
S232343		10	<1	0.05	20	0.36	375	1	0.01	19	750	7	<0.01	<2	2	16
S232344		<10	<1	0.03	10	0.21	214	1	0.01	10	380	6	0.02	<2	1	9
S232345		10	<1	0.04	10	0.46	259	1	0.01	22	350	12	<0.01	<2	3	12
S232346		10	<1	0.05	10	0.42	369	2	<0.01	21	520	15	0.03	2	2	12
S232347		10	<1	0.05	10	0.41	305	1	0.01	19	560	10	0.03	<2	2	13
S232253		10	<1	0.04	10	0.35	254	2	0.01	19	390	15	<0.01	<2	3	11
S232254		10	<1	0.04	20	0.36	315	2	0.01	23	460	17	0.01	<2	3	13
S232255		10	<1	0.04	20	0.41	408	3	0.01	26	440	25	0.01	<2	2	18
S232256		10	<1	0.03	10	0.21	149	2	<0.01	16	380	11	0.02	2	2	14
S232257		10	<1	0.05	40	0.64	410	2	0.02	30	740	29	0.02	<2	4	31
S232258		10	<1	0.05	20	0.55	338	1	0.01	21	800	9	<0.01	<2	3	23
S232259		10	<1	0.04	10	0.24	205	2	0.01	18	390	17	0.01	2	2	13
S232260		10	<1	0.04	20	0.33	228	2	0.01	22	380	14	0.01	<2	2	19
S232261		10	<1	0.06	20	0.65	494	2	0.01	22	960	10	0.02	<2	3	43
S232262		10	<1	0.03	10	0.38	292	2	<0.01	26	390	13	0.03	2	2	15
S232263		10	<1	0.06	20	0.57	449	1	0.01	26	710	13	0.01	<2	3	22
S232264		10	<1	0.03	10	0.32	218	2	0.01	18	360	12	<0.01	2	3	21
S232265		10	<1	0.04	10	0.40	260	1	0.01	22	300	11	<0.01	2	3	17
S232266		10	<1	0.06	10	0.47	316	1	0.01	26	590	13	0.02	<2	3	18
S232267		10	<1	0.06	20	0.55	294	2	0.01	21	460	16	<0.01	<2	3	20
S232268		10	<1	0.06	20	0.58	348	1	0.01	22	620	12	<0.01	<2	3	25
S232269		10	<1	0.05	10	0.35	269	2	0.01	18	400	11	<0.01	<2	3	14
S232270		10	<1	0.08	30	0.45	397	1	0.02	24	610	18	<0.01	2	3	29

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S232326		<20	0.11	<10	<10	71	<10	88
S232327		<20	0.09	<10	<10	73	<10	113
S232328		<20	0.11	<10	<10	78	<10	99
S232329		<20	0.11	<10	<10	78	<10	102
S232330		<20	0.11	<10	<10	91	<10	106
S232331		<20	0.10	<10	<10	76	<10	87
S232332		<20	0.11	<10	<10	80	<10	107
S232333		<20	0.10	<10	<10	85	<10	112
S232334		<20	0.15	<10	<10	97	<10	94
S232335		<20	0.12	<10	<10	86	<10	84
S232336		<20	0.09	<10	<10	62	<10	79
S232337		<20	0.09	<10	<10	65	<10	84
S232338		<20	0.11	<10	<10	83	<10	108
S232339		<20	0.12	<10	<10	77	<10	83
S232340		<20	0.11	<10	<10	79	<10	114
S232341		<20	0.06	<10	<10	56	<10	101
S232342		<20	0.09	<10	<10	68	<10	104
S232343		<20	0.09	<10	<10	48	<10	75
S232344		<20	0.08	<10	<10	61	<10	47
S232345		<20	0.11	<10	<10	64	<10	68
S232346		<20	0.08	<10	<10	71	<10	81
S232347		<20	0.08	<10	<10	60	<10	65
S232253		<20	0.10	<10	<10	67	<10	61
S232254		<20	0.11	<10	<10	84	<10	80
S232255		<20	0.10	<10	<10	84	<10	106
S232256		<20	0.10	<10	<10	89	<10	52
S232257		<20	0.09	<10	<10	72	<10	105
S232258		<20	0.11	<10	<10	59	<10	72
S232259		<20	0.09	<10	<10	78	<10	66
S232260		<20	0.10	<10	<10	81	<10	69
S232261		<20	0.09	<10	<10	64	<10	63
S232262		<20	0.09	<10	<10	80	<10	81
S232263		<20	0.12	<10	<10	64	<10	77
S232264		<20	0.13	<10	<10	95	<10	54
S232265		<20	0.11	<10	<10	79	<10	53
S232266		<20	0.12	<10	<10	71	<10	85
S232267		<20	0.12	<10	<10	82	<10	71
S232268		<20	0.13	<10	<10	65	<10	78
S232269		<20	0.13	<10	<10	89	<10	56
S232270		<20	0.11	<10	<10	69	<10	68

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S232271		0.44	<0.005	<0.2	2.17	10	<10	130	0.8	<2	0.15	0.6	9	29	26	3.72
S232272		0.50	<0.005	<0.2	2.22	11	<10	120	0.8	<2	0.22	<0.5	9	32	33	4.05
S232273		0.48	<0.005	<0.2	2.72	12	<10	140	0.8	2	0.20	<0.5	11	41	28	4.11
S232274		0.46	<0.005	<0.2	1.99	9	<10	120	1.3	<2	0.28	<0.5	9	32	26	2.93
S232275		0.45	<0.005	<0.2	1.92	9	<10	120	1.3	<2	0.28	<0.5	9	32	25	2.88
S232276		0.41	<0.005	<0.2	1.86	12	<10	110	0.6	<2	0.17	<0.5	8	31	22	4.09
S232277		0.48	0.007	<0.2	1.87	6	<10	100	0.9	<2	0.32	<0.5	10	31	30	2.51
S232278		0.49	0.005	<0.2	2.40	11	<10	110	1.1	<2	0.16	<0.5	11	38	28	3.16
S232279		0.44	<0.005	<0.2	1.94	11	<10	80	0.8	<2	0.14	<0.5	7	36	33	3.47
S232280		0.40	0.005	<0.2	1.86	5	<10	70	0.7	<2	0.18	<0.5	9	29	19	2.25
S232281		0.37	<0.005	0.2	2.19	8	<10	90	1.0	<2	0.17	<0.5	8	33	26	3.03
S232282		0.51	0.005	<0.2	2.40	11	<10	100	0.9	<2	0.15	<0.5	9	36	24	3.54
S232283		0.40	0.009	<0.2	2.34	7	<10	110	0.8	<2	0.24	<0.5	10	34	22	2.81
S232284		0.48	0.006	<0.2	2.23	7	<10	110	1.2	<2	0.22	<0.5	10	32	24	2.59
S232285		0.45	0.005	<0.2	3.24	13	<10	220	2.4	<2	0.26	<0.5	14	46	42	3.48
S232286		0.40	<0.005	<0.2	2.10	13	<10	120	0.6	<2	0.13	<0.5	8	34	18	4.04
S232287		0.42	<0.005	<0.2	2.63	14	<10	100	0.8	3	0.14	<0.5	9	37	19	4.37
S232288		0.46	0.005	<0.2	1.61	6	<10	90	0.8	<2	0.21	<0.5	8	24	19	2.18
S232289		0.31	<0.005	0.2	2.31	12	<10	220	0.8	<2	0.23	0.9	11	36	26	4.34
S232290		0.30	<0.005	0.2	2.61	10	<10	330	1.5	<2	0.19	1.4	18	40	26	4.65
S232291		0.42	0.005	0.2	2.33	12	<10	130	1.1	<2	0.20	<0.5	8	36	25	3.56
S232292		0.37	0.006	0.2	2.39	12	<10	150	0.7	<2	0.26	<0.5	10	40	20	3.66
S232293		0.68	0.005	<0.2	1.36	3	<10	80	1.2	<2	0.38	<0.5	6	27	16	1.89
S232294		0.52	0.005	<0.2	1.44	4	<10	70	1.3	<2	0.33	<0.5	6	26	15	1.98
S232295		0.70	0.006	<0.2	1.80	5	<10	120	1.8	<2	0.37	<0.5	10	39	24	2.51
S232296		0.60	<0.005	<0.2	1.97	5	<10	110	1.8	<2	0.30	<0.5	9	33	21	2.78
S232297		0.56	<0.005	<0.2	1.42	10	<10	140	0.7	<2	0.14	<0.5	8	28	34	2.89
S232298		0.69	<0.005	<0.2	1.50	6	<10	70	2.9	<2	0.30	<0.5	7	25	20	2.28
S232299		0.58	<0.005	<0.2	1.79	8	<10	80	1.3	<2	0.16	<0.5	9	29	21	2.68
S232300		0.05	<0.005	<0.2	0.01	3	<10	<10	<0.5	<2	0.01	<0.5	<1	1	1	0.03
S232301		0.56	0.005	0.2	2.03	6	<10	140	0.8	2	0.62	<0.5	9	34	28	2.57
S232302		0.46	<0.005	0.3	2.10	12	<10	160	0.5	<2	0.28	<0.5	13	36	20	3.49
S232303		0.34	<0.005	0.2	2.40	14	<10	80	0.6	<2	0.19	<0.5	9	37	18	4.28
S232304		0.51	0.005	0.2	3.07	14	<10	150	0.6	2	0.29	<0.5	14	43	29	4.17
S232305		0.55	<0.005	0.2	2.49	12	<10	150	0.6	<2	0.21	<0.5	11	38	24	4.13
S232306		0.60	<0.005	<0.2	2.04	7	<10	90	0.7	<2	0.27	<0.5	9	35	22	3.10
S232307		0.70	<0.005	0.4	2.26	12	<10	90	1.2	<2	0.25	<0.5	10	33	42	3.53
S232308		0.47	<0.005	0.2	2.22	12	<10	130	1.0	<2	0.17	0.5	14	30	30	3.78
S232309		0.56	<0.005	<0.2	2.32	14	<10	100	0.8	<2	0.19	<0.5	9	34	26	3.68
S232310		0.53	<0.005	<0.2	1.99	13	<10	130	0.5	<2	0.15	<0.5	8	33	24	3.71

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1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S232271		10	<1	0.06	10	0.39	445	3	0.01	24	510	25	<0.01	3	3	17
S232272		10	<1	0.06	10	0.47	331	2	0.01	22	480	19	0.01	<2	3	21
S232273		10	<1	0.08	20	0.59	434	2	0.01	28	740	21	0.01	<2	3	21
S232274		10	<1	0.07	40	0.49	463	1	0.01	22	730	16	0.01	<2	3	22
S232275		10	<1	0.06	40	0.47	452	1	0.01	23	730	14	0.01	<2	3	21
S232276		10	<1	0.05	10	0.42	221	2	0.01	21	280	19	<0.01	2	3	17
S232277		10	1	0.06	20	0.51	411	<1	0.01	26	700	13	0.01	<2	3	23
S232278		10	1	0.05	20	0.54	399	1	0.01	25	470	19	0.04	2	3	16
S232279		10	<1	0.05	10	0.48	299	1	<0.01	22	420	14	0.03	<2	2	14
S232280		<10	<1	0.05	20	0.44	376	<1	0.01	20	310	15	0.02	<2	3	14
S232281		10	1	0.04	20	0.51	334	<1	0.01	23	520	15	0.04	<2	2	14
S232282		10	1	0.04	10	0.49	343	1	0.01	25	360	16	0.02	2	3	15
S232283		10	<1	0.04	10	0.46	290	<1	0.01	22	610	11	0.02	2	3	17
S232284		10	1	0.06	30	0.48	396	<1	0.01	24	460	12	0.01	<2	3	17
S232285		10	1	0.07	60	0.71	498	<1	0.01	34	490	22	0.01	<2	5	25
S232286		10	<1	0.04	10	0.39	399	1	0.01	19	360	13	0.01	2	3	15
S232287		10	1	0.05	10	0.42	340	2	<0.01	20	320	19	0.01	2	3	17
S232288		10	1	0.04	20	0.37	283	<1	0.01	18	490	12	0.01	<2	2	18
S232289		10	<1	0.09	10	0.54	468	2	0.01	24	470	23	0.02	<2	3	29
S232290		10	<1	0.08	20	0.57	1130	1	0.01	26	620	40	0.02	<2	3	23
S232291		10	1	0.05	20	0.49	263	1	0.01	23	270	16	0.01	2	3	21
S232292		10	1	0.06	10	0.59	273	1	0.01	22	430	12	0.01	<2	4	27
S232293		<10	<1	0.06	20	0.43	249	<1	0.01	13	660	10	0.01	<2	4	25
S232294		<10	<1	0.06	30	0.38	362	<1	0.01	16	560	9	0.01	<2	3	21
S232295		10	<1	0.07	30	0.60	460	<1	0.01	26	890	12	0.04	<2	3	43
S232296		10	<1	0.06	50	0.60	497	<1	0.01	25	900	18	0.02	2	3	24
S232297		10	1	0.04	20	0.32	414	2	0.01	21	880	19	0.10	4	1	19
S232298		10	1	0.06	90	0.37	440	<1	0.01	19	910	21	0.02	<2	2	21
S232299		10	<1	0.04	30	0.45	359	<1	0.01	22	300	22	0.02	<2	2	13
S232300		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.02	<2	<1	1
S232301		10	<1	0.09	40	0.61	354	2	0.02	23	650	11	0.02	<2	5	43
S232302		10	<1	0.08	10	0.58	787	3	0.01	20	470	16	0.01	3	3	27
S232303		10	<1	0.06	10	0.50	245	6	0.01	20	670	18	0.02	2	3	21
S232304		10	<1	0.11	10	0.80	312	2	0.01	30	490	11	0.01	<2	4	25
S232305		10	1	0.07	10	0.57	307	1	0.01	24	400	19	0.01	<2	4	22
S232306		10	<1	0.05	20	0.62	273	<1	0.01	22	330	12	0.01	<2	3	24
S232307		10	<1	0.09	20	0.56	310	1	0.01	21	350	17	0.01	<2	3	25
S232308		10	<1	0.07	10	0.40	995	2	0.01	24	990	24	0.03	4	2	19
S232309		10	<1	0.07	10	0.48	278	<1	0.01	24	370	14	0.02	2	3	18
S232310		10	1	0.05	10	0.41	314	1	0.01	19	370	16	0.02	2	3	18

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S232271		<20	0.09	<10	<10	88	<10	134
S232272		<20	0.10	<10	<10	83	<10	86
S232273		<20	0.12	<10	<10	86	<10	96
S232274		<20	0.10	<10	<10	68	<10	74
S232275		<20	0.10	<10	<10	67	<10	72
S232276		<20	0.12	<10	<10	99	<10	65
S232277		<20	0.10	<10	<10	61	<10	65
S232278		<20	0.09	<10	<10	74	<10	79
S232279		<20	0.11	<10	<10	82	<10	75
S232280		<20	0.10	<10	<10	54	<10	69
S232281		<20	0.08	<10	<10	62	<10	97
S232282		<20	0.10	<10	<10	78	<10	86
S232283		<20	0.11	<10	<10	67	<10	62
S232284		<20	0.11	<10	<10	61	<10	67
S232285		<20	0.10	<10	<10	71	<10	94
S232286		<20	0.11	<10	<10	90	<10	93
S232287		<20	0.13	<10	<10	102	<10	71
S232288		<20	0.06	<10	<10	48	<10	75
S232289		<20	0.11	<10	<10	97	<10	167
S232290		<20	0.11	<10	<10	95	<10	298
S232291		<20	0.13	<10	<10	88	<10	84
S232292		<20	0.12	<10	<10	88	<10	76
S232293		<20	0.10	<10	<10	45	<10	65
S232294		<20	0.10	<10	<10	49	<10	65
S232295		<20	0.08	<10	<10	59	<10	85
S232296		<20	0.10	<10	<10	62	<10	95
S232297		<20	0.06	<10	<10	71	<10	77
S232298		<20	0.09	<10	<10	52	<10	125
S232299		<20	0.10	<10	<10	61	<10	97
S232300		<20	<0.01	<10	<10	<1	<10	2
S232301		<20	0.09	<10	<10	58	<10	57
S232302		<20	0.09	<10	<10	87	<10	59
S232303		<20	0.11	<10	<10	88	<10	51
S232304		<20	0.14	<10	<10	89	<10	66
S232305		<20	0.13	<10	<10	91	<10	82
S232306		<20	0.12	<10	<10	73	<10	62
S232307		<20	0.11	<10	<10	78	<10	63
S232308		<20	0.08	<10	<10	73	<10	111
S232309		<20	0.13	<10	<10	75	<10	65
S232310		<20	0.11	<10	<10	86	<10	72

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S232311		0.47	0.009	0.2	2.28	8	<10	70	0.9	<2	0.14	<0.5	8	31	22	2.70
S232312		0.52	0.006	<0.2	2.74	12	<10	100	0.9	<2	0.14	<0.5	10	32	25	3.27
S232313		0.53	<0.005	<0.2	2.07	11	<10	110	0.8	<2	0.15	<0.5	9	30	29	3.40
S232314		0.61	0.008	<0.2	1.92	13	<10	90	1.0	<2	0.23	0.5	10	39	23	3.42
S232315		0.50	<0.005	0.2	1.92	9	<10	80	0.8	<2	0.20	0.8	10	33	19	3.19
S232316		0.56	<0.005	<0.2	2.30	15	<10	150	0.7	<2	0.18	<0.5	9	34	20	4.46
S232317		0.47	<0.005	<0.2	2.02	11	<10	150	0.8	3	0.19	0.7	11	30	24	3.84
S232318		0.48	<0.005	<0.2	2.43	12	<10	110	0.7	<2	0.15	0.5	10	28	32	3.61
S232319		0.49	<0.005	<0.2	2.57	12	<10	130	0.9	2	0.12	0.8	10	30	35	3.85
S232320		0.44	<0.005	<0.2	2.33	10	<10	180	0.7	<2	0.18	0.5	11	32	20	3.85
S232321		0.59	<0.005	<0.2	1.92	8	<10	80	0.7	<2	0.16	<0.5	8	30	26	2.71
S232322		0.58	0.005	<0.2	2.19	9	<10	80	1.0	2	0.16	<0.5	8	33	24	3.07
S232323		0.48	<0.005	<0.2	2.53	9	<10	130	2.1	2	0.23	<0.5	12	36	30	2.91
S232324		0.21	<0.005	<0.2	1.96	9	<10	100	1.4	<2	0.16	0.5	8	34	33	3.29
S231951		0.58	<0.005	<0.2	2.39	10	<10	130	3.6	<2	0.29	1.0	10	38	32	3.44
S231952		0.43	<0.005	<0.2	0.62	<2	<10	70	<0.5	<2	0.19	<0.5	3	7	12	1.28
S231953		0.65	<0.005	<0.2	1.38	8	<10	90	0.7	<2	0.14	<0.5	7	24	20	2.75
S231954		0.56	<0.005	0.2	2.66	13	<10	120	0.9	3	0.18	0.8	11	39	27	4.61
S231955		0.52	<0.005	0.9	2.98	12	<10	140	1.7	2	0.17	1.1	10	38	28	4.30
S231956		0.53	<0.005	<0.2	1.27	8	<10	150	0.5	<2	0.24	0.9	8	21	25	2.65
S231957		0.72	<0.005	0.2	1.59	12	<10	120	0.8	2	0.12	0.8	9	27	27	3.86
S231958		0.73	<0.005	<0.2	2.10	9	<10	80	1.6	2	0.18	<0.5	8	31	25	2.86
S231959		0.66	<0.005	0.2	1.91	9	<10	100	2.0	3	0.23	<0.5	11	34	29	3.21
S231960		0.87	<0.005	<0.2	1.90	7	<10	110	2.2	2	0.35	0.5	9	34	25	2.94
S231961		0.80	<0.005	<0.2	1.83	6	<10	100	0.9	<2	0.21	<0.5	8	29	25	3.01
S231962		0.60	<0.005	<0.2	1.94	6	<10	90	1.2	2	0.25	<0.5	8	28	20	2.76
S231963		0.74	<0.005	<0.2	1.59	6	<10	70	1.6	2	0.26	<0.5	6	28	21	2.41
S231964		0.57	<0.005	<0.2	1.10	3	<10	210	0.5	<2	0.43	<0.5	8	18	22	2.18
S231965		0.65	0.005	<0.2	1.62	7	<10	80	1.4	2	0.23	0.5	8	29	20	2.37
S231966		0.67	<0.005	<0.2	1.72	8	<10	110	0.7	<2	0.20	<0.5	9	28	23	2.94
S231967		0.61	0.006	<0.2	1.68	4	<10	70	0.6	<2	0.18	<0.5	7	26	16	2.19
S231968		0.67	<0.005	<0.2	1.34	7	<10	60	0.5	<2	0.13	<0.5	7	25	23	2.68
S231969		0.68	<0.005	<0.2	2.36	7	<10	220	1.4	<2	0.55	<0.5	10	38	39	3.03
S231970		0.54	<0.005	<0.2	1.91	6	<10	90	0.6	<2	0.30	<0.5	9	34	15	2.86
S231971		0.52	<0.005	0.2	2.89	11	<10	150	0.8	<2	0.29	<0.5	12	45	26	3.81
S231972		0.54	<0.005	<0.2	2.16	8	<10	140	0.5	2	0.27	<0.5	10	35	15	3.04
S231973		0.47	<0.005	<0.2	2.39	9	<10	130	0.6	<2	0.29	<0.5	9	40	19	3.33
S231974		0.48	<0.005	<0.2	2.08	8	<10	170	0.5	2	0.30	<0.5	9	37	19	3.04
S231975		0.52	0.005	<0.2	2.02	7	<10	170	0.5	<2	0.29	<0.5	9	36	22	2.94
S231976		0.47	<0.005	<0.2	2.20	8	<10	70	0.8	<2	0.23	<0.5	9	33	22	2.77

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VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S232311		10	<1	0.05	10	0.47	304	<1	0.01	21	440	19	0.04	3	2	14
S232312		10	1	0.06	10	0.48	329	<1	0.01	31	560	16	0.06	3	3	13
S232313		10	1	0.06	10	0.46	419	1	0.01	23	490	14	0.04	3	2	17
S232314		10	<1	0.06	40	0.52	358	1	0.01	23	440	17	0.02	5	4	18
S232315		10	<1	0.08	10	0.52	411	2	0.01	20	470	18	0.03	<2	2	22
S232316		10	1	0.07	10	0.46	346	2	0.01	22	670	18	0.02	<2	2	21
S232317		10	1	0.05	10	0.38	625	2	0.01	23	500	20	0.03	3	2	19
S232318		10	<1	0.05	10	0.42	470	2	0.01	24	480	17	0.04	3	2	20
S232319		10	<1	0.05	10	0.40	423	1	0.01	24	610	18	0.05	3	2	17
S232320		10	<1	0.07	10	0.44	380	1	0.01	22	420	14	0.04	3	3	21
S232321		10	<1	0.05	10	0.49	387	1	0.01	22	380	10	0.06	4	2	15
S232322		10	1	0.05	10	0.49	367	1	0.01	23	550	9	0.06	<2	2	16
S232323		10	1	0.06	40	0.53	793	1	0.01	26	700	16	0.06	4	3	19
S232324		10	<1	0.06	30	0.45	446	2	0.01	23	560	22	0.06	2	2	17
S231951		10	1	0.09	120	0.61	740	1	0.01	34	890	33	0.06	2	3	23
S231952		<10	<1	0.03	10	0.12	138	<1	0.02	7	490	4	0.07	<2	<1	18
S231953		10	<1	0.06	10	0.31	416	1	0.01	17	590	15	0.06	<2	2	15
S231954		10	<1	0.08	20	0.58	401	1	0.01	27	430	21	0.05	3	3	17
S231955		10	<1	0.06	70	0.52	379	1	0.01	26	540	35	0.06	<2	3	21
S231956		10	<1	0.06	10	0.25	998	1	0.01	17	780	14	0.12	4	1	22
S231957		10	<1	0.06	10	0.33	638	2	0.01	22	660	26	0.06	3	2	16
S231958		10	<1	0.05	30	0.43	293	1	0.01	25	310	19	0.02	3	3	15
S231959		10	<1	0.06	60	0.46	654	1	0.01	23	530	27	0.03	2	3	22
S231960		10	<1	0.07	80	0.49	507	1	0.01	25	720	24	0.04	2	3	29
S231961		10	<1	0.05	20	0.46	349	1	0.01	21	590	13	0.05	2	2	18
S231962		10	1	0.04	30	0.43	287	1	0.01	22	710	17	0.02	<2	2	22
S231963		10	1	0.06	60	0.41	399	1	0.01	20	630	17	0.03	<2	2	18
S231964		<10	<1	0.05	10	0.30	684	1	0.02	15	960	7	0.11	3	1	34
S231965		10	<1	0.06	30	0.43	467	1	0.01	21	580	14	0.04	<2	2	17
S231966		10	1	0.05	10	0.44	394	1	0.01	21	570	11	0.06	<2	2	18
S231967		<10	<1	0.04	10	0.42	332	<1	0.01	19	340	7	0.03	2	2	15
S231968		10	1	0.05	10	0.36	302	1	0.01	17	530	8	0.06	2	1	14
S231969		10	<1	0.10	60	0.54	510	1	0.02	26	680	13	0.04	3	5	44
S231970		10	1	0.07	10	0.63	285	1	0.01	19	300	10	0.02	3	4	25
S231971		10	1	0.07	10	0.66	373	1	0.01	31	320	13	0.02	5	4	30
S231972		10	<1	0.07	10	0.62	327	1	0.01	22	280	11	0.02	3	3	22
S231973		10	1	0.08	10	0.72	305	1	0.01	26	270	10	0.02	5	4	25
S231974		10	<1	0.08	10	0.58	269	<1	0.01	23	150	9	0.01	3	4	27
S231975		10	<1	0.08	10	0.57	262	1	0.01	24	140	13	<0.01	3	4	26
S231976		10	<1	0.08	10	0.51	263	1	0.01	25	240	12	<0.01	<2	3	15

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Finalized Date: 18-AUG-2015
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Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S232311		<20	0.08	<10	<10	58	<10	71
S232312		<20	0.12	<10	<10	67	<10	70
S232313		<20	0.09	<10	<10	72	<10	104
S232314		<20	0.14	<10	<10	86	<10	80
S232315		<20	0.10	<10	<10	75	<10	121
S232316		<20	0.10	<10	<10	87	<10	116
S232317		<20	0.09	<10	<10	86	<10	150
S232318		<20	0.08	<10	<10	73	<10	121
S232319		<20	0.08	<10	<10	77	<10	127
S232320		<20	0.11	<10	<10	84	<10	120
S232321		<20	0.11	<10	<10	64	<10	75
S232322		<20	0.09	<10	<10	67	<10	80
S232323		<20	0.09	<10	<10	65	<10	93
S232324		<20	0.10	<10	<10	83	<10	109
S231951		<20	0.11	<10	<10	82	<10	199
S231952		<20	0.05	<10	<10	37	<10	32
S231953		<20	0.09	<10	<10	69	<10	94
S231954		<20	0.15	<10	<10	101	<10	102
S231955		<20	0.09	<10	<10	102	<10	173
S231956		<20	0.07	<10	<10	72	<10	117
S231957		<20	0.10	<10	<10	114	<10	156
S231958		<20	0.11	<10	<10	68	<10	88
S231959		<20	0.13	<10	<10	89	<10	101
S231960		<20	0.11	<10	<10	69	<10	102
S231961		<20	0.11	<10	<10	72	<10	100
S231962		<20	0.12	<10	<10	69	<10	69
S231963		<20	0.09	<10	<10	55	<10	106
S231964		<20	0.06	<10	<10	54	<10	73
S231965		<20	0.09	<10	<10	56	<10	84
S231966		<20	0.09	<10	<10	71	<10	84
S231967		<20	0.09	<10	<10	52	<10	59
S231968		<20	0.08	<10	<10	68	<10	63
S231969		<20	0.09	<10	<10	70	<10	66
S231970		<20	0.11	<10	<10	70	<10	56
S231971		<20	0.12	<10	<10	87	<10	88
S231972		<20	0.09	<10	<10	72	<10	63
S231973		<20	0.11	<10	<10	79	<10	72
S231974		<20	0.10	<10	<10	75	<10	62
S231975		<20	0.10	<10	<10	73	<10	63
S231976		<20	0.11	<10	<10	64	<10	60

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Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S231977		0.54	<0.005	<0.2	2.15	10	<10	150	0.8	<2	0.31	<0.5	9	35	22	3.12
S231978		0.49	<0.005	<0.2	2.01	7	<10	90	0.9	2	0.27	<0.5	9	34	19	2.89
S231979		0.43	<0.005	0.2	3.11	11	<10	170	1.2	2	0.25	<0.5	14	43	22	4.05
S231980		0.36	<0.005	<0.2	1.76	10	<10	240	2.3	<2	0.32	1.2	14	27	127	2.96
S231981		0.43	<0.005	<0.2	2.27	10	<10	160	0.6	<2	0.23	<0.5	12	35	17	3.48
S231982		0.48	<0.005	<0.2	1.77	8	<10	100	0.8	<2	0.37	<0.5	7	30	16	2.80
S231983		0.51	<0.005	0.2	2.59	9	<10	90	0.8	<2	0.18	<0.5	10	37	22	3.67
S231984		0.40	<0.005	<0.2	2.36	8	<10	130	0.9	<2	0.24	<0.5	9	34	22	3.16
S231985		0.49	0.011	<0.2	2.59	12	<10	170	0.8	<2	0.22	<0.5	9	36	26	3.86
S231986		0.44	<0.005	<0.2	2.02	9	<10	210	0.8	2	0.28	<0.5	10	34	22	3.10
S231987		0.45	<0.005	<0.2	1.98	8	<10	90	0.5	2	0.16	<0.5	7	29	14	3.38
S231988		0.52	<0.005	<0.2	2.20	8	<10	170	0.8	<2	0.25	<0.5	10	34	22	2.96
S231989		0.50	<0.005	<0.2	2.27	10	<10	140	0.6	<2	0.18	<0.5	9	32	19	3.23
S231990		0.49	<0.005	0.2	1.97	11	<10	130	0.9	<2	0.18	<0.5	9	31	22	3.26
S231991		0.42	<0.005	<0.2	1.97	8	<10	110	0.5	2	0.17	<0.5	8	27	20	3.27
S231992		0.34	<0.005	0.2	1.84	5	<10	110	1.2	<2	0.29	<0.5	6	28	15	2.58
S231993		0.37	<0.005	<0.2	0.99	3	<10	70	1.3	<2	0.20	<0.5	4	14	17	1.79
S231994		0.55	<0.005	<0.2	2.68	11	<10	170	1.0	3	0.26	<0.5	13	48	27	4.22
S231995		0.43	0.013	<0.2	1.74	7	<10	120	0.7	<2	0.32	<0.5	7	28	20	2.72
S231996		0.59	<0.005	<0.2	2.57	12	<10	140	0.9	<2	0.16	<0.5	9	35	26	3.28
S231997		0.55	<0.005	<0.2	2.83	11	<10	120	0.8	2	0.22	<0.5	10	39	23	3.87
S231998		0.39	0.008	<0.2	1.48	7	<10	160	0.9	2	0.27	<0.5	13	110	39	2.07
S231999		0.43	<0.005	0.3	2.84	14	<10	110	0.9	<2	0.25	<0.5	10	38	25	3.71
S232000		0.05	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	1	<1	0.03
S232001		0.50	<0.005	<0.2	1.93	8	<10	150	0.7	2	0.22	<0.5	10	32	22	3.38
S232002		0.36	<0.005	<0.2	2.23	9	<10	120	0.6	3	0.16	<0.5	8	32	23	2.86
S232003		0.48	<0.005	<0.2	1.84	8	<10	110	0.5	2	0.17	<0.5	8	29	19	2.92
S232004		0.35	<0.005	<0.2	1.92	9	<10	110	0.6	<2	0.21	<0.5	7	30	16	2.69
S232005		0.54	<0.005	<0.2	1.54	7	<10	150	0.5	<2	0.26	<0.5	8	39	19	2.74
S232006		0.32	<0.005	0.4	1.93	4	<10	130	1.0	2	0.33	0.5	7	23	23	2.02
S232007		0.39	<0.005	0.3	2.98	5	<10	210	1.3	<2	0.52	<0.5	8	36	33	2.83
S232008		0.33	<0.005	<0.2	0.96	3	<10	100	<0.5	<2	0.22	<0.5	5	15	9	1.60
S231763		0.51	<0.005	<0.2	1.26	3	<10	110	<0.5	<2	0.26	<0.5	4	22	14	1.50
S231764		0.46	<0.005	<0.2	1.85	8	<10	100	0.8	<2	0.19	<0.5	8	24	20	2.38
S231765		0.34	0.012	0.4	2.80	11	<10	90	1.0	<2	0.18	<0.5	11	36	22	3.04
S231766		0.58	<0.005	<0.2	1.87	8	<10	90	1.1	<2	0.26	<0.5	7	27	18	2.65
S231767		0.34	<0.005	<0.2	1.21	7	<10	50	0.7	<2	0.10	<0.5	6	18	24	2.49
S231768		0.34	<0.005	<0.2	2.29	13	<10	110	1.0	<2	0.16	<0.5	12	33	28	3.63
S231769		0.45	<0.005	<0.2	0.98	5	<10	50	<0.5	<2	0.12	<0.5	4	15	15	1.63
S231770		0.42	<0.005	<0.2	1.28	6	<10	80	0.5	<2	0.17	<0.5	6	21	14	2.10

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S231977		10	<1	0.08	10	0.53	458	1	0.01	22	310	15	<0.01	<2	3	24
S231978		10	<1	0.07	30	0.59	305	1	0.01	21	300	15	<0.01	<2	3	24
S231979		10	1	0.07	20	0.64	393	1	0.01	31	370	17	<0.01	3	4	24
S231980		10	1	0.06	100	0.39	1625	2	0.02	26	1380	20	0.06	2	1	42
S231981		10	<1	0.07	10	0.56	916	1	0.01	21	450	19	0.01	3	3	23
S231982		10	<1	0.06	40	0.52	298	1	0.01	18	560	15	<0.01	3	3	26
S231983		10	<1	0.09	10	0.59	284	1	0.01	26	420	15	0.01	5	3	20
S231984		10	<1	0.07	20	0.50	339	1	0.01	21	350	16	<0.01	3	3	26
S231985		10	<1	0.09	10	0.57	305	1	0.01	23	310	19	<0.01	4	3	23
S231986		10	<1	0.15	20	0.60	327	1	0.02	26	750	15	<0.01	3	3	31
S231987		10	<1	0.08	10	0.39	232	1	0.01	16	430	12	0.01	3	2	15
S231988		10	<1	0.07	20	0.51	446	1	0.02	22	380	13	<0.01	2	3	25
S231989		10	<1	0.07	10	0.49	296	1	0.02	20	250	11	<0.01	3	3	20
S231990		10	<1	0.08	30	0.41	411	1	0.01	21	440	17	0.01	2	3	22
S231991		10	<1	0.06	10	0.36	314	1	0.01	17	510	13	<0.01	4	2	20
S231992		10	<1	0.10	70	0.46	352	1	0.01	18	510	21	<0.01	3	3	27
S231993		10	<1	0.06	80	0.19	268	1	0.02	10	430	12	<0.01	<2	2	20
S231994		10	<1	0.09	10	0.64	475	2	0.02	30	820	20	0.02	3	3	29
S231995		10	<1	0.09	30	0.43	271	1	0.01	18	350	15	0.01	3	2	30
S231996		10	<1	0.10	10	0.50	286	1	0.01	28	370	19	0.01	3	3	17
S231997		10	<1	0.06	10	0.56	338	1	0.01	29	380	12	0.01	2	3	23
S231998		10	1	0.05	30	0.28	925	11	0.03	74	590	17	0.02	4	1	30
S231999		10	<1	0.07	10	0.55	383	1	0.01	28	510	16	0.03	3	3	22
S232000		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	1	10	<2	0.02	<2	<1	<1
S232001		10	<1	0.06	10	0.45	418	1	0.01	19	460	14	0.01	5	3	23
S232002		10	<1	0.06	10	0.49	244	1	0.02	22	280	11	<0.01	3	3	15
S232003		10	<1	0.09	10	0.46	240	1	0.01	21	310	9	<0.01	4	3	16
S232004		10	<1	0.06	20	0.47	228	1	0.02	17	360	9	<0.01	2	3	21
S232005		10	<1	0.07	20	0.39	410	2	0.03	24	410	13	0.01	2	2	25
S232006		10	<1	0.07	40	0.24	213	1	0.03	14	730	11	0.03	2	3	32
S232007		10	1	0.10	50	0.48	379	1	0.02	23	850	11	0.04	3	6	48
S232008		<10	<1	0.05	<10	0.28	182	1	0.02	8	210	5	<0.01	3	2	19
S231763		<10	<1	0.05	20	0.34	105	<1	0.02	13	460	7	0.01	<2	3	18
S231764		10	<1	0.05	10	0.32	329	1	0.01	15	500	13	0.01	3	2	18
S231765		10	1	0.05	10	0.45	245	1	0.01	24	340	11	0.01	3	4	16
S231766		10	1	0.05	10	0.38	260	1	0.01	20	560	14	0.02	2	2	19
S231767		10	<1	0.03	10	0.21	177	1	0.01	13	400	11	0.03	3	1	11
S231768		10	<1	0.04	10	0.42	389	2	0.01	28	440	18	0.02	5	3	17
S231769		10	<1	0.03	10	0.21	105	1	0.02	9	480	8	0.03	2	1	13
S231770		10	<1	0.04	10	0.31	210	1	0.01	14	420	7	0.02	3	2	16

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VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S231977		<20	0.10	<10	<10	75	<10	71
S231978		<20	0.11	<10	<10	69	<10	66
S231979		<20	0.12	<10	<10	92	<10	132
S231980		<20	0.05	<10	<10	61	<10	160
S231981		<20	0.09	<10	<10	80	<10	108
S231982		<20	0.10	<10	<10	69	<10	74
S231983		<20	0.12	<10	<10	79	<10	77
S231984		<20	0.10	<10	<10	75	<10	67
S231985		<20	0.11	<10	<10	88	<10	76
S231986		<20	0.13	<10	<10	70	<10	62
S231987		<20	0.11	<10	<10	77	<10	55
S231988		<20	0.12	<10	<10	72	<10	64
S231989		<20	0.12	<10	<10	78	<10	59
S231990		<20	0.10	<10	<10	82	<10	75
S231991		<20	0.11	<10	<10	79	<10	70
S231992		<20	0.08	<10	<10	60	<10	79
S231993		<20	0.08	<10	<10	48	<10	58
S231994		<20	0.11	<10	<10	82	<10	119
S231995		<20	0.09	<10	<10	69	<10	66
S231996		<20	0.08	<10	<10	66	<10	85
S231997		<20	0.13	<10	<10	89	<10	81
S231998		<20	0.06	<10	<10	46	<10	67
S231999		<20	0.10	<10	<10	75	<10	85
S232000		<20	<0.01	<10	<10	<1	<10	<2
S232001		<20	0.10	<10	<10	81	<10	91
S232002		<20	0.11	<10	<10	65	<10	58
S232003		<20	0.10	<10	<10	68	<10	56
S232004		<20	0.10	<10	<10	67	<10	52
S232005		<20	0.09	<10	<10	72	<10	54
S232006		<20	0.07	<10	<10	51	<10	40
S232007		<20	0.09	<10	<10	59	<10	68
S232008		<20	0.07	<10	<10	45	<10	43
S231763		<20	0.10	<10	<10	40	<10	41
S231764		<20	0.10	<10	<10	62	<10	54
S231765		<20	0.13	<10	<10	73	<10	57
S231766		<20	0.11	<10	<10	62	<10	75
S231767		<20	0.09	<10	<10	70	<10	53
S231768		<20	0.10	<10	<10	77	<10	86
S231769		<20	0.06	<10	<10	46	<10	35
S231770		<20	0.09	<10	<10	59	<10	48

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S231771		0.31	<0.005	<0.2	1.91	10	<10	70	0.9	<2	0.15	<0.5	7	25	20	3.40
S231772		0.39	0.014	<0.2	1.82	4	<10	60	1.0	<2	0.47	<0.5	6	24	26	2.22
S231773		0.32	<0.005	<0.2	1.21	7	<10	60	0.5	<2	0.10	<0.5	4	17	15	2.28
S231774		0.46	<0.005	<0.2	1.93	10	<10	70	0.6	2	0.14	<0.5	7	26	19	2.63
S231775		0.48	<0.005	0.2	2.28	10	<10	80	0.7	3	0.18	<0.5	9	31	22	3.12
S231776		0.42	<0.005	<0.2	2.77	11	<10	110	1.3	2	0.21	<0.5	12	36	30	3.68
S231777		0.32	<0.005	0.2	1.51	9	<10	60	0.5	2	0.11	<0.5	5	22	16	2.65
S231778		0.41	<0.005	<0.2	1.71	10	<10	90	0.6	<2	0.15	<0.5	9	25	21	3.06
S231779		0.39	<0.005	<0.2	3.47	17	<10	120	1.1	2	0.19	<0.5	11	37	23	4.55
S231780		0.49	0.005	<0.2	2.22	4	<10	90	1.6	<2	0.83	<0.5	7	27	26	2.09
S231781		0.45	<0.005	<0.2	2.22	8	<10	100	1.1	<2	0.23	<0.5	9	27	20	3.40
S231782		0.32	<0.005	0.2	1.99	6	<10	100	0.8	<2	0.22	<0.5	8	27	26	2.64
S231783		0.30	<0.005	<0.2	1.70	10	<10	120	0.8	<2	0.16	<0.5	9	26	21	3.15
S231784		0.28	<0.005	<0.2	1.53	10	<10	60	0.6	<2	0.15	<0.5	6	27	18	3.54
S231785		0.38	<0.005	<0.2	1.26	4	<10	80	0.9	<2	0.31	<0.5	6	20	15	1.76
S231786		0.35	0.007	0.2	1.44	3	<10	100	0.8	2	0.27	<0.5	6	21	18	1.73
S231787		0.38	<0.005	<0.2	1.04	3	<10	70	<0.5	<2	0.19	<0.5	5	15	16	1.70
S231788		0.34	<0.005	0.2	1.43	6	<10	50	0.5	<2	0.19	<0.5	5	18	18	2.43
S231789		0.43	<0.005	<0.2	2.35	23	<10	100	1.1	2	0.23	<0.5	9	34	32	4.52
S231790		0.43	<0.005	<0.2	2.33	12	<10	130	1.6	<2	0.25	<0.5	11	34	30	3.73
S231791		0.41	<0.005	<0.2	1.79	12	<10	60	0.7	<2	0.15	<0.5	8	26	29	3.53
S231792		0.31	<0.005	<0.2	1.06	7	<10	50	0.6	2	0.11	<0.5	6	17	17	2.37
S231793		0.36	<0.005	<0.2	1.40	7	<10	50	0.6	<2	0.13	<0.5	6	22	24	2.25
S231794		0.32	<0.005	<0.2	1.67	11	<10	70	0.6	<2	0.15	<0.5	7	27	31	3.28
S231795		0.44	<0.005	<0.2	2.23	10	<10	100	2.0	<2	0.30	<0.5	12	29	42	3.32
S231796		0.43	<0.005	0.2	1.29	5	<10	70	0.6	<2	0.18	<0.5	6	20	21	2.38
S231797		0.36	<0.005	<0.2	2.11	11	<10	110	0.8	2	0.21	<0.5	8	34	24	3.65
S231798		0.41	<0.005	<0.2	2.45	13	<10	100	1.0	2	0.17	<0.5	12	38	28	3.85
S231799		0.46	<0.005	<0.2	2.46	10	<10	130	0.9	2	0.23	<0.5	11	37	25	3.68
S231800		0.04	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.03
S231801		0.38	0.007	0.2	1.74	6	<10	70	1.2	3	0.36	<0.5	7	29	21	2.61
S231802		0.43	<0.005	<0.2	1.42	4	<10	80	0.9	<2	0.39	<0.5	7	25	15	2.30
S231803		0.30	<0.005	0.6	3.02	12	<10	150	1.2	<2	0.20	<0.5	11	39	30	3.68
S231804		0.43	<0.005	0.2	1.86	10	<10	80	0.6	<2	0.14	<0.5	7	23	20	3.04
S231805		0.40	0.007	<0.2	2.01	16	<10	80	<0.5	<2	0.16	<0.5	8	35	17	4.98
S231806		0.46	0.008	<0.2	2.59	15	<10	90	1.0	<2	0.19	<0.5	9	37	24	3.75
S231807		0.36	0.010	<0.2	1.98	12	<10	90	1.5	<2	0.23	<0.5	9	33	26	3.59
S231808		0.31	<0.005	<0.2	0.94	8	<10	40	<0.5	<2	0.08	<0.5	5	18	25	2.69
S231809		0.44	<0.005	<0.2	2.32	12	<10	110	1.0	<2	0.21	<0.5	9	35	27	3.67
S231810		0.46	<0.005	<0.2	2.32	10	<10	80	1.0	<2	0.17	<0.5	10	33	26	3.26

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S231771		10	<1	0.04	10	0.27	207	2	0.01	16	550	12	0.03	4	2	16
S231772		10	<1	0.05	20	0.48	242	1	0.01	17	440	19	<0.01	3	2	24
S231773		10	<1	0.03	10	0.19	132	1	0.01	12	240	12	0.01	2	1	11
S231774		10	<1	0.05	10	0.32	219	1	<0.01	17	310	14	0.02	3	2	13
S231775		10	<1	0.06	10	0.42	270	1	0.01	21	380	14	0.02	<2	3	15
S231776		10	<1	0.06	20	0.57	398	1	0.02	26	490	12	0.02	2	3	22
S231777		10	<1	0.04	10	0.22	140	1	0.01	11	470	9	0.02	3	1	13
S231778		10	1	0.04	10	0.30	306	1	0.01	18	420	13	0.02	3	2	16
S231779		10	1	0.05	10	0.41	340	2	0.01	23	580	22	0.02	<2	3	19
S231780		10	<1	0.07	40	0.59	347	1	0.02	20	810	25	0.02	3	3	37
S231781		10	<1	0.05	20	0.43	230	1	0.02	24	380	15	0.01	5	3	24
S231782		10	1	0.04	10	0.35	201	1	0.01	20	570	11	0.04	4	2	20
S231783		10	<1	0.05	10	0.31	497	2	0.01	20	430	14	0.03	3	2	18
S231784		10	1	0.04	10	0.28	209	2	0.01	16	460	13	0.03	3	2	15
S231785		<10	<1	0.05	20	0.29	300	1	0.02	12	550	12	0.03	2	2	21
S231786		10	<1	0.05	20	0.32	255	1	0.02	14	590	13	0.03	2	2	22
S231787		10	1	0.04	10	0.20	163	1	0.02	9	480	7	0.01	2	1	17
S231788		10	<1	0.04	20	0.30	236	1	0.01	12	330	13	0.01	3	2	14
S231789		10	<1	0.06	20	0.49	371	3	0.01	22	600	24	0.02	4	3	22
S231790		10	<1	0.06	10	0.53	420	2	0.01	28	480	15	0.03	3	3	25
S231791		10	<1	0.03	10	0.28	204	2	0.01	18	440	13	0.02	<2	2	14
S231792		10	<1	0.04	10	0.19	204	1	0.01	12	460	14	0.03	<2	1	11
S231793		<10	<1	0.03	10	0.32	192	1	0.01	16	520	7	0.06	<2	1	14
S231794		10	<1	0.03	10	0.32	291	2	0.01	17	420	15	0.02	2	2	17
S231795		10	1	0.05	30	0.60	588	1	0.02	27	780	15	0.04	3	2	25
S231796		10	<1	0.04	10	0.34	243	1	0.02	15	560	9	0.05	2	1	18
S231797		10	1	0.05	10	0.45	258	2	0.01	23	420	14	0.03	4	3	20
S231798		10	1	0.06	10	0.58	621	2	0.01	27	760	14	0.07	4	2	19
S231799		10	<1	0.06	10	0.57	452	2	0.01	26	420	12	0.02	3	3	22
S231800		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	1	10	<2	0.02	<2	<1	<1
S231801		10	<1	0.06	40	0.46	263	1	0.01	21	620	12	0.02	<2	3	28
S231802		10	<1	0.06	30	0.45	297	1	0.02	18	740	11	0.02	2	3	28
S231803		10	<1	0.07	20	0.50	312	2	0.01	25	380	14	0.03	<2	4	22
S231804		10	<1	0.05	10	0.24	377	2	0.01	16	390	12	0.04	<2	2	17
S231805		10	<1	0.06	10	0.42	292	3	0.01	17	340	12	0.02	<2	3	19
S231806		10	<1	0.06	10	0.53	307	1	0.01	27	300	25	0.03	2	4	17
S231807		10	<1	0.07	30	0.52	490	2	0.01	25	550	27	0.05	<2	2	24
S231808		10	<1	0.03	10	0.20	243	1	0.01	14	410	11	0.04	<2	1	11
S231809		10	<1	0.05	10	0.55	311	1	0.01	26	450	11	0.05	<2	3	21
S231810		10	<1	0.07	10	0.59	475	1	0.01	27	450	15	0.05	<2	3	16

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S231771		<20	0.10	<10	<10	79	<10	55
S231772		<20	0.06	<10	<10	46	<10	100
S231773		<20	0.08	<10	<10	66	<10	46
S231774		<20	0.09	<10	<10	74	<10	57
S231775		<20	0.10	<10	<10	77	<10	66
S231776		<20	0.13	<10	<10	78	<10	74
S231777		<20	0.09	<10	<10	68	<10	47
S231778		<20	0.10	<10	<10	73	<10	72
S231779		<20	0.13	<10	<10	85	<10	68
S231780		<20	0.06	<10	<10	40	<10	116
S231781		<20	0.12	<10	<10	68	<10	85
S231782		<20	0.09	<10	<10	65	<10	61
S231783		<20	0.09	<10	<10	76	<10	91
S231784		<20	0.12	<10	<10	89	<10	67
S231785		<20	0.08	<10	<10	47	<10	63
S231786		<20	0.08	<10	<10	44	<10	58
S231787		<20	0.08	<10	<10	53	<10	37
S231788		<20	0.11	<10	<10	61	<10	73
S231789		<20	0.13	<10	<10	88	<10	104
S231790		<20	0.14	<10	<10	82	<10	97
S231791		<20	0.12	<10	<10	89	<10	74
S231792		<20	0.08	<10	<10	62	<10	53
S231793		<20	0.07	<10	<10	55	<10	57
S231794		<20	0.10	<10	<10	82	<10	63
S231795		<20	0.11	<10	<10	69	<10	104
S231796		<20	0.08	<10	<10	58	<10	66
S231797		<20	0.11	<10	<10	86	<10	73
S231798		<20	0.10	<10	<10	84	<10	103
S231799		<20	0.13	<10	<10	81	<10	86
S231800		<20	<0.01	<10	<10	<1	<10	<2
S231801		<20	0.11	<10	<10	61	<10	73
S231802		<20	0.11	<10	<10	55	<10	88
S231803		<20	0.12	<10	<10	85	<10	77
S231804		<20	0.09	<10	<10	76	<10	66
S231805		<20	0.16	<10	<10	104	<10	63
S231806		<20	0.13	<10	<10	82	<10	91
S231807		<20	0.09	<10	<10	74	<10	111
S231808		<20	0.10	<10	<10	78	<10	60
S231809		<20	0.11	<10	<10	80	<10	79
S231810		<20	0.10	<10	<10	66	<10	113

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1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
S231811		0.42	<0.005	<0.2	2.41	9	<10	130	1.0	<2	0.31	<0.5	10	32	22	2.97
S231812		0.32	<0.005	0.2	1.73	10	<10	130	0.7	<2	0.28	<0.5	7	26	21	3.25
S231813		0.37	<0.005	<0.2	1.28	6	<10	70	0.6	<2	0.22	<0.5	7	18	22	2.32
S231814		0.39	<0.005	0.3	2.13	11	<10	70	0.8	<2	0.16	<0.5	6	28	17	3.83
S231815		0.64	<0.005	0.2	1.97	4	<10	170	1.2	<2	0.50	<0.5	7	35	32	2.06
S231816		0.56	<0.005	0.2	2.46	9	<10	140	1.1	<2	0.29	<0.5	9	32	20	2.88
S231817		0.42	<0.005	<0.2	2.42	14	<10	160	2.2	<2	0.30	0.6	16	38	42	3.94
S231818		0.42	<0.005	0.2	2.54	11	<10	130	0.8	<2	0.23	<0.5	10	36	23	3.20
S231819		0.32	<0.005	0.2	2.03	10	<10	90	0.9	<2	0.33	<0.5	9	31	26	3.50
S231820		0.31	<0.005	0.4	1.79	12	<10	90	1.0	<2	0.18	<0.5	9	24	30	2.64
S231821		0.26	<0.005	<0.2	2.01	10	<10	100	1.0	2	0.20	0.5	11	28	52	3.48
S231822		0.30	<0.005	0.3	2.01	11	<10	60	0.7	<2	0.15	<0.5	7	25	16	2.98
S231823		0.49	<0.005	<0.2	2.93	12	<10	150	1.3	<2	0.28	<0.5	11	40	21	3.89
S231824		0.40	<0.005	0.2	2.25	12	<10	100	0.6	<2	0.16	<0.5	7	34	17	4.21
S231825		0.37	<0.005	<0.2	1.92	12	<10	90	0.5	<2	0.14	<0.5	6	30	15	3.75
S231826		0.49	<0.005	0.2	2.85	9	<10	130	0.9	3	0.20	<0.5	11	36	20	3.76
S231827		0.33	<0.005	0.2	1.13	8	<10	50	<0.5	2	0.12	<0.5	5	20	17	3.03
S231828		0.41	<0.005	0.3	1.69	9	<10	120	0.6	<2	0.26	<0.5	9	27	19	3.37
S231829		0.49	<0.005	0.2	2.32	9	<10	110	1.0	<2	0.22	<0.5	10	33	21	3.19
S231830		0.40	<0.005	0.2	2.53	8	<10	90	0.7	<2	0.22	<0.5	10	35	19	2.90
S231831		0.35	<0.005	<0.2	1.65	9	<10	110	0.6	<2	0.23	<0.5	8	29	25	3.18
S231832		0.50	<0.005	<0.2	1.71	7	<10	110	0.5	<2	0.26	<0.5	6	29	20	2.69
S231833		0.50	<0.005	<0.2	2.33	9	<10	130	0.8	<2	0.31	<0.5	11	35	20	3.47
S231834		0.44	<0.005	0.2	2.05	11	<10	70	0.7	<2	0.16	<0.5	7	29	20	3.19
S231835		0.47	0.005	0.2	2.15	12	<10	110	0.7	<2	0.27	<0.5	8	32	19	4.07
S231836		0.48	<0.005	<0.2	2.32	12	<10	90	0.7	<2	0.20	<0.5	8	34	20	3.36
S231837		0.47	<0.005	0.2	1.99	10	<10	80	0.6	<2	0.17	<0.5	8	33	24	3.20
S231838		0.47	0.005	<0.2	2.12	14	<10	110	0.9	<2	0.20	<0.5	11	36	31	3.64
S231839		0.25	0.005	0.2	1.64	21	<10	80	0.5	<2	0.14	<0.5	7	29	27	3.58
S231840		0.31	0.007	0.2	2.08	14	<10	100	0.8	<2	0.19	<0.5	9	30	26	3.73
S231841		0.48	<0.005	0.2	1.14	6	<10	70	0.7	<2	0.19	<0.5	5	17	16	2.07
S231842		0.39	<0.005	<0.2	2.48	11	<10	110	1.0	3	0.37	<0.5	12	35	23	3.28
S231843		0.46	<0.005	<0.2	2.18	9	<10	130	1.5	<2	0.37	<0.5	12	33	20	3.51
S231844		0.39	<0.005	<0.2	1.84	8	<10	100	0.8	<2	0.19	<0.5	7	23	20	2.87
S231845		0.31	<0.005	<0.2	1.63	9	<10	60	0.5	<2	0.10	<0.5	4	22	16	2.64
S231846		0.41	<0.005	0.2	2.81	14	<10	120	2.1	<2	0.27	<0.5	14	36	26	3.92
S231847		0.34	<0.005	<0.2	1.45	7	<10	90	1.2	<2	0.36	<0.5	8	22	24	2.26
S231848		0.48	0.005	0.2	2.69	13	<10	130	1.8	<2	0.38	<0.5	13	37	31	3.37
S231849		0.48	<0.005	0.2	1.93	12	<10	100	1.0	2	0.29	<0.5	9	31	25	2.98
S231850		0.06	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	<1	1	0.03

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S231811		10	<1	0.05	10	0.51	323	<1	0.01	27	370	13	0.04	<2	3	24
S231812		10	<1	0.08	10	0.38	394	1	0.01	20	600	13	0.06	<2	2	24
S231813		10	<1	0.06	10	0.29	605	1	0.02	14	660	9	0.07	<2	1	20
S231814		10	<1	0.05	20	0.30	293	2	0.01	14	530	19	0.03	<2	2	17
S231815		10	<1	0.08	50	0.58	182	<1	0.02	24	910	15	0.02	<2	6	32
S231816		10	<1	0.06	20	0.46	368	1	0.02	22	570	13	0.03	<2	3	25
S231817		10	<1	0.07	60	0.56	1160	2	0.01	35	760	24	0.08	<2	3	27
S231818		10	<1	0.05	10	0.51	295	1	0.01	28	360	11	0.04	<2	3	18
S231819		10	<1	0.07	10	0.45	408	2	0.01	23	500	22	0.05	<2	3	27
S231820		10	<1	0.06	10	0.33	722	1	0.01	19	740	21	0.07	<2	1	17
S231821		10	<1	0.06	10	0.37	751	2	0.01	22	640	21	0.06	2	2	22
S231822		10	<1	0.05	10	0.30	249	2	0.01	16	650	13	0.05	<2	2	14
S231823		10	<1	0.09	20	0.70	491	1	0.01	27	600	16	0.03	<2	4	23
S231824		10	<1	0.07	10	0.45	266	2	0.01	18	340	12	0.03	<2	3	18
S231825		10	<1	0.07	10	0.38	231	2	0.01	16	320	10	0.02	<2	3	15
S231826		10	<1	0.06	10	0.56	266	<1	0.01	26	360	14	0.02	<2	4	21
S231827		10	<1	0.05	10	0.25	230	2	0.01	11	410	7	0.03	<2	2	14
S231828		10	<1	0.06	10	0.42	422	1	0.01	19	600	11	0.05	<2	2	24
S231829		10	<1	0.07	20	0.58	526	2	0.01	25	590	21	0.06	2	3	21
S231830		10	<1	0.05	10	0.58	267	1	0.01	32	320	11	0.03	<2	3	17
S231831		10	<1	0.06	10	0.43	343	1	0.01	20	430	13	0.05	<2	2	21
S231832		10	<1	0.06	20	0.50	259	1	0.01	17	740	12	0.03	<2	2	26
S231833		10	<1	0.07	10	0.65	434	1	0.01	24	620	12	0.03	<2	4	29
S231834		10	<1	0.05	10	0.41	257	2	0.01	18	320	14	0.03	<2	3	19
S231835		10	<1	0.06	10	0.49	293	1	0.01	25	420	14	0.04	<2	3	22
S231836		10	<1	0.05	10	0.48	261	1	0.01	22	470	13	0.04	<2	3	17
S231837		10	<1	0.05	10	0.48	269	2	0.01	21	380	11	0.03	<2	3	14
S231838		10	<1	0.06	10	0.57	610	2	0.01	27	740	18	0.07	<2	2	20
S231839		10	<1	0.04	10	0.32	234	2	0.01	19	430	14	0.04	<2	2	16
S231840		10	<1	0.04	10	0.51	320	2	0.01	21	500	19	0.03	<2	3	16
S231841		10	<1	0.04	20	0.28	304	1	0.02	10	650	12	0.03	<2	2	16
S231842		10	<1	0.06	10	0.64	358	1	0.02	29	810	17	0.01	<2	4	21
S231843		10	<1	0.09	30	0.78	545	1	0.02	26	870	25	0.02	<2	4	27
S231844		10	<1	0.05	20	0.36	361	1	0.02	16	630	16	0.02	<2	2	20
S231845		10	<1	0.03	10	0.23	176	2	0.01	11	320	14	0.02	<2	2	12
S231846		10	<1	0.07	30	0.60	639	1	0.01	27	800	24	0.02	<2	4	23
S231847		10	<1	0.05	30	0.48	453	<1	0.02	17	780	12	0.03	<2	3	26
S231848		10	<1	0.05	20	0.65	564	1	0.02	33	900	19	0.02	<2	4	25
S231849		10	<1	0.05	20	0.43	390	1	0.01	23	650	16	0.02	<2	3	20
S231850		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.02	<2	<1	<1

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S231811		<20	0.12	<10	<10	69	<10	73
S231812		<20	0.10	<10	<10	71	<10	78
S231813		<20	0.08	<10	<10	61	<10	64
S231814		<20	0.13	<10	<10	93	<10	56
S231815		<20	0.15	<10	<10	59	<10	90
S231816		<20	0.13	<10	<10	67	<10	69
S231817		<20	0.09	<10	<10	80	<10	152
S231818		<20	0.11	<10	<10	77	<10	91
S231819		<20	0.11	<10	<10	83	<10	94
S231820		<20	0.06	<10	<10	56	<10	83
S231821		<20	0.10	<10	<10	78	<10	116
S231822		<20	0.11	<10	<10	72	<10	63
S231823		<20	0.14	<10	<10	86	<10	97
S231824		<20	0.14	<10	<10	97	<10	64
S231825		<20	0.14	<10	<10	93	<10	59
S231826		<20	0.13	<10	<10	76	<10	67
S231827		<20	0.12	<10	<10	95	<10	50
S231828		<20	0.09	<10	<10	77	<10	86
S231829		<20	0.11	<10	<10	71	<10	83
S231830		<20	0.12	<10	<10	63	<10	75
S231831		<20	0.10	<10	<10	76	<10	72
S231832		<20	0.13	<10	<10	74	<10	59
S231833		<20	0.15	<10	<10	82	<10	64
S231834		<20	0.11	<10	<10	85	<10	70
S231835		<20	0.14	<10	<10	84	<10	69
S231836		<20	0.13	<10	<10	84	<10	57
S231837		<20	0.12	<10	<10	83	<10	62
S231838		<20	0.09	<10	<10	81	<10	101
S231839		<20	0.13	<10	<10	99	<10	74
S231840		<20	0.13	<10	<10	88	<10	89
S231841		<20	0.08	<10	<10	59	<10	48
S231842		<20	0.14	<10	<10	74	<10	74
S231843		<20	0.13	<10	<10	69	<10	102
S231844		<20	0.11	<10	<10	65	<10	58
S231845		<20	0.10	<10	<10	77	<10	48
S231846		<20	0.14	<10	<10	85	<10	114
S231847		<20	0.08	<10	<10	52	<10	58
S231848		<20	0.13	<10	<10	72	<10	90
S231849		<20	0.11	<10	<10	72	<10	83
S231850		<20	<0.01	<10	<10	<1	<10	<2

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
S231851		0.35	<0.005	0.2	2.27	9	<10	100	0.9	<2	0.19	<0.5	8	31	23	2.49
S231852		0.29	<0.005	<0.2	2.28	9	<10	80	1.0	<2	0.13	<0.5	8	38	28	4.21
S231853		0.51	<0.005	<0.2	2.46	9	<10	140	1.3	<2	0.29	<0.5	12	38	23	3.36
S231854		0.42	<0.005	0.2	2.02	8	<10	130	1.1	<2	0.26	<0.5	11	30	23	3.22
S231855		0.28	<0.005	0.4	2.39	9	<10	110	0.8	<2	0.21	<0.5	8	27	22	2.79
S231856		0.44	<0.005	0.4	2.69	12	<10	160	0.8	<2	0.24	<0.5	11	39	26	4.32
S231857		0.24	<0.005	0.2	1.53	7	<10	60	<0.5	<2	0.08	<0.5	4	22	17	2.80
S231858		0.43	<0.005	0.2	2.36	3	<10	150	0.5	<2	0.34	<0.5	11	37	26	2.64
S231859		0.37	<0.005	<0.2	1.71	7	<10	90	<0.5	<2	0.24	<0.5	7	32	17	2.87
S231860		0.37	<0.005	0.2	2.51	15	<10	100	0.6	<2	0.19	<0.5	9	33	24	4.52
S231861		0.43	<0.005	<0.2	2.26	9	<10	110	0.8	<2	0.29	<0.5	9	33	21	3.45
S231862		0.32	<0.005	<0.2	1.21	8	<10	80	0.7	<2	0.18	<0.5	6	18	19	2.00
S231863		0.36	<0.005	0.2	2.10	14	<10	90	0.6	<2	0.14	<0.5	7	32	14	4.27
S231864		0.29	<0.005	<0.2	1.87	14	<10	70	0.8	<2	0.15	<0.5	8	28	21	3.35
S231865		0.27	<0.005	<0.2	0.93	6	<10	50	<0.5	<2	0.12	<0.5	5	15	26	2.30
S231866		0.37	0.005	0.2	2.28	14	<10	110	2.3	<2	0.28	<0.5	13	34	35	3.42
S231867		0.40	<0.005	<0.2	2.54	11	<10	100	1.1	<2	0.15	<0.5	11	35	24	3.29
S231868		0.46	<0.005	<0.2	2.64	10	<10	120	0.7	<2	0.25	<0.5	11	37	32	3.06
S231869		0.43	<0.005	0.2	2.26	10	<10	80	0.6	2	0.25	<0.5	11	39	20	3.18
S231870		0.36	<0.005	0.2	2.57	7	<10	80	0.8	<2	0.22	<0.5	12	37	28	3.47
S231871		0.50	<0.005	0.3	2.08	14	<10	110	0.5	<2	0.21	<0.5	14	41	20	4.19
S231872		0.43	<0.005	0.2	1.78	5	<10	100	0.5	<2	0.20	<0.5	8	26	25	2.94
S231873		0.28	<0.005	0.3	1.27	13	<10	70	<0.5	<2	0.11	<0.5	5	21	16	2.84
S231874		0.39	0.005	0.3	1.41	7	<10	140	<0.5	<2	0.17	<0.5	6	22	26	2.26
S231875		0.44	<0.005	0.3	1.81	10	<10	150	0.6	<2	0.20	<0.5	5	28	19	2.99
S231876		0.22	<0.005	<0.2	3.39	11	<10	260	5.0	<2	0.57	1.2	11	39	39	3.11
S231877		0.45	<0.005	<0.2	1.26	7	<10	80	0.6	<2	0.21	<0.5	6	19	21	2.04
S231878		0.35	<0.005	<0.2	1.59	7	<10	100	1.0	<2	0.24	<0.5	7	24	21	2.29
S231879		0.40	<0.005	<0.2	1.60	11	<10	80	0.9	<2	0.22	<0.5	8	28	17	2.77
S231880		0.39	<0.005	0.2	2.23	11	<10	120	0.7	<2	0.14	<0.5	10	32	26	3.27
S231881		0.36	<0.005	0.2	2.17	10	<10	100	0.8	<2	0.21	0.5	11	33	25	2.73
S231882		0.40	<0.005	<0.2	2.21	12	<10	80	0.7	<2	0.15	<0.5	9	37	32	3.19
S231883		0.43	<0.005	<0.2	1.77	11	<10	70	0.6	<2	0.13	<0.5	7	29	26	3.14
S231884		0.42	<0.005	<0.2	2.25	10	<10	100	2.0	<2	0.24	<0.5	9	38	26	2.87
S231885		0.44	<0.005	<0.2	2.17	8	<10	90	1.0	<2	0.19	<0.5	8	31	19	2.73
S231886		0.43	<0.005	<0.2	2.29	10	<10	90	1.7	<2	0.24	<0.5	9	37	21	2.89
S231887		0.46	<0.005	<0.2	1.54	8	<10	150	0.8	<2	0.35	<0.5	9	23	22	2.31
S231888		0.39	<0.005	<0.2	1.31	8	<10	100	<0.5	<2	0.10	<0.5	7	20	23	2.65
S231889		0.44	<0.005	<0.2	0.99	4	<10	50	<0.5	<2	0.15	<0.5	5	8	12	1.19
S231890		0.41	<0.005	0.2	2.91	12	<10	80	1.1	<2	0.15	<0.5	10	40	20	3.81

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S231851		10	<1	0.05	20	0.50	396	1	0.01	25	430	15	0.04	<2	3	15
S231852		10	<1	0.04	10	0.46	273	2	0.01	21	510	13	0.02	<2	3	16
S231853		10	<1	0.06	20	0.75	514	1	0.01	29	650	16	0.01	<2	4	24
S231854		10	<1	0.05	30	0.48	515	1	0.02	20	780	15	0.01	<2	4	24
S231855		10	<1	0.05	20	0.43	277	1	0.02	18	590	11	0.02	<2	3	20
S231856		10	<1	0.07	20	0.58	503	2	0.01	22	480	20	0.01	<2	4	28
S231857		10	<1	0.03	10	0.19	98	2	0.01	11	470	7	0.01	<2	2	10
S231858		10	<1	0.06	20	0.71	476	9	0.02	21	620	18	0.02	4	4	30
S231859		10	<1	0.05	10	0.53	267	1	0.01	18	500	11	0.01	<2	2	21
S231860		10	<1	0.05	10	0.46	255	2	0.01	23	500	25	0.01	<2	3	22
S231861		10	<1	0.05	20	0.47	339	1	0.02	20	650	15	0.02	<2	3	22
S231862		10	<1	0.05	20	0.29	336	1	0.02	12	570	10	0.02	<2	2	19
S231863		10	<1	0.05	10	0.39	408	2	0.01	15	370	23	0.01	<2	3	16
S231864		10	<1	0.04	10	0.42	280	1	0.01	21	340	15	0.02	<2	2	15
S231865		10	<1	0.03	10	0.13	186	2	0.01	11	530	8	0.03	<2	1	13
S231866		10	<1	0.06	40	0.57	902	1	0.01	27	820	34	0.06	<2	3	23
S231867		10	<1	0.07	10	0.61	528	<1	0.01	30	600	17	0.05	<2	3	13
S231868		10	<1	0.07	10	0.66	385	1	0.01	30	380	9	0.03	<2	4	19
S231869		10	<1	0.07	20	0.74	476	1	0.01	24	430	12	0.01	<2	4	21
S231870		10	<1	0.05	10	0.72	316	1	0.01	30	410	15	0.01	<2	3	24
S231871		10	<1	0.09	10	0.62	634	3	0.01	23	490	13	0.01	2	3	21
S231872		10	<1	0.06	10	0.35	328	1	0.01	15	510	10	0.02	<2	2	19
S231873		10	<1	0.07	10	0.24	271	2	<0.01	12	660	17	0.03	<2	1	13
S231874		10	<1	0.05	20	0.27	341	1	0.01	14	240	13	0.01	<2	2	19
S231875		10	<1	0.06	20	0.38	236	1	0.01	14	210	14	0.01	<2	3	21
S231876		10	<1	0.20	410	0.55	542	<1	0.06	36	1960	16	0.02	<2	7	68
S231877		<10	1	0.04	10	0.30	259	1	0.01	12	630	13	0.01	<2	2	17
S231878		10	<1	0.05	30	0.36	332	1	0.01	15	600	15	0.03	<2	2	22
S231879		10	1	0.06	20	0.45	347	1	0.01	18	540	18	0.01	<2	3	16
S231880		10	<1	0.04	10	0.42	348	1	0.01	21	470	13	0.03	<2	2	15
S231881		10	<1	0.05	20	0.51	394	1	0.01	24	440	12	0.03	<2	3	18
S231882		10	<1	0.05	10	0.53	312	1	0.01	23	550	8	0.05	<2	3	14
S231883		10	<1	0.05	10	0.40	298	1	0.01	17	520	22	0.05	<2	2	13
S231884		10	<1	0.05	130	0.50	447	1	0.01	23	490	33	0.02	<2	4	24
S231885		10	<1	0.04	20	0.43	301	<1	0.01	21	360	13	0.03	<2	3	17
S231886		10	<1	0.06	50	0.51	342	1	0.01	23	410	17	0.02	3	4	20
S231887		10	<1	0.07	10	0.38	779	1	0.01	18	1080	13	0.08	2	1	29
S231888		10	<1	0.04	10	0.22	290	1	0.01	14	280	13	0.01	<2	2	12
S231889		<10	<1	0.03	<10	0.09	269	<1	0.02	5	590	3	0.03	<2	<1	12
S231890		10	<1	0.05	20	0.51	340	1	0.01	25	560	13	0.03	<2	3	15

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S231851		<20	0.10	<10	<10	59	<10	86
S231852		<20	0.08	<10	<10	94	<10	77
S231853		<20	0.13	<10	<10	76	<10	83
S231854		<20	0.12	<10	<10	86	<10	69
S231855		<20	0.10	<10	<10	65	<10	55
S231856		<20	0.14	<10	<10	94	<10	64
S231857		<20	0.08	<10	<10	74	<10	35
S231858		<20	0.09	<10	<10	74	<10	58
S231859		<20	0.11	<10	<10	76	<10	59
S231860		<20	0.14	<10	<10	102	<10	67
S231861		<20	0.10	<10	<10	73	<10	74
S231862		<20	0.08	<10	<10	52	<10	50
S231863		<20	0.14	<10	<10	96	<10	82
S231864		<20	0.12	<10	<10	78	<10	66
S231865		<20	0.09	<10	<10	69	<10	42
S231866		<20	0.10	<10	<10	78	<10	106
S231867		<20	0.10	<10	<10	69	<10	78
S231868		<20	0.12	<10	<10	71	<10	67
S231869		<20	0.15	<10	<10	80	<10	74
S231870		<20	0.14	<10	<10	71	<10	76
S231871		<20	0.14	<10	<10	98	<10	73
S231872		<20	0.10	<10	<10	75	<10	75
S231873		<20	0.10	<10	<10	83	<10	52
S231874		<20	0.08	<10	<10	69	<10	51
S231875		<20	0.10	<10	<10	86	<10	53
S231876		20	0.09	<10	<10	57	<10	113
S231877		<20	0.08	<10	<10	55	<10	44
S231878		<20	0.07	<10	<10	54	<10	58
S231879		<20	0.09	<10	<10	64	<10	76
S231880		<20	0.09	<10	<10	72	<10	74
S231881		<20	0.09	<10	<10	61	<10	76
S231882		<20	0.10	<10	<10	76	<10	72
S231883		<20	0.08	<10	<10	73	<10	81
S231884		<20	0.07	<10	<10	68	<10	106
S231885		<20	0.10	<10	<10	63	<10	77
S231886		<20	0.12	<10	<10	69	<10	79
S231887		<20	0.06	<10	<10	53	<10	84
S231888		<20	0.08	<10	<10	72	<10	62
S231889		<20	0.05	<10	<10	33	<10	25
S231890		<20	0.12	<10	<10	80	<10	88

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Finalized Date: 18-AUG-2015
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Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S231891		0.47	<0.005	0.2	2.22	9	<10	100	0.7	<2	0.13	<0.5	8	30	21	3.31
S231892		0.40	0.006	<0.2	1.94	9	<10	160	0.5	<2	0.22	<0.5	8	29	16	3.18
S231893		0.36	<0.005	<0.2	1.32	6	<10	90	0.7	<2	0.16	<0.5	5	18	13	1.93
S231894		0.40	<0.005	<0.2	3.00	12	<10	130	0.6	<2	0.18	<0.5	9	33	18	3.38
S231895		0.35	<0.005	0.2	1.79	10	<10	150	<0.5	<2	0.19	<0.5	7	28	13	3.12
S231896		0.33	<0.005	0.3	2.60	14	<10	90	0.9	<2	0.12	<0.5	8	34	28	3.97
S231897		0.37	<0.005	0.2	1.72	7	<10	100	0.8	<2	0.22	<0.5	7	28	14	2.46
S231898		0.35	0.022	0.2	1.66	8	<10	120	0.5	<2	0.22	<0.5	6	23	15	2.07
S231899		0.47	<0.005	<0.2	1.81	8	<10	80	0.6	<2	0.16	<0.5	8	31	20	2.72
S231900		0.04	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.03
S231901		0.44	0.005	<0.2	1.33	5	<10	80	1.6	<2	0.34	0.7	6	27	21	2.04
S231902		0.47	0.010	<0.2	1.93	8	<10	70	0.7	<2	0.18	<0.5	8	32	26	2.77
S231903		0.50	0.005	<0.2	2.20	10	<10	90	1.0	<2	0.17	<0.5	10	33	22	3.12
S231904		0.45	<0.005	<0.2	2.10	11	<10	90	1.0	<2	0.17	<0.5	10	33	21	3.01
S231905		0.50	0.006	<0.2	1.50	9	<10	80	2.9	<2	0.27	0.5	8	26	33	2.56
S231906		0.51	0.007	<0.2	1.69	19	<10	110	2.1	<2	0.31	0.5	9	29	51	2.80
S231907		0.50	0.005	0.2	2.11	14	<10	90	0.8	<2	0.13	<0.5	9	33	25	3.68
S231908		0.49	<0.005	<0.2	2.35	12	<10	120	1.7	<2	0.22	0.6	12	33	28	3.51
S231909		0.48	<0.005	<0.2	1.70	12	<10	150	1.5	<2	0.18	0.9	11	28	22	3.53
S231910		0.51	0.005	<0.2	1.72	13	<10	110	1.1	<2	0.19	0.5	8	30	24	3.50
S231911		0.44	0.014	<0.2	1.90	19	<10	120	0.9	2	0.18	0.5	7	28	28	3.44
S231912		0.40	<0.005	0.2	1.93	10	<10	150	0.7	<2	0.14	0.7	10	31	19	3.95
S231913		0.38	<0.005	<0.2	2.36	12	<10	140	0.9	3	0.16	1.0	11	37	27	3.91
S231914		0.40	<0.005	0.3	2.02	9	<10	110	1.1	<2	0.25	<0.5	8	33	23	3.03
S231915		0.38	<0.005	<0.2	1.66	10	<10	140	0.6	<2	0.24	<0.5	8	28	17	3.14
S231916		0.36	<0.005	<0.2	1.71	7	<10	150	1.3	2	0.40	0.9	9	21	27	2.26
S231917		0.41	<0.005	<0.2	2.29	11	<10	130	0.8	2	0.21	1.4	10	36	23	3.75
S231918		0.24	0.006	0.2	1.60	6	<10	80	1.0	2	0.21	<0.5	6	24	23	2.51
S231919		0.39	<0.005	0.2	1.48	5	<10	140	0.6	<2	0.24	0.8	9	22	22	2.68
S231920		0.43	<0.005	<0.2	1.77	8	<10	90	1.4	<2	0.28	<0.5	8	29	21	2.48
S231921		0.38	<0.005	<0.2	1.60	9	<10	140	0.7	<2	0.24	<0.5	10	25	24	2.98
S231922		0.44	<0.005	<0.2	1.83	10	<10	120	0.8	<2	0.27	<0.5	9	30	23	2.79
S231923		0.44	<0.005	<0.2	1.97	11	<10	130	0.9	<2	0.25	<0.5	14	32	31	3.34
S231924		0.37	<0.005	<0.2	1.94	7	<10	100	0.7	<2	0.23	<0.5	9	31	21	2.93
S231925		0.30	<0.005	<0.2	1.42	5	<10	90	0.5	2	0.18	<0.5	8	24	20	2.83
S231926		0.42	<0.005	<0.2	1.87	10	<10	110	0.8	2	0.16	<0.5	9	31	27	3.01
S231927		0.50	<0.005	<0.2	0.73	16	<10	80	<0.5	<2	0.05	<0.5	<1	14	2	3.19
S231928		0.48	<0.005	<0.2	2.45	22	<10	120	1.5	<2	0.35	<0.5	11	39	29	4.00
S231929		0.53	0.008	<0.2	2.46	57	<10	180	1.7	<2	0.35	<0.5	17	35	69	3.68
S231930		0.55	0.006	<0.2	2.29	38	<10	90	1.7	2	0.38	0.5	12	31	42	3.78

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S231891		10	<1	0.05	10	0.42	242	1	<0.01	20	310	13	0.01	<2	3	15
S231892		10	<1	0.05	10	0.39	248	1	0.01	17	460	12	0.01	<2	3	22
S231893		10	<1	0.04	30	0.24	216	<1	0.01	11	420	13	0.01	<2	2	16
S231894		10	<1	0.05	10	0.41	217	1	0.01	25	570	11	0.02	<2	3	20
S231895		10	<1	0.05	10	0.37	230	1	0.01	14	320	14	0.01	2	2	20
S231896		10	<1	0.05	20	0.40	264	1	0.01	19	340	16	0.02	<2	3	14
S231897		10	1	0.09	20	0.44	250	<1	0.01	18	1050	15	0.02	<2	2	21
S231898		10	<1	0.05	10	0.35	196	<1	0.01	15	340	8	0.02	<2	2	23
S231899		10	<1	0.05	10	0.47	365	1	0.01	20	420	9	0.03	<2	2	15
S231900		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.02	<2	<1	<1
S231901		<10	<1	0.06	40	0.36	374	1	0.01	18	680	22	0.01	<2	3	24
S231902		10	<1	0.05	10	0.49	407	1	0.01	21	450	12	0.04	<2	2	16
S231903		10	<1	0.05	20	0.58	480	1	0.01	26	420	14	0.04	<2	3	16
S231904		10	<1	0.05	20	0.50	416	1	0.01	24	460	16	0.04	<2	3	15
S231905		10	<1	0.06	70	0.43	464	1	0.01	21	820	28	0.03	<2	2	20
S231906		10	<1	0.11	60	0.50	534	1	0.01	24	960	31	0.04	<2	2	23
S231907		10	<1	0.08	10	0.41	640	2	0.01	20	660	21	0.05	3	2	15
S231908		10	<1	0.08	30	0.52	537	1	0.01	26	650	22	0.02	2	3	17
S231909		10	<1	0.07	20	0.36	781	2	0.01	17	580	19	0.02	<2	2	20
S231910		10	<1	0.06	20	0.40	502	1	0.01	21	360	23	0.01	<2	3	17
S231911		10	<1	0.07	20	0.36	344	1	0.01	18	360	16	0.01	<2	3	18
S231912		10	<1	0.07	10	0.40	482	2	0.01	19	540	19	0.03	<2	3	17
S231913		10	<1	0.08	10	0.51	447	2	0.01	27	760	20	0.03	2	3	21
S231914		10	<1	0.09	20	0.46	398	1	0.01	23	590	13	0.02	<2	3	20
S231915		10	<1	0.08	10	0.39	335	1	0.01	20	560	13	0.03	<2	2	23
S231916		10	<1	0.09	40	0.39	849	<1	0.02	19	780	18	0.05	<2	2	35
S231917		10	<1	0.11	10	0.59	471	1	0.01	26	430	21	0.02	2	3	22
S231918		10	<1	0.05	30	0.34	282	<1	0.01	18	490	14	0.03	<2	2	20
S231919		10	<1	0.07	10	0.31	761	1	0.01	17	610	14	0.04	<2	1	24
S231920		10	<1	0.06	30	0.44	405	<1	0.01	21	670	12	0.02	<2	3	21
S231921		10	<1	0.06	10	0.35	632	1	0.02	19	720	13	0.06	<2	2	22
S231922		10	<1	0.06	10	0.45	494	1	0.01	23	630	12	0.07	<2	2	22
S231923		10	<1	0.09	10	0.48	1840	1	0.02	25	1140	20	0.08	<2	2	22
S231924		10	<1	0.05	10	0.47	345	<1	0.01	22	550	16	0.04	<2	3	19
S231925		10	<1	0.04	10	0.35	278	<1	0.02	16	520	11	0.04	<2	2	17
S231926		10	<1	0.06	10	0.48	469	1	0.01	23	490	19	0.05	<2	2	16
S231927		<10	<1	0.13	20	0.02	14	2	0.03	2	270	14	0.21	2	1	52
S231928		10	<1	0.09	20	0.63	576	1	0.02	27	690	18	0.06	<2	2	29
S231929		10	<1	0.07	20	0.63	618	1	0.02	42	650	22	0.05	<2	3	46
S231930		10	<1	0.07	30	0.54	639	3	0.01	33	680	27	0.04	<2	3	31

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S231891		<20	0.12	<10	<10	78	<10	62
S231892		<20	0.11	<10	<10	83	<10	61
S231893		<20	0.09	<10	<10	51	<10	47
S231894		<20	0.11	<10	<10	67	<10	52
S231895		<20	0.10	<10	<10	84	<10	68
S231896		<20	0.12	<10	<10	92	<10	87
S231897		<20	0.09	<10	<10	57	<10	66
S231898		<20	0.08	<10	<10	50	<10	47
S231899		<20	0.10	<10	<10	65	<10	68
S231900		<20	<0.01	<10	<10	<1	<10	<2
S231901		<20	0.10	<10	<10	54	<10	119
S231902		<20	0.09	<10	<10	67	<10	76
S231903		<20	0.11	<10	<10	71	<10	86
S231904		<20	0.11	<10	<10	68	<10	86
S231905		<20	0.09	<10	<10	60	<10	107
S231906		<20	0.10	<10	<10	58	<10	168
S231907		<20	0.10	<10	<10	67	<10	102
S231908		<20	0.13	<10	<10	74	<10	108
S231909		<20	0.13	<10	<10	92	<10	100
S231910		<20	0.15	<10	<10	100	<10	118
S231911		<20	0.15	<10	<10	96	<10	84
S231912		<20	0.10	<10	<10	92	<10	134
S231913		<20	0.10	<10	<10	83	<10	209
S231914		<20	0.11	<10	<10	72	<10	79
S231915		<20	0.11	<10	<10	78	<10	84
S231916		<20	0.07	<10	<10	51	<10	117
S231917		<20	0.12	<10	<10	88	<10	186
S231918		<20	0.10	<10	<10	66	<10	111
S231919		<20	0.06	<10	<10	60	<10	150
S231920		<20	0.10	<10	<10	59	<10	85
S231921		<20	0.09	<10	<10	71	<10	90
S231922		<20	0.09	<10	<10	66	<10	81
S231923		<20	0.09	<10	<10	78	<10	108
S231924		<20	0.11	<10	<10	75	<10	71
S231925		<20	0.11	<10	<10	80	<10	64
S231926		<20	0.09	<10	<10	69	<10	94
S231927		<20	<0.01	<10	<10	17	<10	6
S231928		<20	0.09	<10	<10	75	<10	113
S231929		<20	0.10	<10	<10	78	<10	131
S231930		<20	0.10	<10	<10	78	<10	156

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 18-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
S231931		0.57	0.005	0.2	2.55	29	<10	110	2.1	<2	0.58	<0.5	13	30	25	4.24
S231932		0.54	<0.005	<0.2	1.94	14	<10	110	0.7	<2	0.22	<0.5	9	33	25	3.67
S231933		0.57	<0.005	<0.2	2.27	12	<10	120	0.9	<2	0.19	<0.5	11	35	25	3.39
S231934		0.50	0.005	<0.2	1.99	15	<10	100	0.8	2	0.16	<0.5	9	35	30	3.94
S231935		0.48	<0.005	<0.2	2.79	12	<10	150	0.9	2	0.26	<0.5	13	39	32	3.45
S231936		0.55	0.006	<0.2	2.30	14	<10	120	0.7	<2	0.22	<0.5	11	39	27	3.83
S231937		0.54	<0.005	<0.2	2.34	11	<10	120	0.6	<2	0.17	<0.5	11	36	33	3.44
S231938		0.48	<0.005	<0.2	1.50	12	<10	90	<0.5	<2	0.17	<0.5	8	29	24	3.55
S231939		0.55	<0.005	<0.2	2.37	13	<10	90	1.1	<2	0.20	<0.5	11	35	31	3.52
S231940		0.55	0.010	<0.2	2.10	12	<10	100	1.3	<2	0.48	<0.5	12	33	26	3.27
S232325		0.23	0.006	<0.2	2.12	10	<10	100	1.5	2	0.17	<0.5	8	36	34	3.44

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1510-250 HOWE STREET
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Finalized Date: 18-AUG-2015
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Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S231931		10	<1	0.08	30	0.67	831	1	0.01	21	1170	17	0.04	2	5	57
S231932		10	<1	0.06	10	0.49	433	2	0.01	22	670	13	0.06	<2	2	25
S231933		10	<1	0.06	10	0.56	514	1	0.01	27	530	14	0.05	<2	2	20
S231934		10	<1	0.07	10	0.54	571	2	0.01	25	710	23	0.06	<2	2	20
S231935		10	<1	0.09	10	0.73	538	1	0.02	34	400	15	0.03	<2	4	22
S231936		10	<1	0.08	10	0.65	507	2	0.01	29	560	16	0.05	<2	3	20
S231937		10	<1	0.07	10	0.64	369	1	0.01	30	440	13	0.04	<2	3	17
S231938		10	<1	0.05	10	0.34	237	2	0.01	20	370	11	0.02	<2	2	19
S231939		10	<1	0.08	10	0.58	575	1	0.01	25	630	30	0.06	<2	2	18
S231940		10	<1	0.07	30	0.68	616	1	0.02	25	1010	14	0.02	<2	4	36
S232325		10	<1	0.07	40	0.47	472	1	0.01	23	600	24	0.05	<2	2	20

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CERTIFICATE OF ANALYSIS WH15113623

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S231931		<20	0.05	<10	<10	74	<10	111
S231932		<20	0.10	<10	<10	88	<10	95
S231933		<20	0.10	<10	<10	76	<10	78
S231934		<20	0.09	<10	<10	84	<10	123
S231935		<20	0.12	<10	<10	73	<10	93
S231936		<20	0.10	<10	<10	80	<10	110
S231937		<20	0.10	<10	<10	73	<10	88
S231938		<20	0.13	<10	<10	97	<10	61
S231939		<20	0.09	<10	<10	69	<10	116
S231940		<20	0.11	<10	<10	73	<10	87
S232325		<20	0.11	<10	<10	88	<10	113

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CERTIFICATE OF ANALYSIS WH15113623

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

NSS is non-sufficient sample.
Applies to Method: ALL METHODS

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	LOG-21	LOG-21d	LOG-23	SCR-41
	SPL-21d	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au-AA23	ME-ICP41

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

CERTIFICATE WH15116333

Project: SUM15-01

P.O. No.: SUM-15-01_6

This report is for 322 Soil samples submitted to our lab in Whitehorse, YT, Canada on 4-AUG-2015.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL	THOMAS BRANSON	SUMAC MINES

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **EQUITY EXPLORATION CONSULTANTS LTD.**
ATTN: THOMAS BRANSON
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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1510-250 HOWE STREET
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Finalized Date: 17-AUG-2015
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Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
S232489		0.50	<0.005	0.3	1.59	9	<10	330	<0.5	<2	0.99	1.2	12	38	44	1.96
S232490		0.52	<0.005	0.2	1.74	10	<10	420	<0.5	<2	0.90	0.7	13	44	33	2.01
S232491		0.57	<0.005	0.3	1.88	7	<10	300	<0.5	<2	0.57	0.7	11	53	42	2.15
S232492		0.54	<0.005	0.2	1.51	11	<10	270	0.7	<2	1.49	2.5	8	45	73	1.90
S232493		0.58	<0.005	1.3	2.08	23	<10	150	1.9	<2	1.17	1.8	18	51	226	2.93
S232450		0.05	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	1	1	0.03
S232451		0.44	<0.005	0.2	2.58	20	<10	100	1.1	<2	0.36	<0.5	14	46	63	3.60
S232452		0.52	<0.005	0.2	3.76	12	<10	150	1.0	<2	0.29	<0.5	15	59	97	4.17
S232453		0.45	<0.005	0.3	1.56	6	<10	140	<0.5	<2	0.26	<0.5	10	28	33	2.21
S232454		0.38	<0.005	0.7	1.66	6	<10	140	0.7	<2	0.61	<0.5	5	19	85	1.62
S232455		0.51	<0.005	0.5	1.73	7	<10	110	0.6	<2	0.58	<0.5	10	35	58	2.74
S232456		0.47	<0.005	<0.2	1.62	3	<10	160	0.6	<2	0.80	0.5	7	43	65	1.79
S232457		0.32	<0.005	0.2	1.10	8	<10	140	<0.5	<2	1.20	1.7	7	20	27	1.42
S232458		0.42	<0.005	0.3	1.73	11	<10	100	<0.5	<2	0.19	<0.5	8	30	20	3.02
S232459		0.38	<0.005	0.4	1.11	8	<10	140	<0.5	<2	1.93	1.8	6	18	51	1.34
S232460		0.40	<0.005	0.6	2.00	12	<10	120	0.5	<2	0.20	0.9	9	33	39	2.91
S232461		0.29	<0.005	0.5	1.14	5	<10	140	<0.5	<2	0.85	1.7	7	22	36	1.45
S232462		0.40	<0.005	0.7	2.16	17	<10	540	0.7	2	0.88	1.9	10	51	60	2.49
S232463		0.42	<0.005	0.6	1.42	13	<10	1710	0.5	<2	0.33	3.9	3	32	91	1.44
S232464		0.58	<0.005	<0.2	1.40	25	<10	580	<0.5	<2	0.16	0.8	7	28	33	4.03
S232465		0.46	<0.005	1.1	3.14	15	<10	210	0.8	<2	0.16	1.7	16	58	52	3.56
S232466		0.53	<0.005	0.8	1.99	17	<10	300	0.6	<2	0.27	2.9	11	38	59	2.78
S232467		0.37	<0.005	0.4	0.79	4	<10	290	<0.5	<2	1.21	1.8	5	21	46	0.97
S232468		0.48	<0.005	0.4	1.38	5	<10	720	0.5	2	1.03	2.7	8	36	63	1.60
S232469		0.49	<0.005	0.4	1.04	11	<10	330	0.5	<2	0.95	2.0	16	24	54	1.89
S232470		0.58	<0.005	0.2	2.02	10	<10	290	0.5	<2	0.68	1.0	11	42	35	2.51
S232471		0.55	<0.005	0.2	1.72	12	<10	270	0.6	3	0.89	0.5	10	39	50	2.41
S232472		0.50	<0.005	<0.2	2.41	9	<10	200	0.7	3	0.32	<0.5	15	46	41	3.13
S232473		0.48	<0.005	0.2	1.41	13	<10	90	0.5	<2	0.58	0.7	5	34	66	3.24
S232474		0.40	<0.005	0.3	3.51	12	<10	110	0.9	<2	0.26	0.9	24	73	44	3.78
S232475		0.43	<0.005	0.3	3.93	13	<10	150	1.3	<2	0.26	1.5	31	79	43	4.46
S232348		0.39	<0.005	<0.2	2.44	10	<10	140	0.7	<2	0.19	<0.5	11	39	22	2.96
S232349		0.41	<0.005	<0.2	1.97	<2	<10	160	<0.5	<2	0.23	<0.5	10	33	20	2.58
S232350		0.04	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.03
S232351		0.55	0.006	0.2	2.77	7	<10	180	<0.5	<2	0.50	<0.5	14	47	23	3.53
S232352		0.52	<0.005	<0.2	2.93	10	<10	180	0.5	<2	0.38	<0.5	14	44	25	3.50
S232353		0.46	<0.005	<0.2	1.38	8	<10	70	<0.5	<2	0.48	0.5	10	26	27	2.32
S232354		0.59	<0.005	<0.2	2.12	13	<10	90	<0.5	2	0.37	<0.5	15	35	29	3.14
S232355		0.59	<0.005	0.2	2.47	14	<10	170	0.6	2	0.43	<0.5	15	49	36	3.77
S232356		0.55	<0.005	0.4	3.13	25	<10	220	1.1	3	0.36	1.6	14	62	61	4.23

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1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S232489		10	<1	0.05	10	0.57	1020	2	0.02	37	1480	21	0.05	<2	3	46
S232490		10	<1	0.06	10	0.63	706	2	0.02	32	1600	14	0.06	<2	4	45
S232491		10	<1	0.07	10	0.62	686	2	0.02	40	1120	12	0.04	<2	4	36
S232492		10	<1	0.04	20	0.51	283	<1	0.02	41	1900	11	0.10	<2	4	46
S232493		10	1	0.07	20	0.70	841	1	0.03	61	1090	18	0.05	<2	4	53
S232450		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	1	10	<2	0.03	<2	<1	1
S232451		10	<1	0.11	10	0.75	329	<1	0.01	36	500	8	0.03	<2	4	31
S232452		10	<1	0.07	10	1.00	325	<1	0.01	45	370	10	0.03	<2	6	33
S232453		10	1	0.08	10	0.37	926	<1	0.01	19	550	7	0.03	<2	2	25
S232454		<10	<1	0.06	10	0.22	268	<1	0.03	23	740	2	0.05	<2	2	43
S232455		10	<1	0.06	10	0.49	547	<1	0.02	30	610	6	0.04	<2	3	34
S232456		10	<1	0.06	10	0.51	338	<1	0.02	24	640	9	0.09	<2	6	37
S232457		<10	<1	0.07	10	0.30	365	<1	0.03	16	810	11	0.11	<2	2	50
S232458		10	<1	0.05	10	0.32	243	1	0.01	18	480	16	0.04	<2	2	17
S232459		<10	<1	0.05	10	0.23	275	<1	0.02	19	780	33	0.12	<2	2	65
S232460		10	1	0.05	10	0.31	222	<1	0.02	21	200	42	0.02	<2	3	20
S232461		<10	<1	0.04	10	0.26	285	<1	0.02	17	790	25	0.08	<2	2	39
S232462		10	<1	0.07	20	0.67	358	<1	0.02	41	1460	28	0.10	<2	5	58
S232463		10	<1	0.04	10	0.26	82	<1	<0.01	35	830	18	0.07	<2	2	34
S232464		10	<1	0.03	10	0.21	301	4	<0.01	31	510	17	0.02	<2	2	24
S232465		10	<1	0.07	10	0.71	270	2	0.01	81	490	14	0.03	<2	5	18
S232466		10	1	0.06	10	0.46	466	1	0.01	47	1160	12	0.03	<2	3	27
S232467		<10	<1	0.03	10	0.23	228	1	0.02	25	1080	4	0.12	<2	2	66
S232468		<10	<1	0.06	10	0.44	562	<1	0.02	36	1140	10	0.11	<2	4	55
S232469		<10	<1	0.03	10	0.28	1250	2	0.02	25	1240	8	0.09	<2	2	48
S232470		10	<1	0.07	10	0.58	358	1	0.02	33	640	13	0.04	<2	4	36
S232471		10	<1	0.05	10	0.60	221	<1	0.02	33	1090	12	0.05	<2	4	35
S232472		10	<1	0.13	10	0.77	558	<1	0.01	36	520	8	0.03	<2	6	23
S232473		10	<1	0.04	10	0.27	122	3	<0.01	39	2940	10	0.04	<2	2	22
S232474		10	<1	0.05	10	0.84	219	<1	0.01	82	520	10	0.01	<2	4	18
S232475		10	<1	0.05	10	0.90	325	<1	0.01	92	540	12	0.01	<2	4	19
S232348		10	<1	0.09	10	0.65	435	<1	0.01	26	380	10	0.02	<2	5	22
S232349		10	<1	0.05	10	0.46	284	<1	0.01	21	530	7	0.01	<2	3	36
S232350		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	1	10	<2	0.02	<2	<1	1
S232351		10	<1	0.05	10	0.62	455	<1	0.01	31	350	16	0.03	<2	4	32
S232352		10	<1	0.09	10	0.65	360	<1	0.01	37	310	12	0.04	<2	4	22
S232353		<10	<1	0.04	10	0.40	409	1	0.01	21	420	10	0.01	<2	3	23
S232354		10	<1	0.04	10	0.46	213	1	<0.01	27	220	9	<0.01	2	4	19
S232355		10	<1	0.18	20	0.76	595	1	0.01	33	350	12	<0.01	<2	6	27
S232356		10	<1	0.08	10	0.86	255	6	<0.01	125	1020	32	0.01	<2	5	56

***** See Appendix Page for comments regarding this certificate *****

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Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S232489		<20	0.06	<10	<10	120	<10	208
S232490		<20	0.07	<10	<10	119	<10	206
S232491		<20	0.08	<10	<10	102	<10	195
S232492		<20	0.06	<10	<10	141	<10	193
S232493		<20	0.07	<10	<10	148	<10	239
S232450		<20	<0.01	<10	<10	1	<10	<2
S232451		<20	0.11	<10	<10	86	<10	64
S232452		<20	0.12	<10	<10	111	<10	72
S232453		<20	0.08	<10	<10	61	<10	41
S232454		<20	0.05	<10	<10	44	<10	27
S232455		<20	0.10	<10	<10	79	<10	49
S232456		<20	0.11	<10	<10	69	<10	58
S232457		<20	0.06	<10	<10	39	<10	82
S232458		<20	0.11	<10	<10	89	<10	54
S232459		<20	0.05	<10	<10	34	<10	67
S232460		<20	0.13	<10	<10	96	<10	72
S232461		<20	0.06	<10	<10	48	<10	112
S232462		<20	0.09	<10	<10	122	<10	215
S232463		<20	0.05	<10	<10	72	<10	181
S232464		<20	0.14	<10	<10	284	<10	231
S232465		<20	0.11	<10	<10	169	<10	346
S232466		<20	0.08	<10	<10	164	<10	221
S232467		<20	0.05	<10	<10	49	<10	49
S232468		<20	0.06	<10	<10	119	<10	128
S232469		<20	0.06	<10	<10	87	<10	119
S232470		<20	0.09	<10	<10	111	<10	164
S232471		<20	0.08	<10	<10	100	<10	116
S232472		<20	0.16	<10	<10	79	<10	71
S232473		<20	0.08	<10	<10	190	<10	124
S232474		<20	0.19	<10	<10	135	<10	174
S232475		<20	0.20	<10	<10	145	<10	236
S232348		<20	0.13	<10	<10	67	<10	62
S232349		<20	0.10	<10	<10	63	<10	45
S232350		<20	<0.01	<10	<10	<1	<10	<2
S232351		<20	0.10	<10	<10	89	<10	59
S232352		<20	0.13	<10	<10	87	<10	67
S232353		<20	0.07	<10	<10	62	<10	63
S232354		<20	0.10	<10	<10	91	<10	51
S232355		<20	0.18	<10	<10	95	<10	89
S232356		<20	0.13	<10	<10	258	<10	625

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CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
S232357		0.49	<0.005	0.8	1.89	21	<10	850	0.6	3	0.33	4.8	9	41	44	3.87
S232358		0.56	<0.005	0.3	2.28	16	<10	380	0.7	2	0.27	2.5	9	43	28	3.64
S232359		0.55	<0.005	0.4	1.98	24	<10	380	0.8	3	1.17	1.4	11	45	62	2.78
S232360		0.82	0.005	0.2	1.83	56	<10	320	0.6	3	0.90	1.0	10	44	61	2.91
S232361		0.67	<0.005	0.3	1.81	53	<10	330	0.5	3	0.93	<0.5	9	49	62	2.62
S232362		0.70	<0.005	0.3	1.78	22	<10	240	0.9	3	1.15	1.2	15	45	168	3.03
S232363		0.60	<0.005	0.2	1.59	13	<10	180	0.6	3	1.41	0.7	13	35	91	2.43
S232364		0.59	0.012	0.3	1.90	11	<10	170	0.5	2	1.06	<0.5	11	46	117	2.74
S232365		0.68	<0.005	0.3	1.71	13	<10	210	<0.5	3	0.71	0.5	9	35	40	2.53
S232366		0.57	0.009	0.4	1.90	17	<10	220	0.6	3	1.14	0.8	9	40	142	2.81
S232367		0.62	<0.005	0.4	2.26	12	<10	270	0.7	3	0.81	0.5	17	43	124	3.47
S232368		0.61	<0.005	0.2	1.93	7	<10	170	<0.5	3	0.45	0.5	11	32	24	3.15
S232369		0.63	<0.005	0.7	2.22	14	<10	140	1.0	5	0.80	0.7	17	43	133	3.83
S232370		0.59	<0.005	1.5	2.11	14	<10	150	0.9	4	0.68	0.8	15	43	150	3.74
S232371		0.62	0.011	0.5	1.97	8	<10	180	0.6	5	0.84	<0.5	11	44	82	3.04
S232372		0.63	0.101	0.3	2.29	28	<10	160	0.7	27	0.56	<0.5	15	56	163	5.22
S232373		0.63	<0.005	<0.2	1.93	9	<10	100	0.6	3	0.53	<0.5	13	64	42	3.33
S232374		0.62	<0.005	0.5	1.99	19	<10	270	0.6	6	0.58	0.5	11	44	111	3.14
S232375		0.61	<0.005	0.5	1.94	20	<10	260	0.6	2	0.55	<0.5	11	44	110	3.09
S232376		0.55	<0.005	0.5	1.86	10	<10	230	0.5	3	1.06	<0.5	10	36	62	2.37
S232377		0.62	0.303	<0.2	1.27	11	<10	220	<0.5	<2	0.78	<0.5	10	33	49	2.12
S232378		0.51	<0.005	<0.2	1.55	6	<10	250	0.5	<2	1.17	<0.5	10	29	40	1.96
S232379		0.54	<0.005	0.2	1.29	9	<10	150	<0.5	2	1.28	<0.5	11	25	33	2.04
S232380		0.57	<0.005	0.2	2.54	13	<10	290	1.0	2	1.65	2.7	12	40	64	3.06
S232381		0.51	0.012	0.9	1.53	10	<10	180	0.7	9	1.04	0.9	13	32	151	2.49
S232382		0.56	<0.005	0.9	1.35	43	<10	260	<0.5	3	0.24	0.6	9	29	59	2.21
S232383		0.57	0.010	0.5	1.91	68	<10	410	0.6	2	0.14	<0.5	10	39	62	4.56
S232384		0.44	<0.005	0.6	1.48	30	<10	290	<0.5	3	0.12	0.7	10	27	46	3.50
S232385		0.54	<0.005	0.4	1.51	25	<10	310	<0.5	5	0.16	<0.5	9	26	43	3.10
S232386		0.44	<0.005	0.6	2.16	13	<10	150	0.5	2	0.14	<0.5	8	39	44	4.02
S232387		0.37	<0.005	0.2	1.67	18	<10	180	<0.5	3	0.15	<0.5	6	30	41	4.10
S232388		0.48	<0.005	<0.2	2.35	11	<10	140	0.7	3	0.35	<0.5	12	36	24	3.68
S232389		0.35	<0.005	<0.2	2.35	13	<10	120	0.5	3	0.14	<0.5	11	34	24	3.93
S232390		0.50	<0.005	<0.2	2.06	15	<10	90	0.5	4	0.12	<0.5	8	33	18	4.25
S232391		0.58	<0.005	<0.2	2.24	11	<10	110	0.6	3	0.32	<0.5	10	34	21	3.93
S232392		0.46	<0.005	0.4	1.78	41	<10	350	0.7	5	0.43	0.5	16	40	76	3.20
S232393		0.56	<0.005	<0.2	1.81	8	<10	120	0.6	3	0.38	<0.5	8	29	26	2.57
S232394		0.49	<0.005	<0.2	2.37	8	<10	130	0.9	3	0.64	<0.5	10	37	27	2.56
S232395		0.50	<0.005	<0.2	1.79	7	<10	110	<0.5	2	0.22	<0.5	9	29	18	2.42
S232396		0.65	<0.005	<0.2	1.92	7	<10	150	0.5	3	0.55	<0.5	10	31	22	2.51

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S232357		10	<1	0.07	10	0.50	337	4	<0.01	54	1120	17	0.01	2	4	29
S232358		10	<1	0.08	10	0.62	305	2	<0.01	31	830	20	<0.01	<2	3	23
S232359		10	<1	0.09	20	0.77	470	2	0.02	44	1370	14	0.03	4	4	44
S232360		10	1	0.10	10	0.82	425	1	0.01	41	1250	11	0.01	2	5	39
S232361		10	<1	0.06	10	0.78	303	1	0.01	42	1490	12	0.01	<2	5	35
S232362		10	1	0.06	20	0.78	454	1	0.01	42	1720	14	0.02	2	5	38
S232363		<10	<1	0.06	10	0.64	632	<1	0.01	30	1100	13	0.03	<2	4	36
S232364		10	<1	0.06	10	0.74	405	1	0.01	38	2050	20	0.01	<2	5	40
S232365		<10	<1	0.07	10	0.56	322	<1	0.01	25	810	9	0.01	<2	4	35
S232366		10	<1	0.06	10	0.73	560	<1	0.01	25	950	12	0.03	<2	4	49
S232367		10	<1	0.08	10	0.72	1140	1	0.01	31	600	13	0.01	<2	5	43
S232368		10	<1	0.05	10	0.45	779	1	<0.01	19	480	13	<0.01	<2	3	34
S232369		10	<1	0.10	20	0.79	1215	1	0.01	31	740	13	0.01	<2	5	38
S232370		10	<1	0.06	10	0.63	852	1	0.01	35	700	11	0.01	2	5	30
S232371		10	<1	0.13	10	0.73	377	<1	0.01	29	540	10	0.01	<2	6	37
S232372		10	<1	0.30	10	0.96	648	1	0.01	37	830	12	0.03	<2	5	36
S232373		10	<1	0.08	10	0.94	387	1	0.01	32	520	8	<0.01	<2	4	34
S232374		10	<1	0.11	10	0.67	432	1	0.01	33	680	10	0.02	<2	5	41
S232375		10	<1	0.11	10	0.65	435	2	<0.01	33	680	11	0.01	<2	5	39
S232376		10	<1	0.13	10	0.49	415	<1	0.02	26	840	7	0.05	<2	5	43
S232377		<10	<1	0.07	10	0.46	371	<1	0.01	20	890	6	0.01	<2	4	37
S232378		10	<1	0.06	10	0.41	322	<1	0.02	21	720	8	0.06	<2	3	36
S232379		<10	<1	0.05	10	0.37	530	<1	0.02	19	830	10	0.06	<2	3	39
S232380		10	<1	0.11	20	0.54	583	<1	0.01	32	1730	13	0.11	<2	3	72
S232381		<10	<1	0.04	10	0.46	1265	5	0.01	28	1160	52	0.08	<2	3	39
S232382		10	<1	0.06	10	0.46	196	3	<0.01	24	810	13	0.04	<2	2	22
S232383		10	<1	0.07	10	0.39	303	4	<0.01	31	670	21	0.06	2	3	26
S232384		10	<1	0.05	10	0.29	307	4	<0.01	19	490	38	0.02	<2	2	17
S232385		10	<1	0.06	10	0.38	393	4	<0.01	19	480	19	0.01	<2	2	22
S232386		10	<1	0.04	10	0.41	236	5	<0.01	22	460	13	0.01	<2	3	15
S232387		10	<1	0.05	10	0.34	221	7	<0.01	20	550	14	0.01	<2	2	15
S232388		10	<1	0.07	10	0.67	408	2	<0.01	23	540	11	<0.01	<2	4	31
S232389		10	<1	0.04	10	0.39	250	2	<0.01	22	220	13	<0.01	3	3	14
S232390		10	<1	0.04	10	0.36	209	9	<0.01	19	510	13	0.01	<2	3	14
S232391		10	1	0.05	10	0.73	274	3	<0.01	21	400	16	<0.01	<2	4	28
S232392		10	<1	0.06	20	0.69	860	7	<0.01	34	1030	34	0.03	<2	3	30
S232393		10	<1	0.07	10	0.51	315	2	0.01	18	450	8	0.01	<2	3	35
S232394		10	<1	0.08	20	0.74	265	1	0.01	24	790	12	0.01	<2	4	51
S232395		10	<1	0.05	10	0.49	273	<1	<0.01	17	210	7	<0.01	2	3	24
S232396		10	<1	0.06	10	0.62	394	<1	0.01	19	540	8	0.01	<2	4	39

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S232357		<20	0.10	<10	<10	355	<10	556
S232358		<20	0.09	<10	<10	127	<10	209
S232359		<20	0.07	<10	<10	115	<10	162
S232360		<20	0.10	<10	<10	123	<10	206
S232361		<20	0.08	<10	<10	130	<10	169
S232362		<20	0.08	<10	<10	122	<10	105
S232363		<20	0.07	<10	<10	79	<10	96
S232364		<20	0.09	<10	<10	117	<10	136
S232365		<20	0.09	<10	<10	87	<10	81
S232366		<20	0.09	<10	<10	75	<10	78
S232367		<20	0.08	<10	<10	85	<10	87
S232368		<20	0.08	<10	<10	84	<10	60
S232369		<20	0.09	<10	<10	99	<10	81
S232370		<20	0.08	<10	<10	117	<10	117
S232371		<20	0.12	<10	<10	68	<10	52
S232372		<20	0.16	<10	<10	113	<10	82
S232373		<20	0.12	<10	<10	85	<10	57
S232374		<20	0.11	<10	<10	99	<10	85
S232375		<20	0.10	<10	<10	99	<10	84
S232376		<20	0.09	<10	<10	61	<10	61
S232377		<20	0.08	<10	<10	69	<10	49
S232378		<20	0.07	<10	<10	60	<10	46
S232379		<20	0.06	<10	<10	54	<10	44
S232380		<20	0.05	<10	<10	68	<10	97
S232381		<20	0.05	<10	<10	77	<10	92
S232382		<20	0.06	<10	<10	62	<10	77
S232383		<20	0.11	<10	<10	109	<10	85
S232384		<20	0.08	<10	<10	111	<10	72
S232385		<20	0.08	<10	<10	122	<10	69
S232386		<20	0.11	<10	<10	193	<10	50
S232387		<20	0.14	<10	<10	206	<10	45
S232388		<20	0.16	<10	<10	93	10	51
S232389		<20	0.12	<10	<10	96	<10	61
S232390		<20	0.15	<10	<10	114	20	48
S232391		<20	0.17	<10	<10	100	<10	58
S232392		<20	0.07	<10	<10	111	<10	117
S232393		<20	0.10	<10	<10	68	<10	49
S232394		<20	0.11	<10	<10	68	<10	58
S232395		<20	0.10	<10	<10	64	<10	40
S232396		<20	0.10	<10	<10	60	<10	51

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S232397		0.46	<0.005	<0.2	2.47	7	<10	100	0.7	3	0.21	<0.5	11	35	18	3.56
S232398		0.47	<0.005	<0.2	1.96	11	<10	50	<0.5	3	0.13	<0.5	7	31	10	3.83
S232399		0.07	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	1	<1	<1	0.03
S232400		0.06	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.02
S232401		0.43	<0.005	<0.2	2.52	8	<10	170	0.5	2	0.47	0.5	13	39	23	2.90
S232402		0.34	<0.005	0.2	1.91	7	<10	190	<0.5	3	0.65	<0.5	12	31	32	2.67
S232403		0.35	<0.005	0.2	1.94	19	<10	140	<0.5	3	0.65	<0.5	12	47	42	3.10
S232404		0.42	<0.005	0.2	2.65	15	<10	250	0.5	4	0.68	<0.5	16	64	49	3.71
S232405		0.42	0.009	0.3	2.51	26	<10	290	0.7	5	0.50	1.6	16	53	360	3.64
S232406		0.43	0.006	<0.2	2.43	13	<10	110	0.5	3	0.16	<0.5	12	43	25	3.89
S232407		0.40	0.026	0.2	2.55	22	<10	430	0.9	4	0.62	1.3	14	57	95	4.47
S232408		0.40	0.006	0.7	1.88	13	<10	180	0.5	4	0.44	0.7	13	40	52	3.44
S232409		0.42	0.006	0.4	2.02	17	<10	230	0.6	6	0.57	1.9	16	43	73	3.64
S232410		0.43	0.013	0.4	2.21	21	<10	180	0.9	5	0.89	<0.5	13	52	139	3.99
S232411		0.41	0.008	0.2	1.92	16	<10	220	0.6	4	1.19	<0.5	17	48	75	3.26
S232412		0.43	0.016	0.6	1.72	28	<10	200	0.6	3	1.13	0.5	10	45	197	2.61
S232413		0.43	0.093	0.3	1.79	16	<10	140	0.6	10	0.94	<0.5	14	48	161	4.18
S232414		0.37	0.084	<0.2	2.05	8	<10	130	0.6	6	0.45	<0.5	11	44	97	3.94
S232415		0.41	0.021	<0.2	1.74	11	<10	130	0.5	4	0.52	<0.5	13	51	50	2.80
S232416		0.42	0.017	0.5	2.14	12	<10	280	0.6	5	0.65	<0.5	10	48	162	2.72
S232417		0.42	<0.005	0.2	1.53	19	<10	220	<0.5	3	0.76	<0.5	12	40	50	2.57
S232418		0.36	<0.005	0.2	1.55	7	<10	220	<0.5	2	0.99	<0.5	9	36	48	2.14
S232419		0.41	<0.005	<0.2	1.43	8	<10	140	<0.5	<2	0.87	<0.5	11	31	31	2.19
S232420		0.48	<0.005	<0.2	2.26	10	<10	180	0.6	<2	0.67	<0.5	13	40	31	2.92
S232421		0.54	0.015	0.4	1.82	15	<10	160	1.0	4	0.41	<0.5	12	45	106	3.01
S232422		0.39	<0.005	0.5	1.99	19	<10	120	1.0	3	0.22	<0.5	9	26	57	2.73
S232423		0.38	<0.005	0.2	2.14	25	<10	130	0.8	3	0.12	<0.5	8	36	37	4.31
S232424		0.52	<0.005	<0.2	2.69	21	<10	160	0.8	3	0.22	<0.5	12	39	35	3.78
S232425		0.55	<0.005	<0.2	2.72	22	<10	160	0.8	<2	0.21	<0.5	11	38	38	3.81
S232426		0.31	<0.005	<0.2	2.25	11	<10	140	<0.5	2	0.16	<0.5	7	30	33	3.56
S232427		0.38	<0.005	<0.2	1.95	11	<10	90	0.5	4	0.21	<0.5	8	34	34	3.90
S232428		0.46	<0.005	<0.2	1.61	12	<10	110	<0.5	4	0.19	<0.5	7	28	36	3.52
S232429		0.46	<0.005	<0.2	2.14	16	<10	170	0.6	2	0.39	<0.5	14	34	31	3.34
S232430		0.54	<0.005	<0.2	1.92	8	<10	120	0.5	2	0.49	<0.5	9	30	16	2.79
S232431		0.48	<0.005	<0.2	2.77	16	<10	120	0.6	2	0.18	<0.5	11	39	21	5.09
S232432		0.44	<0.005	0.2	2.78	17	<10	110	0.5	2	0.11	<0.5	8	36	20	4.85
S232433		0.40	<0.005	<0.2	2.77	17	<10	130	<0.5	2	0.15	<0.5	9	41	22	4.69
S232434		0.44	<0.005	<0.2	2.33	17	<10	100	0.6	2	0.23	<0.5	8	31	25	4.08
S232435		0.48	0.006	0.3	3.40	15	<10	120	1.0	2	0.15	<0.5	12	41	42	4.77
S232436		0.36	0.005	<0.2	1.86	11	<10	90	<0.5	<2	0.11	<0.5	8	27	21	3.68

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S232397		10	<1	0.05	10	0.70	268	1	<0.01	20	400	16	<0.01	<2	4	19
S232398		10	<1	0.03	10	0.37	148	7	<0.01	19	270	11	<0.01	<2	2	12
S232399		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.01	<2	<1	<1
S232400		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.01	<2	<1	<1
S232401		10	<1	0.05	10	0.55	394	<1	<0.01	32	250	46	<0.01	<2	4	27
S232402		10	<1	0.06	10	0.48	456	<1	0.02	26	590	11	<0.01	<2	4	27
S232403		10	<1	0.10	10	0.59	410	1	0.01	31	410	10	<0.01	2	4	33
S232404		10	<1	0.36	10	1.00	491	<1	0.02	44	400	11	<0.01	2	7	33
S232405		10	<1	0.09	10	0.71	390	3	<0.01	56	1650	25	<0.01	<2	5	31
S232406		10	<1	0.09	10	0.64	250	1	<0.01	27	240	10	<0.01	<2	4	14
S232407		10	<1	0.13	10	0.88	656	3	<0.01	64	1450	16	<0.01	<2	5	39
S232408		10	<1	0.09	10	0.54	652	1	<0.01	28	710	28	<0.01	<2	4	26
S232409		10	<1	0.12	10	0.61	1060	1	<0.01	34	840	17	<0.01	<2	4	28
S232410		10	<1	0.12	20	0.91	726	1	0.01	42	1080	14	0.01	<2	6	36
S232411		10	<1	0.08	10	0.78	532	1	0.01	35	1440	13	0.02	<2	5	40
S232412		10	<1	0.06	10	0.73	372	<1	0.01	29	960	10	0.02	<2	4	42
S232413		10	<1	0.07	10	0.72	739	1	0.01	31	840	10	0.01	<2	6	35
S232414		10	<1	0.13	10	0.78	384	1	<0.01	23	440	7	0.01	<2	5	28
S232415		10	<1	0.11	10	0.75	292	1	0.01	32	450	8	<0.01	2	5	29
S232416		10	<1	0.09	10	0.66	283	1	<0.01	32	850	12	0.01	<2	5	39
S232417		<10	<1	0.04	10	0.46	588	<1	0.01	23	500	10	0.02	<2	6	33
S232418		<10	<1	0.07	10	0.49	408	<1	0.01	22	790	9	0.03	<2	4	37
S232419		<10	<1	0.07	10	0.45	414	<1	0.02	22	620	10	0.03	<2	4	34
S232420		10	<1	0.14	10	0.64	450	<1	0.01	26	550	10	0.02	<2	4	40
S232421		10	<1	0.10	30	0.71	553	7	<0.01	29	760	10	0.03	3	4	27
S232422		10	<1	0.08	10	0.45	399	4	<0.01	24	370	37	0.01	<2	2	17
S232423		10	<1	0.04	10	0.36	259	4	<0.01	21	540	25	0.01	<2	3	14
S232424		10	<1	0.07	10	0.49	477	2	<0.01	29	590	18	0.02	<2	3	20
S232425		10	<1	0.06	10	0.47	400	2	0.01	31	610	17	0.03	2	3	19
S232426		10	1	0.04	10	0.30	202	5	0.01	17	410	9	0.01	<2	2	20
S232427		10	<1	0.04	10	0.49	322	6	0.01	22	500	10	0.01	<2	3	20
S232428		10	<1	0.05	10	0.39	243	13	0.01	16	420	24	<0.01	<2	3	21
S232429		10	<1	0.08	20	0.69	722	4	0.01	26	760	12	0.01	2	4	35
S232430		10	1	0.07	10	0.63	379	4	0.02	20	570	7	0.01	<2	3	45
S232431		10	<1	0.07	10	0.64	351	4	0.01	24	530	25	0.01	2	4	18
S232432		10	<1	0.05	10	0.43	227	1	0.01	21	480	11	0.01	2	3	13
S232433		10	<1	0.06	10	0.53	259	2	0.01	23	520	11	<0.01	<2	4	19
S232434		10	<1	0.04	10	0.49	287	1	0.01	21	520	7	0.01	4	3	22
S232435		10	<1	0.06	10	0.57	359	3	0.01	29	620	15	0.01	<2	4	16
S232436		10	<1	0.03	10	0.24	351	3	0.01	16	400	12	0.01	<2	2	14

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S232397		<20	0.17	<10	<10	78	<10	54
S232398		<20	0.12	<10	<10	99	40	43
S232399		<20	<0.01	<10	<10	<1	<10	<2
S232400		<20	<0.01	<10	<10	<1	<10	2
S232401		<20	0.10	<10	<10	69	<10	70
S232402		<20	0.09	<10	<10	69	<10	52
S232403		<20	0.09	<10	<10	86	<10	67
S232404		<20	0.23	<10	<10	94	<10	84
S232405		<20	0.12	<10	<10	153	<10	166
S232406		<20	0.13	<10	<10	92	<10	62
S232407		<20	0.10	<10	<10	211	<10	360
S232408		<20	0.08	<10	<10	93	<10	105
S232409		<20	0.08	<10	<10	97	<10	146
S232410		<20	0.10	<10	<10	113	<10	118
S232411		<20	0.09	<10	<10	102	<10	106
S232412		<20	0.08	<10	<10	75	10	90
S232413		<20	0.11	<10	<10	86	<10	69
S232414		<20	0.12	<10	<10	71	<10	51
S232415		<20	0.14	<10	<10	69	<10	60
S232416		<20	0.09	<10	<10	86	<10	82
S232417		<20	0.08	<10	<10	84	<10	48
S232418		<20	0.07	<10	<10	56	<10	50
S232419		<20	0.08	<10	<10	56	<10	48
S232420		<20	0.11	<10	<10	71	<10	76
S232421		<20	0.06	<10	<10	86	<10	89
S232422		<20	0.03	<10	<10	73	<10	134
S232423		<20	0.10	<10	<10	177	<10	60
S232424		<20	0.10	<10	<10	97	<10	60
S232425		<20	0.10	<10	<10	97	<10	64
S232426		<20	0.11	<10	<10	90	<10	41
S232427		<20	0.17	<10	<10	107	10	56
S232428		<20	0.18	<10	<10	128	<10	41
S232429		<20	0.13	<10	<10	99	<10	76
S232430		<20	0.15	<10	<10	79	<10	49
S232431		<20	0.18	<10	<10	112	<10	61
S232432		<20	0.14	<10	<10	104	<10	47
S232433		<20	0.13	<10	<10	108	<10	54
S232434		<20	0.15	<10	<10	98	<10	51
S232435		<20	0.11	<10	<10	100	<10	74
S232436		<20	0.11	<10	<10	113	<10	62

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
S232009		0.34	<0.005	<0.2	1.66	11	<10	80	0.8	2	0.13	<0.5	8	28	24	3.26
S232010		0.47	<0.005	<0.2	2.19	8	<10	150	1.5	3	0.33	0.5	12	35	22	3.28
S232011		0.33	<0.005	<0.2	1.69	6	<10	70	1.7	<2	0.40	<0.5	7	27	20	2.47
S232012		0.28	<0.005	<0.2	1.61	8	<10	100	0.7	2	0.26	<0.5	7	24	18	2.75
S232013		0.28	<0.005	0.9	1.04	34	<10	140	1.3	2	0.26	<0.5	36	15	27	14.80
S232014		0.30	<0.005	0.2	1.63	6	<10	110	1.1	<2	0.29	<0.5	8	22	25	2.12
S232015		0.44	<0.005	<0.2	1.75	3	<10	130	0.6	<2	0.32	<0.5	10	34	18	2.29
S232016		0.24	<0.005	<0.2	0.45	3	<10	40	<0.5	<2	0.10	<0.5	3	10	5	1.16
S232017		0.17	<0.005	<0.2	1.67	9	<10	120	1.6	<2	0.35	<0.5	6	18	22	2.13
S232018		0.29	<0.005	<0.2	0.62	5	<10	40	<0.5	<2	0.08	<0.5	4	13	12	1.88
S232019		0.38	<0.005	<0.2	1.09	6	<10	90	1.0	<2	0.30	<0.5	6	18	13	2.28
S232020		0.29	<0.005	0.2	0.82	5	<10	70	<0.5	<2	0.16	<0.5	4	10	10	1.24
S232021		0.28	<0.005	0.3	2.47	20	<10	200	1.2	2	0.31	<0.5	14	34	39	3.15
S232022		0.42	<0.005	<0.2	0.87	3	<10	60	<0.5	<2	0.26	<0.5	5	13	15	1.66
S232023		0.22	<0.005	<0.2	0.51	2	<10	30	<0.5	<2	0.14	<0.5	3	5	8	1.01
S232024		0.58	0.005	<0.2	0.85	6	<10	60	<0.5	<2	0.21	<0.5	7	17	15	1.79
S232025		0.71	<0.005	<0.2	0.92	6	<10	60	<0.5	3	0.22	<0.5	7	18	16	1.93
S232026		0.35	<0.005	<0.2	0.66	4	<10	50	<0.5	<2	0.10	<0.5	5	11	9	1.19
S232027		0.68	<0.005	<0.2	1.59	7	<10	100	1.4	<2	0.34	<0.5	8	28	20	2.68
S232028		0.52	0.008	<0.2	1.30	5	<10	80	<0.5	2	0.27	<0.5	8	23	16	2.24
S232029		0.38	<0.005	<0.2	0.33	<2	<10	20	<0.5	<2	0.06	<0.5	2	4	4	0.94
S232030		0.58	0.005	<0.2	2.65	12	<10	140	1.1	<2	0.23	<0.5	12	36	25	3.40
S232031		0.42	<0.005	<0.2	1.04	4	<10	70	<0.5	2	0.16	<0.5	6	27	13	1.96
S232032		0.63	<0.005	0.2	1.93	13	<10	120	0.8	2	0.14	<0.5	9	30	25	4.31
S232033		0.44	<0.005	<0.2	1.38	10	<10	60	<0.5	2	0.10	<0.5	5	22	17	3.10
S232034		0.63	<0.005	<0.2	1.99	13	<10	90	0.8	<2	0.15	<0.5	9	29	25	3.40
S232035		0.47	<0.005	<0.2	2.00	11	<10	90	0.8	<2	0.17	<0.5	10	33	21	3.07
S232036		0.34	<0.005	<0.2	0.92	6	<10	60	<0.5	<2	0.14	<0.5	5	16	17	1.87
S232037		0.49	<0.005	<0.2	2.62	10	<10	90	0.8	2	0.17	<0.5	11	34	23	2.97
S232038		0.52	<0.005	<0.2	2.13	13	<10	80	0.6	<2	0.15	<0.5	10	31	22	3.02
S232039		0.38	<0.005	<0.2	1.96	8	<10	120	0.8	<2	0.22	<0.5	10	31	34	2.51
S232040		0.52	<0.005	<0.2	2.20	15	<10	120	1.0	<2	0.21	<0.5	11	38	24	3.62
S232041		0.48	<0.005	<0.2	1.54	14	<10	60	1.9	2	0.17	<0.5	6	23	16	2.18
S232042		0.46	<0.005	<0.2	2.54	15	<10	60	2.5	<2	0.18	<0.5	11	23	20	4.13
S232043		0.49	<0.005	<0.2	3.09	5	<10	380	0.7	2	1.06	<0.5	23	25	27	4.57
S232044		0.36	<0.005	<0.2	1.31	14	<10	110	0.5	<2	0.25	<0.5	10	23	26	2.89
S232045		0.39	0.006	0.2	2.44	131	<10	70	1.1	<2	0.11	<0.5	19	41	131	4.86
S232046		0.44	0.005	0.2	0.99	14	<10	70	0.5	<2	0.15	<0.5	7	19	24	2.55
S232047		0.47	0.006	<0.2	2.04	70	<10	110	1.4	<2	0.24	<0.5	11	27	30	3.63
S232048		0.37	<0.005	0.2	1.09	11	<10	100	0.5	2	0.31	<0.5	7	16	19	2.63

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S232009		10	<1	0.05	10	0.38	353	2	0.01	22	340	14	0.02	<2	2	15
S232010		10	<1	0.06	30	0.69	918	1	0.01	26	790	18	0.04	<2	3	27
S232011		10	<1	0.07	30	0.49	429	<1	0.01	19	910	18	0.02	<2	3	23
S232012		10	<1	0.05	10	0.40	394	1	0.01	17	500	14	0.04	2	2	22
S232013		10	<1	0.01	40	0.04	6510	10	0.01	6	1460	<2	0.14	<2	3	35
S232014		10	<1	0.04	30	0.43	464	<1	0.02	15	910	10	0.03	<2	2	26
S232015		10	<1	0.06	20	0.65	251	<1	0.02	20	490	10	<0.01	<2	5	27
S232016		<10	<1	0.03	10	0.11	139	<1	0.02	6	300	4	0.01	<2	1	9
S232017		10	<1	0.06	40	0.32	334	1	0.02	13	850	14	0.03	<2	2	37
S232018		10	<1	0.04	10	0.15	159	1	0.01	9	480	6	0.03	<2	1	10
S232019		10	<1	0.08	30	0.27	247	<1	0.02	13	820	13	0.03	3	1	29
S232020		<10	<1	0.06	10	0.15	166	<1	0.03	6	600	4	0.01	<2	1	13
S232021		10	<1	0.05	40	0.59	490	1	0.01	22	990	12	0.04	<2	4	30
S232022		<10	<1	0.03	10	0.19	176	<1	0.02	8	750	4	0.03	<2	1	21
S232023		<10	<1	0.03	<10	0.09	65	<1	0.02	3	620	<2	0.02	<2	<1	11
S232024		<10	<1	0.04	20	0.27	470	<1	0.01	10	680	7	0.03	<2	1	16
S232025		10	<1	0.04	20	0.30	493	<1	0.01	11	700	8	0.02	2	1	16
S232026		10	<1	0.03	10	0.20	229	<1	0.01	5	440	6	0.02	<2	1	11
S232027		10	<1	0.06	50	0.45	459	<1	0.01	19	850	24	<0.01	<2	3	23
S232028		10	<1	0.04	10	0.41	302	<1	0.02	16	670	7	0.01	2	2	18
S232029		<10	<1	0.02	<10	0.04	62	<1	0.02	2	190	<2	<0.01	<2	<1	9
S232030		10	1	0.06	20	0.45	504	<1	0.01	25	710	15	0.02	<2	3	23
S232031		10	<1	0.03	10	0.20	277	1	0.02	17	490	9	0.01	<2	1	15
S232032		10	<1	0.04	10	0.35	588	2	0.01	20	410	22	0.01	<2	2	17
S232033		10	<1	0.03	10	0.20	169	1	0.01	15	260	15	0.01	<2	2	12
S232034		10	1	0.05	10	0.42	447	1	0.01	22	490	16	0.03	2	2	15
S232035		10	<1	0.04	20	0.50	371	<1	0.01	26	370	16	0.02	<2	3	15
S232036		<10	<1	0.03	10	0.23	150	<1	0.01	12	530	6	0.06	2	1	16
S232037		10	1	0.05	10	0.58	378	<1	0.01	27	450	17	0.03	<2	3	15
S232038		10	<1	0.06	10	0.50	395	<1	0.01	26	490	13	0.04	2	2	14
S232039		10	<1	0.05	10	0.51	446	<1	0.01	24	310	10	0.02	<2	3	18
S232040		10	<1	0.07	10	0.64	500	1	0.01	27	490	29	0.04	<2	3	19
S232041		10	<1	0.06	70	0.38	397	<1	0.01	17	230	27	0.02	2	3	16
S232042		10	<1	0.04	20	0.42	671	<1	0.01	18	800	14	0.02	2	3	11
S232043		10	<1	0.12	20	2.11	626	<1	0.06	87	2030	4	0.01	4	3	127
S232044		10	<1	0.06	10	0.39	626	1	0.01	20	860	18	0.08	<2	1	25
S232045		10	<1	0.09	20	0.80	2050	8	0.01	41	780	12	0.10	2	3	23
S232046		10	<1	0.04	10	0.21	399	1	0.01	13	840	11	0.08	2	1	16
S232047		10	<1	0.05	10	0.50	784	1	0.01	25	400	16	0.03	2	3	21
S232048		10	<1	0.05	10	0.26	404	1	0.01	15	1170	11	0.10	<2	1	28

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S232009		<20	0.09	<10	<10	79	<10	76
S232010		<20	0.10	<10	<10	68	<10	111
S232011		<20	0.10	<10	<10	54	<10	91
S232012		<20	0.09	<10	<10	65	<10	73
S232013		<20	0.03	<10	<10	224	<10	9
S232014		<20	0.06	<10	<10	46	<10	51
S232015		<20	0.12	<10	<10	58	<10	64
S232016		<20	0.06	<10	<10	37	<10	21
S232017		<20	0.05	<10	<10	40	<10	63
S232018		<20	0.07	<10	<10	57	<10	39
S232019		<20	0.07	<10	<10	50	<10	66
S232020		<20	0.05	<10	<10	33	<10	27
S232021		<20	0.08	<10	<10	70	<10	60
S232022		<20	0.07	<10	<10	49	<10	30
S232023		<20	0.05	<10	<10	30	<10	15
S232024		<20	0.07	<10	<10	48	<10	44
S232025		<20	0.07	<10	<10	51	<10	48
S232026		<20	0.06	<10	<10	34	<10	26
S232027		<20	0.09	<10	<10	61	<10	94
S232028		<20	0.10	<10	<10	55	<10	55
S232029		<20	0.05	<10	<10	32	<10	12
S232030		<20	0.13	<10	<10	73	<10	61
S232031		<20	0.08	<10	<10	51	<10	39
S232032		<20	0.12	<10	<10	97	<10	102
S232033		<20	0.10	<10	<10	89	<10	55
S232034		<20	0.09	<10	<10	74	<10	79
S232035		<20	0.09	<10	<10	68	<10	74
S232036		<20	0.05	<10	<10	46	<10	41
S232037		<20	0.10	<10	<10	64	<10	68
S232038		<20	0.10	<10	<10	64	<10	77
S232039		<20	0.10	<10	<10	61	<10	69
S232040		<20	0.09	<10	<10	71	<10	113
S232041		<20	0.05	<10	<10	39	<10	103
S232042		<20	0.03	<10	<10	52	<10	112
S232043		<20	0.35	<10	<10	78	<10	82
S232044		<20	0.08	<10	<10	66	<10	84
S232045		<20	0.10	<10	<10	115	<10	94
S232046		<20	0.06	<10	<10	67	<10	75
S232047		<20	0.07	<10	<10	58	<10	120
S232048		<20	0.05	<10	<10	49	<10	63

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
S232049		0.51	<0.005	<0.2	1.71	10	<10	120	0.5	<2	0.15	<0.5	6	23	23	2.77
S232050		0.06	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	<1	<1	0.03
S232051		0.42	0.005	<0.2	1.65	9	<10	100	0.5	<2	0.15	<0.5	8	23	17	3.17
S232052		0.46	<0.005	<0.2	2.13	8	<10	110	0.9	2	0.21	<0.5	6	32	18	2.81
S232053		0.51	<0.005	<0.2	2.52	13	<10	170	0.7	3	0.19	<0.5	10	34	19	3.74
S232054		0.43	<0.005	<0.2	1.45	8	<10	80	0.5	<2	0.18	<0.5	6	25	16	2.53
S232055		0.39	<0.005	<0.2	1.98	9	<10	100	0.7	<2	0.23	<0.5	8	29	20	2.63
S232056		0.33	<0.005	<0.2	0.98	7	<10	80	0.5	<2	0.13	<0.5	7	15	25	2.19
S232057		0.41	<0.005	<0.2	1.15	5	<10	90	<0.5	<2	0.16	<0.5	7	17	17	2.43
S232058		0.41	0.005	<0.2	2.30	11	<10	110	0.7	<2	0.21	<0.5	8	32	21	3.33
S232059		0.53	<0.005	<0.2	1.87	11	<10	150	0.8	2	0.18	<0.5	9	29	21	3.27
S232060		0.44	<0.005	0.2	1.78	8	<10	90	0.7	<2	0.24	<0.5	6	26	20	3.03
S232061		0.35	<0.005	0.2	1.62	7	<10	70	0.6	2	0.17	<0.5	7	23	18	2.73
S232062		0.34	<0.005	<0.2	2.13	8	<10	100	0.7	<2	0.14	<0.5	9	31	20	3.26
S232063		0.35	<0.005	<0.2	1.96	6	<10	140	1.0	<2	0.53	<0.5	8	25	22	2.42
S232064		0.38	<0.005	0.2	1.52	8	<10	90	<0.5	<2	0.20	<0.5	7	24	12	2.62
S232065		0.31	<0.005	<0.2	0.88	4	<10	70	<0.5	<2	0.25	<0.5	4	10	17	1.14
S232066		0.43	<0.005	<0.2	1.53	8	<10	110	0.6	<2	0.30	<0.5	9	25	28	2.53
S232067		0.40	<0.005	<0.2	1.66	10	<10	80	<0.5	<2	0.27	<0.5	9	29	14	2.91
S232068		0.65	0.006	0.2	2.06	6	<10	110	0.6	2	0.64	<0.5	11	39	177	2.73
S232069		0.31	<0.005	0.3	0.69	3	<10	80	<0.5	<2	0.97	<0.5	5	9	110	0.92
S232070		0.36	<0.005	0.8	3.40	13	<10	190	1.9	3	0.70	<0.5	15	46	342	3.71
S232071		0.50	<0.005	<0.2	1.00	5	<10	80	<0.5	<2	0.19	<0.5	5	15	14	1.56
S232072		0.67	<0.005	0.3	2.13	7	<10	120	0.6	<2	0.31	<0.5	11	38	40	2.86
S232073		0.56	<0.005	<0.2	1.56	6	<10	110	<0.5	2	0.25	<0.5	7	25	26	2.20
S232074		0.44	<0.005	<0.2	1.64	10	<10	60	0.7	<2	0.11	<0.5	6	24	23	2.92
S232075		0.47	0.006	<0.2	1.62	10	<10	70	0.6	4	0.10	<0.5	6	23	21	2.74
S232076		0.37	<0.005	0.2	1.15	8	<10	90	0.5	<2	0.27	0.6	6	21	30	2.50
S232077		0.50	0.007	<0.2	1.68	8	<10	100	1.1	<2	0.34	<0.5	8	25	39	2.32
S232078		0.42	<0.005	<0.2	2.02	10	<10	100	0.8	<2	0.20	<0.5	10	32	36	3.00
S232079		0.48	<0.005	<0.2	1.69	11	<10	80	0.7	<2	0.17	<0.5	7	27	27	2.99
S232080		0.47	<0.005	<0.2	1.66	9	<10	100	0.7	<2	0.16	<0.5	9	25	26	2.71
S232081		0.48	0.005	<0.2	1.85	15	<10	80	0.8	2	0.14	<0.5	8	31	42	3.32
S232082		0.47	<0.005	<0.2	1.76	11	<10	90	0.7	<2	0.15	<0.5	9	32	29	3.37
S232083		0.45	0.007	<0.2	1.87	12	<10	90	0.9	2	0.22	<0.5	9	29	27	2.92
S232084		0.47	<0.005	<0.2	1.97	13	<10	130	1.0	<2	0.31	<0.5	11	30	26	2.83
S232085		0.41	<0.005	<0.2	2.18	21	<10	70	1.1	<2	0.13	<0.5	7	31	42	3.11
S232086		0.49	<0.005	0.2	2.30	40	<10	90	0.9	<2	0.15	<0.5	9	34	41	3.45
S232087		0.40	0.010	<0.2	2.08	56	<10	120	0.8	2	0.21	<0.5	11	36	83	3.01
S232088		0.36	<0.005	0.5	0.93	39	<10	140	<0.5	2	0.15	<0.5	6	22	38	2.86

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S232049		10	1	0.05	10	0.30	276	<1	0.01	16	270	12	0.01	<2	2	18
S232050		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.02	<2	<1	1
S232051		10	1	0.06	10	0.31	330	1	0.01	18	520	18	0.01	<2	2	17
S232052		10	<1	0.05	40	0.51	271	<1	0.01	20	250	20	<0.01	<2	3	20
S232053		10	<1	0.07	10	0.48	466	<1	0.01	24	650	18	0.02	<2	3	21
S232054		10	<1	0.09	10	0.38	264	<1	0.01	15	280	15	0.01	<2	2	16
S232055		10	<1	0.07	20	0.45	262	<1	0.01	18	280	20	0.01	<2	2	22
S232056		10	<1	0.03	10	0.22	412	<1	0.01	11	590	8	0.03	<2	1	15
S232057		10	<1	0.04	10	0.24	238	<1	0.01	12	430	7	0.01	<2	1	15
S232058		10	<1	0.07	10	0.45	304	<1	0.01	20	430	14	0.01	<2	3	20
S232059		10	<1	0.06	10	0.40	325	<1	0.01	19	600	18	0.01	2	2	19
S232060		10	<1	0.07	30	0.43	211	<1	0.01	16	370	22	0.01	<2	3	22
S232061		10	1	0.10	10	0.31	310	<1	0.01	13	490	15	0.01	<2	2	17
S232062		10	1	0.06	10	0.43	369	<1	0.01	18	510	14	0.01	<2	2	14
S232063		10	<1	0.06	40	0.46	388	<1	0.02	15	770	11	0.02	<2	4	40
S232064		10	<1	0.07	10	0.32	371	3	0.01	13	320	13	0.01	2	2	22
S232065		<10	1	0.04	10	0.14	183	<1	0.03	7	420	5	0.01	<2	1	19
S232066		10	1	0.06	20	0.40	367	8	0.01	16	350	11	0.01	<2	3	29
S232067		10	<1	0.07	10	0.60	288	6	0.01	16	500	9	<0.01	<2	3	25
S232068		10	<1	0.05	20	1.01	304	<1	0.01	19	910	14	0.01	<2	6	49
S232069		<10	<1	0.03	10	0.16	353	1	0.04	8	670	4	0.06	<2	1	58
S232070		10	<1	0.07	50	0.73	1290	<1	0.01	29	560	21	0.02	<2	10	54
S232071		10	<1	0.04	<10	0.24	147	<1	0.02	10	290	4	0.01	<2	1	18
S232072		10	<1	0.06	10	0.66	351	<1	0.01	23	330	8	0.01	<2	4	36
S232073		10	<1	0.05	10	0.44	280	<1	0.02	14	330	5	0.01	<2	2	25
S232074		10	<1	0.04	10	0.22	231	1	0.01	16	320	21	0.02	2	2	11
S232075		10	<1	0.04	10	0.19	279	1	<0.01	14	310	19	0.02	<2	2	11
S232076		10	<1	0.06	10	0.28	328	1	0.01	14	690	9	0.07	2	1	23
S232077		10	<1	0.06	20	0.44	439	<1	0.02	22	830	14	0.02	<2	2	23
S232078		10	<1	0.06	10	0.52	307	<1	0.01	25	430	11	0.03	<2	2	18
S232079		10	<1	0.06	10	0.42	331	<1	0.01	20	370	20	0.03	<2	2	16
S232080		10	<1	0.05	10	0.40	325	<1	0.01	24	380	14	0.03	<2	2	15
S232081		10	<1	0.07	10	0.49	380	1	0.01	22	450	14	0.03	<2	2	14
S232082		10	<1	0.05	10	0.49	355	1	0.01	24	370	18	0.03	<2	2	17
S232083		10	<1	0.07	10	0.53	587	1	0.01	25	580	13	0.06	<2	2	20
S232084		10	1	0.08	10	0.49	735	1	0.01	24	840	13	0.07	<2	2	29
S232085		10	<1	0.05	30	0.44	251	1	0.01	25	500	20	0.03	<2	2	11
S232086		10	<1	0.06	10	0.48	295	1	0.01	28	420	14	0.03	2	3	18
S232087		10	1	0.09	10	0.55	372	1	0.01	28	610	11	0.04	<2	3	20
S232088		10	<1	0.06	10	0.22	264	2	0.01	16	680	7	0.05	<2	1	16

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S232049		<20	0.09	<10	<10	66	<10	59
S232050		<20	<0.01	<10	<10	<1	<10	<2
S232051		<20	0.09	<10	<10	72	<10	99
S232052		<20	0.08	<10	<10	60	<10	75
S232053		<20	0.11	<10	<10	80	<10	103
S232054		<20	0.09	<10	<10	64	<10	61
S232055		<20	0.08	<10	<10	60	<10	73
S232056		<20	0.06	<10	<10	60	<10	54
S232057		<20	0.09	<10	<10	71	<10	47
S232058		<20	0.10	<10	<10	76	<10	65
S232059		<20	0.10	<10	<10	73	<10	70
S232060		<20	0.10	<10	<10	73	<10	66
S232061		<20	0.10	<10	<10	67	<10	85
S232062		<20	0.09	<10	<10	76	<10	84
S232063		<20	0.09	<10	<10	59	<10	43
S232064		<20	0.08	<10	<10	81	<10	42
S232065		<20	0.04	<10	<10	31	<10	16
S232066		<20	0.08	<10	<10	63	<10	48
S232067		<20	0.12	<10	<10	80	<10	53
S232068		<20	0.14	<10	<10	80	<10	53
S232069		<20	0.03	<10	<10	25	<10	13
S232070		<20	0.06	<10	<10	101	<10	57
S232071		<20	0.06	<10	<10	43	<10	27
S232072		<20	0.10	<10	<10	72	<10	46
S232073		<20	0.08	<10	<10	57	<10	42
S232074		<20	0.08	<10	<10	81	<10	73
S232075		<20	0.08	<10	<10	87	<10	81
S232076		<20	0.08	<10	<10	71	<10	67
S232077		<20	0.09	<10	<10	52	<10	82
S232078		<20	0.08	<10	<10	64	<10	87
S232079		<20	0.08	<10	<10	68	<10	87
S232080		<20	0.08	<10	<10	61	<10	80
S232081		<20	0.09	<10	<10	69	<10	91
S232082		<20	0.09	<10	<10	73	<10	94
S232083		<20	0.07	<10	<10	57	<10	100
S232084		<20	0.07	<10	<10	57	<10	92
S232085		<20	0.09	<10	<10	70	<10	80
S232086		<20	0.11	<10	<10	79	<10	79
S232087		<20	0.10	<10	<10	73	<10	75
S232088		<20	0.09	<10	<10	94	<10	52

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Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S232089		0.44	<0.005	0.3	2.14	52	<10	130	0.7	<2	0.26	0.8	22	68	92	3.94
S232090		0.50	0.007	0.3	2.16	30	<10	140	0.6	<2	0.40	<0.5	9	41	82	2.75
S232091		0.36	<0.005	0.6	1.65	14	<10	170	0.9	<2	0.23	0.5	5	26	70	2.21
S232092		0.51	0.038	<0.2	2.02	45	<10	120	0.7	<2	0.25	0.5	9	42	82	3.86
S232093		0.45	<0.005	0.2	1.89	27	<10	110	0.6	<2	0.24	0.6	8	31	42	2.81
S232094		0.54	<0.005	<0.2	2.75	17	<10	150	0.8	3	0.16	<0.5	12	38	23	3.57
S232095		0.46	<0.005	0.3	1.90	17	<10	140	<0.5	<2	0.18	<0.5	6	32	24	3.51
S232096		0.48	<0.005	0.4	1.58	18	<10	110	0.5	2	0.25	<0.5	5	39	48	3.06
S232097		0.46	<0.005	0.2	1.63	20	<10	160	0.6	2	0.36	0.5	9	32	61	2.74
S232098		0.32	<0.005	0.4	1.57	20	<10	440	<0.5	<2	0.18	0.6	6	28	26	2.86
S232099		0.48	<0.005	0.9	2.43	22	<10	600	0.8	<2	0.21	0.8	11	40	44	3.47
S232100		0.05	<0.005	<0.2	0.01	2	<10	<10	<0.5	<2	0.01	<0.5	<1	1	<1	0.03
S232101		0.42	<0.005	<0.2	2.32	6	<10	130	0.5	3	0.30	<0.5	8	23	14	2.45
S232102		0.51	<0.005	<0.2	1.91	6	<10	120	<0.5	2	0.30	<0.5	9	32	23	2.71
S232103		0.34	<0.005	<0.2	2.52	9	<10	140	0.6	4	0.19	<0.5	11	32	23	3.23
S232104		0.39	<0.005	<0.2	2.02	6	<10	120	<0.5	3	0.29	<0.5	11	28	38	2.79
S232105		0.45	<0.005	<0.2	1.39	4	<10	80	<0.5	<2	0.24	<0.5	8	23	17	2.09
S232106		0.46	0.006	<0.2	2.00	6	<10	100	0.5	<2	0.22	<0.5	9	25	23	2.40
S232107		0.33	0.006	<0.2	1.67	6	<10	80	0.6	<2	0.19	<0.5	9	25	20	2.07
S232108		0.44	<0.005	<0.2	1.51	5	<10	80	<0.5	<2	0.23	<0.5	8	24	19	2.11
S232109		0.41	<0.005	<0.2	1.79	6	<10	110	<0.5	<2	0.17	<0.5	7	27	24	2.47
S232110		0.39	<0.005	<0.2	2.04	8	<10	80	<0.5	<2	0.23	<0.5	9	31	18	2.64
S232111		0.43	<0.005	<0.2	1.40	4	<10	60	<0.5	<2	0.17	<0.5	7	24	13	2.07
S232112		0.50	<0.005	<0.2	2.38	11	<10	70	0.5	<2	0.16	<0.5	10	36	23	3.24
S232113		0.45	<0.005	<0.2	1.87	4	<10	110	0.9	<2	0.35	<0.5	11	28	23	2.54
S232114		0.52	0.005	<0.2	1.38	6	<10	90	0.6	<2	0.27	<0.5	8	23	19	2.07
S232115		0.33	<0.005	<0.2	2.45	9	<10	110	0.7	<2	0.24	<0.5	9	35	24	3.47
S232116		0.49	<0.005	<0.2	1.84	4	<10	100	1.1	<2	0.44	<0.5	11	35	18	2.98
S232117		0.43	<0.005	<0.2	1.97	7	<10	100	1.1	<2	0.37	<0.5	9	32	24	3.36
S232118		0.52	0.014	<0.2	1.76	9	<10	120	0.9	<2	0.32	<0.5	11	35	31	2.95
S232119		0.44	0.009	<0.2	1.60	4	<10	50	2.1	<2	0.33	<0.5	5	16	15	2.38
S232120		0.41	<0.005	<0.2	1.54	12	<10	60	<0.5	<2	0.11	<0.5	7	27	22	3.55
S232121		0.29	0.006	<0.2	2.01	12	<10	80	0.5	<2	0.14	<0.5	8	29	25	4.11
S232122		0.42	<0.005	<0.2	1.83	5	<10	150	0.7	<2	0.34	<0.5	8	28	17	2.42
S232123		0.35	<0.005	<0.2	1.50	4	<10	120	0.8	<2	0.23	0.5	8	20	31	1.65
S232124		0.46	<0.005	<0.2	1.72	11	<10	110	1.1	<2	0.37	<0.5	9	24	20	2.45
S232125		0.37	<0.005	<0.2	1.65	11	<10	110	1.1	<2	0.36	<0.5	9	24	20	2.40
S232126		0.46	<0.005	<0.2	1.50	4	<10	90	1.0	<2	0.40	<0.5	7	26	16	2.37
S232127		0.45	<0.005	<0.2	1.57	15	<10	100	0.7	<2	0.12	<0.5	6	19	16	3.11
S232128		0.37	<0.005	<0.2	2.23	9	<10	100	1.1	<2	0.19	<0.5	8	27	15	3.56

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S232089		10	<1	0.12	10	0.64	1860	6	0.01	53	1090	19	0.02	2	3	22
S232090		10	<1	0.09	20	0.75	368	2	0.01	29	1290	16	0.01	<2	4	22
S232091		10	1	0.07	20	0.34	157	2	0.01	19	610	13	0.04	2	1	31
S232092		10	<1	0.18	10	0.60	473	3	0.01	35	650	11	0.01	<2	4	26
S232093		10	<1	0.05	10	0.49	254	1	0.01	32	540	8	0.01	<2	3	21
S232094		10	<1	0.06	10	0.55	303	<1	0.01	30	370	12	0.01	2	4	15
S232095		10	<1	0.05	10	0.37	181	1	0.01	18	330	12	0.01	2	3	20
S232096		10	<1	0.18	10	0.41	311	3	0.01	19	1670	10	0.15	2	3	29
S232097		10	<1	0.10	10	0.53	354	2	0.01	32	1380	5	0.06	<2	3	33
S232098		10	<1	0.07	10	0.42	186	2	<0.01	19	420	8	0.02	<2	2	22
S232099		10	<1	0.06	10	0.51	430	2	0.01	39	510	9	0.02	2	4	26
S232100		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.02	<2	<1	1
S232101		10	<1	0.08	10	0.55	364	<1	0.01	14	550	6	0.01	<2	3	43
S232102		10	<1	0.08	10	0.60	434	1	0.01	20	810	9	0.01	<2	4	23
S232103		10	<1	0.05	10	0.55	295	<1	0.01	25	470	8	0.02	<2	3	20
S232104		10	<1	0.09	10	0.53	375	<1	0.01	19	580	8	0.01	<2	3	38
S232105		10	<1	0.05	10	0.43	280	<1	0.01	14	640	5	0.02	<2	2	22
S232106		10	<1	0.05	10	0.44	322	<1	0.01	20	720	6	0.03	<2	2	21
S232107		<10	<1	0.05	10	0.48	396	<1	0.01	18	440	7	0.03	<2	2	20
S232108		10	<1	0.05	10	0.48	299	<1	0.01	15	610	6	0.03	<2	2	26
S232109		10	<1	0.04	10	0.41	222	1	0.01	17	430	11	0.04	2	2	24
S232110		10	<1	0.06	10	0.52	298	<1	0.01	21	520	5	0.03	<2	3	21
S232111		10	<1	0.05	10	0.46	304	<1	0.01	14	340	4	0.03	<2	2	18
S232112		10	<1	0.05	10	0.59	369	1	0.01	21	520	9	0.05	<2	3	16
S232113		10	<1	0.06	20	0.62	613	<1	0.01	18	980	17	0.02	<2	3	25
S232114		10	<1	0.06	10	0.39	390	<1	0.01	14	730	6	0.05	<2	2	26
S232115		10	<1	0.05	10	0.53	354	1	0.01	19	450	15	0.03	<2	3	26
S232116		10	<1	0.06	30	0.79	399	<1	0.02	24	1040	11	0.02	<2	3	54
S232117		10	<1	0.09	30	0.57	553	1	0.01	19	850	18	0.05	2	2	32
S232118		10	<1	0.06	20	0.59	549	<1	0.02	22	970	10	0.04	<2	3	24
S232119		10	<1	0.10	100	0.28	448	1	0.01	10	470	33	0.02	<2	2	22
S232120		10	<1	0.04	10	0.26	305	2	0.01	16	330	13	0.03	2	2	13
S232121		10	<1	0.04	10	0.32	243	2	0.01	18	440	14	0.03	3	2	18
S232122		10	<1	0.05	20	0.56	363	<1	0.02	19	890	10	0.03	<2	3	29
S232123		10	<1	0.08	30	0.28	413	<1	0.02	13	550	9	0.04	<2	2	26
S232124		10	<1	0.09	20	0.42	438	<1	0.02	16	830	9	0.02	<2	3	31
S232125		10	<1	0.09	20	0.41	441	<1	0.02	16	800	12	0.02	<2	3	31
S232126		10	<1	0.09	20	0.45	354	<1	0.02	16	840	14	0.02	<2	3	37
S232127		10	<1	0.08	20	0.28	216	1	0.02	10	310	23	0.03	2	2	19
S232128		10	<1	0.08	10	0.37	372	1	0.02	15	390	21	0.03	<2	3	21

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S232089		<20	0.12	<10	<10	110	<10	129
S232090		<20	0.12	<10	<10	82	<10	88
S232091		<20	0.05	<10	<10	58	<10	51
S232092		<20	0.14	<10	<10	108	<10	108
S232093		<20	0.10	<10	<10	68	<10	81
S232094		<20	0.12	<10	<10	80	<10	102
S232095		<20	0.11	<10	<10	92	<10	48
S232096		<20	0.10	<10	<10	154	<10	49
S232097		<20	0.10	<10	<10	80	<10	77
S232098		<20	0.09	<10	<10	83	<10	70
S232099		<20	0.11	<10	<10	83	<10	114
S232100		<20	<0.01	<10	<10	1	<10	<2
S232101		<20	0.03	<10	<10	47	<10	39
S232102		<20	0.13	<10	<10	64	<10	54
S232103		<20	0.10	<10	<10	59	<10	43
S232104		<20	0.12	<10	<10	58	<10	47
S232105		<20	0.08	<10	<10	49	<10	40
S232106		<20	0.08	<10	<10	53	<10	48
S232107		<20	0.08	<10	<10	47	<10	48
S232108		<20	0.09	<10	<10	50	<10	42
S232109		<20	0.08	<10	<10	59	<10	60
S232110		<20	0.10	<10	<10	62	<10	50
S232111		<20	0.09	<10	<10	48	<10	44
S232112		<20	0.10	<10	<10	68	<10	62
S232113		<20	0.10	<10	<10	55	<10	68
S232114		<20	0.07	<10	<10	49	<10	52
S232115		<20	0.07	<10	<10	76	<10	74
S232116		<20	0.08	<10	<10	58	<10	63
S232117		<20	0.08	<10	<10	71	<10	78
S232118		<20	0.08	<10	<10	69	<10	68
S232119		20	0.02	<10	<10	33	<10	70
S232120		<20	0.10	<10	<10	93	<10	56
S232121		<20	0.14	<10	<10	99	<10	59
S232122		<20	0.11	<10	<10	57	<10	54
S232123		<20	0.06	<10	<10	39	<10	57
S232124		<20	0.12	<10	<10	53	<10	73
S232125		<20	0.11	<10	<10	51	<10	73
S232126		<20	0.12	<10	<10	52	<10	77
S232127		<20	0.09	<10	<10	60	<10	76
S232128		<20	0.12	<10	<10	65	<10	70

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S232129		0.39	<0.005	<0.2	1.01	17	<10	40	<0.5	<2	0.16	<0.5	5	22	14	2.68
S232130		0.46	<0.005	<0.2	1.83	7	<10	100	0.6	<2	0.42	<0.5	10	37	19	2.86
S232131		0.39	<0.005	<0.2	2.21	9	<10	130	1.0	<2	0.42	<0.5	11	36	17	3.02
S232132		0.26	0.008	0.2	2.50	9	<10	90	0.9	<2	0.32	<0.5	12	32	24	3.17
S232133		0.40	<0.005	<0.2	2.32	11	<10	120	0.8	<2	0.24	<0.5	12	40	23	3.26
S232134		0.53	<0.005	<0.2	2.65	11	<10	100	0.5	<2	0.18	<0.5	13	37	30	3.43
S232135		0.41	<0.005	<0.2	1.64	13	<10	90	0.5	<2	0.18	<0.5	7	29	21	3.58
S232136		0.43	<0.005	<0.2	2.36	9	<10	110	0.8	<2	0.23	<0.5	11	32	27	2.75
S232137		0.38	0.009	0.4	3.40	15	<10	150	1.3	<2	0.21	<0.5	12	44	29	4.27
S232138		0.32	<0.005	0.2	2.56	12	<10	170	1.3	<2	0.33	<0.5	11	36	24	3.36
S232139		0.45	<0.005	<0.2	1.97	8	<10	140	0.9	<2	0.32	<0.5	11	32	18	2.78
S232140		0.46	<0.005	0.3	1.58	30	<10	900	<0.5	<2	0.21	0.5	10	36	24	3.76
S232141		0.49	<0.005	0.7	3.29	22	<10	220	0.7	<2	0.19	<0.5	18	45	55	3.28
S232142		0.39	0.005	0.2	1.04	18	<10	120	<0.5	<2	0.14	<0.5	6	23	30	2.87
S232143		0.52	<0.005	0.3	1.01	127	<10	170	<0.5	3	0.17	<0.5	5	25	43	2.39
S232144		0.33	<0.005	0.3	1.09	20	<10	220	<0.5	<2	0.15	<0.5	11	24	55	2.97
S232145		0.50	<0.005	0.3	1.99	157	<10	190	0.5	<2	0.14	<0.5	11	44	44	3.77
S232146		0.49	<0.005	0.2	1.96	44	<10	90	<0.5	<2	0.11	<0.5	9	34	27	3.53
S232147		0.51	<0.005	<0.2	1.90	37	<10	100	0.5	<2	0.12	<0.5	9	34	28	3.55
S232148		0.53	0.011	0.2	2.06	30	<10	100	0.5	<2	0.13	<0.5	10	35	24	3.68
S232149		0.41	<0.005	0.2	2.15	17	<10	100	0.6	<2	0.15	<0.5	8	36	25	3.29
S232150		0.06	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	1	<1	0.03
S232151		0.38	<0.005	0.4	3.04	55	<10	170	0.5	<2	0.15	<0.5	13	46	38	3.59
S232152		0.51	<0.005	<0.2	2.90	13	<10	150	0.8	<2	0.18	0.5	13	41	30	3.19
S232153		0.50	<0.005	0.3	2.16	19	<10	260	0.7	<2	0.18	<0.5	10	42	25	4.26
S232154		0.49	<0.005	<0.2	2.16	10	<10	120	0.6	<2	0.17	<0.5	12	35	48	3.09
S232155		0.47	<0.005	<0.2	3.14	11	<10	140	0.8	<2	0.21	<0.5	15	54	70	3.97
S232156		0.49	<0.005	<0.2	2.28	16	<10	130	0.6	<2	0.12	<0.5	10	49	28	4.54
S232157		0.40	<0.005	<0.2	1.05	6	<10	100	<0.5	<2	0.30	<0.5	6	19	41	1.77
S232158		0.44	0.005	0.5	1.28	7	<10	150	0.5	<2	0.71	<0.5	16	30	73	2.11
S232159		0.40	<0.005	0.6	3.23	14	<10	230	0.7	<2	0.32	<0.5	14	45	125	4.21
S232160		0.60	<0.005	0.3	2.73	14	<10	140	0.6	<2	0.24	<0.5	11	42	42	3.82
S232161		0.40	<0.005	0.3	1.66	5	<10	370	<0.5	<2	0.25	0.7	15	28	40	2.63
S232162		0.34	<0.005	<0.2	1.80	9	<10	120	<0.5	<2	0.23	<0.5	13	29	58	2.76
S232163		0.47	<0.005	0.2	2.45	11	<10	130	0.7	<2	0.42	<0.5	12	45	218	3.34
S232164		0.43	<0.005	<0.2	1.75	7	<10	120	<0.5	<2	0.47	<0.5	9	34	97	2.38
S232165		0.53	0.018	<0.2	1.93	8	<10	150	<0.5	<2	0.52	<0.5	12	45	99	2.76
S232166		0.43	0.005	0.2	1.33	4	<10	130	<0.5	<2	0.42	<0.5	6	28	118	1.62
S232167		0.50	0.005	<0.2	2.13	17	<10	180	0.7	<2	0.61	<0.5	16	59	62	3.90
S232168		0.61	0.022	<0.2	2.17	11	<10	230	0.6	2	0.65	<0.5	12	52	101	2.77

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S232129		10	<1	0.06	10	0.25	192	2	0.01	10	260	11	0.02	<2	2	17
S232130		10	<1	0.06	20	0.67	334	<1	0.02	20	800	10	0.03	<2	4	30
S232131		10	<1	0.08	20	0.74	468	<1	0.02	25	850	11	0.02	<2	5	32
S232132		10	<1	0.05	10	0.61	344	1	0.01	25	710	8	0.04	<2	3	29
S232133		10	<1	0.05	10	0.64	396	<1	0.01	24	430	10	0.03	<2	4	21
S232134		10	<1	0.06	10	0.60	374	1	0.01	28	490	8	0.04	<2	3	15
S232135		10	<1	0.04	10	0.38	232	1	0.01	19	380	13	0.04	<2	2	22
S232136		10	<1	0.05	10	0.58	441	1	0.01	25	550	15	0.05	<2	3	20
S232137		10	<1	0.06	10	0.63	408	1	0.01	28	370	27	0.03	<2	5	24
S232138		10	<1	0.07	30	0.63	422	1	0.02	24	600	24	0.03	<2	4	31
S232139		10	<1	0.06	20	0.60	506	<1	0.01	18	640	15	0.02	<2	4	22
S232140		10	<1	0.06	10	0.43	414	2	0.01	26	680	9	0.06	<2	2	24
S232141		10	<1	0.08	10	0.68	306	1	0.01	48	400	11	0.03	<2	5	18
S232142		10	<1	0.05	10	0.21	191	3	0.01	19	380	9	0.03	<2	2	16
S232143		10	<1	0.06	10	0.22	149	3	0.01	15	700	11	0.10	<2	1	26
S232144		10	<1	0.05	10	0.20	469	2	0.01	20	510	9	0.04	<2	1	20
S232145		10	<1	0.09	10	0.52	370	2	0.01	29	560	7	0.10	3	3	19
S232146		10	<1	0.06	10	0.45	385	2	0.01	22	640	10	0.07	2	2	16
S232147		10	<1	0.08	10	0.46	490	2	0.01	23	630	9	0.06	2	3	15
S232148		10	<1	0.06	10	0.50	423	2	0.01	23	590	11	0.05	2	2	17
S232149		10	<1	0.05	10	0.42	434	2	0.01	25	590	13	0.05	<2	2	19
S232150		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	20	<2	0.03	<2	<1	1
S232151		10	<1	0.09	10	0.63	295	2	0.01	35	630	7	0.06	<2	4	14
S232152		10	<1	0.08	10	0.63	340	1	0.01	33	310	24	0.02	2	4	15
S232153		10	<1	0.07	10	0.72	389	2	0.01	38	580	11	0.04	2	3	17
S232154		10	<1	0.05	10	0.54	519	3	0.01	26	430	7	0.03	<2	3	17
S232155		10	<1	0.23	10	0.96	437	2	0.01	41	460	8	0.03	<2	5	19
S232156		10	<1	0.12	10	0.79	376	3	0.01	26	460	10	0.03	<2	5	12
S232157		<10	<1	0.04	10	0.34	194	<1	0.02	12	640	4	0.01	<2	2	22
S232158		<10	<1	0.04	10	0.37	1790	1	0.03	19	1030	4	0.06	3	3	46
S232159		10	<1	0.12	10	0.73	380	1	0.01	37	560	11	0.02	<2	5	32
S232160		10	<1	0.09	10	0.71	342	1	0.01	26	430	12	0.01	<2	4	28
S232161		10	<1	0.06	10	0.38	2580	<1	0.02	17	730	9	0.02	<2	2	34
S232162		10	<1	0.08	10	0.49	669	<1	0.01	17	440	7	0.01	<2	3	23
S232163		10	<1	0.06	10	0.81	440	1	0.01	27	500	8	0.01	3	5	34
S232164		10	<1	0.07	10	0.57	400	1	0.02	20	560	5	0.02	<2	3	32
S232165		10	<1	0.07	10	0.79	403	<1	0.01	26	580	6	0.01	<2	5	36
S232166		10	<1	0.05	10	0.36	213	<1	0.03	16	670	4	0.03	2	3	27
S232167		10	<1	0.06	20	0.62	452	1	0.02	35	590	9	0.01	<2	8	34
S232168		10	<1	0.07	20	0.72	227	<1	0.02	29	780	8	0.02	<2	6	39

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S232129		<20	0.19	<10	<10	105	<10	51
S232130		<20	0.14	<10	<10	78	<10	59
S232131		<20	0.14	<10	<10	71	<10	70
S232132		<20	0.12	<10	<10	66	<10	55
S232133		<20	0.13	<10	<10	79	<10	62
S232134		<20	0.12	<10	<10	79	<10	56
S232135		<20	0.11	<10	<10	89	<10	60
S232136		<20	0.10	<10	<10	63	<10	72
S232137		<20	0.14	<10	<10	92	<10	77
S232138		<20	0.13	<10	<10	80	<10	81
S232139		<20	0.12	<10	<10	65	<10	76
S232140		<20	0.10	<10	<10	99	<10	96
S232141		<20	0.11	<10	<10	76	<10	76
S232142		<20	0.10	<10	<10	125	<10	65
S232143		<20	0.06	<10	<10	75	<10	43
S232144		<20	0.08	<10	<10	99	<10	69
S232145		<20	0.11	<10	<10	77	<10	62
S232146		<20	0.09	<10	<10	81	<10	68
S232147		<20	0.09	<10	<10	82	<10	66
S232148		<20	0.09	<10	<10	83	<10	77
S232149		<20	0.08	<10	<10	76	<10	102
S232150		<20	<0.01	<10	<10	<1	<10	<2
S232151		<20	0.11	<10	<10	88	<10	66
S232152		<20	0.10	<10	<10	72	<10	91
S232153		<20	0.12	<10	<10	238	<10	91
S232154		<20	0.10	<10	<10	76	<10	66
S232155		<20	0.17	<10	<10	98	<10	79
S232156		<20	0.18	<10	<10	114	<10	77
S232157		<20	0.07	<10	<10	56	<10	35
S232158		<20	0.06	<10	<10	58	<10	32
S232159		<20	0.14	<10	<10	100	<10	72
S232160		<20	0.11	<10	<10	89	<10	69
S232161		<20	0.08	<10	<10	64	<10	73
S232162		<20	0.10	<10	<10	79	<10	59
S232163		<20	0.11	<10	<10	85	<10	65
S232164		<20	0.08	<10	<10	63	<10	53
S232165		<20	0.12	<10	<10	76	<10	61
S232166		<20	0.06	<10	<10	45	<10	36
S232167		<20	0.13	<10	<10	85	<10	71
S232168		<20	0.12	<10	<10	90	<10	82

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
S232169		0.48	0.025	0.2	2.01	7	<10	190	0.6	<2	0.69	<0.5	12	45	56	2.43
S232170		0.41	0.024	0.8	2.26	7	<10	550	0.9	<2	0.91	1.3	16	43	104	2.52
S232171		0.33	<0.005	0.6	2.37	6	<10	380	0.8	<2	0.95	0.5	10	30	89	2.07
S232172		0.44	0.005	0.2	1.65	6	<10	130	0.5	<2	0.60	<0.5	8	28	102	2.07
S232173		0.35	<0.005	0.2	1.75	4	<10	120	<0.5	<2	0.27	<0.5	7	21	94	1.90
S232174		0.53	0.008	0.5	1.53	5	<10	100	0.5	<2	0.33	<0.5	8	25	265	2.00
S232175		0.49	0.010	0.4	1.36	5	<10	90	<0.5	<2	0.31	<0.5	7	22	223	1.86
S232176		0.42	0.005	0.2	1.16	5	<10	110	<0.5	<2	0.26	0.5	6	23	25	1.82
S232177		0.29	<0.005	0.3	0.80	3	<10	70	0.6	<2	0.35	<0.5	3	9	27	0.88
S232178		0.38	0.005	0.2	1.36	10	<10	130	<0.5	<2	0.61	2.1	14	28	21	2.41
S232179		0.45	<0.005	0.2	1.99	14	<10	110	<0.5	<2	0.42	<0.5	9	39	32	3.01
S232180		0.44	<0.005	<0.2	1.52	8	<10	110	<0.5	<2	0.32	0.5	11	28	32	2.36
S232181		0.43	0.005	0.3	2.11	15	<10	160	0.7	<2	1.33	<0.5	14	40	50	2.30
S232182		0.42	<0.005	0.5	2.69	15	<10	190	0.9	<2	0.72	<0.5	14	49	57	3.85
S232183		0.44	<0.005	0.4	2.34	10	<10	190	1.1	<2	0.78	0.5	17	36	98	3.17
S232184		0.44	<0.005	0.2	1.46	8	<10	120	<0.5	<2	0.35	<0.5	5	26	34	2.38
S232185		0.48	0.007	<0.2	1.46	5	<10	170	<0.5	<2	1.06	0.5	10	33	29	2.17
S232186		0.39	<0.005	<0.2	0.52	5	<10	130	<0.5	<2	1.69	<0.5	19	13	46	1.23
S232187		0.41	<0.005	<0.2	1.54	9	<10	150	<0.5	<2	0.48	<0.5	10	35	34	2.12
S232188		0.49	0.010	0.5	1.86	7	<10	210	0.5	<2	0.67	<0.5	9	34	107	2.01
S232189		0.41	0.061	0.3	1.97	11	<10	140	0.5	3	0.66	<0.5	12	50	75	2.93
S232190		0.48	0.005	<0.2	1.91	8	<10	120	<0.5	<2	0.95	<0.5	12	44	52	2.78
S232191		0.34	0.008	0.3	1.79	11	<10	200	0.6	<2	1.39	<0.5	12	47	79	2.67
S232192		0.45	0.009	<0.2	1.87	14	<10	420	0.5	<2	1.08	0.7	15	51	37	2.57
S232193		0.46	0.014	0.5	2.02	17	<10	220	0.7	<2	0.70	<0.5	8	35	1105	2.88
S232194		0.42	<0.005	<0.2	1.86	5	<10	180	<0.5	<2	1.32	<0.5	11	48	26	2.43
S232195		0.55	<0.005	<0.2	1.27	9	<10	110	<0.5	<2	0.38	<0.5	9	23	30	1.88
S232196		0.44	<0.005	<0.2	1.02	7	<10	100	<0.5	<2	0.49	<0.5	12	18	17	1.86
S232197		0.44	<0.005	<0.2	2.08	7	<10	170	0.5	<2	0.33	<0.5	11	43	25	2.80
S232198		0.20	<0.005	0.4	1.04	12	<10	110	<0.5	<2	0.13	0.8	5	20	24	2.26
S232199		0.38	<0.005	0.2	1.02	6	<10	420	<0.5	<2	0.22	1.6	6	17	40	1.39
S232200		0.05	<0.005	<0.2	0.01	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	1	<1	0.03
S231941		0.38	<0.005	<0.2	2.37	13	<10	160	0.5	<2	0.22	<0.5	13	38	20	3.41
S231942		0.42	0.062	<0.2	2.09	5	<10	210	0.5	<2	0.50	<0.5	13	37	27	3.26
S231943		0.41	<0.005	<0.2	2.45	6	<10	180	0.6	<2	0.33	<0.5	16	40	23	3.18
S231944		0.37	<0.005	<0.2	2.30	7	<10	130	0.5	<2	0.22	<0.5	11	34	33	2.67
S231945		0.43	<0.005	<0.2	2.12	12	<10	120	0.5	<2	0.18	<0.5	9	35	20	3.64
S231946		0.40	<0.005	<0.2	1.99	4	<10	150	0.6	<2	0.41	<0.5	9	35	23	2.26
S231947		0.41	<0.005	<0.2	2.34	9	<10	130	0.5	<2	0.15	<0.5	10	31	17	2.87
S231948		0.41	<0.005	<0.2	2.51	10	<10	100	0.5	<2	0.14	<0.5	10	34	18	3.45

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VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
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Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S232169		10	<1	0.07	20	0.63	427	<1	0.02	30	820	5	0.03	2	5	40
S232170		10	<1	0.07	20	0.47	1435	1	0.02	39	1380	6	0.07	<2	4	59
S232171		10	<1	0.09	20	0.31	502	<1	0.03	27	1230	4	0.10	<2	3	76
S232172		10	<1	0.07	10	0.37	342	<1	0.02	21	830	3	0.04	<2	3	40
S232173		10	<1	0.05	10	0.29	191	<1	0.03	16	510	3	0.02	<2	2	21
S232174		10	<1	0.05	10	0.39	304	<1	0.02	18	560	3	0.02	<2	3	25
S232175		10	<1	0.05	10	0.35	260	<1	0.02	17	550	3	0.02	<2	2	24
S232176		10	<1	0.08	10	0.32	256	<1	0.01	13	330	7	0.01	<2	2	21
S232177		<10	<1	0.04	10	0.10	202	<1	0.04	6	690	2	0.05	<2	1	24
S232178		10	<1	0.11	10	0.40	638	1	0.02	17	660	10	0.02	<2	2	44
S232179		10	<1	0.10	10	0.59	247	1	0.01	26	440	10	0.02	<2	3	39
S232180		10	<1	0.08	10	0.37	848	1	0.02	17	370	6	0.01	<2	3	27
S232181		10	<1	0.12	10	0.53	693	<1	0.02	35	910	6	0.06	<2	4	60
S232182		10	<1	0.13	10	0.74	502	1	0.02	31	480	13	0.02	<2	5	46
S232183		10	<1	0.11	10	0.53	1205	1	0.02	25	580	11	0.02	<2	3	48
S232184		10	<1	0.06	10	0.36	166	<1	0.01	14	330	10	0.01	<2	2	27
S232185		10	<1	0.08	10	0.44	426	<1	0.02	19	1060	8	0.06	2	4	44
S232186		<10	<1	0.02	10	0.20	2070	<1	0.03	19	1070	3	0.10	<2	1	50
S232187		10	<1	0.06	10	0.46	283	<1	0.02	19	410	5	0.02	<2	3	26
S232188		10	<1	0.06	10	0.38	372	<1	0.03	26	910	4	0.06	<2	4	42
S232189		10	<1	0.09	10	0.69	364	<1	0.02	30	790	8	0.03	<2	5	37
S232190		10	<1	0.06	10	0.76	351	<1	0.02	20	1010	7	0.03	<2	5	55
S232191		10	<1	0.06	10	0.61	479	<1	0.02	26	1000	8	0.08	2	5	69
S232192		10	<1	0.08	10	0.68	529	<1	0.03	31	1120	8	0.04	<2	5	56
S232193		10	<1	0.09	20	0.39	237	<1	0.02	28	460	4	0.03	<2	4	33
S232194		10	<1	0.06	10	0.75	549	<1	0.04	25	930	9	0.05	<2	5	39
S232195		10	<1	0.04	10	0.29	235	<1	0.02	19	480	7	0.02	<2	2	28
S232196		<10	<1	0.03	10	0.27	304	<1	0.03	15	630	4	0.02	<2	2	22
S232197		10	<1	0.17	10	0.62	410	<1	0.03	27	510	8	0.02	<2	4	28
S232198		10	<1	0.04	<10	0.21	186	2	0.02	14	630	5	0.02	<2	1	15
S232199		<10	<1	0.05	10	0.18	430	1	0.02	13	480	6	0.02	<2	1	23
S232200		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.02	<2	<1	<1
S231941		10	<1	0.07	10	0.55	305	1	0.01	28	300	10	0.02	2	3	25
S231942		10	<1	0.07	10	0.83	459	2	0.04	28	1180	7	0.02	<2	3	59
S231943		10	<1	0.07	10	0.80	453	<1	0.02	26	860	9	0.02	<2	3	50
S231944		10	<1	0.07	10	0.62	358	<1	0.01	25	550	5	0.03	<2	3	30
S231945		10	<1	0.06	10	0.52	291	2	0.01	20	470	9	0.04	<2	3	25
S231946		10	<1	0.07	20	0.72	202	1	0.02	18	840	9	0.02	<2	5	71
S231947		10	<1	0.06	10	0.47	266	1	0.01	22	370	14	0.02	<2	3	20
S231948		10	<1	0.07	10	0.59	320	1	0.01	23	490	8	0.03	<2	3	22

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S232169		<20	0.10	<10	<10	68	<10	61
S232170		<20	0.06	<10	<10	77	<10	75
S232171		<20	0.04	<10	<10	45	<10	41
S232172		<20	0.06	<10	<10	58	<10	38
S232173		<20	0.07	<10	<10	54	<10	33
S232174		<20	0.08	<10	<10	64	<10	38
S232175		<20	0.07	<10	<10	59	<10	35
S232176		<20	0.10	<10	<10	57	<10	39
S232177		<20	0.03	<10	<10	21	<10	14
S232178		<20	0.09	<10	<10	77	<10	70
S232179		<20	0.11	<10	<10	95	<10	64
S232180		<20	0.09	<10	<10	68	<10	50
S232181		<20	0.08	<10	<10	66	<10	56
S232182		<20	0.12	<10	<10	100	<10	78
S232183		<20	0.08	<10	<10	79	<10	76
S232184		<20	0.10	<10	<10	77	<10	48
S232185		<20	0.09	<10	<10	60	<10	78
S232186		<20	0.03	<10	<10	38	<10	21
S232187		<20	0.09	<10	<10	60	<10	56
S232188		<20	0.06	<10	<10	51	<10	53
S232189		<20	0.11	<10	<10	71	<10	71
S232190		<20	0.13	<10	<10	78	<10	57
S232191		<20	0.10	<10	<10	77	<10	60
S232192		<20	0.11	<10	<10	108	<10	132
S232193		<20	0.09	<10	<10	87	<10	62
S232194		<20	0.14	<10	<10	64	<10	69
S232195		<20	0.09	<10	<10	61	<10	43
S232196		<20	0.07	<10	<10	54	<10	42
S232197		<20	0.16	<10	<10	75	<10	63
S232198		<20	0.08	<10	<10	108	<10	85
S232199		<20	0.05	<10	<10	60	<10	52
S232200		<20	<0.01	<10	<10	<1	<10	2
S231941		<20	0.11	<10	<10	76	<10	56
S231942		<20	0.14	<10	<10	77	<10	62
S231943		<20	0.11	<10	<10	67	<10	53
S231944		<20	0.11	<10	<10	63	10	47
S231945		<20	0.11	<10	<10	79	10	64
S231946		<20	0.09	<10	<10	59	<10	47
S231947		<20	0.07	<10	<10	63	<10	45
S231948		<20	0.08	<10	<10	74	<10	56

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
S231949		0.40	<0.005	<0.2	2.27	11	<10	120	0.6	<2	0.22	<0.5	13	36	16	3.59
S231950		0.12	<0.005	<0.2	0.02	<2	<10	<10	<0.5	<2	0.01	<0.5	<1	1	<1	0.03

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Finalized Date: 17-AUG-2015
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Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
S231949		10	<1	0.08	10	0.58	460	<1	0.01	24	620	10	0.02	<2	3	23
S231950		<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	10	<2	0.02	<2	<1	<1

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1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
S231949		<20	0.09	<10	<10	74	<10	55
S231950		<20	<0.01	<10	<10	<1	<10	<2

***** See Appendix Page for comments regarding this certificate *****

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1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 17-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116333

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:			
LOG-21	LOG-23	SCR-41	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	
Au-AA23	ME-ICP41

ALS Canada Ltd.

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 11-AUG-2015
Account: EIASUM

CERTIFICATE WH15113516

Project: SUM15-01

P.O. No.: SUM15-01_02

This report is for 41 Rock samples submitted to our lab in Whitehorse, YT, Canada on 30-JUL-2015.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL	THOMAS BRANSON	SUMAC MINES

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
BAG-01	Bulk Master for Storage
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

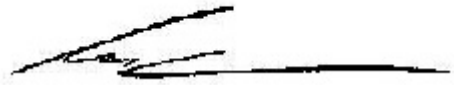
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **EQUITY EXPLORATION CONSULTANTS LTD.**
ATTN: THOMAS BRANSON
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 11-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113516

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
Q930001		1.06	<0.005	<0.2	4.69	9	10	120	1.4	<2	2.38	0.5	13	67	50	3.71
Q930002		1.05	<0.005	<0.2	1.11	3	<10	100	<0.5	<2	0.55	0.7	6	16	23	2.20
Q930003		0.89	<0.005	<0.2	0.45	<2	<10	30	0.8	<2	0.04	<0.5	1	3	7	1.18
Q930004		1.31	<0.005	<0.2	3.35	2	<10	100	0.7	<2	3.45	<0.5	20	11	19	5.89
Q930005		0.83	<0.005	<0.2	2.54	3	<10	180	1.1	<2	0.23	<0.5	12	82	45	3.77
Q930006		1.27	0.030	1.5	1.53	27	<10	10	<0.5	<2	1.19	<0.5	51	5	1700	10.80
Q930007		1.15	<0.005	<0.2	6.80	14	<10	180	1.5	<2	4.11	<0.5	11	59	113	4.37
Q930008		1.01	0.005	0.2	6.01	14	<10	40	1.0	<2	4.41	<0.5	22	19	421	3.72
Q929901		0.70	<0.005	1.6	0.62	9	<10	20	1.0	5	0.04	<0.5	3	6	14	3.27
Q929902		0.98	<0.005	<0.2	1.62	11	<10	90	0.7	2	0.12	<0.5	6	40	18	2.76
Q929903		0.64	<0.005	<0.2	3.86	<2	<10	190	1.2	<2	0.13	<0.5	20	91	11	5.28
Q929904		0.54	<0.005	<0.2	0.68	9	<10	50	<0.5	2	0.21	<0.5	4	24	37	1.36
Q929905		0.53	<0.005	0.8	0.29	36	<10	10	0.5	<2	0.01	<0.5	1	4	10	2.71
Q929906		0.42	<0.005	<0.2	1.74	<2	<10	150	0.9	<2	0.97	<0.5	4	3	26	3.94
Q929907		0.86	<0.005	<0.2	2.13	2	<10	180	1.3	<2	0.20	<0.5	10	70	21	2.97
Q929908		0.80	<0.005	<0.2	0.40	16	<10	30	0.5	2	0.02	<0.5	<1	5	7	0.68
Q929909		0.90	<0.005	0.2	0.14	12	<10	40	<0.5	<2	0.01	<0.5	1	15	24	0.79
Q929910		0.60	<0.005	0.5	0.44	23	<10	60	<0.5	<2	0.03	<0.5	1	18	36	1.42
Q929911		0.56	<0.005	0.9	0.33	24	<10	110	<0.5	<2	0.01	<0.5	2	15	76	1.37
Q929912		0.52	<0.005	<0.2	0.22	27	<10	40	<0.5	<2	0.13	<0.5	<1	15	8	0.84
Q929913		0.58	<0.005	0.2	0.50	729	<10	80	<0.5	<2	0.07	0.5	3	30	46	1.43
Q929914		0.55	<0.005	<0.2	0.61	3	<10	40	0.5	<2	0.08	<0.5	3	10	6	1.24
Q929915		0.66	<0.005	<0.2	0.35	5	<10	20	<0.5	<2	0.04	<0.5	1	7	28	0.76
Q929916		0.62	<0.005	<0.2	2.25	33	<10	130	0.8	<2	0.23	0.5	9	74	23	3.53
Q929917		0.82	<0.005	<0.2	0.64	42	<10	50	0.5	<2	0.05	<0.5	1	4	35	1.31
Q929918		0.86	<0.005	0.4	0.42	3	<10	20	<0.5	5	0.05	<0.5	1	5	28	0.98
Q929919		0.65	<0.005	<0.2	3.59	21	<10	210	1.0	<2	1.28	<0.5	10	47	49	3.48
Q929920		1.30	<0.005	<0.2	1.28	11	<10	360	0.9	<2	1.08	0.5	7	43	18	1.05
Q929921		1.22	<0.005	<0.2	2.16	13	<10	110	1.4	<2	1.41	<0.5	7	41	34	0.97
Q929922		1.27	<0.005	<0.2	2.05	5	<10	80	0.6	<2	0.81	<0.5	8	51	26	1.92
Q929923		1.17	<0.005	<0.2	2.30	6	<10	120	1.4	<2	1.44	<0.5	10	42	42	1.35
Q929924		0.87	<0.005	0.3	1.28	16	<10	280	0.7	2	1.07	0.7	13	85	112	2.09
Q929925		0.96	<0.005	<0.2	0.41	21	<10	1280	0.5	<2	1.09	0.6	5	47	14	1.04
Q929926		0.63	<0.005	<0.2	0.62	<2	<10	130	1.3	<2	0.04	<0.5	3	5	4	1.46
Q929927		1.21	<0.005	3.9	0.56	<2	<10	180	1.8	8	1.65	114.0	11	14	97	2.26
Q929928		0.92	<0.005	2.4	0.60	<2	<10	440	2.8	7	1.96	43.9	10	32	76	2.95
Q929929		0.93	<0.005	0.7	2.91	20	<10	70	1.0	3	2.31	0.5	12	19	58	1.93
Q929930		0.49	<0.005	<0.2	0.27	2	<10	30	<0.5	<2	0.06	<0.5	3	8	9	1.05
Q929931		0.55	<0.005	<0.2	0.30	<2	<10	30	<0.5	<2	0.03	<0.5	2	20	11	1.06
Q929932		0.67	<0.005	<0.2	0.38	<2	<10	40	1.7	<2	0.03	0.5	<1	5	3	1.78

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CERTIFICATE OF ANALYSIS WH15113516

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
Q930001		20	<1	0.71	20	0.79	360	1	0.44	27	280	14	0.19	<2	8	152
Q930002		10	<1	0.08	20	0.58	533	1	0.08	3	700	14	0.17	<2	2	34
Q930003		<10	<1	0.18	<10	0.01	60	1	0.06	<1	30	10	0.01	<2	1	4
Q930004		10	<1	0.12	20	2.03	864	1	0.27	3	1650	3	0.06	<2	12	152
Q930005		10	1	1.00	30	0.93	331	<1	0.07	36	620	2	0.11	<2	11	30
Q930006		10	1	0.02	10	0.08	305	2	0.15	22	1370	8	7.48	2	<1	52
Q930007		20	1	0.89	40	1.06	280	<1	0.14	35	1000	<2	1.21	2	5	189
Q930008		20	<1	0.05	20	0.07	107	<1	0.20	33	660	8	2.00	<2	1	239
Q929901		<10	<1	0.07	20	0.20	324	5	0.12	3	130	49	0.03	<2	1	9
Q929902		10	<1	0.59	20	0.53	283	<1	0.05	10	260	3	0.03	2	7	10
Q929903		10	<1	1.87	40	1.57	364	<1	0.04	62	480	<2	<0.01	<2	11	9
Q929904		<10	<1	0.16	10	0.31	144	1	<0.01	17	840	3	<0.01	<2	1	6
Q929905		<10	<1	0.01	10	0.01	196	3	0.14	1	100	110	0.01	<2	1	4
Q929906		10	1	0.18	20	0.38	695	<1	0.09	1	800	3	<0.01	2	4	85
Q929907		10	<1	0.99	30	0.95	343	<1	0.07	33	500	5	<0.01	<2	7	12
Q929908		<10	<1	0.25	10	0.01	213	<1	0.08	<1	130	32	<0.01	<2	<1	3
Q929909		<10	<1	0.05	<10	0.05	84	1	<0.01	2	90	3	<0.01	2	<1	2
Q929910		<10	<1	0.14	10	0.14	143	1	<0.01	5	320	20	<0.01	4	1	7
Q929911		<10	<1	0.13	10	0.04	98	2	0.01	3	210	2	<0.01	2	1	3
Q929912		<10	<1	0.07	<10	0.12	82	1	<0.01	2	750	2	0.01	<2	1	4
Q929913		<10	<1	0.11	10	0.28	202	<1	<0.01	9	170	12	<0.01	8	2	3
Q929914		<10	<1	0.17	20	0.16	261	<1	0.07	4	250	5	<0.01	<2	1	7
Q929915		<10	<1	0.10	10	0.05	143	2	0.05	1	60	42	<0.01	<2	<1	4
Q929916		10	1	0.87	30	1.04	384	<1	0.05	32	690	4	<0.01	2	7	14
Q929917		<10	<1	0.12	30	0.03	86	7	0.05	2	100	16	<0.01	<2	1	8
Q929918		<10	1	0.12	20	0.04	107	2	0.05	1	120	81	<0.01	<2	<1	6
Q929919		10	<1	0.64	30	0.84	414	<1	0.09	29	490	6	0.02	3	6	109
Q929920		10	1	0.11	10	0.27	261	1	0.13	46	1800	10	<0.01	2	3	69
Q929921		10	<1	0.21	20	0.34	183	1	0.20	24	810	7	0.08	3	4	102
Q929922		10	<1	0.44	20	0.45	177	<1	0.13	24	260	<2	0.03	<2	8	76
Q929923		10	<1	0.21	30	0.38	177	<1	0.16	27	680	8	0.06	<2	5	103
Q929924		10	<1	0.13	10	0.19	91	12	0.05	131	2190	2	0.83	2	3	57
Q929925		<10	<1	0.07	30	0.17	213	1	0.01	66	3430	8	<0.01	4	4	30
Q929926		<10	1	0.02	30	0.22	2690	<1	0.08	4	150	2	<0.01	<2	1	12
Q929927		<10	1	0.09	30	0.31	2770	<1	0.13	17	450	3220	0.01	2	3	161
Q929928		<10	1	0.10	30	0.50	2470	<1	0.10	37	430	4730	0.10	<2	5	334
Q929929		10	<1	0.06	10	0.07	101	3	0.20	45	1390	26	0.90	11	1	158
Q929930		<10	1	0.08	10	0.04	261	<1	0.04	2	130	21	<0.01	<2	<1	6
Q929931		<10	1	0.04	10	0.11	165	1	<0.01	11	80	7	<0.01	<2	1	2
Q929932		<10	<1	0.13	30	0.01	349	1	0.05	2	50	24	<0.01	<2	<1	4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 11-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113516

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
Q930001		<20	0.26	<10	<10	67	<10	89
Q930002		<20	0.15	<10	<10	35	<10	94
Q930003		20	<0.01	<10	<10	1	<10	64
Q930004		<20	0.32	<10	<10	101	<10	114
Q930005		<20	0.23	<10	<10	69	<10	51
Q930006		<20	0.04	<10	10	11	10	33
Q930007		<20	0.25	<10	<10	46	10	39
Q930008		<20	0.11	<10	<10	9	<10	18
Q929901		40	0.02	<10	<10	10	<10	37
Q929902		<20	0.15	<10	<10	36	<10	29
Q929903		<20	0.22	<10	<10	64	<10	50
Q929904		<20	<0.01	<10	<10	46	<10	21
Q929905		40	<0.01	<10	10	2	<10	58
Q929906		<20	0.22	<10	<10	4	<10	68
Q929907		20	0.17	<10	<10	43	<10	53
Q929908		20	<0.01	<10	<10	1	<10	59
Q929909		<20	<0.01	<10	<10	4	<10	6
Q929910		<20	<0.01	<10	<10	20	<10	28
Q929911		<20	<0.01	<10	<10	9	<10	7
Q929912		<20	<0.01	<10	<10	5	<10	5
Q929913		<20	0.03	<10	<10	27	<10	26
Q929914		30	0.02	<10	<10	9	<10	25
Q929915		40	<0.01	<10	<10	1	<10	31
Q929916		20	0.16	<10	<10	52	<10	55
Q929917		20	<0.01	<10	10	3	<10	41
Q929918		20	<0.01	<10	<10	2	<10	31
Q929919		<20	0.11	<10	<10	34	<10	61
Q929920		<20	0.15	<10	<10	75	<10	56
Q929921		<20	0.13	<10	<10	40	<10	36
Q929922		<20	0.17	<10	<10	49	<10	33
Q929923		<20	0.14	<10	<10	42	<10	40
Q929924		<20	0.24	<10	<10	181	<10	41
Q929925		<20	0.13	<10	<10	148	<10	54
Q929926		40	0.01	<10	<10	23	<10	132
Q929927		20	0.11	<10	<10	73	<10	8570
Q929928		<20	0.23	<10	<10	129	10	3690
Q929929		<20	0.12	<10	<10	15	<10	42
Q929930		20	<0.01	<10	<10	3	<10	36
Q929931		<20	<0.01	<10	<10	11	<10	26
Q929932		20	<0.01	<10	<10	2	<10	108

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 11-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113516

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
Q929933		0.62	<0.005	<0.2	1.35	<2	<10	260	3.4	<2	1.51	<0.5	12	6	2	3.46

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VANCOUVER BC V6C 3R8

Finalized Date: 11-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113516

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
Q929933		10	1	1.02	20	1.00	696	1	0.12	6	1590	10	<0.01	<2	5	29

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CERTIFICATE OF ANALYSIS WH15113516

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
Q929933		<20	0.41	<10	<10	53	<10	253

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 11-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113516

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-01	CRU-31	CRU-QC	LOG-21
	PUL-32	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au-AA23	ME-ICP41

ALS Canada Ltd.

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North Vancouver BC V7H 0A7
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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 11-AUG-2015
Account: EIASUM

CERTIFICATE WH15113615

Project: SUM15-01

P.O. No.: SUM15-01_3

This report is for 30 Rock samples submitted to our lab in Whitehorse, YT, Canada on 30-JUL-2015.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL	THOMAS BRANSON	SUMAC MINES

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
BAG-01	Bulk Master for Storage
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

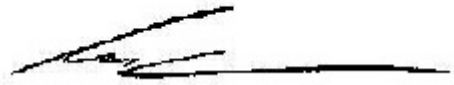
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **EQUITY EXPLORATION CONSULTANTS LTD.**
ATTN: THOMAS BRANSON
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 11-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113615

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01
Q930009		0.87	0.038	<0.2	0.44	3	<10	20	0.5	<2	0.09	<0.5	<1	14	11	1.49
Q930010		1.17	0.013	<0.2	0.48	4	<10	40	0.5	<2	0.05	<0.5	<1	4	6	1.11
Q930011		1.01	<0.005	<0.2	0.35	6	<10	10	0.5	<2	0.03	<0.5	<1	3	6	0.79
Q930012		1.04	<0.005	<0.2	0.89	2	<10	150	<0.5	<2	0.23	<0.5	6	39	27	1.71
Q930013		0.86	<0.005	<0.2	0.64	<2	<10	10	1.4	<2	0.19	<0.5	<1	6	9	1.21
Q930014		0.82	<0.005	<0.2	2.23	3	<10	280	1.0	<2	0.22	<0.5	24	96	121	3.24
Q930015		1.29	<0.005	<0.2	0.37	<2	<10	<10	1.8	2	0.16	<0.5	1	4	5	1.23
Q930016		0.88	<0.005	0.9	2.87	6	<10	80	1.4	<2	1.52	<0.5	23	50	990	5.38
Q930017		1.39	<0.005	<0.2	3.15	3	<10	90	1.8	<2	1.87	<0.5	24	22	31	4.94
Q930018		1.16	<0.005	<0.2	1.12	3	<10	80	<0.5	<2	0.36	<0.5	3	4	6	2.62
Q930019		1.01	0.110	1.2	1.06	2	<10	30	<0.5	5	0.44	<0.5	12	17	683	6.67
Q930020		0.73	<0.005	<0.2	1.27	2	<10	70	1.8	<2	0.68	<0.5	6	9	19	3.14
Q929934		0.36	<0.005	<0.2	2.65	<2	<10	190	0.9	<2	1.89	<0.5	18	36	24	4.50
Q929935		0.61	<0.005	1.4	2.22	5	<10	220	1.0	<2	1.83	<0.5	21	92	506	4.32
Q929936		0.74	<0.005	<0.2	2.90	7	<10	200	1.1	<2	0.69	<0.5	7	90	109	4.78
Q929937		0.68	<0.005	<0.2	0.82	7	<10	100	0.7	<2	0.09	<0.5	2	4	13	2.39
Q929938		0.60	1.015	1.6	0.27	209	<10	250	<0.5	2	0.08	<0.5	1	10	16	1.35
Q929939		0.83	<0.005	<0.2	1.47	4	<10	20	0.7	<2	1.15	<0.5	4	12	25	0.50
Q929940		0.96	4.09	26.2	0.45	562	<10	40	<0.5	<2	0.03	<0.5	2	23	16	1.37
Q929941		0.54	0.009	1.6	0.67	6	<10	50	<0.5	2	0.26	<0.5	4	19	8	1.51
Q929942		0.47	0.005	<0.2	0.48	193	<10	50	<0.5	<2	0.75	<0.5	5	26	36	1.90
Q929943		0.87	<0.005	<0.2	0.26	4	<10	30	<0.5	<2	0.01	<0.5	1	11	6	1.00
Q929944		0.93	<0.005	<0.2	0.32	5	<10	20	<0.5	<2	0.02	<0.5	<1	8	7	0.85
Q929945		0.96	<0.005	<0.2	0.56	3	<10	20	0.6	<2	0.05	<0.5	<1	7	4	1.09
Q929946		0.51	<0.005	<0.2	0.77	<2	<10	30	0.5	<2	0.42	<0.5	<1	5	4	0.77
Q929947		0.86	0.029	0.3	0.49	98	<10	10	0.7	<2	0.06	<0.5	2	5	11	1.27
Q929948		0.98	<0.005	<0.2	0.95	3	<10	80	2.0	<2	0.92	<0.5	4	12	51	0.82
Q929949		0.94	<0.005	0.4	2.32	<2	<10	50	1.0	<2	2.01	<0.5	5	5	198	0.74
Q929950		0.72	1.245	11.6	0.26	1575	<10	320	<0.5	4	0.03	1.3	2	18	52	3.28
R203251		0.66	<0.005	0.2	0.92	6	<10	60	1.1	<2	1.21	2.1	7	24	134	2.10

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 11-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113615

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
Q930009		10	<1	0.16	40	0.01	229	1	0.08	2	20	3	<0.01	2	<1	4
Q930010		10	<1	0.14	10	0.02	210	1	0.05	<1	30	15	<0.01	<2	<1	4
Q930011		<10	<1	0.12	10	0.01	140	1	0.04	<1	20	12	<0.01	<2	<1	2
Q930012		<10	<1	0.43	10	0.70	203	51	0.05	22	240	2	<0.01	<2	6	11
Q930013		<10	<1	0.11	30	0.03	187	1	0.06	<1	10	8	<0.01	<2	<1	9
Q930014		10	<1	1.53	10	1.76	340	98	0.04	61	150	<2	0.12	<2	13	9
Q930015		<10	1	0.08	50	0.02	173	2	0.04	1	10	8	<0.01	<2	<1	8
Q930016		10	<1	0.16	10	0.56	146	6	0.19	64	740	<2	1.81	2	3	107
Q930017		10	1	0.06	40	2.71	534	<1	0.11	69	2490	2	<0.01	<2	4	124
Q930018		10	<1	0.26	20	0.27	512	1	0.08	1	570	3	0.04	2	2	30
Q930019		10	<1	0.03	<10	0.16	269	<1	0.12	25	170	2	2.94	<2	1	18
Q930020		10	1	0.22	40	0.58	448	1	0.15	2	850	12	<0.01	<2	6	71
Q929934		10	<1	0.11	50	1.87	488	<1	0.10	46	3100	5	<0.01	<2	5	104
Q929935		10	1	0.97	20	1.54	832	6	0.05	80	7820	2	0.58	<2	12	30
Q929936		10	1	1.28	20	1.26	967	4	0.04	21	3490	5	0.09	<2	11	20
Q929937		10	1	0.16	20	0.12	366	<1	0.07	2	240	14	<0.01	2	4	8
Q929938		<10	<1	0.29	20	0.04	110	6	0.01	4	1050	18	0.22	4	1	17
Q929939		<10	<1	0.05	<10	0.04	44	<1	0.18	17	340	3	0.09	4	<1	83
Q929940		<10	<1	0.21	10	0.18	124	5	0.01	3	340	10	0.06	5	2	9
Q929941		<10	<1	0.12	10	0.50	363	7	0.01	3	390	10	0.02	<2	2	12
Q929942		<10	<1	0.05	<10	0.33	442	1	0.01	11	170	3	0.07	3	2	12
Q929943		<10	<1	0.21	10	0.01	54	2	0.07	<1	20	12	0.11	<2	<1	3
Q929944		<10	1	0.19	10	0.01	44	3	0.07	1	20	8	0.05	<2	1	4
Q929945		<10	1	0.22	20	0.02	57	1	0.10	1	30	11	0.01	<2	1	6
Q929946		<10	1	0.29	20	0.02	117	<1	0.76	<1	20	14	<0.01	<2	<1	48
Q929947		<10	1	0.14	20	0.01	216	2	0.07	3	20	5	<0.01	3	<1	3
Q929948		<10	<1	0.07	<10	0.09	224	4	0.06	14	750	8	0.01	2	<1	50
Q929949		10	<1	0.03	10	0.17	230	2	0.15	14	650	<2	0.04	2	<1	137
Q929950		<10	<1	0.21	<10	0.02	128	61	0.01	5	360	2440	0.24	4	1	61
R203251		10	<1	0.13	30	0.59	495	<1	0.04	9	570	20	<0.01	<2	4	29

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 11-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113615

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
Q930009		<20	0.03	<10	<10	1	<10	121
Q930010		<20	0.01	<10	<10	2	<10	80
Q930011		<20	0.01	<10	<10	1	<10	70
Q930012		<20	0.14	<10	<10	76	<10	27
Q930013		<20	<0.01	<10	<10	1	<10	81
Q930014		<20	0.37	<10	<10	128	<10	58
Q930015		20	0.01	<10	<10	1	<10	65
Q930016		<20	0.11	<10	<10	83	<10	29
Q930017		<20	0.05	<10	<10	47	<10	80
Q930018		<20	0.08	<10	<10	5	<10	85
Q930019		<20	0.08	<10	<10	29	50	17
Q930020		<20	0.18	<10	<10	35	<10	108
Q929934		<20	0.11	<10	<10	50	<10	112
Q929935		<20	0.18	10	<10	202	<10	66
Q929936		<20	0.19	<10	<10	215	<10	114
Q929937		<20	0.01	<10	<10	8	<10	96
Q929938		<20	<0.01	<10	<10	23	<10	10
Q929939		<20	0.04	<10	<10	4	<10	13
Q929940		<20	0.03	<10	<10	16	<10	17
Q929941		<20	0.02	<10	<10	40	<10	26
Q929942		<20	0.01	<10	<10	39	<10	32
Q929943		<20	<0.01	<10	<10	1	<10	14
Q929944		<20	<0.01	<10	<10	1	<10	11
Q929945		<20	<0.01	<10	<10	1	<10	38
Q929946		<20	0.01	<10	<10	1	<10	57
Q929947		<20	0.01	<10	<10	1	<10	62
Q929948		<20	0.01	<10	<10	13	100	18
Q929949		<20	0.03	<10	<10	4	10	19
Q929950		<20	<0.01	<10	<10	24	<10	69
R203251		<20	0.01	<10	<10	33	<10	366

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 11-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15113615

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	BAG-01	CRU-31	CRU-QC	LOG-21
	PUL-32	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au-AA23	ME-ICP41

ALS Canada Ltd.

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North Vancouver BC V7H 0A7
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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 11-AUG-2015
Account: EIASUM

CERTIFICATE WH15116330

Project: SUM15-01

P.O. No.: SUM-15-01_5

This report is for 9 Rock samples submitted to our lab in Whitehorse, YT, Canada on 4-AUG-2015.

The following have access to data associated with this certificate:

EQUITY ENG E-MAIL	THOMAS BRANSON	SUMAC MINES

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **EQUITY EXPLORATION CONSULTANTS LTD.**
ATTN: THOMAS BRANSON
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 11-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116330

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
Q930021		1.04	<0.005	0.2	1.07	3	<10	110	1.6	<2	0.59	<0.5	3	6	7	2.96
Q930022		0.84	<0.005	0.6	2.18	2	<10	550	1.6	3	1.43	0.6	12	15	23	5.37
Q930023		0.95	0.462	2.1	0.39	14	<10	30	0.5	9	0.68	1.2	9	20	2980	1.07
Q930024		1.32	0.056	2.3	0.87	12	<10	60	0.5	2	0.57	0.9	13	47	3990	2.05
Q930025		1.27	0.062	1.6	0.96	7	<10	50	0.7	3	0.58	1.1	10	37	2050	1.97
Q930026		1.27	0.025	1.6	0.96	18	<10	40	1.0	3	0.38	0.8	12	35	1630	2.33
Q930027		1.24	<0.005	0.2	1.32	2	<10	40	0.6	<2	0.99	<0.5	5	15	111	1.20
R203252		0.60	<0.005	<0.2	3.67	3	<10	190	2.5	<2	2.69	<0.5	7	38	36	1.93
R203253		0.58	<0.005	0.3	3.46	2	<10	110	1.4	<2	2.57	0.6	7	19	41	0.88

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 11-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116330

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
Q930021		10	<1	0.21	30	0.25	583	<1	0.07	2	720	33	0.02	<2	5	16
Q930022		10	<1	0.65	20	1.14	1195	586	0.20	6	1540	14	0.02	2	12	56
Q930023		<10	1	0.03	<10	0.43	249	5	0.01	40	2560	12	0.02	<2	1	14
Q930024		<10	<1	0.08	10	0.86	266	4	0.01	65	2070	4	0.02	<2	3	14
Q930025		<10	<1	0.05	10	0.95	401	1	0.01	48	1890	9	0.02	<2	2	15
Q930026		10	<1	0.08	10	0.69	456	2	0.01	38	1160	15	0.02	<2	2	8
Q930027		<10	<1	0.05	20	0.08	74	2	0.14	17	500	10	0.20	<2	1	53
R203252		10	<1	0.22	10	0.31	157	1	0.46	29	440	14	0.17	2	2	164
R203253		10	<1	0.09	20	0.09	88	2	0.30	38	890	30	0.14	<2	1	180

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 11-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116330

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	20	0.01	10	10	1	10	2
Q930021		<20	0.20	<10	<10	13	<10	157
Q930022		<20	0.35	<10	<10	62	<10	232
Q930023		<20	0.02	<10	10	62	<10	84
Q930024		<20	0.05	<10	<10	204	<10	71
Q930025		<20	0.05	<10	<10	130	<10	120
Q930026		<20	0.02	<10	<10	88	<10	121
Q930027		<20	0.08	<10	<10	7	<10	9
R203252		<20	0.19	<10	<10	26	<10	21
R203253		<20	0.13	<10	<10	17	<10	28

***** See Appendix Page for comments regarding this certificate *****

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To: **EQUITY EXPLORATION CONSULTANTS LTD.**
1510-250 HOWE STREET
VANCOUVER BC V6C 3R8

Finalized Date: 11-AUG-2015
Account: EIASUM

Project: SUM15-01

CERTIFICATE OF ANALYSIS WH15116330

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

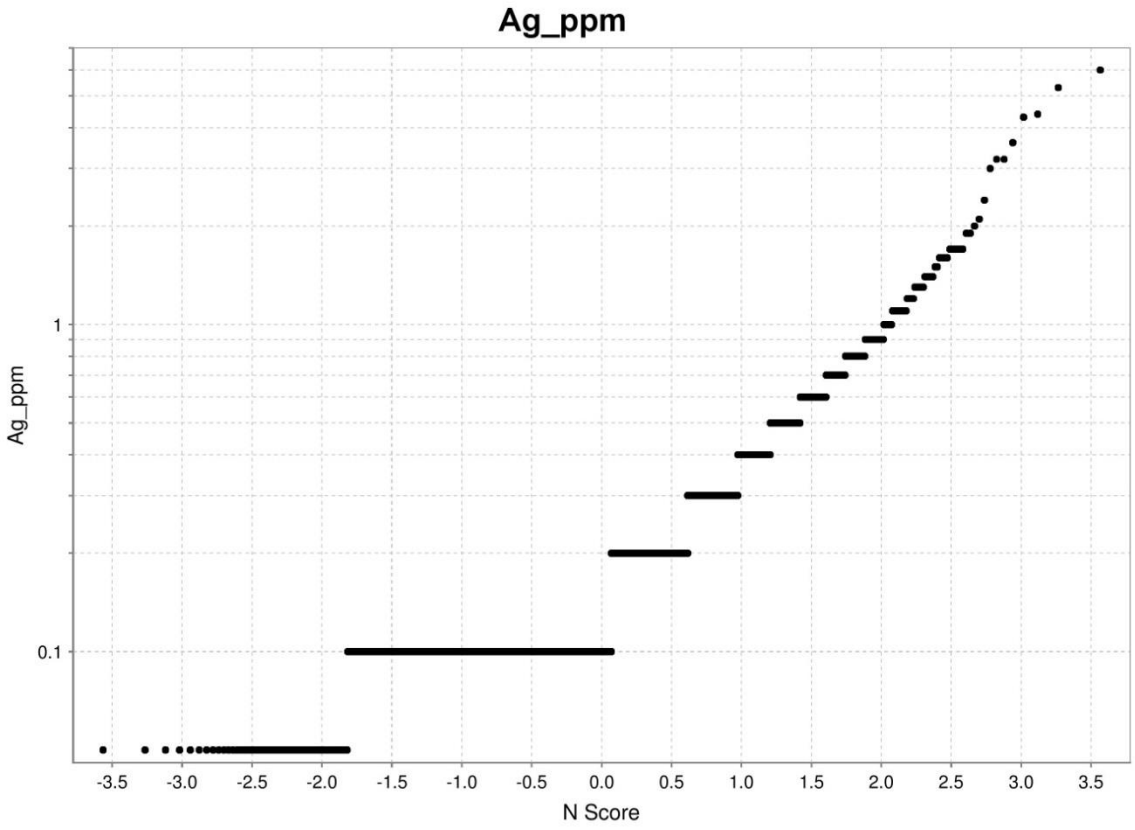
Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:				
	CRU-31	CRU-QC	LOG-21	PUL-32
	PUL-QC	SPL-21	WEI-21	

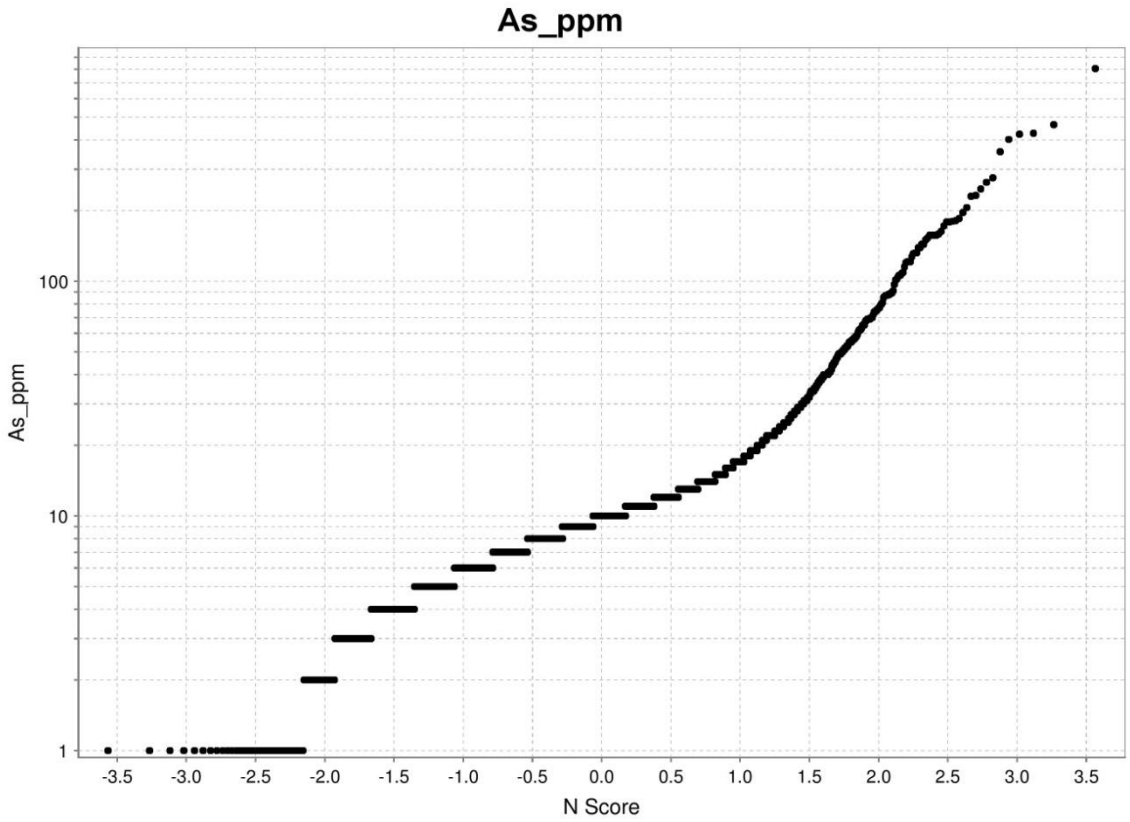
Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:		
	Au-AA23	ME-ICP41

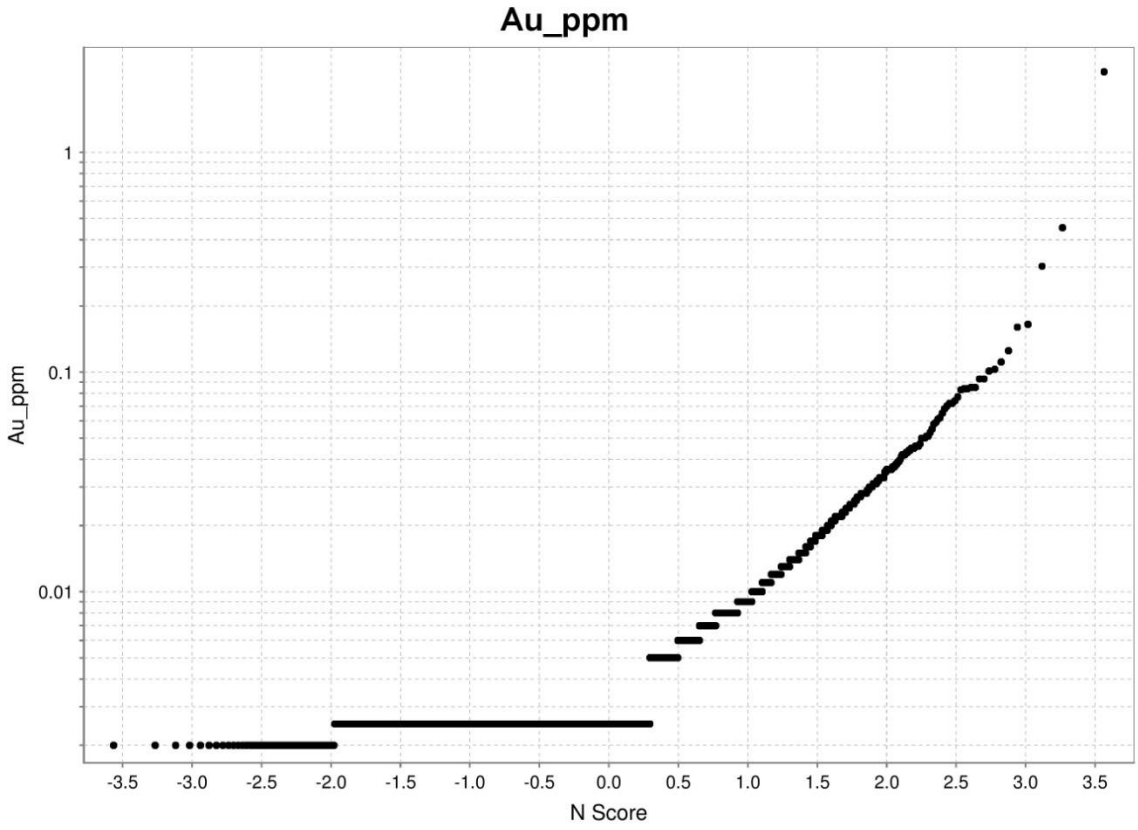
Appendix E: Soil Probability Plots



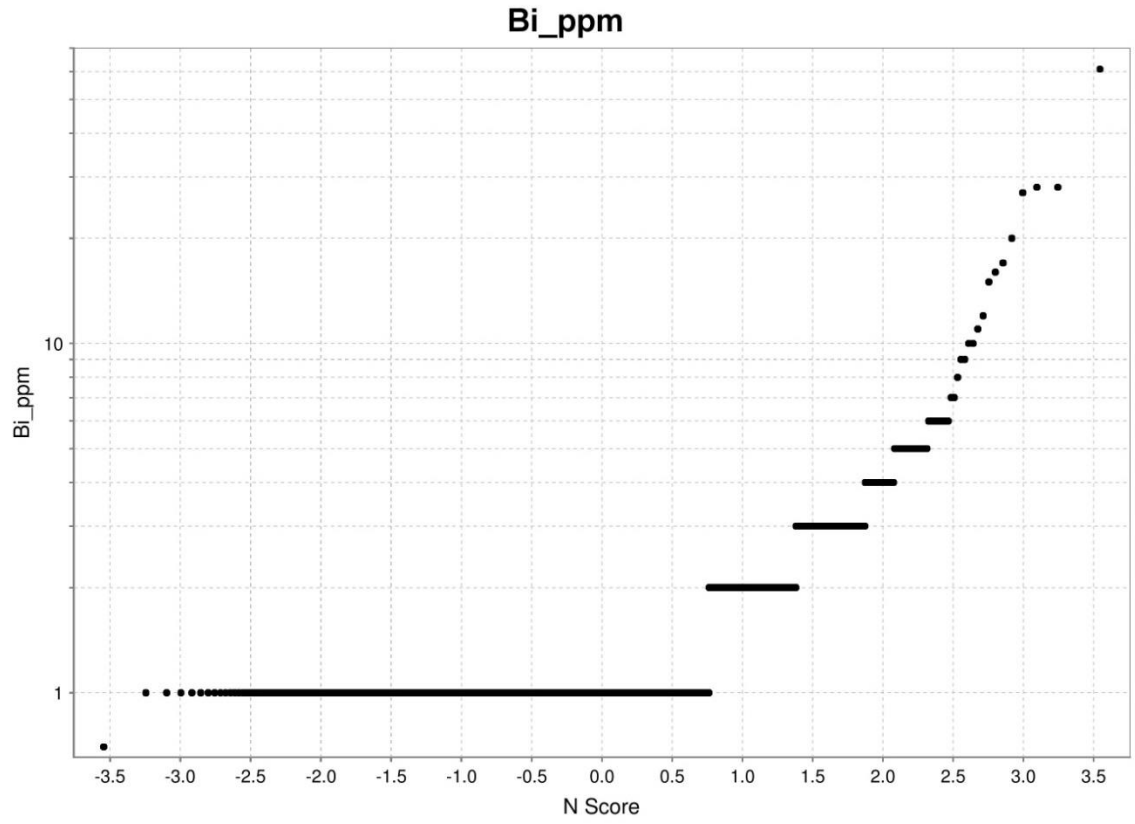
Probability plot for Ag. Background values were picked at the first break in slope (0.5 ppm).



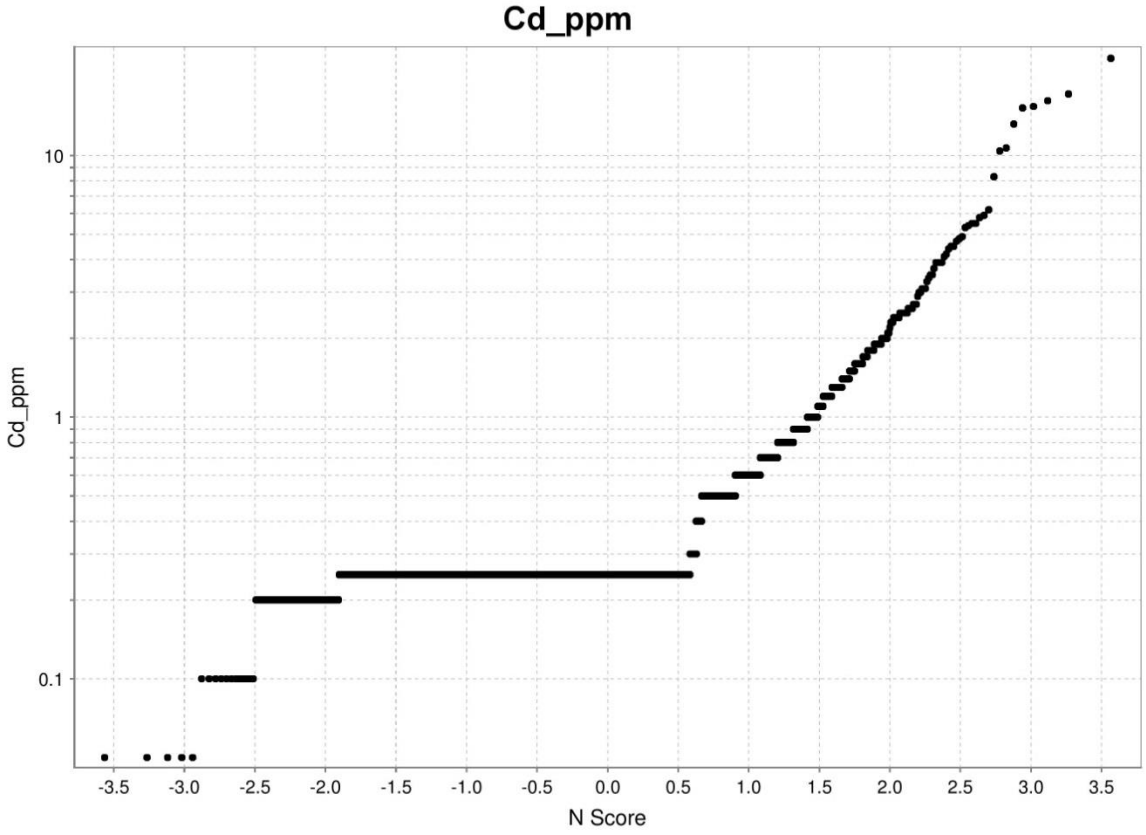
Probability plot for As. Background values were picked at the first break in slope (15 ppm).



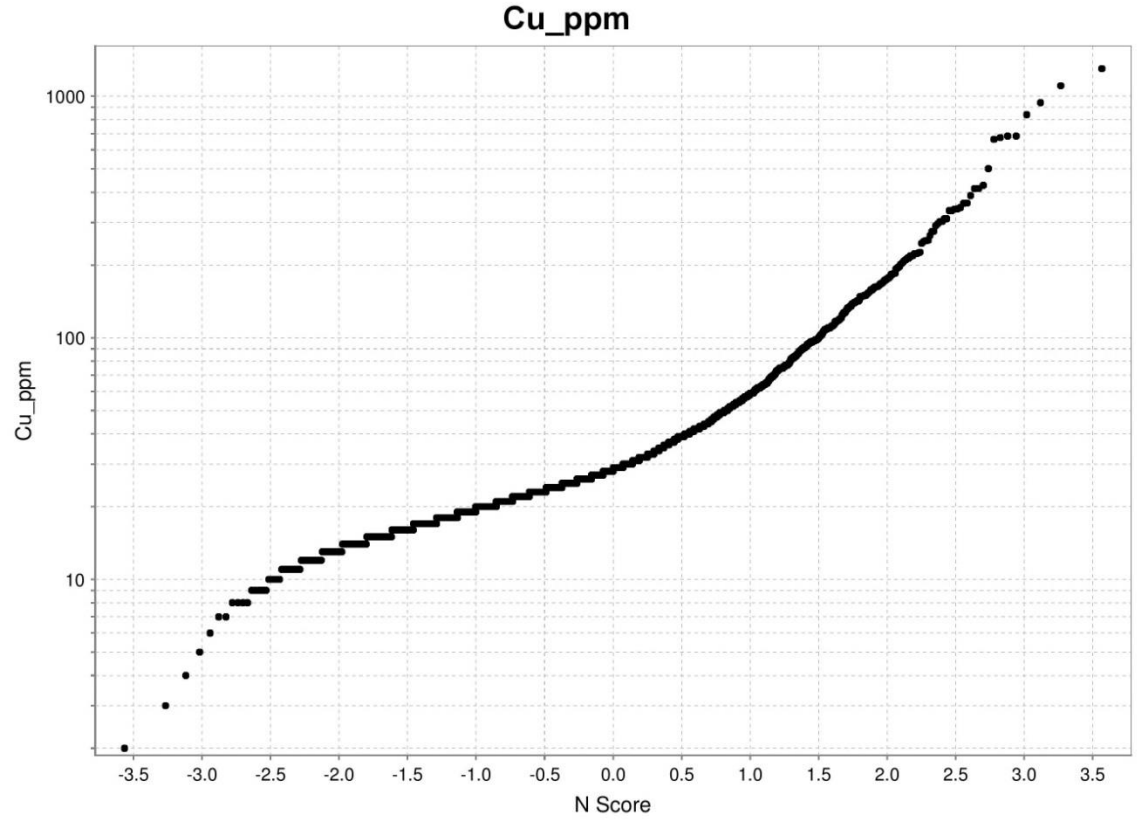
Probability plot for Au. Background values were picked at the first break in slope (0.01 ppm).



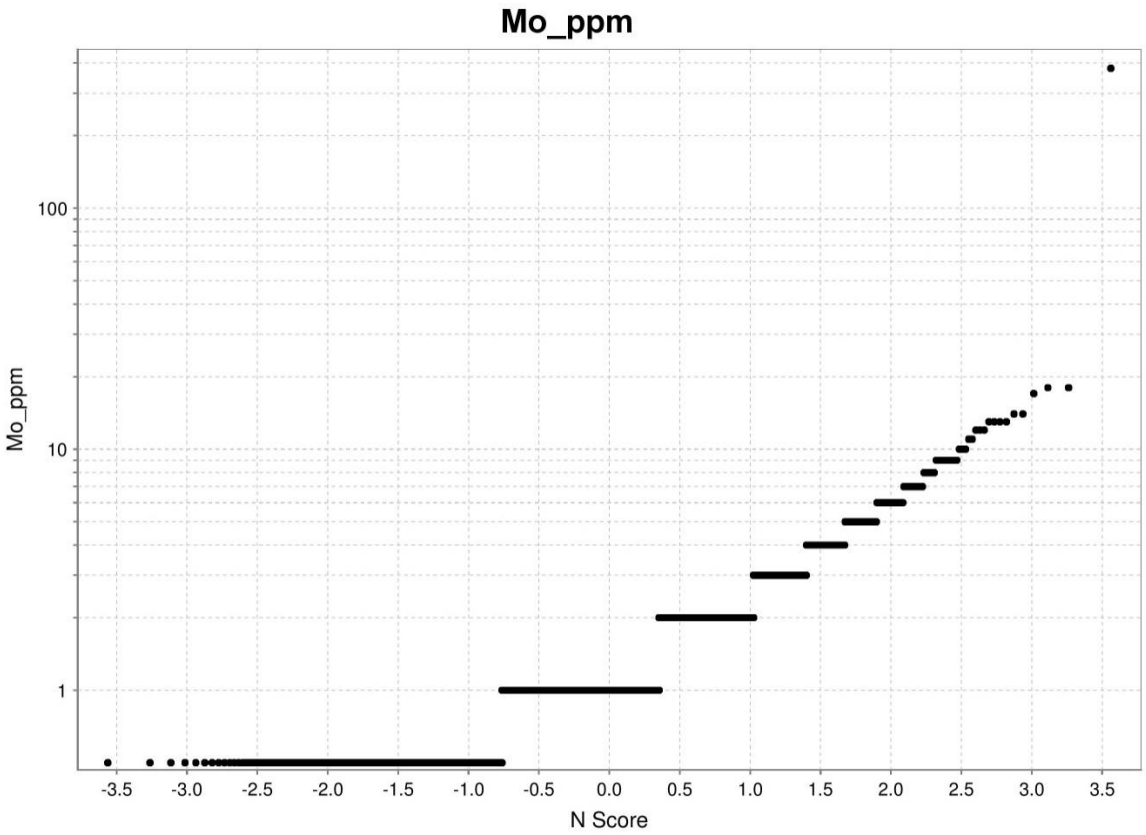
Probability plot for Bi. Background values were picked at the first break in slope (1 ppm).



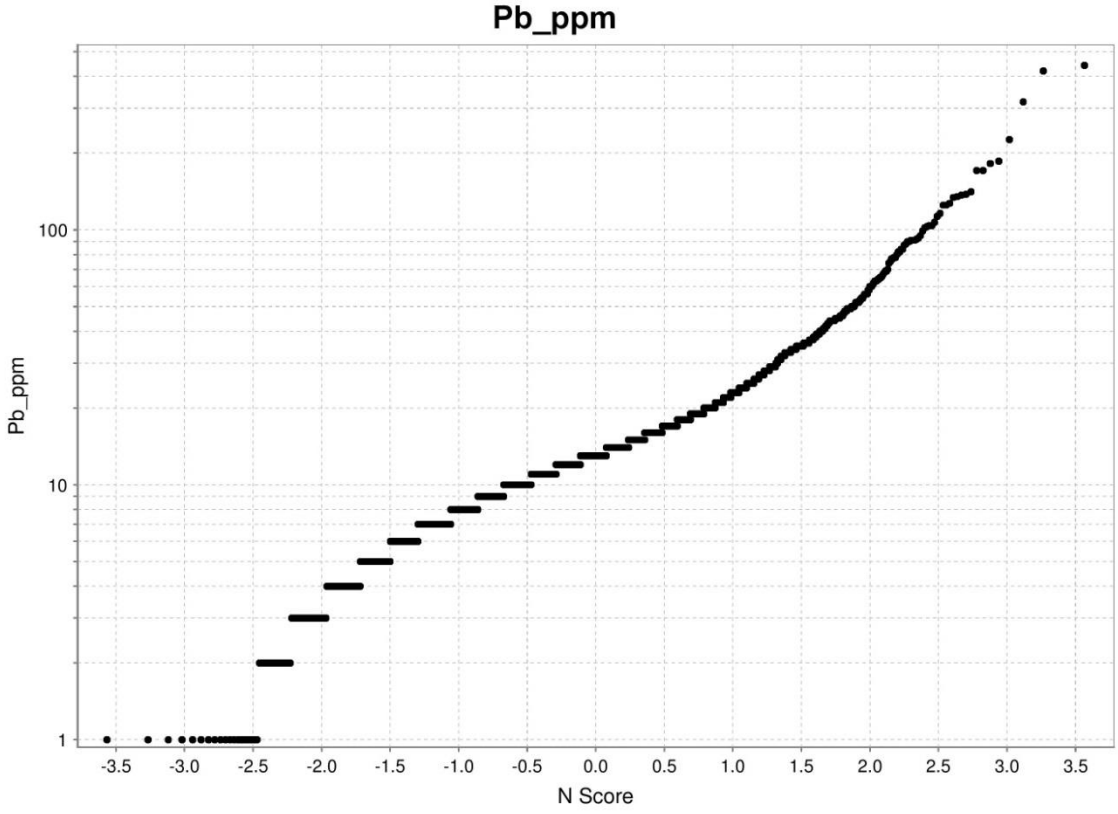
Probability plot for Cd Background values were picked at the first break in slope (1 ppm).



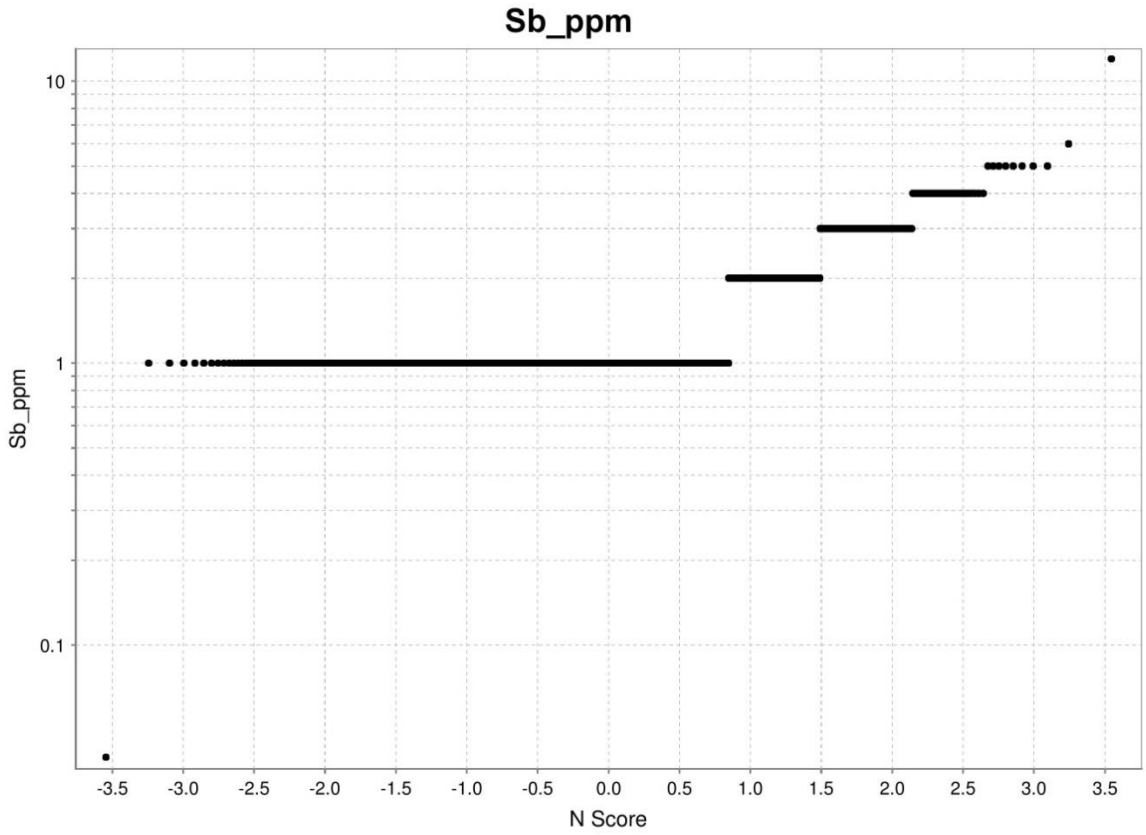
Probability plot for Cu. Background values were picked at the first break in slope (30 ppm).



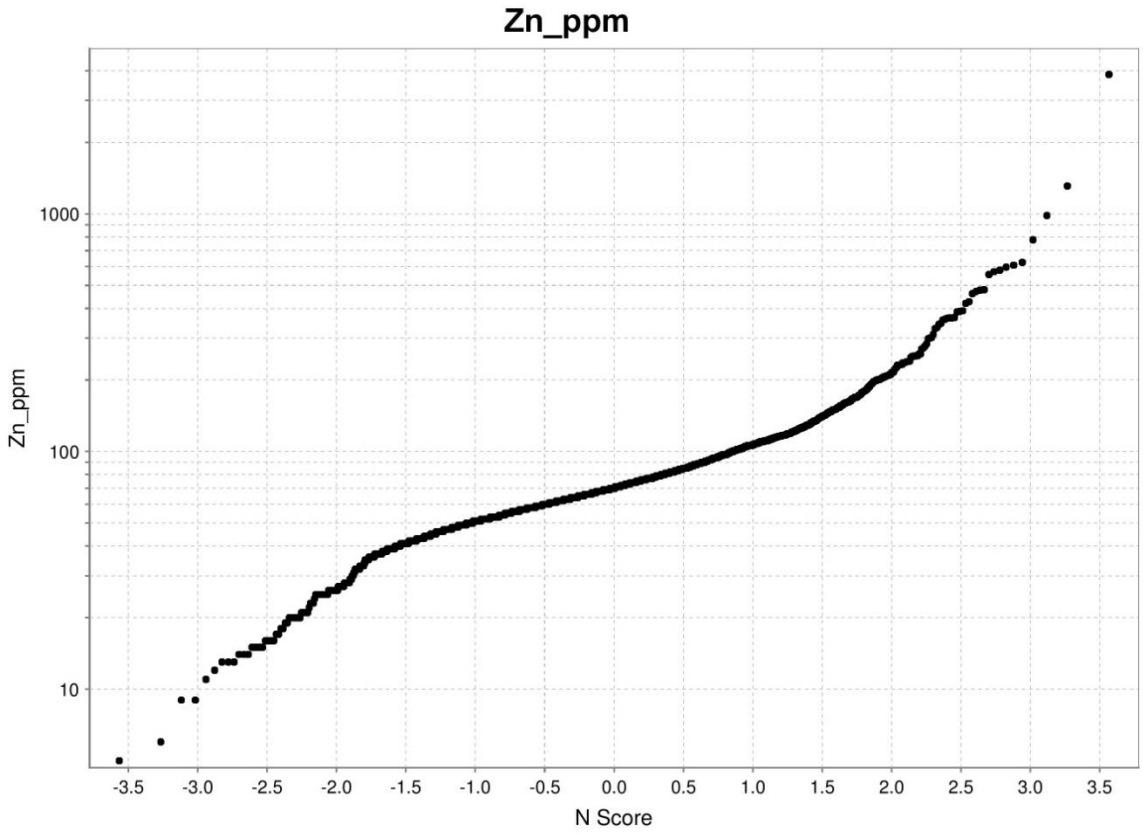
Probability plot for Mo. Background values were picked at the first break in slope (2 ppm).



Probability plot for Pb. Background values were picked at the first break in slope (21 ppm).



Probability plot for Sb. Background values were picked at the first break in slope (1 ppm).



Probability plot for Zn. Background values were picked at the first break in slope (100 ppm).

Appendix F: Quality Assurance/Quality Control

QUALITY ASSURANCE / QUALITY CONTROL

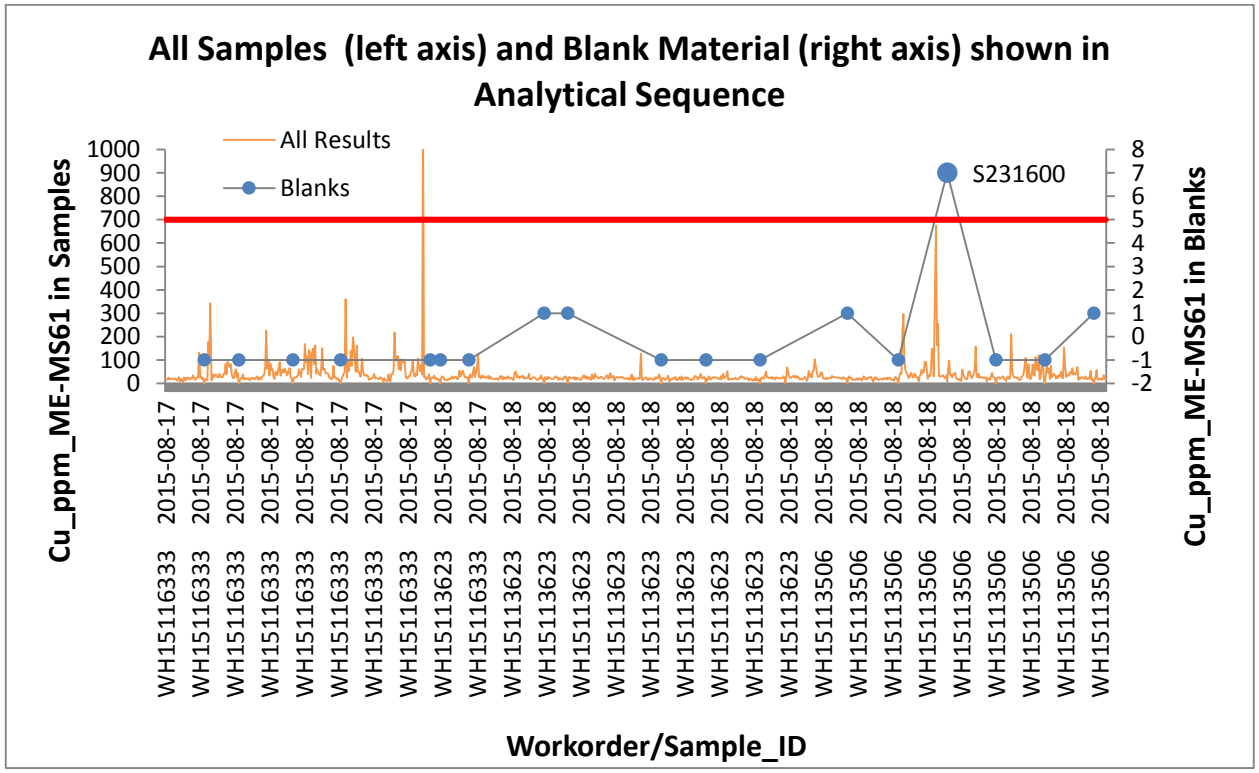
I Chain of Custody

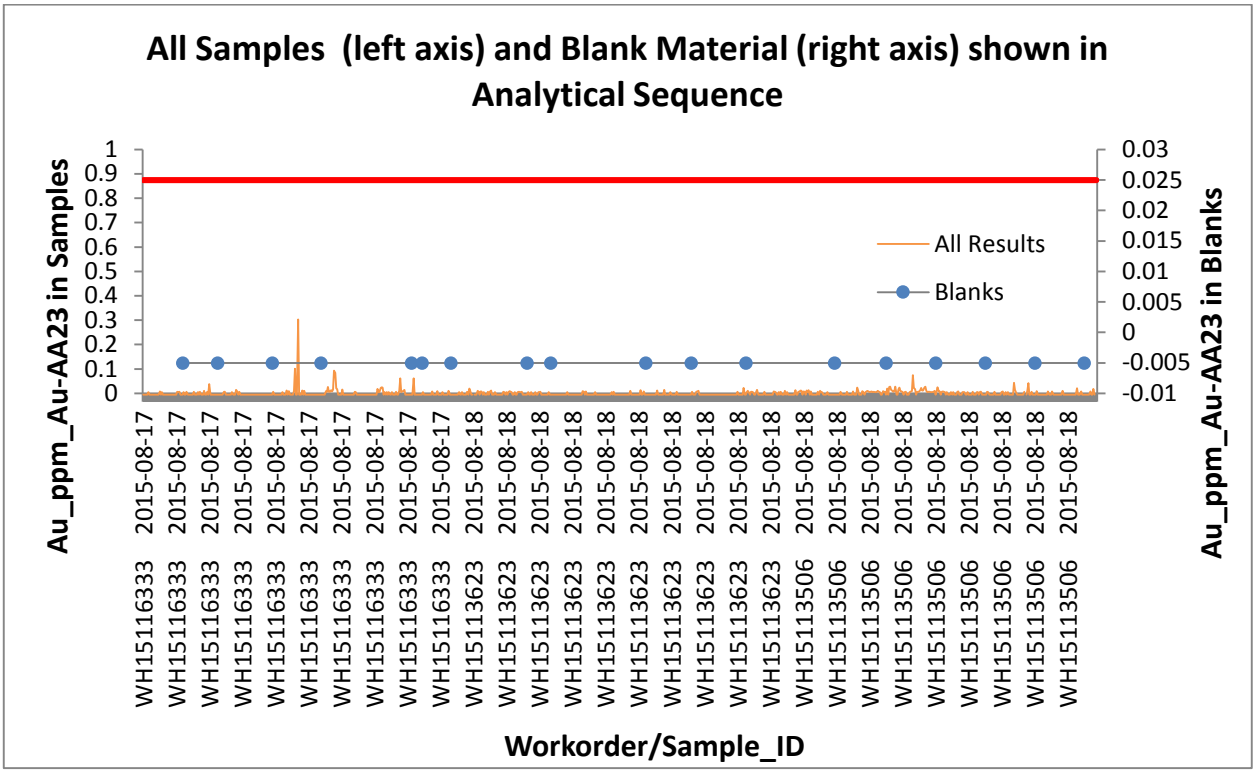
All samples were packed in rice sacks and sealed with uniquely numbered non-resealable security straps. Rice sacks were trucked to ALS Minerals Labs Ltd. in Whitehorse, Yukon Territory, an ISO 9001-registered laboratory. ALS Minerals reported that all bags were received in good condition, with all security straps intact, and with no evidence of tampering.

II Blanks

Blanks are samples known to be barren of mineralization and are inserted into the sample stream in the field to determine whether contamination has occurred after sample collection. A total of 18 soil blanks were inserted into the sample sequence (approximately every 50th sample) and submitted for analysis. The blank material comprised commercially available **SIL-CO-SIL® Ground Silica.**

Review of the analytical results from the blanks samples indicates that all samples returned uniformly low values in all elements of interest, except for blank S231600, which was slightly elevated (7 ppm) in copper and closely followed a highly anomalous copper soil sample on the same certificate. Due to the low value of the blank, no significant contamination is suspected (see charts for copper and gold below).



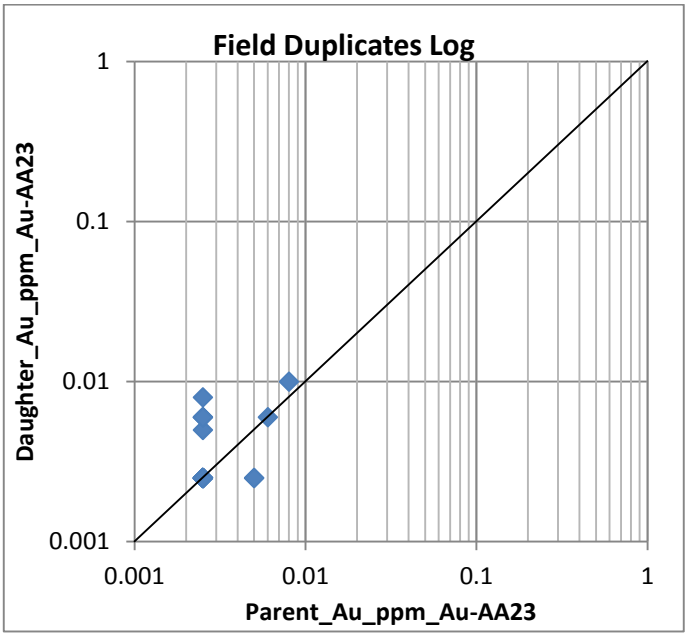


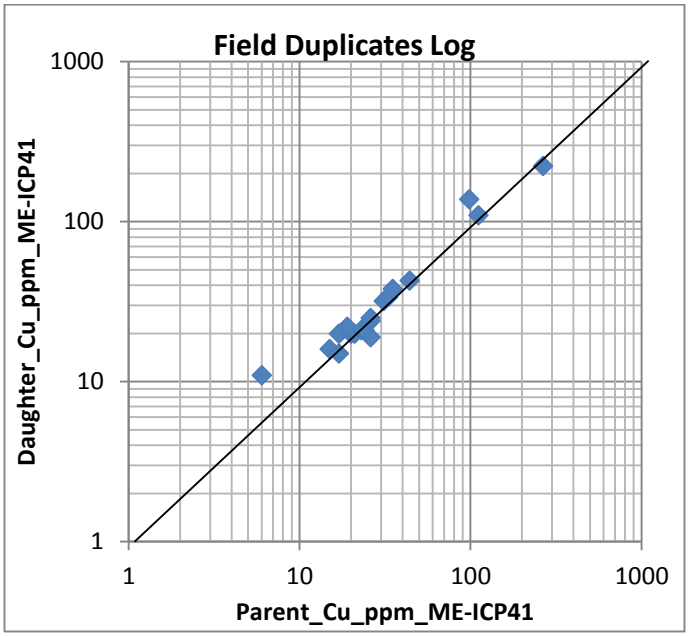
III Field Duplicate Analysis

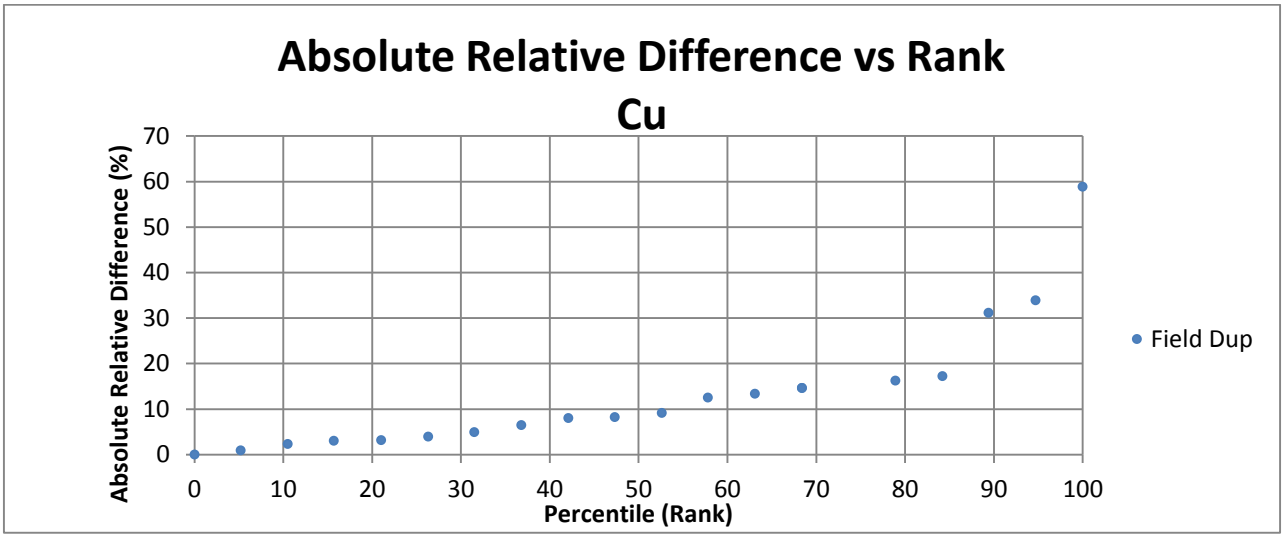
Field duplicates are collection and analysis of two separate samples from the same field location; in the case of soil samples a second sample was collected from the same depth in the same excavation as the original routine soil sample. These field duplicates are used to measure the reproducibility or precision of sampling, which includes both laboratory variation and sample variation. The duplicate-pairs will contain all the cumulative error associated with the sampling and analytical process and may also allow the determination of true, or effective, detection limits (where the cumulative uncertainty of sampling and analytical techniques, or precision, equals 100%). A total of 20 soil field duplicate pairs were inserted into the sample sequence (approximately every 50th sample) and submitted for analysis.

Precision for the field duplicates was plotted on a series of log scatter plots and absolute relative difference vs. rank plots. As a very general guideline for these plots is that for field samples, 90% of field duplicates should have a precision of 30% (±15%) or better. However it is often not possible or practical that these levels of precision will be achieved due to the natural variability of sampled materials and limitations of equipment.

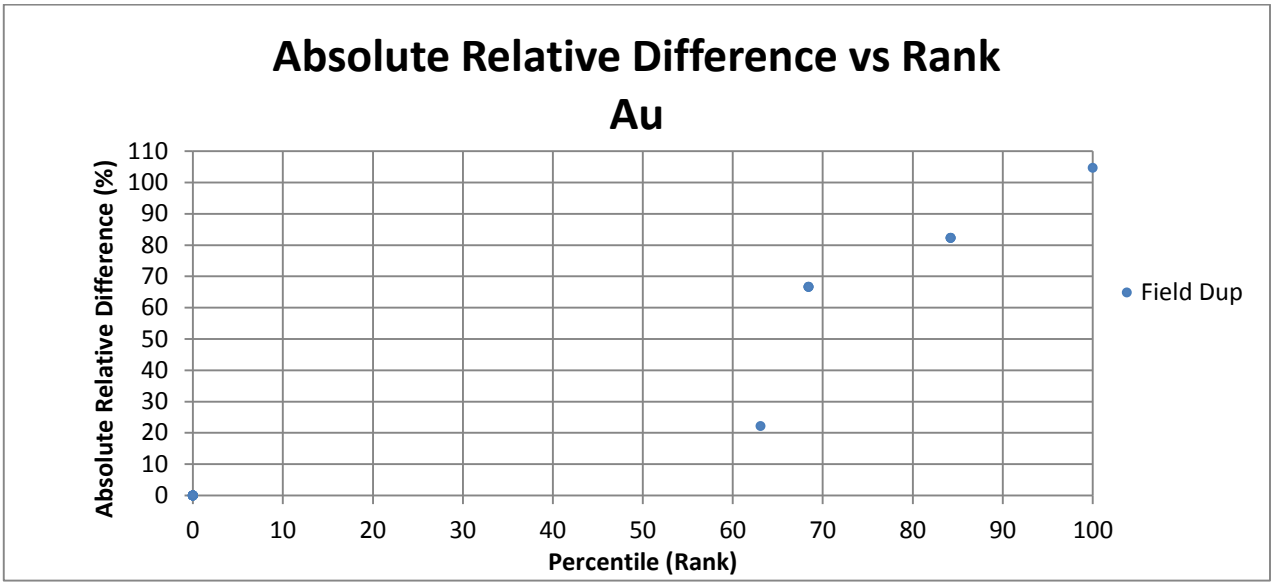
The elements of interest at the Canopus Project exhibit variable reproducibility with the base metals exhibiting good precision. For each of Cu, Pb and Zn, 90% of the duplicate-pairs have precisions of 35% or better. The copper absolute relative difference (a proxy for precision) vs. rank is displayed below and it can be read that 90% of duplicate-pairs have a precision of ~30% or better.







The precision of gold in soils on the Canopus Project was markedly poorer than the base metals. The precision of Au was poor with 90% of duplicate-pairs attained a precision of just 95% as shown in the ARD vs. rank plot below.



IV Conclusions

- There is no evidence of tampering with the samples between collection and the laboratory.
- Uniformly low values for all metals of interest in all blank sample analyses indicate that contamination of soil samples did not take place in the field, or in the lab.
- Analysis of field duplicate samples indicates poor precision in Au. This is likely due to the natural variability of the sampled material.
- The precision of field duplicates for base metals Cu, Pb, and Zn was found to be acceptable, returning 35% or better for each of these elements.

Appendix G: Data DVD

Appendix H: Geologist's Certificate

GEOLOGIST'S CERTIFICATE

Thomas K. Branson

1954 Charles Street,

Vancouver, B.C.

I, **THOMAS K. BRANSON**, do hereby certify that:

1. I am presently a Project Geologist with Equity Exploration Consultants Ltd. with offices at Suite 1510-250 Howe Street, Vancouver, British Columbia.

2. I am a graduate of the University of British Columbia with a Bachelor of Science degree in Earth and Ocean Science in 2007, and a graduate of Rhodes University of Grahamstown, South Africa with a Master of Science degree in Exploration Geology in 2014.

3. I am a professional geoscientist registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (#38893).

4. I am the author of the assessment report 2015 Geological and Geochemical Report on the Canopus Property prepared for Sumac Mines Ltd.

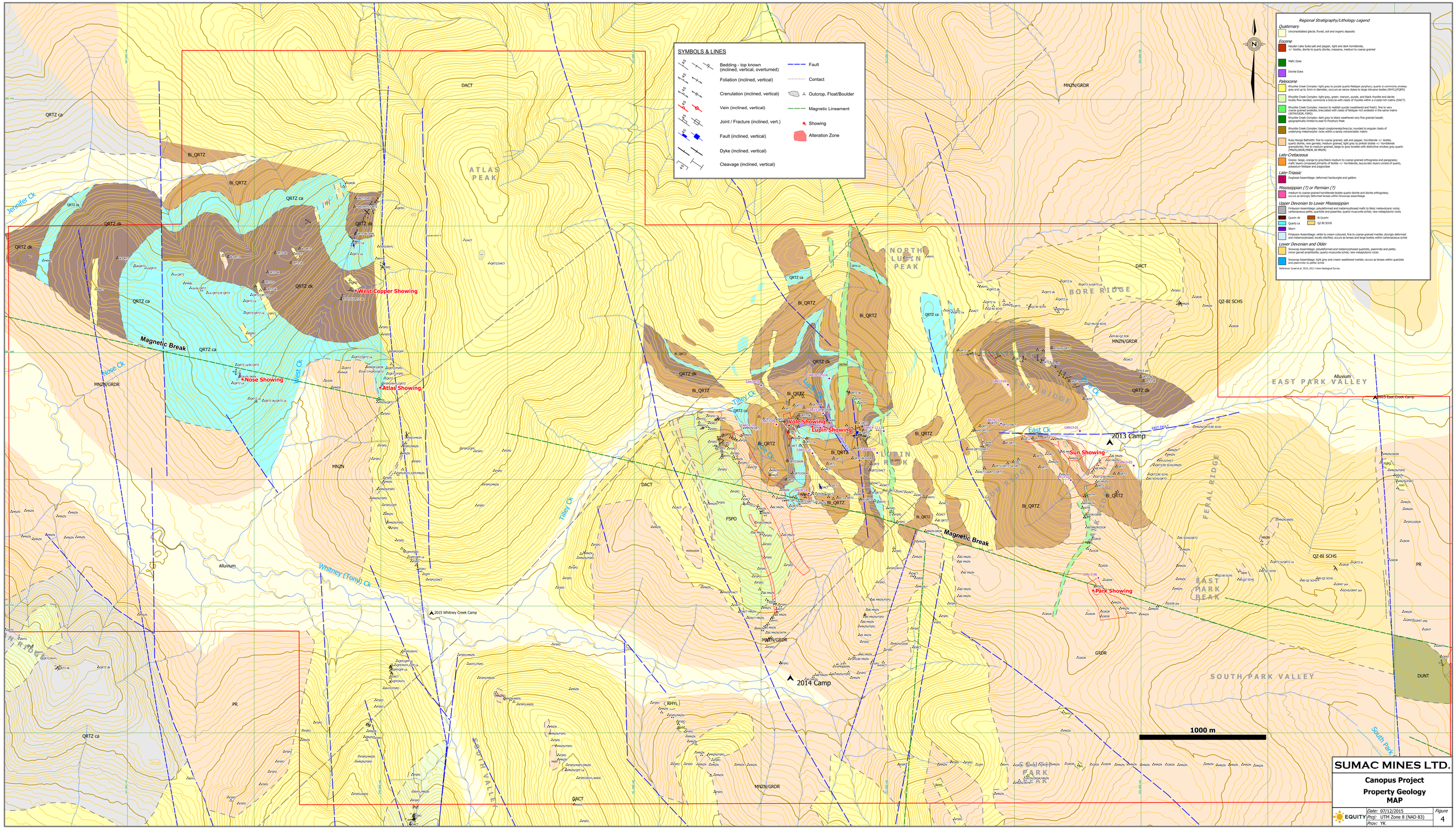
5. Since 2007, I have been a consulting geologist and have been involved in mineral exploration for gold, copper, silver, lead, zinc and uranium in Canada and Australia.

6. I was directly involved with the planning, managing and execution of the 2015 exploration program on the Canopus Property.

   Dated at Vancouver, British Columbia, this 6th day of May, 2016.

Thomas K. Branson, M.Sc., P.Geo.

Equity Exploration Consultants Ltd.



SYMBOLS & LINES
Bedding - top known (inclined, vertical, overturned)
Foliation (inclined, vertical)
Crenulation (inclined, vertical)
Vein (inclined, vertical)
Joint / Fracture (inclined, vert.)
Fault (inclined, vertical)
Dyke (inclined, vertical)
Cleavage (inclined, vertical)
Fault
Contact
Outcrop, Float/Boulder
Magnetic Lineament
Showing
Alteration Zone
Regional Stratigraphy/Lithology Legend
Quaternary
Unconsolidated glacial, fluvial, soil and organic deposits
Eocene
Hayden Lake Suite:salt and pepper, light and dark hornblende, +/- biotite, diorite to quartz diorite; massive, medium to coarse grained
Mafic Dyke
Diorite Dyke
Paleocene
Rhyolite Creek Complex: light grey to purple quartz-feldspar porphyry; quartz is commonly smokey grey and up to 3mm in diameter, occurs as narrow dykes to large intrusive bodies (RHYL)(FQPO)
Rhyolite Creek Complex: light grey, green, maroon, purple, and black rhyolite and dacite locally flow banded, commonly a breccia with clasts of rhyolite within a crystal rich matrix (DACT)
Rhyolite Creek Complex: maroon to reddish purple (weathered and fresh), fine to very coarse grained andesite, brecciated with clasts of feldspar-rich andesite in the same matrix (INTM/DIOR, FSPO)
Rhyolite Creek Complex: dark grey to black weathered very fine grained basalt; geographically limited to east fo Porphyry Peak
Rhyolite Creek Complex: basal conglomerate/breccia; rounded to angular clasts of underlying metamorphic rocks within a sandy volcaniclastic matrix
Ruby Range Batholith: fine to coarse grained, salt and pepper, hornblende +/- biotite, quartz diorite, rare garnets; medium grained, light grey to pinkish biotite +/- hornblende granodiorite; fine to medium-grained, beige to grey tonalite with distinctive smokey grey quartz (MNZN,GRDR,MNDR, 85-MNZN)
Late-Cretaceous
Gneiss: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase
Late-Triassic
Doghead Assemblage: deformed harzburgite and gabbro
Mississippian (?) or Permian (?)
medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage
Upper Devonian to Lower Mississippian
Finlayson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks, carbonaceous pelite, quartzite and psammite; quartz-muscovite schist; rare metaplutonic rocks
Quartz dk
Bi Quartz
Quartz ca
QZ-BI SCHS
Skarn
Finlayson Assemblage: white to cream-coloured, fine to coarse-grained marble; strongly deformed and metamorphosed; locally silicified; occurs as lenses and large bodies within carbonaceous schist
Lower Devonian and Older
Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist
Reference: Israel et al. 2010, 2011 Yukon Geological Survey
ATLAS PEAK
NORTH LUPIN PEAK
BORE RIDGE
EAST PARK VALLEY
SOUTH PARK VALLEY
LUPIN PEAK
FERAL RIDGE
EAST PARK PEAK
Magnetic Break
West Copper Showing
Nose Showing
Atlas Showing
Vole Showing
Lupin Showing
Sun Showing
Park Showing
2013 Camp
2014 Camp
2015 Whitney Creek Camp
2015 East Creek Camp
Jennifer Ck
Nose Ck
West Ck
Tilley Ck
Whitney (Tony) Ck
East Ck
South Park
QRTZ ca
QRTZ dk
BI_QRTZ
DACT
MNZN/GRDR
MNZN
FSPO
QZ-BI SCHS
PR
DUNT
GRDR
RHYL
Alluvium
1000 m
SUMAC MINES LTD.
Canopus Project
Property Geology
MAP
EQUITY
Date: 07/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure
4

Regional Stratigraphy/Lithology Legend

Quaternary
- Unconsolidated glacial, fluvial, soil and organic deposits

Eocene
- Hayden Lake Suite:salt and pepper, light and dark hornblende, +/- biotite, diorite to quartz diorite; massive, medium to coarse-grained
- Mafic Dyke
- Diorite Dyke

Paleocene
- Rhyolite Creek Complex: light grey to purple quartz-feldspar porphyry; quartz is commonly smokey grey and up to 3mm in diameter, accours as narrow dykes to large intrusive bodies (RHYL)(FQPO)
- Rhyolite Creek Complex: light grey, green, maroon, purple, and black rhyolite and dacite locally flow banded, commonly a breccia with clasts of rhyolite within a crystal rich matrix (DACT)
- Rhyolite Creek Complex: maroon to reddish purple (weathered and fresh), ine to very coarse grained andesite, brecciated with clasts of feldspar-rich andesite in the same matrix (DATH)(DIOR, PSPO)
- Rhyolite Creek Complex: dark grey to black weathered very fine grained basalt; geographically limited to east fo Porphyry Peak
- Rhyolite Creek Complex: basal conglomerate/breccia; rounded to angular clasts of underlying metamorphic rocks within a sandy volcaniclastic matrix
- Ruby Range Batholith: fine to coarse grained, salt and pepper, hornblende +/- biotite, quartz diorite, fine grained, medium grained, light grey to pinkish biotite +/- hornblende (PMZN,GRDR,HNDR, BI-PMZN)

Late-Cretaceous
- Granite: beige, orange to grey-black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase

Late-Triassic
- Dogtrail Assemblage: deformed harzburgite and gabbro

Mississippian (?) or Permian (?)
- medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage

Upper Devonian to Lower Mississippian
- Finlayson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammitic quartz-muscovite schist; rare metaplutonic rocks
- Quartz dk
- Bl Quartz
- Quartz ca
- QZ-BI SCHS
- Skarn
- Finlayson Assemblage: white to cream-coloured, fine to coarse-grained marble; strongly deformed and metamorphosed; locally skiffed; occurs as lenses and large bodies within carbonaceous schist

Lower Devonian and Older
- Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
- Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist

Reference: Israel et al. 2010, Yukon Geological Survey

LEGEND
- 2015 Rock Samples
- Historic Rock Samples
- 2015 Soil Samples
- Historic Soil Samples

1: 10,000

SUMAC MINES LTD.

Canopus Project

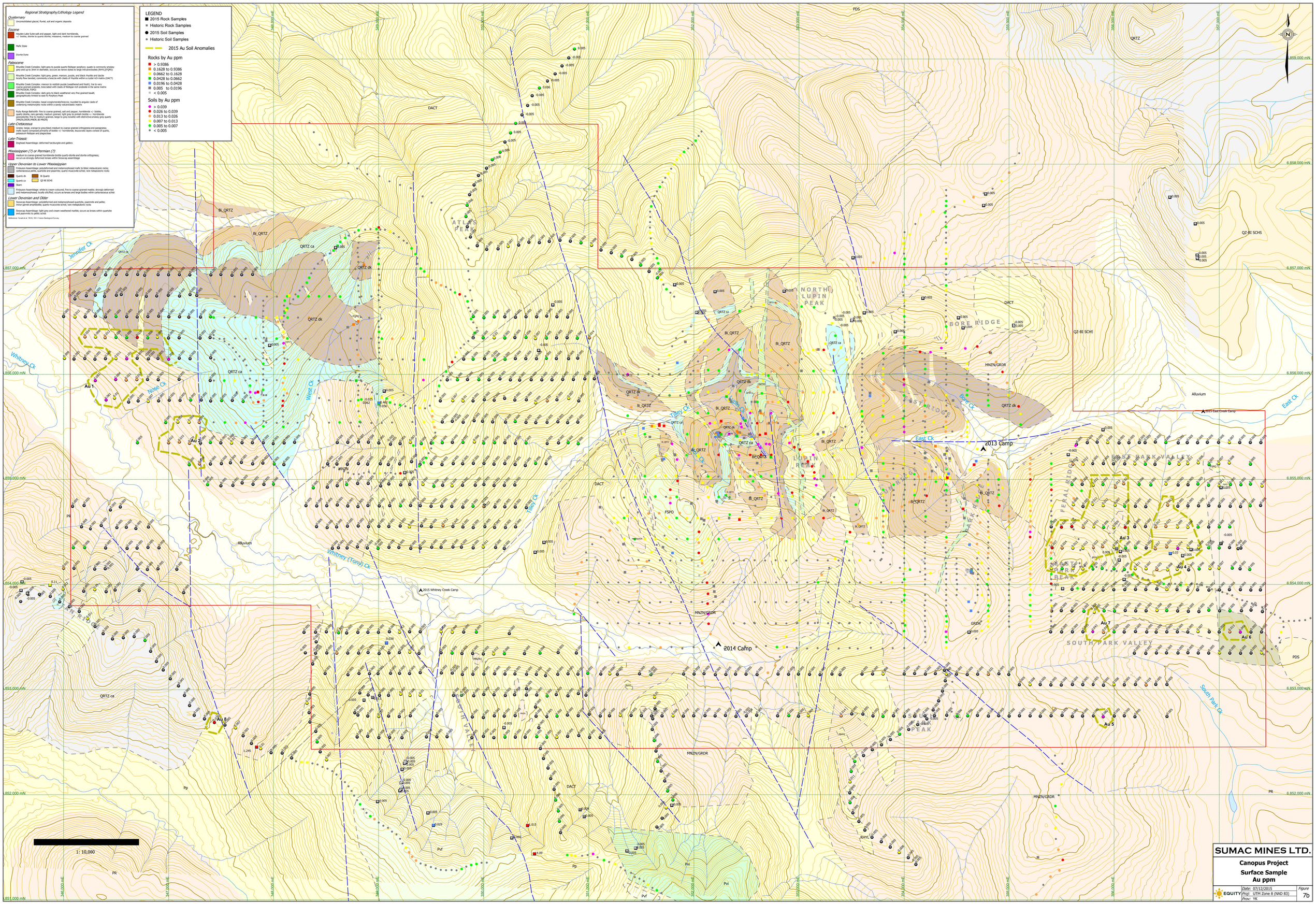
Surface Sample Locations

EQUITY

Date: 07/12/2015 | Figure 7a

Proj: UTM Zone 8 (NAD 83)

Prov: YK



Regional Stratigraphy/Lithology Legend
Quaternary
Unconsolidated glacial, fluvial, soil and organic deposits
Eocene
Hayden Lake Suite:salt and pepper, light and dark hornblende, +/- biotite, diorite to quartz diorite; massive, medium to coarse grained
Mafic Dyke
Diorite Dyke
Paleocene
Rhyolite Creek Complex: light grey to purple quartz-feldspar porphyry; quartz is commonly smokey grey and up to 2mm in diameter, occurs as narrow dykes to large intrusive bodies (RHYL)(FQPO)
Rhyolite Creek Complex: light grey, green, maroon, purple, and black rhyolite and dacite locally flow banded, commonly a breccia with clasts of rhyolite within a crystal rich matrix (DACT)
Rhyolite Creek Complex: maroon to reddish purple (weathered and fresh), fine to very coarse grained andesite, brecciated with clasts of feldspar-rich andesite in the same matrix (RHYL/DDR, FSPO)
Rhyolite Creek Complex: dark grey to black weathered very fine grained basalt; geographically limited to east fs Porphyry Peak
Rhyolite Creek Complex: basal conglomerate/breccia; rounded to angular clasts of underlying metamorphic rocks within a sandy volcaniclastic matrix
Ruby Range Batholith: fine to coarse grained, salt and pepper, hornblende +/- biotite, quartz diorite, rare garnets; medium grained, light grey to pinkish biotite +/- hornblende granodiorite; fine to medium grained, beige to grey tonalite with distinctive smokey grey quartz (PRZN,GRDR,PRDR, BI-PRZN)
Late-Cretaceous
Gneiss: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase
Late-Triassic
Dogtread Assemblage: deformed hardburgite and gabbro
Mississippian (?) or Permian (?)
medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage
Upper Devonian to Lower Mississippian
Finlayson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammite; quartz-muscovite schist; rare metaplutonic rocks
Quartz dk
Bi Quartz
Quartz ca
QZ-BI SCHS
Skarn
Finlayson Assemblage: white to cream-coloured, fine to coarse-grained marble; strongly deformed and metamorphosed; locally silicified; occurs as lenses and large bodies within carbonaceous schist
Lower Devonian and Older
Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist
Reference: Tunnel et al. 2016, 2017 Yukon Geological Survey
LEGEND
2015 Rock Samples
Historic Rock Samples
2015 Soil Samples
Historic Soil Samples
2015 Au Soil Anomalies
Rocks by Au ppm
> 0.9386
0.1628 to 0.9386
0.0662 to 0.1628
0.0428 to 0.0662
0.0196 to 0.0428
0.005 to 0.0196
< 0.005
Soils by Au ppm
> 0.039
0.026 to 0.039
0.013 to 0.026
0.007 to 0.013
0.005 to 0.007
< 0.005
Jennifer Ck
Whitney Ck
Nose Ck
West Ck
Tilley Ck
Whitney (Tony) Ck
East Ck
South Park Ck
ATLAS PEAK
NORTH LUPIN PEAK
BORE RIDGE
EAST RIDGE
LUPIN PEAK
FERAL RIDGE
EAST PARK VALLEY
SOUTH PARK VALLEY
SOUTH PARK PEAK
2013 Camp
2014 Camp
2015 Whitney Creek Camp
2015 East Creek Camp
Au 1
Au 2
Au 3
Au 4
Au 5
Au 6
Au 7
Au 8
1: 10,000
SUMAC MINES LTD.
Canopus Project
Surface Sample
Au ppm
EQUITY
Date: 07/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure
7b

Regional Stratigraphy/Lithology Legend

Quaternary
- Unconsolidated glacial, fluvial, soil and organic deposits

Eocene
- Hayden Lake Suite:salt and pepper, light and dark hornblende, +/- biotite, diorite to quartz diorite; massive, medium to coarse-grained
- Mafic Dyke
- Diorite Dyke

Paleocene
- Rhyolite Creek Complex: light grey to purple quartz-feldspar porphyry; quartz is commonly smokey grey and up to 3mm in diameter, occurs as narrow dykes to large intrusive bodies (RHYL)(FQPO)
- Rhyolite Creek Complex: light gray, green, maroon, purple, and black rhyolite and dacite locally flow banded, commonly a breccia with clasts of rhyolite within a crystal rich matrix (DACT)
- Rhyolite Creek Complex: maroon to reddish purple (weathered and fresh), live to very coarse grained andesite, brecciated with clasts of RVBXpor-rich andesite in the same matrix (DATH)(BXR, PSPO)
- Rhyolite Creek Complex: dark grey to black weathered very fine grained basalt; geographically limited to east fo Porphyry Peak
- Rhyolite Creek Complex: basal conglomerate/breccia; rounded to angular clasts of underlying metamorphic rocks within a sandy volcaniclastic matrix
- Ruby Range Batholith: fine to coarse grained, salt and pepper, hornblende +/- biotite, quartz diorite, rare garnetiy, medium grained, light grey to pinkish biotite +/- hornblende granodiorite to quartz monzonite, medium-grained, beige to grey tonalite with distinctive smokey grey quartz (PMZN,GRDR,HNDR, BI-PMZN)

Late-Cretaceous
- Granite: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase

Late-Triassic
- Dryshead Assemblage: deformed harzburgite and gabbro

Mississippian (?) or Permian (?)
- medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage

Upper Devonian to Lower Mississippian
- Finlayson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammitic quartz-muscovite schist; rare metaplutonic rocks
- Quartz dk
- Bl Quartz
- Quartz ca
- QZ-BI SCHS
- Skarn
- Finlayson Assemblage: white to cream-coloured, fine to coarse grained marble; strongly deformed and metamorphosed; locally silicified; occurs as lenses and large bodies within carbonaceous schist

Lower Devonian and Older
- Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
- Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist

Reference: Israel et al. 2015, 2011 Yukon Geological Survey

LEGEND

- 2015 Rock Samples
- Historic Rock Samples
- 2015 Soil Samples
- Historic Soil Samples
- 2015 Cu Soil Anomalies

Rocks by Cu ppm

>	5,496.4
2,692	to 5,496.4
975.2	to 2,692
339.4	to 975.2
86	to 339.4
32	to 86
<	32

Soils by Cu ppm

>	180
124	to 180
70	to 124
48	to 70
33	to 48
<	33

Cu 1 · Cu 2 · Cu 3 · Cu 4 · Cu 5 · Cu 6 · Cu 7 · Cu 8 · Cu 9 · Cu 10 · Cu 11

ATLAS PEAK · NORTH LUPIN PEAK · LUPIN RIDGE · BORE RIDGE · EAST PARK VALLEY · SOUTH PARK VALLEY · SOUTH PARK PEAK · EAST PARK RIDGE · SOUTH PARK RIDGE · WEST PARK RIDGE · WEST PARK VALLEY

Jennifer Ck · Whitney Ck · Nose Ck · West Ck · Tilley Ck · Bore Cr · East Ck · Whitney (Tonly) Ck · South Park Ck

2013 Camp · 2014 Camp · 2015 Whitney Creek Camp · 2015 East Creek Camp

QRTZ · QRTZ dk · QRTZ ca · Bl_QRTZ · DACT · FSPO · MNZN · MNZN/GRDR · GRDR · QZ-BI SCHS · RHYL · Alluvium · PDS · PR · Pp · Pvi · DUNT

1: 10,000

SUMAC MINES LTD.

Canopus Project

Surface Sample Cu ppm

EQUITY

Date: 07/12/2015 · Proj: UTM Zone 8 (NAD 83) · Prov: YK

Figure 7c

Regional Stratigraphy/Lithology Legend

Quaternary
- Unconsolidated glacial, fluvial, soil and organic deposits

Eocene
- Hayden Lake Suite:salt and pepper, light and dark hornblende, +/- biotite, diorite to quartz diorite; massive, medium to coarse grained
- Mafic Dyke
- Diorite Dyke

Paleocene
- Rhyolite Creek Complex: light grey to purple quartz-feldspar porphyry; quartz is commonly smokey grey and up to 3mm in diameter, occurs as narrow dykes to large intrusive bodies (RHYL)(FQPO)
- Rhyolite Creek Complex: light gray, green, maroon, purple, and black rhyolite and dacite locally flow banded, commonly a breccia with clasts of rhyolite within a crystal rich matrix (DACT)
- Rhyolite Creek Complex: maroon to reddish purple (weathered and fresh), live to very coarse grained andesite, brecciated with clasts of feldspar-rich andesite in the same matrix (DITH)(DIOR, FSPO)
- Rhyolite Creek Complex: dark grey to black weathered very fine grained basalt; geographically limited to east fo Porphyry Peak
- Rhyolite Creek Complex: basal conglomerate/breccia; rounded to angular clasts of underlying metamorphic rocks within a sandy volcaniclastic matrix
- Ruby Range Batholith: fine to coarse grained, salt and pepper, hornblende +/- biotite, quartz diorite, rare garnetiu, medium grained, light grey to pinkish biotite +/- hornblende granodiorite to quartz monzonite, medium grained, beige to grey tonalite with distinctive smokey grey quartz (MNZN,GRDR,HNDR, BI-PMZN)

Late-Cretaceous
- Granite: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase

Late-Triassic
- Dryshod Assemblage: deformed harzburgite and gabbro

Mississippian (?) or Permian (?)
- medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage

Upper Devonian to Lower Mississippian
- Finlayson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and pyroxenitic quartz-muscovite schist; rare metaplutonic rocks
- Quartz dk
- Bl Quartz
- Quartz ca
- QZ-BI SCHS
- Skarn
- Finlayson Assemblage: white to cream-coloured, fine to coarse grained marble; strongly deformed and metamorphosed; locally silicified; occurs as lenses and large bodies within carbonaceous schist

Lower Devonian and Older
- Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
- Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist

Reference: Israel et al. 2016, 2017 Yukon Geological Survey

LEGEND
- 2015 Rock Samples
- Historic Rock Samples
- 2015 Soil Samples
- Historic Soil Samples
- 2015 As Soil Anomalies

Rocks by As ppm
- > 566.4
- 215.2 to 566.4
- 74 to 215.2
- 36 to 74
- 11 to 36
- 4 to 11
- < 4

Soils by As ppm
- > 88
- 45 to 88
- 20 to 45
- 14 to 20
- 10 to 14
- < 10

1: 10,000

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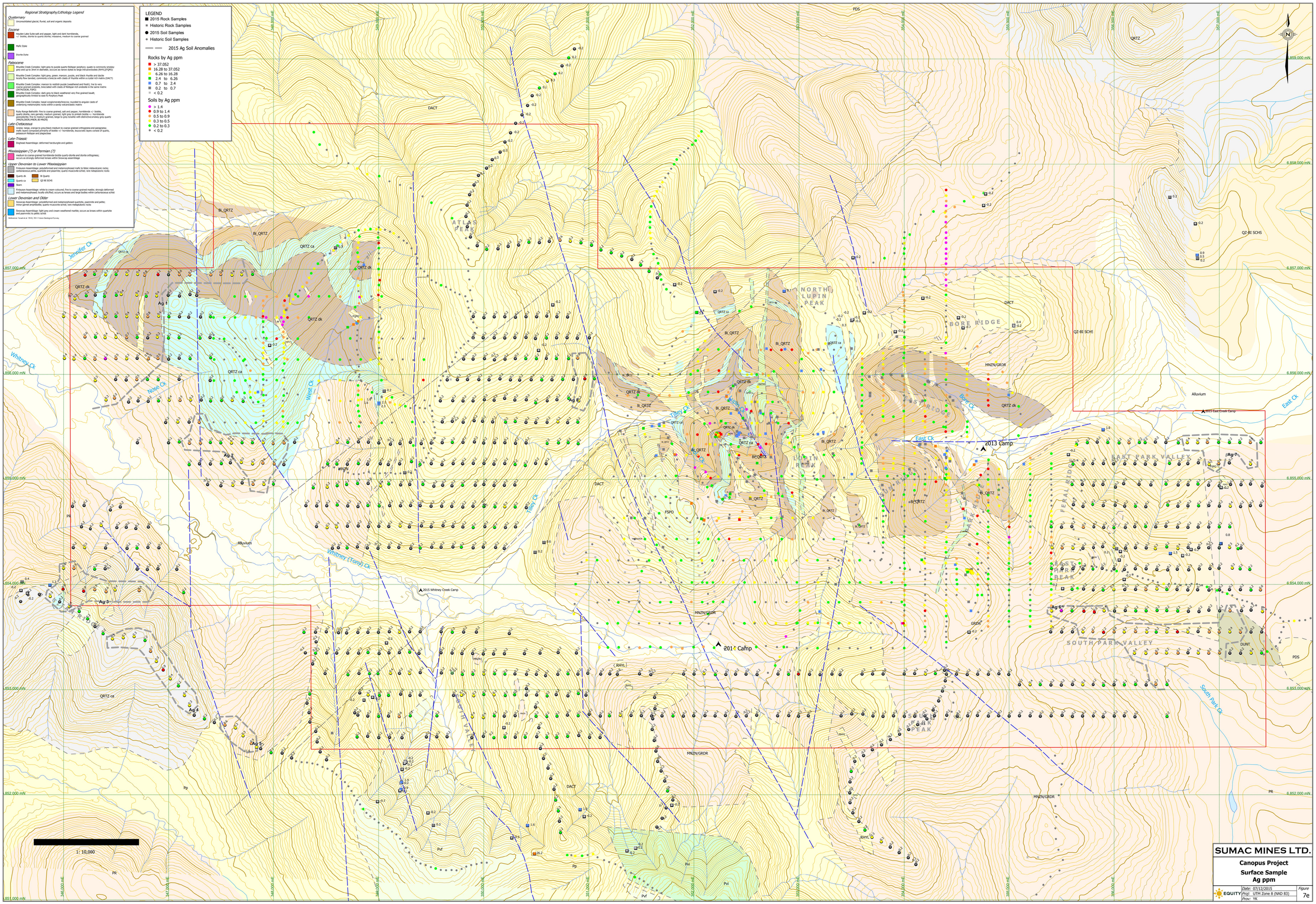
Surface Sample As ppm

EQUITY | Date: 07/12/2015 | Proj: UTM Zone 8 (NAD 83) | Prov: YK | Figure 7d



Regional Stratigraphy/Lithology Legend
Quaternary
Unconsolidated glacial, fluvial, soil and organic deposits
Eocene
Hayden Lake Suite:salt and pepper, light and dark hornblende, +/- biotite, diorite to quartz diorite; massive, medium to coarse grained
Mafic Dyke
Diorite Dyke
Paleocene
Rhyolite Creek Complex: light grey to purple quartz-feldspar porphyry; quartz is commonly smokey grey and up to 2mm in diameter, occurs as narrow dykes to large intrusive bodies (RHYL)(FQPO)
Rhyolite Creek Complex: light grey, green, maroon, purple, and black rhyolite and dacite locally flow banded, commonly a breccia with clasts of rhyolite within a crystal rich matrix (DACT)
Rhyolite Creek Complex: maroon to reddish purple (weathered and fresh), fine to very coarse grained andesite, brecciated with clasts of feldspar-rich andesite in the same matrix (RHYL/DDR, FSPO)
Rhyolite Creek Complex: dark grey to black weathered very fine grained basalt; geographically limited to east fk Porphyry Peak
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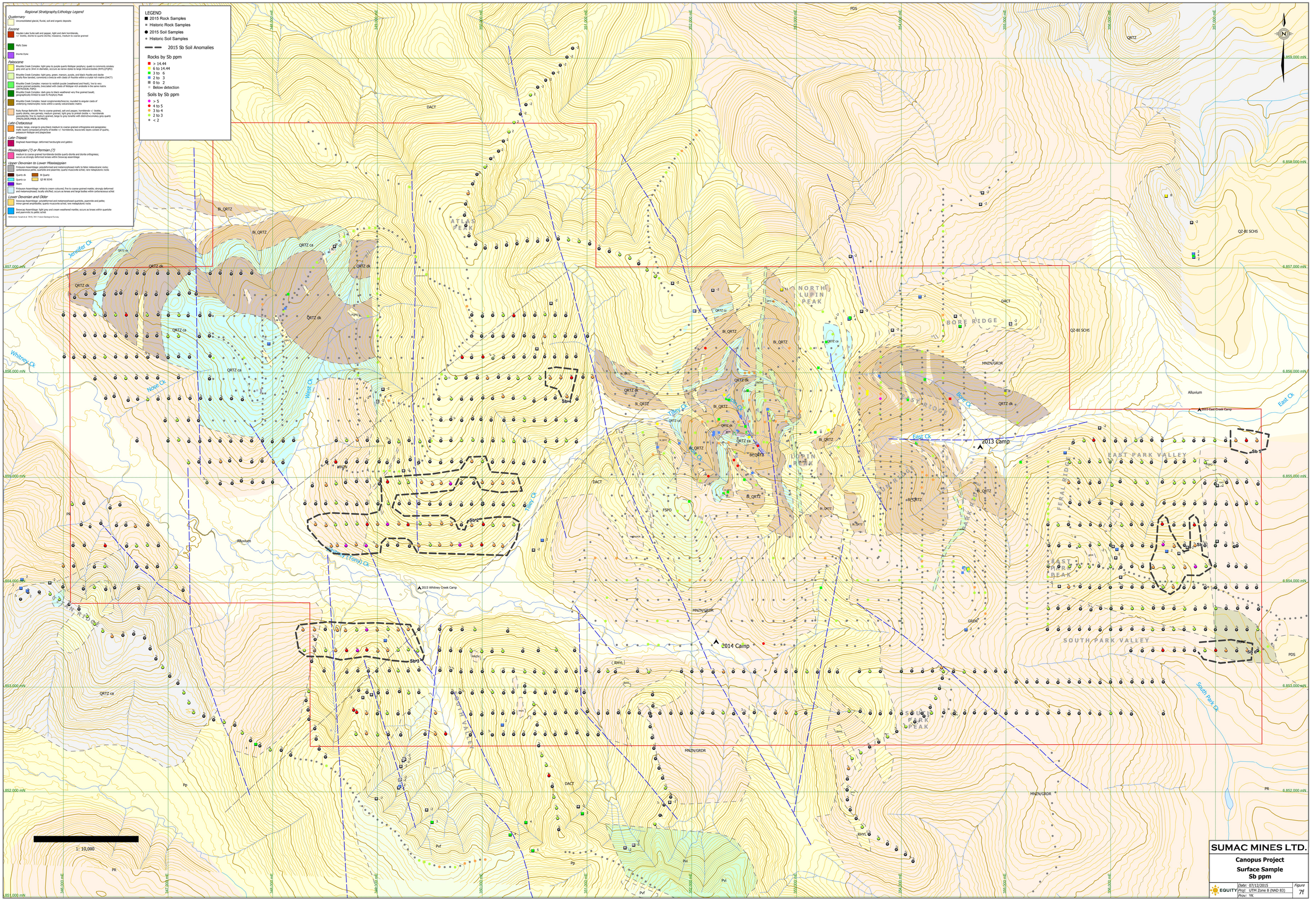
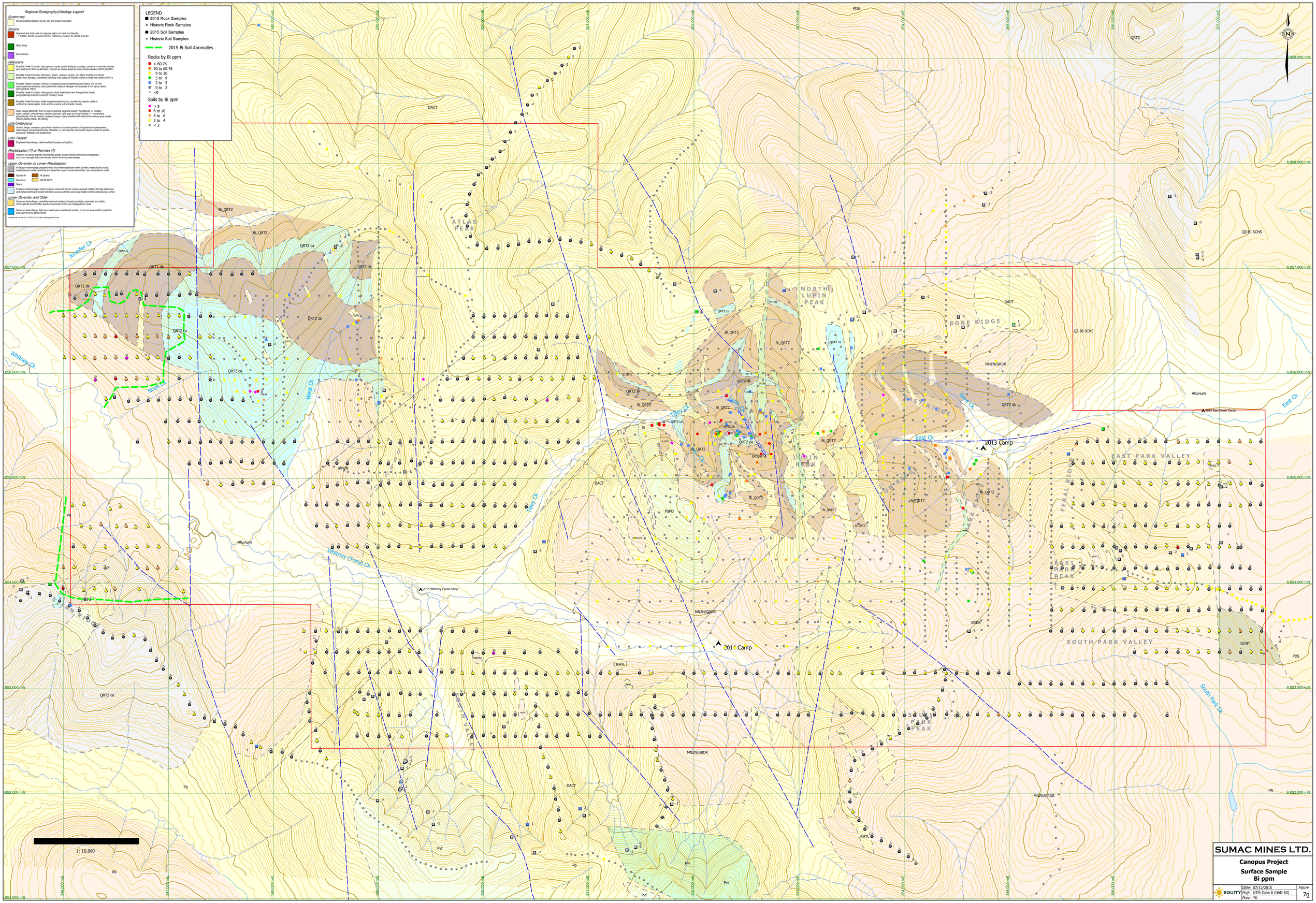
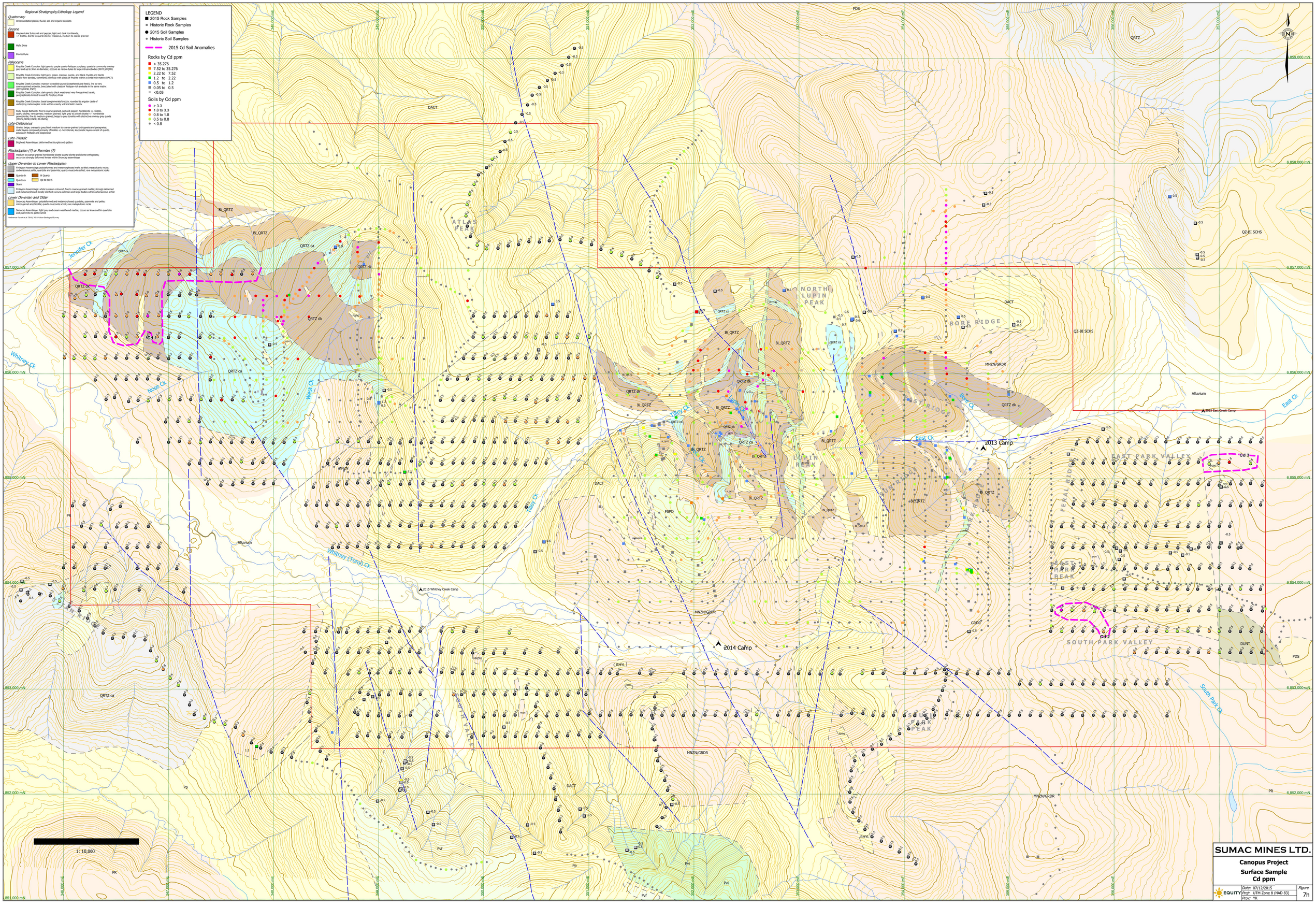
Late-Cretaceous
Gneiss: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase
Late-Triassic
Doghead Assemblage: deformed hardburgite and gabbro
Mississippian (?) or Permian (?)
medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage
Upper Devonian to Lower Mississippian
Finlayson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammite; quartz-muscovite schist; rare metaplutonic rocks
Quartz dk
Bi Quartz
Quartz ca
QZ-BI SCHS
Skarn
Finlayson Assemblage: white to cream-coloured, fine to coarse-grained marble; strongly deformed and metamorphosed; locally silicified; occurs as lenses and large bodies within carbonaceous schist
Lower Devonian and Older
Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist
Reference: Tonnel et al. 2016, 2017 Yukon Geological Survey
LEGEND
2015 Rock Samples
Historic Rock Samples
2015 Soil Samples
Historic Soil Samples
2015 Ag Soil Anomalies
Rocks by Ag ppm
> 37.052
16.28 to 37.052
6.26 to 16.28
2.4 to 6.26
0.7 to 2.4
0.2 to 0.7
< 0.2
Soils by Ag ppm
> 1.4
0.9 to 1.4
0.5 to 0.9
0.3 to 0.5
0.2 to 0.3
< 0.2
ATLAS PEAK
NORTH LUPIN PEAK
BORE RIDGE
LUPIN PEAK
EAST RIDGE
EAST PARK VALLEY
SOUTH PARK VALLEY
SOUTH PARK PEAK
FERAL RIDGE
Jennifer Ck
Whitney Ck
Nose Ck
West Ck
Tilley Ck
Bore Ck
East Ck
Whitney (Tony) Ck
South Park Ck
2013 Camp
2014 Camp
2015 Whitney Creek Camp
2015 East Creek Camp
Alluvium
Ag 1
Ag 2
Ag 3
Ag 4
Ag 5
Ag 6
Ag 7
Ag 8
1: 10,000
SUMAC MINES LTD.
Canopus Project
Surface Sample
Ag ppm
EQUITY
Date: 07/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure
7e



Regional Stratigraphy/Lithology Legend
Quaternary
Unconsolidated glacial, fluvial, soil and organic deposits
Eocene
Hayden Lake Suite:salt and pepper, light and dark hornblende, +/- biotite, diorite to quartz diorite; massive, medium to coarse grained
Mafic Dyke
Diorite Dyke
Paleocene
Rhyolite Creek Complex: light grey to purple quartz-feldspar porphyry; quartz is commonly smokey grey and up to 2mm in diameter, occurs as narrow dykes to large intrusive bodies (RHYL)(FQPO)
Rhyolite Creek Complex: light grey, green, maroon, purple, and black rhyolite and dacite locally flow banded, commonly a breccia with clasts of rhyolite within a crystal rich matrix (DACT)
Rhyolite Creek Complex: maroon to reddish purple (weathered and fresh), fine to very coarse grained andesite, brecciated with clasts of feldspar-rich andesite in the same matrix (INTH/GDR, FSPO)
Rhyolite Creek Complex: dark grey to black weathered very fine grained basalt; geographically limited to east fs Porphyry Peak
Rhyolite Creek Complex: basal conglomerate/breccia; rounded to angular clasts of underlying metamorphic rocks within a sandy volcaniclastic matrix
Ruby Range Batholith: fine to coarse grained, salt and pepper, hornblende +/- biotite, quartz diorite, rare garnets; medium grained, light grey to pinkish biotite +/- hornblende granodiorite; fine to medium grained, beige to grey tonalite with distinctive smokey grey quartz (PRDS,GRDR,PRDR, BI-PRDS)
Late-Cretaceous
Gneiss: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase
Late-Triassic
Dogheed Assemblage: deformed hardburgite and gabbro
Mississippian (?) or Permian (?)
medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage
Upper Devonian to Lower Mississippian
Pinkyson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammite; quartz-muscovite schist; rare metaplutonic rocks
Quartz dk
Bi Quartz
Quartz ca
QZ-BI SCHS
Skarn
Pinkyson Assemblage: white to cream-coloured, fine to coarse-grained marble; strongly deformed and metamorphosed; locally silicified; occurs as lenses and large bodies within carbonaceous schist
Lower Devonian and Older
Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist
Reference: Tonsel et al. 2016, 2017 Yukon Geological Survey
LEGEND
2015 Rock Samples
Historic Rock Samples
2015 Soil Samples
Historic Soil Samples
2015 Sb Soil Anomalies
Rocks by Sb ppm
> 14.44
6 to 14.44
3 to 6
2 to 3
0 to 2
Below detection
Soils by Sb ppm
> 5
4 to 5
3 to 4
2 to 3
< 2
ATLAS PEAK
NORTH LUPIN PEAK
BORE RIDGE
EAST RIDGE
LUPIN PEAK
EAST PARK VALLEY
FERAL RIDGE
EAST PARK PEAK
SOUTH PARK VALLEY
SOUTH PARK PEAK
SOUTH VALLEY
Jennifer Ck
Whitney Ck
Nose Ck
West Ck
Tilley Ck
Lupin Ck
Bore Ck
East Ck
South Park Ck
Whitney (Tony) Ck
2013 Camp
2014 Camp
2015 Whitney Creek Camp
2015 East Creek Camp
Sb 1
Sb 2
Sb 3
Sb 4
Sb 5
Sb 6
Alluvium
QRTZ dk
QRTZ ca
Bi_QRTZ
QZ-BI SCHS
MNZN/GRDR
DACT
PDS
PR
Pp
Pvf
Pvi
1: 10,000
SUMAC MINES LTD.
Canopus Project
Surface Sample
Sb ppm
EQUITY
Date: 07/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure
7f



Regional Stratigraphy/Lithology Legend
Quaternary
Unconsolidated glacial, fluvial, soil and organic deposits
Eocene
Hayden Lake Suite:salt and pepper, light and dark hornblende, +/- biotite, diorite to quartz diorite; massive, medium to coarse grained
Mafic Dyke
Diorite Dyke
Paleocene
Rhyolite Creek Complex: light grey to purple quartz-feldspar porphyry; quartz is commonly smokey grey and up to 2mm in diameter, occurs as narrow dykes to large intrusive bodies (RHYL)(FQPO)
Rhyolite Creek Complex: light grey, green, maroon, purple, and black rhyolite and dacite locally flow banded, commonly a breccia with clasts of rhyolite within a crystal rich matrix (DACT)
Rhyolite Creek Complex: maroon to reddish purple (weathered and fresh), fine to very coarse grained andesite, brecciated with clasts of feldspar-rich andesite in the same matrix (INTH/GDR, FSPO)
Rhyolite Creek Complex: dark grey to black weathered very fine grained basalt; geographically limited to east fk Porphyry Peak
Rhyolite Creek Complex: basal conglomerate/breccia; rounded to angular clasts of underlying metamorphic rocks within a sandy volcaniclastic matrix
Ruby Range Batholith: fine to coarse grained, salt and pepper, hornblende +/- biotite, quartz diorite, rare garnets; medium grained, light grey to pinkish biotite +/- hornblende granodiorite; fine to medium grained, beige to grey tonalite with distinctive smokey grey quartz (PRZN,GRDR,PRDR, BI-MNZN)
Late-Cretaceous
Gneiss: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase
Late-Triassic
Doghead Assemblage: deformed hardburgite and gabbro
Mississippian (?) or Permian (?)
medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage
Upper Devonian to Lower Mississippian
Finlayson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammite; quartz-muscovite schist; rare metaplutonic rocks
Quartz dk
Bi Quartz
Quartz ca
QZ-BI SCHS
Skarn
Finlayson Assemblage: white to cream-coloured, fine to coarse-grained marble; strongly deformed and metamorphosed; locally silicified; occurs as lenses and large bodies within carbonaceous schist
Lower Devonian and Older
Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist
Reference: Tonsel et al. 2016, 2017 Yukon Geological Survey
LEGEND
2015 Rock Samples
Historic Rock Samples
2015 Soil Samples
Historic Soil Samples
2015 Bi Soil Anomalies
Rocks by Bi ppm
> 60.76
20 to 60.76
9 to 20
5 to 9
2 to 5
0 to 2
<0
Soils by Bi ppm
> 9
6 to 10
4 to 6
2 to 4
< 2
ATLAS PEAK
NORTH LUPIN PEAK
BORE RIDGE
EAST RIDGE
LUPIN PEAK
EAST PARK VALLEY
SOUTH PARK VALLEY
SOUTH PARK PEAK
Jennifer Ck
Whitney Ck
Nose Ck
West Ck
Tilley Ck
Lupin Ck
Bore Ck
East Ck
South Park Ck
Whitney (Tony) Ck
2013 Camp
2014 Camp
2015 Whitney Creek Camp
2015 East Creek Camp
Alluvium
1: 10,000
SUMAC MINES LTD.
Canopus Project
Surface Sample
Bi ppm
EQUITY
Date: 07/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure
7g



Regional Stratigraphy/Lithology Legend
Quaternary
Unconsolidated glacial, fluvial, soil and organic deposits
Eocene
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Late-Cretaceous
Gneiss: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase
Late-Triassic
Dogheed Assemblage: deformed hardburgite and gabbro
Mississippian (?) or Permian (?)
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Upper Devonian to Lower Mississippian
Pinkyson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammite; quartz-muscovite schist; rare metaplutonic rocks
Quartz dk
Bi Quartz
Quartz ca
QZ-BI SCHS
Skarn
Pinkyson Assemblage: white to cream-coloured, fine to coarse-grained marble; strongly deformed and metamorphosed; locally silicified; occurs as lenses and large bodies within carbonaceous schist
Lower Devonian and Older
Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
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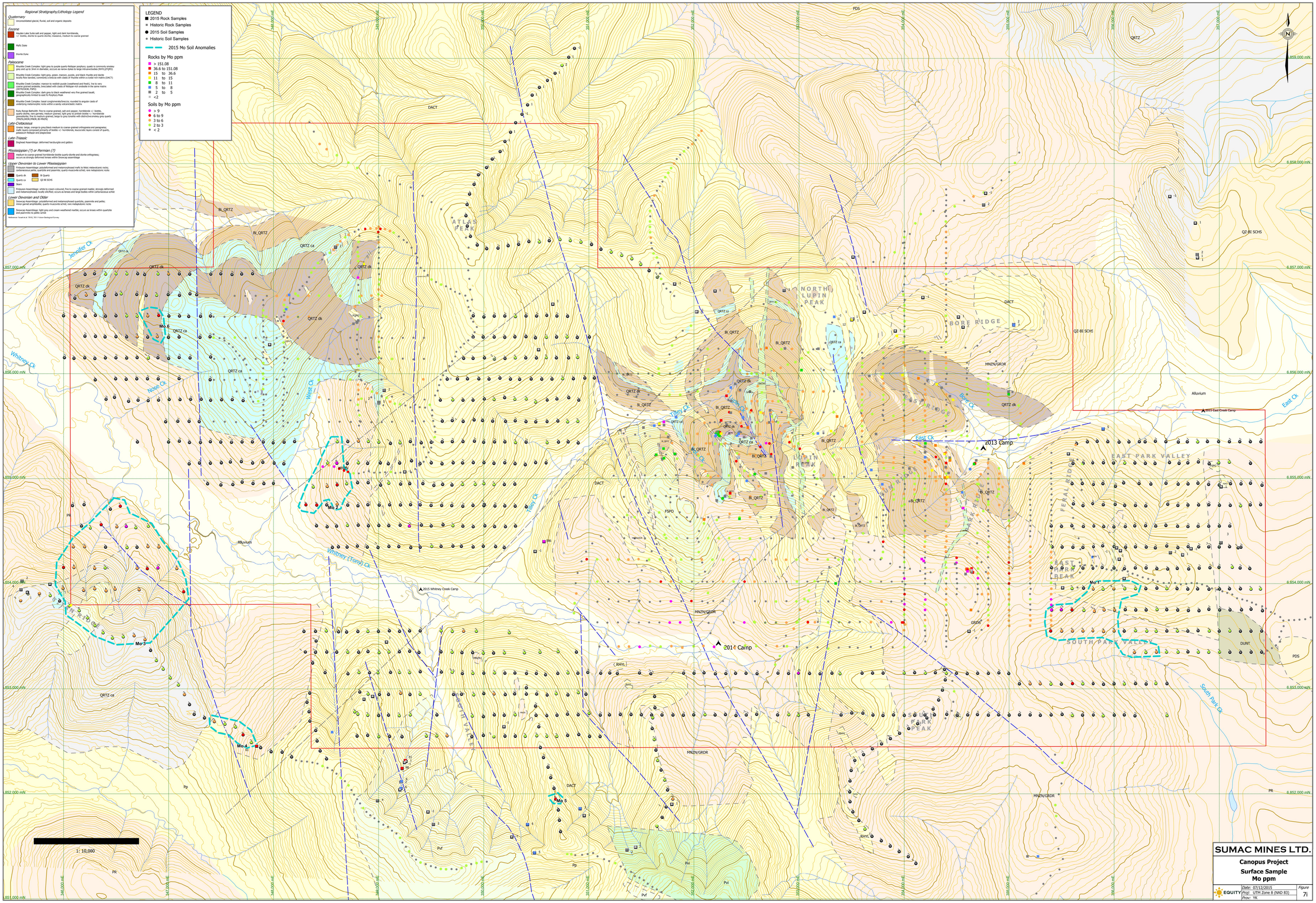
Reference: Tonsel et al. 2016, 2017 Yukon Geological Survey
LEGEND
2015 Rock Samples
Historic Rock Samples
2015 Soil Samples
Historic Soil Samples
2015 Cd Soil Anomalies
Rocks by Cd ppm
> 35.276
7.52 to 35.276
2.22 to 7.52
1.2 to 2.22
0.5 to 1.2
0.05 to 0.5
<0.05
Soils by Cd ppm
> 3.3
1.8 to 3.3
0.8 to 1.8
0.5 to 0.8
< 0.5
ATLAS PEAK
NORTH LUPIN PEAK
BORE RIDGE
EAST RIDGE
LUPIN PEAK
EAST PARK VALLEY
SOUTH PARK VALLEY
SOUTH PARK PEAK
Jennifer Ck
Whitney Ck
Nose Ck
West Ck
Tilley Ck
Lupin Ck
Bore Ck
East Ck
South Park Ck
Whitney (Tony) Ck
2013 Camp
2014 Camp
2015 Whitney Creek Camp
2015 East Creek Camp
Cd 1
Cd 2
Cd 3
1: 10,000
SUMAC MINES LTD.
Canopus Project
Surface Sample
Cd ppm
EQUITY
Date: 07/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure
7h



Regional Stratigraphy/Lithology Legend
Quaternary
Unconsolidated glacial, fluvial, soil and organic deposits
Eocene
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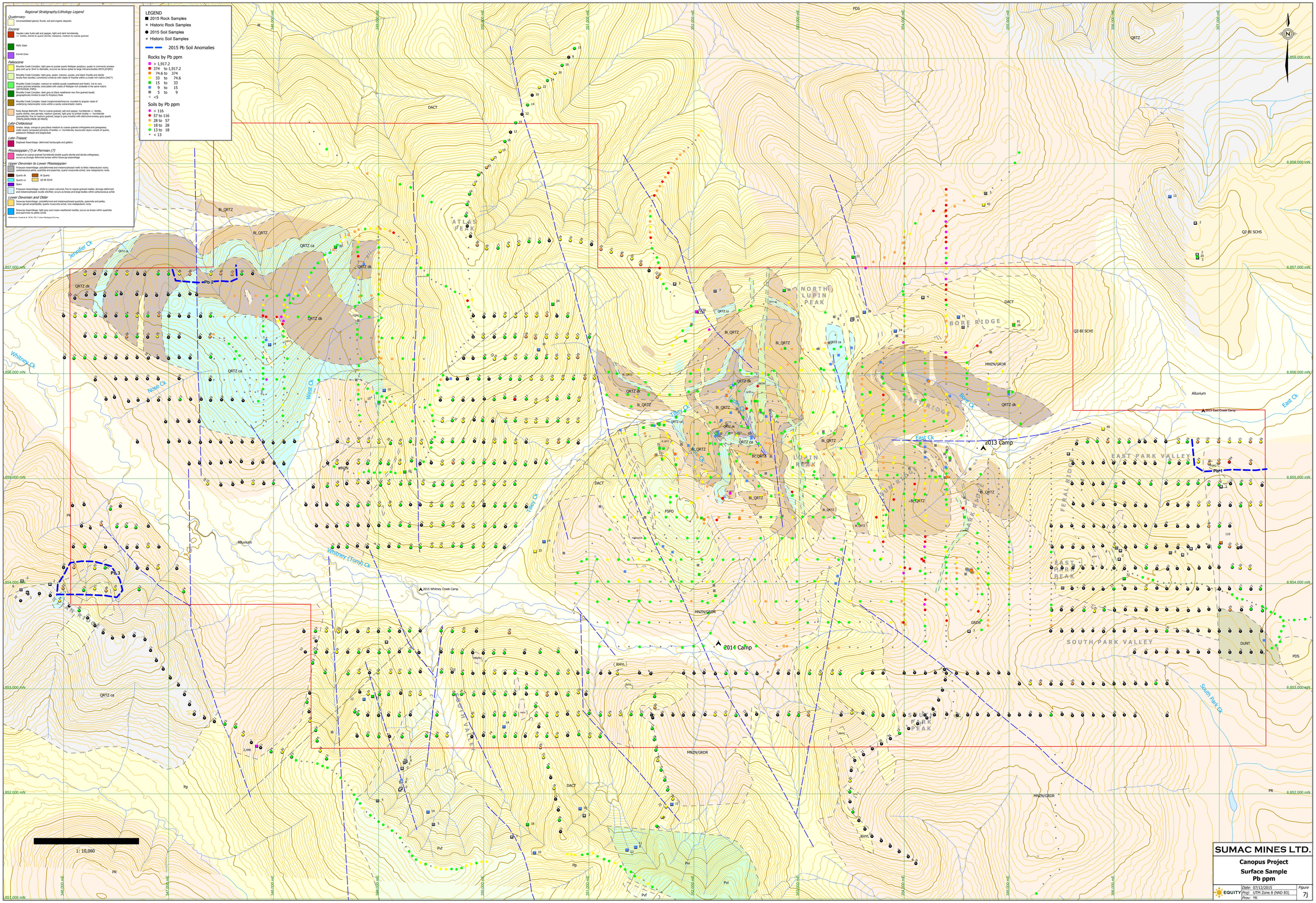
Gneiss: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase
Late-Triassic
Doghead Assemblage: deformed hardburgite and gabbro
Mississippian (?) or Permian (?)
medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage
Upper Devonian to Lower Mississippian
Pinkyron Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammite; quartz-muscovite schist; rare metaplutonic rocks
Quartz dk
Bi Quartz
Quartz ca
QZ-BI SCHS
Skarn
Pinkyron Assemblage: white to cream-coloured, fine to coarse-grained marble; strongly deformed and metamorphosed; locally silicified; occurs as lenses and large bodies within carbonaceous schist
Lower Devonian and Older
Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist
Reference: Tunnel et al. 2016, 2017 Yukon Geological Survey
LEGEND
2015 Rock Samples
Historic Rock Samples
2015 Soil Samples
Historic Soil Samples
2015 Mo Soil Anomalies
Rocks by Mo ppm
> 151.08
36.6 to 151.08
15 to 36.6
11 to 15
8 to 11
5 to 8
2 to 5
<2
Soils by Mo ppm
> 9
6 to 9
3 to 6
2 to 3
< 2
ATLAS PEAK
NORTH LUPIN PEAK
BORE RIDGE
LUPIN PEAK
EAST RIDGE
EAST PARK VALLEY
SOUTH PARK VALLEY
SOUTH PARK PEAK
SUN RIDGE
PARK RIDGE
FERAL RIDGE
Jennifer Ck
Whitney Ck
Nose Ck
West Ck
Tilley Ck
Lupin Ck
Bore Ck
East Ck
South Park Ck
Whitney (Tony) Ck
2013 Camp
2014 Camp
2015 Whitney Creek Camp
2015 East Creek Camp
Mo 1
Mo 2
Mo 3
Mo 4
Mo 5
Mo 6
1: 10,000
SUMAC MINES LTD.
Canopus Project
Surface Sample
Mo ppm
EQUITY
Date: 07/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure
7i



Regional Stratigraphy/Lithology Legend
Quaternary
Unconsolidated glacial, fluvial, soil and organic deposits
Eocene
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Late-Cretaceous
Gneiss: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase
Late-Triassic
Dogtread Assemblage: deformed hardburgite and gabbro
Mississippian (?) or Permian (?)
medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage
Upper Devonian to Lower Mississippian
Finlayson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammite; quartz-muscovite schist; rare metaplutonic rocks
Quartz dk
Bi Quartz
Quartz ca
QZ-BI SCHS
Skarn
Finlayson Assemblage: white to cream-coloured, fine to coarse-grained marble; strongly deformed and metamorphosed; locally silicified; occurs as lenses and large bodies within carbonaceous schist
Lower Devonian and Older
Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist
Reference: Tonnel et al. 2016, 2017 Yukon Geological Survey
LEGEND
2015 Rock Samples
Historic Rock Samples
2015 Soil Samples
Historic Soil Samples
2015 Pb Soil Anomalies
Rocks by Pb ppm
> 1,917.2
374 to 1,917.2
74.6 to 374
33 to 74.6
15 to 33
9 to 15
5 to 9
<5
Soils by Pb ppm
> 116
57 to 116
28 to 57
18 to 28
13 to 18
< 13
ATLAS PEAK
NORTH LUPIN PEAK
BORE RIDGE
EAST RIDGE
LUPIN PEAK
EAST PARK VALLEY
SOUTH PARK VALLEY
SOUTH PARK PEAK
Jennifer Ck
Whitney Ck
Nose Ck
West Ck
Tilley Ck
Lupin Ck
Bore Ck
East Ck
South Park Ck
Whitney (Tony) Ck
2013 Camp
2014 Camp
2015 Whitney Creek Camp
2015 East Creek Camp
Pb 2
Pb 3
Pb 1
1: 10,000
SUMAC MINES LTD.
Canopus Project
Surface Sample
Pb ppm
EQUITY
Date: 07/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure
7j

Regional Stratigraphy/Lithology Legend

Quaternary
- Unconsolidated glacial, fluvial, soil and organic deposits

Eocene
- Hayden Lake Suite:salt and pepper, light and dark hornblende, +/- biotite, diorite to quartz diorite; massive, medium to coarse-grained
- Mafic Dyke
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Paleocene
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- Rhyolite Creek Complex: dark grey to black weathered very fine grained basalt; geographically limited to east fo Porphyry Peak
- Rhyolite Creek Complex: basal conglomerate/breccia; rounded to angular clasts of underlying metamorphic rocks within a sandy volcaniclastic matrix
- Ruby Range Batholith: fine to coarse grained, salt and pepper, hornblende +/- biotite, quartz diorite, rare garnetiy, medium grained, light grey to pinkish biotite +/- hornblende granodiorite to quartz monzonite, medium-grained, biege to grey tonalite with distinctive smokey grey quartz (PROLGRDR,HNDR, BI-PROM)

Late-Cretaceous
- Granite: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase

Late-Triassic
- Dryshead Assemblage: deformed harzburgite and gabbro

Mississippian (?) or Permian (?)
- medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage

Upper Devonian to Lower Mississippian
- Finlayson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammitic quartz-muscovite schist; rare metaplutonic rocks
- Quartz dk
- Bl Quartz
- Quartz ca
- QZ-BI SCHS
- Skarn
- Finlayson Assemblage: white to cream-coloured, fine to coarse grained marble; strongly deformed and metamorphosed; locally silicified; occurs as lenses and large bodies within carbonaceous schist

Lower Devonian and Older
- Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
- Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist

Reference: Israel et al. 2010, 2011 Yukon Geological Survey

LEGEND

- 2015 Rock Samples
- Historic Rock Samples
- 2015 Soil Samples
- Historic Soil Samples
- 2015 Zn Soil Anomalies

Rocks by Zn ppm

>	2,382
710.6	to 2,382
272	to 710.6
158	to 272
96	to 158
55	to 96
27	to 55
<27	

Soils by Zn ppm

>	423
256	to 423
140	to 256
101	to 140
79	to 101
<	79

1: 10,000

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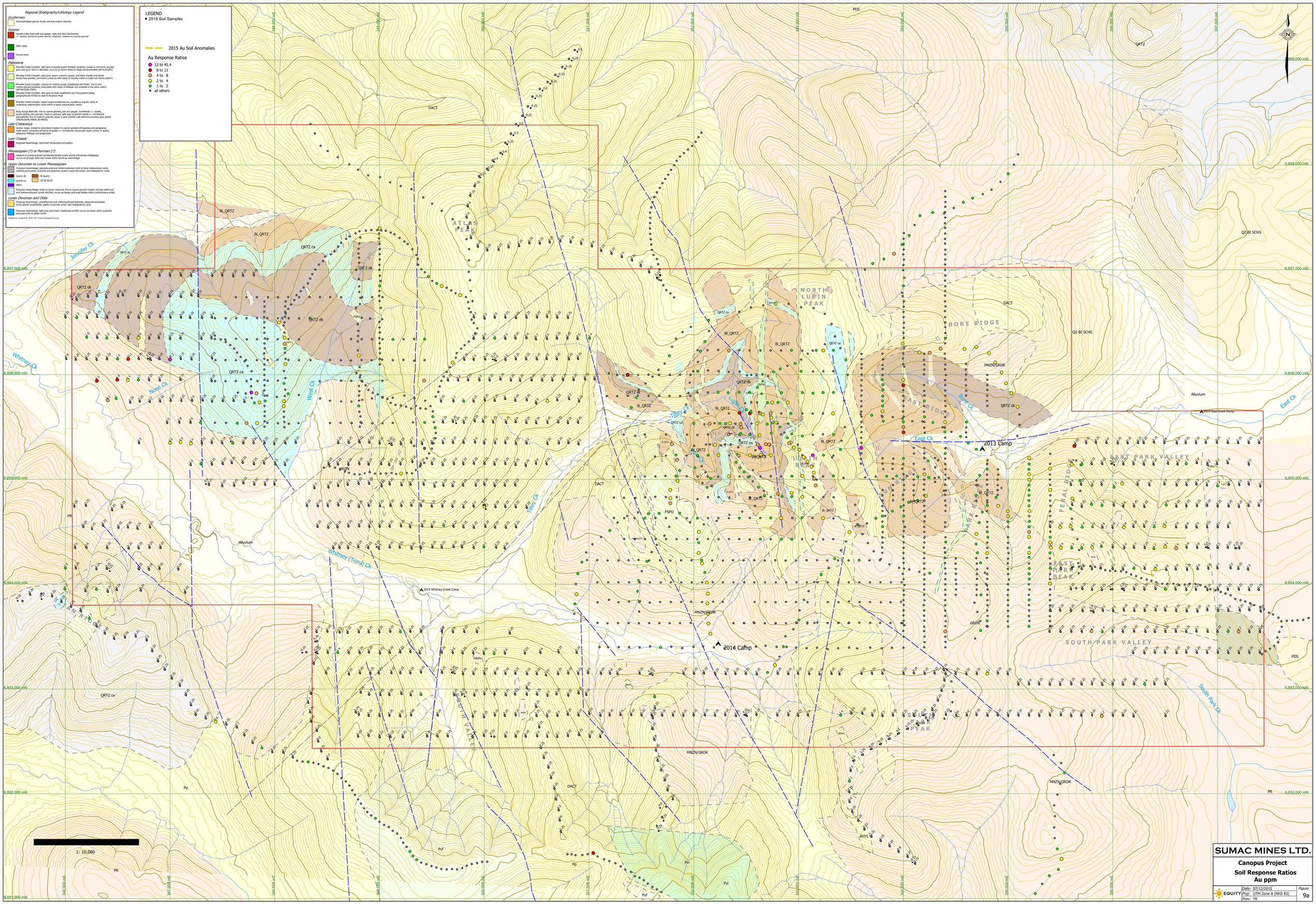
Canopus Project

Surface Sample Zn ppm

EQUITY | Date: 07/12/2015 | Proj: UTM Zone 8 (NAD 83) | Proov: YK | Figure 7k



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Upper Devonian to Lower Mississippian
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Quartz dk
B Quartz
Quartz ca
QZ-BI SCHS
Skarn
Finlayson Assemblage: white to cream-coloured, fine to coarse-grained marble; strongly deformed and metamorphosed; locally silicified; occurs as lenses and large bodies within carbonaceous schist
Lower Devonian and Older
Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelitic; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
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Reference: Tonsel et al. 2016, 2017 Yukon Geological Survey
LEGEND
2015 Soil Samples
2015 Au Soil Anomalies
Au Response Ratios
12 to 45.4
8 to 12
4 to 8
2 to 4
1 to 2
all others
ATLAS PEAK
NORTH LUPIN PEAK
BORE RIDGE
EAST RIDGE
LUPIN PEAK
EAST PARK VALLEY
FERAL RIDGE
EAST PARK PEAK
SOUTH PARK VALLEY
SOUTH PARK PEAK
SOUTH VALLEY
Jennifer Ck
Whitney Ck
Nose Ck
West Ck
Tilley Ck
Lupin Ck
Bore Ck
East Ck
Whitney (Tony) Ck
South Park Ck
2013 Camp
2014 Camp
2015 Whitney Creek Camp
2015 East Creek Camp
1: 10,000
SUMAC MINES LTD.
Canopus Project
Soil Response Ratios
Au ppm
EQUITY
Date: 07/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure
9a

Regional Stratigraphy/Lithology Legend

Quaternary
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Eocene
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Late-Cretaceous
- Granite: beige, orange to grey-black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase

Late-Triassic
- Drayhead Assemblage: deformed harzburgite and gabbro

Mississippian (?) or Permian (?)
- medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage

Upper Devonian to Lower Mississippian
- Finlayson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammitic quartz-muscovite schist; rare metaplutonic rocks
- Quartz dk
- Bl Quartz
- Quartz ca
- QZ-BI SCHS
- Skarn
- Finlayson Assemblage: white to cream-coloured, fine to coarse grained marble; strongly deformed and metamorphosed; locally skitrified; occurs as lenses and large bodies within carbonaceous schist

Lower Devonian and Older
- Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
- Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist

Reference: Israel et al. 2010, 2011 Yukon Geological Survey

LEGEND
- 2015 Soil Samples
- 2015 Cu Soil Anomalies

Cu Response Ratios
- 12 to 45.4
- 8 to 12
- 4 to 8
- 2 to 4
- 1 to 2
- all others

1: 10,000

SUMAC MINES LTD.
Canopus Project
Soil Response Ratios
Cu ppm
EQUITY
Date: 07/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure 9b

Regional Stratigraphy/Lithology Legend

Quaternary
- Unconsolidated glacial, fluvial, soil and organic deposits

Eocene
- Hayden Lake Suite:salt and pepper, light and dark hornblende, +/- biotite, diorite to quartz diorite; massive, medium to coarse grained
- Mafic Dyke
- Diorite Dyke

Paleocene
- Rhyolite Creek Complex: light grey to purple quartz-feldspar porphyry; quartz is commonly smokey grey and up to 3mm in diameter, occurs as narrow dykes to large intrusive bodies (RHYL)(FQPO)
- Rhyolite Creek Complex: light gray, green, maroon, purple, and black rhyolite and dacite locally flow banded, commonly a breccia with clasts of rhyolite within a crystal rich matrix (DACT)
- Rhyolite Creek Complex: maroon to reddish purple (weathered and fresh), live to very coarse grained andesite, brecciated with clasts of RKRbpor rich andesite in the same matrix (DKTH)(BXR, FSPO)
- Rhyolite Creek Complex: dark grey to black weathered very fine grained basalt; geographically limited to east fo Porphyry Peak
- Rhyolite Creek Complex: basal conglomerate/breccia; rounded to angular clasts of underlying metamorphic rocks within a sandy volcaniclastic matrix
- Ruby Range Batholith: fine to coarse grained, salt and pepper, hornblende +/- biotite, quartz diorites, rare garnetiu, medium grained, light grey to pinkish biotite +/- hornblende monzogranite, medium grained, beige to grey tonalite with distinctive smokey grey quartz (MNZN,GRDR,HNDR, BI-MNZN)

Late-Cretaceous
- Granite: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase

Late-Triassic
- Dryshead Assemblage: deformed harzburgite and gabbro

Mississippian (?) or Permian (?)
- medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage

Upper Devonian to Lower Mississippian
- Finlayson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammitic quartz-muscovite schist; rare metaplutonic rocks
- Quartz dk
- Bl Quartz
- Quartz ca
- QZ-BI SCHS
- Skarn
- Finlayson Assemblage: white to cream-coloured, fine to coarse grained marble; strongly deformed and metamorphosed; locally skistNd; occurs as lenses and large bodies within carbonaceous schist

Lower Devonian and Older
- Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
- Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist

Reference: Israel et al. 2010, 2011 Yukon Geological Survey

LEGEND

- 2015 Soil Samples
- 2015 As Soil Anomalies

As Response Ratios
- 12 to 45.4
- 8 to 12
- 4 to 8
- 2 to 4
- 1 to 2
- all others

ATLAS PEAK
NORTH LUPIN PEAK
BORE RIDGE
EAST BORE RIDGE
EAST PARK VALLEY
SOUTH PARK VALLEY
SOUTH LUPIN RIDGE
SOUTH PARK PEAK
LUPIN RIDGE
LUPIN PEAK
FEAL RIDGE
PARK RIDGE

Jennifer Ck
Whitney Ck
Nose Ck
West Ck
Tilley Ck
Lupin Ck
Bore Ck
East Ck
Whitney (Tonyl) Ck
South Park Ck

2015 East Creek Camp
2013 Camp
2015 Whitney Creek Camp
2014 Camp

1: 10,000

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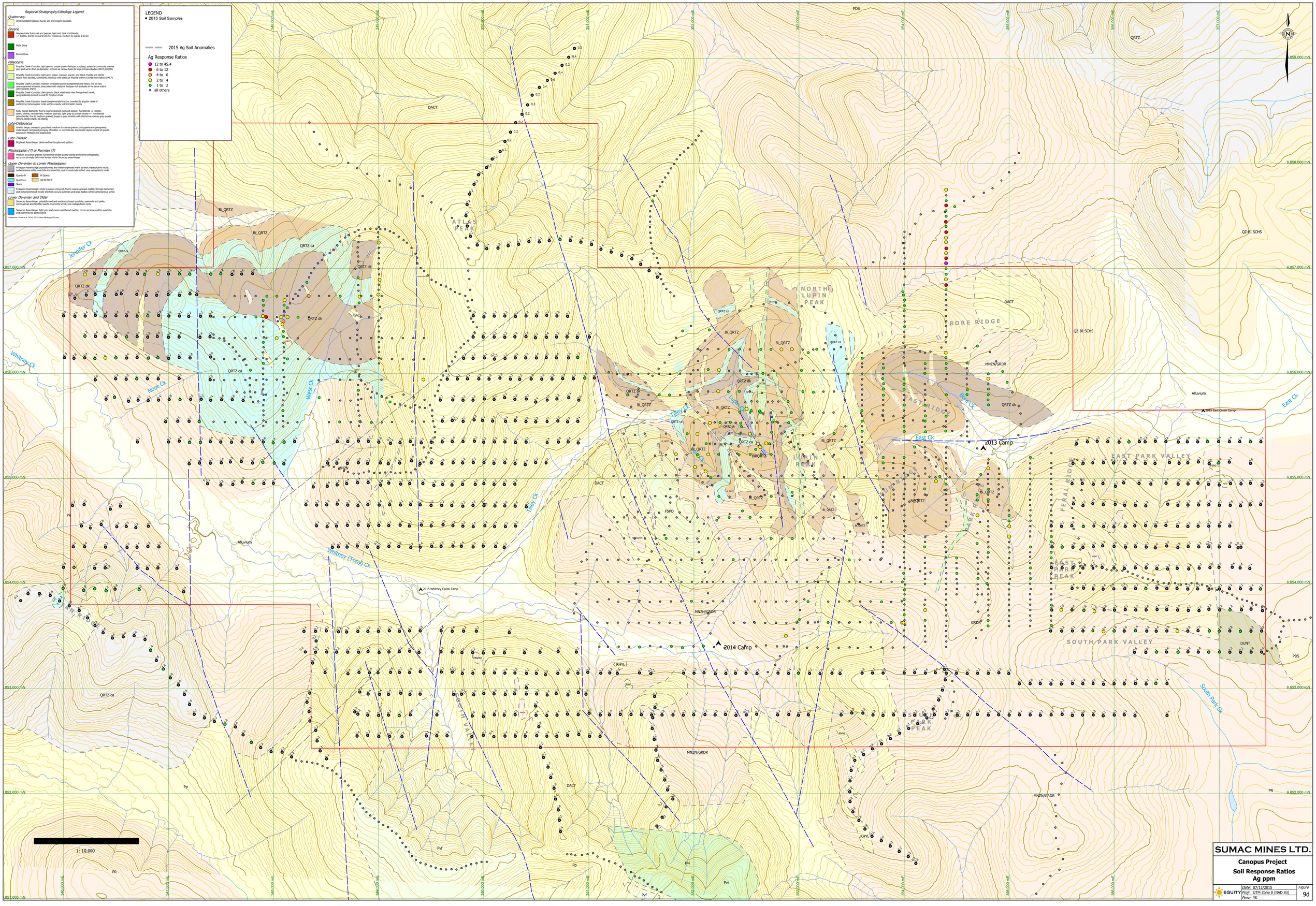
Canopus Project

Soil Response Ratios As ppm

EQUITY | Date: 07/12/2015 | Proj: UTM Zone 8 (NAD 83) | Prov: YK | Figure 9c



Regional Stratigraphy/Lithology Legend
Quaternary
Unconsolidated glacial, fluvial, soil and organic deposits
Eocene
Hayden Lake Suite:salt and pepper, light and dark hornblende, +/- biotite, diorite to quartz diorite; massive, medium to coarse grained
Mafic Dyke
Diorite Dyke
Paleocene
Rhyolite Creek Complex: light grey to purple quartz-feldspar porphyry; quartz is commonly smokey grey and up to 2mm in diameter, occurs as narrow dykes to large intrusive bodies (RHYL)(FQPO)
Rhyolite Creek Complex: light grey, green, maroon, purple, and black rhyolite and dacite locally flow banded, commonly a breccia with clasts of rhyolite within a crystal rich matrix (DACT)
Rhyolite Creek Complex: maroon to reddish purple (weathered and fresh), fine to very coarse grained andesite, brecciated with clasts of feldspar-rich andesite in the same matrix (INTH/GRDR, FSPO)
Rhyolite Creek Complex: dark grey to black weathered very fine grained basalt; geographically limited to east fk Porphyry Peak
Rhyolite Creek Complex: basal conglomerate/breccia; rounded to angular clasts of underlying metamorphic rocks within a sandy volcaniclastic matrix
Ruby Range Batholith: fine to coarse grained, salt and pepper, hornblende +/- biotite, quartz diorite, rare garnets; medium grained, light grey to pinkish biotite +/- hornblende granodiorite; fine to medium-grained, beige to grey tonalite with distinctive smokey grey quartz (PRZN,GRDR,PRDR, BI-MNZN)
Late-Cretaceous
Gneiss: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase
Late-Triassic
Dogheed Assemblage: deformed hardburgite and gabbro
Mississippian (?) or Permian (?)
medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage
Upper Devonian to Lower Mississippian
Finlayson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammite; quartz-muscovite schist; rare metaplutonic rocks
Quartz dk
Quartz ca
Skarn
B Quartz
QZ-BI SCHS
Finlayson Assemblage: white to cream-coloured, fine to coarse-grained marble; strongly deformed and metamorphosed; locally silicified; occurs as lenses and large bodies within carbonaceous schist
Lower Devonian and Older
Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist
Reference: Tonnel et al. 2016, 2017 Yukon Geological Survey
LEGEND
2015 Soil Samples
2015 Ag Soil Anomalies
Ag Response Ratios
12 to 45.4
6 to 12
4 to 6
2 to 4
1 to 2
all others
ATLAS PEAK
NORTH LUPIN PEAK
BORE RIDGE
EAST RIDGE
LUPIN PEAK
EAST PARK VALLEY
FERAL RIDGE
EAST PARK PEAK
SOUTH PARK VALLEY
SOUTH PARK PEAK
SOUTH VALLEY
Jennifer Ck
Whitney Ck
Nose Ck
West Ck
Tilley Ck
Lupin Ck
Bore Ck
East Ck
Whitney (Tony) Ck
South Park Ck
2013 Camp
2014 Camp
2015 East Creek Camp
2015 Whitney Creek Camp
1: 10,000
SUMAC MINES LTD.
Canopus Project
Soil Response Ratios
Ag ppm
EQUITY
Date: 07/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure
9d

Regional Stratigraphy/Lithology Legend

Quaternary
- Unconsolidated glacial, fluvial, soil and organic deposits

Eocene
- Hayden Lake Suite:salt and pepper, light and dark hornblende, +/- biotite, diorite to quartz diorite; massive, medium to coarse-grained
- Mafic Dyke
- Diorite Dyke

Paleocene
- Rhyolite Creek Complex: light grey to purple quartz-feldspar porphyry; quartz is commonly smokey grey and up to 3mm in diameter, occurs as narrow dykes to large intrusive bodies (RHYL)(FQPO)
- Rhyolite Creek Complex: light grey, green, maroon, purple, and black rhyolite and dacite lacutis flow banded, commonly a breccia with clasts of rhyolite within a crystal rich matrix (DACT)
- Rhyolite Creek Complex: maroon to reddish purple (weathered and fresh), live to very coarse grained andesite, brecciated with clasts of feldspar-rich andesite in the same matrix (INTR)(BXIR, FSPO)
- Rhyolite Creek Complex: dark grey to black weathered very fine grained basalt; geographically limited to east fo Porphyry Peak
- Rhyolite Creek Complex: basal conglomerate/breccia; rounded to angular clasts of underlying metamorphic rocks within a sandy volcaniclastic matrix
- Ruby Range Batholith: fine to coarse grained, salt and pepper, hornblende +/- biotite, quartz diorites, rare garnetiu, medium grained, light grey to pinkish biotite +/- hornblende granodiorite, medium-grained, beige to grey tonalite with distinctive smokey grey quartz (MNZN,GRDR,HNDR, BI-PRPO)

Late-Cretaceous
- Granite: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase

Late-Triassic
- Dorphead Assemblage: deformed harzburgite and gabbro

Mississippian (?) or Permian (?)
- medium to coarse-grained hornblende-biotite quartz-diorite and diorite orthogneiss; occurs as strongly deformed lenses within Snowcap assemblage

Upper Devonian to Lower Mississippian
- Finlayson Assemblage: polydeformed and metamorphosed mafic to felsic metavolcanic rocks; carbonaceous pelite, quartzite and psammitic quartz-muscovite schist; rare metaplutonic rocks
- Quartz dk
- Bi Quartz
- Quartz ca
- QZ-BI SCHS
- Skarn
- Finlayson Assemblage: white to cream-coloured, fine to coarse grained marble; strongly deformed and metamorphosed; locally silicified; occurs as lenses and large bodies within carbonaceous schist

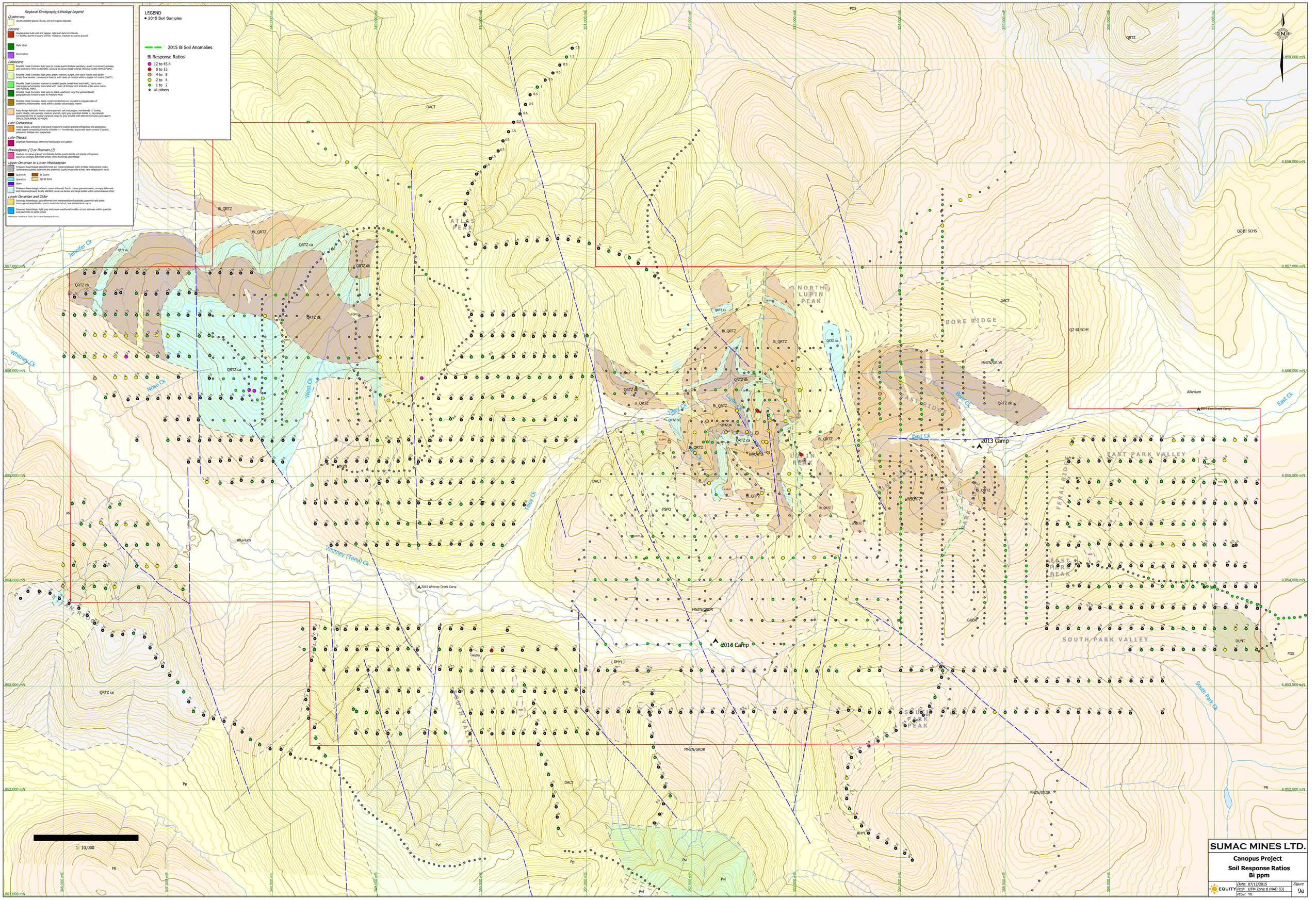
Lower Devonian and Older
- Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
- Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist

Reference: Israel et al. 2010, Yukon Geological Survey

LEGEND

- 2015 Soil Samples
- 2015 Bi Soil Anomalies

Bi Response Ratios
- 12 to 45.4
- 8 to 12
- 4 to 8
- 2 to 4
- 1 to 2
- all others



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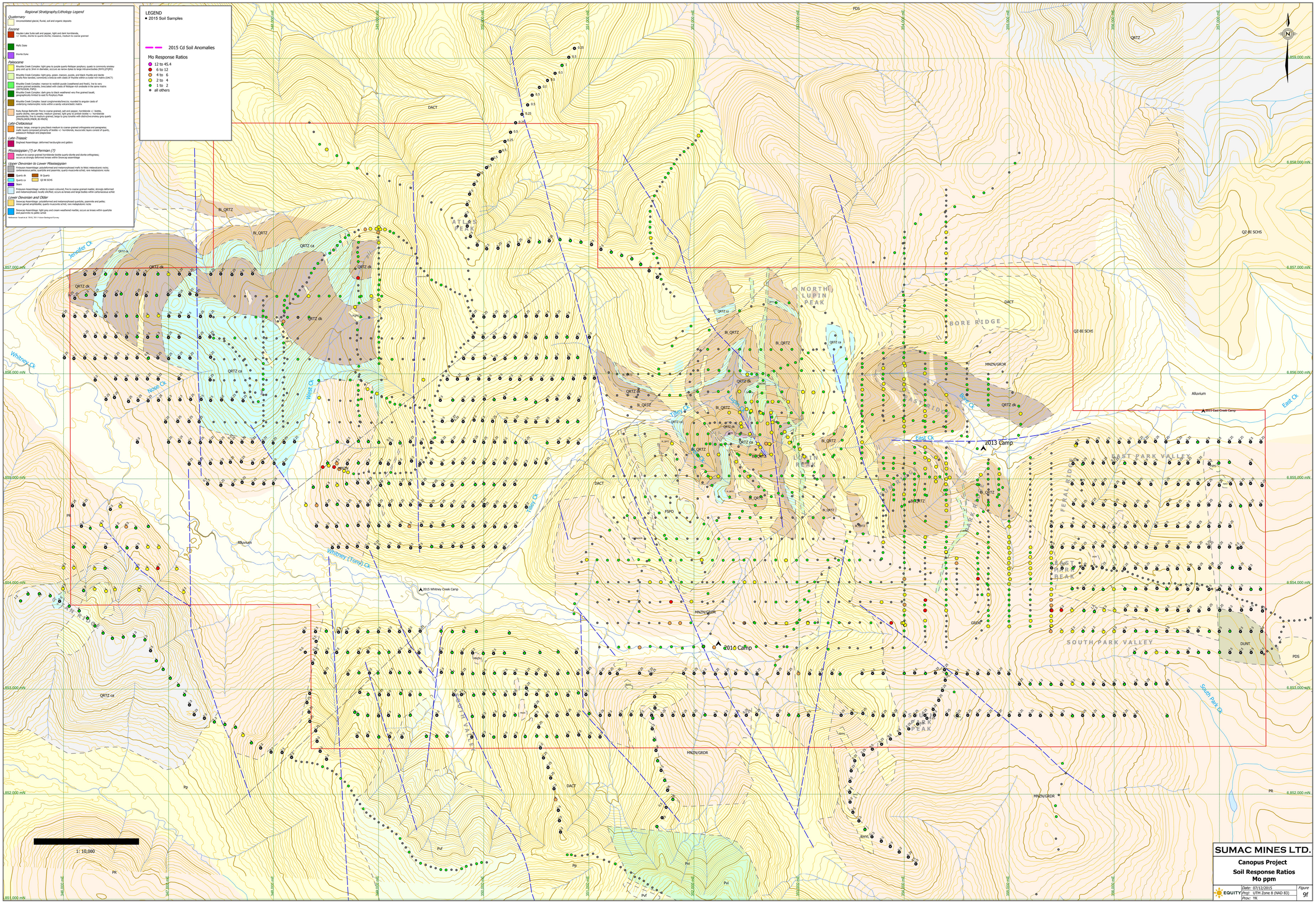
Soil Response Ratios
Bi ppm

EQUITY | Date: 07/12/2015 | Proj: UTM Zone 8 (NAD 83) | Proj+: YK | Figure 9e



Regional Stratigraphy/Lithology Legend
Quaternary
Unconsolidated glacial, fluvial, soil and organic deposits
Eocene
Hayden Lake Suite:salt and pepper, light and dark hornblende, +/- biotite, diorite to quartz diorite; massive, medium to coarse grained
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Late-Cretaceous
Granite: beige, orange to grey/black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase
Late-Triassic
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Quartz dk
B Quartz
Quartz ca
QZ-BI SCHS
Skarn
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Lower Devonian and Older
Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist
Reference: Tonnel et al. 2016, 2015 Yukon Geological Survey
LEGEND
2015 Soil Samples
2015 Cd Soil Anomalies
Mo Response Ratios
12 to 45.4
6 to 12
4 to 6
2 to 4
1 to 2
all others
ATLAS PEAK
NORTH LUPIN PEAK
BORE RIDGE
EAST PARK VALLEY
SOUTH PARK VALLEY
2013 Camp
2015 Whitney Creek Camp
2015 East Creek Camp
Jennifer Ck
Whitney Ck
Nose Ck
West Ck
Tilley Ck
Lupin Ck
Bore Ck
East Ck
South Park Ck
Whitney (Tony) Ck
DACT
QRTZ dk
QRTZ ca
BI_QRTZ
QZ-BI SCHS
MNZN/GRDR
Alluvium
FSPO
PR
Pp
Pvf
Pvi
RHYL
DUNT
PDS
1: 10,000
SUMAC MINES LTD.
Canopus Project
Soil Response Ratios
Mo ppm
EQUITY
Date: 07/12/2015
Proj: UTM Zone 8 (NAD 83)
Prov: YK
Figure
9f

Regional Stratigraphy/Lithology Legend

Quaternary
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- Granite: beige, orange to grey-black medium to coarse-grained orthogneiss and paragneiss; mafic layers composed primarily of biotite +/- hornblende, leucocratic layers consist of quartz, potassium feldspar and plagioclase

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- Bl Quartz
- Quartz ca
- QZ-BI SCHS
- Skarn
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- Snowcap Assemblage: polydeformed and metamorphosed quartzite, psammite and pelite; minor garnet amphibolite; quartz-muscovite schist; rare metaplutonic rocks
- Snowcap Assemblage: light grey and cream weathered marble; occurs as lenses within quartzite and psammitic to pelitic schist

Reference: Israel et al. 2010, 2011 Yukon Geological Survey

LEGEND

- 2015 Soil Samples
- 2015 Zn Soil Anomalies

Zn Response Ratios
- 12 to 45.4
- 8 to 12
- 4 to 8
- 2 to 4
- 1 to 2
- all others

1: 10,000

SUMAC MINES LTD.

Canopus Project

Soil Response Ratios

Zn ppm

EQUITY | Date: 07/12/2015 | Proj: UTM Zone 8 (NAD 83) | Prov: YK | Figure 9g