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BC Geological Survey

Assessment Report
Title Page and Summary

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

TOTAL COST: $26,905.86

AUTHOR(S): Andris Kikauka

SIGNATURE(S): A. Kikauka

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

YEAR OF WORK:

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5570766, 5570770, 5571365, 5571367, 5573772, 5573775

PROPERTY NAME: Summit Lake

CLAIM NAME(S) (on which the work was done): 515878, 515633, 516120

COMMODITIES SOUGHT: Au-Ag (Cu-Pb-Zn)

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 104B 036, 104B 037, 104B 074, 104B 139, 104B 436, 104B 648-650

MINING DIVISION: Skeena

NTS/BCGS: 104 B 1, 104B 019, 020, 029, 030

LATITUDE: 56 ° 12 ' 15 " **LONGITUDE:** 130 ° 08 ' 17 " (at centre of work)

OWNER(S):
1) Eilat Exploration Ltd
2)

MAILING ADDRESS:
5637 Baillie St
Vancouver BC V5Z 3M7

OPERATOR(S) [who paid for the work]:
1) Same
2)

MAILING ADDRESS:

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Lower Jurassic Unuk R. Fm tuff/flow, epiclastics, intruded by Early Jurassic Summit Lake stock orthoclase porphyry resulting in low grade metamorphism - aureole metasomatic hornblende, schist, and quartz-sericite-carbonate-pyrite alteration. Au-Ag bearing sulphides include massive pyrite-pyrrhotite, minor chalcopyrite, galena, arsenopyrite infilling NE & N trending fissures

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 23102, 23553, 24127, 24192, 25677, 26378, 27163, 27448, 10738, 12342, 16768, 10738, 12342, 23874, 27502, 23553, 20987, 33386, 11987, 8520, 33511, 17016

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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil	25, ALS MS41L ICP-MS, Au ICP21	515633	5,841.36
Silt			
Rock	33, ALS 35 element ICP, Au-Ag 30g FA-GRAV, Bur Ver	515878, 515633, 516120	8,934.00
Other	9, soil ABA, metal leach test	515633	10,825.00
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic	3 samples petrographic descriptions	515633, 516120	1,305.50
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	26,905.86

GEOCHEMICAL & PETROGRAPHIC REPORT

SUMMIT LAKE PROJECT
SUMMIT LAKE, STEWART AREA
BRITISH COLUMBIA, CANADA

NTS 104B/01E - BCGS 104B.019, 104B.020, 104B.029
Center of property location coordinates
56°12' 15" N Latitude 130°08' 17" W Longitude
UTM Zone 9, NAD83 429398 E, 6229386 N
Skeena Mining Division

Owner/Operator:
Eilat Exploration Ltd.
5637 Baillie St., Vancouver, B.C.,
V5Z 3M7

Prepared by:
Andris Kikauka, P Geo.
4199 Highway 101
Powell River, BC V8A 0C7

January 12, 2016

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Photo 1. Summit Lake (dry lakebed) looking southeast at Mt Dillworth

1 Summary

This report was prepared by Andris Kikauka, P.Geo. at the request of Eilat Exploration Ltd ("Eilat") (Rod Salinger, President), to describe and evaluate the results of geological (field descriptions and petrographic reports) and geochemical surveys (including rock and soil sampling) carried out by company personnel in the summer and autumn of 2015 on the Summit Lake Project. This report supports event numbers 5570766, 5570770, 5571365 5571367, 5573772, 5573775, 5583246, for a total work filed and PAC debit of $30,547.76

The goals of the Eilat 2015 exploration program were to:

a) Examine the relationship of metal values ratios in various mineralized outcrops on the eastern portion of Eilat's Summit Lake Project with a view to determining the genesis of the variously mineralizing events associated with the outcrops.

b) Conduct a soil sample survey of the now dry lake bed of Summit Lake in order to determine areas of geological interest.

c) Assess any environmental issues that may be involved with a future planned exploration program of the bottom of Summit Lake, where such a program would disturb the sediments overlaying bedrock on the bottom of Summit Lake, by trenching and or drilling and in particular to determine the impact of any Acid Rock Drainage ("ARD") and Heavy Metal leaching ("ML") that may occur due to disturbance of the mine tailings that were dumped into Summit Lake during the operation of the Scottie Mine in the late 1970's and early 1980's.

The soil sample exploration program was successful in that:

1. It resulted in the discovery of an previously undisturbed and apparent outcrop of sulphide rich gold bearing mineralization with positive gold values resulting in assays up to 7.1 g/t Au. Provided at what has been named the Yom Kippur site sample 2015-059 and of a sample returning 19.05 g/t Au at the sample site of 2015-064.

2. The assay results for the rock samples taken and correlation of data with metal value vs. metal value trend analysis has provided valuable information in better understanding the nature of mineralization of the site.

The results of the study of the ARD and ML potential of disturbing mine tailings is ongoing with results from ALS environmental labs pending.

Property Overview

The Summit lake property is comprised of 19 contiguous mineral tenures situated in the Skeena Mining Division (ID # 508248, 508249, 515627, 515629, 515633, 515877, 515878, 516101, 516103, 516104, 516106, 516107, 516111, 516120, 519589, 519592, 527242, 583912, & 993684) (the "Summit Lake Group of Claims").

Exploration Activities

Fieldwork by Eilat Explorations Ltd in 2015 was carried out on MTO mineral tenures 515878, 515633, & 516120 (located in the northeast portion of the claim group). The claims cover an area of 6,281.81 hectares (15,520.99 acres), owned 100% by Eilat Exploration Ltd (FMC 252668).

Geochemical sampling by Eilat Exploration Ltd in 2015 consisted of 30 rock, 25 soil (natural undisturbed sites), and 9 soil from mine waste sites. Rock chip sampling was carried

out in an area centered at 432865 E, 6232778 N elevation 1077 m, approximately 800 m SSW of Granduc Portal (on east portion of MTO tenures 515878 & 516120). This area is immediately west of the Scottie Mine Camp Portal (433403 E, 6232740, elevation 842 m). The Scottie Camp Portal is located approximately 165 meters east of MTO tenure 515878. A total of 5 samples (ID # 2015-001, 010, 012, 013A, & 013B) taken returned geochemical analysis values > 1 gram/tonne listed as follows:

Table 1. Anomalous rock samples, Scottie Au mine portal area

ID	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	As ppm	Sb ppm	Mo ppm
2015-001	1045	1235	1000	14.2	1.64	1050	18	31
2015-010	584	828	429	26.4	6.74	2170	38	30
2015-012	125	564	1885	4.1	2.05	68	6	1
2015-013	1250	2100	2270	41.0*	3.77*	1290	6	2
2015-013b	3750	1780	1635	54.0*	2.16*	717	9	4

*ALS code ME-GRA21 gravimetric precious metal assay
All other values listed ALS code ME-ICP41

Rock chip sampling was also carried out on the newly discovered Yom Kippur Zone located further south in an area centered at 433264 E, 6231443 N, 786 m elevation, approximately 350 m ESE of Scottie Gold Mine underground mill site. The abandon Scottie Gold mill site has sizeable cutouts in solid bedrock located at 432963 E, 6231557 N, 841 m elevation. A total of 4 samples (ID # 2015-59A, 59B, 63, & 64) taken from the Yom Kippur Zone returned geochemical analysis (ALS code ME-ICP41) values > 1 gram/tonne listed as follows:

Table 2. Anomalous rock samples, Yom Kippur zone.

ID	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	As ppm	Sb ppm	Mo ppm
2015-59A	4284.4	188.2	126.7	10.5	1.6**	10.9	4.5	113.8
2015-59B	1188.8	114.0	83.5	7.0	2.3**	11.8	5.9	40.8
2015-59C	2787	102.9	70.8	8.17	7.1**	1.4	7.6	37.6
2015-63	210	457	566	36.0*	1.07*	3000	6	1
2015-64***	2350	27	30	41.0*	19.0*	>10,000	6	2

**Bureau Veritas Lab code FA550 gravimetric precious metal assay
*ALS code ME-GRA21 gravimetric precious metal assay
All other values listed ALS code ME-ICP41 (ID 2015-63, 64) &
Bureau Veritas Lab code AQ250 (ID 2015-59A, 59B)
***2,800 ppm Co (Rock sample 2015-64)

Soil sampling was also carried out on the newly discovered Yom Kippur Zone. A total of 3 out of 25 soil samples returned geochemical analysis (ALS code ME-MS41L) values > 0.2 ppm Au listed as follows:

Table 3. Anomalous soil samples, Yom Kippur zone.

ID	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	As ppm	Sb ppm	Mo ppm
2015-32	910	467	2170	7.28	1.42	1285	29.5	23.1
2015-33	237	149	235	2.36	0.62	296	7.6	12.5
2015-49	176.5	93.6	193	1.43	0.21	124	3.9	5.7

A total of 9 soil samples were taken from waste dumps next to Scottie Gold Mine millsite, in the area adjacent to the Yom Kippur Zone (north portion of MTO tenure 515633). These waste dumps samples from hand dug shallow pits were taken in order to assess metal leaching. ALS Minerals calculates the ability of mine waste material to produce acid rock drainage or to consume free acid and neutralize it. This is done by acid-base accounting, measuring and recording pH, DO (dissolved oxygen), temperature and subsample (50mL) for metals leaching from each sample flask and their static control flasks. Analysis of Leachate (Sobek method) for metals include: Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Rb, S, Sb, Se, Si, Sn, Sr, Te, Th, Ti, Tl, U, V, W, Zn, Zr. The objective of the measuring leached metals is to assess net acid generation of waste rock. Results suggest the mine waste from Scottie Gold is acid generating. Mine waste is exposed to free oxygen because it is no longer submerged under Summit Lake due to ablation of Salmon Glacier ice dam, consequently there is leaching of a variety of metals into the local environment.

Two samples from the Yom Kippur showings (ID 2015-59A, & 2015-59B) were taken for petrographic descriptions. Vancouver Petrographic Ltd, Langley, BC performed microscopic optical analysis and interpretation of polished thin sections. Results indicate sample 59A contains comparable amounts of pyrite and pyrrhotite, sample 59B is dominated by pyrrhotite. Chalcopyrite is rare and fine-grained in both samples. The microstructures in Sample 59A

indicate that pyrrhotite, chalcopyrite, chlorite, tremolite/actinolite, and quartz post-dated the crystallization of pyrite. The pyrite can be distinguished into two types: an earlier, inclusion-poor form (py1) and a second generation of porous pyrite (py2). Sample 59A contains fine-grained aggregates of asbestiform amphibole including tremolite and actinolite (Columbo, 2015). There are no flexible asbestiform minerals present in sample 59A.

An additional rock sample 2015-13A (located in NE part of MTO tenure 516120), was submitted to Vancouver Petrographic Ltd for descriptions. This sample is dominated by massive pyrrhotite, in which subhedral crystals of pyrite are dispersed. The massive pyrrhotite is in contact with a very fine- to fine-grained infill domain containing clay, quartz, and rare calcite. The sample is described as massive pyrrhotite-minor pyrite-clay and quartz-minor calcite infilling.

Results to date, from preliminary exploration have been positive and a two phase program of geological mapping, geophysical and geochemical survey grids and follow-up core drilling is recommended. Follow up work on known mineral occurrences and a program of mapping and sampling areas recently exposed by glacial ablation is also recommended.

Phase 1 recommendations include geological mapping, geochemical rock chip sampling, EM and magnetometer geophysics with a proposed budget of $75,000. The proposed fieldwork would involve approximately 7 kilometers of geophysical and geochemical grid lines across geochemical targets outlined from rock chip, soil and stream sediment sampling. Contingent on results from phase 1, a second phase that includes 2,000 m of core drilling, geochemical sampling, and geological mapping is recommended. The estimated budget for phase 2 is $400,000. The proposed budget total for phase 1 and 2 is C$475,000.

2 Introduction

The mining claims held by Eilat Exploration Ltd at the Summit Lake area north of Stewart BC are located in the Golden Triangle area of British Columbia, which is a world renowned area for highly significant gold and mineral discoveries. Commercially significant discoveries in the adjacent and area surrounding area include high grade gold deposits such as at the Scottie Mine, the Pretium Project at Bruce Jack Lake as well as some of the richest gold-silver and base metals deposits in North America such as Eskay Creek and Silbak Premier Mine.

Past exploration on Eilat's Summit Lake mineral property has revealed a number of high grade surface outcrops as well as large scale electromagnetic (EM) and magnetic (Magnetometer) anomalies. The results of these past exploration programs although very encouraging and have never been followed up with detailed drilling. What strikes the writer

as a major oversight in past exploration programs is that the discovery of these very large EM and Mag anomalies have never been tested by drilling. The additional work proposed by Eilat is intended to lead a better understanding of the lithology, alteration and mineral occurrences on the subject property.

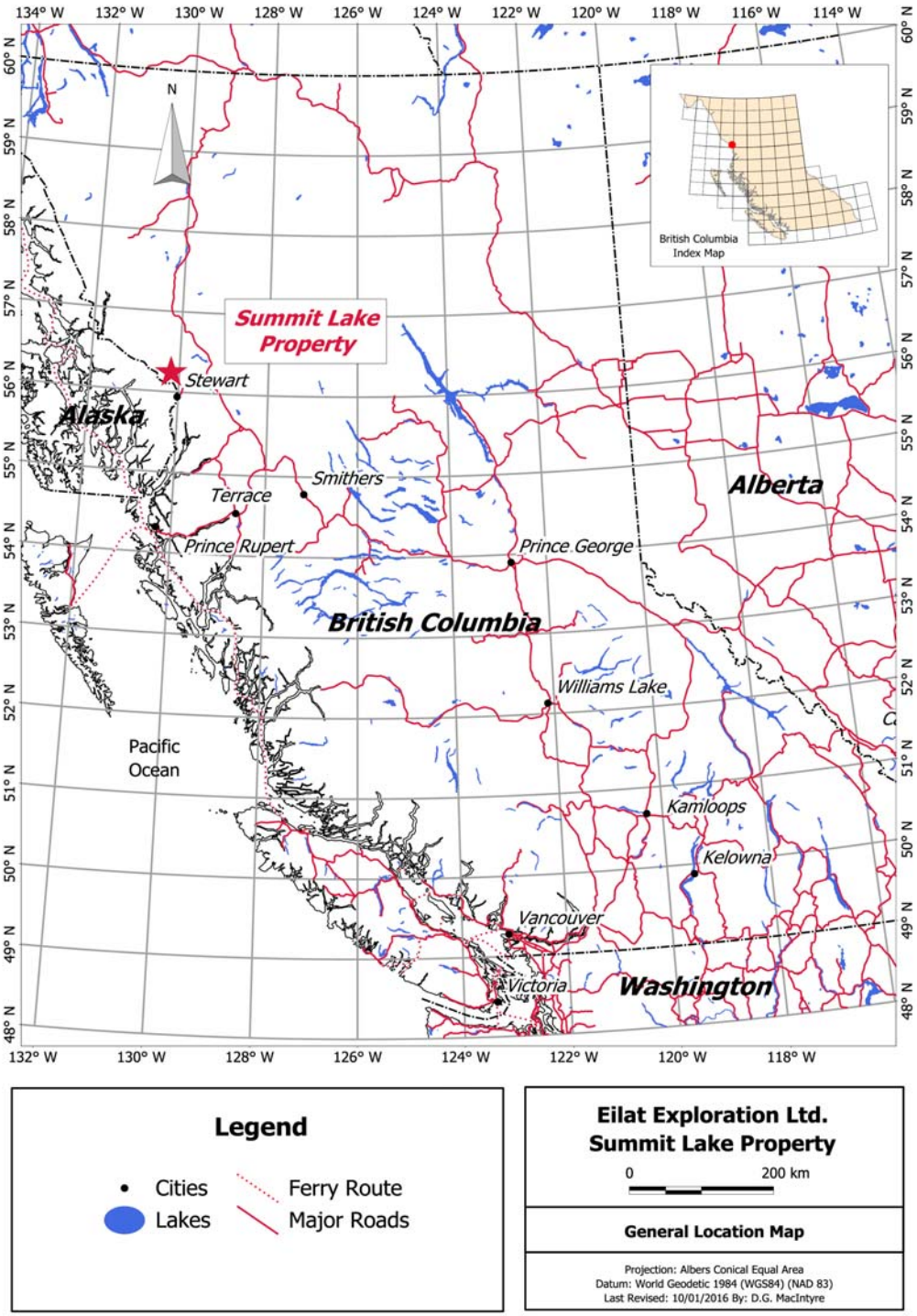

Figure 1. Summit Lake property general location.

In the summer and autumn of 2015, Eilat Exploration carried out geological, and geochemical surface exploration. The purpose of the report is to qualify targets for future mineral exploration and development within the subject property. This report is based in part on previous work, carried out by various mining companies, and the British Columbia Geological Survey. This report is partly based on published & unpublished fieldwork reports carried out by various private sector mining company personnel & public sector government personnel which are listed in the references. Compilation of geological, geochemical and geophysical data has led to recommendations for work on Summit Lake property.

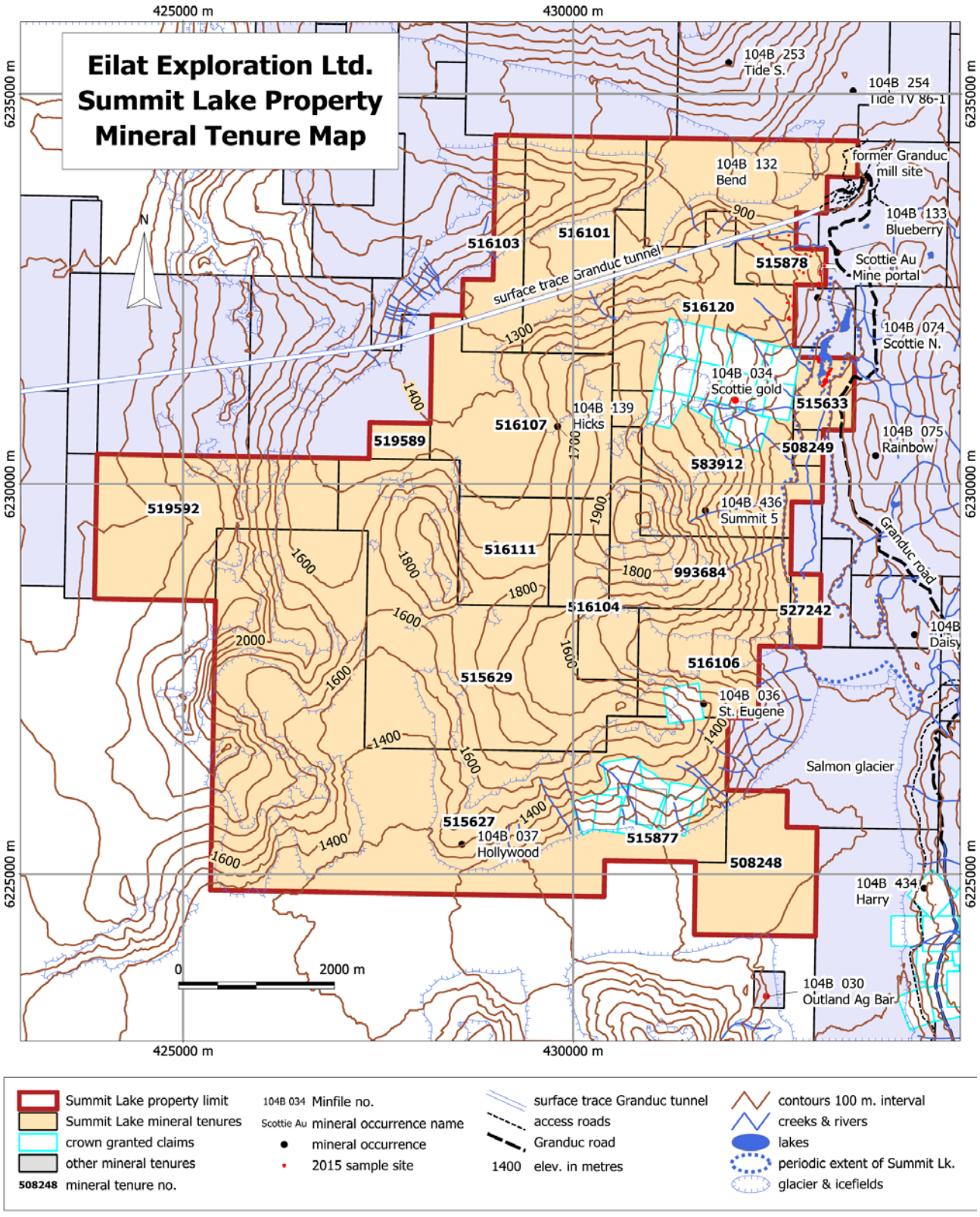

Figure 2. MTO mineral tenures location map

Table 4: Summit Lake property tenures held by Eilat Exploration Ltd.

Title Number	Claim Name	Issue Date	Good To Date	Area (ha)
508248	Wallaby-1B	2005/mar/04	2016/mar/28	234.21
508249	Wallaby 2	2005/mar/04	2016/mar/28	17.99
515627		2005/jun/30	2016/mar/28	1747.00
515629		2005/jun/30	2016/mar/28	810.16
515633		2005/jun/30	2016/mar/28	71.96
515877	WALLABY-2B	2005/jul/03	2016/mar/28	18.01
515878		2005/jul/03	2016/mar/28	359.60
516101		2005/jul/06	2016/mar/28	359.65
516103		2005/jul/06	2016/mar/28	143.87
516104		2005/jul/06	2016/mar/28	144.02
516106		2005/jul/06	2016/mar/28	234.06
516107		2005/jul/06	2016/mar/28	431.81
516111		2005/jul/06	2016/mar/28	197.99
516120		2005/jul/06	2016/mar/28	359.71
519589	WOMBAT-1	2005/aug/31	2016/mar/28	35.99
519592	WOMBAT-2	2005/aug/31	2016/mar/28	431.93
527242	SUMMIT LAKE -01	2006/feb/07	2016/mar/28	36.00
583912	SUMMIT 5	2008/may/09	2016/mar/28	377.88
993684	SUMMIT6	2012/jun/04	2016/mar/28	269.99

3 Reliance on Other Experts

This report is based in part on documents and technical reports prepared by various authors. The portions of this report that give information gathered from various authors are referenced. The documents and technical reports from various authors were used to compile the Summit 5 property history. In order to identify follow-up mineral exploration targets, the writer has relied on data from the Report on a Multi-frequency Electromagnetic and Magnetic Survey in the Summit Lake Area, by Apex Airborne Surveys Ltd, for Scottie Gold Mines Ltd, BC Ministry of Energy & Mines, AR# 12,342 (Sheldrake, 1983), as well as data from the writer's site visits in 2000, 2002-03, & 2004. Main source for geological data is from: Bulletin 58 (Grove, 1971), Bulletin 85 (Alldrick, 1993).

Photo 2. Salmon Glacier looking west

4 Property Description and Location

The Summit Lake group consists of 19 contiguous mineral tenures (Fig. 2) encompassing 6,281.81 hectares, west of Summit Lake. The Summit Lake group of mineral tenures is within the Skeena Mining Division and registered owner of the mineral tenures is Eilat Exploration Inc. The mineral claims have not been legally surveyed as they are BC Government established mineral title cell claims. Tenure data for each of the claims are listed in Table 4.

The property consists of 19 mineral claims that are registered to Eilat Exploration Ltd. and total area covered by claims is 6,281.81 hectares (15,520.99 acres).

Scottie Gold Mine produced 96,544 ounces of gold from 182,185 tons of ore from Oct. 1, 1981 until Feb. 18, 1985. The legacy of Scottie Gold Mine production (mine waste area below underground mill) may have adverse environmental issues on adjacent mineral claims. Apart from potential for environmental issues regarding disturbance by Scottie Gold Mine, the author not aware of any planned or existing land use that would adversely affect development of mineral resources on the Summit Lake property.

5 Accessibility, Climate, Local Resources, Infrastructure and Physiography

The property is located on the west side of Summit Lake about 28 kilometres northwest of Stewart, B.C. Elevations on the claims range from 2,600-6,966 feet (790-2,120 m).

The north and west-central portion of claim ID # 501422 can be accessed by the Granduc road to the lower portals at Scottie Gold which leads to the base of the Morris Summit Glacier. The gravel flats along the base of Summit Lake can be crossed to access the south and east-central portion of the claims. The Salmon Glacier has receded and eliminate the ice dam that used to be Summit Lake. At present, Summit Lake never reaches its previous high water marks due to the ablation of the Salmon Glacier.

Access to the north portion of the claims is gained via the Scottie Gold road which leads to the base of the Morris Summit Glacier. There are moderate to steep slopes on the west portion of the claims which is contrasted by a glacial scoured, U-shaped valley bottom along Summit Lake.

The town of Stewart is approximately 45 minutes driving time to the Summit Lake property (located west of Summit Lake). The community of Stewart has over 100 permanent residents that include a small percentage of people actively involved in mining and exploration. A variety of services are available in Stewart, that include health, emergency, aircraft, mechanical, equipment, lumber, transportation, and retail stores. Additional services are available in Smithers or Terrace, B.C. (275 km south of Stewart). Vancouver Island Helicopters Ltd, Sydney, BC offer helicopter charter service on a seasonal basis out of the Stewart airport.

6 History

The Summit Lake property has been intermittently explored for mineral resources over the past 4 decades. A chronological summary of previous work on the subject property is summarized as follows:

6.1 1971 Dr. Edward Grove

In 1971**,** Dr Edward W Grove mapped the west side of Summit Lake at a scale of 1:31,680 and mapped the Scottie Gold Mine (Morris Summit) Au-pyrrhotite veins at a scale of 1:480 (Fig. 4 and Fig 13 respectively). Mapping identified numerous major fault zones, one of which is the "Morris Summit Fault" (trends SE and cuts the northeast portion of the property, dips steeply SW) and is associated with siliceous, shear-zone replacement style mineralization to the east of Scottie Gold.

6.2 1983 Scottie Gold Mines Ltd.

Apex Airborne Surveys flew airborne EM and Magnetometer surveys over a 12 X 18 kilometre area on the west side of Summit Lake for Scottie Gold Mines Ltd. Instrument used for the EM Survey: Helicopter mounted in-phase quadrature instrument, coplanar coils 4050/hz. Coplanar coils 950 hz. Manufactured by Geonics. Instrument used for Magnetometer Survey: Towed sensor type, proton precesion model G803, manufactured by Geometrics. Helicopter: Bell 206 L resulting in a report on a Multifrequency Electromagnetic and Magnetic Survey in the Summit Lake Area, BC Min of E & M, AR# 12,342 (Sheldrake, 1983). Several magnetic and EM anomalies occur on within an area 1-2 kilometers west of Summit Lake, now covered by the Summit 5 & 6 mineral tenures. A notable magnetometer positive anomaly 250-350 m north of the Great Slide Gully at about 900-1200 m elevation (the anomaly is about 100 m wide and 250 m long, elongated east-west) coincides with 1-3 m wide intermediate composition, intrusive dykes (Eocene/Jurassic?) cutting the Lower Jurassic Unuk R Fm dacitic to andesitic tuffs/flows.

Other prospects in the Summit Lake area include Shough, Josephine, Hollywood, Troy, Outland Silver Bar, and East Gold. These base and precious metal occurrences have been periodically explored and developed over the past fifty years. In the late 1980's East Gold produced a shipment of 44 tons of 35.244 oz/t Au, 96.74 oz/t Ag (containing high grade electrum).

In the 1950's, Henry Hill and Associates (on behalf of Silbak-Premier) mapped the main sulphide showings known as the Sunrise Group of crown granted claims located near the southwest end of Summit Lake, and described 4 sub-parallel mineral zones trending NW

and dipping moderately SW. Of these 4 mineral zones, the one closest to Summit Lake exhibited widths in excess of 50 feet (15.2 m). In addition, geological mapping outlined quartz-sulphide zones with significant base and precious metal mineralization in the area of the short adit as well as the showings on the St. Eugene and Grey Copper crown grants (5-20 ft, 1.5-6.1 m widths of qtz-sulphide mineralization trending WNW and dipping steeply SSW). Adjacent to the August Mountain Glacier, at 4,600 foot (1,402 m) elevation, a 500 metre wide limonitic, gossan zone consisting of quartz-sericite-pyrite (phyllic) alteration has been identified. This zone was surveyed by airborne EM and mag geophysics flown in 1983 by Apex Airborne Surveys Ltd. and gave a significant total field magnetometer anomaly as well as identifying numerous EM conductors in the vicinity of the gossan (Sheldrake, 1983). In 1993 Navarre Resources Corp carried out fieldwork consisting of geological mapping and soil, stream sediment and rock sampling carried out by the writer and summarized as follows:

Quartz vein mineralization occurs within a major quartz-sericite-pyrite alteration zone. Sample AK-6 assayed 1.3% Cu, 2.3% Pb, 9.5% Zn, 6.8 oz/t Ag, and 0.017 oz/t Au across a width of 40 cm. This sample is located at an elevation of 1,050 metres (3,500 feet) where there is a natural bench in the slope with old workings present.

6.3 1993 Navarre Resources Corp.

Sunrise, Nunatak & St Eugene: In 1993 Navarre Resources Corp carried out a fieldwork program on claims adjacent to Summit 5 (501422). Geological mapping, soil, stream sediment, and rock sampling were carried out by the writer and are summarized as follows:

Quartz-carbonate veins with sphalerite, galena, and tetrahedrite mineralization were located near the northeast portion of the Gray Copper crown grant at an elevation of 1,000 metres (3,280 feet). Sample AK-12 assayed 1.1% Cu, 2.2% Pb, 8.6% Zn, 8.23 oz/t Ag, 0.119 oz/t Au across a width of 10 cm. This quartz vein varies in width from 0.5-1.1 meters (1.6-3.6 ft), and is traced for over 100 metres strike length trending north-northeast with a 60-80 degree westerly dip. Quartz vein mineralization occurs within a major quartz-sericite-pyrite (phyllic) alteration zone. Sample AK-6 assayed 1.3% Cu, 2.3% Pb, 9.5% Zn, 6.8 oz/t Ag, and 0.017 oz/t Au across a width of 40 cm. This sample is located at an elevation of 1,050 metres (3,500 feet) where a natural bench in the slope with old workings present. Reddish brown to yellow coloured stain on cliffs located on the shore of Summit Lake (about 800 meters north of August Jack glacier) were investigated by detailed soil and rock chip sampling. Observed mineralization includes 1-10% disseminated and fracture filling pyrite, pyrrhotite, and traces amounts of chalcopyrite. Mineralization in this cliff area trends north and dips steeply west. Quartz-sericite-carbonate alteration is peripheral to mineral zones.

In the west portion of the subject property, Middle Jurassic Betty Creek and Mount Dillworth Formation felsic to intermediate pyroclastic and epiclastic volcanics unconformably overlie the Lower Jurassic Unuk River Formation. This contact is located at elevations above 1,400 meters. Approximately 90% of the bedrock mapped 0-3 km west of Summit Lake consists of Unuk River Formation dacitic volcanics (tuffs/flows and/or breccia) with minor inercalations and screens of clastic sediments and limestone. Alkaline Early-Middle Jurasic K-spar megacryst porphyry intrusive rocks cut the Unuk River Fm. and is interpreted from mapping as a 250 meter wide stock situated on a relatively flat bench at 1,275 to 1,350 metres elevation. Northeast trending quartz veins occur immediately north of this alkaline stock and contain sphalerite, galena, and tetrahedrite mineralization. Northwest trending fault zones with associated with pyrite-chalcopyrite-arsenopyrite -sphalerite-galena mineral assemblages and related chlorite-carbonate alteration occurs several hundred metres east of the K-feldspar porphyry.

Ranging from 1-20 meter (3.3-65.6 ft) wide, the Eocene intermediate-felsic dykes trend northwest and are clustered along the lower portion of August Jack Glacier. These dykes contain 1-20% pyrite and quartz along and near their contacts with the country rock. Trace to 1% chalcopyrite and tetrahedrite occur in the quartz-pyrite zones.

There is a 200-600 metre (656.2-1,968.5 ft.) wide, northwest trending quartz-pyrite- sericite alteration zone hosted by the Unuk River dacitic volcanics which is approximately 2 kilometers in length and starts south of lower August Jack Glacier and terminates near upper August Jack Glacier. Northwest and northeast trending quartz-carbonate vein mineralization occurs within this alteration zone. Northwest trending quartz-pyrite-sericite alteration zones hosted by Unuk River dacitic volcanic rocks are located in the southeast portion of the area south of lower August Jack Glacier and extends 2 kilometers northwest through to the upper August Jack glacier. This area is identified as a cataclasite (i.e. deformation zone) from fabric observed in thin section (Grove, 1971). Northwest and northeast trending quartz-carbonate vein mineralization occurs within this alteration zone.

The Nunatak-Glacier Edge showings near August Jack Glacier occur where the NW trending quartz-sericite-pyrite alteration zone intersects NE trending fault structures which contain significant base and precious metal bearing sulphide mineralization. The two areas of detailed mapping and sampling include the "Glacier Edge" and "Nunatak" zones which are both exposed at 1,550 m. (5,084 ft.) elevation. Geological mapping shows a dominant NW trend for fracturing and faulting with a sulphide enriched NE trend that is localized near the major NW trending structures. Typical sulphide mineralization occurs as pods and lenses of massive pyrrhotite (10-50%) with minor amounts of sphalerite, chalcopyrite,

arsenopyrite and galena hosted in indurated and hornfels, chloritized and carbonate altered Lower Jurassic tuffs/flows.

The receding glacial ice is exposing new mineral zones. A compilation of geological, geochemical and geophysical data suggests there may be a lens(es) of massive pyrrhotite with potential to contain high grade gold, copper and silver values. This zone is located in the northeast edge of the August Jack icefield. An alteration assemblage of quartz-chlorite-carbonate is hosted by Unuk River Formation which is immediately below the projected unconformable contact with Betty Creek Formation. The importance of this geological setting is important with respect to comparing it to local mineral deposits.

Interpretation of geochemical and geophysical data indicates there are multiple NW and NE trending quartz-sulphide zones with elevated Cu-Pb-Zn-Ag-Au-As-Bi-Sb-Cd in rock chip samples and a 450 nT increase in total field magnetics at the east end of the nunatak. The combination of ground and airborne geophysical data suggests that the main magnetic anomaly is buried under the glacial ice immediately NE of the nunatak. The presence of massive pyrrhotite and/or magnetite could account for this magnetic anomaly.

6.4 2000 Kikauka

Sunrise & St Eugene, (1,200 m. 3,937 ft. elevation):

LOCATION: SOUTH OF LOWER AUGUST JACK GLACIER**:**

Above average Cu-Pb-Zn-Ag-Au-Mo-As-Sb-Cd geochemical values in soil and rock chip samples are spatially related to widespread quartz-carbonate-chlorite and adjacent Q-S-P alteration, hosted by deformed Unuk R.Fm. volcanics/sediments. Distribution of fracture filling and disseminated sulphides suggests potential for a bulk tonnage target. Of particular interest is the 20-50 m wide zone of sulphides and silicification that shows good continuity along strike.

Previous work by the writer performed in August, 2000 on the Summit 5 claim (MTO tenure 583912), has defined numerous zones of mineralization and related alteration. The writer has outlined potential mineral zones which require additional follow-up fieldwork to determine their economic potential. Geological mapping and geochemical sampling (rock chip and stream sediment) has outlined significant areas of economic mineral potential, as follows:

Table 5. Rock chip samples from "Slide Gully North" zone (Kikauka, 2000)

Claim Name	Sample #	Width	% Cu	% Pb	% Zn	g/t Ag	g/t Au
Summit 5	S-254	1.0 m	0.24	2.11	5.07	**270.3**	**15.8**
Summit 5	S-255	1.0 m	0.84	2.45	2.3	**397.9**	**13.5**
Summit 5	S-279	0.8 m	0.1	2.08	2.03	**197.7**	1.35
Summit 5	S-257	1.0 m	0.02	0.01	0.02	1.3	1.28
Summit 5	S-278	0.3 m	0.05	0.28	9.05	46.7	1.31
Summit 5	S-280	1.0 m	0.01	0.01	0.04	1.7	4.25

"SLIDE GULLY NORTH ZONE" quartz-carbonate-sulphide fissure veins.

The veins are characterized by elevated concentrations of base and precious metals, e.g. samples S-254 and S-255 are both 1 m wide chip samples of the same quartz vein, and were taken at 1,400 m elevation on the north side of the large east-west trending 'Great Slide Gully' creek (and fault), located immediately east of "Summit Mountain" polymetallic mineralization related to a major NW trending fault zones (minor dykes).

Weak strength airborne mag negative anomaly response (Apex Airborne Survey, Sheldrake,1983) located 0.5 km north of Slide Gully Creek, UTM NAD 83 6230285 N, 431920 E. This area features an extensive zone of quartz-sericite-pyrite alteration (phyllic) which may account for the magnetometer 100-200 nT negative airborne geophysical anomaly. A rock chip sample (S-257) testing a NE trending, steeply dipping zone of pyrrhotite replacement (sparse base metal content), returned a value of 1.3 g/t Ag & 1.28 g/t Au. This area is close to the Scottie Mine "L", "N" and "M" Zone gold-bearing pyrrhotite-pyrite anastomosing (sigmoidal) vein structures located near the base of Morris Summit Glacier.

Weak strength airborne mag positive anomaly response (Apex Airborne Survey, Sheldrake,1983) located 0.4 km south of Slide Gully Creek, UTM NAD 83 6229215 N, 432720 E. The positive anomaly is coincident with an indurated, silicified zone that forms a local topographic high (as well as numerous cliffs).

Photo 3. Summit Mtn, Great Slide Gully, looking NW

Upper cliffs of Slide Gully Creek located at elevations >1,425 m on Slide Gully Creek. Despite steep and hazardous snow and ice conditions that exist in this area, it appears from visual inspection that the zone of mineralization trends southwest towards these cliffs in the direction of Summit Mountain (a prominent landmark). Moderate strength VLF-EM conductor anomaly response (Kikauka, 2004) in 2 prominent NNW trending creek gullies, located in NE portion of MTO tenure 583912, centred at UTM NAD 83 6230258 N, 432725 E.

Moderate strength positive magnetometer anomaly response (Kikauka, 2002) was located in the NW portion of MTO tenure 583912, UTM NAD 83 6230500 N, 431400 E which coincides with stream sediment samples S-114 & S-115 that returned elevated Cu-Pb-Zn-

Ag-Au values as well as abundant, angular quartz monzonite mineralized float boulders. A pyrrhotite zone located near the edge of a north trending, steeply dipping quartz monzonite dyke may account for the positive magnetometer anomaly, however it has not been verified by Apex (Sheldrake,1983) airborne magnetometer data, and is interpreted that this positive magnetometer anomaly (and coincident pyrrhotite mineralization) may be localized. Reddish brown to yellow coloured stain on cliffs located on the shore of Summit Lake (about 800 meters north of August Jack glacier) were investigated by detailed soil and rock chip sampling. Observed mineralization includes 1-10% disseminated and fracture filling pyrite, pyrrhotite, and traces amounts of chalcopyrite. Mineralization in this cliff area trends north and dips steeply west. Ubiquitous quartz-sericite surrounds the mineral zone.

6.5 2002 Fundamental Resources Corp.

In 2002, the writer (on behalf of Fundamental Resources Corp) mapped and rock/soil sampled a 1.2 km.X 0.5 km. area on the north central portion of MTO tenure 583912. This field work outlined several northeast and northwest trending quartz veins with 1-20% pyrite and quartz along and near their contacts with the country rock. The quartz veins generally follow fissures and/or fractures with roughly vertical to steep westerly dips. Trace to 1% chalcopyrite and tetrahedrite occur in the quartz-pyrite zones. Sulphides associated with these quartz veins include pyrrhotite, pyrite, chalcopyrite, arsenopyrite, sphalerite, galena and related chlorite-carbonate-sericite mineral asemblages. Outcrop exposures in the "Slide Gully North" zone consist of quartz-sulphide veins in the west portion of the survey area (between 1,220-1,440 m elevation) yielded 5 samples which gave the following results:

Table 6. Analytical results for 2002 samples collected in the Slide Gully North zone

Sample #	Minerals	Width	Strike/dip	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppb Au
AR-1	Pyo., py., cpy.	0.5 m	070/20 N	381	16	42	1.2	125
AR-2	Pyo., py., cpy.	0.9 m	050/80 NW	566	22	23	3.4	135
AR-3	Pyo., py., cpy., sp., ga., tetrahedrite	0.8 m	050/80 NW	1558	1873	8998	26	50400
AR-4	Pyo., py., cpy.	1.0 m	135/75 SW	1407	162	489	5.3	1050
AR-5	Pyo., py., cpy.	1.0 m	135/80 SW	189	69	687	3	145

Geological mapping and geochemical sampling was again carried out on MTO tenure 583912 by Fundamental Res Corp in August, 2002 by the writer. In the northwest portion of the Summit 5 claim at 1,470 m elevation, there is considerable volume of mineralized quartz monzonite float boulders. The source of these boulders is likely from the cliff areas north and northwest of Summit Mountain.

Table 7. Analytical results for 2002 samples collected from the Summit 5 claims.

Sample	ppm Mo	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppm As	ppm Sb	ppb Au
0+00 W	5	325	40	129	0.6	112	8	80
0+50 W	7	152	39	183	0.9	157	10	60
1+00 W	6	217	43	439	1.5	340	21	80
1+50 W	4	104	53	176	1	699	5	160
2+00 W	9	113	73	226	3.3	1066	6	210
2+50 W	5	112	69	209	4.1	1792	4	180
3+00 W	18	232	30	122	1.4	81	13	485
3+50 W	5	310	265	220	3.6	222	23	225
4+00 W	5	112	138	91	2.1	592	3	105
4+50 W	4	293	68	100	1.5	318	8	205
5+00 W	4	283	115	264	3.2	214	5	245
5+50 W	6	456	324	546	2.6	430	10	250
5+50 W 0+50 N	3	308	134	323	2.4	431	6	185
5+50 W 1+00 N	4	215	74	151	1.1	176	5	140
5+50 W 0+50 S	6	440	137	277	2.3	402	12	205
5+50 W 1+00 S	3	220	48	149	1.7	124	5	120

Soil samples taken by the writer in 2002 were taken along the east-west trending baseline at 50 m spacing along the baseline length of 550 m, as well as a 250 m long north-south trending grid line located at the west end of the baseline, (ranging from 1,250-1,420 m elevation, located 150-250 m north of Great Slide Gully Creek (between Summit Lake & Summit Mountain), and are summarized as follows:

A comparison of soil geochemistry shows elevated As and Sb values do not correlate very well with elevated gold. There is an apparent correlation between elevated Cu and Au. The highest gold value (485 ppb Au at station 3+00 W), does not have anomalous base metal values except copper which is above average (232 ppm Cu). It is likely there are at least 2 types of gold bearing mineralization present, i.e. low sulphide (quartz) and high sulphide (polymetallic).

Most elevated gold values contain above average base metal and silver values. There is no direct correlation between gold and base metals. Gold is associated with base metal rich as well as base metal poor zones of mineralization.

Elevated values of Cu-Pb-Zn-Ag-Au in soil samples taken at BL 3+00 W to BL 5+50 W include the high grade showing AR-3 (50,400 ppb Au, 26.0 ppm Ag, 1,558 ppm Cu, 1,873 ppm Pb, and 8,998 ppm Zn) which occurs at 1,420 meters a.s.l. and is located 200 meters north of the major avalanche chute "Slide Gully Creek" that originates from Summit Mountain (2,123 meters a.s.l.).

6.6 2006 Kitov Resources Ltd.

In 2006 Kitov Resources Ltd carried out underground sampling in the Granduc Tunnel of the Tovia Vein which is located 2,350 meters from the Granduc Portal (on MTO tenure 515878). The Granduc Portal is located at 433147 E, 6233579, 770 m elevation. The Tovia Vein is a 15 cm wide quartz-carbonate fissure vein with polymetallic mineralization and appears to be related to the Morris Summit Fault (a regional NNW trending, steeply dipping fault zone that cuts the northeast portion of the subject property). The Tovia Vein has a strike of 140 degrees and dips 45 degrees NE. The sulphide minerals present in the Tovia Vein include mainly pyrite, galena, and minor chalcopyrite, tetrahedrite. Results from geochemical analysis of the Tovia Vein returned high Au-Ag values associated with increased Cu, Pb, and Sb values.

Table 8. Analytical results for 2006 samples from the Tovia vein

Tovia Vein ID	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	As ppm	Sb ppm	Mo ppm
06-23-2	931	5590	166	13.8	36.7	270	105	9
06-23-3	1300	30000	60	49.5	23.5	14	2270	7

6.7 2012 Eilat Exploration Ltd.

In 2012, on behalf of Eilat Exploration Ltd, Fugro Airborne Surveys performed a helicopter mounted magnetometer survey (332.5 line kilometers) using Scintrex Cesium Vapour CS-3 magnetometer. The total magnetic field response reflects the abundance of magnetic material in bedrock near surface source. Magnetite is the most common magnetic mineral. Other minerals such as ilmenite, pyrrhotite, franklinite, chromite, hematite, arsenopyrite, limonite and pyrite are also magnetic, but to a lesser extent than magnetite on average. In some geological environments, an EM anomaly with magnetic correlation has a greater likelihood of being produced by sulphides than one which is non-magnetic. However, sulphide ore bodies may be non-magnetic (e.g., the Kidd Creek deposit near Timmins, Canada) as well as magnetic (e.g., the Mattabi deposit near Sturgeon Lake, Canada). Iron ore deposits will be anomalously magnetic in comparison to surrounding rock due to the concentration of iron minerals such as magnetite, ilmenite and hematite. Faults and shear zones may be characterized by alteration that causes destruction of magnetite (e.g.,

weathering) that produces a contrast with surrounding rock. Structural breaks may be filled by magnetite-rich, fracture filling material as is the case with mafic dykes, or by non-magnetic felsic material. Faulting can also be identified by patterns in the magnetic total field contours or colours. Faults and dikes tend to appear as lineaments and often have strike lengths of several kilometres. Offsets in narrow, magnetic, stratigraphic trends also delineate structure. Sharp contrasts in magnetic lithologies may arise due to large displacements along strike-slip or dip-slip faults.

Digital data for each flight were transferred to the field workstation, in order to verify data quality and completeness. A database was created and updated using Geosoft Oasis Montaj and proprietary Fugro Atlas software. This allowed the field personnel to calculate, display and verify both the positional (flight path) and geophysical data. In-field processing of Fugro survey data consists of differential corrections to the airborne GPS data, filtering of all geophysical and ancillary data, verification of the digital flight path recordings, and diurnal correction of magnetic data. All data, including base station records, were checked on a daily basis to ensure compliance with the survey contract specifications. The Summit Lake block appears to have two distinct magnetic regions separated by one of the glaciers. The west end of the block shows active gradients on the peaks of the mountain ridges. While the east side of the block shows more gradual gradients. It is recommended that the survey results be assessed and fully evaluated in conjunction with all other available geophysical, geological and geochemical information. The results of the 2012 Fugro airborne survey suggest northeast trending residual positive magnetic intensity anomalies are coincident with major north-northeast trending fault zones and north to northeast trending Au-Ag bearing sulphide zones. The contrast of residual magnetic intensity between the west and east half of the survey is poorly understood because of lack of geological mapping on the west half of the property.

7 Geological Setting

The Summit Lake group of claims is located west of Summit Lake, approximately 30 kilometres north of Stewart, BC (Fig. 1). The claims are bounded to the north by the Berendon glacier and to the south by the Salmon glacier. The northern portion of the property covers the eastern access to the Granduc tunnel, Tide portal (elev 762 m, 2,500 ft). The property is centered at UTM 429000E, 6229000N (NAD 83, Zone 9) or Latitude 56 12’15”, Longitude 130 08’17”. Topography at Summit Lake property is mountainous and rugged with elevations ranging from 720 to 2,100 m above sea level. Vegetation is mostly sub-alpine and alpine shrubbery with a significant portion of the property covered by snow and ice. The climate is typical of northern coastal mountain ranges.

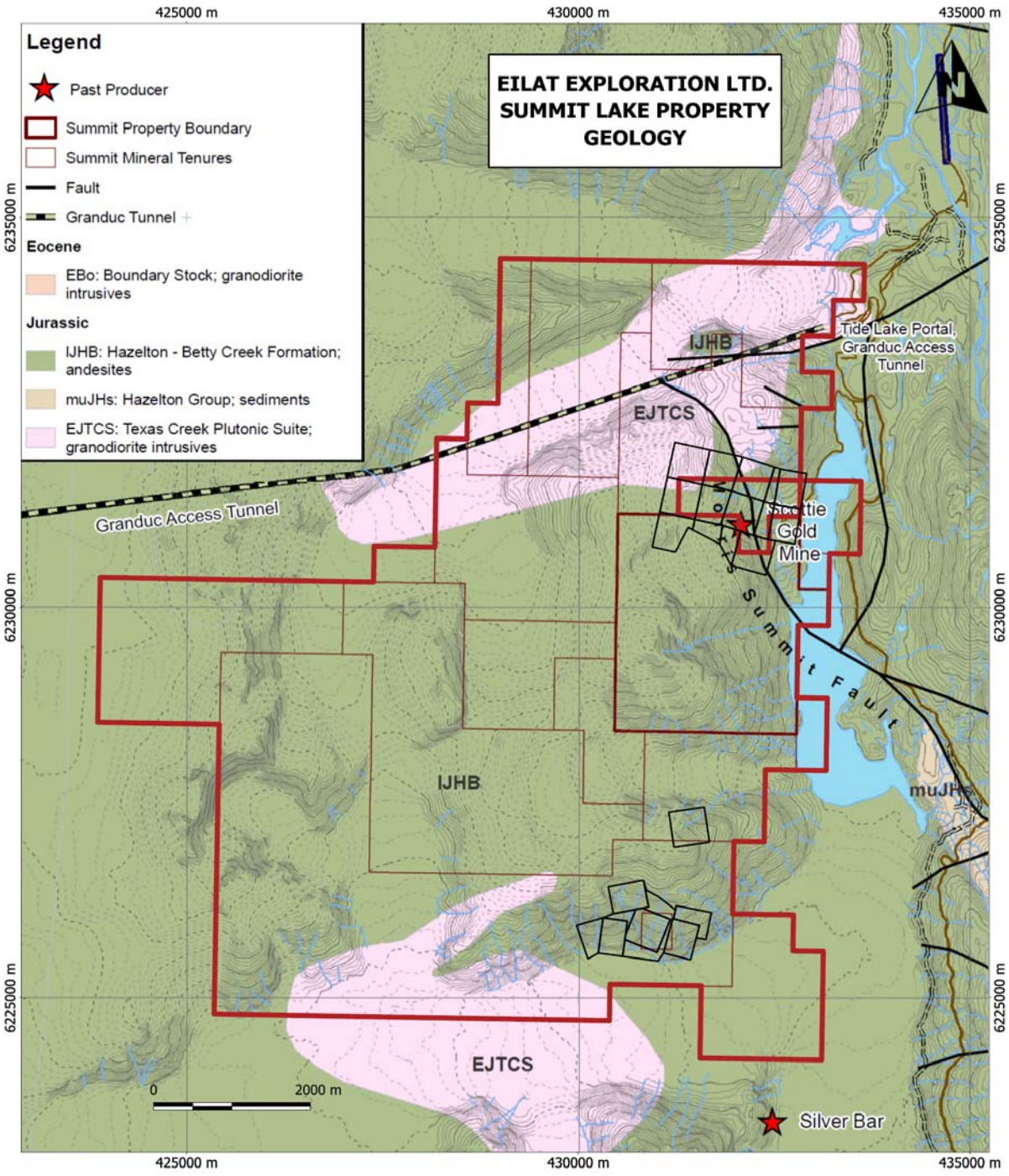

Figure 3. Summit Lake property geology.

Access to the Summit Lake claim group is via the Summit Lake-Granduc road from Stewart, BC. The abandon Scottie Gold Mine road gives access to the east portion of the claims. Helicopter support is required for access to western portion of the mineral tenures.

The mineral property is underlain by a complex of weakly metamorphosed Mesozoic volcanic and sedimentary rocks that are cut by a series of Mesozoic and Cenozoic intrusives. Approximately 99% of the bedrock underlying the Summit 5 claims consists of Unuk River Formation dacitic volcanics (tuffs/flows and/or breccia) with minor inercalations and screens of clastic sediments and limestone. The remaining 1% consists of Tertiary and/or Jurassic felsic to intermediate composition dykes and sills. About 300 meters north of the Summit 5 claim, bedrock consists of alkaline Early- Middle Jurasic age K-feldspar porphyry intrusive rocks and hornblende granodiorite. Property bedrock lithology (BCGS symbols added) summarized:

- INTRUSIVE ROCKS
  - Tertiary and Older (Coast Range Batholith)
    - Eqmd 3b Quartz monzonite dykes
    - Eqmi 3 Quartz monzonite (Hyder and Portland Canal intrusive suite)
  - Early Jurassic (Texas Creek intrusive suite)
    - EJST 2a Orthoclase porphyry, granodiorite groundmass,
      - 1-8 mm euhedral K-spar phenocrysts
      - Granodiorite, minor granite and quartz diorite
    - EJSTaureole 2b Metasomatic hornblende
    - EJSTmetamorphic 2c Schist developed
    - EJSTalt 2d Pyrite-Quartz
- VOLCANIC AND SEDIMENTARY ROCKS (SUBJECTED TO GREENSCHIST FACIES METAMORPHIC GRADE, ORIGINAL VOLCANIC & SEDIMENTARY TEXTURES ARE WELL PRESERVED)
  - Lower Jurassic (Unuk River Formation)
    - IJHUalt 1b Altered, silicified, pyritic and clay altered rock, original texture modified.
    - IJHU 1 Lithic & crystal tuff, dacitic composition, conglomerate, sandstone, siltstone, breccia

North-northwest trending and steeply dipping Tertiary age dykes, have been mapped, as well as north, northwest and east trending steeply dipping Jurassic age dykes. Intrusive rocks are spatially related to base and precious metal bearing mineralization in the Stewart Mining Camp. The Early Jurassic (Texas Creek Plutonic Suite) and Eocene (Hyder Plutonic Suite) form four distinct mineral deposit types which are summarized as follows:

1. Early Jurassic age Au-pyrrhotite veins such as Scottie Gold Mine (contact aureole transitional epithermal-mesothermal environment of deposition).

2. Early Jurassic age Au-Ag base metal veins, e.g. Silbak-Premier, Big Missouri, and Sebakwe underground workings (telescoping epithermal environment of deposition).

The Early Jurassic age mineral deposits have been the major source of the base and precious metal production in the Stewart Mining Camp (Aldrich, 1993).

1. Eocene age Ag-Pb-Zn- (Au) veins. Mineral occurrences in the Stewart area that are Eocene age include the Dunwell, Porter Idaho, Silverado, Bayview, Indian, Spider, Outland Silver Bar, Silver Tip, and Molly B underground workings (Alldrick, 1993). Eocene age mineralization has contributed a minor source of based and precious metal. Eocene mineralization is generally tabular shaped, vuggy quartz-carbonate-sulphide fissure veins and breccia veins quite often occurring at dyke-margins in fault/shear zones.

2. Late Triassic age Cu-Zn "Besshi type" volcanogenic massive sulphides (e.g. Granduc Cu-Ag-Au). The west portion of the Summit 5 property is largely unexplored, and "VMS-type" mineral deposits are valid exploration targets. Important exploration guidelines for this deposit type include volcanic-sedimentary contacts, ferruginous chert, and regionally distributed pyritic zones hosted in thin-bedded siltstones immediately overlying stockwork style mineralization.

The Summit Lake Stock is an Early Jurassic, medium to coarse-grained hornblende diorite-granodiorite, with minor coarse-grained K-feldspar megacryst porphyritic phases. The Summit Lake Stock occurs southwest and northwest of the Summit Lake (Fig. 3). The Summit Lake Stock diorite-granodiorite is age equivalent to the Texas Creek granodiorite that occurs along the Salmon River, Alaska. The Texas Creek granodiorite is spatially related to Au-Ag bearing polymetallic quartz-carbonate-sulphide veins (e.g. Silbak-Premier, Big Missouri and SB mineral deposits). The emplacement of the Early Jurassic age Summit Lake stocks are spatially related to gold-pyrrhotite veins (e.g. Scottie Gold Mine gold-pyrrhotite veins characterized by carbonate-chlorite alteration, massive pyrrhotite-pyrite, minor arsenopyrite, chalcopyrite, and trace electrum). Scottie Gold Mine operated from 1981-85 and produced 197,522 tonnes @ 16.5 g/t Au (0.481 opt Au), and 16.0 g/t Ag (0.47 opt Ag). Exploration guidelines for Au-pyrrhotite veins include:

1. Metamorphic overprint.

2. Quartz-carbonate-chlorite-pyrite-sericite alteration.

3. En echelon veins (ladder veins).

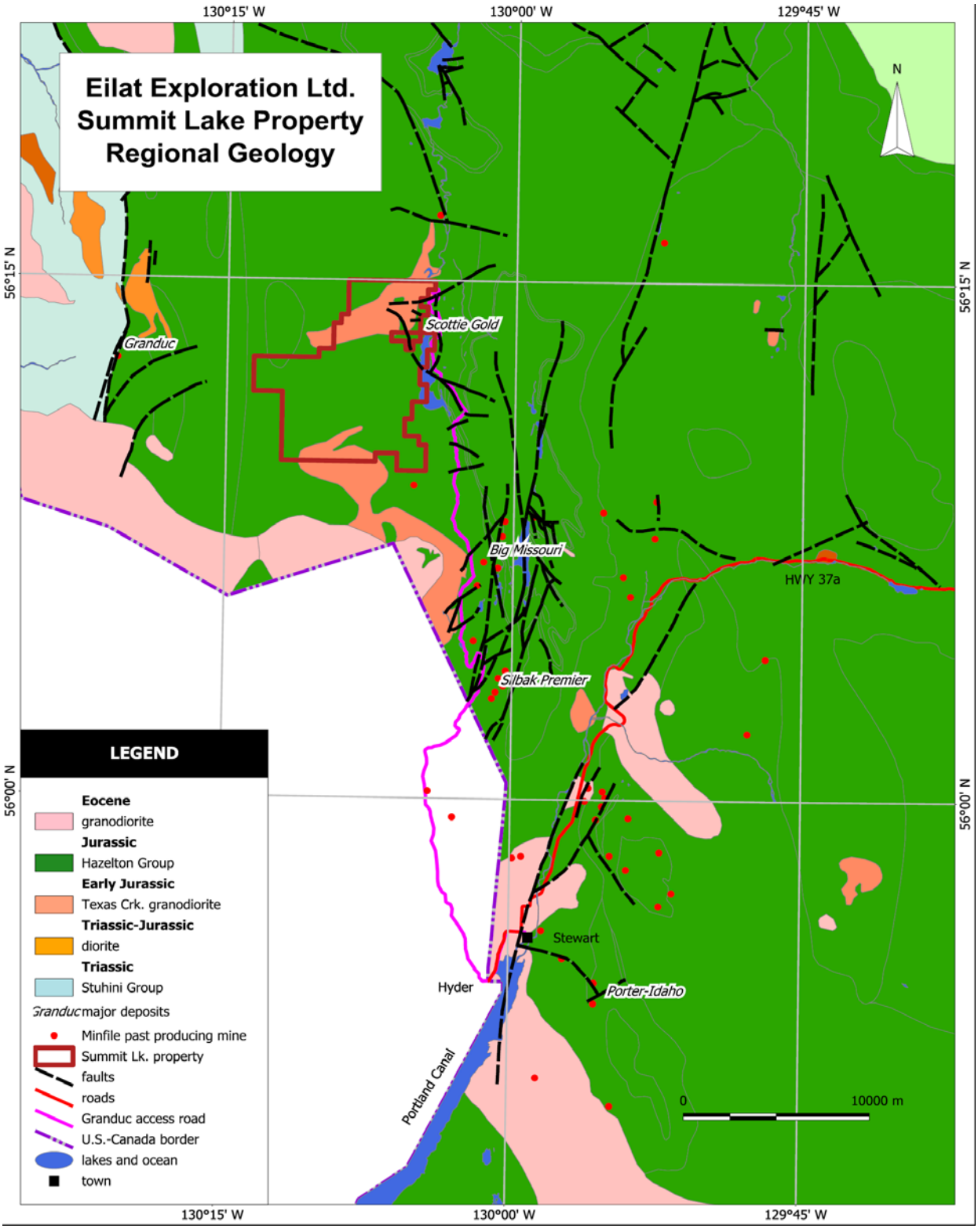

Figure 4. Regional geology & major mineral deposits.

The Stewart Complex includes a thick sequence of Late Triassic to Middle Jurassic volcanic, sedimentary, and metamorphic rocks. These have been intruded and cut by a mainly dioritic to syenitic suite of Lower Jurassic through Tertiary plutons which together form part of the Coast Plutonic Complex. Deformation, in part related to intrusive activity, has produced complex fold structures along the main intrusive contacts with simple open folds and warps dominant along the east side of the complex. Cataclasis, marked by strong north-south structures, are prominent features that cut this sequence.

Country rocks in the Stewart area comprise mainly Hazleton Group strata which includes the Lower Jurassic Unuk River Formation, and the Middle Jurassic Betty Creek (and Mt.Dillworth) Formations. This sequence is unconformably overlain by Salmon River Formation, and the Nass River Formation (Grove, 1972). Unuk River strata includes mainly fragmental andesitic volcanics, epiclastic volcanics, and minor volcanic flows. Widespread Aalenian uplift and erosion was followed by deposition of the partly marine volcaniclastic Betty Creek Formation, the mixed Salmon River Formation, and the dominantly shallow marine Nass River Formation.

Intrusive activity in the Stewart area has been marked by the Lower and Middle Jurassic Texas Creek granodiorite with which the Big Missouri, Silbak Premier, SB, and many other mineral deposits in the district are associated. Younger intrusions include the Hyder Quartz Monzonite and many Tertiary stocks, dykes, and sills which form a large part of the Coast Range Plutonic Complex. Mineral deposits such as B.C. Molybdenum at Alice Arm, Porter-Idaho near Stewart, and a host of other deposits are related to 48 to 52 Ma (Eocene) plutons. These intrusive rocks also form the regionally extensive Portland Canal Dyke Swarm.

Most of the bedrock mapped on the Summit Lake property consists of Unuk River Formation dacitic volcanics (tuffs/flows and/or breccia) with minor intercalations and screens of clastic sediments and limestone. Alkaline, Early Middle Jurasic K-spar porphyry intrusive rocks (Summit Lake granodiorite/diorite) cut the Unuk River Fm. and appear as two distinct 600-1200 meter wide stocks.

More than 700 mineral deposits and showings have been discovered in a large variety of rocks and structures in the Stewart Complex. The Silbak-Premier represents a telescoped (transitional), epithermal gold-silver base metal deposit localized along complex, steep fracture systems, in Lower Jurassic volcaniclastics unconformably overlain by shallow dipping Middle Jurassic Salmon River Formation sedimentary rocks. In this example, the overlying sedimentary units form a barrier or dam, trapping bonanza type gold-silver mineralization at a relatively shallow depth. Metallogeny of the Silbak-Premier, Big

Missouri, SB, and a number of other deposits in the Stewart area are related to early Middle Jurassic plutonic-volcanic events. Overall, at least four major episodes of mineralization involving gold-silver, base metals, molybdenum, and tungsten dating from early Lower Middle Jurassic through to Tertiary have been recorded throughout the Stewart Complex.

8 Deposit Types

The focus of exploration on the Summit Lake property is primarily to define precious and base metal bearing zones of economic importance, such as Early Jurassic age Scottie Gold Mine Au-pyrrhotite vein systems. A secondary target of outlining Eocene age Ag-Pb-Zn bearing sulphide mineralization and/or Late Triassic age volcanogenic massive sulphide deposits similar to Granduc Mine is also valid. There is also a possibility of discovering Early Jurassic Au-Ag base metal veins on the subject property. There is also a possibility that higher level (i.e. epithermal) equivalents of Au-pyrrhotite veins and/or metasomatic deposits (deformed VMS) exist within the subject property (Alldirick, 1983).

Within the Summit Lake mineral tenures, there are 2 types of quartz-carbonate-sulphide vein and/or replacement deposit types (after Alldrick, 1983):

Photo 4. Scottie Gold Mine (foreground), Morris Summit Glacier (background)

Table 9. Deposit types, Summit Lake property

Deposit Type	Au:Ag Ratio	Ore Minerals	Gangue Minerals	Textures	Alteration	Structure	Age
Au-Pyrr-hotite Veins	>1:1 <1:1.5	Pyrrhotite, pyrite, arsenopyrite, electrum	Calcite, chlorite	Meta-morphic over-print	Pyrite, chlorite, silica	En echelon sigmoidal veins	**Early Jurassic**
Au-Ag Base Metal Veins	>1:5 <1:200	Pyrite, chalcopyrite, polybasite, electrum	K-feldspar, chlorite, calcite, chalcedony, carbon	Quartz-calcite inter-growths, comb structure, Colloform, vuggy, cockade	Pyrite, chlorite, silica, sericite, K-feldspar carbonate	Vein stockwork, breccia veins, dyke margin (Premier Porphyry), disseminated metamorphic overprint	**Early Jurassic**

Another possible deposit type that may be found on the west portion of the Summit claim group is Late Triassic age Cu-Zn "Besshi-Type" volcanogenic massive sulphides, e.g. Granduc Mine. A former producer, the Granduc Mine is located 16 km west of the Summit Lake claim. The access tunnel to the mine is 12 miles (19.3 km) long and the 10 X 12 ft tunnel is at an elevation of 2,500 ft (762 m). When production commenced at Granduc in the early 1970's, a mineral estimate of 43,343,000 tons grading 1.73% copper was established by extensive development work (Grove, 1970). The mine produced 190,144,000 Kg (419,188,710 lbs) copper, 124,049,000 grams silver and 2,000,100 grams gold. Granduc ore consists of massive pyrite, pyrrhotite, chalcopyrite, sphalerite, arsenopyrite, and cobaltite in a gangue of quartz-carbonate and minor magnetite. The north-south trending ore zones are hosted in mylonite, phyllonite, hornblende gneiss, and marble.

9 Mineralization

The Early-Middle Jurassic Summit Lake Stock diorite-granodiorite is age equivalent to the Texas Creek granodiorite that occurs along the Salmon River, Alaska. The Texas Creek granodiorite is spatially related to Au-Ag bearing polymetallic quartz-carbonate-sulphide veins (e.g. Silbak-Premier, Big Missouri and SB mineral deposits). The emplacement of the Summit Lake stocks are spatially related to gold-silver bearing pyrrhotite veins occurring as fracture infilling and replacement (hosted in hornfels). Mineralization is characterized by carbonate-chlorite alteration, massive pyrrhotite-pyrite, minor arsenopyrite, chalcopyrite, variable galena-sphalerite, rare molybdenite and cobaltite, as well as trace electrum. A secondary target of outlining Eocene age Ag-Pb-Zn bearing sulphide mineralization is found

in the southern portion of the property which is cut by the Portland Canal dyke swarm. Late Triassic age volcanogenic massive sulphide deposits similar to Granduc Mine may occur on the west portions of the property. This area is approximately 8 km southeast of Granduc mine. Higher level (i.e. epithermal) equivalents of Au-pyrrhotite veins and/or metasomatic deposits (hornfels) occur at higher elevations near Summit Mountain.

Photo 5. Rock chip sampling, Summit Lake property

10 Exploration

Fieldwork in 2015 was carried out by Eilat Exploration Ltd personnel on MTO mineral tenures 515878, 515633, & 516120 (located in the northeast portion of the claim group). Fieldwork consisted of geological descriptions, petrographic reports, geochemical soil sampling, mine waste soil sampling, and rock chip sampling. Geochemical sampling by Eilat Exploration Ltd in 2015 consisted of a total of 30 rock chip samples, 25 soil (natural undisturbed sites), and 9 soil (mine waste sites). Fieldwork performed by Eilat Exploration Ltd in 2015 is relevant to the exploration of base and precious metal bearing mineralization.

10.1 Methods and Procedures

Each rock sample consisted of between 0.46-2.2 kgs of rock chips (1-4 cm sized rock fragments). Rock chip samples were taken from outcrop, except for two rock samples, # 16 & 58 which are float samples (glacial drift). Rock chip samples were broken up with rock hammer and chips were collected to avoid contamination, placed in marked poly ore bags, and shipped to ALS Minerals, N Vancouver, B.C. for multi-element ICP geochemistry and Au-Ag gravimetric assay. ALS Minerals (affiliate Vancouver Petrographics Ltd) provided petrographic polished and thin section descriptions. Five rock samples (# 2015-013b, 2015-013B, 2015-059A, 2015-059B and 2015-059C) were sent to Bureau Veritas Labs Ltd, Vancouver, BC for multi-element ICP geochemistry and Au-Ag gravimetric assay.

Soil samples weighing between 0.6-4.38 kgs were taken with a grub-hoe from a depth of 5-30 cm from a poorly developed ‘B’ horizon in the soil profile. Large rocks were removed by hand and soil shaken off. Soil was placed into marked tyvex bags, dried and shipped to ALS Minerals, N. Vancouver, B.C. for multi-element ICP geochemistry. Mine waste soils were taken in a similar manner and sent to ALS Minerals, N Vancouver, B.C. for acid rock drainage tests. Garmin 60Cx portable receivers were used for GPS readings and recorded to locate sample sites. All GPS data was recorded in latitude longitude and converted to metric UTM NAD 83 datum, Zone 9.

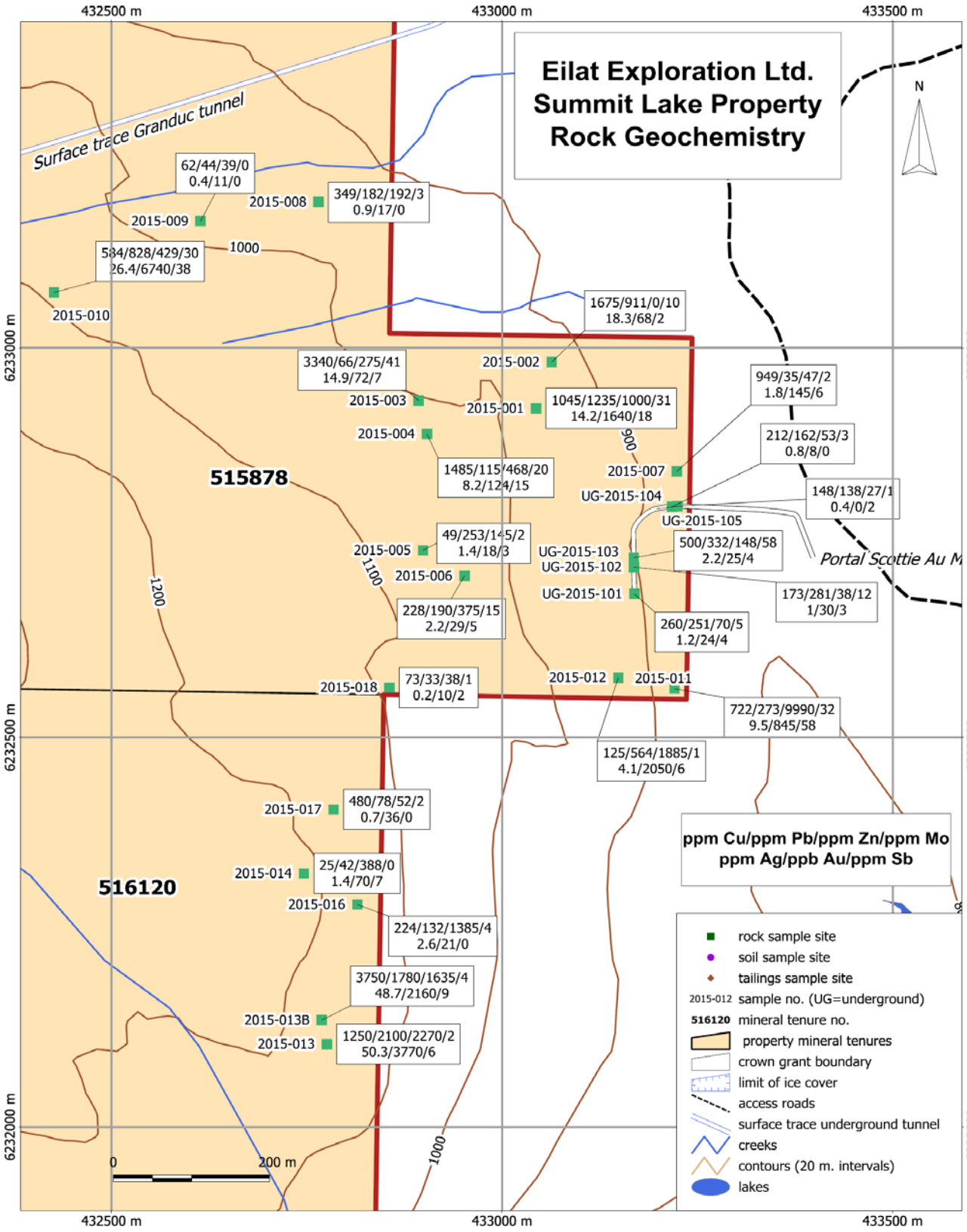

Figure 5. Rock sample sites and results for Cu, Pb, Zn, Mo, Ag, Au and Sb, area west of Scottie Au mine portal.

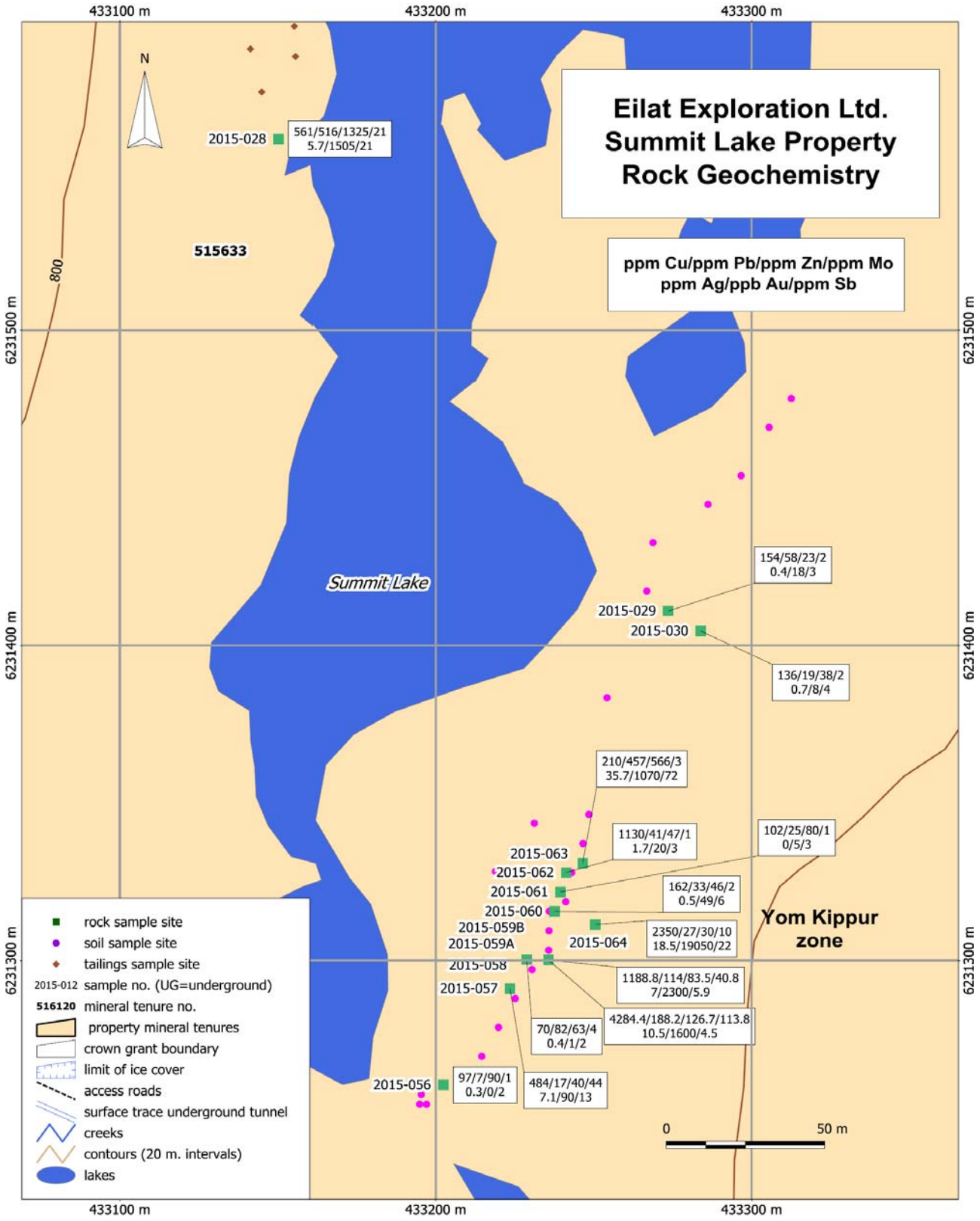

Figure 6. Rock sample sites and results for Cu, Pb, Zn, Mo, Ag, Au and Sb, Yom Kippur zone.

Photo 6. Discovery showing, Yom Kippur zone.

10.2 Rock Sample Geochemistry

Mineralization present on the subject property features Au-Ag bearing sulphides. Mineral assemblages include massive pyrrhotite-pyrite, minor arsenopyrite, chalcopyrite, variable galena-sphalerite, rare molybdenite and cobaltite, as well as trace electrum. Higher gold values in rock samples correlate with increased arsenic and to a lesser extent copper. Higher silver values correlate with increased lead and zinc. Sample 2015-64 (located adjacent to Yom Kippur Zone) returned the highest gold value (19.0 g/t Au), also has the highest arsenic (>10,000 ppm As), and also the highest cobalt (2,800 ppm Co).

Rock chip sampling was carried out in an area located immediately west of the Scottie Mine Camp Portal (Figure 5)). Rock sampling by Eilat Exlploration in 2015 was centered at 432865 E, 6232778 N elevation 1077 m (east portion of MTO tenures 515878 & 516120). This location is near rock sample 2915-13A, 13B which has been described by petrographic polished thin sections. Rock sampling outlined several zones of Au-Ag bearing sulphides.

A total of 5 samples (ID # 2015-1, 10, 12, 13A, & 13B) taken from the Camp Portal area returned geochemical analysis values > 1 gram/tonne listed as follows:

Table 10. Anomalous rock samples collected west of Scottie Mine portal

ID	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	As ppm	Sb ppm	Mo ppm
2015-001	1045	1235	1000	14.2	1.64	1050	18	31
2015-010	584	828	429	26.4	6.74	2170	38	30
2015-012	125	564	1885	4.1	2.05	68	6	1
2015-013	1250	2100	2270	41.0*	3.77*	1290	6	2
2015-013b	3750	1780	1635	54.0*	2.16*	717	9	4

*ALS code ME-GRA21 gravimetric precious metal assay

All other values listed ALS code ME-ICP41

Rock chip sampling was also carried out on the newly discovered Yom Kippur Zone located further south in an area centered at 433264 E, 6231443 N, 786 m elevation, approximately 350 m ESE of Scottie Gold Mine underground mill site (Figure 6). The abandon Scottie Gold underground mill site has sizeable cutouts in solid bedrock located at 432963 E, 6231557 N, 841 m elevation. Rock sample 2015-59A, & 59B were submitted for thin/polished section petrographic descriptions. Petrographic descriptions identify two phases of pyrite, an early inclusion-free pyrite, that is cut by late phase porous pyrite that has numerous inclusions (Columbo, 2015). Late phase porous pyrite is likely to contain higher precious metal values. Magnetic susceptibility was tested on samples 59A and 59B. The massive pyrrhotite in sample 59B has a 4-fold increase of magnetic susceptibility compared to sample 59A which contains pyrite and pyrrhotite.

A total of 4 samples (ID # 2015-59A, 59B, 63, & 64) taken from the Yom Kippur Zone returned geochemical analysis (ALS code ME-ICP41) values > 1 gram/tonne listed as follows:

Table 11. Anomalous rock samples, Yom Kippur zone

ID	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	As ppm	Sb ppm	Mo ppm
2015-059A	4284.4	188.2	126.7	10.5	1.6**	10.9	4.5	113.8
2015-059B	1188.8	114.0	83.5	7.0	2.3**	11.8	5.9	40.8
2015-063	210	457	566	36.0*	1.07*	3000	6	1
2015-064***	2350	27	30	41.0*	19.0*	>10,000	6	2

**Bureau Veritas Lab code FA550 gravimetric precious metal assay

*ALS code ME-GRA21 gravimetric precious metal assay

All other values listed ALS code ME-ICP41 (ID 2015-63, 64) &

Bureau Veritas Lab code AQ250 (ID 2015-59A, 59B)

***2,800 ppm Co (Rock sample 2015-64)

10.3 Soil Sample Geochemistry

Soil sampling was also carried out on the newly discovered Yom Kippur Zone (Figure 7). A total of 3 out of 25 soil samples returned geochemical analysis (ALS code ME-MS41L) values > 0.2 ppm Au listed as follows:

Table 12. Anomalous soil samples, Yom Kippur zone.

ID	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppm	As ppm	Sb ppm	Mo ppm
2015-032	910	467	2170	7.28	1.42	1285	29.5	23.1
2015-033	237	149	235	2.36	0.62	296	7.6	12.5
2015-049	176.5	93.6	193	1.43	0.21	124	3.9	5.7

Results from soil sampling the Yom Kippur indicate that elevated Au-Ag values correlate well with higher Cu-As-Sb-Pb-Zn-Mo, which are interpreted as good geochemical pathfinders for precious metal exploration on the subject property.

Photo 7. Underground sample site UG2015-103.

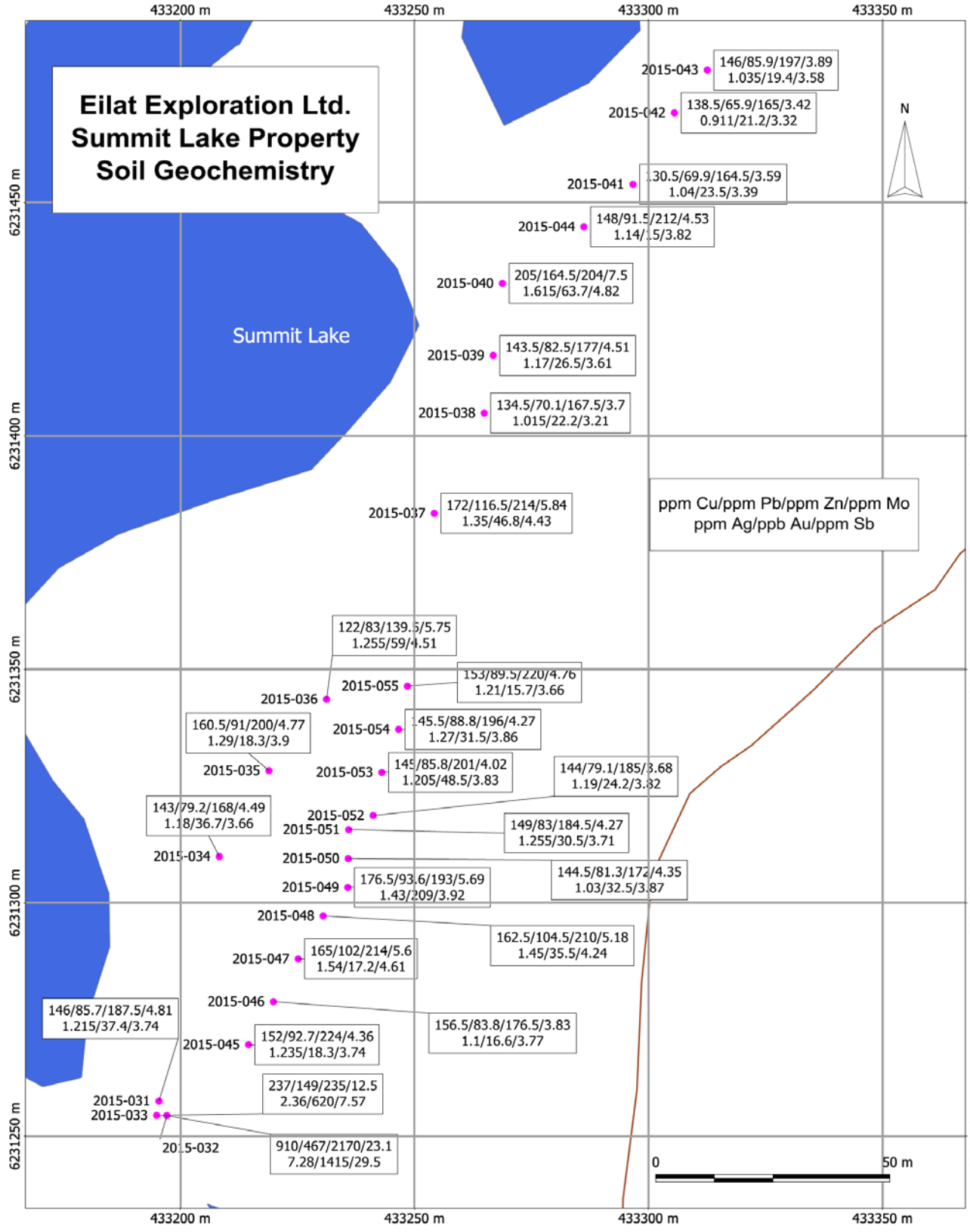

Figure 7. Soil samples locations and results for Cu, Pb, Zn, Mo, Ag, Au and Sb, Yom Kippur zone.

10.4 Metal ratio plots

Metal ratios of rock chip samples taken in the 2015 field program by Eilat Exploration Ltd are presented as X-Y analysis value plots were used to identify trends and correlations between select and relevant elements (Appendix C). Results indicate that Au/Cu, Ag/Cu, Ag/Fe, As/Sb, Co/Cu ratios have a positive correlation (i.e. there is an increase of one element value relative to the other). Results also indicate that Ag/Pb, Au/Fe ratios have a weak correlation (i.e. there is an uneven increase of one element value relative to the other), and Pb/Zn, Au/Ag ratios have a poor correlation (i.e. scatter plots show no trend or correlation). These metal ratio comparisons indicate the rock samples taken in the 2015 fieldwork program are Zn poor, have erratic Pb, and the main commodity of interest is Cu-Au-Ag. The geochemical analysis associations are interpreted as Jurassic age mineralization present in rock chip samples on the subject property (similar age as Silbak-Premier, Big Missourri, Scottie Gold). It is likely that Eocene age mineralization would have high correlations with Pb/Zn and Au/Ag ratios as opposed to the poor correlation exhibited in rock samples (e.g. Dunwell, Silver Crown, Porter-Idaho which are dated Eocene age mineralization).

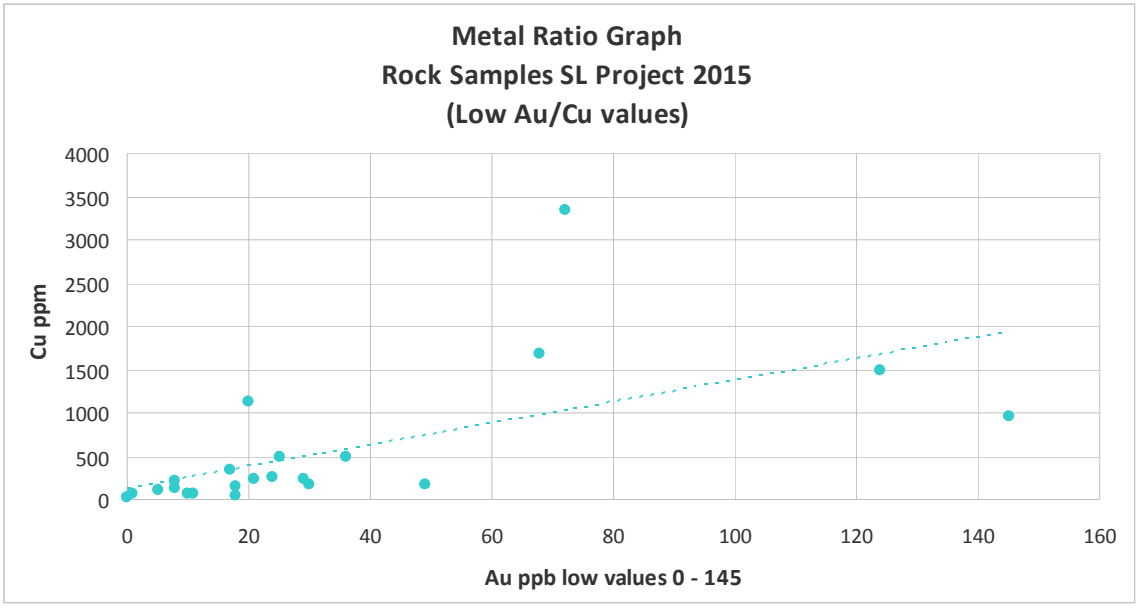

Figure 8. Metal ratio graph, rock samples, low Au/Cu values.

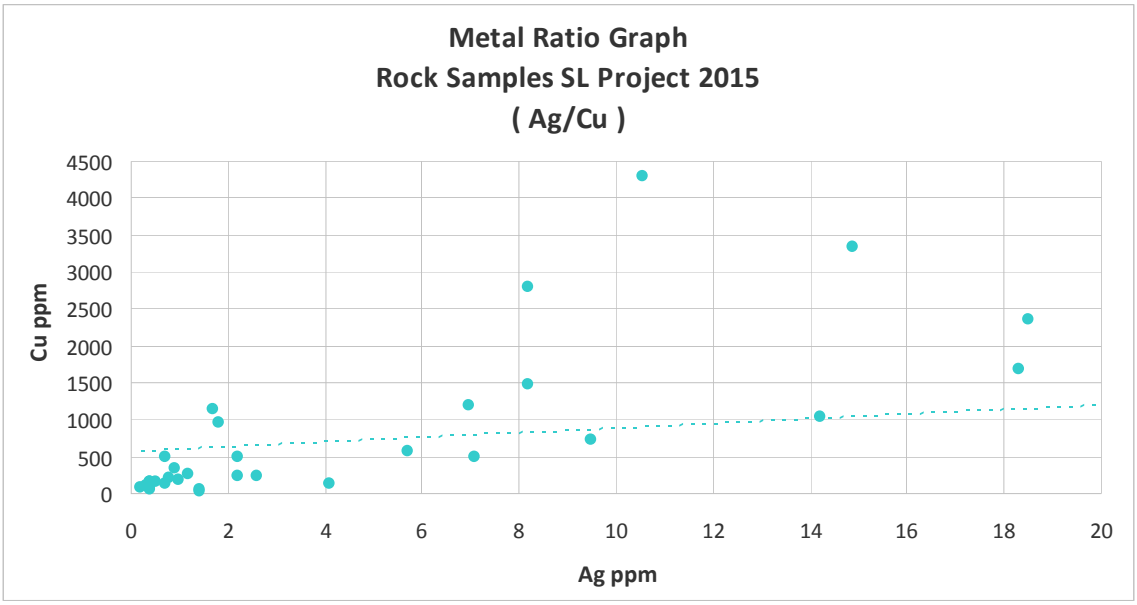

Figure 9. Metal ratio graph, rock samples Ag/Cu values.

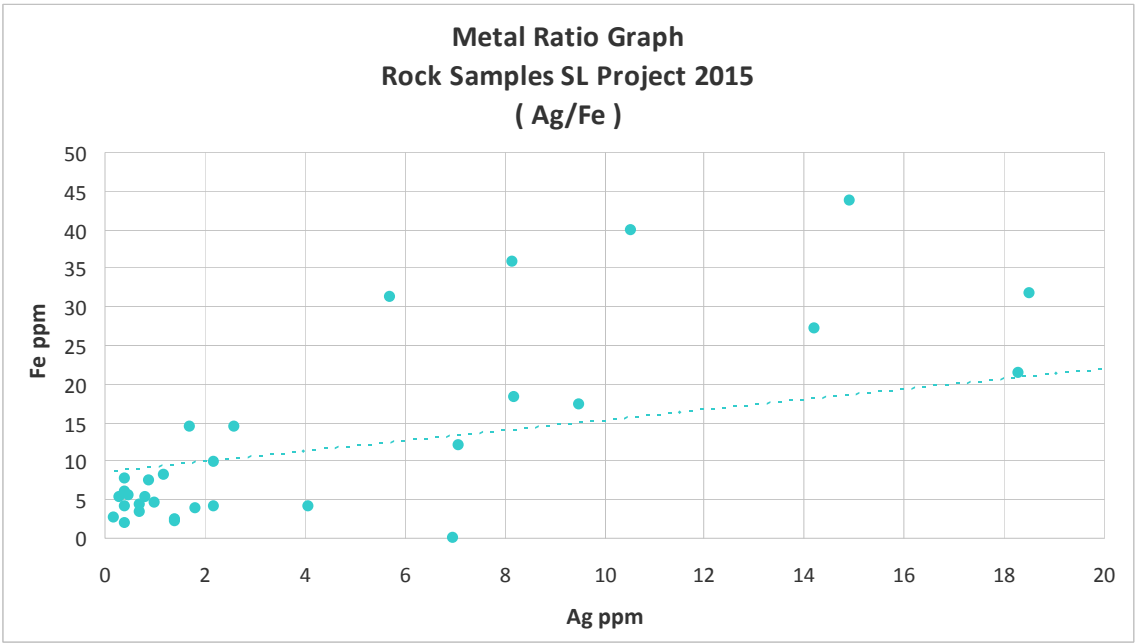

Figure 10. Metal ratio graph, rock samples, Ag/Fe values.

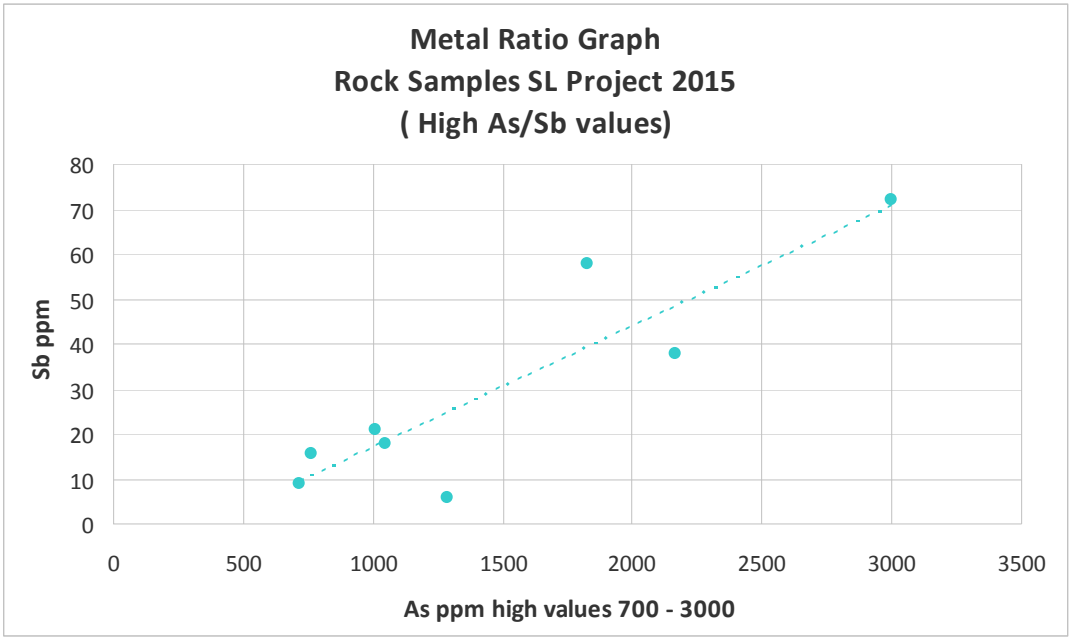

Figure 11. Metal ratio graph, rock samples, high As/Sb values.

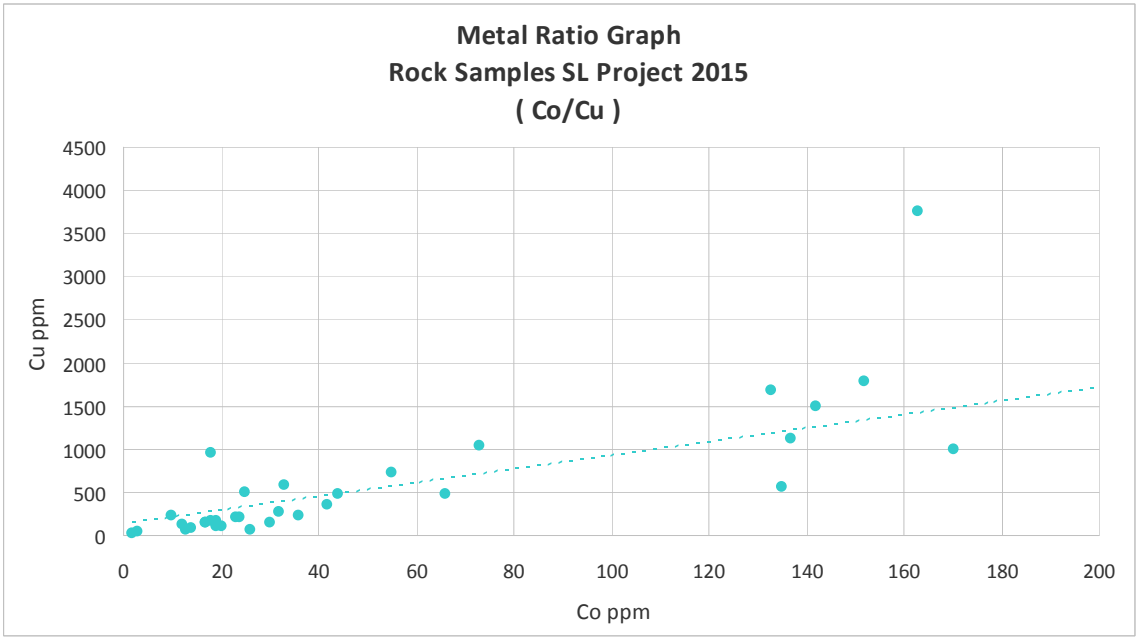

Figure 12. Metal ratio graph, rock samples, Co/Cu values.

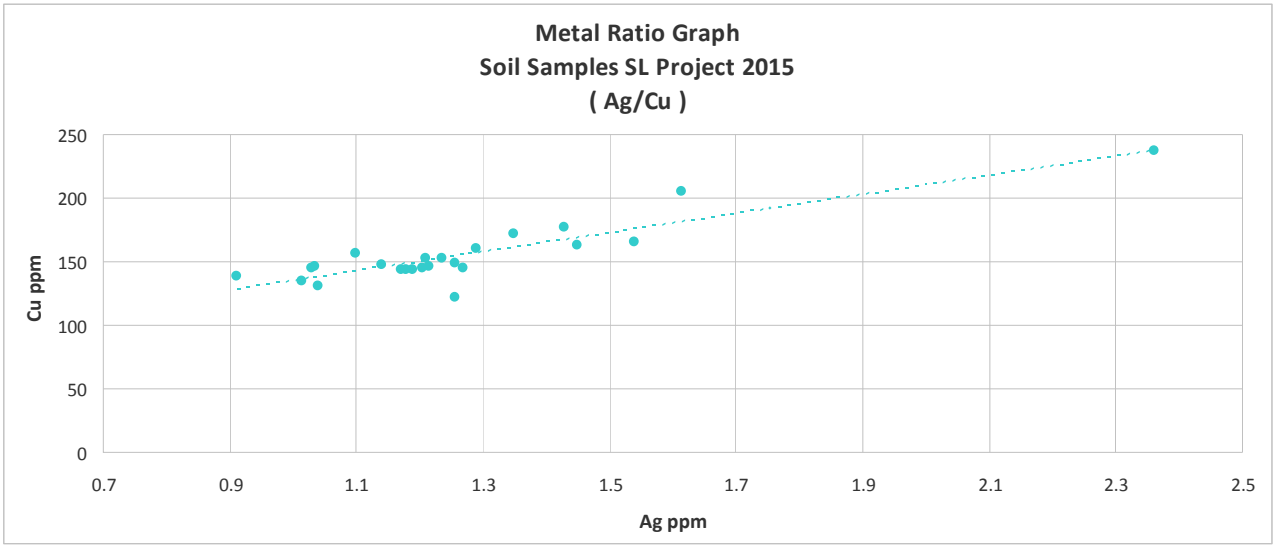

Figure 13. Metal ratio graph, soil samples, Ag/Cu values.

10.5 Mine Waste Soil Sample Geochemistry

Eilat's ongoing exploration plans for the Summit Lake Project include a detailed survey of claim 515633 which covers the now dry lake bed of Summit Lake. This program is to include detailed geochemistry, trenching and drilling. In its assessment of the prevailing conditions, Eilat has identified a potential environmental issue with such an exploration program that would require disturbing the mine waste tailings that are located on the bottom of Summit Lake.

Because of the extremely high potential for mineral discoveries as shown in the Yom Kippur discovery (sample 2015-059) in Eilat's 2015 exploration program, and the close proximity of the Scottie Mine – located between 400 metre to 800 metres to the west of the proposed exploration area, there is a very real need for exploration of the lake bed.

The Scottie mine operated in the late 1970's and early 1980's and processed ore which was high in sulphide mineralization that included pyrite, pyrrhotite, arsenopyrite, and other heavy metals. The ore was ground and cyanide treated in an underground mill in the Scottie Mine and then discharged into Summit Lake for submarine tailings disposal. Summit Lake at the time was perennial except for a short period of the year when the ice wall formed by the Salmon Glacier that blocked the valley and formed the lake, melted back and the waters emptied into the Salmon River. The sudden exit of waters was generally at the end of summer which was shortly followed by winter snows that covered the area and the freezing the ice wall that gave rise to the filling of the lake once again. However, with the onset of global warming ice wall no longer forms and Summit Lake remains empty year round.

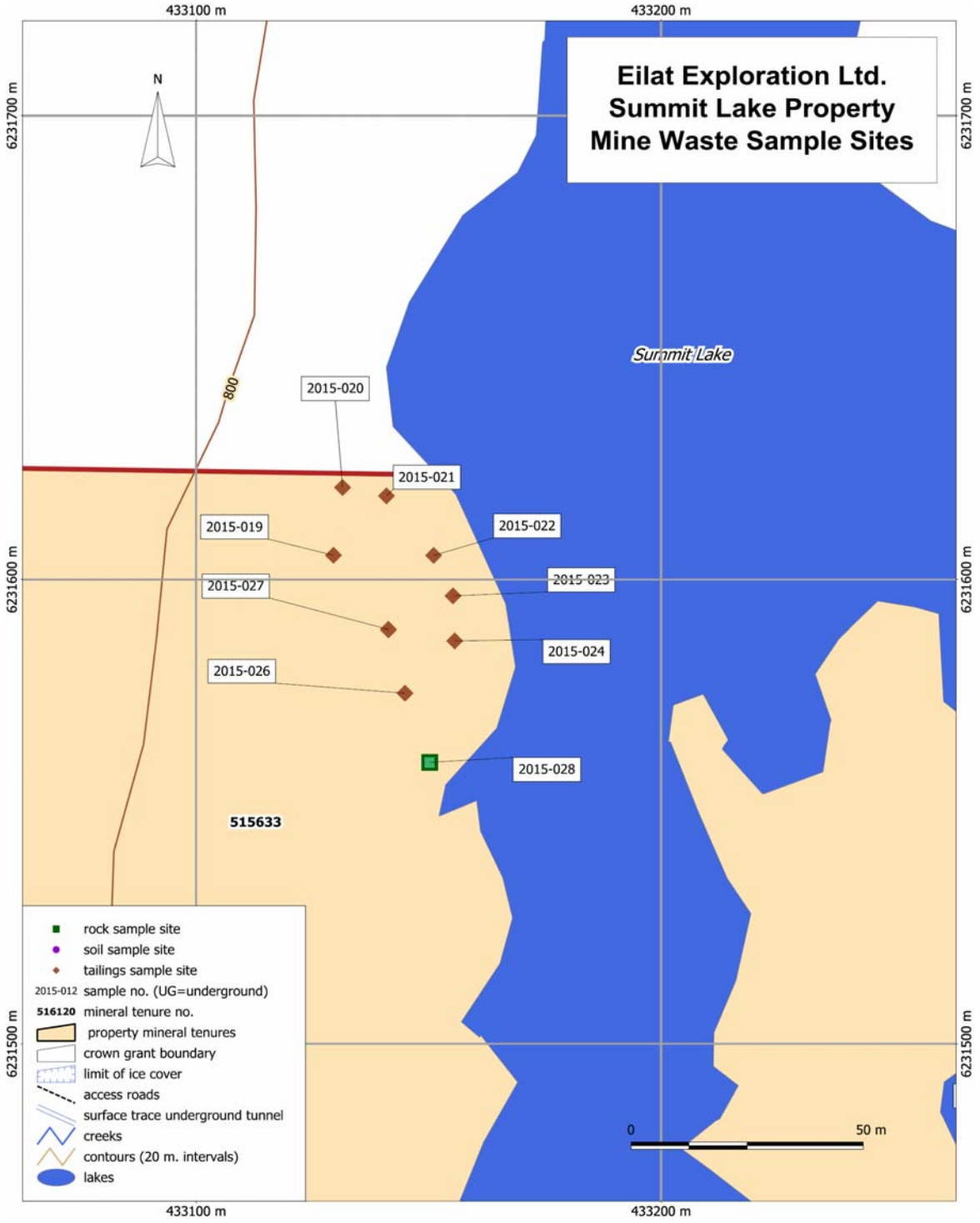

Figure 14. 2015 mine waste samples.

Eilat reports that the mine waste tailings have shown considerable change in color over the past 10 years with the tailings going from a grey color to brown with areas of red coloration. This tends to indicate oxidation of the sulphides present.

As mine tailings were allowed to freely flow into the lake the presence of a layer of mine contamination may be widespread and needs to be determined.

Photo 8. Mine waste site near Scottie Au mine portal, west shore of Summit Lake

As the mine tailings sit on top of areas of geological interest, the mine waste soils sampling program was needed, in order to determine any potential environmental effects of an exploration program in the bed of Summit Lake by the production of ARD and ML. As the run off water from Summit Lake flows into the Salmon River which is an important fish breeding stream the concerns about how to handle the issue are of very important dimensions. Concerns arise as to what additional oxidation of the tailings might occur when trenching and drilling is conducted.

Photo 9. Another view of mine waste site sampled in 2015.

Photo 10. Close up of mine tailings showing oxidation colours.

10.5.1 Sample Program

A total of 9 soil samples were taken from waste dumps next to Scottie Gold Mine millsite, in the area adjacent to the Yom Kippur Zone (north portion of MTO tenure 515633). These waste dump samples were collected from hand dug shallow pits. These samples were taken in order to assess metal leaching.

ALS Minerals calculates the ability of mine waste material to produce acid rock drainage or to consume free acid and neutralize it. This is done by acid-base accounting, measuring and recording pH, DO (dissolved oxygen), temperature and subsample (50mL) for metals leaching from each sample flask and their static control flasks. Analysis of Leachate (Sobek method) for metals include: Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Rb, S, Sb, Se, Si, Sn, Sr, Te, Th, Ti, Tl, U, V, W, Zn, Zr. The objective of the measuring leached metals is to assess net acid generation of waste rock. Results suggest the mine waste from Scottie Gold is acid generating and because mine waste is exposed to free oxygen (no longer submerged by Summit Lake which has dried up), there is considerable leaching of a variety of metals into the local environment. Further disturbance of the tailings by trenching or drilling may increase the rate of oxidation with production of ARD and ML contamination due to percolation of water through the tailings from rain and melting snow.

The samples were mixed in their bags and 450 grams of each sample were weighed into two separate flasks. 250 ml of ultrapure water was then added to each flask and the samples were mixed in their flasks to form a slurry. After two hours, 50 ml of the slurries were removed from the flasks for pH, dissolved oxygen and metals analysis.

10.5.2 Results

All samples have high results for Arsenic, Cadmium, Manganese, and Selenium which are above BC Contaminated Site Regulations (Source: BC Contaminated Sites Regulation, May, 2011, BC-CSR-All Land and Water Uses). Samples also had other metals that were above the regulations as found on the attached test report. In general the data from each set of samples correspond to each other. (Personal Communication, Dwayne Bennett, P.Chem, ALS Technical Specialist).

Initial control samples of the mine waste (9 samples taken from tailings), which are located on the north portion of MTO tenure 515633, have been tested at ALS Labs, Vancouver (Appendix A, certificate L1720955). The pH of samples 1 and 2 (out of 9 samples) were recorded as 2.6 and 3.5. The low pH and relatively high dissolved metal content of samples 1 and 2 suggests that this area has potential for acid rock drainage and metal leaching into

the nearby environment. This is further demonstrated in the content of select dissolved metals that are leached from pure water solution in laboratory flasks as follows:

Table 13. Initial analysis Leached Metal Results Reported as mg/liter

Station No.	Sample No.*	As	Sb	Cd	Pb	S
2015-019	1	0.137	0.014	8.5	1.45	1330
2015-020	2	0.231	0.02	0.38	1.7	2350
2015-021	3	0.011	0.002	0.01	0.001	809
2015-022	4	0.011	0.003	0.002	0.001	1100
2015-023	5	0.013	0.003	0.003	0.001	1110
2015-024	6	0.017	0.004	0.003	0.001	706
2015-026	7	0.007	0.004	0.002	0.001	847
2015-27	8	0.013	0.008	0.002	0.004	646
2015-27	9	0.018	0.002	0.003	0.001	641
Average		0.051	0.007	0.989	0.351	1059.9

* sample no. is prefixed by VA15165506R e.g sample 1 in table is equivalent to sample VA15165506R1 on Certificate of Analyses L1720955

Photo 11. Test samples used to determine ARD potential at ALS lab.

Photo 12. Samples on temperature control pads, ALS lab.

10.6 Petrographic Descriptions

Two samples from the Yom Kippur showings (ID 2015-59A, & 2015-59B) were taken for petrographic descriptions by Vancouver Petrographic Ltd, Langley, BC. Results of microscopic optical analysis and interpretation of polished thin sections indicate sample 59A contains comparable amounts of pyrite and pyrrhotite, sample 59B is dominated by pyrrhotite. Chalcopyrite is rare and fine-grained in both samples. The microstructures in Sample 59A indicate that pyrrhotite, chalcopyrite, chlorite, tremolite/actinolite, and quartz post-dated the crystallization of pyrite. The pyrite can be distinguished into two types: an earlier, inclusion-poor form (py1) and a second generation of porous pyrite (py2). Sample 59A contains fine-grained aggregates of asbestiform amphibole including tremolite and actinolite (Columbo, 2015). There are no flexible asbestiform minerals present in sample 59A.

One rock sample from the 2015-13A showing was also submitted to VanPetro for petrographic descriptions. This sample is dominated by massive pyrrhotite, in which subhedral crystals of pyrite are dispersed. The massive pyrrhotite is in contact with a very fine- to fine-grained infill domain containing clay, quartz, and rare calcite. The sample is described as massive pyrrhotite-minor pyrite-clay and quartz-minor calcite infilling.

Full copies of the petrographic reports referenced here are included in Appendix D.

11 Drilling

There has been no mineral exploration drilling reported on the Summit claim group. If any drilling was done, it has not been reported as assessment work credit.

12 Sample Preparation, Analyses and Security

Geochemical analysis data from 2015 rock and soil sampling was carried out using relevant and reliable methods. Rock chip and soil samples taken by Eilat Explorations Ltd personnel on the Summit Lake claim group was not handled or tampered with by anyone, including associates of the issuer. The samples were prepared using standard analytical procedures by ALS Minerals Ltd and Bureau Veritas Labs in Vancouver, B.C.

13 Data Verification

ALS Minerals Ltd and Bureau Veritas Labs performs internal quality control by performing routine check analysis on random samples to verify data. Duplicate analysis of samples 59A, 59B, & 13B was carried out by Bureau Veritas Labs, and results indicate that samples are repeatable and do not have any significant nugget effect. This is also demonstrated by comparing ICP vs Gravimetric Assay for Au-Ag values. The ICP data closely resembles the gravimetric assay for gold and silver further suggesting there is minimal nugget effect (i.e. erratic grain size and distribution of precious metals).

14 Adjacent Properties

The well mineralized Stewart Complex extends from Alice Arm to the Iskut River. Exploration and development of major mines in the Stewart area, including Silbak-Premier, Snip, Johnny Mountain, Anyox, Alice Arm, Granduc, Scottie, Big Missouri, Porter-Idaho, Tenajon SB, and Maple Bay, and new reserves outlined at Eskay Creek, Red Mountain, Willoughby, Galore Creek & Sulpherets are the main reason why this is one of Canada's most active mining districts.

The Stewart area has been exploited for minerals since 1900 when the Red Cliff deposit on Lydden Creek was mined. Since then, approximately 100 base and precious metal deposits within the Stewart Mining District have been developed. Total recorded production from the Stewart area is 1,900,000 ounces gold, 40,000,000 ounces silver, and 100,000,000 pounds copper-lead-zinc. Most of this production comes from the famous Silbak-Premier

mine which operated from 1918 to 1968. This mine was reactivated in 1987 by Westmin Resources to recover near surface bulk tonnage, low-grade gold and silver. Presently the surface reserves are exhausted and Westmin was extracting ore from various underground levels up to 1999. Total production from the Silbak-Premier Mine is listed @ 1.8 million troy ounces gold, and 41 million troy ounces silver from 4.2 million tonnes extracted (Alldrick, 1993). Additional ore has been produced from Big Missouri & SB deposits.

The Eskay Creek deposit contains an estimated 4,000,000 ounces gold, 45,000,000 ounces silver, and 120,000,000 pounds copper-lead-zinc. This deposit is buried and eluded discovery for some 50 years of exploration on the claims. The unique high-grade, stratiform 2-60 metre wide massive sulphide is outstanding in terms of predictability of its geology and tenor, and its relatively well defined, contact controlled assay boundary.

The Granduc Mine is a Late Triassic age Cu-Zn "Besshi-Type" volcanogenic massive sulphide deposit. A former producer, the Granduc Mine is located 9 km west of the Summit 5 claims. The access tunnel to the mine is 12 miles (19.3 km) long and is at an elevation of 2,500 ft (762 m). When production commenced at Granduc in the early 1970's, a mineral estimate of 43,343,000 tons grading 1.73% copper was established by extensive development work (Grove, 1970). The mine produced 190,144,000 Kg (419,188,710 lbs) copper, 124,049,000 grams silver and 2,000,100 grams gold. Granduc ore consists of massive pyrite, pyrrhotite, chalcopyrite, sphalerite, arsenopyrite, and cobaltite in a gangue of quartz-carbonate and minor magnetite. The north-south trending ore zones are hosted in mylonite, phyllonite, hornblende gneiss, and marble.

Scottie Gold Mine is located 250-1,200 meters north of the north end of Summit 5. Most of Scottie Gold mine workings are north of a major east-west trending creek draining Morris Summit Glacier (Fig. 3). This gold-silver mine produced 96,544 ounces of gold from 182,185 tons of ore (from Oct. 1, 1981 until Feb. 18, 1985). Ore zones are hosted in andesitic volcanic rocks near the eastern edge of a large hornblende granodiorite stock (Early Jurassic age). Ore zones on the Scottie Gold property are vein networks localized within four complex, sub-parallel shear or fracture zones. The vein networks are major structures trending about 130 degrees and dipping 75-80 degrees NE. The 'L', 'M', and 'N' Zones have a horizontal separation of 50 meters, the 'O' Zone is roughly 110 meters farther to the NE. The mineralization consists of fine-grained pyrrhotite, pyrite, arsenopyrite, chalcopyrite, sphalerite, galena, tetrahedrite, and electrum within silicified zones that are controlled by composite shear planes (i.e. en echelon spaced ore lenses). They have been called shear veins, sigmoidal veins, extension veins, tension gashes and ladder veins (Alldrick, 1993). Scottie Gold has a historic mineral estimate listed @120,000 tons of 19.2 g/t Au, or 0.561 oz/t Au (this estimate is non-compliant with National Instrument 43-101

and not relied upon). Past exploration work by Tenajon Res Corp produced some good results including core drilling from underground stations in 2005 (source:www.tenajon.com):

*26.2 ft (8.0 m) of 0.721 troy ounces/short ton

*12.1 ft (3.7 m) of 0.824 troy ounces/short ton

*5.2 ft (1.6 m) of 1.008 troy ounces/short ton.

Teuton Resources Corp is presently working on adjacent properties north of Stewart, BC which include Berendon Glacier and Treaty Creek.

Pinnacle Mines is working the Silver Coin property 14 km north of Stewart. Pinnacle is partnered with Mountain Boy Minerals. A recent drill hole was reported to cut 30 feet (9.1 meters) grading 1.500 opt Au (source:www.pinaclemines.com). The Silver Coin (extension of the SB deposit), is a past producing mine (90,000 tonnes shipped to Silbak-Premier). A resource estimate of the Silver Coin includes inferred 32,400,000 tonnes at 0.78 g/t Au, 6.42 g/t Ag, 0.18% Zn.

15 Mineral Processing and Metallurgical Testing

The Summit Lake property claims (tenure ID #508248, 508249, 515627, 515629, 515633, 515877, 515878, 516101, 516103, 516104, 516106, 516107, 516111, 516120, 519589, 519592, 527242, 583912, & 993684) has not had any past production or bulk sample metallurgical testing of mineralization.

16 Mineral Resource and Mineral Reserve Estimates

The Summit Lake property does not have any established mineral resource or mineral reserve estimates.

17 Other Relevant Data and Information

A program of geological, geochemical, geophysical fieldwork and possible follow-up core drilling is recommended in section 20.0 of this report. These recommendations serve as a guide and are not intended to be used for public financing.

18 Interpretation and Conclusions

A compilation of geological, geochemical and geophysical data indicates there are numerous areas of interest for follow-up mineral exploration fieldwork on the subject property:

1. massive sulphide (quartz-clay infilling). The massive sulphides of the Yom Kippur, and 13A, 13B showings located in the northeast part of the Summit Lake property occur as lenses, pods, and veins that are characterized by elevated concentrations of base and precious metals, and are located close to a widespread area of quartz-carbonate vein type mineralization related to complex fault zones.

2. Airborne mag total field strength positive anomalous response are common throughout the property (Apex Airborne Survey, Sheldrake,1983, and Fugro magnetic survey, Ramsay, 2012). Airborne magnetometer survey positive anomalies are prioritized by the presence of pyrite-pyrrhotite with base metal and minor arsenopyrite-tetrahedrite content.

3. SW portion of Summit, that coincides with a NE trending fault/fracture zone intersecting NE trending structures.

4. Upper cliffs near headwaters of Slide Gully Creek. Weak strength airborne mag total field negative anomaly located at elevations >1,425 m on Slide Gully Creek and extending SE about 1.6 km to 1100 meter elevation. This area consists of steep cliffs as a result of sub-vertically oriented zones of intense silicification and ubiquitous leached limonitic material. This area features an extensive zone of quartz-sericite-pyrite alteration (phyllic) which may account for the magnetometer negative anomaly. Zones of rusty cliffs trend southwest towards Summit Mountain (a prominent landmark at 2,120 m elevation).

5. Weak-moderate strength EM conductor airborne anomaly (Sheldrake, 1983), located in N portion of Summit Lake property. This area has an extensive zone of quartz-sericite-pyrite alteration (phyllic), & N to NW trending dykes.

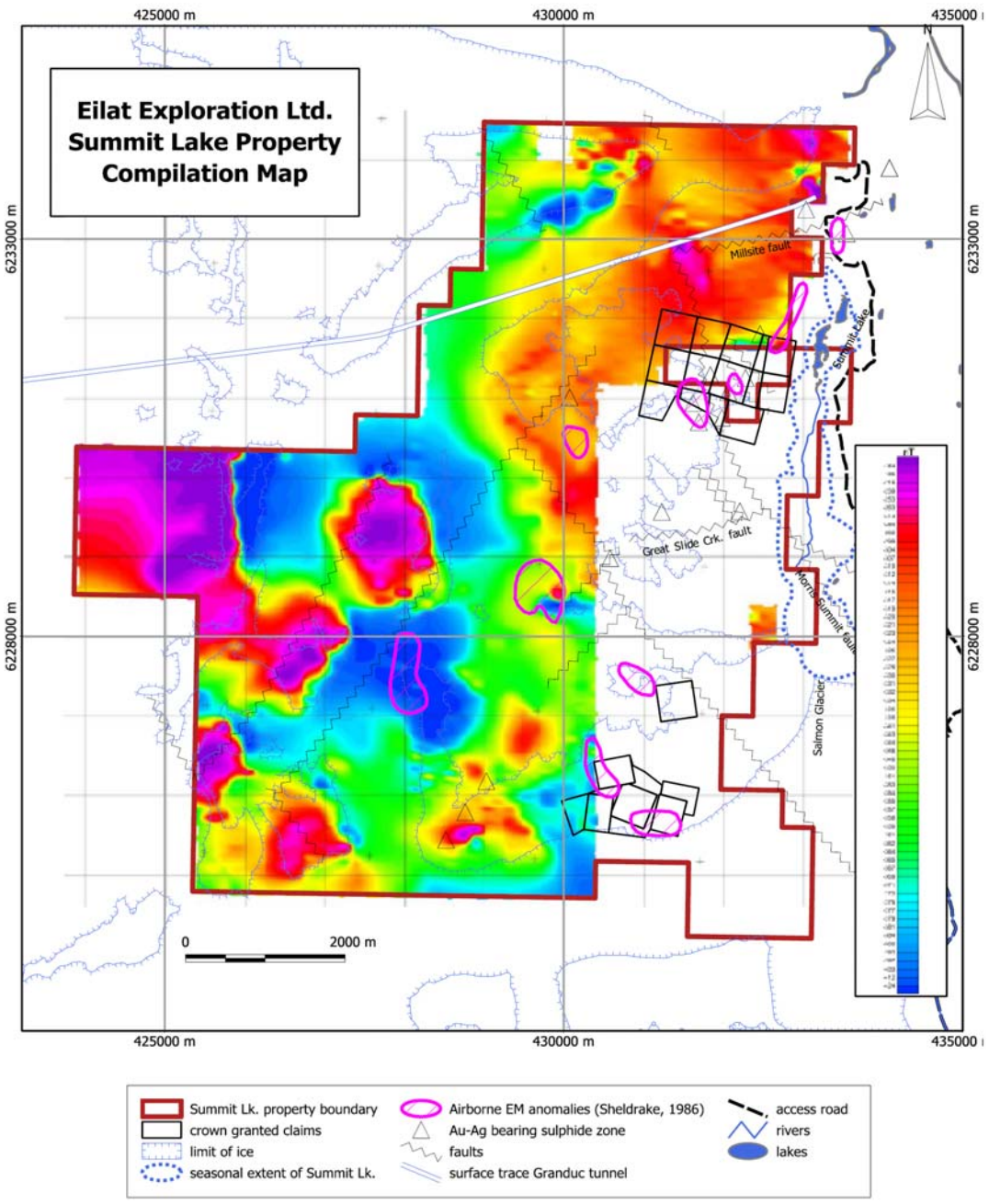

Figure 15. Compilation map plotted on Residual Magnetic Intensity base (nT = nano teslas)

There are several polymetallic and low sulphide quartz-sulphide fissure veins on the Summit Lake claim group. Rock chip and soil geochemical values indicate there is a widespread distribution of mineralization. Since the property is a greenfields prospect (no drill holes), it would be advantageous to map the quartz-carbonate-sulphide veins and expose surface mineralization prior to core drilling. One of the main considerations for developing this prospect is to outline lateral continuity of quartz-sulphide fissure vein structures in order to define tonnage potential. The general area on the west side of Summit Lake has numerous

quartz-sulphide vein occurrences, but only a small portion of them have considerable volume of higher grade gold (e.g. in the 15-50 g/t Au range). At Scottie Gold the best ore zones are developed along brittle-ductile fault zones that generate tension/gash veins (also called sigmoidal veins), thus when exploring for similar style veins on the Summit 5, care must be taken to evaluate repetition, margins of shear envelopes that show horsetail splays or en echelon stacking. Riedel extension fractures (conjugate shear fractures) generally occur within a shear zone and/or fault structure and appear in many parts of the claim group.

The Summit Lake claim group has potential to host an economic precious and base metal deposit. The Stewart area has a well established infrastructure for mining and milling of ore. It is presently idle, but the 2,000 ton per day mill located at Silbak-Premier is approximately 12 kilometers southeast of the Summit Lake tenures. Scottie Gold has an underground mill site.

Recent melting or ablation of glacial ice has opened up considerable more areas for geological mapping and geochemical sampling, enhancing the possibility of new discoveries of base and precious metal bearing mineralization. Based on demand and rising world market values for base and precious metals, a program focused on discovering economic quantities of metallic mineralization on the subject claims is valid.

The brittle asbestiform minerals tremolite and actinolite found in rock sample 59A do not pose increased health hazard potential from exposure to airborne particles. Certain flexible asbestiform minerals such as chrysotile and riebeckite can pose health hazards if exposed to airborne particles, but these are not present on the subject property.

19 Recommendations

Intrusion-related gold-pyrrhotite veins occur in a restricted environment around the perimeter of coeval high-level plutons in volcanic arc environments (Alldrick, 1993). Gold-pyrrhotite veins that occur at Scottie Gold are likely to occur in other areas of similar geological setting, such as the area of the Summit Lake claim group (based on the geology and close proximity to Scottie Gold). Geological, geochemical and geophysical fieldwork focused on outlining the presence of base and precious metal bearing massive pyrrhotite veins (and/or other gold and silver bearing polymetallic fissure vein occurrences), on the Summit Lake mineral tenures are recommended.

In order to advance exploration on the property, a 2 phase fieldwork program focused on exploring known mineral occurrences and geochemical anomalies. As well as follow up

work on known mineral occurrences, a program of mapping and sampling areas that have recently been exposed by glacial ablation is recommended.

In order to advance exploration on the property, a 2 phase fieldwork program focused on exploring known mineral occurrences, geophysical and geochemical anomalies. As well as follow up work on known mineral occurrences, a program of mapping and sampling areas that have recently been exposed by glacial ablation is recommended. The economic viability of the mineralization situated on the Summit Lake claim group should be evaluated. Based on the potential for discovery of base and precious metal bearing mineralization, a 2 phase program of core drilling, geological mapping, DEEP-EM (Pulse-EM or UTEM) and magnetometer geophysics, and geochemical sampling is recommended.

Based on fieldwork carried out on Summit Lake mineral tenures, combined with previous work by various government and private sector geologists consisting of geological, geochemical and geophysical surveys, the writer has outlined potential mineral zones which require additional follow-up fieldwork to determine their economic potential.

The writer recommends phase 1 program of geological mapping, geochemical sampling and EM and magnetometer geophysics on targets identified on the Summit Lake property to date

Target areas should be examined by qualified geologists performing geological mapping and geotechnical personnel to carry out geochemical sampling and geophysical surveys. Contingent on the results of phase 1 mapping & sampling, a second phase of exploration involving 2,000 m of core drilling, geochemical sampling, and geological mapping is recommended. The estimated budget for phase 2 is $400,000. The proposed budget total for phase 1 and 2 is C$475,000.

Preliminary results for the 9 ARD samples collected from the Scottie Au mine tailings that are now exposed on surface west of the present extent of Summit Lake indicate these tailings are acid generating and contain metals that could pose a serious environmental threat. It is important that any future exploration work not disturb these tailings. Because of the toxicity of these tailings and the fact they are now exposed on surface and are oxidizing it may be necessary to develop some type of drainage control to ensure contaminants do not enter the Salmon River drainage system. Such contaminants could pose a danger to important downstream fish stocks.

19.1 Proposed Phase 1 exploration program

Detailed geological mapping and geochemical soil and rock chip sampling is recommended. Magnetometer geophysics covering about 6 km of grid lines is also recommended. The approximate budget for this work would be C$75,000.

Table 13. Proposed budget for phase 1 exploration program

Item	Description	Amount (Cdn$)
Personnel:		
Geologist	25 days X $300/day	7,500
Field Assistant	25 days X $250/day	6,250
Camp costs	25 days X $100/day	2,500
Satellite phone	1 month X $1,000/month	1,000
Equipment (generators, saws, etc.)		500
Expenses		
Food	175 man-days X $20/man/day	3,500
Fuel		1,750
Travel		2,000
Transportation	Helicopter charters	14,500
Survey costs	7 km grid lines	25,000
Analytical soil and rock samples	500 samples X $25/sample	6,200
Communication		
Telephone and Fax		800
Report and drafting		2,500
Filing Fees		1,000
Total		**75,000**

TOTAL PHASE 1 = $ 75,000

19.2 Proposed Phase 2 exploration program

Contingent on the results of phase 1, diamond drilling is recommended. The total diamond drilling in phase 2 would amount to 2,000 meters (6,096 feet). Additional geological mapping and sampling is also recommended. The proposed budget for phase 2 is approximately C$400,000.

The proposed recommendations are warranted as envisaged. Contingent on the results of phase 1, a second phase of fieldwork including 2,000 meters of core drilling is recommended and outlined as follows:

Table 14. Proposed budget for phase 2 exploration program

Item	Description	Amount (Cdn$)
Personnel:		
Geologist	50 days X $300/day	15,000
Field Assistant	50 days X $250/day	12,500
Cook	50 days X $175/day	8,750
Camp costs	50 days X $100/day	5,000
Satellite phone	2 months X $1,000/month	2,000
Equipment (generators, saws)		1,550
Drilling	2,000 meters (6,562 ft)	270,000
Expenses		
Food	350 man-days X $20/man/day	7,000
Fuel		4,200
Travel		4,000
Transportation		49,000
Analytical		
Core and rock samples	500 samples X $25/sample	12,500
Communication		
Telephone and Fax		1,600
Report and drafting		4,000
Filing Fees		2,900
Total		**$ 400,000**

TOTAL PHASE 1 & 2 = $ 475,000

20 References

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Sheldrake, Ronald F., 1988, Geophysical Report on the Tide Lake Claim Group, for Austral Pacific Gold Corp., Ministry of Energy and Mines Assessment Report 17,894.

21 Statement of Qualifications

CERTIFICATE AND DATE

I, Andris Kikauka, of 4199 Highway 101., Powell R, B.C. V8A 0C7 am a self employed professional geoscientist. I hereby certify that:

1. I am a graduate of Brock University, St. Catharines, Ont., with an Honours Bachelor of Science Degree in Geological Sciences, 1980.
2. I am a Fellow in good standing with the Geological Association of Canada.
3. I am registered in the Province of British Columbia as a Professional Geoscientist.
4. I have practiced my profession for thirty years in precious and base metal exploration in the Cordillera of Western Canada, U.S.A., Mexico, Central America, and South America, as well as for three years in uranium exploration in the Canadian Shield.
5. The information, opinions, and recommendations in this report are based on fieldwork carried out on the subject property. The writer has made property visits from 1996-2012. This report is also based on historic reports by various authors that are referenced, and current fieldwork carried out by Eilat Exploration Ltd in 2015. The writer was not on the property in 2015 when Eilat Explorations carried out geochemical sampling.
6. I am employed as an independent consultant.
7. I am not aware of any material fact or material change with respect to the subject matter of this Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading. The recommendations are intended as a guide and are not to be used to procure public financing.

Andris Kikauka, P. Geo.,

January 12, 2016

Feb 15, 2015

22 Statement of Expenditures

Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	**Field Days**	**Days**	**Rate**	**Subtotal***	
Rod Salinger, geotechnician	Sept. 17 - 25, 2015	7	$330.00	$2,310.00	
Steve Cooper, geotechnician	Sept. 17 - 25, 2015	7	$330.00	$2,310.00	
				$4,620.00	**$4,620.00**
Office Studies	**Personnel**				
Report preparation	Andris Kikauka	2.0	$650.00	$1,300.00	
GIS mapping, database comp.	Don MacIntyre	2.6	$650.00	$1,710.00	
				$3,010.00	**$3,010.00**
Geochemical Surveying	**Number of Samples**	**No.**	**Rate**	**Subtotal**	
Soil, rock, mine waste	*30 rock, 25 soil, 9 mine waste*		$0.00	$15,044.70	
				$15,044.70	**$15,044.70**
Transportation		**No.**	**Rate**	**Subtotal**	
Travel		0.5	$320.00	$160.00	
kilometers	Vanc. to Stewart	1479.20	$0.55	$813.56	
kilometers	camp to Stewart return (2)	180.00	$0.55	$99.00	
kilometers	Stewart to Vanc.	1479.20	$0.55	$813.56	
				$1,726.12	**$1,726.12**
Accommodation & Food	**Rates per day**				
Camp	$45 per person day	14.00	$45.00	$630.00	
				$630.00	**$630.00**
Miscellaneous					
Office overhead, telephone etc.				$2,686.22	
				$2,686.22	**$2,686.22**
Equipment Rentals					
GPS	Sept. 15-25, 2015	9.00	20.5	184.5	
Cobra hammer	Sept. 15-25, 2015	9.00	44.8	403.2	
Tent rental 12 X 16 ft	Sept. 15-25, 2015	9.00	49.15	442.35	
Shower tent with hot water	Sept. 15-25, 2015	9.00	19.62	176.58	
Sat Phone	Sept. 15-25, 2015	9.00	14.88	133.92	
Camp stove heater	Sept. 15-25, 2015	9.00	19.65	176.85	
Honda gen set	Sept. 15-25, 2015	9.00	$34.89	314.01	
				$1,831.41	**$1,831.41**
TOTAL Expenditures					**$29,548.45**

Summary of Technical and Physical work filed and corresponding MTO event numbers.

Date	MTO Event	$ filed	PAC used	Total
17-Sep-15	5570766	$2,123.55	$0.00	$2,123.55
17-Sep-15	5570770	$34.45	$0.00	$34.45
21-Sep-15	5571365	$5,301.63	$0.00	$5,301.63
21-Sep-15	5571367	$86.02	$0.00	$86.02
07-Oct-15	5573772	$7,119.34	$0.00	$7,119.34
07-Oct-15	5573775	$164.67	$0.00	$164.67
23-Dec-15	5583246	$12,076.20	$3,641.90	15,718.10
	TOTALS	$26,905.86	$3,641.90	$30,547.76

Appendix A – Analytical 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: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 10-NOV-2015
This copy reported on
30-NOV-2015
Account: EILEXP

CERTIFICATE VA15166146

Project: Summit Lake

This report is for 2 Other samples submitted to our lab in Vancouver, BC, Canada on 16-OCT-2015.

The following have access to data associated with this certificate:

ROD SALINGER		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-GRA21	Au Ag 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **EILAT EXPLORATION LTD.**
ATTN: ROD SALINGER
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

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

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: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 10-NOV-2015
Account: EILEXP

Project: Summit Lake

CERTIFICATE OF ANALYSIS VA15166146

Sample Description	Method	WEI-21	ME-GRA21	ME-GRA21	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	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	5	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
2015-013		1.82	3.77	41	50.3	1.19	1290	<10	20	<0.5	68	0.51	31.2	282	2	1250
2015-013B		1.50	2.16	54	48.7	2.12	717	<10	20	<0.5	41	1.29	22.5	163	6	3750

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

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5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 10-NOV-2015
Account: EILEXP

Project: Summit Lake

CERTIFICATE OF ANALYSIS VA15166146

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	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
2015-013		43.8	10	<1	0.04	<10	0.48	1490	2	<0.01	23	160	2100	>10.0	6	3
2015-013B		34.6	10	<1	0.05	<10	0.95	3190	4	<0.01	19	480	1780	>10.0	9	4

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

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VANCOUVER BC V5Z 3M7

Finalized Date: 10-NOV-2015
Account: EILEXP

Project: Summit Lake

CERTIFICATE OF ANALYSIS VA15166146

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	1	20	0.01	10	10	1	10	2
2015-013		8	<20	0.01	<10	<10	25	<10	2270
2015-013B		27	<20	0.02	10	<10	47	<10	1635

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

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To: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 10-NOV-2015
Account: EILEXP

Project: Summit Lake

CERTIFICATE OF ANALYSIS VA15166146

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:			
CRU-31	LOG-22	ME-GRA21	ME-ICP41
PUL-31	SPL-21	WEI-21	

ALS Canada Ltd.

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To: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 7-NOV-2015
This copy reported on
30-NOV-2015
Account: EILEXP

CERTIFICATE VA15165510

Project: Summit Lake

This report is for 25 Soil samples submitted to our lab in Vancouver, BC, Canada on 16-OCT-2015.

The following have access to data associated with this certificate:

ROD SALINGER		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

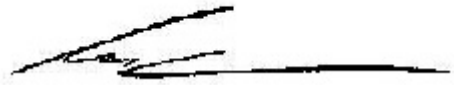
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41L	Super Trace AR by ICP-MS	

To: **EILAT EXPLORATION LTD.**
ATTN: ROD SALINGER
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 7-NOV-2015
Account: EILEXP

Project: Summit Lake

CERTIFICATE OF ANALYSIS VA15165510

Sample Description	Method	WEI-21	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.2	0.001	0.01	0.01	10	0.5	0.01	0.001	0.01	0.001	0.003	0.001	0.01	0.005
2015-031		1.00	37.4	1.215	2.25	126.5	<10	81.4	0.49	1.015	0.68	2.22	18.35	24.0	34.7	1.755
2015-032		4.38	1415	7.28	1.89	1285	<10	21.6	0.26	11.10	1.93	31.6	5.50	149.0	18.30	1.755
2015-033		2.40	620	2.36	1.87	296	<10	44.6	0.33	2.71	0.61	2.51	12.90	25.4	20.4	1.700
2015-034		1.14	36.7	1.180	1.94	123.0	<10	70.2	0.41	0.921	0.67	2.34	16.70	22.2	29.0	1.340
2015-035		1.08	18.3	1.290	2.27	131.5	<10	95.0	0.45	0.949	0.69	2.43	18.70	26.0	36.1	1.625
2015-036		1.20	59.0	1.255	1.99	152.0	<10	50.0	0.38	1.220	0.57	1.115	14.70	20.3	29.8	1.520
2015-037		1.50	46.8	1.350	2.22	149.0	<10	83.5	0.51	1.220	0.70	3.10	19.50	28.3	35.3	1.740
2015-038		1.12	22.2	1.015	2.16	104.0	<10	74.2	0.48	0.755	0.66	2.48	16.10	22.9	33.3	1.480
2015-039		0.96	26.5	1.170	2.14	127.5	<10	81.2	0.53	0.917	0.74	2.62	19.45	25.3	33.8	1.560
2015-040		0.56	63.7	1.615	2.45	173.0	<10	90.3	0.60	1.485	0.53	2.46	19.50	34.8	40.3	2.07
2015-041		1.08	23.5	1.040	2.12	106.5	<10	70.9	0.46	0.818	0.72	2.14	17.70	23.5	35.3	1.525
2015-042		0.60	21.2	0.911	2.15	107.5	<10	78.2	0.48	0.767	0.73	2.04	16.70	21.9	34.3	1.570
2015-043		1.26	19.4	1.035	2.38	121.0	<10	97.9	0.57	0.870	0.74	2.32	19.65	24.8	39.6	1.770
2015-044		1.20	15.0	1.140	2.51	127.5	<10	107.0	0.63	0.965	0.70	2.68	21.2	26.8	43.4	2.01
2015-045		0.88	18.3	1.235	2.62	132.5	<10	124.0	0.67	0.988	0.69	2.55	20.5	28.7	45.5	2.21
2015-046		1.36	16.6	1.100	2.17	121.0	<10	87.5	0.50	0.864	0.69	2.33	18.55	24.9	35.8	1.660
2015-047		1.22	17.2	1.540	2.28	139.0	<10	95.8	0.55	0.940	0.68	2.65	21.6	31.8	44.7	2.13
2015-048		1.20	35.5	1.450	2.24	138.0	<10	97.7	0.53	1.095	0.70	2.76	22.3	30.2	43.3	1.965
2015-049		2.08	209	1.430	2.32	124.0	<10	93.0	0.60	1.045	0.61	2.30	21.4	31.3	44.4	2.17
2015-050		1.04	32.5	1.030	2.05	112.5	<10	81.1	0.52	0.942	0.67	2.08	19.35	25.4	38.4	1.755
2015-051		1.90	30.5	1.255	2.13	121.0	<10	92.4	0.49	0.974	0.69	2.54	19.70	28.0	39.7	1.900
2015-052		0.90	24.2	1.190	2.10	117.5	<10	93.1	0.51	0.900	0.71	2.11	20.0	25.6	40.0	1.940
2015-053		1.10	48.5	1.205	2.31	113.0	<10	106.5	0.57	0.963	0.66	2.47	22.2	27.8	45.4	2.18
2015-054		1.22	31.5	1.270	2.20	124.0	<10	101.0	0.58	0.929	0.70	2.43	22.6	27.8	42.2	2.03
2015-055		2.02	15.7	1.210	2.56	118.5	<10	117.0	0.58	0.991	0.70	2.65	22.1	29.4	48.4	2.37

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

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Project: Summit Lake

CERTIFICATE OF ANALYSIS VA15165510

Sample Description	Method	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.01	0.001	0.004	0.005	0.002	0.004	0.005	0.01	0.002	0.1	0.01	0.1	0.01	0.001	0.002
2015-031		146.0	5.10	7.60	0.108	0.030	0.057	0.048	0.06	9.09	27.7	1.43	1200	4.81	0.014	0.516
2015-032		910	15.35	6.18	0.261	0.075	0.238	0.457	0.03	3.01	31.2	1.28	1200	23.1	0.007	0.171
2015-033		237	5.78	6.37	0.141	0.035	0.063	0.082	0.04	6.98	24.9	1.19	868	12.50	0.010	0.637
2015-034		143.0	4.54	6.76	0.108	0.045	0.066	0.040	0.05	8.24	24.2	1.23	1250	4.49	0.012	0.487
2015-035		160.5	5.17	6.81	0.089	0.038	0.079	0.049	0.07	9.30	25.4	1.42	1440	4.77	0.014	0.447
2015-036		122.0	4.90	7.03	0.105	0.039	0.061	0.048	0.05	7.41	25.4	1.30	958	5.75	0.012	0.472
2015-037		172.0	5.29	7.74	0.106	0.042	0.086	0.055	0.06	9.41	28.4	1.39	1560	5.84	0.013	0.571
2015-038		134.5	4.85	7.64	0.111	0.041	0.073	0.040	0.05	7.68	26.9	1.41	1410	3.70	0.012	0.492
2015-039		143.5	4.96	7.57	0.108	0.044	0.077	0.047	0.06	9.42	26.5	1.36	1460	4.51	0.014	0.535
2015-040		205	5.75	8.68	0.105	0.034	0.105	0.055	0.07	9.22	33.7	1.52	1560	7.50	0.013	0.631
2015-041		130.5	4.76	7.61	0.110	0.040	0.075	0.038	0.05	8.73	26.3	1.40	1170	3.59	0.012	0.593
2015-042		138.5	4.76	7.20	0.100	0.049	0.066	0.037	0.06	8.34	25.8	1.40	1150	3.42	0.013	0.618
2015-043		146.0	5.24	8.17	0.114	0.045	0.073	0.045	0.07	9.62	30.0	1.51	1340	3.89	0.014	0.484
2015-044		148.0	5.49	9.23	0.111	0.051	0.082	0.052	0.08	10.20	34.9	1.55	1480	4.53	0.014	0.574
2015-045		152.0	5.61	8.97	0.102	0.048	0.091	0.049	0.08	10.05	33.2	1.63	1450	4.36	0.016	0.510
2015-046		156.5	5.00	7.46	0.107	0.038	0.080	0.051	0.06	9.13	26.6	1.38	1390	3.83	0.013	0.659
2015-047		165.0	5.67	7.57	0.101	0.035	0.087	0.051	0.08	10.15	27.8	1.49	1460	5.60	0.015	0.627
2015-048		162.5	5.30	7.65	0.101	0.058	0.079	0.055	0.08	10.55	28.6	1.44	1430	5.18	0.015	0.476
2015-049		176.5	6.00	7.97	0.109	0.044	0.071	0.058	0.08	9.94	31.1	1.46	1420	5.69	0.016	0.507
2015-050		144.5	4.81	7.00	0.109	0.046	0.068	0.052	0.06	9.56	25.3	1.33	1205	4.35	0.012	0.635
2015-051		149.0	4.98	7.31	0.111	0.042	0.067	0.051	0.07	9.48	26.3	1.38	1440	4.27	0.014	0.491
2015-052		144.0	4.92	6.83	0.105	0.057	0.059	0.045	0.07	10.00	24.7	1.37	1205	3.68	0.014	0.484
2015-053		145.0	5.22	8.20	0.098	0.042	0.068	0.055	0.08	10.55	31.4	1.49	1360	4.02	0.015	0.414
2015-054		145.5	5.17	7.66	0.094	0.048	0.065	0.055	0.08	10.50	28.2	1.43	1325	4.27	0.014	0.402
2015-055		153.0	5.66	8.66	0.103	0.031	0.068	0.058	0.09	10.15	33.8	1.63	1685	4.76	0.016	0.460

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

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To: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Project: Summit Lake

CERTIFICATE OF ANALYSIS VA15165510

Sample Description	Method	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
	Analyte	Ni	P	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.04	0.001	0.005	0.001	0.002	0.005	0.001	0.01	0.005	0.005	0.1	0.01	0.01	0.005	0.01
2015-031		30.4	0.158	85.7	0.007	0.002	4.02	0.001	0.04	3.74	7.67	2.2	0.62	29.9	<0.005	0.26
2015-032		25.4	0.105	467	0.006	<0.002	1.880	0.002	9.87	29.5	6.75	19.8	1.51	23.7	<0.005	0.98
2015-033		11.05	0.130	149.0	0.006	<0.002	2.80	0.001	0.37	7.57	6.21	4.6	1.14	19.75	<0.005	0.37
2015-034		27.0	0.153	79.2	0.006	0.002	3.19	0.001	0.04	3.66	6.74	2.2	1.77	27.1	<0.005	0.27
2015-035		36.6	0.156	91.0	0.007	0.002	4.04	0.003	0.04	3.90	6.84	2.2	0.49	33.0	<0.005	0.31
2015-036		22.0	0.150	83.0	0.007	<0.002	3.14	0.002	0.04	4.51	6.87	2.4	0.58	23.1	<0.005	0.26
2015-037		35.0	0.161	116.5	0.007	<0.002	3.81	0.002	0.03	4.43	8.20	2.5	0.53	31.2	<0.005	0.30
2015-038		30.7	0.150	70.1	0.004	0.002	3.38	0.002	0.04	3.21	7.67	2.0	0.44	27.3	<0.005	0.21
2015-039		32.6	0.165	82.5	0.004	0.002	3.76	0.003	0.03	3.61	7.79	2.4	0.46	33.1	<0.005	0.29
2015-040		38.5	0.135	164.5	0.008	<0.002	4.69	0.003	0.02	4.82	9.05	2.8	0.57	26.8	<0.005	0.31
2015-041		31.4	0.160	69.9	0.006	0.002	3.69	0.002	0.04	3.39	7.56	2.1	0.47	32.6	<0.005	0.21
2015-042		30.8	0.156	65.9	0.005	0.002	3.73	0.001	0.04	3.32	7.23	2.0	0.50	31.5	<0.005	0.20
2015-043		38.7	0.163	85.9	0.006	0.002	4.47	0.003	0.04	3.58	8.24	2.1	0.54	36.3	<0.005	0.23
2015-044		44.2	0.161	91.5	0.008	0.002	4.80	0.004	0.02	3.82	9.46	2.2	0.53	35.6	<0.005	0.29
2015-045		45.4	0.150	92.7	0.005	0.002	5.16	0.003	0.03	3.74	9.37	2.3	0.53	35.1	<0.005	0.32
2015-046		35.3	0.158	83.8	0.006	0.003	3.90	0.002	0.04	3.77	7.83	2.3	0.42	31.4	<0.005	0.27
2015-047		36.8	0.158	102.0	0.008	0.003	4.67	0.004	0.04	4.61	9.89	2.7	0.49	34.4	<0.005	0.28
2015-048		38.1	0.148	104.5	0.005	0.002	4.64	0.003	0.04	4.24	9.41	2.4	0.56	37.3	<0.005	0.27
2015-049		38.8	0.142	93.6	0.007	0.002	4.85	0.004	0.04	3.92	9.83	3.0	0.51	32.8	<0.005	0.25
2015-050		32.1	0.152	81.3	0.004	0.002	3.97	0.002	0.04	3.87	8.32	2.3	0.48	31.6	<0.005	0.22
2015-051		33.8	0.143	83.0	0.007	0.002	4.31	0.002	0.04	3.71	8.86	2.2	0.48	34.3	<0.005	0.24
2015-052		34.1	0.150	79.1	0.005	0.002	4.44	0.003	0.05	3.82	8.14	2.2	0.54	35.9	<0.005	0.21
2015-053		40.3	0.147	85.8	0.005	0.002	4.96	0.002	0.03	3.83	10.05	2.2	0.50	35.4	<0.005	0.23
2015-054		37.6	0.155	88.8	0.006	0.003	4.55	0.003	0.04	3.86	9.13	1.9	0.50	37.3	<0.005	0.27
2015-055		42.7	0.146	89.5	0.007	0.002	5.53	0.003	0.03	3.66	10.40	2.0	0.52	37.5	<0.005	0.24

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

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To: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 7-NOV-2015
Account: EILEXP

Project: Summit Lake

CERTIFICATE OF ANALYSIS VA15165510

Sample Description	Method	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	Au-ICP21
	Analyte	Th	Ti	Tl	U	V	W	Y	Zn	Zr	Au
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.002	0.001	0.002	0.005	0.1	0.001	0.003	0.1	0.01	0.001
2015-031		1.815	0.107	0.129	0.728	104.0	1.455	9.44	187.5	1.17	
2015-032		0.737	0.060	0.754	0.319	99.2	1.740	4.15	2170	1.87	1.475
2015-033		1.880	0.089	0.114	0.970	93.0	1.365	6.31	235	1.42	
2015-034		1.570	0.094	0.109	0.722	93.8	0.924	8.65	168.0	1.81	
2015-035		1.720	0.106	0.137	0.737	104.0	0.944	9.92	200	1.79	
2015-036		1.695	0.097	0.106	0.633	99.0	1.145	7.61	139.5	1.77	
2015-037		1.715	0.107	0.146	0.770	105.0	0.969	10.30	214	1.93	
2015-038		1.430	0.098	0.145	0.612	99.4	0.818	8.73	167.5	1.54	
2015-039		1.635	0.107	0.139	0.739	103.5	1.465	10.00	177.0	1.91	
2015-040		1.685	0.102	0.151	0.773	113.0	0.883	10.45	204	1.62	
2015-041		1.530	0.102	0.117	0.651	105.0	0.912	9.57	164.5	1.80	
2015-042		1.430	0.105	0.107	0.601	102.0	0.874	9.11	165.0	1.74	
2015-043		1.820	0.110	0.142	0.719	108.5	0.909	10.40	197.0	1.84	
2015-044		1.940	0.106	0.164	0.773	111.0	1.185	10.90	212	1.83	
2015-045		1.975	0.111	0.161	0.784	114.0	1.100	11.00	224	1.80	
2015-046		1.645	0.100	0.151	0.695	101.0	0.778	9.77	176.5	1.53	
2015-047		1.735	0.113	0.208	0.765	118.0	1.180	11.40	214	1.46	
2015-048		1.935	0.109	0.158	0.957	117.0	0.975	11.15	210	2.04	
2015-049		2.04	0.105	0.162	0.854	114.5	0.952	10.70	193.0	1.80	
2015-050		1.790	0.095	0.149	0.806	109.0	1.235	9.89	172.0	1.54	
2015-051		1.790	0.104	0.172	0.954	110.5	1.175	10.35	184.5	1.86	
2015-052		1.980	0.104	0.146	0.815	110.5	1.065	10.55	185.0	2.00	
2015-053		2.04	0.105	0.162	0.805	115.0	0.896	10.80	201	1.77	
2015-054		2.01	0.104	0.151	0.891	113.5	1.110	11.15	196.0	1.89	
2015-055		1.965	0.109	0.172	0.857	122.0	0.915	11.00	220	1.41	

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

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To: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 7-NOV-2015
Account: EILEXP

Project: Summit Lake

CERTIFICATE OF ANALYSIS VA15165510

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41L

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-ICP21	LOG-22	ME-MS41L	SCR-41
WEI-21			

ALS Canada Ltd.

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To: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 21-OCT-2015
This copy reported on
3-DEC-2015
Account: EILEXP

CERTIFICATE VA15156204

This report is for 4 Rock samples submitted to our lab in Vancouver, BC, Canada on 9-OCT-2015.

The following have access to data associated with this certificate:

ANDRIS KIKAUKA	ROD SALINGER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

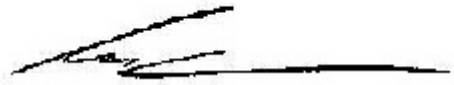
ALS CODE	DESCRIPTION	INSTRUMENT
ME-GRA21	Au Ag 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: **EILAT EXPLORATION LTD.**
ATTN: ANDRIS KIKAUKA
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

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: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 21-OCT-2015
Account: EILEXP

CERTIFICATE OF ANALYSIS VA15156204

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-GRA21 Au ppm 0.05	ME-GRA21 Ag ppm 5	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
56		0.24	<0.05	<5	0.3	2.34	9	<10	140	<0.5	3	1.80	<0.5	19	15	97
57		0.38	0.09	9	7.1	1.61	298	<10	30	<0.5	3	0.16	<0.5	66	64	484
59		0.34														
63		0.30	1.07	36	35.7	1.15	3000	<10	30	<0.5	11	0.06	6.7	23	7	210

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Finalized Date: 21-OCT-2015
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CERTIFICATE OF ANALYSIS VA15156204

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	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
56		5.35	10	<1	0.30	10	1.76	871	1	0.02	21	1580	7	1.44	2	7
57		11.95	10	<1	0.10	10	1.22	821	44	0.01	45	650	17	>10.0	13	10
59																
63		13.00	10	<1	0.10	<10	0.56	572	3	<0.01	1	300	457	6.50	72	3

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

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Finalized Date: 21-OCT-2015
Account: EILEXP

CERTIFICATE OF ANALYSIS VA15156204

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	1	20	0.01	10	10	1	10	2
56		56	<20	0.24	<10	<10	94	<10	90
57		6	<20	0.04	<10	<10	99	<10	40
59									
63		8	<20	0.03	<10	<10	36	<10	566

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

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-OCT-2015
Account: EILEXP

CERTIFICATE OF ANALYSIS VA15156204

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

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

Applies to Method:			
CRU-31	LOG-22	ME-GRA21	ME-ICP41
PUL-31	SPL-21	WEI-21	

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To: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 4-NOV-2015
Account: EILEXP

Project: Summit Lake

QC CERTIFICATE OF ANALYSIS VA15165505

Sample Description	Method Analyte Units LOR	ME-GRA21 Au ppm 0.05	ME-GRA21 Ag ppm 5	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05	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
STANDARDS																
BP-13				0.356												
BP-13				0.359												
Target Range - Lower Bound				0.336												
Upper Bound				0.380												
CDN-GS-2Q		2.40	73													
Target Range - Lower Bound		2.18	62													
Upper Bound		2.56	84													
G306-6		49.1	66													
Target Range - Lower Bound		45.6	52													
Upper Bound		51.5	73													
G307-7					8.02											
Target Range - Lower Bound					7.35											
Upper Bound					8.39											
GBM908-10						3.1	0.96	57	<10	110	<0.5	2	0.71	1.6	14	23
GBM908-10						3.0	0.97	58	<10	110	<0.5	4	0.70	1.7	14	23
Target Range - Lower Bound						2.5	0.85	48	<10	70	<0.5	<2	0.62	0.6	12	20
Upper Bound						3.6	1.06	63	30	130	1.0	5	0.78	2.8	17	26
GLG307-4				0.048												
GLG307-4				0.049												
Target Range - Lower Bound				0.048												
Upper Bound				0.056												
MRGeo08						4.7	2.63	33	<10	450	0.7	3	1.11	2.3	19	94
MRGeo08						4.8	2.79	35	<10	470	0.8	<2	1.12	2.6	19	97
Target Range - Lower Bound						3.8	2.44	27	<10	370	<0.5	<2	1.00	1.1	17	81
Upper Bound						5.1	3.00	38	30	530	1.8	5	1.24	3.4	22	102
OGGeo08																
Target Range - Lower Bound																
Upper Bound																
OREAS 165																
Target Range - Lower Bound																
Upper Bound																
OREAS 602		1.96	110													
Target Range - Lower Bound		1.78	103													
Upper Bound		2.12	127													

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Finalized Date: 4-NOV-2015
Account: EILEXP

Project: Summit Lake

QC CERTIFICATE OF ANALYSIS VA15165505

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	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOR	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
STANDARDS																
BP-13																
BP-13																
Target Range - Lower Bound																
Upper Bound																
CDN-GS-2Q																
Target Range - Lower Bound																
Upper Bound																
G306-6																
Target Range - Lower Bound																
Upper Bound																
G307-7																
Target Range - Lower Bound																
Upper Bound																
GBM908-10		3570	2.69	<10	<1	0.43	40	0.54	293	59	0.12	2250	860	2100	0.40	<2
GBM908-10		3700	2.74	<10	1	0.44	50	0.55	310	59	0.13	2290	880	2160	0.38	<2
Target Range - Lower Bound		3370	2.35	<10	<1	0.37	20	0.47	259	57	0.09	2030	760	1860	0.33	<2
Upper Bound		3890	2.89	20	2	0.48	60	0.59	327	72	0.15	2480	960	2280	0.43	5
GLG307-4																
GLG307-4																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		648	3.73	10	<1	1.30	30	1.20	427	14	0.33	722	1030	1105	0.32	4
MRGeo08		665	3.89	10	<1	1.34	40	1.23	448	14	0.34	747	1080	1155	0.33	4
Target Range - Lower Bound		586	3.22	<10	<1	1.12	20	1.03	378	12	0.30	621	900	957	0.27	<2
Upper Bound		676	3.96	30	2	1.40	60	1.29	473	17	0.39	761	1130	1175	0.36	8
OGGeo08																
Target Range - Lower Bound																
Upper Bound																
OREAS 165																
Target Range - Lower Bound																
Upper Bound																
OREAS 602																
Target Range - Lower Bound																
Upper Bound																

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Finalized Date: 4-NOV-2015
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Project: Summit Lake

QC CERTIFICATE OF ANALYSIS VA15165505

Sample Description	Method Analyte Units LOR	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Zn-OG46 Zn % 0.001	Ag-GRA21 Ag ppm 5
STANDARDS												
BP-13												
BP-13												
Target Range - Lower Bound												
Upper Bound												
CDN-GS-2Q												
Target Range - Lower Bound												
Upper Bound												
G306-6												
Target Range - Lower Bound												
Upper Bound												
G307-7												
Target Range - Lower Bound												
Upper Bound												
GBM908-10		2	37	20	0.32	<10	<10	47	<10	1005		
GBM908-10		2	35	20	0.32	<10	<10	49	<10	1080		
Target Range - Lower Bound		<1	30	<20	0.27	<10	<10	41	<10	939		
Upper Bound		4	39	60	0.35	20	20	53	20	1155		
GLG307-4												
GLG307-4												
Target Range - Lower Bound												
Upper Bound												
MRGeo08		7	83	20	0.40	<10	<10	103	<10	803		
MRGeo08		7	82	20	0.40	<10	<10	107	<10	855		
Target Range - Lower Bound		5	72	<20	0.35	<10	<10	90	<10	708		
Upper Bound		10	91	60	0.44	20	30	112	20	870		
OGGeo08											0.747	
Target Range - Lower Bound											0.696	
Upper Bound											0.748	
OREAS 165											0.007	
Target Range - Lower Bound											0.002	
Upper Bound											0.006	
OREAS 602												
Target Range - Lower Bound												
Upper Bound												

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QC CERTIFICATE OF ANALYSIS VA15165505

Sample Description	Method Analyte Units LOR	ME-GRA21 Au ppm 0.05	ME-GRA21 Ag ppm 5	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05	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
STANDARDS																
OREAS 604																
Target Range - Lower Bound																
Upper Bound																
OREAS 621																
Target Range - Lower Bound																
Upper Bound																
OREAS-133b																
Target Range - Lower Bound																
Upper Bound																
OREAS-68a		3.93	40													
Target Range - Lower Bound		3.61	32													
Upper Bound		4.17	53													
OxJ111				2.12												
OxJ111				2.13												
Target Range - Lower Bound				2.04												
Upper Bound				2.30												
OxQ75		50.3	147													
Target Range - Lower Bound		47.0	140													
Upper Bound		53.1	168													
PK2				4.79												
PK2				4.87												
Target Range - Lower Bound				4.50												
Upper Bound				5.07												
SQ48					30.6											
Target Range - Lower Bound					28.4											
Upper Bound					32.1											
BLANKS																
BLANK					<0.05											
Target Range - Lower Bound					<0.05											
Upper Bound					0.10											

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QC CERTIFICATE OF ANALYSIS VA15165505

Sample Description	Method Analyte Units LOR	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
STANDARDS																
OREAS 604																
Target Range - Lower Bound																
Upper Bound																
OREAS 621																
Target Range - Lower Bound																
Upper Bound																
OREAS-133b																
Target Range - Lower Bound																
Upper Bound																
OREAS-68a																
Target Range - Lower Bound																
Upper Bound																
OxJ111																
OxJ111																
Target Range - Lower Bound																
Upper Bound																
OxQ75																
Target Range - Lower Bound																
Upper Bound																
PK2																
PK2																
Target Range - Lower Bound																
Upper Bound																
SQ48																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS VA15165505

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-OG46	Ag-GRA21
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	Zn	Ag
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	1	1	20	0.01	10	10	1	10	2	0.001	5
STANDARDS												
OREAS 604											0.266	
Target Range - Lower Bound												
Upper Bound												
OREAS 621											5.27	
Target Range - Lower Bound											4.99	
Upper Bound											5.35	
OREAS-133b											11.20	
Target Range - Lower Bound											10.85	
Upper Bound											11.60	
OREAS-68a												
Target Range - Lower Bound												
Upper Bound												
OxJ111												
OxJ111												
Target Range - Lower Bound												
Upper Bound												
OxQ75												
Target Range - Lower Bound												
Upper Bound												
PK2												
PK2												
Target Range - Lower Bound												
Upper Bound												
SQ48												
Target Range - Lower Bound												
Upper Bound												
BLANKS												
BLANK												
Target Range - Lower Bound												
Upper Bound												

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QC CERTIFICATE OF ANALYSIS VA15165505

Sample Description	Method	ME-GRA21	ME-GRA21	Au-ICP21	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Au	Ag	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	5	0.001	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
BLANKS																
BLANK				<0.001												
BLANK				<0.001												
Target Range - Lower Bound				<0.001												
Upper Bound				0.002												
BLANK		<0.05	<5													
BLANK		<0.05	<5													
BLANK		<0.05	<5													
BLANK		<0.05	<5													
BLANK		<0.05	<5													
BLANK		<0.05	<5													
Target Range - Lower Bound		<0.05	<5													
Upper Bound		0.10	10													
BLANK						<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1
BLANK						<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1
Target Range - Lower Bound						<0.2	<0.01	<2	<10	<10	<0.5	<2	<0.01	<0.5	<1	<1
Upper Bound						0.4	0.02	4	20	20	1.0	4	0.02	1.0	2	2
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL				<0.001												
DUP				<0.001												
Target Range - Lower Bound				<0.001												
Upper Bound				0.002												
ORIGINAL		2.59	81													
DUP		2.50	78													
Target Range - Lower Bound		2.37	71													
Upper Bound		2.72	88													
ORIGINAL		0.53	<5													
DUP		0.60	<5													
Target Range - Lower Bound		0.49	<5													
Upper Bound		0.64	10													

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Finalized Date: 4-NOV-2015
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Project: Summit Lake

QC CERTIFICATE OF ANALYSIS VA15165505

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
BLANKS																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2
BLANK		<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2
Target Range - Lower Bound		<1	<0.01	<10	<1	<0.01	<10	<0.01	<5	<1	<0.01	<1	<10	<2	<0.01	<2
Upper Bound		2	0.02	20	2	0.02	20	0.02	10	2	0.02	2	20	4	0.02	4
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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QC CERTIFICATE OF ANALYSIS VA15165505

Sample Description	Method / Analyte / Units / LOR	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2	Zn-OG46 Zn % 0.001	Ag-GRA21 Ag ppm 5
BLANKS												
BLANK												
BLANK												
Target Range - Lower Bound												
Upper Bound												
BLANK												
BLANK												
BLANK												
BLANK												
BLANK												
BLANK												
Target Range - Lower Bound												
Upper Bound												
BLANK		<1	<1	<20	<0.01	<10	<10	<1	<10	<2		
BLANK		<1	<1	<20	<0.01	<10	<10	<1	<10	<2		
Target Range - Lower Bound		<1	<1	<20	<0.01	<10	<10	<1	<10	<2		
Upper Bound		2	2	40	0.02	20	20	2	20	4		
BLANK											<0.001	
Target Range - Lower Bound											<0.001	
Upper Bound											0.002	
DUPLICATES												
ORIGINAL												
DUP												
Target Range - Lower Bound												
Upper Bound												
ORIGINAL												
DUP												78
Target Range - Lower Bound												69
Upper Bound												87
ORIGINAL												
DUP												<5
Target Range - Lower Bound												<5
Upper Bound												10

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QC CERTIFICATE OF ANALYSIS VA15165505

Sample Description	Method Analyte Units LOR	ME-GRA21 Au ppm 0.05	ME-GRA21 Ag ppm 5	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05	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
DUPLICATES																
ORIGINAL					10.55											
DUP					10.50											
Target Range - Lower Bound					9.95											
Upper Bound					11.10											
ORIGINAL		<0.05	<5													
DUP		<0.05	<5													
Target Range - Lower Bound		<0.05	<5													
Upper Bound		0.10	10													
ORIGINAL				0.001												
DUP				0.005												
Target Range - Lower Bound				0.002												
Upper Bound				0.004												
ORIGINAL				1.545												
DUP				1.560												
Target Range - Lower Bound				1.475												
Upper Bound				1.630												
ORIGINAL				3.74												
DUP				3.76												
Target Range - Lower Bound				3.56												
Upper Bound				3.94												
ORIGINAL						25.1	0.26	23	<10	20	<0.5	<2	1.05	248	3	12
DUP						23.9	0.25	20	<10	30	<0.5	<2	1.03	241	2	13
Target Range - Lower Bound						23.1	0.23	18	<10	<10	<0.5	<2	0.98	232	<1	11
Upper Bound						25.9	0.28	25	20	40	1.0	4	1.10	257	4	14
UG-2015-101						1.2	3.10	36	<10	70	<0.5	<2	3.46	1.0	32	77
DUP						1.2	3.11	38	10	70	<0.5	2	3.51	1.2	32	78
Target Range - Lower Bound						0.9	2.94	33	<10	50	<0.5	<2	3.30	<0.5	29	73
Upper Bound						1.5	3.27	41	20	90	1.0	4	3.67	1.7	35	82
UG-2015-103				0.025												
DUP				0.025												
Target Range - Lower Bound				0.023												
Upper Bound				0.027												

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ALS Minerals

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Project: Summit Lake

QC CERTIFICATE OF ANALYSIS VA15165505

Sample Description	Method / Analyte / Units / LOR	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	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
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOR	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		575	4.98	<10	2	0.11	<10	0.10	1240	<1	0.01	1	170	4410	6.06	2
DUP		551	4.75	<10	2	0.11	<10	0.10	1200	<1	<0.01	1	170	4250	5.39	3
Target Range - Lower Bound		542	4.61	<10	<1	0.09	<10	0.09	1155	<1	<0.01	<1	150	4110	5.43	<2
Upper Bound		584	5.12	20	3	0.13	20	0.12	1285	2	0.02	2	190	4550	6.02	4
UG-2015-101		260	8.22	10	<1	0.08	<10	2.51	1035	5	0.03	22	1730	251	1.42	4
DUP		263	8.21	10	<1	0.08	<10	2.52	1055	5	0.03	18	1730	268	1.43	4
Target Range - Lower Bound		251	7.79	<10	<1	0.07	<10	2.38	988	4	0.02	18	1630	245	1.34	<2
Upper Bound		272	8.64	20	2	0.09	20	2.65	1100	6	0.04	22	1830	274	1.51	6
UG-2015-103																
DUP																
Target Range - Lower Bound																
Upper Bound																

***** 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: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 4-NOV-2015
Account: EILEXP

Project: Summit Lake

QC CERTIFICATE OF ANALYSIS VA15165505

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-OG46	Ag-GRA21
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	Zn	Ag
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	1	1	20	0.01	10	10	1	10	2	0.001	5
DUPLICATES												
ORIGINAL												
DUP												
Target Range - Lower Bound												
Upper Bound												
ORIGINAL												
DUP												<5
Target Range - Lower Bound												<5
Upper Bound												10
ORIGINAL												
DUP												
Target Range - Lower Bound												
Upper Bound												
ORIGINAL												
DUP												
Target Range - Lower Bound												
Upper Bound												
ORIGINAL												
DUP												
Target Range - Lower Bound												
Upper Bound												
ORIGINAL		<1	46	<20	<0.01	<10	<10	4	<10	>10000		
DUP		<1	44	<20	<0.01	<10	<10	4	<10	>10000		
Target Range - Lower Bound		<1	42	<20	<0.01	<10	<10	3	<10	9500		
Upper Bound		2	48	40	0.02	20	20	5	20	>10000		
UG-2015-101		20	74	<20	0.17	<10	<10	222	<10	70		
DUP		20	75	<20	0.17	<10	<10	224	<10	69		
Target Range - Lower Bound		18	70	<20	0.15	<10	<10	211	<10	64		
Upper Bound		22	79	40	0.19	20	20	235	20	75		
UG-2015-103												
DUP												
Target Range - Lower Bound												
Upper Bound												

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

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 4-NOV-2015
Account: EILEXP

Project: Summit Lake

QC CERTIFICATE OF ANALYSIS VA15165505

Sample Description	Method	ME-GRA21	ME-GRA21	Au-ICP21	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Au	Ag	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	5	0.001	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
DUPLICATES																
2015-030				0.008												
DUP				0.008												
Target Range - Lower Bound				0.007												
Upper Bound				0.009												

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

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 4-NOV-2015
Account: EILEXP

Project: Summit Lake

QC CERTIFICATE OF ANALYSIS VA15165505

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	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOR	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
DUPLICATES																
2015-030																
DUP																
Target Range - Lower Bound																
Upper Bound																

***** 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: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 4-NOV-2015
Account: EILEXP

Project: Summit Lake

QC CERTIFICATE OF ANALYSIS VA15165505

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Zn-OG46	Ag-GRA21
	Analyte	Sc	Sr	Th	Ti	Tl	U	V	W	Zn	Zn	Ag
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	1	1	20	0.01	10	10	1	10	2	0.001	5
DUPLICATES												
2015-030												
DUP												
Target Range - Lower Bound												
Upper Bound												

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

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To: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 4-NOV-2015
Account: EILEXP

Project: Summit Lake

QC CERTIFICATE OF ANALYSIS VA15165505

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

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

Au-GRA21	Au-ICP21	CRU-31	CRU-QC
LOG-22	ME-GRA21	ME-ICP41	ME-OG46
PUL-31	PUL-QC	SPL-21	WEI-21
Zn-OG46			

BUREAU VERITAS MINERAL LABORATORIES Canada

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

www.bureauveritas.com/um

Client: **Eilat Exploration Ltd.**
5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Submitted By: Rod Salinger
Receiving Lab: Canada-Vancouver
Received: December 11, 2015
Report Date: January 05, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN15003311.1

CLIENT JOB INFORMATION

Project: None_Given
Shipment ID:
P.O. Number
Number of Samples: 1

SAMPLE DISPOSAL

RTRN-PLP Return

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
BAT01	1	Batch charge of <20 samples			VAN
PRP70-250	1	Crush, split and pulverize 250 g rock to 200 mesh			VAN
FA550	1	50g Lead collection fire assay fusion - grav finish	50	Completed	VAN
AQ250	1	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

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

Invoice To: Eilat Exploration Ltd.
5637 Baillie St.
Vancouver BC V5Z 3M7
CANADA

CC: Andris Kikauka

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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

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Client: **Eilat Exploration Ltd.**
5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Project: None_Given
Report Date: January 05, 2016

CERTIFICATE OF ANALYSIS VAN15003311.1

Method		WGHT	FA550	FA550	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
Analyte		Wgt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
Unit		kg	gm/t	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
MDL		0.01	50	0.9	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02
59b	Rock	0.27	<50	2.5	2.44	991.55	2522.01	1333.4	53029	20.3	170.2	2029	38.77	766.5	<0.1	3187.1	<0.1	2.1	24.08	15.40	57.51

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Eilat Exploration Ltd.**
5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Project: None_Given
Report Date: January 05, 2016

CERTIFICATE OF ANALYSIS VAN15003311.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
59b	Rock	41	0.18	0.017	<0.5	4.2	0.56	15.7	0.008	<20	1.16	<0.001	0.03	0.5	3.7	0.05	>10	85	10.7	0.53	2.8

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PHONE (604) 253-3158

Client: **Eilat Exploration Ltd.**
5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Project: None_Given
Report Date: January 05, 2016

QUALITY CONTROL REPORT VAN15003311.1

	Method	WGHT	FA550	FA550	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	Wgt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
	Unit	kg	gm/t	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	50	0.9	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02
Pulp Duplicates																					
REP ROCK-VAN	QC		<50	<0.9																	
Reference Materials																					
STD AGPROOF	Standard		95	<0.9																	
STD DS10	Standard				12.00	141.24	158.23	346.1	1975	65.9	11.5	922	2.69	46.5	2.8	76.1	7.5	64.0	2.65	7.81	12.93
STD OREAS45EA	Standard				1.60	754.03	14.75	31.9	287	432.2	52.1	449	25.51	11.5	2.0	60.1	10.5	4.1	0.07	0.32	0.25
STD SP49	Standard		59	18.2																	
STD SQ70	Standard		154	40.1																	
STD AGPROOF Expected			94	0																	
STD SP49 Expected			60.2	18.34																	
STD SQ70 Expected			159.5	39.62																	
STD DS10 Expected					13.6	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65
STD OREAS45EA Expected					1.6	709	14.3	31.4	260	381	52	400	23.51	10.3	1.73	53	10.7	3.5	0.03	0.32	0.26
BLK	Blank		<50	<0.9																	
BLK	Blank				<0.01	0.05	0.10	0.4	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02
Prep Wash																					
ROCK-VAN	Prep Blank				0.44	9.40	5.00	39.0	103	0.6	3.1	399	1.77	0.7	0.3	1.2	2.4	25.0	0.04	0.93	0.16
ROCK-VAN	Prep Blank		<50	<0.9																	

BUREAU VERITAS MINERAL LABORATORIES Canada

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

Client: **Eilat Exploration Ltd.**
5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Project: None_Given
Report Date: January 05, 2016

QUALITY CONTROL REPORT VAN15003311.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																						
REP ROCK-VAN	QC																					
Reference Materials																						
STD AGPROOF	Standard																					
STD DS10	Standard	42	1.07	0.079	15.2	50.3	0.77	420.7	0.068	<20	0.99	0.065	0.32	3.5	2.9	5.52	0.30	299	2.2	4.44	4.2
STD OREAS45EA	Standard	347	0.04	0.033	7.4	845.8	0.09	160.1	0.099	<20	3.52	0.022	0.06	<0.1	88.3	0.06	0.04	<5	0.7	0.14	13.4
STD SP49	Standard																					
STD SQ70	Standard																					
STD AGPROOF Expected																						
STD SP49 Expected																						
STD SQ70 Expected																						
STD DS10 Expected		43	1.0625	0.0765	17.5	54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	2.8	5.1	0.29	300	2.3	5.01	4.3
STD OREAS45EA Expected		303	0.036	0.029	7.06	849	0.095	148	0.0984		3.13	0.02	0.053		78	0.072	0.036	10	0.78	0.07	12.4
BLK	Blank																					
BLK	Blank	<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	0.3	<0.02	<0.02	<5	<0.1	<0.02	<0.1
Prep Wash																						
ROCK-VAN	Prep Blank	21	0.49	0.044	4.1	1.8	0.42	61.8	0.066	<20	0.82	0.057	0.07	0.1	2.0	0.02	<0.02	10	<0.1	0.04	3.4
ROCK-VAN	Prep Blank																					

ALS Canada Ltd.

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www.alsglobal.com

To: **EILAT EXPLORATION LTD.**
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

Finalized Date: 4-NOV-2015
This copy reported on
30-NOV-2015
Account: EILEXP

QC CERTIFICATE VA15165505

Project: Summit Lake

This report is for 29 Rock samples submitted to our lab in Vancouver, BC, Canada on 16-OCT-2015.

The following have access to data associated with this certificate:

ROD SALINGER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

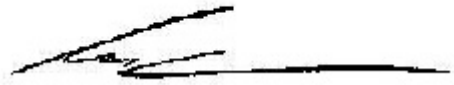
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Zn-OG46	Ore Grade Zn - Aqua Regia	VARIABLE
ME-GRA21	Au Ag 30g FA-GRAV finish	WST-SIM
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

To: **EILAT EXPLORATION LTD.**
ATTN: ROD SALINGER
5637 BAILLIE ST.
VANCOUVER BC V5Z 3M7

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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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Eilat Exploration Ltd.**
5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Submitted By: Rod Salinger
Receiving Lab: Canada-Vancouver
Received: December 09, 2015
Report Date: January 05, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN15003280.1

CLIENT JOB INFORMATION

Project: None_Given
Shipment ID:
P.O. Number
Number of Samples: 1

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
BAT01	1	Batch charge of <20 samples			VAN
PRP70-250	1	Crush, split and pulverize 250 g rock to 200 mesh			VAN
FA550	1	50g Lead collection fire assay fusion - grav finish	50	Completed	VAN
AQ250	1	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Eilat Exploration Ltd.
5637 Baillie St.
Vancouver BC V5Z 3M7
CANADA

CC: Andris Kikauka

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Eilat Exploration Ltd.**
5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Project: None_Given
Report Date: January 05, 2016

CERTIFICATE OF ANALYSIS VAN15003280.1

Method		WGHT	FA550	FA550	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
Analyte		Wgt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
Unit		kg	gm/t	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
MDL		0.01	50	0.9	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02
59A+59B	Rock	0.49	<50	7.1	37.61	2787.08	102.95	70.8	8171	164.9	392.9	518	35.84	1.4	<0.1	5079.6	0.2	11.6	0.94	7.60	4.16

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Eilat Exploration Ltd.**
5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Project: None_Given
Report Date: January 05, 2016

CERTIFICATE OF ANALYSIS VAN15003280.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
59A+59B	Rock	59	1.32	0.160	0.6	2.2	0.67	2.7	0.002	<20	1.05	<0.001	<0.01	0.3	0.7	0.45	>10	60	59.0	1.66	5.8

BUREAU VERITAS MINERAL LABORATORIES Canada

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

Client: **Eilat Exploration Ltd.**
5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Project: None_Given
Report Date: January 05, 2016

QUALITY CONTROL REPORT VAN15003280.1

		Method	WGHT	FA550	FA550	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	Wgt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		Unit	kg	gm/t	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		MDL	0.01	50	0.9	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02
Pulp Duplicates																						
REP ROCK-VAN	QC			<50	<0.9																	
Reference Materials																						
STD AGPROOF	Standard			97	<0.9																	
STD DS10	Standard					13.91	153.24	159.38	376.0	1995	70.7	12.8	919	2.82	48.8	2.6	57.3	7.4	69.9	2.72	8.28	12.98
STD OREAS45EA	Standard					1.43	695.41	14.31	30.4	292	391.3	52.3	426	22.67	10.3	1.8	50.2	10.0	4.0	0.02	0.26	0.26
STD SP49	Standard			60	18.4																	
STD SQ70	Standard			154	39.3																	
STD AGPROOF Expected				94	0																	
STD SP49 Expected				60.2	18.34																	
STD SQ70 Expected				159.5	39.62																	
STD DS10 Expected						13.6	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65
STD OREAS45EA Expected						1.6	709	14.3	31.4	260	381	52	400	23.51	10.3	1.73	53	10.7	3.5	0.03	0.32	0.26
BLK	Blank			<50	<0.9																	
BLK	Blank					<0.01	0.01	0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02
Prep Wash																						
ROCK-VAN	Prep Blank					0.53	5.71	2.04	32.8	20	1.1	3.5	403	1.80	0.8	0.3	0.2	2.3	25.6	0.04	0.11	<0.02
ROCK-VAN	Prep Blank			<50	<0.9																	

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PHONE (604) 253-3158

Client: **Eilat Exploration Ltd.**
5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Project: None_Given
Report Date: January 05, 2016

QUALITY CONTROL REPORT VAN15003280.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																						
REP ROCK-VAN	QC																					
Reference Materials																						
STD AGPROOF	Standard																					
STD DS10	Standard		41	1.08	0.078	16.7	54.1	0.78	445.4	0.074	<20	1.02	0.068	0.33	3.5	2.8	5.48	0.28	339	2.5	5.57	4.7
STD OREAS45EA	Standard		311	0.04	0.030	6.7	836.4	0.09	150.5	0.090	<20	3.17	0.020	0.05	<0.1	79.7	0.06	0.03	<5	0.6	0.06	13.0
STD SP49	Standard																					
STD SQ70	Standard																					
STD AGPROOF Expected																						
STD SP49 Expected																						
STD SQ70 Expected																						
STD DS10 Expected			43	1.0625	0.0765	17.5	54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	2.8	5.1	0.29	300	2.3	5.01	4.3
STD OREAS45EA Expected			303	0.036	0.029	7.06	849	0.095	148	0.0984		3.13	0.02	0.053		78	0.072	0.036	10	0.78	0.07	12.4
BLK	Blank																					
BLK	Blank		<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	0.3	<0.02	<0.02	<5	<0.1	0.05	<0.1
Prep Wash																						
ROCK-VAN	Prep Blank		22	0.57	0.043	4.5	3.1	0.40	62.1	0.076	<20	0.86	0.061	0.06	0.1	2.2	<0.02	<0.02	10	<0.1	<0.02	3.9
ROCK-VAN	Prep Blank																					

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Bureau Veritas Commodities Canada Ltd.
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PHONE (604) 253-3158

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Client: **Eilat Exploration Ltd.**
5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Submitted By: Rod Salinger
Receiving Lab: Canada-Vancouver
Received: October 29, 2015
Report Date: January 05, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN15002930.1

CLIENT JOB INFORMATION

Project: Eilat 2015
Shipment ID:
P.O. Number
Number of Samples: 3

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
BAT01	1	Batch charge of <20 samples			VAN
PRP70-250	3	Crush, split and pulverize 250 g rock to 200 mesh			VAN
FA550	3	50g Lead collection fire assay fusion - grav finish	50	Completed	VAN
AQ250	3	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Eilat Exploration Ltd.
5637 Baillie St.
Vancouver BC V5Z 3M7
CANADA

CC: Andris Kikauka

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Geochemical Laboratory Manager

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

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Client: **Eilat Exploration Ltd.**
5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Project: Eilat 2015
Report Date: January 05, 2016

CERTIFICATE OF ANALYSIS VAN15002930.1

		Method	WGHT	FA550	FA550	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	Wgt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		Unit	kg	gm/t	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		MDL	0.01	50	0.9	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02
2015-13B	Rock		1.31	<50	2.3	2.50	1788.10	2322.58	1688.3	46156	21.4	152.0	3566	39.92	114.1	0.2	975.7	0.2	57.3	32.21	11.31	53.02
2015-59A	Rock		0.35	<50	1.6	113.82	4284.35	188.15	126.7	10549	176.7	322.7	658	39.85	10.9	<0.1	958.6	0.2	6.1	1.63	4.49	3.55
2015-59B	Rock		0.16	<50	2.3	40.83	1188.75	114.03	83.5	6984	186.4	353.9	583	>40	11.8	<0.1	1697.0	0.2	4.3	0.78	5.93	3.31

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Client: **Eilat Exploration Ltd.**
5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Project: Eilat 2015
Report Date: January 05, 2016

CERTIFICATE OF ANALYSIS VAN15002930.1

	Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
	Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
2015-13B	Rock	26	3.29	0.029	1.4	2.9	0.49	11.3	0.005	<20	1.12	<0.001	0.03	0.1	3.3	0.06	>10	81	11.6	0.38	2.4
2015-59A	Rock	20	0.86	0.242	0.8	1.8	0.90	2.6	0.002	<20	1.46	<0.001	<0.01	0.4	0.9	0.20	>10	25	58.0	1.06	6.1
2015-59B	Rock	22	0.60	0.219	0.9	1.3	0.87	2.6	0.002	<20	1.41	<0.001	<0.01	0.7	0.6	0.34	>10	30	65.4	1.49	6.2

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5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Project: Eilat 2015
Report Date: January 05, 2016

QUALITY CONTROL REPORT VAN15002930.1

		Method	WGHT	FA550	FA550	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	Wgt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		Unit	kg	gm/t	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		MDL	0.01	50	0.9	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02
Pulp Duplicates																						
2015-59B	Rock		0.16	<50	2.3	40.83	1188.75	114.03	83.5	6984	186.4	353.9	583	>40	11.8	<0.1	1697.0	0.2	4.3	0.78	5.93	3.31
REP 2015-59B	QC			<50	2.1	41.13	1168.76	110.25	78.0	6403	183.9	356.2	569	>40	11.8	<0.1	1108.4	0.2	4.4	0.73	5.99	3.20
Reference Materials																						
STD AGPROOF	Standard			98	<0.9																	
STD DS10	Standard					13.56	166.10	158.43	410.3	1707	80.8	13.4	898	2.72	48.3	2.6	89.6	7.5	61.0	2.73	7.46	13.06
STD OREAS45EA	Standard					1.45	684.92	13.65	32.0	242	382.1	50.5	381	20.93	9.8	1.7	45.5	9.8	3.2	0.04	0.29	0.27
STD SP49	Standard			59	18.1																	
STD SQ70	Standard			155	39.2																	
STD AGPROOF Expected				94	0																	
STD SP49 Expected				60.2	18.34																	
STD SQ70 Expected				159.5	39.62																	
STD DS10 Expected						13.6	154.61	150.55	370	2020	74.6	12.9	875	2.7188	46.2	2.59	91.9	7.5	67.1	2.62	9	11.65
STD OREAS45EA Expected						1.6	709	14.3	31.4	260	381	52	400	23.51	10.3	1.73	53	10.7	3.5	0.03	0.32	0.26
BLK	Blank			<50	<0.9																	
BLK	Blank					<0.01	<0.01	0.03	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02
Prep Wash																						
ROCK-VAN	Prep Blank			<50	<0.9	0.41	4.02	1.70	34.6	26	0.8	3.8	415	1.67	0.7	0.3	<0.2	2.3	20.6	0.03	<0.02	0.03

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9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Eilat Exploration Ltd.**
5637 Baillie St.
Vancouver BC V5Z 3M7 CANADA

Project: Eilat 2015
Report Date: January 05, 2016

QUALITY CONTROL REPORT VAN15002930.1

		Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	2	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																						
2015-59B	Rock		22	0.60	0.219	0.9	1.3	0.87	2.6	0.002	<20	1.41	<0.001	<0.01	0.7	0.6	0.34	>10	30	65.4	1.49	6.2
REP 2015-59B	QC		22	0.59	0.215	0.8	1.4	0.86	2.4	0.002	<20	1.39	<0.001	<0.01	0.5	0.7	0.32	>10	37	66.2	1.34	5.8
Reference Materials																						
STD AGPROOF	Standard																					
STD DS10	Standard		42	1.05	0.079	17.1	57.2	0.77	405.4	0.077	<20	1.03	0.066	0.33	3.6	2.8	5.05	0.28	284	2.4	4.95	4.5
STD OREAS45EA	Standard		301	0.04	0.028	6.4	827.0	0.09	132.6	0.089	<20	3.05	0.020	0.05	<0.1	68.1	0.06	0.04	7	0.9	0.05	10.9
STD SP49	Standard																					
STD SQ70	Standard																					
STD AGPROOF Expected																						
STD SP49 Expected																						
STD SQ70 Expected																						
STD DS10 Expected			43	1.0625	0.0765	17.5	54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	2.8	5.1	0.29	300	2.3	5.01	4.3
STD OREAS45EA Expected			303	0.036	0.029	7.06	849	0.095	148	0.0984		3.13	0.02	0.053		78	0.072	0.036	10	0.78	0.07	12.4
BLK	Blank																					
BLK	Blank		<2	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
Prep Wash																						
ROCK-VAN	Prep Blank		21	0.51	0.044	4.5	5.9	0.43	52.4	0.078	<20	0.81	0.048	0.06	0.1	2.0	<0.02	<0.02	<5	0.1	<0.02	3.3

CASH CLIENTS - SASKATOON
ATTN: ROD SALINGER
EILAT EXPLORATION LTD
5637 BAILLIE STREET
VANCOUVER BC V5Z 3M7

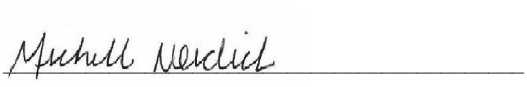
Date Received: 07-JAN-16
Report Date: 14-JAN-16 14:51 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L1720955

Project P.O. #: INVOICE# E1349015
Job Reference: ARD PROJECT
C of C Numbers:
Legal Site Desc:



Michelle Nordick, B.Sc., A.Ag
Account Manager

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-1 VA15165506R001 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.00077	DLM	0.00010	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	56.6	DLDS	0.040	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.137	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0236	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	0.0114	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	1.90	DLDS	0.20	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	8.50	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	503	DLDS	1.0	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.0140	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	29.2	DLHC	0.010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	13.4	DLHC	0.020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	330	DLDS	0.20	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	1.45	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.306	DLDS	0.020	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	132	DLDS	0.10	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	126	DLHC	0.010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	3.02	DLDS	0.010	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<1.0	DLDS	1.0	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	12.7	DLDS	1.0	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0473	DLDS	0.0040	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.0704	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	56.6	DLDS	1.0	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00150	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	11.7	DLDS	1.0	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.45	DLDS	0.0040	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	1330	DLDS	10	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0040	DLDS	0.0040	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	0.00400	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0060	DLDS	0.0060	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00175	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.010	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	369	DLHC	1.0	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0060	DLDS	0.0060	mg/L		13-JAN-16	R3369536
L1720955-2 VA15165506R002 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.00027	DLM	0.00010	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-2 VA15165506R002 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	357	DLDS	0.040	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0079	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.231	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0381	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	0.0139	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	1.43	DLDS	0.20	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.380	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	243	DLDS	1.0	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.0190	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	0.240	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	5.64	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	29.6	DLHC	0.020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	1510	DLDS	0.20	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	1.70	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.645	DLDS	0.020	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	283	DLDS	0.10	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	32.7	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	0.663	DLDS	0.010	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<1.0	DLDS	1.0	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	9.3	DLDS	1.0	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0612	DLDS	0.0040	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.0805	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	104	DLDS	1.0	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00123	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	8.6	DLDS	1.0	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	0.537	DLDS	0.0040	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	2350	DLDS	10	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0040	DLDS	0.0040	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	0.00739	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	0.0131	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	0.0281	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	0.0407	DLDS	0.0060	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.0132	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	0.156	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	40.6	DLHC	0.10	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0060	DLDS	0.0060	mg/L		13-JAN-16	R3369536
L1720955-3 VA15165506R003 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.000034	DLM	0.000025	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	0.025	DLDS	0.020	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0039	DLDS	0.0010	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-3 VA15165506R003 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Arsenic (As)-Dissolved	0.0114	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0826	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	0.38	DLDS	0.10	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.00487	DLDS	0.000050	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	701	DLDS	0.50	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.00388	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	0.0418	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	0.0060	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	0.68	DLDS	0.10	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	0.00132	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.077	DLDS	0.010	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	46.9	DLDS	0.050	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	0.794	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<0.50	DLDS	0.50	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	12.8	DLDS	0.50	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0233	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.139	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	11.3	DLDS	0.50	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	<0.00010	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	5.00	DLDS	0.50	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.51	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	809	DLDS	5.0	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	<0.00010	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00034	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	0.049	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
L1720955-4 VA15165506R004 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.000098	DLM	0.000050	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	<0.020	DLDS	0.020	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0041	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.0105	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.102	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-4 VA15165506R004 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Bismuth (Bi)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	0.51	DLDS	0.10	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.00262	DLDS	0.000050	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	735	DLDS	0.50	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.00369	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	0.0233	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	0.0079	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	1.08	DLDS	0.10	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	0.00104	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.042	DLDS	0.010	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	64.0	DLDS	0.050	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	0.863	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<0.50	DLDS	0.50	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	32.3	DLDS	0.50	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0493	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.123	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	9.06	DLDS	0.50	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00040	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	9.53	DLDS	0.50	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.78	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	1100	DLDS	5.0	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	<0.00010	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00041	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	0.026	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
L1720955-5 VA15165506R005 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.000051	DLM	0.000050	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	<0.020	DLDS	0.020	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0028	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.0133	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0656	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	0.43	DLDS	0.10	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.00256	DLDS	0.000050	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-5 VA15165506R005 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Calcium (Ca)-Dissolved	724	DLDS	0.50	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.00567	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	0.0210	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	0.0029	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	0.79	DLDS	0.10	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	0.00115	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.073	DLDS	0.010	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	82.2	DLDS	0.050	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	0.810	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<0.50	DLDS	0.50	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	23.2	DLDS	0.50	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0551	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.0882	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	5.62	DLDS	0.50	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00017	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	7.87	DLDS	0.50	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.66	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	1110	DLDS	5.0	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	<0.00010	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00026	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	0.025	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
L1720955-6 VA15165506R006 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.000039	DLM	0.000025	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	<0.020	DLDS	0.020	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0030	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.0167	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0339	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	0.39	DLDS	0.10	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.00288	DLDS	0.000050	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	690	DLDS	0.50	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.00303	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-6 VA15165506R006 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Cobalt (Co)-Dissolved	0.0111	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	0.0075	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	0.49	DLDS	0.10	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	0.00109	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.069	DLDS	0.010	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	38.4	DLDS	0.050	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	0.455	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<0.50	DLDS	0.50	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	11.6	DLDS	0.50	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0211	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.109	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	15.3	DLDS	0.50	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00023	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	14.8	DLDS	0.50	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.30	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	706	DLDS	5.0	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	0.00011	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	0.0023	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00030	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	0.018	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
L1720955-7 VA15165506R007 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.000034	DLM	0.000025	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	<0.020	DLDS	0.020	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0015	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.0073	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0566	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	0.45	DLDS	0.10	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.00233	DLDS	0.000050	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	713	DLDS	0.50	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.00329	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	0.0059	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	0.0046	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	0.35	DLDS	0.10	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-7 VA15165506R007 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Lead (Pb)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.132	DLDS	0.010	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	39.8	DLDS	0.050	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	0.401	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<0.50	DLDS	0.50	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	13.3	DLDS	0.50	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0221	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.215	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	9.22	DLDS	0.50	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00011	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	6.88	DLDS	0.50	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.51	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	847	DLDS	5.0	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	0.00027	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00010	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	<0.010	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
L1720955-8 VA15165506R008 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.000072	DLM	0.000050	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	<0.020	DLDS	0.020	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0203	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.0133	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0425	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	0.77	DLDS	0.10	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.00152	DLDS	0.000050	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	609	DLDS	0.50	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.00076	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	0.0074	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	0.0072	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	0.91	DLDS	0.10	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	0.00356	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.032	DLDS	0.010	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	28.2	DLDS	0.050	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-8 VA15165506R008 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Manganese (Mn)-Dissolved	0.818	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	0.00163	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<0.50	DLDS	0.50	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	11.8	DLDS	0.50	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0071	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.0423	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	6.86	DLDS	0.50	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00045	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	7.10	DLDS	0.50	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.19	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	646	DLDS	5.0	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	<0.00010	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00043	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	0.019	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
L1720955-9 VA15165506R009 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.000040	DLM	0.000025	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	<0.020	DLDS	0.020	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0136	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.0178	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0592	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	0.88	DLDS	0.10	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.00341	DLDS	0.000050	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	614	DLDS	0.50	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.00210	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	0.0140	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	0.0109	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	0.25	DLDS	0.10	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	0.00132	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.047	DLDS	0.010	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	33.2	DLDS	0.050	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	0.731	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	0.00144	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-9 VA15165506R009 - INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Phosphorus (P)-Dissolved	<0.50	DLDS	0.50	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	13.0	DLDS	0.50	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0174	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.0875	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	9.10	DLDS	0.50	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00014	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	22.6	DLDS	0.50	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.22	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	641	DLDS	5.0	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	<0.00010	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00038	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	0.014	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
L1720955-37 VA15165506R001 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.00102	DLM	0.00010	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	94.1	DLDS	0.040	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.155	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0139	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	0.0188	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	<0.20	DLDS	0.20	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	8.22	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	534	DLDS	1.0	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.0124	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	0.0043	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	27.0	DLHC	0.010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	29.3	DLHC	0.020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	258	DLDS	0.20	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	2.15	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.225	DLDS	0.020	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	85.2	DLDS	0.10	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	111	DLHC	0.010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	2.75	DLDS	0.010	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<1.0	DLDS	1.0	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	4.7	DLDS	1.0	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0283	DLDS	0.0040	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-37 VA15165506R001 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Selenium (Se)-Dissolved	0.0533	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	26.9	DLDS	1.0	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00138	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	3.5	DLDS	1.0	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.01	DLDS	0.0040	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	1250	DLDS	10	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0040	DLDS	0.0040	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	0.00205	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0060	DLDS	0.0060	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00397	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.010	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	341	DLHC	1.0	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0060	DLDS	0.0060	mg/L		13-JAN-16	R3369536
L1720955-38 VA15165506R002 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.00020	DLM	0.00010	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	143	DLDS	0.040	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0030	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.260	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0274	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	0.0062	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	<0.20	DLDS	0.20	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.172	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	124	DLDS	1.0	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.0101	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	0.136	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	2.66	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	15.6	DLHC	0.010	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	721	DLDS	0.20	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	1.59	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.306	DLDS	0.020	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	113	DLDS	0.10	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	14.1	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	0.297	DLDS	0.010	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	1.2	DLDS	1.0	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	3.3	DLDS	1.0	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0241	DLDS	0.0040	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.0479	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	27.4	DLDS	1.0	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00077	DLDS	0.00020	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-38 VA15165506R002 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Sodium (Na)-Dissolved	2.2	DLDS	1.0	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	0.278	DLDS	0.0040	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	1120	DLDS	10	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0040	DLDS	0.0040	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	0.00365	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	0.0096	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	0.0309	DLDS	0.0060	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00715	DLDS	0.00020	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	0.053	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	18.3	DLHC	0.050	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0060	DLDS	0.0060	mg/L		13-JAN-16	R3369536
L1720955-39 VA15165506R003 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.000088	DLM	0.000050	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	<0.020	DLDS	0.020	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0034	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.0037	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0767	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	<0.10	DLDS	0.10	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.0126	DLDS	0.000050	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	722	DLDS	0.50	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.00208	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	0.121	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	0.0089	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	0.54	DLDS	0.10	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	0.00840	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.074	DLDS	0.010	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	36.6	DLDS	0.050	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	2.02	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	0.0097	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<0.50	DLDS	0.50	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	7.64	DLDS	0.50	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0136	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.0998	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	1.62	DLDS	0.50	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00055	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	2.39	DLDS	0.50	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.40	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	732	DLDS	5.0	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-39 VA15165506R003 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Tellurium (Te)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	<0.00010	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00042	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	0.202	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
L1720955-40 VA15165506R004 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.000105	DLM	0.000050	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	<0.020	DLDS	0.020	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0037	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.0041	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.111	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	<0.10	DLDS	0.10	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.00594	DLDS	0.000050	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	767	DLDS	0.50	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.00284	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	0.0408	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	0.0153	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	1.06	DLDS	0.10	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	0.00208	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.045	DLDS	0.010	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	60.1	DLDS	0.050	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	1.66	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	0.0075	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<0.50	DLDS	0.50	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	28.4	DLDS	0.50	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0431	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.0975	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	2.34	DLDS	0.50	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00173	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	6.55	DLDS	0.50	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.67	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	1030	DLDS	5.0	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	<0.00010	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-40 VA15165506R004 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Tin (Sn)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00053	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	0.110	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
L1720955-41 VA15165506R005 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.000178	DLM	0.000050	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	<0.020	DLDS	0.020	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0031	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.0037	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0639	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	<0.10	DLDS	0.10	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.00570	DLDS	0.000050	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	774	DLDS	0.50	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.00185	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	0.0381	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	0.0040	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	0.60	DLDS	0.10	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	0.00314	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.074	DLDS	0.010	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	71.4	DLDS	0.050	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	2.07	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	0.0093	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<0.50	DLDS	0.50	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	18.0	DLDS	0.50	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0402	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.0673	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	1.90	DLDS	0.50	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00063	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	3.64	DLDS	0.50	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.60	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	1000	DLDS	5.0	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	<0.00010	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-41 VA15165506R005 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Uranium (U)-Dissolved	0.00033	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	0.072	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
L1720955-42 VA15165506R006 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.000121	DLM	0.000050	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	<0.020	DLDS	0.020	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0026	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.0024	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0308	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	<0.10	DLDS	0.10	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.00872	DLDS	0.000050	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	751	DLDS	0.50	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.00198	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	0.0370	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	0.0124	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	0.47	DLDS	0.10	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	0.00270	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.076	DLDS	0.010	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	43.1	DLDS	0.050	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	1.32	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	0.0097	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<0.50	DLDS	0.50	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	7.79	DLDS	0.50	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0136	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.114	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	1.94	DLDS	0.50	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00261	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	5.20	DLDS	0.50	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.52	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	781	DLDS	5.0	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	<0.00010	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00032	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	0.065	DLDS	0.010	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-42 VA15165506R006 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Zirconium (Zr)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
L1720955-43 VA15165506R007 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.000045	DLM	0.000025	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	<0.020	DLDS	0.020	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.0013	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0466	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	<0.10	DLDS	0.10	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.00559	DLDS	0.000050	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	726	DLDS	0.50	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.00382	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	0.0345	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	0.0059	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	0.23	DLDS	0.10	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	0.00074	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.112	DLDS	0.010	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	29.6	DLDS	0.050	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	1.08	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	0.0074	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<0.50	DLDS	0.50	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	6.14	DLDS	0.50	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0152	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.126	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	2.65	DLDS	0.50	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00087	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	2.44	DLDS	0.50	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.46	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	758	DLDS	5.0	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	0.00022	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	<0.00010	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	0.042	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-44 VA15165506R008 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.000153	DLM	0.000050	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	<0.020	DLDS	0.020	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0098	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.0039	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0337	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	0.20	DLDS	0.10	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.00425	DLDS	0.000050	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	625	DLDS	0.50	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.00032	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	0.0192	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	0.0116	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	0.67	DLDS	0.10	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	0.0126	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.037	DLDS	0.010	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	19.8	DLDS	0.050	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	1.81	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	0.00078	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	0.0085	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<0.50	DLDS	0.50	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	7.26	DLDS	0.50	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0047	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.0332	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	1.39	DLDS	0.50	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00101	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	4.57	DLDS	0.50	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.11	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	609	DLDS	5.0	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	<0.00010	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00034	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	0.053	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
L1720955-45 VA15165506R009 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Mercury in Water by CVAFS							
Mercury (Hg)-Dissolved	0.000065	DLM	0.000025	mg/L		13-JAN-16	R3369594
Dissolved Mercury Filtration Location	FIELD					13-JAN-16	R3367374

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1720955-45 VA15165506R009 - CONTROL INITIAL							
Sampled By: CLIENT on 07-JAN-16 @ 12:00							
Matrix: WATER							
Dissolved Metals in Water by CRC ICPMS							
Dissolved Metals Filtration Location	FIELD					13-JAN-16	R3367374
Aluminum (Al)-Dissolved	<0.020	DLDS	0.020	mg/L		13-JAN-16	R3369536
Antimony (Sb)-Dissolved	0.0037	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Arsenic (As)-Dissolved	0.0025	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Barium (Ba)-Dissolved	0.0370	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Beryllium (Be)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Bismuth (Bi)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Boron (B)-Dissolved	<0.10	DLDS	0.10	mg/L		13-JAN-16	R3369536
Cadmium (Cd)-Dissolved	0.0126	DLDS	0.000050	mg/L		13-JAN-16	R3369536
Calcium (Ca)-Dissolved	631	DLDS	0.50	mg/L		13-JAN-16	R3369536
Cesium (Cs)-Dissolved	0.00217	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Chromium (Cr)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Cobalt (Co)-Dissolved	0.0617	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Copper (Cu)-Dissolved	0.0181	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Iron (Fe)-Dissolved	0.18	DLDS	0.10	mg/L		13-JAN-16	R3369536
Lead (Pb)-Dissolved	0.00229	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Lithium (Li)-Dissolved	0.045	DLDS	0.010	mg/L		13-JAN-16	R3369536
Magnesium (Mg)-Dissolved	15.3	DLDS	0.050	mg/L		13-JAN-16	R3369536
Manganese (Mn)-Dissolved	1.62	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Molybdenum (Mo)-Dissolved	<0.00050	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Nickel (Ni)-Dissolved	0.0090	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Phosphorus (P)-Dissolved	<0.50	DLDS	0.50	mg/L		13-JAN-16	R3369536
Potassium (K)-Dissolved	5.02	DLDS	0.50	mg/L		13-JAN-16	R3369536
Rubidium (Rb)-Dissolved	0.0100	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Selenium (Se)-Dissolved	0.0612	DLDS	0.00050	mg/L		13-JAN-16	R3369536
Silicon (Si)-Dissolved	1.00	DLDS	0.50	mg/L		13-JAN-16	R3369536
Silver (Ag)-Dissolved	0.00116	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Sodium (Na)-Dissolved	17.8	DLDS	0.50	mg/L		13-JAN-16	R3369536
Strontium (Sr)-Dissolved	1.11	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Sulfur (S)-Dissolved	572	DLDS	5.0	mg/L		13-JAN-16	R3369536
Tellurium (Te)-Dissolved	<0.0020	DLDS	0.0020	mg/L		13-JAN-16	R3369536
Thallium (Tl)-Dissolved	<0.00010	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Thorium (Th)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Tin (Sn)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Titanium (Ti)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536
Tungsten (W)-Dissolved	<0.0010	DLDS	0.0010	mg/L		13-JAN-16	R3369536
Uranium (U)-Dissolved	0.00015	DLDS	0.00010	mg/L		13-JAN-16	R3369536
Vanadium (V)-Dissolved	<0.0050	DLDS	0.0050	mg/L		13-JAN-16	R3369536
Zinc (Zn)-Dissolved	0.072	DLDS	0.010	mg/L		13-JAN-16	R3369536
Zirconium (Zr)-Dissolved	<0.0030	DLDS	0.0030	mg/L		13-JAN-16	R3369536

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
DLDS	Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.
DLHC	Detection Limit Raised: Dilution required due to high concentration of test analyte(s).
DLM	Detection Limit Adjusted due to sample matrix effects.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
HG-D-CVAF-SK	Water	Dissolved Mercury in Water by CVAFS	APHA 3030B / EPE 245.7
This procedure involves preliminary filtration through a 0.45 um filter and involves a cold-oxidation of the acidified sample using bromine monochloride prior to reduction of the sample with stannous chloride. Instrumental analysis is by cold vapour atomic fluorescence spectrophotometry			
MET-D-CCMS-SK	Water	Dissolved Metals in Water by CRC ICPMS	APHA 3030B / EPA 6020A
This procedure involves preliminary filtration through a 0.45 um filter followed by instrumental analysis using collision cell inductively coupled plasma - mass spectrometry (modifed from EPA Method 6020A).			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: CASH CLIENTS - SASKATOON
EILAT EXPLORATION LTD 5637 BAILLIE STREET
VANCOUVER BC V5Z 3M7
Contact: ROD SALINGER

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-D-CVAF-SK	**Water**							
Batch R3369594								
WG2244195-8 LCS								
Mercury (Hg)-Dissolved			100.6		%		70-130	13-JAN-16
WG2244195-6 MB								
Mercury (Hg)-Dissolved			<0.000005(		mg/L		0.000005	13-JAN-16
MET-D-CCMS-SK	**Water**							
Batch R3369536								
WG2244195-7 CRM		**TMRM_20**						
Aluminum (Al)-Dissolved			108.9		%		80-120	13-JAN-16
Antimony (Sb)-Dissolved			106.2		%		80-120	13-JAN-16
Arsenic (As)-Dissolved			100.3		%		80-120	13-JAN-16
Barium (Ba)-Dissolved			105.2		%		80-120	13-JAN-16
Beryllium (Be)-Dissolved			100.1		%		80-120	13-JAN-16
Bismuth (Bi)-Dissolved			101.6		%		80-120	13-JAN-16
Boron (B)-Dissolved			93.8		%		80-120	13-JAN-16
Cadmium (Cd)-Dissolved			98.8		%		80-120	13-JAN-16
Calcium (Ca)-Dissolved			103.2		%		80-120	13-JAN-16
Cesium (Cs)-Dissolved			104.6		%		80-120	13-JAN-16
Chromium (Cr)-Dissolved			100.8		%		80-120	13-JAN-16
Cobalt (Co)-Dissolved			99.3		%		80-120	13-JAN-16
Copper (Cu)-Dissolved			97.6		%		80-120	13-JAN-16
Iron (Fe)-Dissolved			101.0		%		80-120	13-JAN-16
Lead (Pb)-Dissolved			103.1		%		80-120	13-JAN-16
Lithium (Li)-Dissolved			101.8		%		80-120	13-JAN-16
Magnesium (Mg)-Dissolved			101.2		%		80-120	13-JAN-16
Manganese (Mn)-Dissolved			102.2		%		80-120	13-JAN-16
Molybdenum (Mo)-Dissolved			100.5		%		80-120	13-JAN-16
Nickel (Ni)-Dissolved			99.6		%		80-120	13-JAN-16
Phosphorus (P)-Dissolved			119.9		%		70-130	13-JAN-16
Potassium (K)-Dissolved			104.5		%		80-120	13-JAN-16
Rubidium (Rb)-Dissolved			99.2		%		80-120	13-JAN-16
Selenium (Se)-Dissolved			99.7		%		80-120	13-JAN-16
Silicon (Si)-Dissolved			106.2		%		80-120	13-JAN-16
Silver (Ag)-Dissolved			104.9		%		80-120	13-JAN-16
Sodium (Na)-Dissolved			103.2		%		80-120	13-JAN-16
Strontium (Sr)-Dissolved			102.6		%		80-120	13-JAN-16

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-CCMS-SK	**Water**							
Batch R3369536								
WG2244195-7 CRM		**TMRM_20**						
Sulfur (S)-Dissolved			98.5		%		80-120	13-JAN-16
Tellurium (Te)-Dissolved			101.1		%		80-120	13-JAN-16
Thallium (Tl)-Dissolved			103.9		%		80-120	13-JAN-16
Thorium (Th)-Dissolved			99.9		%		80-120	13-JAN-16
Tin (Sn)-Dissolved			98.7		%		80-120	13-JAN-16
Titanium (Ti)-Dissolved			97.9		%		80-120	13-JAN-16
Tungsten (W)-Dissolved			102.2		%		80-120	13-JAN-16
Uranium (U)-Dissolved			103.8		%		80-120	13-JAN-16
Vanadium (V)-Dissolved			102.9		%		80-120	13-JAN-16
Zinc (Zn)-Dissolved			97.0		%		80-120	13-JAN-16
Zirconium (Zr)-Dissolved			99.2		%		80-120	13-JAN-16
WG2244195-6 MB								
Aluminum (Al)-Dissolved			<0.0020		mg/L		0.002	13-JAN-16
Antimony (Sb)-Dissolved			<0.00010		mg/L		0.0001	13-JAN-16
Arsenic (As)-Dissolved			<0.00010		mg/L		0.0001	13-JAN-16
Barium (Ba)-Dissolved			<0.000050		mg/L		0.00005	13-JAN-16
Beryllium (Be)-Dissolved			<0.00010		mg/L		0.0001	13-JAN-16
Bismuth (Bi)-Dissolved			<0.000050		mg/L		0.00005	13-JAN-16
Boron (B)-Dissolved			<0.010		mg/L		0.01	13-JAN-16
Cadmium (Cd)-Dissolved			<0.000005C		mg/L		0.000005	13-JAN-16
Calcium (Ca)-Dissolved			<0.050		mg/L		0.05	13-JAN-16
Cesium (Cs)-Dissolved			<0.000010		mg/L		0.00001	13-JAN-16
Chromium (Cr)-Dissolved			<0.00010		mg/L		0.0001	13-JAN-16
Cobalt (Co)-Dissolved			<0.00010		mg/L		0.0001	13-JAN-16
Copper (Cu)-Dissolved			<0.00020		mg/L		0.0002	13-JAN-16
Iron (Fe)-Dissolved			<0.010		mg/L		0.01	13-JAN-16
Lead (Pb)-Dissolved			<0.000050		mg/L		0.00005	13-JAN-16
Lithium (Li)-Dissolved			<0.0010		mg/L		0.001	13-JAN-16
Magnesium (Mg)-Dissolved			<0.0050		mg/L		0.005	13-JAN-16
Manganese (Mn)-Dissolved			<0.00010		mg/L		0.0001	13-JAN-16
Molybdenum (Mo)-Dissolved			<0.000050		mg/L		0.00005	13-JAN-16
Nickel (Ni)-Dissolved			<0.00050		mg/L		0.0005	13-JAN-16
Phosphorus (P)-Dissolved			<0.050		mg/L		0.05	13-JAN-16
Potassium (K)-Dissolved			<0.050		mg/L		0.05	13-JAN-16

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-CCMS-SK	**Water**							
Batch R3369536								
WG2244195-6 MB								
Rubidium (Rb)-Dissolved			<0.00020		mg/L		0.0002	13-JAN-16
Selenium (Se)-Dissolved			<0.000050		mg/L		0.00005	13-JAN-16
Silicon (Si)-Dissolved			<0.050		mg/L		0.05	13-JAN-16
Silver (Ag)-Dissolved			<0.000010		mg/L		0.00001	13-JAN-16
Sodium (Na)-Dissolved			<0.050		mg/L		0.05	13-JAN-16
Strontium (Sr)-Dissolved			<0.00020		mg/L		0.0002	13-JAN-16
Sulfur (S)-Dissolved			<0.50		mg/L		0.5	13-JAN-16
Tellurium (Te)-Dissolved			<0.00020		mg/L		0.0002	13-JAN-16
Thallium (Tl)-Dissolved			<0.000010		mg/L		0.00001	13-JAN-16
Thorium (Th)-Dissolved			<0.00010		mg/L		0.0001	13-JAN-16
Tin (Sn)-Dissolved			<0.00010		mg/L		0.0001	13-JAN-16
Titanium (Ti)-Dissolved			<0.00030		mg/L		0.0003	13-JAN-16
Tungsten (W)-Dissolved			<0.00010		mg/L		0.0001	13-JAN-16
Uranium (U)-Dissolved			<0.000010		mg/L		0.00001	13-JAN-16
Vanadium (V)-Dissolved			<0.00050		mg/L		0.0005	13-JAN-16
Zinc (Zn)-Dissolved			<0.0010		mg/L		0.001	13-JAN-16
Zirconium (Zr)-Dissolved			<0.00030		mg/L		0.0003	13-JAN-16

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

ALS Environmental Special Project Report

ARD Project - Initial Readings L1720955 Attachement

Sample ID:	Client ID:	Matrix	Dissolved Oxygen mg/L	pH
L1720955-1	VA15165506R001 - Initial	Leachate	8.97	3.55
L1720955-37	VA15165506R001 - Control - Initial	Leachate	8.72	3.3
L1720955-2	VA15165506R002 - Initial	Leachate	9.34	2.62
L1720955-38	VA15165506R002 - Control - Initial	Leachate	9.02	2.63
L1720955-3	VA15165506R003 - Initial	Leachate	8.48	7.02
L1720955-39	VA15165506R003 - Control - Initial	Leachate	8.17	6.85
L1720955-4	VA15165506R004 - Initial	Leachate	7.85	6.98
L1720955-40	VA15165506R004 - Control - Initial	Leachate	7.77	6.83
L1720955-5	VA15165506R005 - Initial	Leachate	7.35	6.96
L1720955-41	VA15165506R005 - Control - Initial	Leachate	6.68	6.81
L1720955-6	VA15165506R006 - Initial	Leachate	9.02	6.99
L1720955-42	VA15165506R006 - Control - Initial	Leachate	7.23	6.79
L1720955-7	VA15165506R007 - Initial	Leachate	8.24	6.74
L1720955-43	VA15165506R007 - Control - Initial	Leachate	7.92	6.51
L1720955-8	VA15165506R008 - Initial	Leachate	9.14	7.4
L1720955-44	VA15165506R008 - Control - Initial	Leachate	7.32	6.97
L1720955-9	VA15165506R009 - Initial	Leachate	8.23	7.32
L1720955-45	VA15165506R009 - Control - Initial	Leachate	7.29	7.1

L1720955-COFC

NG SERVICES

CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

TOLL FREE 1-800-667-7645 WWW.ALSENVIRO.COM Pg. 1 of 7-4

DATE: 7JAN16

LAB WORK ORDER #

REPORT TO:
COMPANY: Eilat Exploration Ltd.
CONTACT: Rod Salinger
ADDRESS: 5637 Baillie Street, Vancouver, BC, V5Z 3M7
PHONE: FAX:

REPORT DISTRIBUTION: ALL FINAL RESULTS WILL BE MAILED
EMAIL_X FAX____
EMAIL 1:_rod.salinger@aeroattack.com__
EMAIL 2:___
SELECT: pdf_x__ digital___ both___

SERVICE REQUESTED
X REGULAR SERVICE (DEFAULT) 27 Jan 16
PRIORITY SERVICE (50% SURCHARGE)
EMERGENCY SERVICE (100% SURCHARGE)

INVOICE TO: SAME Y / N
COMPANY: SAME
CONTACT:
ADDRESS:
PHONE: FAX:

INDICATE BOTTLES: FILTERED/PRESERVED (F/P)
JOB # ARD Project
SITE:
PO / AFE: Invoice # E1349015
LSD:
QUOTE #

ANALYSIS REQUEST

SAMPLE ID	SAMPLING LOCATION	SAMPLED BY / DATE / TIME	SAMPLING METHOD	SAMPLE TYPE	Special Request-SK	pH	Met-D-CCMS-SK	HG-D-CVAF-SK
VA15165506R001 - Initial		7JAN16 4:00PM		Water	X	X	X	X
VA15165506R002 - Initial		7JAN16 4:00PM			X	X	X	X
VA15165506R003 - Initial		7JAN16 4:00PM			X	X	X	X
VA15165506R004 - Initial		7JAN16 4:00PM			X	X	X	X
VA15165506R005 - Initial		7JAN16 4:00PM			X	X	X	X
VA15165506R006 - Initial		7JAN16 4:00PM			X	X	X	X
VA15165506R007 - Initial		7JAN16 4:00PM			X	X	X	X
VA15165506R008 - Initial		7JAN16 4:00PM			X	X	X	X
VA15165506R009 - Initial		7JAN16 4:00PM			X	X	X	X

SPECIAL INSTRUCTIONS / NATURE OF HAZARDOUS MATERIAL

Special Project: ARD Mine Tailings. Special Request: Report Dissolved Oxygen

SAMPLE CONDITION
FROZEN MEAN TEMPERATURE
COLD
AMBIENT

Failure to complete all portions of this form may delay analysis. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the reverse of the white report copy.

RELINQUISHED BY:	DATE & TIME:		DATE & TIME	SAMPLE CONDITION ACCEPTABLE UPON RECEIPT ? (Y/N)
RELINQUISHED BY:	DATE & TIME:	RECEIVED BY:	DATE & TIME:	

REFER TO BACKPAGE FOR SAMPLING INFORMATION & REGIONAL LOCATIONS WHITE - REPORT COPY, PINK - FILE COPY, YELLOW - CLIENT COPY GENF04.00

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IG SERVICES

CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

TOLL FREE 1-800-667-7645 WWW.ALSENVIRO.COM

DATE: 7JAN16

LAB WORK ORDER #

REPORT TO:
COMPANY: Eilat Exploration Ltd.
CONTACT: Rod Salinger
ADDRESS: 5637 Baillie Street, Vancouver, BC, V5Z 3M7
PHONE: FAX:

REPORT DISTRIBUTION: ALL FINAL RESULTS WILL BE MAILED
EMAIL_X FAX___
EMAIL 1:_rod.salinger@aeroattack.com__
EMAIL 2:___
SELECT: pdf_x__ digital___ both___

SERVICE REQUESTED
X REGULAR SERVICE (DEFAULT)
PRIORITY SERVICE (50% SURCHARGE)
EMERGENCY SERVICE (100% SURCHARGE)

INVOICE TO: SAME Y / N
COMPANY: SAME
CONTACT:
ADDRESS:
PHONE: FAX:

JOB # ARD Project
SITE:
PO / AFE: Invoice # E1349015
LSD:
QUOTE #

ANALYSIS REQUEST
INDICATE BOTTLES: FILTERED/PRESERVED (F/P)

SAMPLE ID	SAMPLING LOCATION	SAMPLED BY / DATE / TIME	SAMPLING METHOD	SAMPLE TYPE	Special Request-SK	pH	Met-D-CCMS-SK	HG-D-CVAF-SK
VA15165506R001 - 7 Day		7JAN16 4:00PM		Water	X	X		
VA15165506R002 - 7 Day		7JAN16 4:00PM			X	X		
VA15165506R003 - 7 Day		7JAN16 4:00PM			X	X		
VA15165506R004 - 7 Day		7JAN16 4:00PM			X	X		
VA15165506R005 - 7 Day		7JAN16 4:00PM			X	X		
VA15165506R006 - 7 Day		7JAN16 4:00PM			X	X		
VA15165506R007 - 7 Day		7JAN16 4:00PM			X	X		
VA15165506R008 - 7 Day		7JAN16 4:00PM			X	X		
VA15165506R009 - 7 Day		7JAN16 4:00PM			X	X		

SPECIAL INSTRUCTIONS / NATURE OF HAZARDOUS MATERIAL

Special Project: ARD Mine Tailings. Special Request: Report Dissolved Oxygen

SAMPLE CONDITION
FROZEN
COLD
AMBIEN
MEAN TEMPERATURE

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RELINQUISHED BY:	DATE & TIME:	RECEIVED BY:	DATE & TIME:	

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G SERVICES

CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

TOLL FREE 1-800-667-7645 WWW.ALSENVIRO.COM

DATE: 7JAN16

LAB WORK ORDER #

REPORT TO:
COMPANY: Eilat Exploration Ltd.
CONTACT: Rod Salinger
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PHONE: FAX:

REPORT DISTRIBUTION: ALL FINAL RESULTS WILL BE MAILED
EMAIL_X FAX____
EMAIL 1:_rod.salinger@aeroattack.com__
EMAIL 2:___
SELECT: pdf_x__ digital___ both___

SERVICE REQUESTED
X REGULAR SERVICE (DEFAULT)
PRIORITY SERVICE (50% SURCHARGE)
EMERGENCY SERVICE (100% SURCHARGE)

INVOICE TO: SAME Y / N
COMPANY: SAME
CONTACT:
ADDRESS:
PHONE: FAX:

JOB # ARD Project
SITE:
PO / AFE: Invoice # E1349015
LSD:
QUOTE #

ANALYSIS REQUEST

INDICATE BOTTLES: FILTERED/PRESERVED (F/P)

SAMPLE ID	SAMPLING LOCATION	SAMPLED BY / DATE / TIME	SAMPLING METHOD	SAMPLE TYPE	Special Request-SK	pH	Met-D-CCMS-SK	HG-D-CVAF-SK
VA15165506R001 - 14 Day		7JAN16 4:00PM		Water	X	X	X	X
VA15165506R002 - 14 day		7JAN16 4:00PM			X	X	X	X
VA15165506R003 - 14 day		7JAN16 4:00PM			X	X	X	X
VA15165506R004 - 14 day		7JAN16 4:00PM			X	X	X	X
VA15165506R005 - 14 day		7JAN16 4:00PM			X	X	X	X
VA15165506R006 - 14 day		7JAN16 4:00PM			X	X	X	X
VA15165506R007 - 14 day		7JAN16 4:00PM			X	X	X	X
VA15165506R008 - 14 day		7JAN16 4:00PM			X	X	X	X
VA15165506R009 - 14 day		7JAN16 4:00PM			X	X	X	X

SPECIAL INSTRUCTIONS / NATURE OF HAZARDOUS MATERIAL

Special Project: ARD Mine Tailings. Special Request: Report Dissolved Oxygen

SAMPLE CONDITION
FROZEN
COLD
AMBIEN
MEAN TEMPERATURE

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RELINQUISHED BY:	DATE & TIME:	RECEIVED BY:	DATE & TIME:	

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ING SERVICES

CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

TOLL FREE 1-800-667-7645 WWW.ALSENVIRO.COM

DATE: 7JAN16 | LAB WORK ORDER #

REPORT TO:
COMPANY: Eilat Exploration Ltd.
CONTACT: Rod Salinger
ADDRESS: 5637 Baillie Street, Vancouver, BC, V5Z 3M7
PHONE: FAX:

REPORT DISTRIBUTION: ALL FINAL RESULTS WILL BE MAILED
EMAIL_X FAX____
EMAIL 1:_rod.salinger@aeroattack.com__
EMAIL 2:___
SELECT: pdf_x__ digital___ both___

SERVICE REQUESTED

X	REGULAR SERVICE (DEFAULT)
	PRIORITY SERVICE (50% SURCHARGE)
	EMERGENCY SERVICE (100% SURCHARGE)

INVOICE TO: SAME Y / N
COMPANY: SAME
CONTACT:
ADDRESS:
PHONE: FAX:

JOB # ARD Project
SITE:
PO / AFE: Invoice # E1349015
LSD:
QUOTE #

ANALYSIS REQUEST

INDICATE BOTTLES: FILTERED/PRESERVED (F/P)

SAMPLE ID	SAMPLING LOCATION	SAMPLED BY / DATE / TIME	SAMPLING METHOD	SAMPLE TYPE	Special Request-SK	pH	Met-D-CCMS-SK	HG-D-CVAF-SK
VA15165506R001 - Control		7JAN16 4:00PM		Water	X	X	X	X
VA15165506R002 - Control		7JAN16 4:00PM			X	X	X	X
VA15165506R003 - Control		7JAN16 4:00PM			X	X	X	X
VA15165506R004 - Control		7JAN16 4:00PM			X	X	X	X
VA15165506R005 - Control		7JAN16 4:00PM			X	X	X	X
VA15165506R006 - Control		7JAN16 4:00PM			X	X	X	X
VA15165506R007 - Control		7JAN16 4:00PM			X	X	X	X
VA15165506R008 - Control		7JAN16 4:00PM			X	X	X	X
VA15165506R009 - Control		7JAN16 4:00PM			X	X	X	X

SPECIAL INSTRUCTIONS / NATURE OF HAZARDOUS MATERIAL

Special Project: ARD Mine Tailings. Special Request: Report Dissolved Oxygen

SAMPLE CONDITION

	FROZEN
	COLD
	AMBIENT

MEAN TEMPERATURE

Failure to complete all portions of this form may delay analysis. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the reverse of the white report copy.

RELINQUISHED BY:	DATE & TIME:		DATE & TIME	SAMPLE CONDITION ACCEPTABLE UPON RECEIPT ? (Y/N)
RELINQUISHED BY:	DATE & TIME:	RECEIVED BY:	DATE & TIME:	

ALS		ALS ID
1/14/2016		Sample ID
L1720955		Date Sampled
Analyte	Units	LOR
pH		n/a
Dissolved Mercury Filtration Location		n/a
Dissolved Metals Filtration Location		n/a
Aluminum (Al)-Dissolved	mg/L	0.02
Aluminum (Al)-Dissolved		n/a
Antimony (Sb)-Dissolved	mg/L	0.001
Antimony (Sb)-Dissolved		n/a
Arsenic (As)-Dissolved	mg/L	0.001
Arsenic (As)-Dissolved		n/a
Barium (Ba)-Dissolved	mg/L	0.0005
Barium (Ba)-Dissolved		n/a
Beryllium (Be)-Dissolved	mg/L	0.001
Beryllium (Be)-Dissolved		n/a
Bismuth (Bi)-Dissolved	mg/L	0.0005
Bismuth (Bi)-Dissolved		n/a
Boron (B)-Dissolved	mg/L	0.1
Boron (B)-Dissolved		n/a
Cadmium (Cd)-Dissolved	mg/L	0.00005
Cadmium (Cd)-Dissolved		n/a
Calcium (Ca)-Dissolved	mg/L	0.5
Calcium (Ca)-Dissolved		n/a
Cesium (Cs)-Dissolved	mg/L	0.0001
Cesium (Cs)-Dissolved		n/a
Chromium (Cr)-Dissolved	mg/L	0.001
Chromium (Cr)-Dissolved		n/a
Cobalt (Co)-Dissolved	mg/L	0.001
Cobalt (Co)-Dissolved		n/a
Copper (Cu)-Dissolved	mg/L	0.002
Copper (Cu)-Dissolved		n/a
Iron (Fe)-Dissolved	mg/L	0.1
Iron (Fe)-Dissolved		n/a
Lead (Pb)-Dissolved	mg/L	0.0005
Lead (Pb)-Dissolved		n/a
Lithium (Li)-Dissolved	mg/L	0.01
Lithium (Li)-Dissolved		n/a
Magnesium (Mg)-Dissolved	mg/L	0.05
Magnesium (Mg)-Dissolved		n/a
Manganese (Mn)-Dissolved	mg/L	0.001
Manganese (Mn)-Dissolved		n/a
Mercury (Hg)-Dissolved	mg/L	0.000025
Mercury (Hg)-Dissolved		n/a
Molybdenum (Mo)-Dissolved	mg/L	0.0005
Molybdenum (Mo)-Dissolved		n/a
Nickel (Ni)-Dissolved	mg/L	0.005
Nickel (Ni)-Dissolved		n/a
Phosphorus (P)-Dissolved	mg/L	0.5
Phosphorus (P)-Dissolved		n/a

ALS		ALS ID
1/14/2016		Sample ID
L1720955		Date Sampled
Analyte	**Units**	**LOR**
Potassium (K)-Dissolved	mg/L	0.5
Potassium (K)-Dissolved		n/a
Rubidium (Rb)-Dissolved	mg/L	0.002
Rubidium (Rb)-Dissolved		n/a
Selenium (Se)-Dissolved	mg/L	0.0005
Selenium (Se)-Dissolved		n/a
Silicon (Si)-Dissolved	mg/L	0.5
Silicon (Si)-Dissolved		n/a
Silver (Ag)-Dissolved	mg/L	0.0001
Silver (Ag)-Dissolved		n/a
Sodium (Na)-Dissolved	mg/L	0.5
Sodium (Na)-Dissolved		n/a
Strontium (Sr)-Dissolved	mg/L	0.002
Strontium (Sr)-Dissolved		n/a
Sulfur (S)-Dissolved	mg/L	5
Sulfur (S)-Dissolved		n/a
Tellurium (Te)-Dissolved	mg/L	0.002
Tellurium (Te)-Dissolved		n/a
Thallium (Tl)-Dissolved	mg/L	0.0001
Thallium (Tl)-Dissolved		n/a
Thorium (Th)-Dissolved	mg/L	0.001
Thorium (Th)-Dissolved		n/a
Tin (Sn)-Dissolved	mg/L	0.001
Tin (Sn)-Dissolved		n/a
Titanium (Ti)-Dissolved	mg/L	0.003
Titanium (Ti)-Dissolved		n/a
Tungsten (W)-Dissolved	mg/L	0.001
Tungsten (W)-Dissolved		n/a
Uranium (U)-Dissolved	mg/L	0.0001
Uranium (U)-Dissolved		n/a
Vanadium (V)-Dissolved	mg/L	0.005
Vanadium (V)-Dissolved		n/a
Zinc (Zn)-Dissolved	mg/L	0.01
Zinc (Zn)-Dissolved		n/a
Zirconium (Zr)-Dissolved	mg/L	0.003
Zirconium (Zr)-Dissolved		n/a
Special Request		n/a
* = Result Qualified	Mouse-over the result to see the qualification.	
IP = In Progress	Mouse-over the cell to see the current status.	
Applied Guideline:	**British Columbia Contaminated Sites Regulation**	
Color Key:	Within Guideline	Exceeds Guideline

ALS		
1/14/2016		
L1720955		
Analyte	BCCSR-S6-WATER-DW	BCCSR-S6-WATER-FAL
pH		-
Dissolved Mercury Filtration Location	-	-
Dissolved Metals Filtration Location	-	-
Aluminum (Al)-Dissolved	9.5	-
Aluminum (Al)-Dissolved	-	-
Antimony (Sb)-Dissolved	0.006	0.2
Antimony (Sb)-Dissolved	-	-
Arsenic (As)-Dissolved	0.01	0.05
Arsenic (As)-Dissolved	-	-
Barium (Ba)-Dissolved	1	10
Barium (Ba)-Dissolved	-	-
Beryllium (Be)-Dissolved	-	0.053
Beryllium (Be)-Dissolved	-	-
Bismuth (Bi)-Dissolved	-	-
Bismuth (Bi)-Dissolved	-	-
Boron (B)-Dissolved	5	50
Boron (B)-Dissolved	-	-
Cadmium (Cd)-Dissolved	0.005	0.0001
Cadmium (Cd)-Dissolved	-	-
Calcium (Ca)-Dissolved	-	-
Calcium (Ca)-Dissolved	-	-
Cesium (Cs)-Dissolved	-	-
Cesium (Cs)-Dissolved	-	-
Chromium (Cr)-Dissolved	0.05	0.01
Chromium (Cr)-Dissolved	-	-
Cobalt (Co)-Dissolved	-	0.04
Cobalt (Co)-Dissolved	-	-
Copper (Cu)-Dissolved	1	0.02
Copper (Cu)-Dissolved	-	-
Iron (Fe)-Dissolved	6.5	-
Iron (Fe)-Dissolved	-	-
Lead (Pb)-Dissolved	0.01	0.04
Lead (Pb)-Dissolved	-	-
Lithium (Li)-Dissolved	-	-
Lithium (Li)-Dissolved	-	-
Magnesium (Mg)-Dissolved	100	-
Magnesium (Mg)-Dissolved	-	-
Manganese (Mn)-Dissolved	0.55	-
Manganese (Mn)-Dissolved	-	-
Mercury (Hg)-Dissolved	0.001	0.001
Mercury (Hg)-Dissolved	-	-
Molybdenum (Mo)-Dissolved	0.25	10
Molybdenum (Mo)-Dissolved	-	-
Nickel (Ni)-Dissolved	-	0.25
Nickel (Ni)-Dissolved	-	-
Phosphorus (P)-Dissolved	-	-
Phosphorus (P)-Dissolved	-	-

ALS		
1/14/2016		
L1720955		
Analyte	**BCCSR-S6-WATER-DW**	**BCCSR-S6-WATER-FAL**
Potassium (K)-Dissolved	-	-
Potassium (K)-Dissolved	-	-
Rubidium (Rb)-Dissolved	-	-
Rubidium (Rb)-Dissolved	-	-
Selenium (Se)-Dissolved	0.01	0.01
Selenium (Se)-Dissolved	-	-
Silicon (Si)-Dissolved	-	-
Silicon (Si)-Dissolved	-	-
Silver (Ag)-Dissolved	-	0.0005
Silver (Ag)-Dissolved	-	-
Sodium (Na)-Dissolved	200	-
Sodium (Na)-Dissolved	-	-
Strontium (Sr)-Dissolved	-	-
Strontium (Sr)-Dissolved	-	-
Sulfur (S)-Dissolved	-	-
Sulfur (S)-Dissolved	-	-
Tellurium (Te)-Dissolved	-	-
Tellurium (Te)-Dissolved	-	-
Thallium (Tl)-Dissolved	-	0.003
Thallium (Tl)-Dissolved	-	-
Thorium (Th)-Dissolved	-	-
Thorium (Th)-Dissolved	-	-
Tin (Sn)-Dissolved	-	-
Tin (Sn)-Dissolved	-	-
Titanium (Ti)-Dissolved	-	1
Titanium (Ti)-Dissolved	-	-
Tungsten (W)-Dissolved	-	-
Tungsten (W)-Dissolved	-	-
Uranium (U)-Dissolved	0.02	3
Uranium (U)-Dissolved	-	-
Vanadium (V)-Dissolved	-	-
Vanadium (V)-Dissolved	-	-
Zinc (Zn)-Dissolved	5	0.075
Zinc (Zn)-Dissolved	-	-
Zirconium (Zr)-Dissolved	-	-
Zirconium (Zr)-Dissolved	-	-
Special Request	-	-
* = Result Qualified		
IP = In Progress		
Applied Guideline:	**(MAY, 2011) = [Suite] - BC-CSR-All Land and Water Uses**	
Color Key:		

ALS		
1/14/2016		
L1720955		
Analyte	BCCSR-S6-WATER-I	BCCSR-S6-WATER-L
pH	-	-
Dissolved Mercury Filtration Location	-	-
Dissolved Metals Filtration Location	-	-
Aluminum (Al)-Dissolved	5	5
Aluminum (Al)-Dissolved	-	-
Antimony (Sb)-Dissolved	-	-
Antimony (Sb)-Dissolved	-	-
Arsenic (As)-Dissolved	0.1	0.025
Arsenic (As)-Dissolved	-	-
Barium (Ba)-Dissolved	-	-
Barium (Ba)-Dissolved	-	-
Beryllium (Be)-Dissolved	0.1	0.1
Beryllium (Be)-Dissolved	-	-
Bismuth (Bi)-Dissolved	-	-
Bismuth (Bi)-Dissolved	-	-
Boron (B)-Dissolved	0.5	5
Boron (B)-Dissolved	-	-
Cadmium (Cd)-Dissolved	0.005	0.08
Cadmium (Cd)-Dissolved	-	-
Calcium (Ca)-Dissolved	-	1000
Calcium (Ca)-Dissolved	-	-
Cesium (Cs)-Dissolved	-	-
Cesium (Cs)-Dissolved	-	-
Chromium (Cr)-Dissolved	0.005	0.05
Chromium (Cr)-Dissolved	-	-
Cobalt (Co)-Dissolved	0.05	1
Cobalt (Co)-Dissolved	-	-
Copper (Cu)-Dissolved	0.2	0.3
Copper (Cu)-Dissolved	-	-
Iron (Fe)-Dissolved	5	-
Iron (Fe)-Dissolved	-	-
Lead (Pb)-Dissolved	0.2	0.1
Lead (Pb)-Dissolved	-	-
Lithium (Li)-Dissolved	2.5	5
Lithium (Li)-Dissolved	-	-
Magnesium (Mg)-Dissolved	-	-
Magnesium (Mg)-Dissolved	-	-
Manganese (Mn)-Dissolved	0.2	-
Manganese (Mn)-Dissolved	-	-
Mercury (Hg)-Dissolved	0.001	0.002
Mercury (Hg)-Dissolved	-	-
Molybdenum (Mo)-Dissolved	0.01	0.05
Molybdenum (Mo)-Dissolved	-	-
Nickel (Ni)-Dissolved	0.2	1
Nickel (Ni)-Dissolved	-	-
Phosphorus (P)-Dissolved	-	-
Phosphorus (P)-Dissolved	-	-

ALS		
1/14/2016		
L1720955		
Analyte	**BCCSR-S6-WATER-I**	**BCCSR-S6-WATER-L**
Potassium (K)-Dissolved	-	-
Potassium (K)-Dissolved	-	-
Rubidium (Rb)-Dissolved	-	-
Rubidium (Rb)-Dissolved	-	-
Selenium (Se)-Dissolved	0.02	0.05
Selenium (Se)-Dissolved	-	-
Silicon (Si)-Dissolved	-	-
Silicon (Si)-Dissolved	-	-
Silver (Ag)-Dissolved	-	-
Silver (Ag)-Dissolved	-	-
Sodium (Na)-Dissolved	-	-
Sodium (Na)-Dissolved	-	-
Strontium (Sr)-Dissolved	-	-
Strontium (Sr)-Dissolved	-	-
Sulfur (S)-Dissolved	-	-
Sulfur (S)-Dissolved	-	-
Tellurium (Te)-Dissolved	-	-
Tellurium (Te)-Dissolved	-	-
Thallium (Tl)-Dissolved	-	-
Thallium (Tl)-Dissolved	-	-
Thorium (Th)-Dissolved	-	-
Thorium (Th)-Dissolved	-	-
Tin (Sn)-Dissolved	-	-
Tin (Sn)-Dissolved	-	-
Titanium (Ti)-Dissolved	-	-
Titanium (Ti)-Dissolved	-	-
Tungsten (W)-Dissolved	-	-
Tungsten (W)-Dissolved	-	-
Uranium (U)-Dissolved	0.01	0.2
Uranium (U)-Dissolved	-	-
Vanadium (V)-Dissolved	0.1	0.1
Vanadium (V)-Dissolved	-	-
Zinc (Zn)-Dissolved	1	2
Zinc (Zn)-Dissolved	-	-
Zirconium (Zr)-Dissolved	-	-
Zirconium (Zr)-Dissolved	-	-
Special Request	-	-
* = Result Qualified		
IP = In Progress		
Applied Guideline:		
Color Key:		

ALS		
1/14/2016		
L1720955		
Analyte	BCCSR-S6-WATER-MAL	BCCSR-S10-WATER-DW
pH	-	-
Dissolved Mercury Filtration Location	-	-
Dissolved Metals Filtration Location	-	-
Aluminum (Al)-Dissolved	-	-
Aluminum (Al)-Dissolved	-	-
Antimony (Sb)-Dissolved	0.2	-
Antimony (Sb)-Dissolved	-	-
Arsenic (As)-Dissolved	0.125	-
Arsenic (As)-Dissolved	-	-
Barium (Ba)-Dissolved	5	-
Barium (Ba)-Dissolved	-	-
Beryllium (Be)-Dissolved	1	-
Beryllium (Be)-Dissolved	-	-
Bismuth (Bi)-Dissolved	-	-
Bismuth (Bi)-Dissolved	-	-
Boron (B)-Dissolved	50	-
Boron (B)-Dissolved	-	-
Cadmium (Cd)-Dissolved	0.001	-
Cadmium (Cd)-Dissolved	-	-
Calcium (Ca)-Dissolved	-	-
Calcium (Ca)-Dissolved	-	-
Cesium (Cs)-Dissolved	-	-
Cesium (Cs)-Dissolved	-	-
Chromium (Cr)-Dissolved	0.15	-
Chromium (Cr)-Dissolved	-	-
Cobalt (Co)-Dissolved	0.04	-
Cobalt (Co)-Dissolved	-	-
Copper (Cu)-Dissolved	0.02	-
Copper (Cu)-Dissolved	-	-
Iron (Fe)-Dissolved	-	-
Iron (Fe)-Dissolved	-	-
Lead (Pb)-Dissolved	0.02	-
Lead (Pb)-Dissolved	-	-
Lithium (Li)-Dissolved	-	0.73
Lithium (Li)-Dissolved	-	-
Magnesium (Mg)-Dissolved	-	-
Magnesium (Mg)-Dissolved	-	-
Manganese (Mn)-Dissolved	-	0.55
Manganese (Mn)-Dissolved	-	-
Mercury (Hg)-Dissolved	0.001	-
Mercury (Hg)-Dissolved	-	-
Molybdenum (Mo)-Dissolved	10	-
Molybdenum (Mo)-Dissolved	-	-
Nickel (Ni)-Dissolved	0.083	-
Nickel (Ni)-Dissolved	-	-
Phosphorus (P)-Dissolved	-	-
Phosphorus (P)-Dissolved	-	-

ALS		
1/14/2016		
L1720955		
Analyte	**BCCSR-S6-WATER-MAL**	**BCCSR-S10-WATER-DW**
Potassium (K)-Dissolved	-	-
Potassium (K)-Dissolved	-	-
Rubidium (Rb)-Dissolved	-	-
Rubidium (Rb)-Dissolved	-	-
Selenium (Se)-Dissolved	0.54	-
Selenium (Se)-Dissolved	-	-
Silicon (Si)-Dissolved	-	-
Silicon (Si)-Dissolved	-	-
Silver (Ag)-Dissolved	0.015	-
Silver (Ag)-Dissolved	-	-
Sodium (Na)-Dissolved	-	-
Sodium (Na)-Dissolved	-	-
Strontium (Sr)-Dissolved	-	22
Strontium (Sr)-Dissolved	-	-
Sulfur (S)-Dissolved	-	-
Sulfur (S)-Dissolved	-	-
Tellurium (Te)-Dissolved	-	-
Tellurium (Te)-Dissolved	-	-
Thallium (Tl)-Dissolved	0.003	-
Thallium (Tl)-Dissolved	-	-
Thorium (Th)-Dissolved	-	-
Thorium (Th)-Dissolved	-	-
Tin (Sn)-Dissolved	-	22
Tin (Sn)-Dissolved	-	-
Titanium (Ti)-Dissolved	1	-
Titanium (Ti)-Dissolved	-	-
Tungsten (W)-Dissolved	-	-
Tungsten (W)-Dissolved	-	-
Uranium (U)-Dissolved	1	0.02
Uranium (U)-Dissolved	-	-
Vanadium (V)-Dissolved	-	-
Vanadium (V)-Dissolved	-	-
Zinc (Zn)-Dissolved	0.1	-
Zinc (Zn)-Dissolved	-	-
Zirconium (Zr)-Dissolved	-	-
Zirconium (Zr)-Dissolved	-	-
Special Request	-	-
* = Result Qualified		
IP = In Progress		
Applied Guideline:		
Color Key:		

ALS	L1720955-1	L1720955-2
1/14/2016	VA15165506R001 - INITIAL	VA15165506R002 - INITIAL
L1720955	1/7/2016 12:00:00 PM	1/7/2016 12:00:00 PM
Analyte	Water	Water
pH	3.55	2.62
Dissolved Mercury Filtration Location	FIELD	FIELD
Dissolved Metals Filtration Location	FIELD	FIELD
Aluminum (Al)-Dissolved	56.6 *	357 *
Aluminum (Al)-Dissolved	-	-
Antimony (Sb)-Dissolved	<0.0020 *	0.0079 *
Antimony (Sb)-Dissolved	-	-
Arsenic (As)-Dissolved	0.137 *	0.231 *
Arsenic (As)-Dissolved	-	-
Barium (Ba)-Dissolved	0.0236 *	0.0381 *
Barium (Ba)-Dissolved	-	-
Beryllium (Be)-Dissolved	0.0114 *	0.0139 *
Beryllium (Be)-Dissolved	-	-
Bismuth (Bi)-Dissolved	<0.0010 *	<0.0010 *
Bismuth (Bi)-Dissolved	-	-
Boron (B)-Dissolved	1.90 *	1.43 *
Boron (B)-Dissolved	-	-
Cadmium (Cd)-Dissolved	8.50 *	0.380 *
Cadmium (Cd)-Dissolved	-	-
Calcium (Ca)-Dissolved	503 *	243 *
Calcium (Ca)-Dissolved	-	-
Cesium (Cs)-Dissolved	0.0140 *	0.0190 *
Cesium (Cs)-Dissolved	-	-
Chromium (Cr)-Dissolved	<0.0020 *	0.240 *
Chromium (Cr)-Dissolved	-	-
Cobalt (Co)-Dissolved	29.2 *	5.64 *
Cobalt (Co)-Dissolved	-	-
Copper (Cu)-Dissolved	13.4 *	29.6 *
Copper (Cu)-Dissolved	-	-
Iron (Fe)-Dissolved	330 *	1510 *
Iron (Fe)-Dissolved	-	-
Lead (Pb)-Dissolved	1.45 *	1.70 *
Lead (Pb)-Dissolved	-	-
Lithium (Li)-Dissolved	0.306 *	0.645 *
Lithium (Li)-Dissolved	-	-
Magnesium (Mg)-Dissolved	132 *	283 *
Magnesium (Mg)-Dissolved	-	-
Manganese (Mn)-Dissolved	126 *	32.7 *
Manganese (Mn)-Dissolved	-	-
Mercury (Hg)-Dissolved	0.00077 *	0.00027 *
Mercury (Hg)-Dissolved	-	-
Molybdenum (Mo)-Dissolved	<0.0010 *	<0.0010 *
Molybdenum (Mo)-Dissolved	-	-
Nickel (Ni)-Dissolved	3.02 *	0.663 *
Nickel (Ni)-Dissolved	-	-
Phosphorus (P)-Dissolved	<1.0 *	<1.0 *
Phosphorus (P)-Dissolved	-	-

ALS	L1720955-1	L1720955-2
1/14/2016	VA15165506R001 - INITIAL	VA15165506R002 - INITIAL
L1720955	1/7/2016 12:00:00 PM	1/7/2016 12:00:00 PM
Analyte	Water	Water
Potassium (K)-Dissolved	12.7 *	9.3 *
Potassium (K)-Dissolved	-	-
Rubidium (Rb)-Dissolved	0.0473 *	0.0612 *
Rubidium (Rb)-Dissolved	-	-
Selenium (Se)-Dissolved	0.0704 *	0.0805 *
Selenium (Se)-Dissolved	-	-
Silicon (Si)-Dissolved	56.6 *	104 *
Silicon (Si)-Dissolved	-	-
Silver (Ag)-Dissolved	0.00150 *	0.00123 *
Silver (Ag)-Dissolved	-	-
Sodium (Na)-Dissolved	11.7 *	8.6 *
Sodium (Na)-Dissolved	-	-
Strontium (Sr)-Dissolved	1.45 *	0.537 *
Strontium (Sr)-Dissolved	-	-
Sulfur (S)-Dissolved	1330 *	2350 *
Sulfur (S)-Dissolved	-	-
Tellurium (Te)-Dissolved	<0.0040 *	<0.0040 *
Tellurium (Te)-Dissolved	-	-
Thallium (Tl)-Dissolved	0.00400 *	0.00739 *
Thallium (Tl)-Dissolved	-	-
Thorium (Th)-Dissolved	<0.0020 *	0.0131 *
Thorium (Th)-Dissolved	-	-
Tin (Sn)-Dissolved	<0.0020 *	0.0281 *
Tin (Sn)-Dissolved	-	-
Titanium (Ti)-Dissolved	<0.0060 *	0.0407 *
Titanium (Ti)-Dissolved	-	-
Tungsten (W)-Dissolved	<0.0020 *	<0.0020 *
Tungsten (W)-Dissolved	-	-
Uranium (U)-Dissolved	0.00175 *	0.0132 *
Uranium (U)-Dissolved	-	-
Vanadium (V)-Dissolved	<0.010 *	0.156 *
Vanadium (V)-Dissolved	-	-
Zinc (Zn)-Dissolved	369 *	40.6 *
Zinc (Zn)-Dissolved	-	-
Zirconium (Zr)-Dissolved	<0.0060 *	<0.0060 *
Zirconium (Zr)-Dissolved	-	-
Special Request	-	-
* = Result Qualified		
IP = In Progress		
Applied Guideline:		
Color Key:		

ALS	L1720955-3	L1720955-4
1/14/2016	VA15165506R003 - INITIAL	VA15165506R004 - INITIAL
L1720955	1/7/2016 12:00:00 PM	1/7/2016 12:00:00 PM
Analyte	Water	Water
pH	7.02	6.98
Dissolved Mercury Filtration Location	FIELD	FIELD
Dissolved Metals Filtration Location	FIELD	FIELD
Aluminum (Al)-Dissolved	0.025 *	<0.020 *
Aluminum (Al)-Dissolved	-	-
Antimony (Sb)-Dissolved	0.0039 *	0.0041 *
Antimony (Sb)-Dissolved	-	-
Arsenic (As)-Dissolved	0.0114 *	0.0105 *
Arsenic (As)-Dissolved	-	-
Barium (Ba)-Dissolved	0.0826 *	0.102 *
Barium (Ba)-Dissolved	-	-
Beryllium (Be)-Dissolved	<0.0010 *	<0.0010 *
Beryllium (Be)-Dissolved	-	-
Bismuth (Bi)-Dissolved	<0.00050 *	<0.00050 *
Bismuth (Bi)-Dissolved	-	-
Boron (B)-Dissolved	0.38 *	0.51 *
Boron (B)-Dissolved	-	-
Cadmium (Cd)-Dissolved	0.00487 *	0.00262 *
Cadmium (Cd)-Dissolved	-	-
Calcium (Ca)-Dissolved	701 *	735 *
Calcium (Ca)-Dissolved	-	-
Cesium (Cs)-Dissolved	0.00388 *	0.00369 *
Cesium (Cs)-Dissolved	-	-
Chromium (Cr)-Dissolved	<0.0010 *	<0.0010 *
Chromium (Cr)-Dissolved	-	-
Cobalt (Co)-Dissolved	0.0418 *	0.0233 *
Cobalt (Co)-Dissolved	-	-
Copper (Cu)-Dissolved	0.0060 *	0.0079 *
Copper (Cu)-Dissolved	-	-
Iron (Fe)-Dissolved	0.68 *	1.08 *
Iron (Fe)-Dissolved	-	-
Lead (Pb)-Dissolved	0.00132 *	0.00104 *
Lead (Pb)-Dissolved	-	-
Lithium (Li)-Dissolved	0.077 *	0.042 *
Lithium (Li)-Dissolved	-	-
Magnesium (Mg)-Dissolved	46.9 *	64.0 *
Magnesium (Mg)-Dissolved	-	-
Manganese (Mn)-Dissolved	0.794 *	0.863 *
Manganese (Mn)-Dissolved	-	-
Mercury (Hg)-Dissolved	0.000034 *	0.000098 *
Mercury (Hg)-Dissolved	-	-
Molybdenum (Mo)-Dissolved	<0.00050 *	<0.00050 *
Molybdenum (Mo)-Dissolved	-	-
Nickel (Ni)-Dissolved	<0.0050 *	<0.0050 *
Nickel (Ni)-Dissolved	-	-
Phosphorus (P)-Dissolved	<0.50 *	<0.50 *
Phosphorus (P)-Dissolved	-	-

ALS	L1720955-3	L1720955-4
1/14/2016	VA15165506R003 - INITIAL	VA15165506R004 - INITIAL
L1720955	1/7/2016 12:00:00 PM	1/7/2016 12:00:00 PM
Analyte	Water	Water
Potassium (K)-Dissolved	12.8 *	32.3 *
Potassium (K)-Dissolved	-	-
Rubidium (Rb)-Dissolved	0.0233 *	0.0493 *
Rubidium (Rb)-Dissolved	-	-
Selenium (Se)-Dissolved	0.139 *	0.123 *
Selenium (Se)-Dissolved	-	-
Silicon (Si)-Dissolved	11.3 *	9.06 *
Silicon (Si)-Dissolved	-	-
Silver (Ag)-Dissolved	<0.00010 *	0.00040 *
Silver (Ag)-Dissolved	-	-
Sodium (Na)-Dissolved	5.00 *	9.53 *
Sodium (Na)-Dissolved	-	-
Strontium (Sr)-Dissolved	1.51 *	1.78 *
Strontium (Sr)-Dissolved	-	-
Sulfur (S)-Dissolved	809 *	1100 *
Sulfur (S)-Dissolved	-	-
Tellurium (Te)-Dissolved	<0.0020 *	<0.0020 *
Tellurium (Te)-Dissolved	-	-
Thallium (Tl)-Dissolved	<0.00010 *	<0.00010 *
Thallium (Tl)-Dissolved	-	-
Thorium (Th)-Dissolved	<0.0010 *	<0.0010 *
Thorium (Th)-Dissolved	-	-
Tin (Sn)-Dissolved	<0.0010 *	<0.0010 *
Tin (Sn)-Dissolved	-	-
Titanium (Ti)-Dissolved	<0.0030 *	<0.0030 *
Titanium (Ti)-Dissolved	-	-
Tungsten (W)-Dissolved	<0.0010 *	<0.0010 *
Tungsten (W)-Dissolved	-	-
Uranium (U)-Dissolved	0.00034 *	0.00041 *
Uranium (U)-Dissolved	-	-
Vanadium (V)-Dissolved	<0.0050 *	<0.0050 *
Vanadium (V)-Dissolved	-	-
Zinc (Zn)-Dissolved	0.049 *	0.026 *
Zinc (Zn)-Dissolved	-	-
Zirconium (Zr)-Dissolved	<0.0030 *	<0.0030 *
Zirconium (Zr)-Dissolved	-	-
Special Request	-	-
* = Result Qualified		
IP = In Progress		
Applied Guideline:		
Color Key:		

ALS	L1720955-5	L1720955-6
1/14/2016	VA15165506R005 - INITIAL	VA15165506R006 - INITIAL
L1720955	1/7/2016 12:00:00 PM	1/7/2016 12:00:00 PM
Analyte	Water	Water
pH	6.96	6.99
Dissolved Mercury Filtration Location	FIELD	FIELD
Dissolved Metals Filtration Location	FIELD	FIELD
Aluminum (Al)-Dissolved	<0.020 *	<0.020 *
Aluminum (Al)-Dissolved	-	-
Antimony (Sb)-Dissolved	0.0028 *	0.0030 *
Antimony (Sb)-Dissolved	-	-
Arsenic (As)-Dissolved	0.0133 *	0.0167 *
Arsenic (As)-Dissolved	-	-
Barium (Ba)-Dissolved	0.0656 *	0.0339 *
Barium (Ba)-Dissolved	-	-
Beryllium (Be)-Dissolved	<0.0010 *	<0.0010 *
Beryllium (Be)-Dissolved	-	-
Bismuth (Bi)-Dissolved	<0.00050 *	<0.00050 *
Bismuth (Bi)-Dissolved	-	-
Boron (B)-Dissolved	0.43 *	0.39 *
Boron (B)-Dissolved	-	-
Cadmium (Cd)-Dissolved	0.00256 *	0.00288 *
Cadmium (Cd)-Dissolved	-	-
Calcium (Ca)-Dissolved	724 *	690 *
Calcium (Ca)-Dissolved	-	-
Cesium (Cs)-Dissolved	0.00567 *	0.00303 *
Cesium (Cs)-Dissolved	-	-
Chromium (Cr)-Dissolved	<0.0010 *	<0.0010 *
Chromium (Cr)-Dissolved	-	-
Cobalt (Co)-Dissolved	0.0210 *	0.0111 *
Cobalt (Co)-Dissolved	-	-
Copper (Cu)-Dissolved	0.0029 *	0.0075 *
Copper (Cu)-Dissolved	-	-
Iron (Fe)-Dissolved	0.79 *	0.49 *
Iron (Fe)-Dissolved	-	-
Lead (Pb)-Dissolved	0.00115 *	0.00109 *
Lead (Pb)-Dissolved	-	-
Lithium (Li)-Dissolved	0.073 *	0.069 *
Lithium (Li)-Dissolved	-	-
Magnesium (Mg)-Dissolved	82.2 *	38.4 *
Magnesium (Mg)-Dissolved	-	-
Manganese (Mn)-Dissolved	0.810 *	0.455 *
Manganese (Mn)-Dissolved	-	-
Mercury (Hg)-Dissolved	0.000051 *	0.000039 *
Mercury (Hg)-Dissolved	-	-
Molybdenum (Mo)-Dissolved	<0.00050 *	<0.00050 *
Molybdenum (Mo)-Dissolved	-	-
Nickel (Ni)-Dissolved	<0.0050 *	<0.0050 *
Nickel (Ni)-Dissolved	-	-
Phosphorus (P)-Dissolved	<0.50 *	<0.50 *
Phosphorus (P)-Dissolved	-	-

ALS	L1720955-5	L1720955-6
1/14/2016	VA15165506R005 - INITIAL	VA15165506R006 - INITIAL
L1720955	1/7/2016 12:00:00 PM	1/7/2016 12:00:00 PM
Analyte	Water	Water
Potassium (K)-Dissolved	23.2 *	11.6 *
Potassium (K)-Dissolved	-	-
Rubidium (Rb)-Dissolved	0.0551 *	0.0211 *
Rubidium (Rb)-Dissolved	-	-
Selenium (Se)-Dissolved	0.0882 *	0.109 *
Selenium (Se)-Dissolved	-	-
Silicon (Si)-Dissolved	5.62 *	15.3 *
Silicon (Si)-Dissolved	-	-
Silver (Ag)-Dissolved	0.00017 *	0.00023 *
Silver (Ag)-Dissolved	-	-
Sodium (Na)-Dissolved	7.87 *	14.8 *
Sodium (Na)-Dissolved	-	-
Strontium (Sr)-Dissolved	1.66 *	1.30 *
Strontium (Sr)-Dissolved	-	-
Sulfur (S)-Dissolved	1110 *	706 *
Sulfur (S)-Dissolved	-	-
Tellurium (Te)-Dissolved	<0.0020 *	<0.0020 *
Tellurium (Te)-Dissolved	-	-
Thallium (Tl)-Dissolved	<0.00010 *	0.00011 *
Thallium (Tl)-Dissolved	-	-
Thorium (Th)-Dissolved	<0.0010 *	<0.0010 *
Thorium (Th)-Dissolved	-	-
Tin (Sn)-Dissolved	<0.0010 *	0.0023 *
Tin (Sn)-Dissolved	-	-
Titanium (Ti)-Dissolved	<0.0030 *	<0.0030 *
Titanium (Ti)-Dissolved	-	-
Tungsten (W)-Dissolved	<0.0010 *	<0.0010 *
Tungsten (W)-Dissolved	-	-
Uranium (U)-Dissolved	0.00026 *	0.00030 *
Uranium (U)-Dissolved	-	-
Vanadium (V)-Dissolved	<0.0050 *	<0.0050 *
Vanadium (V)-Dissolved	-	-
Zinc (Zn)-Dissolved	0.025 *	0.018 *
Zinc (Zn)-Dissolved	-	-
Zirconium (Zr)-Dissolved	<0.0030 *	<0.0030 *
Zirconium (Zr)-Dissolved	-	-
Special Request	-	-
* = Result Qualified		
IP = In Progress		
Applied Guideline:		
Color Key:		

ALS	L1720955-7	L1720955-8
1/14/2016	VA15165506R007 - INITIAL	VA15165506R008 - INITIAL
L1720955	1/7/2016 12:00:00 PM	1/7/2016 12:00:00 PM
Analyte	Water	Water
pH	6.74	7.4
Dissolved Mercury Filtration Location	FIELD	FIELD
Dissolved Metals Filtration Location	FIELD	FIELD
Aluminum (Al)-Dissolved	<0.020 *	<0.020 *
Aluminum (Al)-Dissolved	-	-
Antimony (Sb)-Dissolved	0.0015 *	0.0203 *
Antimony (Sb)-Dissolved	-	-
Arsenic (As)-Dissolved	0.0073 *	0.0133 *
Arsenic (As)-Dissolved	-	-
Barium (Ba)-Dissolved	0.0566 *	0.0425 *
Barium (Ba)-Dissolved	-	-
Beryllium (Be)-Dissolved	<0.0010 *	<0.0010 *
Beryllium (Be)-Dissolved	-	-
Bismuth (Bi)-Dissolved	<0.00050 *	<0.00050 *
Bismuth (Bi)-Dissolved	-	-
Boron (B)-Dissolved	0.45 *	0.77 *
Boron (B)-Dissolved	-	-
Cadmium (Cd)-Dissolved	0.00233 *	0.00152 *
Cadmium (Cd)-Dissolved	-	-
Calcium (Ca)-Dissolved	713 *	609 *
Calcium (Ca)-Dissolved	-	-
Cesium (Cs)-Dissolved	0.00329 *	0.00076 *
Cesium (Cs)-Dissolved	-	-
Chromium (Cr)-Dissolved	<0.0010 *	<0.0010 *
Chromium (Cr)-Dissolved	-	-
Cobalt (Co)-Dissolved	0.0059 *	0.0074 *
Cobalt (Co)-Dissolved	-	-
Copper (Cu)-Dissolved	0.0046 *	0.0072 *
Copper (Cu)-Dissolved	-	-
Iron (Fe)-Dissolved	0.35 *	0.91 *
Iron (Fe)-Dissolved	-	-
Lead (Pb)-Dissolved	<0.00050 *	0.00356 *
Lead (Pb)-Dissolved	-	-
Lithium (Li)-Dissolved	0.132 *	0.032 *
Lithium (Li)-Dissolved	-	-
Magnesium (Mg)-Dissolved	39.8 *	28.2 *
Magnesium (Mg)-Dissolved	-	-
Manganese (Mn)-Dissolved	0.401 *	0.818 *
Manganese (Mn)-Dissolved	-	-
Mercury (Hg)-Dissolved	0.000034 *	0.000072 *
Mercury (Hg)-Dissolved	-	-
Molybdenum (Mo)-Dissolved	<0.00050 *	0.00163 *
Molybdenum (Mo)-Dissolved	-	-
Nickel (Ni)-Dissolved	<0.0050 *	<0.0050 *
Nickel (Ni)-Dissolved	-	-
Phosphorus (P)-Dissolved	<0.50 *	<0.50 *
Phosphorus (P)-Dissolved	-	-

ALS	L1720955-7	L1720955-8
1/14/2016	VA15165506R007 - INITIAL	VA15165506R008 - INITIAL
L1720955	1/7/2016 12:00:00 PM	1/7/2016 12:00:00 PM
Analyte	Water	Water
Potassium (K)-Dissolved	13.3 *	11.8 *
Potassium (K)-Dissolved	-	-
Rubidium (Rb)-Dissolved	0.0221 *	0.0071 *
Rubidium (Rb)-Dissolved	-	-
Selenium (Se)-Dissolved	0.215 *	0.0423 *
Selenium (Se)-Dissolved	-	-
Silicon (Si)-Dissolved	9.22 *	6.86 *
Silicon (Si)-Dissolved	-	-
Silver (Ag)-Dissolved	0.00011 *	0.00045 *
Silver (Ag)-Dissolved	-	-
Sodium (Na)-Dissolved	6.88 *	7.10 *
Sodium (Na)-Dissolved	-	-
Strontium (Sr)-Dissolved	1.51 *	1.19 *
Strontium (Sr)-Dissolved	-	-
Sulfur (S)-Dissolved	847 *	646 *
Sulfur (S)-Dissolved	-	-
Tellurium (Te)-Dissolved	<0.0020 *	<0.0020 *
Tellurium (Te)-Dissolved	-	-
Thallium (Tl)-Dissolved	0.00027 *	<0.00010 *
Thallium (Tl)-Dissolved	-	-
Thorium (Th)-Dissolved	<0.0010 *	<0.0010 *
Thorium (Th)-Dissolved	-	-
Tin (Sn)-Dissolved	<0.0010 *	<0.0010 *
Tin (Sn)-Dissolved	-	-
Titanium (Ti)-Dissolved	<0.0030 *	<0.0030 *
Titanium (Ti)-Dissolved	-	-
Tungsten (W)-Dissolved	<0.0010 *	<0.0010 *
Tungsten (W)-Dissolved	-	-
Uranium (U)-Dissolved	0.00010 *	0.00043 *
Uranium (U)-Dissolved	-	-
Vanadium (V)-Dissolved	<0.0050 *	<0.0050 *
Vanadium (V)-Dissolved	-	-
Zinc (Zn)-Dissolved	<0.010 *	0.019 *
Zinc (Zn)-Dissolved	-	-
Zirconium (Zr)-Dissolved	<0.0030 *	<0.0030 *
Zirconium (Zr)-Dissolved	-	-
Special Request	-	-
* = Result Qualified		
IP = In Progress		
Applied Guideline:		
Color Key:		

ALS	L1720955-9
1/14/2016	VA15165506R009 - INITIAL
L1720955	1/7/2016 12:00:00 PM
Analyte	Water
pH	7.32
Dissolved Mercury Filtration Location	FIELD
Dissolved Metals Filtration Location	FIELD
Aluminum (Al)-Dissolved	<0.020 *
Aluminum (Al)-Dissolved	-
Antimony (Sb)-Dissolved	0.0136 *
Antimony (Sb)-Dissolved	-
Arsenic (As)-Dissolved	0.0178 *
Arsenic (As)-Dissolved	-
Barium (Ba)-Dissolved	0.0592 *
Barium (Ba)-Dissolved	-
Beryllium (Be)-Dissolved	<0.0010 *
Beryllium (Be)-Dissolved	-
Bismuth (Bi)-Dissolved	<0.00050 *
Bismuth (Bi)-Dissolved	-
Boron (B)-Dissolved	0.88 *
Boron (B)-Dissolved	-
Cadmium (Cd)-Dissolved	0.00341 *
Cadmium (Cd)-Dissolved	-
Calcium (Ca)-Dissolved	614 *
Calcium (Ca)-Dissolved	-
Cesium (Cs)-Dissolved	0.00210 *
Cesium (Cs)-Dissolved	-
Chromium (Cr)-Dissolved	<0.0010 *
Chromium (Cr)-Dissolved	-
Cobalt (Co)-Dissolved	0.0140 *
Cobalt (Co)-Dissolved	-
Copper (Cu)-Dissolved	0.0109 *
Copper (Cu)-Dissolved	-
Iron (Fe)-Dissolved	0.25 *
Iron (Fe)-Dissolved	-
Lead (Pb)-Dissolved	0.00132 *
Lead (Pb)-Dissolved	-
Lithium (Li)-Dissolved	0.047 *
Lithium (Li)-Dissolved	-
Magnesium (Mg)-Dissolved	33.2 *
Magnesium (Mg)-Dissolved	-
Manganese (Mn)-Dissolved	0.731 *
Manganese (Mn)-Dissolved	-
Mercury (Hg)-Dissolved	0.000040 *
Mercury (Hg)-Dissolved	-
Molybdenum (Mo)-Dissolved	0.00144 *
Molybdenum (Mo)-Dissolved	-
Nickel (Ni)-Dissolved	<0.0050 *
Nickel (Ni)-Dissolved	-
Phosphorus (P)-Dissolved	<0.50 *
Phosphorus (P)-Dissolved	-

ALS	L1720955-9
1/14/2016	VA15165506R009 - INITIAL
L1720955	1/7/2016 12:00:00 PM
Analyte	Water
Potassium (K)-Dissolved	13.0 *
Potassium (K)-Dissolved	-
Rubidium (Rb)-Dissolved	0.0174 *
Rubidium (Rb)-Dissolved	-
Selenium (Se)-Dissolved	0.0875 *
Selenium (Se)-Dissolved	-
Silicon (Si)-Dissolved	9.10 *
Silicon (Si)-Dissolved	-
Silver (Ag)-Dissolved	0.00014 *
Silver (Ag)-Dissolved	-
Sodium (Na)-Dissolved	22.6 *
Sodium (Na)-Dissolved	-
Strontium (Sr)-Dissolved	1.22 *
Strontium (Sr)-Dissolved	-
Sulfur (S)-Dissolved	641 *
Sulfur (S)-Dissolved	-
Tellurium (Te)-Dissolved	<0.0020 *
Tellurium (Te)-Dissolved	-
Thallium (Tl)-Dissolved	<0.00010 *
Thallium (Tl)-Dissolved	-
Thorium (Th)-Dissolved	<0.0010 *
Thorium (Th)-Dissolved	-
Tin (Sn)-Dissolved	<0.0010 *
Tin (Sn)-Dissolved	-
Titanium (Ti)-Dissolved	<0.0030 *
Titanium (Ti)-Dissolved	-
Tungsten (W)-Dissolved	<0.0010 *
Tungsten (W)-Dissolved	-
Uranium (U)-Dissolved	0.00038 *
Uranium (U)-Dissolved	-
Vanadium (V)-Dissolved	<0.0050 *
Vanadium (V)-Dissolved	-
Zinc (Zn)-Dissolved	0.014 *
Zinc (Zn)-Dissolved	-
Zirconium (Zr)-Dissolved	<0.0030 *
Zirconium (Zr)-Dissolved	-
Special Request	-
* = Result Qualified	
IP = In Progress	
Applied Guideline:	
Color Key:	

Appendix B – Rock Chip & Soil Sample Descriptions & Locations

Rock sample descriptions (Bureau Veritas samples)

Field Station No.	Elev (m) from GE	Elev (ft) from GE	GPS Elev. (ft)	UTM E	UTM N	Lab. No.	Lab. Sample	Material	Sample type	Width	Date
2015-013B	1168	3,832	3,835	432769	6232137	VA15166146	2015-013b	Rock	Chip	20 cm	22-Sep-15
2015-013B	1168	3,832	3,835	432769	6232137	VA15166146	2015-013B	Rock	Chip	20 cm	22-Sep-15
2015-059	789	2,589	2,572	433236	6231300	VAN15002930	2015-059A	Rock	Chip	30 cm	24-Sep-15
2015-059	789	2,589	2,572	433236	6231300	VAN15002930	2015-059B	Rock	Chip	30 cm	24-Sep-15
2015-059	789	2,589	2,572	433236	6231300	VAN15003280	2015-059C	Rock	Chip	30 cm	24-Sep-15

Rock sample descriptions (Bureau Veritas samples)

Field Station No.	Tenure No.	Terrain
2015-013B	516120	Steep Hillside
2015-013B	516120	Steep Hillside
2015-059	515633	Flat dry lake bed rocky
2015-059	515633	Flat dry lake bed rocky
2015-059	515633	Flat dry lake bed rocky

Rock sample descriptions (Bureau Veritas samples)

Field Station No.	Rock type	Alteration & Mineralization
2015-013B	andesitic tuff-flow	sericite, pyrite
2015-013B	andesitic tuff-flow	sericite, pyrite
2015-059	andesitic tuff-flow	quartz, sericite, pyrite, pyrrhotite, chalcopyrite (Yom Kippur showing)
2015-059	andesitic tuff-flow	quartz, sericite, pyrite, pyrrhotite, chalcopyrite (Yom Kippur showing)
2015-059	andesitic tuff-flow	quartz, sericite, pyrite, pyrrhotite, chalcopyrite (Yom Kippur showing)

Rock sample descriptions (Bureau Veritas samples)

Field Station No.	Ag ppm (FA550)	Au ppm (FA550)	Au PPB (AQ250)	Ag PPB (AQ250)	As PPM (AQ250)	Cd PPM (AQ250)	Co PPM (AQ250)	Cr PPM (AQ250)	Cu PPM (AQ250)	Fe % (AQ250)	Mn PPM (AQ250)	Mo PPM (AQ250)
2015-013B	<50	2.3	975.7	46156	114.1	32.21	152	2.9	1788.1	39.92	3566	2.5
2015-013B	<50	2.5	3187.1	53029	766.5	24.08	170.2	4.2	991.55	38.77	2029	2.44
2015-059	<50	1.6	958.6	10549	10.9	1.63	322.7	1.8	4284.35	39.85	658	113.82
2015-059	<50	2.3	1697	6984	11.8	0.78	353.9	1.3	1188.75	>40.00	583	40.83
2015-059	<50	7.1	5079.6	8171	1.4	0.94	392.9	2.2	2787.08	35.84	518	37.61

Rock sample descriptions (Bureau Veritas samples)

Field Station No.	Ni PPM (AQ250)	Pb PPM (AQ250)	S % (AQ250)	Sb PPM (AQ250)	Zn PPM (AQ250)
2015-013B	21.4	2322.58	>10.00	11.31	1688.3
2015-013B	20.3	2522.01	>10.00	15.4	1333.4
2015-059	176.7	188.15	>10.00	4.49	126.7
2015-059	186.4	114.03	>10.00	5.93	83.5
2015-059	164.9	102.95	>10.00	7.6	70.8

Soil Sample Descriptions

Sample No.	Elev. M. from GE	Elev. Ft. from GE	Elev. Ft. from GPS	UTM Easting	UTM Northing	Lab. No.	Type	Date	Depth of Sample cm
2015-031	786	2,579	2550	433195	6231258	VA15165510	Soil	22-Sep-15	10
2015-032	786	2,579	2553	433197	6231254	VA15165510	Soil	22-Sep-15	10
2015-033	786	2,579	2552	433195	6231254	VA15165510	Soil	22-Sep-15	10
2015-034	786	2,579	2556	433208	6231310	VA15165510	Soil	22-Sep-15	10
2015-035	787	2,582	2563	433219	6231328	VA15165510	Soil	22-Sep-15	8
2015-036	787	2,582	2557	433231	6231344	VA15165510	Soil	22-Sep-15	10
2015-037	787	2,582	2557	433254	6231383	VA15165510	Soil	22-Sep-15	10
2015-038	786	2,579	2551	433265	6231405	VA15165510	Soil	22-Sep-15	10
2015-039	786	2,579	2580	433267	6231417	VA15165510	Soil	22-Sep-15	10
2015-040	786	2,579	2541	433269	6231433	VA15165510	Soil	22-Sep-15	5
2015-041	788	2,585	2544	433297	6231454	VA15165510	Soil	22-Sep-15	10
2015-042	787	2,582	2552	433306	6231469	VA15165510	Soil	22-Sep-15	10
2015-043	786	2,579	2552	433313	6231478	VA15165510	Soil	22-Sep-15	10
2015-044	788	2,585	2554	433286	6231445	VA15165510	Soil	22-Sep-15	10
2015-045	786	2,579	2568	433215	6231270	VA15165510	Soil	24-Sep-15	8
2015-046	787	2,582	2571	433220	6231279	VA15165510	Soil	24-Sep-15	10
2015-047	788	2,585	2571	433225	6231288	VA15165510	Soil	24-Sep-15	10
2015-048	789	2,589	2567	433230	6231297	VA15165510	Soil	24-Sep-15	10
2015-049	790	2,592	2564	433236	6231303	VA15165510	Soil	24-Sep-15	10
2015-050	791	2,595	2568	433236	6231309	VA15165510	Soil	24-Sep-15	10
2015-051	790	2,592	2563	433236	6231316	VA15165510	Soil	24-Sep-15	8
2015-052	791	2,595	2556	433241	6231319	VA15165510	Soil	24-Sep-15	10
2015-053	791	2,595	2559	433243	6231328	VA15165510	Soil	24-Sep-15	10
2015-054	791	2,595	2569	433247	6231337	VA15165510	Soil	24-Sep-15	10
2015-055	790	2,592	2557	433248	6231346	VA15165510	Soil	24-Sep-15	10

Soil Sample Descriptions

Sample No.	Material	Horizon	Texture	Terrain
2015-031	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-032	Glacial Till and fine sandy sediments	A	Poorly sorted	Flat - lake bed
2015-033	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-034	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-035	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-036	Coarse sandy sediments pebbles and silt	A	Pebbly	Flat - lake bed
2015-037	Glacial Till and fine sandy sediments	A	Poorly sorted	Flat - lake bed
2015-038	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-039	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-040	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-041	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-042	Coarse sandy sediments and silt	A	Stratified	Flat - lake bed
2015-043	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-044	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-045	Glacial Till and fine sandy sediments	A	Poorly sorted	Flat - lake bed
2015-046	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-047	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-048	Glacial Till and fine sandy sediments	A	Poorly sorted	Flat - lake bed
2015-049	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-050	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-051	Glacial Till and fine sandy sediments	A	Poorly sorted	Flat - lake bed
2015-052	Coarse sandy sediments and silt	A	coarse sandy	Flat - lake bed
2015-053	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-054	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed
2015-055	Glacial Till and fine sandy sediments	A	Pebbly	Flat - lake bed

Soil Sample Descriptions

Sample No.	Other	Au ppb	Ag ppm	As ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm
2015-031	medium and large rocks removed	37.4	1.215	126.5	2.22	24	34.7	146	5.1	0.057
2015-032	medium and large rocks removed	1415	7.28	1285	31.6	149	18.3	910	15.35	0.238
2015-033	medium and large rocks removed	620	2.36	296	2.51	25.4	20.4	237	5.78	0.063
2015-034	medium and large rocks removed	36.7	1.18	123	2.34	22.2	29	143	4.54	0.066
2015-035	medium and large rocks removed	18.3	1.29	131.5	2.43	26	36.1	160.5	5.17	0.079
2015-036	medium and large rocks removed	59	1.255	152	1.115	20.3	29.8	122	4.9	0.061
2015-037	medium and large rocks removed	46.8	1.35	149	3.1	28.3	35.3	172	5.29	0.086
2015-038	medium and large rocks removed	22.2	1.015	104	2.48	22.9	33.3	134.5	4.85	0.073
2015-039	medium and large rocks removed	26.5	1.17	127.5	2.62	25.3	33.8	143.5	4.96	0.077
2015-040	medium and large rocks removed	63.7	1.615	173	2.46	34.8	40.3	205	5.75	0.105
2015-041	moss included sandy	23.5	1.04	106.5	2.14	23.5	35.3	130.5	4.76	0.075
2015-042	medium and large rocks removed	21.2	0.911	107.5	2.04	21.9	34.3	138.5	4.76	0.066
2015-043	medium and large rocks removed	19.4	1.035	121	2.32	24.8	39.6	146	5.24	0.073
2015-044	medium and large rocks removed	15	1.14	127.5	2.68	26.8	43.4	148	5.49	0.082
2015-045	medium and large rocks removed	18.3	1.235	132.5	2.55	28.7	45.5	152	5.61	0.091
2015-046	moss included sandy	16.6	1.1	121	2.33	24.9	35.8	156.5	5	0.08
2015-047	medium and large rocks removed	17.2	1.54	139	2.65	31.8	44.7	165	5.67	0.087
2015-048	medium and large rocks removed	35.5	1.45	138	2.76	30.2	43.3	162.5	5.3	0.079
2015-049	medium and large rocks removed	209	1.43	124	2.3	31.3	44.4	176.5	6	0.071
2015-050	medium and large rocks removed	32.5	1.03	112.5	2.08	25.4	38.4	144.5	4.81	0.068
2015-051	medium and large rocks removed	30.5	1.255	121	2.54	28	39.7	149	4.98	0.067
2015-052	medium and large rocks removed	24.2	1.19	117.5	2.11	25.6	40	144	4.92	0.059
2015-053	medium and large rocks removed	48.5	1.205	113	2.47	27.8	45.4	145	5.22	0.068
2015-054	medium and large rocks removed	31.5	1.27	124	2.43	27.8	42.2	145.5	5.17	0.065
2015-055	medium and large rocks removed	15.7	1.21	118.5	2.65	29.4	48.4	153	5.66	0.068

Soil Sample Descriptions

Sample No.	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	S %	Sb ppm	Zn ppm
2015-031	1200	4.81	0.014	30.4	85.7	0.04	3.74	187.5
2015-032	1200	23.1	0.007	25.4	467	9.87	29.5	2170
2015-033	868	12.5	0.01	11.05	149	0.37	7.57	235
2015-034	1250	4.49	0.012	27	79.2	0.04	3.66	168
2015-035	1440	4.77	0.014	36.6	91	0.04	3.9	200
2015-036	958	5.75	0.012	22	83	0.04	4.51	139.5
2015-037	1560	5.84	0.013	35	116.5	0.03	4.43	214
2015-038	1410	3.7	0.012	30.7	70.1	0.04	3.21	167.5
2015-039	1460	4.51	0.014	32.6	82.5	0.03	3.61	177
2015-040	1560	7.5	0.013	38.5	164.5	0.02	4.82	204
2015-041	1170	3.59	0.012	31.4	69.9	0.04	3.39	164.5
2015-042	1150	3.42	0.013	30.8	65.9	0.04	3.32	165
2015-043	1340	3.89	0.014	38.7	85.9	0.04	3.58	197
2015-044	1480	4.53	0.014	44.2	91.5	0.02	3.82	212
2015-045	1450	4.36	0.016	45.4	92.7	0.03	3.74	224
2015-046	1390	3.83	0.013	35.3	83.8	0.04	3.77	176.5
2015-047	1460	5.6	0.015	36.8	102	0.04	4.61	214
2015-048	1430	5.18	0.015	38.1	104.5	0.04	4.24	210
2015-049	1420	5.69	0.016	38.8	93.6	0.04	3.92	193
2015-050	1205	4.35	0.012	32.1	81.3	0.04	3.87	172
2015-051	1440	4.27	0.014	33.8	83	0.04	3.71	184.5
2015-052	1205	3.68	0.014	34.1	79.1	0.05	3.82	185
2015-053	1360	4.02	0.015	40.3	85.8	0.03	3.83	201
2015-054	1325	4.27	0.014	37.6	88.8	0.04	3.86	196
2015-055	1685	4.76	0.016	42.7	89.5	0.03	3.66	220

Rock sample descriptions (ALS samples)

Field Station No.	Elev (m) from GE	Elev (ft) from GE	GPS Elev. (ft)	UTM E	UTM N	Lab. No.	Lab. Sample	Material	Sample type	Width	Date
2015-001	965	3166	3165	433044	6232922	VA15165505	2015-001	Rock	Chip	20 cm	20-Sep-15
2015-002	934	3064	3065	433064	6232982	VA15165505	2015-002	Rock	Chip	15 cm	20-Sep-15
2015-003	1013	3323	3315	432893	6232932	VA15165505	2015-003	Rock	Chip	10 cm	20-Sep-15
2015-004	1040	3412	3404	432904	6232890	VA15165505	2015-004	Rock	Chip	25 cm	20-Sep-15
2015-005	1067	3501	3498	432899	6232740	VA15165505	2015-005	Rock	Chip	10 cm	20-Sep-15
2015-006	1039	3409	3405	432952	6232707	VA15165505	2015-006	Rock	Chip	15 cm	20-Sep-15
2015-007	862	2828	2826	433224	6232842	VA15165505	2015-007	Rock	Chip	15 cm	20-Sep-15
2015-008	948	3110	3092	432765	6233187	VA15165505	2015-008	Rock	Chip	18 cm	20-Sep-15
2015-009	983	3225	3222	432614	6233163	VA15165505	2015-009	Rock	Chip	25 cm	20-Sep-15
2015-010	1094	3589	3586	432426	6233071	VA15165505	2015-010	Rock	Chip	15 cm	20-Sep-15
2015-011	871	2858	2869	433221	6232563	VA15165505	2015-011	Rock	Chip	15 cm	22-Sep-15
2015-012	932	3058	3053	433149	6232577	VA15165505	2015-012	Rock	Chip	18 cm	22-Sep-15
2015-013	1158	3799	3805	432776	6232106	VA15166146	2015-013	Rock	Chip	25 cm	22-Sep-15
2015-013B	1168	3832	3835	432769	6232137	VA15166146	2015-013B	Rock	Chip	20 cm	22-Sep-15
2015-014	1212	3976	3977	432746	6232326	VA15165505	2015-014	Rock	Chip	15 cm	22-Sep-15
2015-016	1153	3783	3771	432815	6232285	VA15165505	2015-016	Rock	Chip	10 cm	22-Sep-15
2015-017	1164	3819	3815	432784	6232408	VA15165505	2015-017	Rock	Chip	15 cm	22-Sep-15
2015-018	1091	3579	3577	432856	6232564	VA15165505	2015-018	Rock	Chip	20 cm	22-Sep-15
2015-028	786	2579	2862	433150	6231561	VA15165505	2015-028	Rock	Chip	15 cm	22-Sep-15
2015-029	788	2585	2258	433274	6231411	VA15165505	2015-029	Rock	Chip	10 cm	22-Sep-15
2015-030	789	2589	2566	433284	6231405	VA15165505	2015-030	Rock	Chip	10 cm	22-Sep-15
2015-056	786	2579	2545	433202	6231261	VA15156204	2015-056	Rock	Chip	15 cm	24-Sep-15
2015-057	787	2582	2569	433224	6231291	VA15156204	2015-057	Rock	Chip	15 cm	24-Sep-15
2015-058	789	2589	2565	433229	6231300	VA15165505	2015-058	Rock	Chip	20 cm	24-Sep-15
2015-060	791	2595	2568	433238	6231316	VA15165505	2015-060	Rock	Chip	18 cm	24-Sep-15
2015-061	791	2595	2576	433239	6231322	VA15165505	2015-061	Rock	Chip	12 cm	24-Sep-15
2015-062	791	2595	2572	433241	6231328	VA15165505	2015-062	Rock	Chip	10 cm	24-Sep-15
2015-063	791	2595	2565	433247	6231331	VA15156204	2015-063	Rock	Chip	10 cm	24-Sep-15
2015-064	793	2602	2575	433251	6231311	VA15165505	2015-064	Rock	Chip	15 cm	24-Sep-15
UG-2015-101	840	2756	2713	433169	6232684	VA15165505	UG-2015-101	Rock	Chip	30 cm	22-Sep-15
UG-2015-102	840	2756	2713	433169	6232719	VA15165505	UG-2015-102	Rock	Chip	20 cm	22-Sep-15
UG-2015-103	840	2756	2713	433169	6232731	VA15165505	UG-2015-103	Rock	Chip	15 cm	22-Sep-15
UG-2015-104	840	2756	2713	433218	6232796	VA15165505	UG-2015-104	Rock	Chip	20 cm	22-Sep-15
UG-2015-105	840	2756	2713	433224	6232797	VA15165505	UG-2015-105	Rock	Chip	15 cm	22-Sep-15

Rock sample descriptions (ALS samples)

Field Station No.	Tenure No.	Terrain	Rock type
2015-001	515878	Steep Hillside	andesitic tuff-flow
2015-002	515878	Steep Hillside	andesitic tuff-flow
2015-003	515878	Steep Hillside	andesitic tuff-flow
2015-004	515878	Steep Hillside	andesitic tuff-flow
2015-005	515878	Steep Hillside	andesitic tuff-flow
2015-006	515878	Steep Hillside	andesitic tuff-flow
2015-007	515878	Steep Hillside	andesitic tuff-flow
2015-008	515878	Steep Hillside	andesitic tuff-flow
2015-009	515878	Steep Hillside	andesitic tuff-flow
2015-010	515878	Steep Hillside	andesitic tuff-flow
2015-011	515878	Steep Hillside	andesitic tuff-flow
2015-012	515878	Steep Hillside	andesitic tuff-flow
2015-013	515878	Steep Hillside	andesitic tuff-flow
2015-013B	516120	Steep Hillside	andesitic tuff-flow
2015-014	516120	Steep Hillside	andesitic tuff-flow
2015-016	516120	Steep Hillside	andesitic tuff-flow
2015-017	516120	Steep Hillside	andesitic tuff-flow
2015-018	515878	Steep Hillside	andesitic tuff-flow
2015-028	515633	Steep Hillside	andesitic tuff-flow
2015-029	515633	Steep Hillside	andesitic tuff-flow
2015-030	515633	Flat dry lake bed rocky	andesitic tuff-flow
2015-056	515633	Flat dry lake bed rocky	andesitic tuff-flow
2015-057	515633	Flat dry lake bed rocky	andesitic tuff-flow
2015-058	515633	Flat dry lake bed rocky	andesitic tuff-flow
2015-060	515633	Flat dry lake bed rocky	andesitic tuff-flow
2015-061	515633	Flat dry lake bed rocky	andesitic tuff-flow
2015-062	515633	Flat dry lake bed rocky	andesitic tuff-flow
2015-063	515633	Flat dry lake bed rocky	andesitic tuff-flow
2015-064	515633	Flat dry lake bed rocky	andesitic tuff-flow
UG-2015-101	515878	Tunnel	andesitic tuff-flow
UG-2015-102	515878	Tunnel	Quartz vein
UG-2015-103	515878	Tunnel	Mineralized Vein
UG-2015-104	515878	Tunnel	Mineralized Vein
UG-2015-105	515878	Vein ?	Mineralized Vein

Rock sample descriptions (ALS samples)

Field Station No.	Alteration & Mineralization	Au ppm (ME-GRA21)	Ag ppm (ME-GRA21)	Au ppm (Au-GRA21)
2015-001	quartz, sericite, pyrite, chalcopyrite, sphalerite, galena, aresenopyrite			
2015-002	sericite, pyrite			
2015-003	sericite, pyrite			
2015-004	sericite, pyrite			
2015-005	sericite, pyrite			
2015-006	sericite, pyrite			
2015-007	sericite, pyrite			
2015-008	sericite, pyrite			
2015-009	sericite, pyrite			
2015-010	sericite, pyrite			
2015-011	sericite, pyrite			
2015-012	sericite, pyrite			
2015-013	quartz, sericite, pyrite, pyrrhotite, chalcopyrite, sphalerite, galena, aresenopyrite	3.77	41	
2015-013B	sericite, pyrite	2.16	54	
2015-014	sericite, pyrite	0.07	<5	
2015-016	sericite, pyrite			
2015-017	sericite, pyrite			
2015-018	sericite, pyrite			
2015-028	sericite, pyrite			
2015-029	sericite, pyrite			
2015-030	sericite, pyrite			
2015-056	sericite, pyrite	<0.05	<5	
2015-057	sericite, pyrite	0.09	9	
2015-058	sericite, pyrite			
2015-060	sericite, pyrite			
2015-061	sericite, pyrite			
2015-062	sericite, pyrite			
2015-063	quartz, sericite, pyrite, pyrrhotite, arsenopyrite	1.07	36	
2015-064	quartz, sericite, pyrite, pyrrhotite, chalcopyrite, arsenopyrite	19	20	19.05
UG-2015-101	sericite, pyrite			
UG-2015-102	sericite, pyrite			
UG-2015-103	sericite, pyrite			
UG-2015-104	sericite, pyrite			
UG-2015-105	sericite, pyrite			

Rock sample descriptions (ALS samples)

Field Station No.	Au ppm (Au-ICP21)	Au ppb (Au-ICP21)	Ag ppm (ME-ICP41)	As ppm (ME-ICP41)	Cd ppm (ME-ICP41)	Co ppm (ME-ICP41)	Cu ppm (ME-ICP41)	Fe % (ME-ICP41)	Mn ppm (ME-ICP41)	Mo ppm (ME-ICP41)	Pb ppm (ME-ICP41)	S % (ME-ICP41)
2015-001	1.64	1640	14.2	1050	8.1	73	1045	27.1	2430	31	1235	8.05
2015-002	0.068	68	18.3	117	148.5	133	1675	21.5	2060	10	911	>10.0
2015-003	0.072	72	14.9	243	3.2	300	3340	43.7	763	41	66	>10.0
2015-004	0.124	124	8.2	231	7.4	142	1485	18.2	2400	20	115	>10.0
2015-005	0.018	18	1.4	32	2	3	49	2.18	4600	2	253	0.73
2015-006	0.029	29	2.2	30	4.8	36	228	9.74	1490	15	190	4.45
2015-007	0.145	145	1.8	140	0.8	18	949	3.8	731	2	35	2.02
2015-008	0.017	17	0.9	28	2.1	42	349	7.34	858	3	182	1.16
2015-009	0.011	11	0.4	29	<0.5	26	62	6.01	856	<1	44	1.54
2015-010	6.74	6740	26.4	2170	1.7	33	584	28.6	1230	30	828	1.47
2015-011	0.845	845	9.5	1825	148.5	55	722	17.4	1905	32	273	9.06
2015-012	2.05	2050	4.1	68	24.6	12	125	4.01	3900	1	564	1.46
2015-013			50.3	1290	31.2	282	1250	43.8	1490	2	2100	>10.0
2015-013B			48.7	717	22.5	163	3750	34.6	3190	4	1780	>10.0
2015-014			1.4	239	5.7	2	25	2.4	15050	<1	42	0.23
2015-016	0.021	21	2.6	37	19.4	10	224	14.5	4800	4	132	1.69
2015-017	0.036	36	0.7	27	0.8	44	480	4.33	166	2	78	2.76
2015-018	0.01	10	0.2	4	0.6	14	73	2.69	278	1	33	0.53
2015-028	1.505	1505	5.7	1010	12.5	135	561	31.2	1380	21	516	5.94
2015-029	0.018	18	0.4	94	<0.5	30	154	7.72	180	2	58	7.17
2015-030	0.008	8	0.7	17	<0.5	17	136	3.48	399	2	19	1.27
2015-056			0.3	9	<0.5	19	97	5.35	871	1	7	1.44
2015-057			7.1	298	<0.5	66	484	11.95	821	44	17	>10.0
2015-058	0.001	1	0.4	7	0.8	13	70	1.82	183	4	82	0.91
2015-060	0.049	49	0.5	23	<0.5	19	162	5.58	601	2	33	2.16
2015-061	0.005	5	<0.2	11	<0.5	20	102	5.76	1120	1	25	0.42
2015-062	0.02	20	1.7	12	<0.5	137	1130	14.5	515	1	41	9.96
2015-063			35.7	3000	6.7	23	210	13	572	3	457	6.5
2015-064	>10.0	19050	18.5	>10000	<0.5	2800	2350	31.8	591	10	27	>10.0
UG-2015-101	0.024	24	1.2	36	1	32	260	8.22	1035	5	251	1.42
UG-2015-102	0.03	30	1	13	<0.5	18	173	4.64	659	12	281	0.99
UG-2015-103	0.025	25	2.2	8	1.8	25	500	4.06	433	58	332	2.11
UG-2015-104	0.008	8	0.8	15	<0.5	24	212	5.4	554	3	162	3.12
UG-2015-105	<0.001		0.4	2	<0.5	17	148	4.05	482	1	138	1.13

Rock sample descriptions (ALS samples)

Field Station No.	Sb ppm (ME-ICP41)	Zn ppm (ME-ICP41)
2015-001	18	1000
2015-002	2	>10000
2015-003	7	275
2015-004	15	468
2015-005	3	145
2015-006	5	375
2015-007	6	47
2015-008	<2	192
2015-009	<2	39
2015-010	38	429
2015-011	58	9990
2015-012	6	1885
2015-013	6	2270
2015-013B	9	1635
2015-014	7	388
2015-016	<2	1385
2015-017	<2	52
2015-018	2	38
2015-028	21	1325
2015-029	3	23
2015-030	4	38
2015-056	2	90
2015-057	13	40
2015-058	2	63
2015-060	6	46
2015-061	3	80
2015-062	3	47
2015-063	72	566
2015-064	22	30
UG-2015-101	4	70
UG-2015-102	3	38
UG-2015-103	4	148
UG-2015-104	<2	53
UG-2015-105	2	27

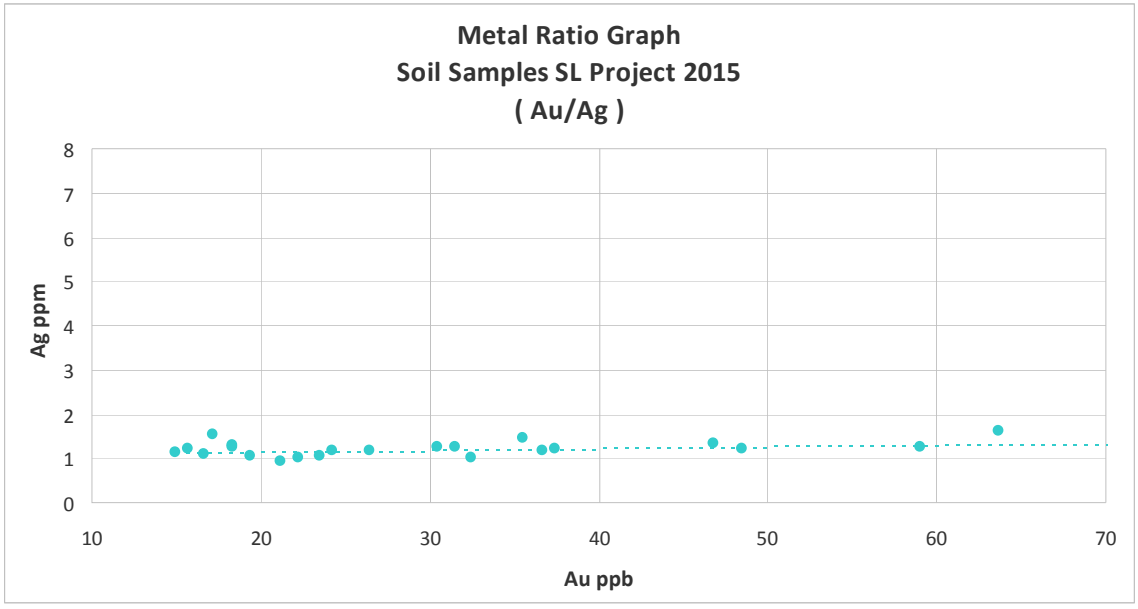
Tailings sample descriptions (ALS samples)

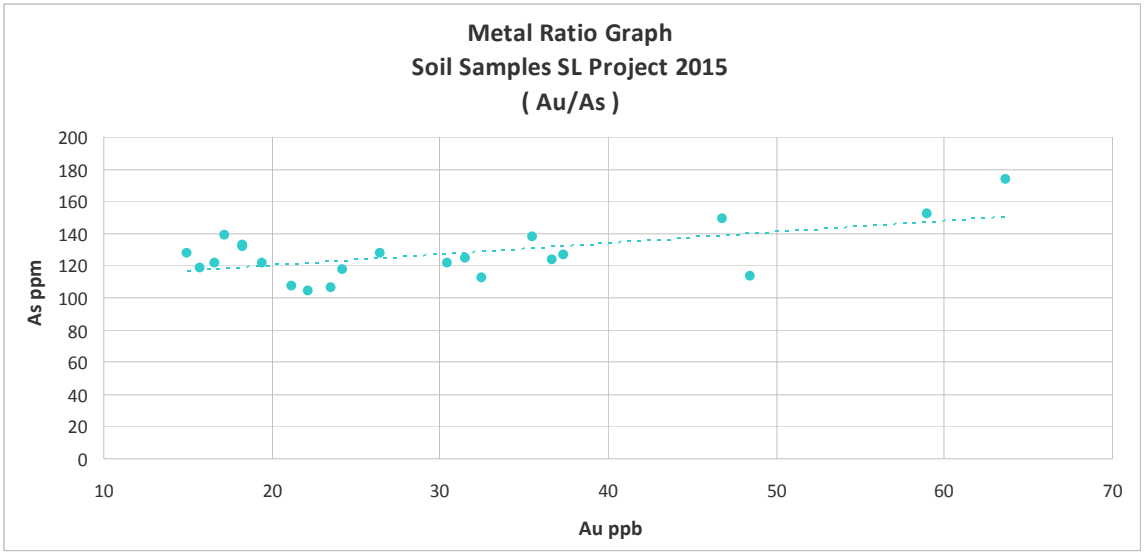
Station No.	Sample Type	Elev. (m.) from GPS	Elev. (ft.) from GPS	UTM Easting	UTM Northing	Date	Depth (cm.)	Material	Horizon	Sample No.
2015-019	tailings	777	2565	433130	6231605	22-Sep-15	15	Unconsolidated	A	VA15165506R1
2015-020	tailings	776	2562	433131	6231620	22-Sep-15	20	Unconsolidated	A+B+C	VA15165506R2
2015-021	tailings	775	2558	433141	6231618	22-Sep-15	20	Unconsolidated	A+B+C	VA15165506R3
2015-022	tailings	775	2558	433151	6231605	22-Sep-15	15	Unconsolidated	A+B	VA15165506R4
2015-023	tailings	773	2552	433155	6231596	22-Sep-15	10	Unconsolidated	A	VA15165506R5
2015-024	tailings	772	2549	433156	6231587	22-Sep-15	15	Unconsolidated	A+B	VA15165506R6
2015-026	tailings	767	2533	433145	6231576	22-Sep-15	10	Unconsolidated	A	VA15165506R7
2015-027	tailings	767	2533	433141	6231589	22-Sep-15	15	Unconsolidated	A+B	VA15165506R8
2015-027	tailings	767	2533	433141	6231589	22-Sep-15	15	Unconsolidated	A+B	VA15165506R9

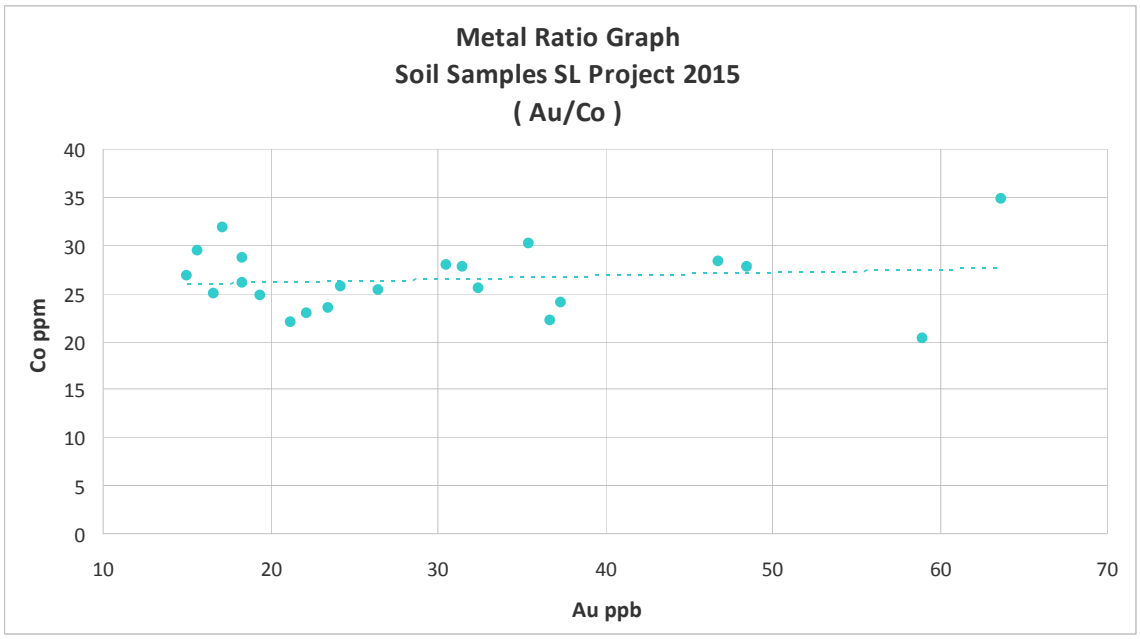
Tailings sample descriptions (ALS samples)

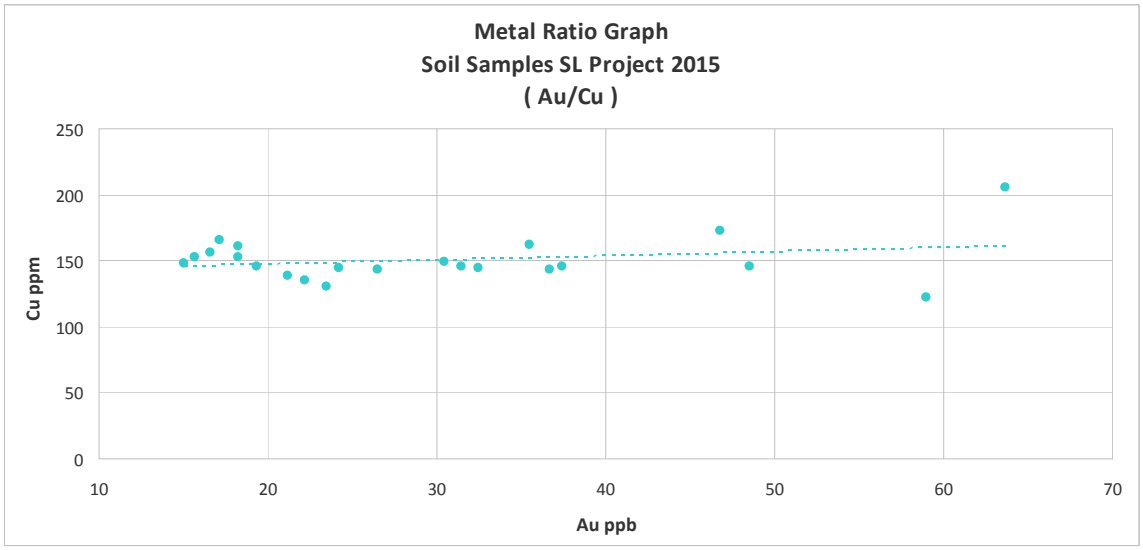
Station No.	Texture	Terrain	Other Observations
2015-019	Crusty and Fine Sandy	Flat	Oxidized Surface layer
2015-020	Crusty and Fine Sandy	Flat	Oxidized Surface layer - partially oxidized layer + grey layer
2015-021	Crusty and Fine Sandy	Flat	Oxidized Surface layer - partially oxidized layer + grey layer
2015-022	Crusty and Fine Sandy	Flat	Oxidized Surface layer + partially oxidized layer
2015-023	Fine Sandy	Flat	Oxidized Surface layer
2015-024	Fine Sandy	Flat	Oxidized Surface layer + partially oxidized layer
2015-026	Fine Sandy	Flat	Oxidized Surface layer
2015-027	Fine Sandy	Flat	Oxidized Surface layer + partially oxidized layer
2015-027	Fine Sandy	Flat	Oxidized Surface layer + partially oxidized layer

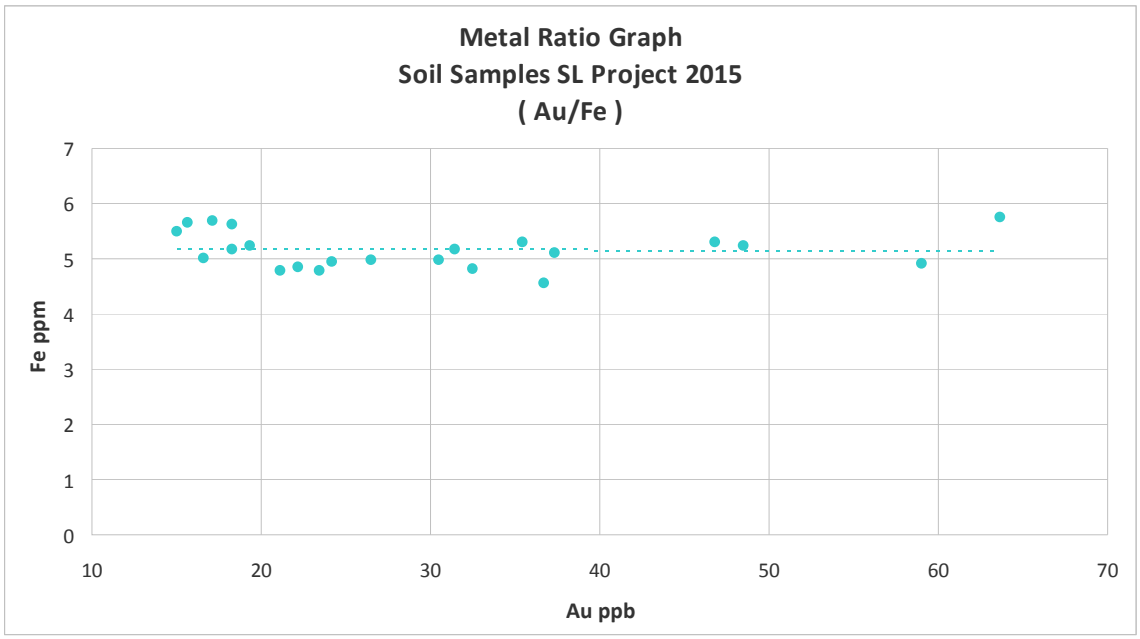
Appendix C – Metal Ratio graphs

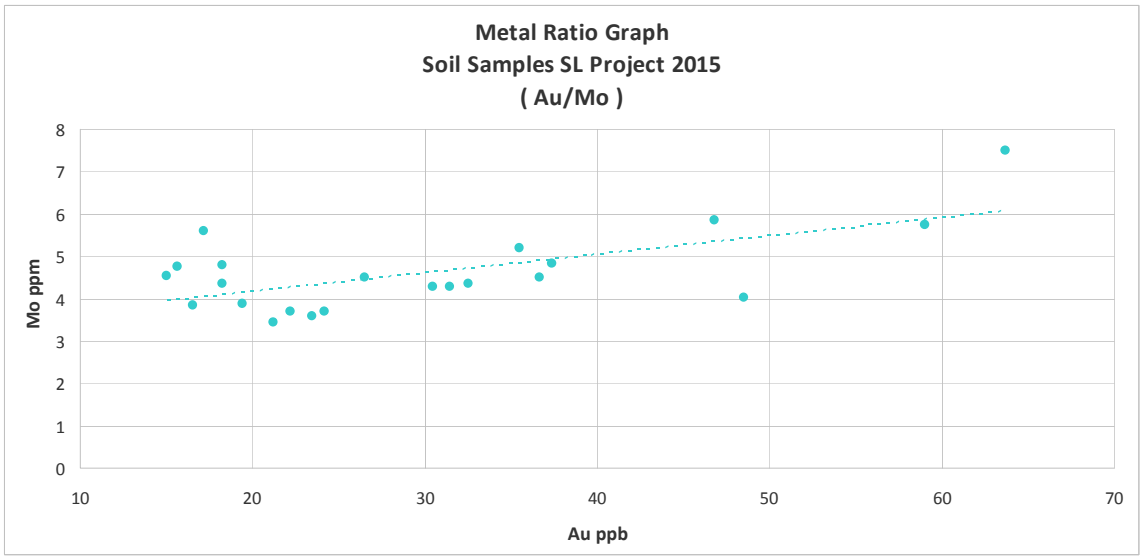


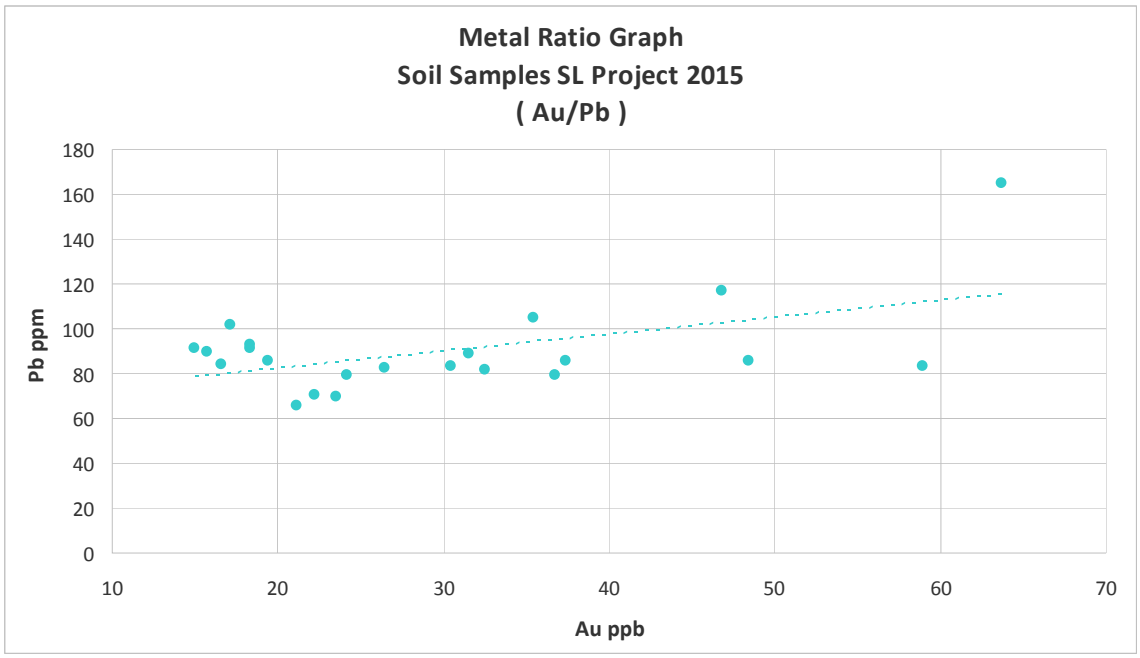


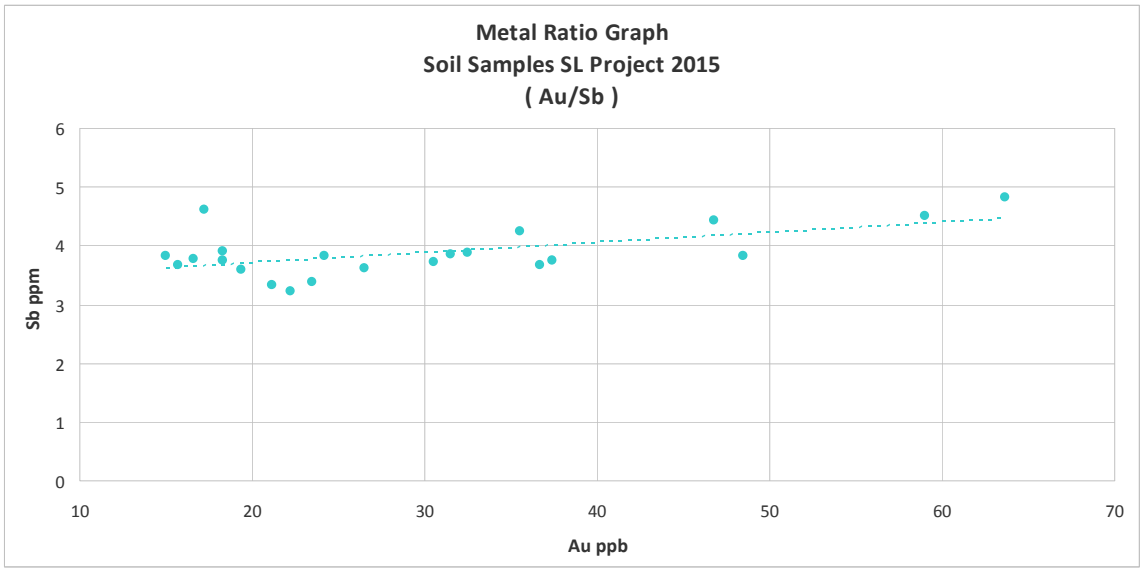

Metal Ratio Graph
Soil Samples SL Project 2015
(Au/Co)
Co ppm
Au ppb
0
5
10
15
20
25
30
35
40
10
20
30
40
50
60
70

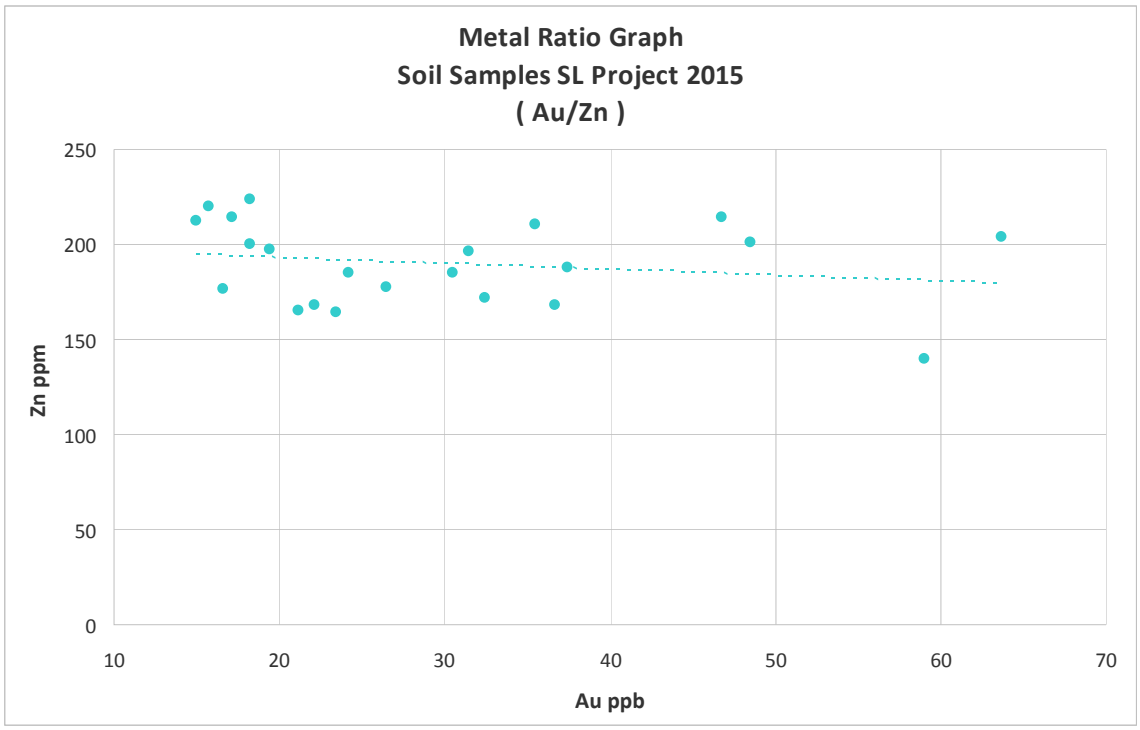

Metal Ratio Graph
Soil Samples SL Project 2015
(Au/Cu)
Cu ppm
Au ppb
0
50
100
150
200
250
10
20
30
40
50
60
70

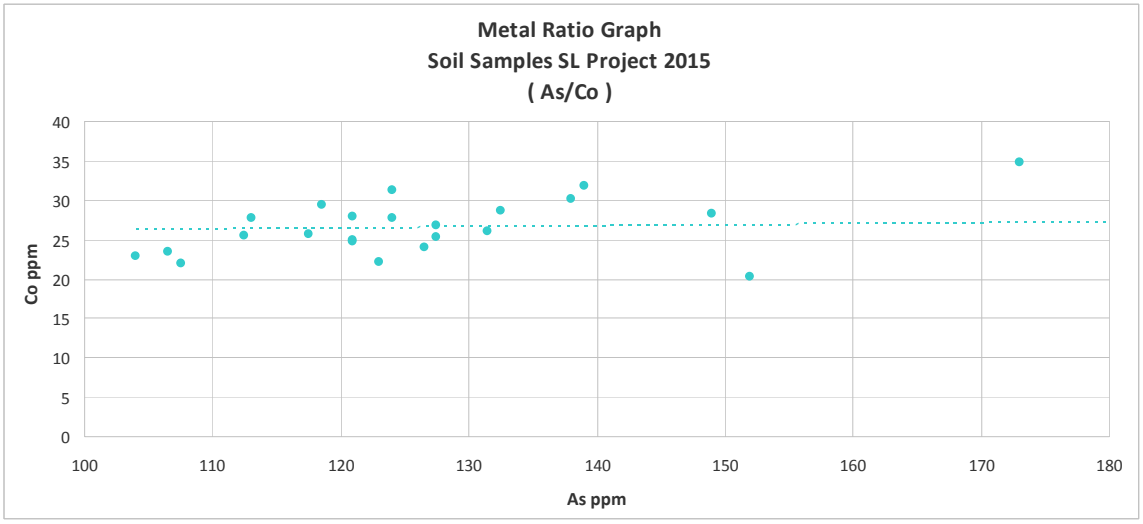

Metal Ratio Graph
Soil Samples SL Project 2015
(Au/Fe)
Fe ppm
Au ppb
0
1
2
3
4
5
6
7
10
20
30
40
50
60
70

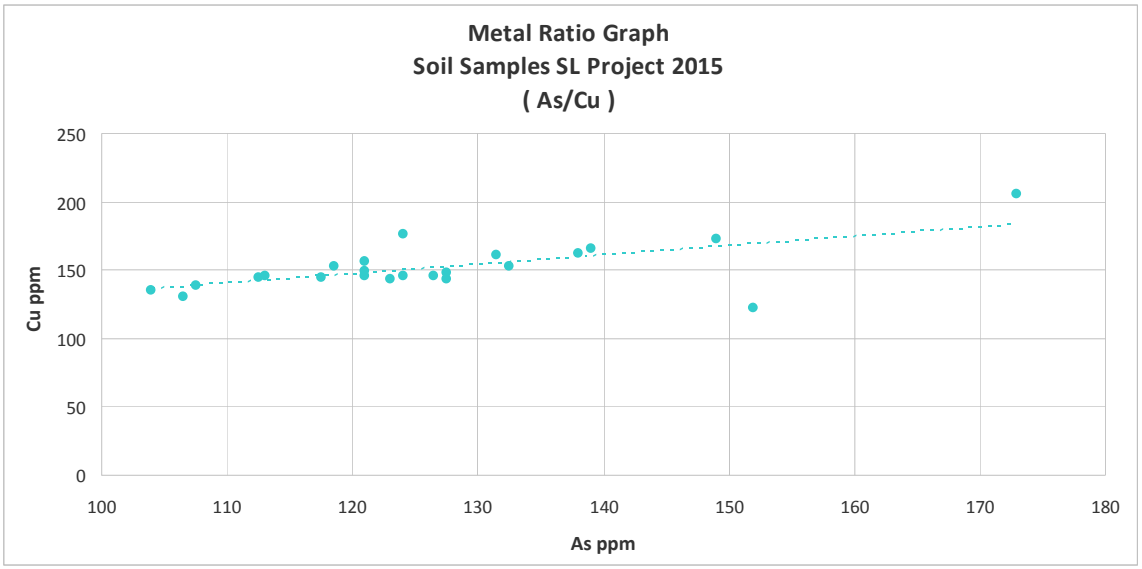

Metal Ratio Graph
Soil Samples SL Project 2015
(Au/Mo)
Mo ppm
Au ppb
0
1
2
3
4
5
6
7
8
10
20
30
40
50
60
70

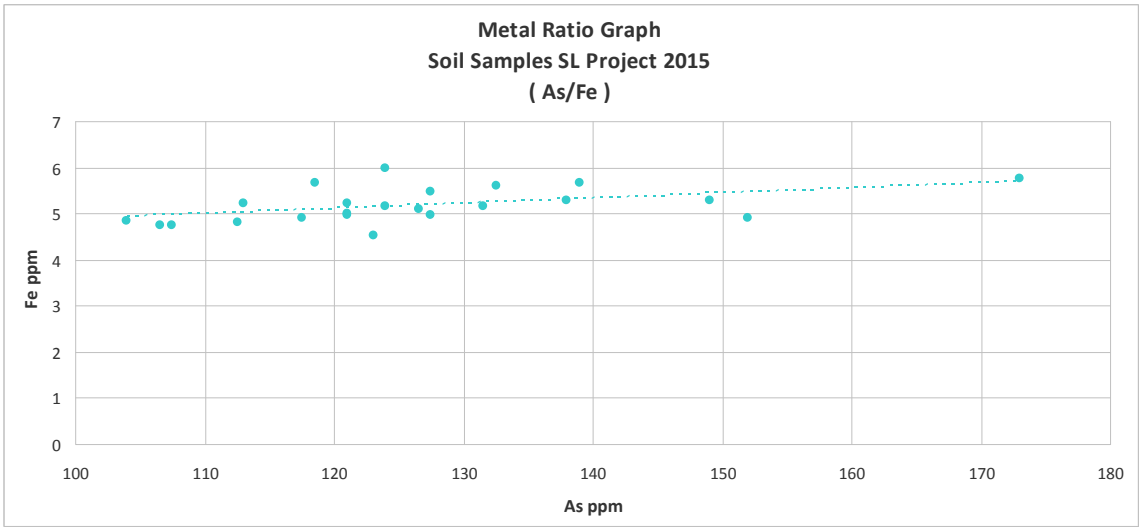

Metal Ratio Graph
Soil Samples SL Project 2015
(Au/Pb)
Pb ppm
Au ppb
0
20
40
60
80
100
120
140
160
180
10
20
30
40
50
60
70

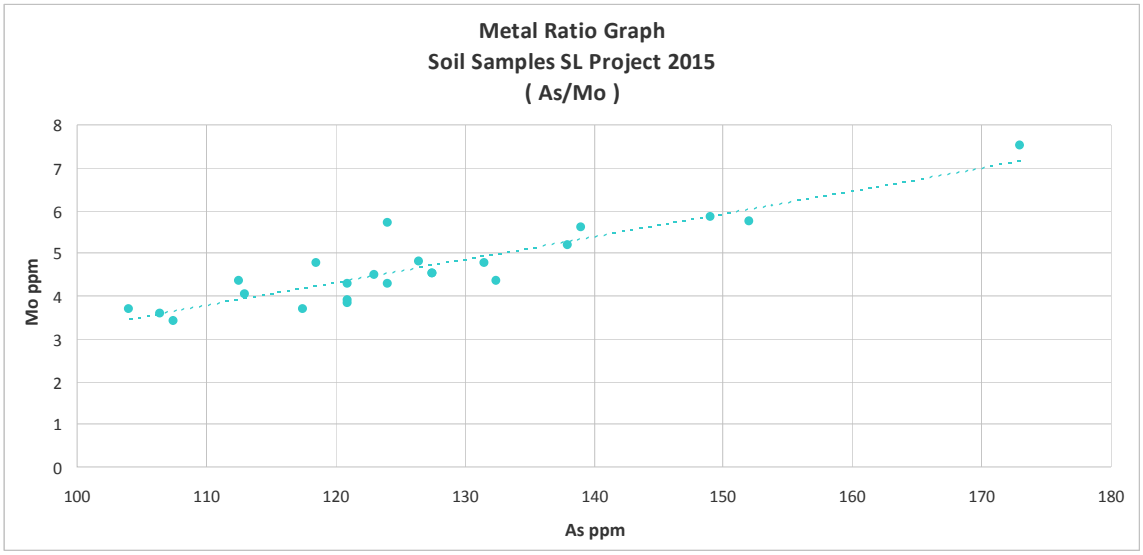

Metal Ratio Graph
Soil Samples SL Project 2015
(Au/Sb)
Sb ppm
Au ppb
0
1
2
3
4
5
6
10
20
30
40
50
60
70

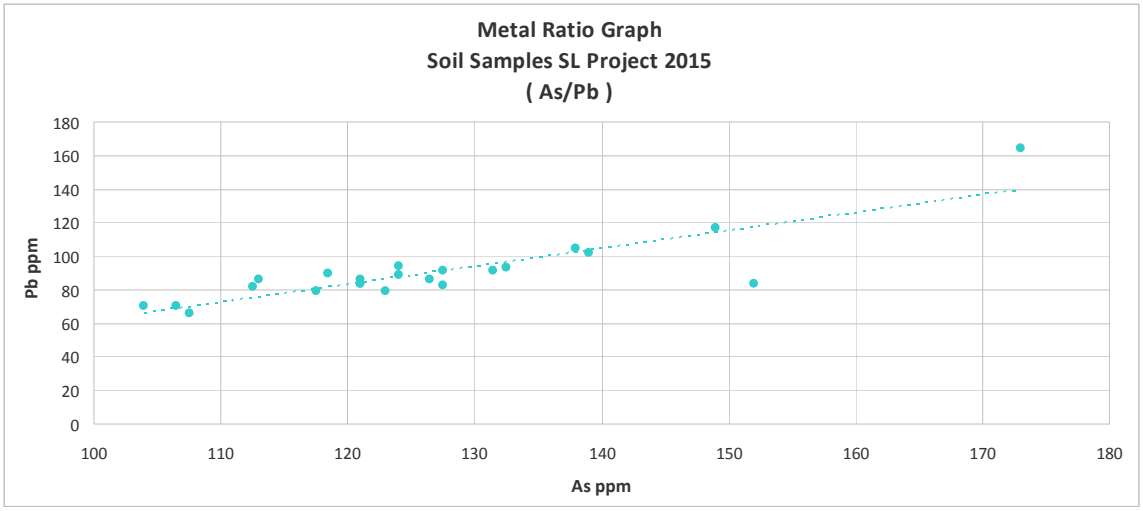

Metal Ratio Graph
Soil Samples SL Project 2015
(Au/Zn)
Zn ppm
Au ppb
250
200
150
100
50
0
10
20
30
40
50
60
70

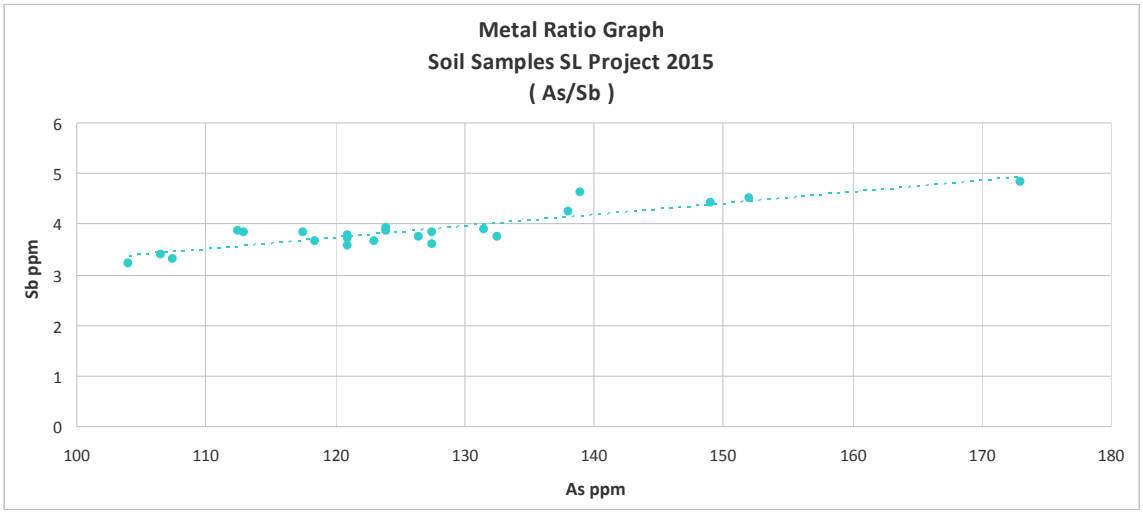

Metal Ratio Graph
Soil Samples SL Project 2015
(As/Co)
Co ppm
As ppm
40
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
180

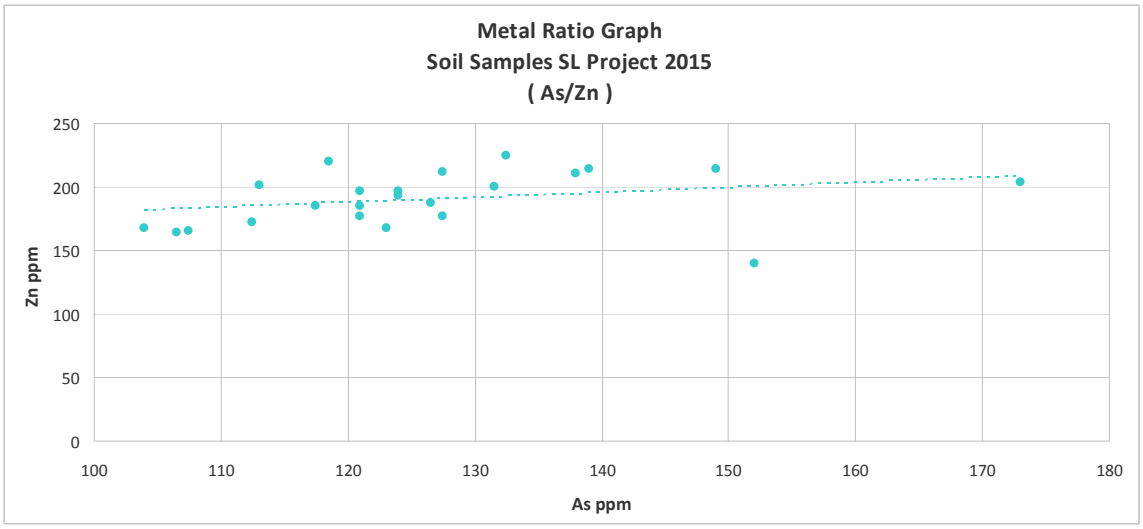

Metal Ratio Graph
Soil Samples SL Project 2015
(As/Cu)
Cu ppm
250
200
150
100
50
0
100
110
120
130
140
150
160
170
180
As ppm

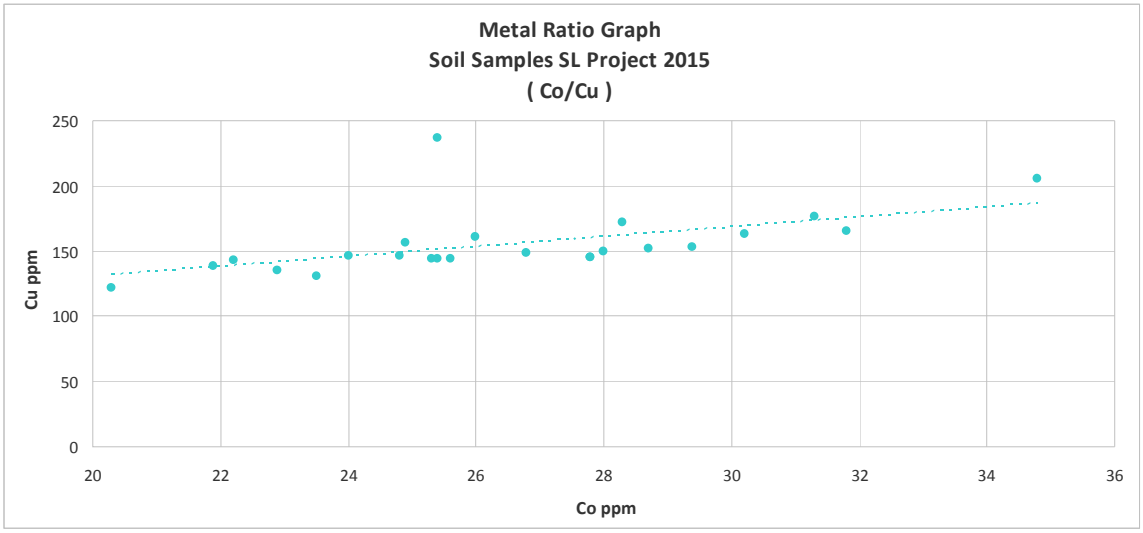

Metal Ratio Graph
Soil Samples SL Project 2015
(As/Fe)
Fe ppm
7
6
5
4
3
2
1
0
100
110
120
130
140
150
160
170
180
As ppm

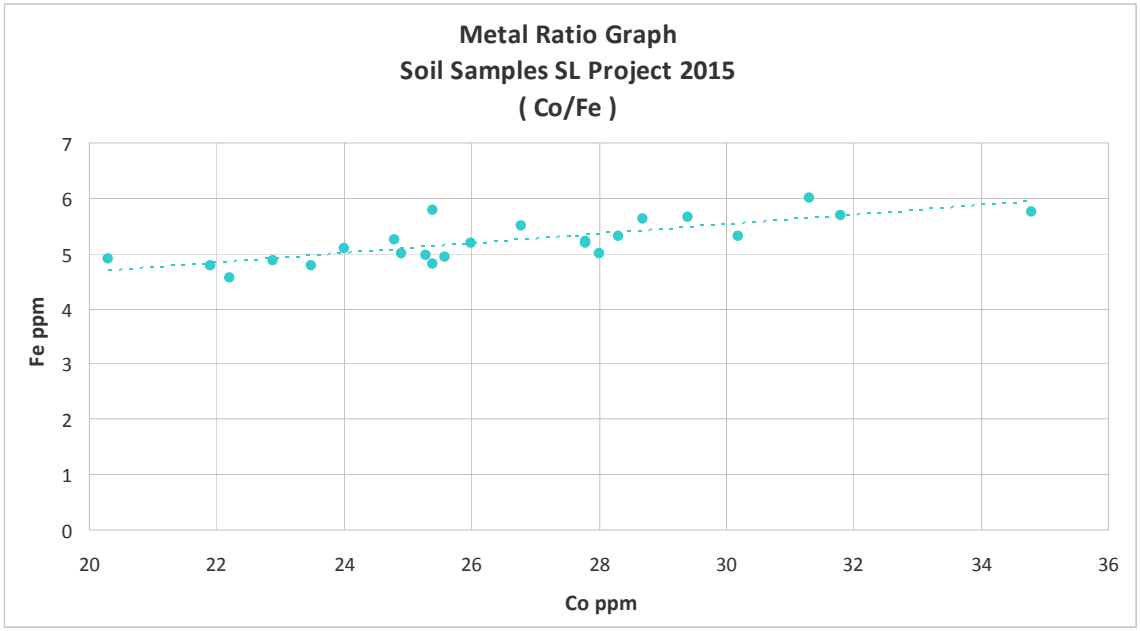

Metal Ratio Graph
Soil Samples SL Project 2015
(As/Mo)
Mo ppm
As ppm
0
1
2
3
4
5
6
7
8
100
110
120
130
140
150
160
170
180

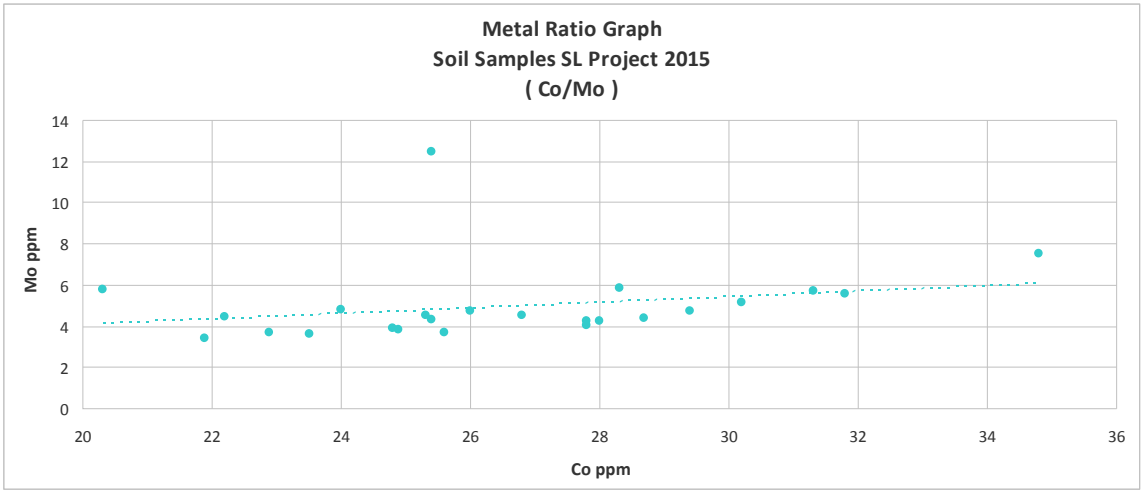

Metal Ratio Graph
Soil Samples SL Project 2015
(As/Pb)
Pb ppm
As ppm
0
20
40
60
80
100
120
140
160
180
100
110
120
130
140
150
160
170
180

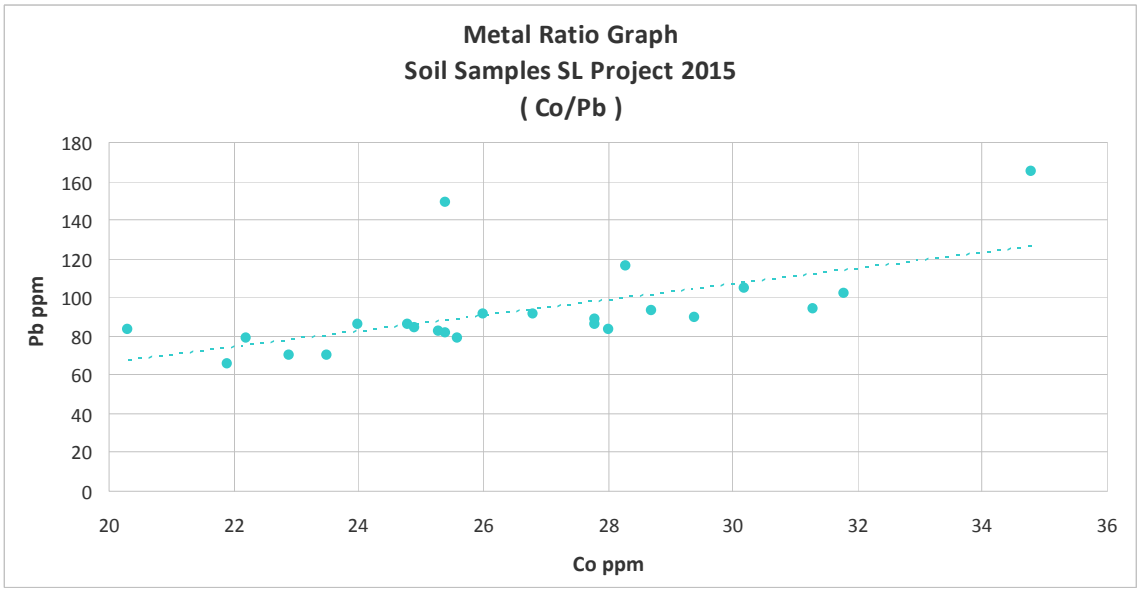

Metal Ratio Graph
Soil Samples SL Project 2015
(As/Sb)
Sb ppm
As ppm
0
1
2
3
4
5
6
100
110
120
130
140
150
160
170
180

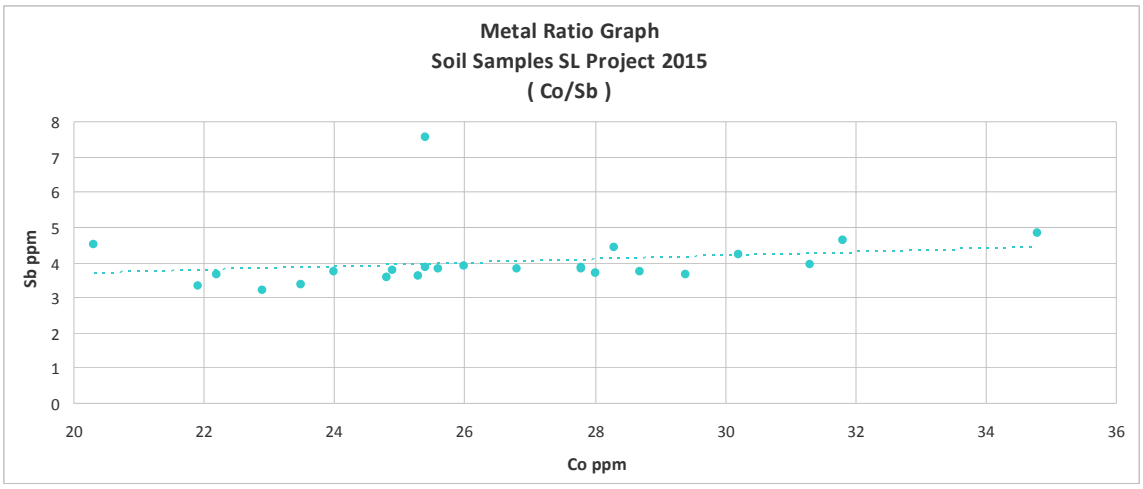

Metal Ratio Graph
Soil Samples SL Project 2015
(As/Zn)
Zn ppm
As ppm
0
50
100
150
200
250
100
110
120
130
140
150
160
170
180

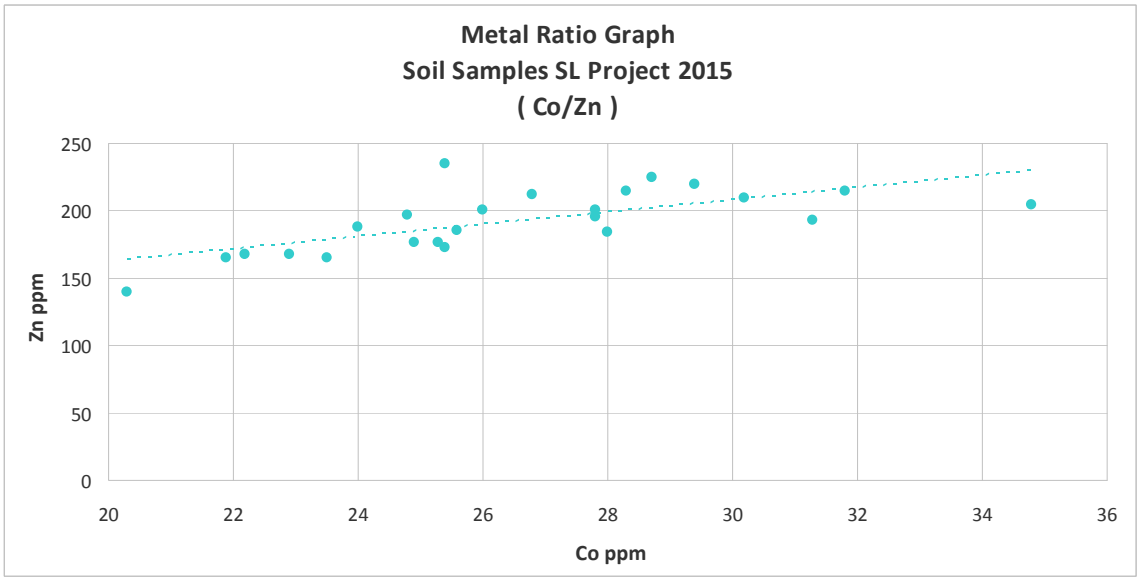

Metal Ratio Graph
Soil Samples SL Project 2015
(Co/Cu)
Cu ppm
250
200
150
100
50
0
20
22
24
26
28
30
32
34
36
Co ppm

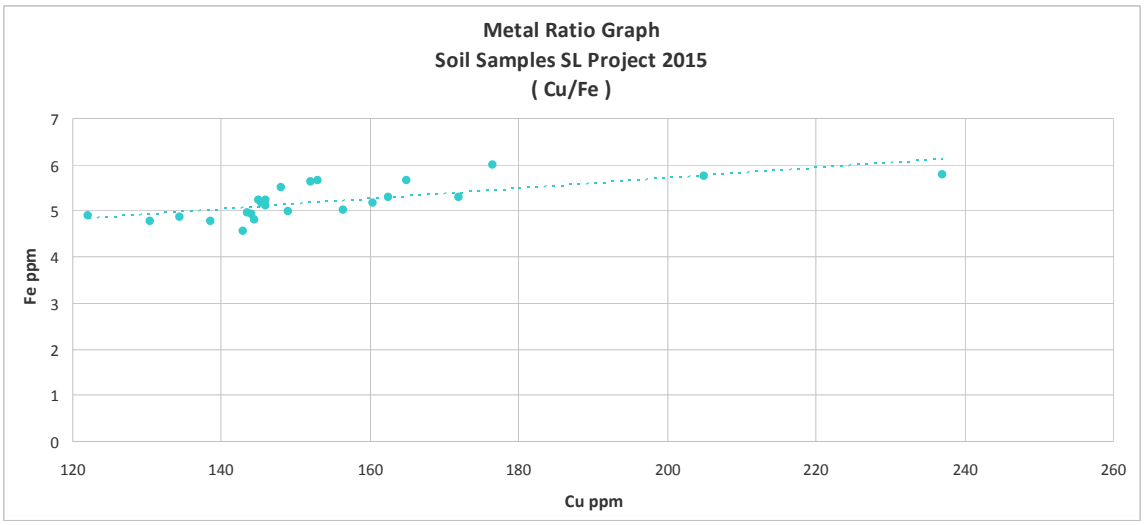

Metal Ratio Graph
Soil Samples SL Project 2015
(Co/Fe)
Fe ppm
7
6
5
4
3
2
1
0
20
22
24
26
28
30
32
34
36
Co ppm

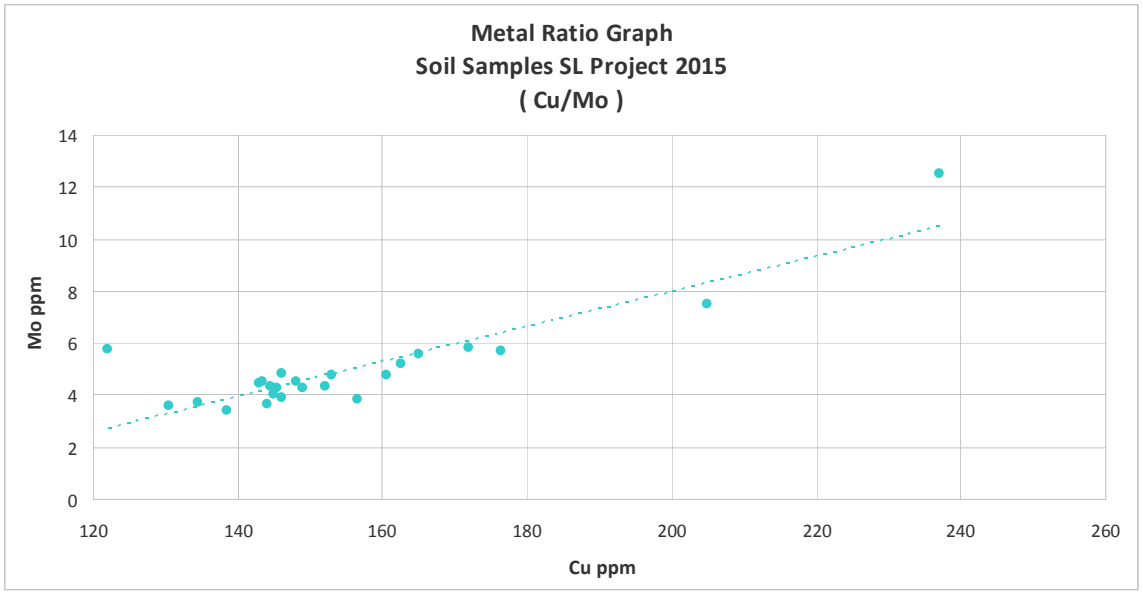

Metal Ratio Graph
Soil Samples SL Project 2015
(Co/Mo)
Mo ppm
Co ppm
0
2
4
6
8
10
12
14
20
22
24
26
28
30
32
34
36

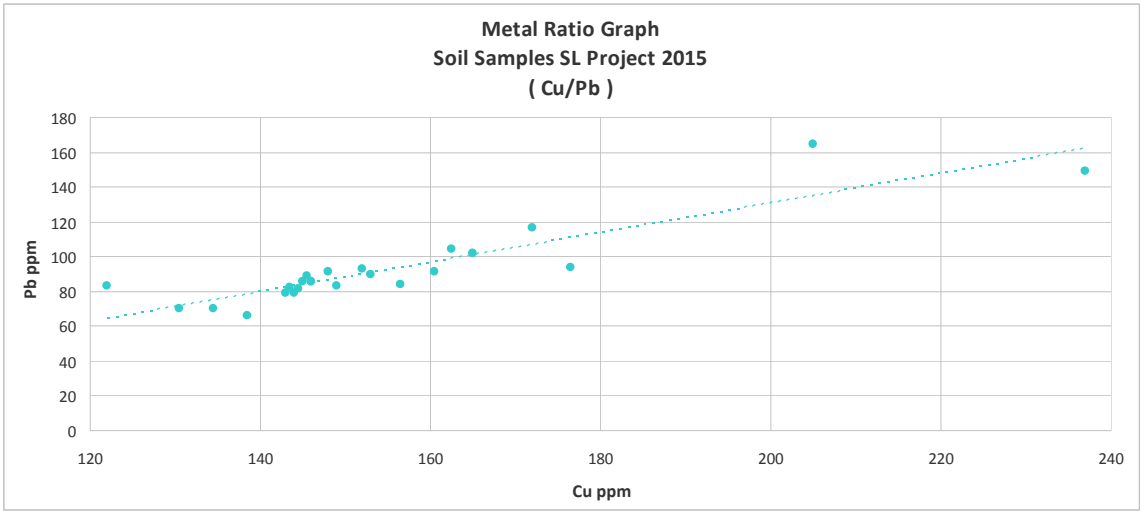

Metal Ratio Graph
Soil Samples SL Project 2015
(Co/Pb)
Pb ppm
Co ppm
0
20
40
60
80
100
120
140
160
180
20
22
24
26
28
30
32
34
36

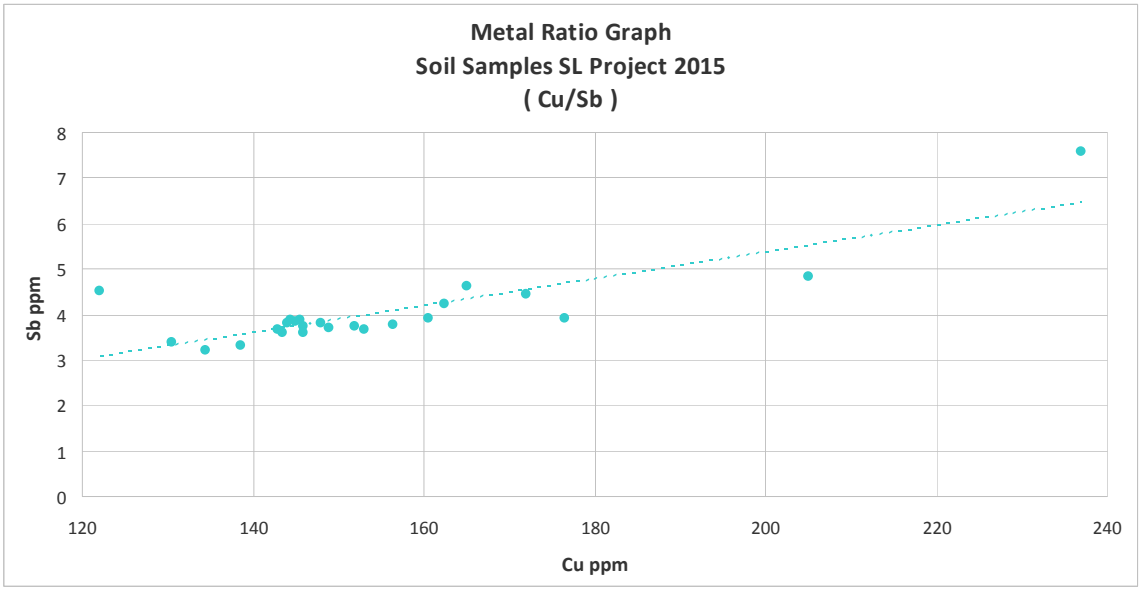

Metal Ratio Graph
Soil Samples SL Project 2015
(Co/Sb)
Sb ppm
Co ppm
0
1
2
3
4
5
6
7
8
20
22
24
26
28
30
32
34
36

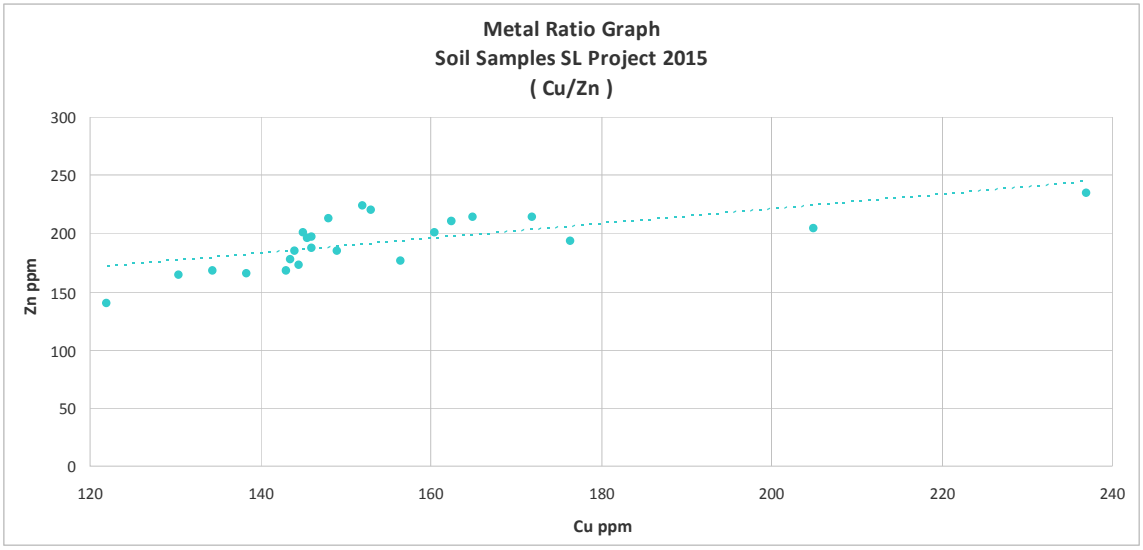

Metal Ratio Graph
Soil Samples SL Project 2015
(Co/Zn)
Zn ppm
Co ppm
0
50
100
150
200
250
20
22
24
26
28
30
32
34
36

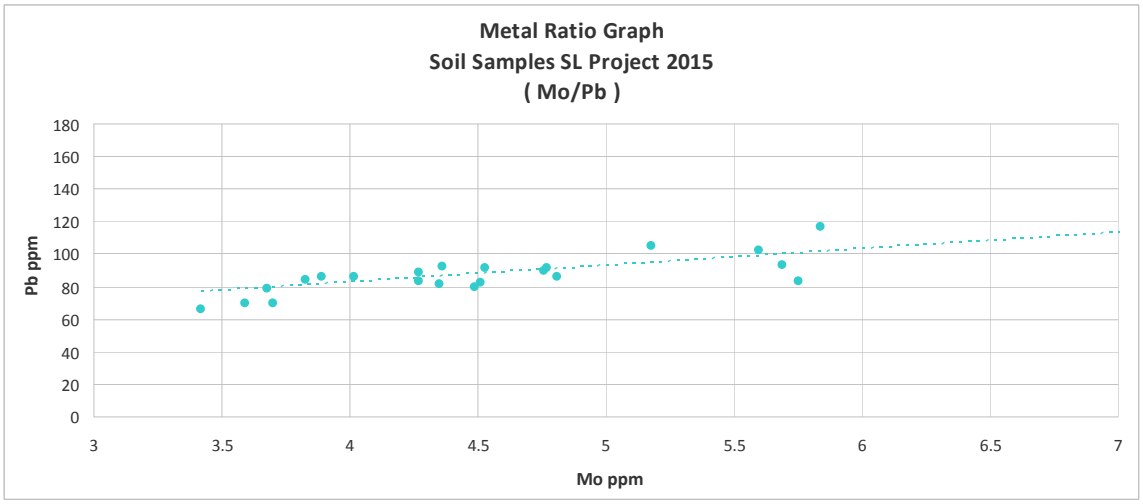

Metal Ratio Graph
Soil Samples SL Project 2015
(Cu/Fe)
Fe ppm
Cu ppm
0
1
2
3
4
5
6
7
120
140
160
180
200
220
240
260

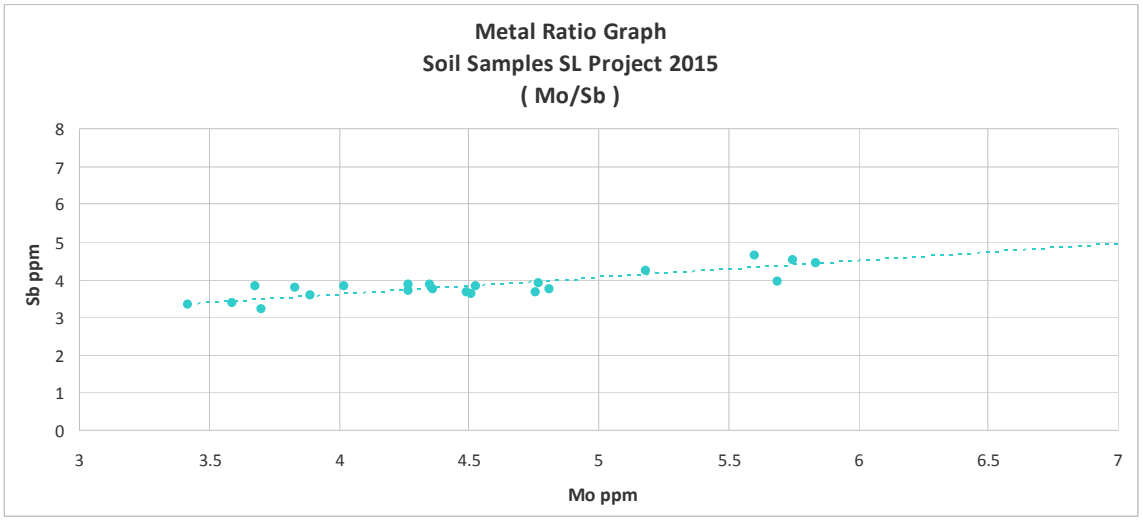

Metal Ratio Graph
Soil Samples SL Project 2015
(Cu/Mo)
Mo ppm
Cu ppm
0
2
4
6
8
10
12
14
120
140
160
180
200
220
240
260

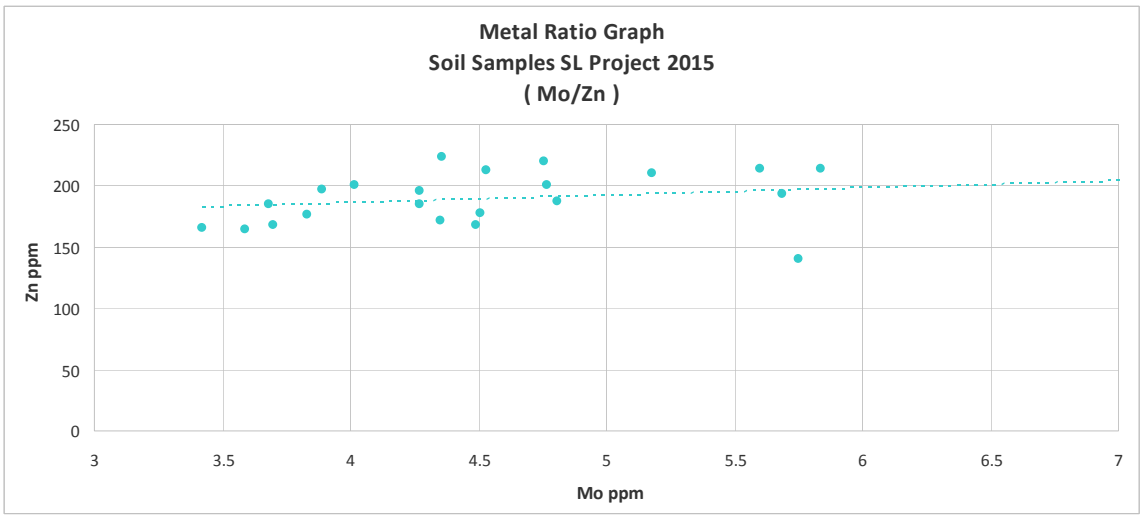

Metal Ratio Graph
Soil Samples SL Project 2015
(Cu/Pb)
Pb ppm
Cu ppm
0
20
40
60
80
100
120
140
160
180
120
140
160
180
200
220
240

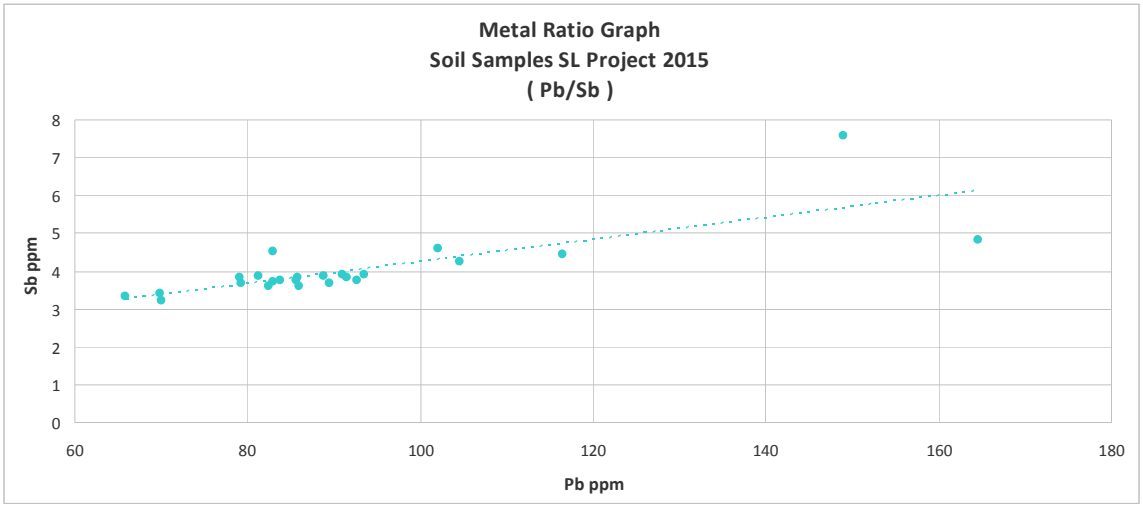

Metal Ratio Graph
Soil Samples SL Project 2015
(Cu/Sb)
Sb ppm
Cu ppm
0
1
2
3
4
5
6
7
8
120
140
160
180
200
220
240

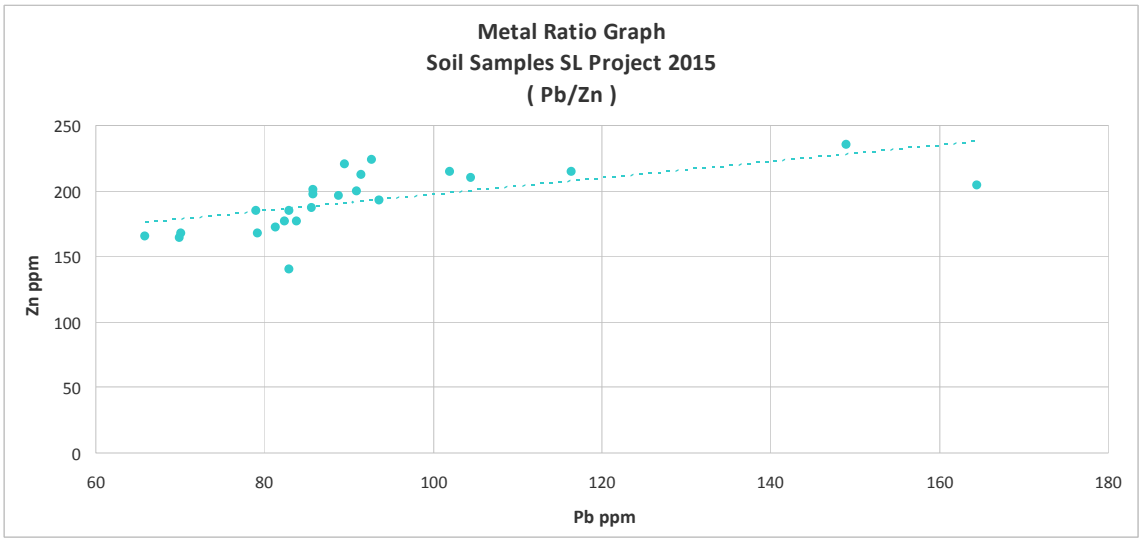

Metal Ratio Graph
Soil Samples SL Project 2015
(Cu/Zn)
Zn ppm
300
250
200
150
100
50
0
120
140
160
180
200
220
240
Cu ppm

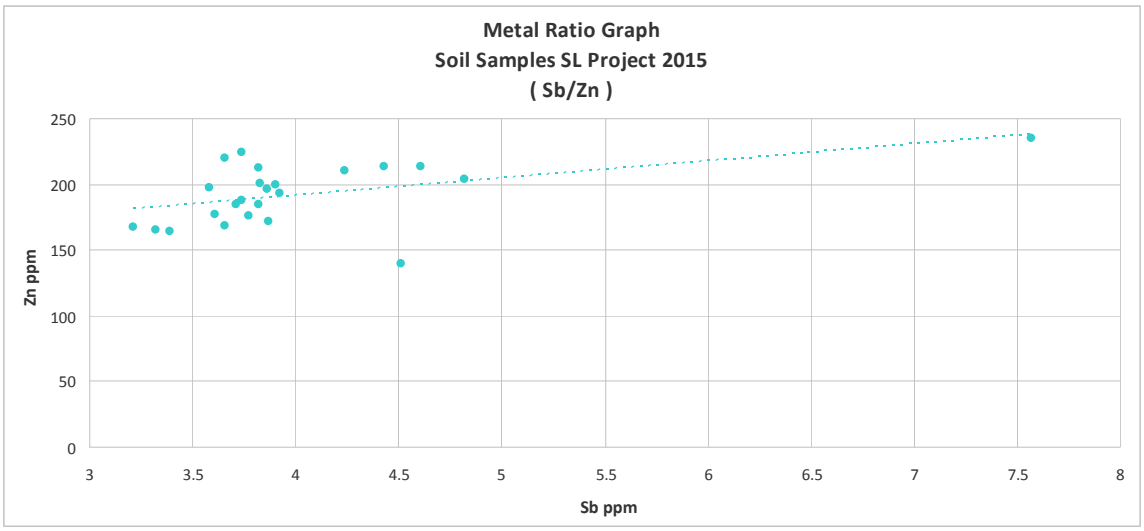

Metal Ratio Graph
Soil Samples SL Project 2015
(Mo/Pb)
Pb ppm
180
160
140
120
100
80
60
40
20
0
3
3.5
4
4.5
5
5.5
6
6.5
7
Mo ppm

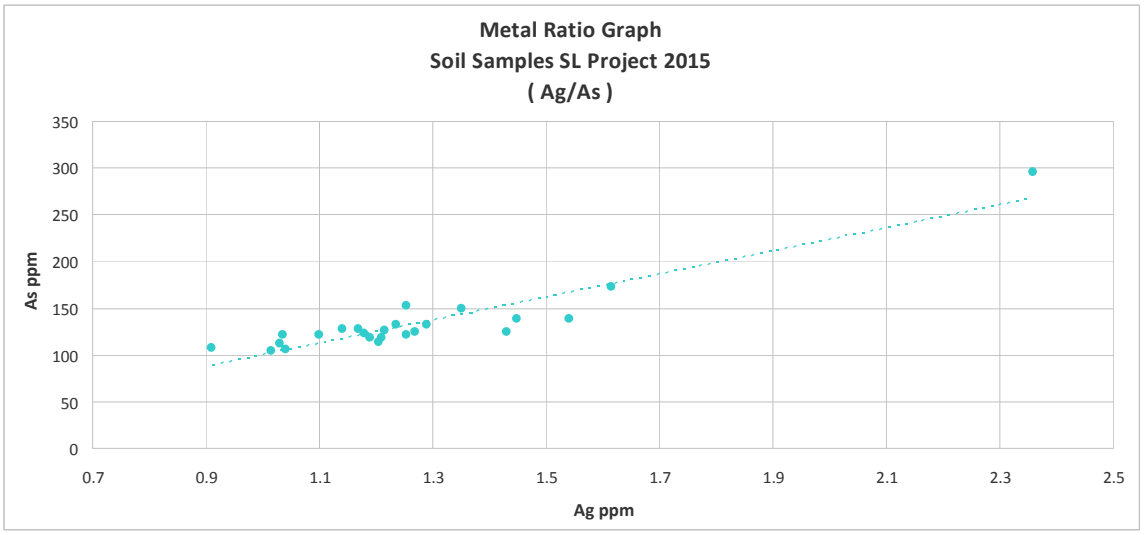

Metal Ratio Graph
Soil Samples SL Project 2015
(Mo/Sb)
Sb ppm
Mo ppm
0
1
2
3
4
5
6
7
8
3
3.5
4
4.5
5
5.5
6
6.5
7

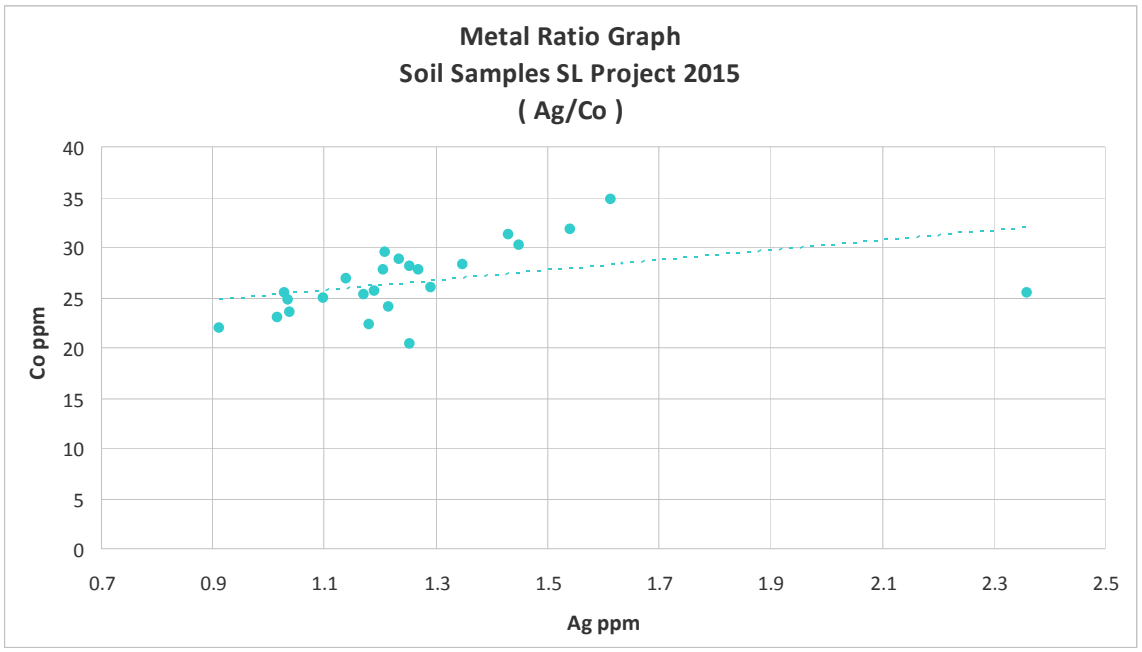

Metal Ratio Graph
Soil Samples SL Project 2015
(Mo/Zn)
Zn ppm
Mo ppm
0
50
100
150
200
250
3
3.5
4
4.5
5
5.5
6
6.5
7

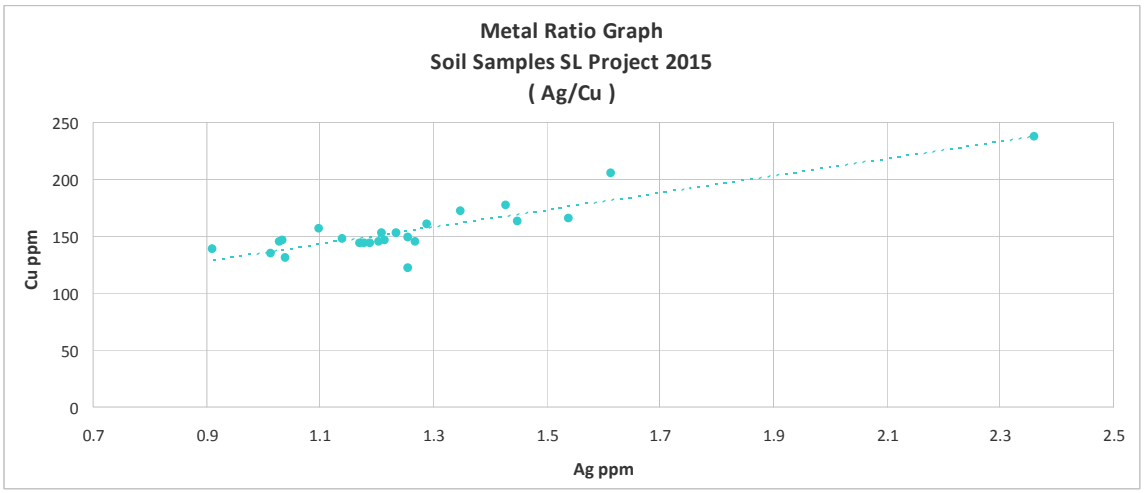

Metal Ratio Graph
Soil Samples SL Project 2015
(Pb/Sb)
Sb ppm
Pb ppm
0
1
2
3
4
5
6
7
8
60
80
100
120
140
160
180

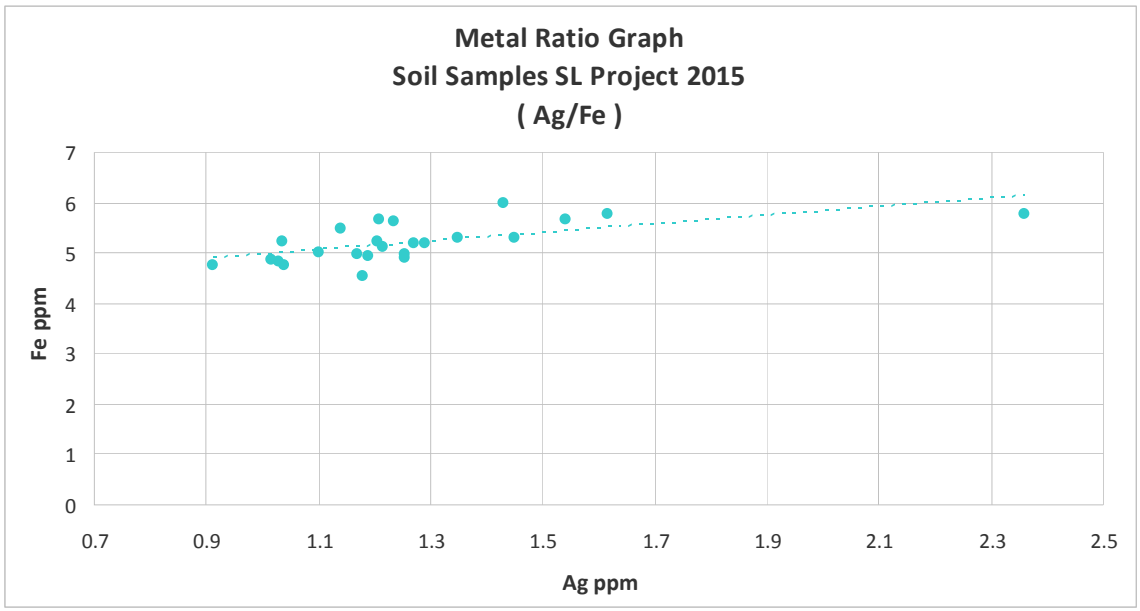

Metal Ratio Graph
Soil Samples SL Project 2015
(Pb/Zn)
Zn ppm
Pb ppm
0
50
100
150
200
250
60
80
100
120
140
160
180

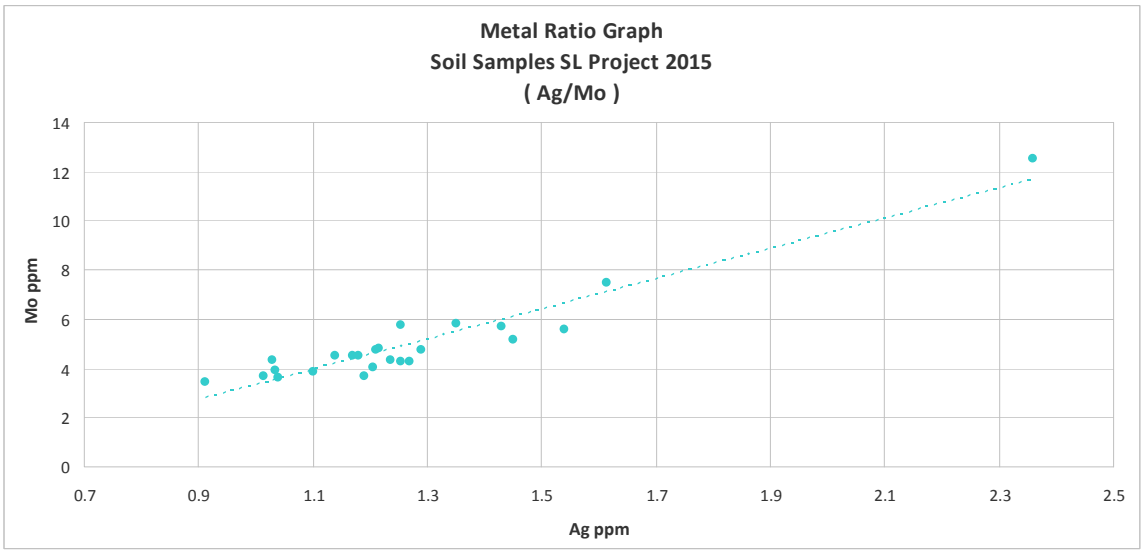

Metal Ratio Graph
Soil Samples SL Project 2015
(Sb/Zn)
Zn ppm
250
200
150
100
50
0
3
3.5
4
4.5
5
5.5
6
6.5
7
7.5
8
Sb ppm

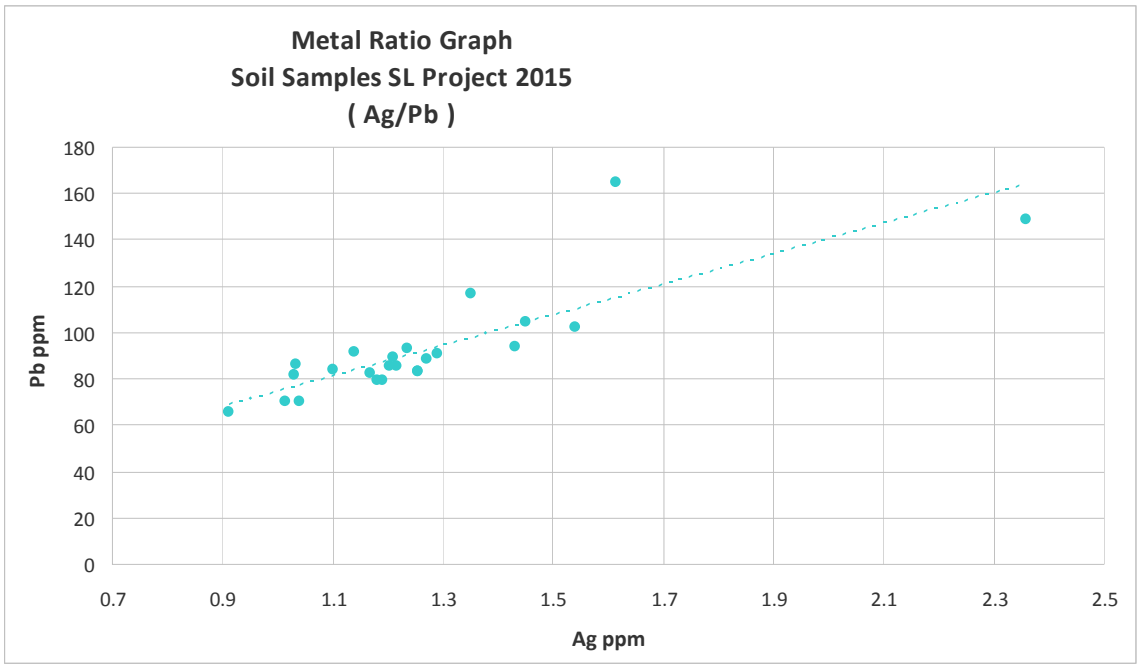

Metal Ratio Graph
Soil Samples SL Project 2015
(Ag/As)
As ppm
350
300
250
200
150
100
50
0
0.7
0.9
1.1
1.3
1.5
1.7
1.9
2.1
2.3
2.5
Ag ppm

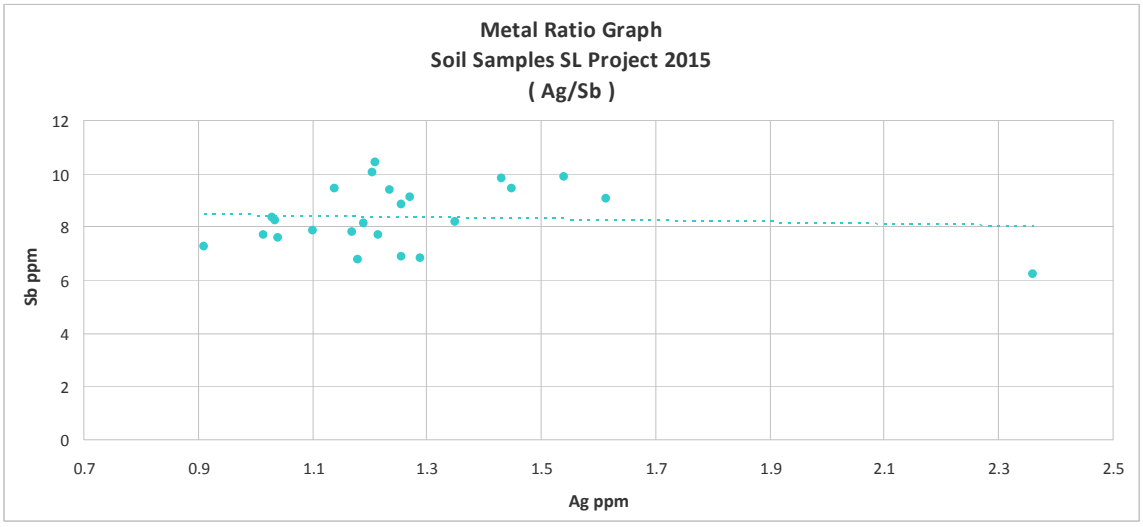

Metal Ratio Graph
Soil Samples SL Project 2015
(Ag/Co)
Co ppm
Ag ppm
0
5
10
15
20
25
30
35
40
0.7
0.9
1.1
1.3
1.5
1.7
1.9
2.1
2.3
2.5

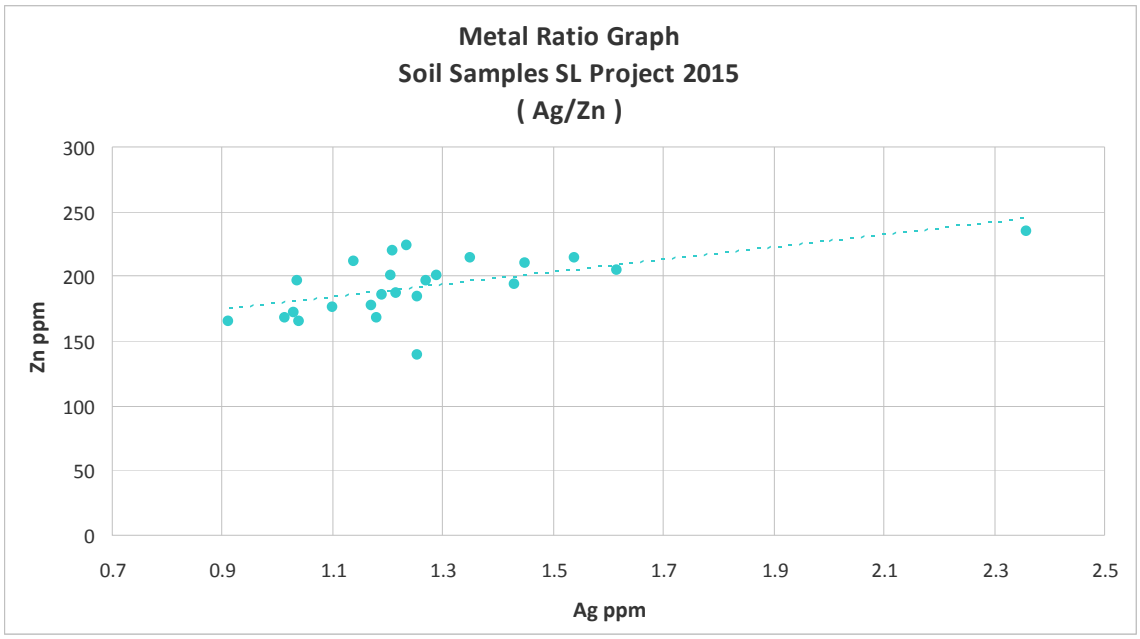

Metal Ratio Graph
Soil Samples SL Project 2015
(Ag/Cu)
Cu ppm
Ag ppm
0
50
100
150
200
250
0.7
0.9
1.1
1.3
1.5
1.7
1.9
2.1
2.3
2.5

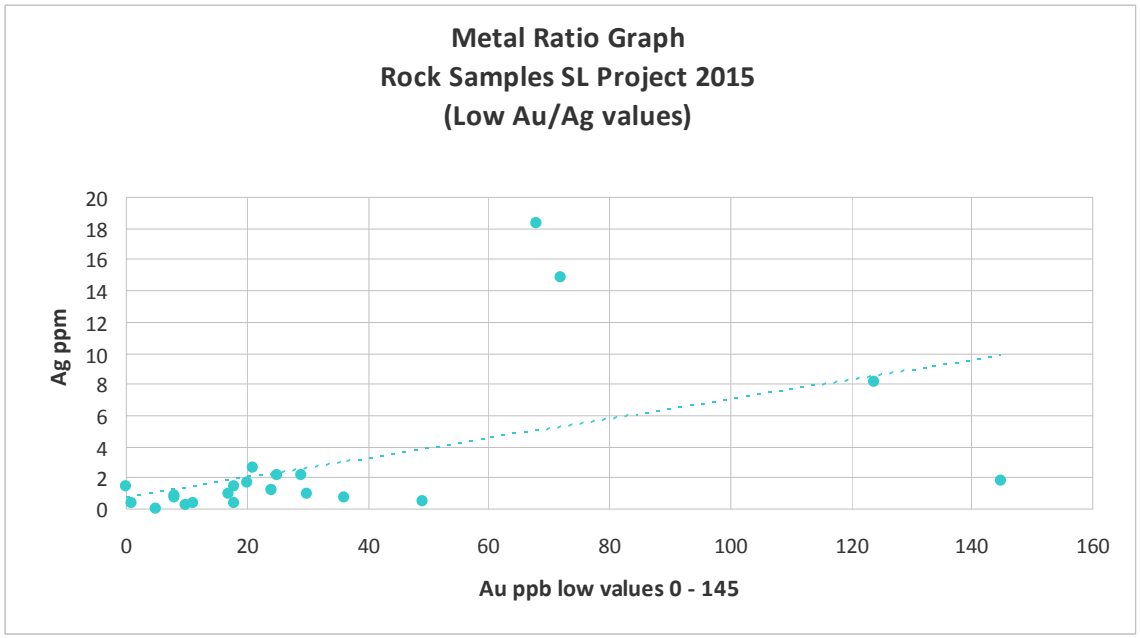

Metal Ratio Graph
Soil Samples SL Project 2015
(Ag/Fe)
Fe ppm
Ag ppm
0
1
2
3
4
5
6
7
0.7
0.9
1.1
1.3
1.5
1.7
1.9
2.1
2.3
2.5

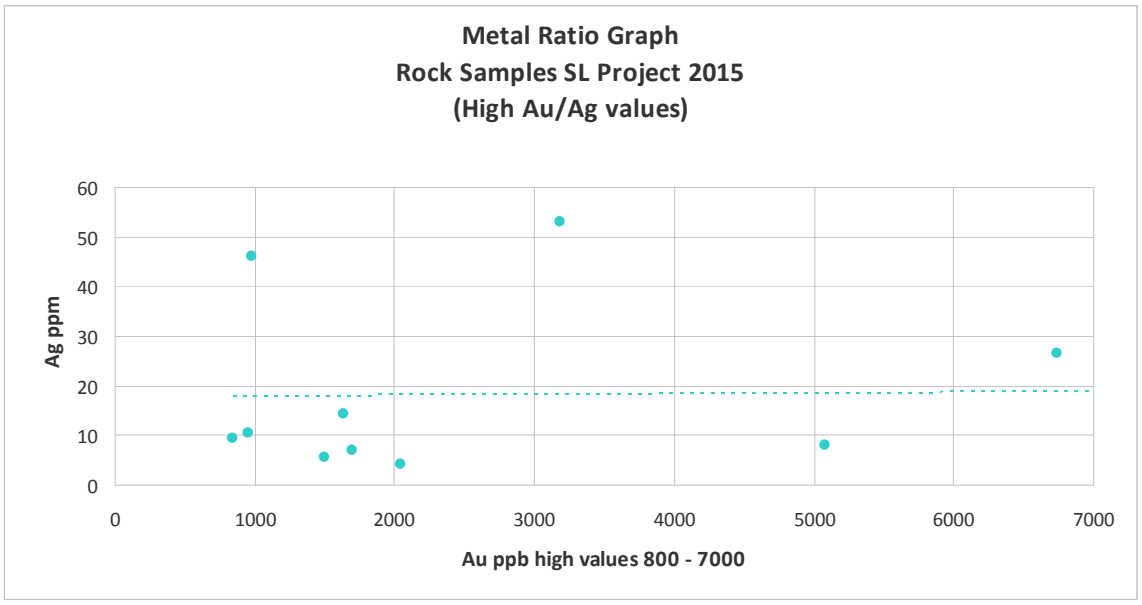

Metal Ratio Graph
Soil Samples SL Project 2015
(Ag/Mo)
Mo ppm
Ag ppm
0
2
4
6
8
10
12
14
0.7
0.9
1.1
1.3
1.5
1.7
1.9
2.1
2.3
2.5

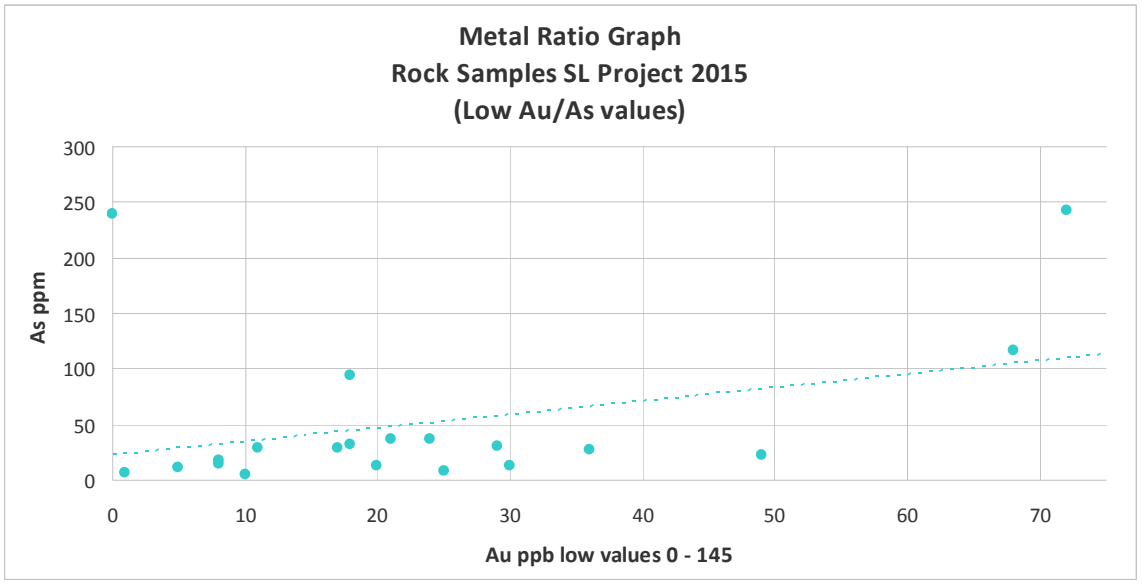

Metal Ratio Graph
Soil Samples SL Project 2015
(Ag/Pb)
Pb ppm
Ag ppm
180
160
140
120
100
80
60
40
20
0
0.7
0.9
1.1
1.3
1.5
1.7
1.9
2.1
2.3
2.5

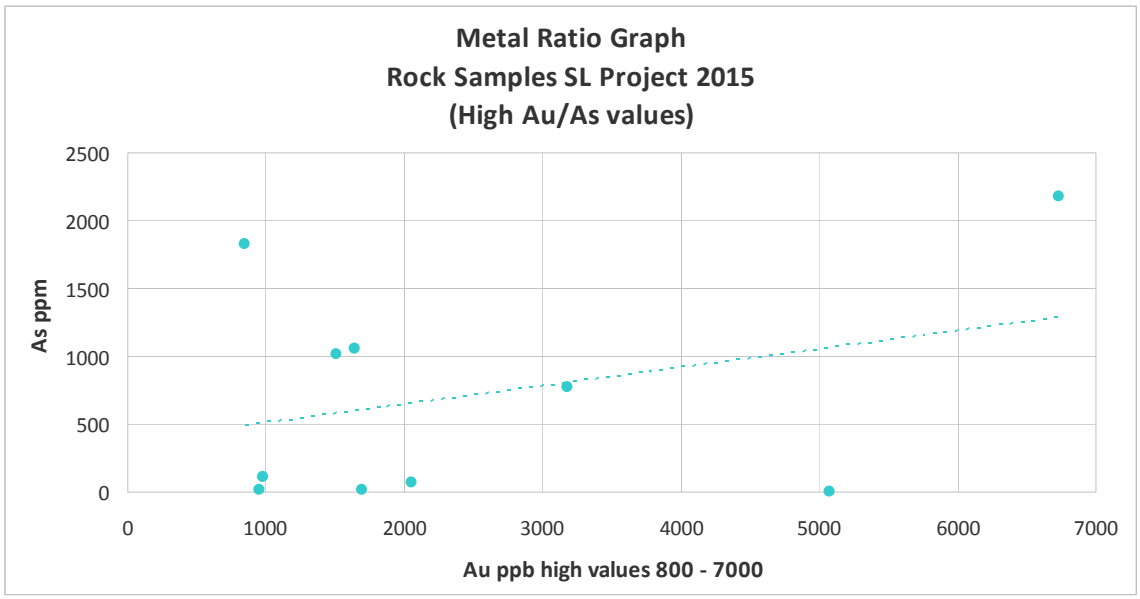

Metal Ratio Graph
Soil Samples SL Project 2015
(Ag/Sb)
Sb ppm
Ag ppm
12
10
8
6
4
2
0
0.7
0.9
1.1
1.3
1.5
1.7
1.9
2.1
2.3
2.5

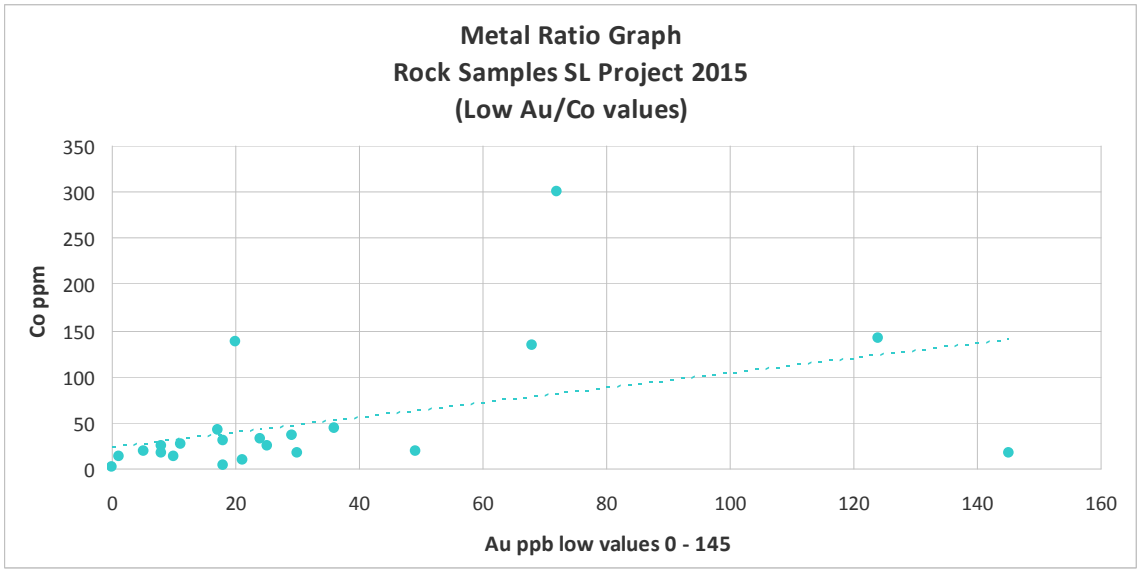

Metal Ratio Graph
Soil Samples SL Project 2015
(Ag/Zn)
Zn ppm
300
250
200
150
100
50
0
0.7
0.9
1.1
1.3
1.5
1.7
1.9
2.1
2.3
2.5
Ag ppm

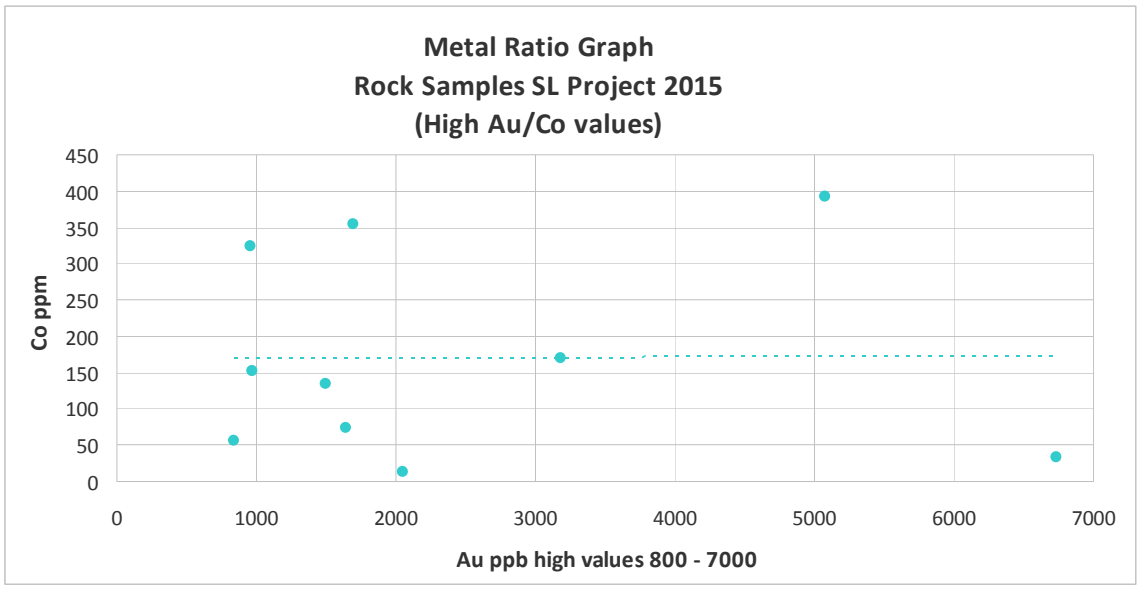

Metal Ratio Graph
Rock Samples SL Project 2015
(Low Au/Ag values)
Ag ppm
20
18
16
14
12
10
8
6
4
2
0
0
20
40
60
80
100
120
140
160
Au ppb low values 0 - 145

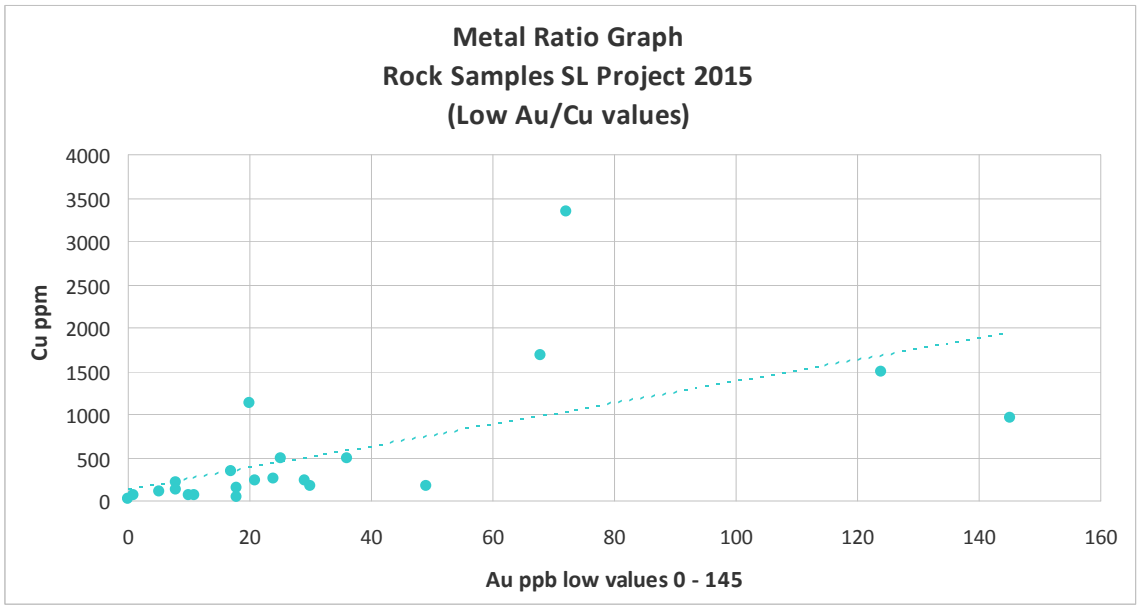

Metal Ratio Graph
Rock Samples SL Project 2015
(High Au/Ag values)
Ag ppm
60
50
40
30
20
10
0
0
1000
2000
3000
4000
5000
6000
7000
Au ppb high values 800 - 7000

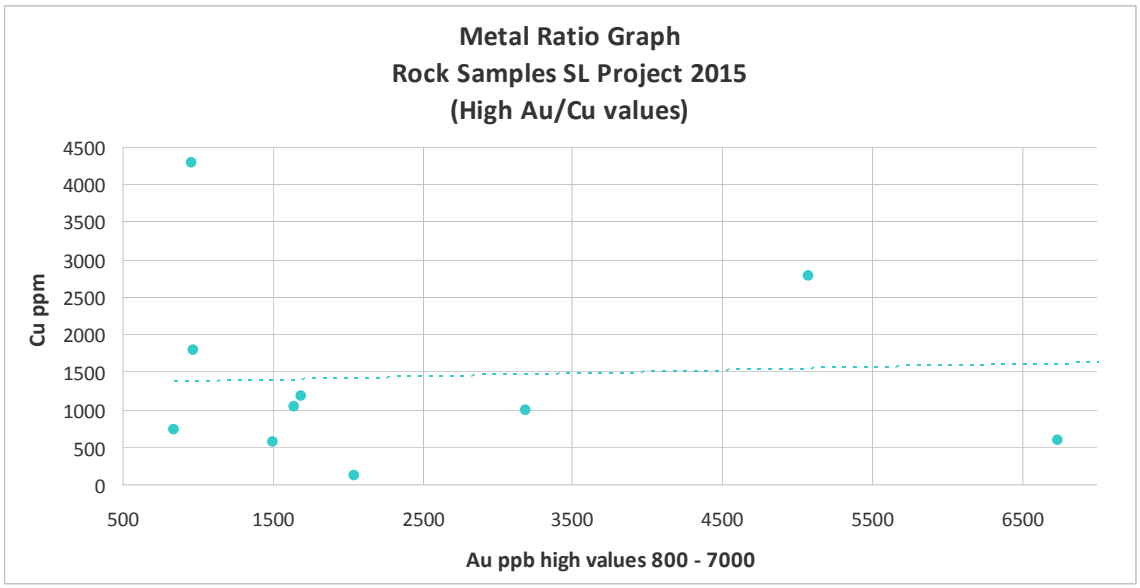

Metal Ratio Graph
Rock Samples SL Project 2015
(Low Au/As values)
As ppm
300
250
200
150
100
50
0
0
10
20
30
40
50
60
70
Au ppb low values 0 - 145

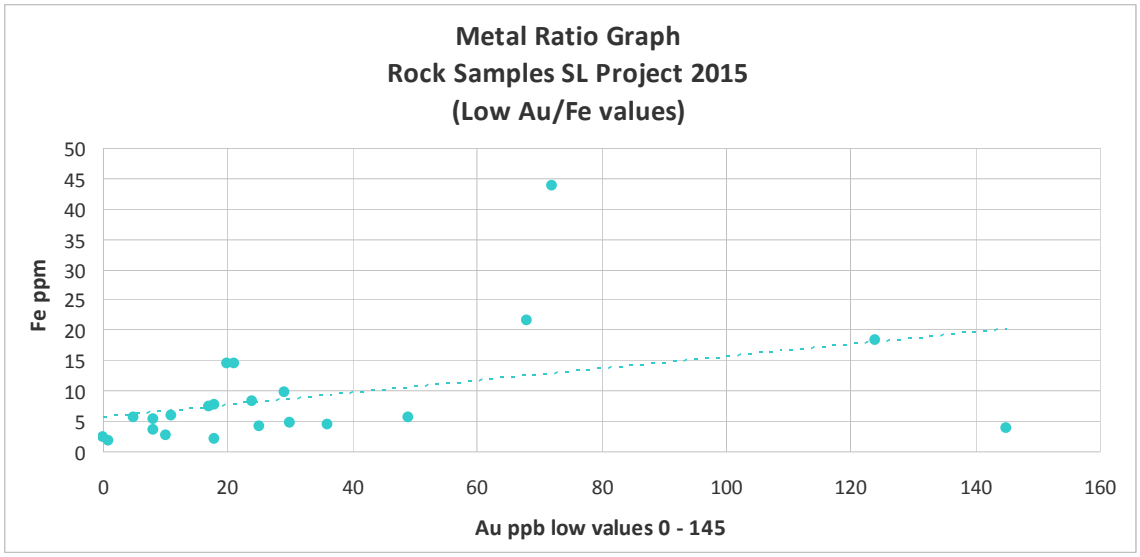

Metal Ratio Graph
Rock Samples SL Project 2015
(High Au/As values)
As ppm
2500
2000
1500
1000
500
0
0
1000
2000
3000
4000
5000
6000
7000
Au ppb high values 800 - 7000

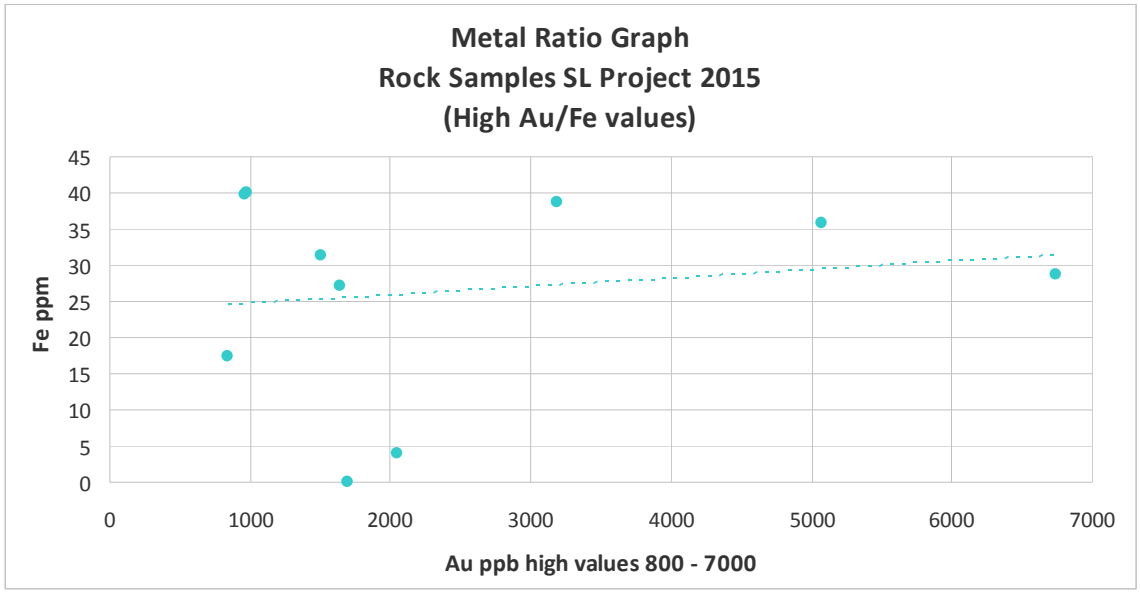

Metal Ratio Graph
Rock Samples SL Project 2015
(Low Au/Co values)
Co ppm
350
300
250
200
150
100
50
0
0
20
40
60
80
100
120
140
160
Au ppb low values 0 - 145

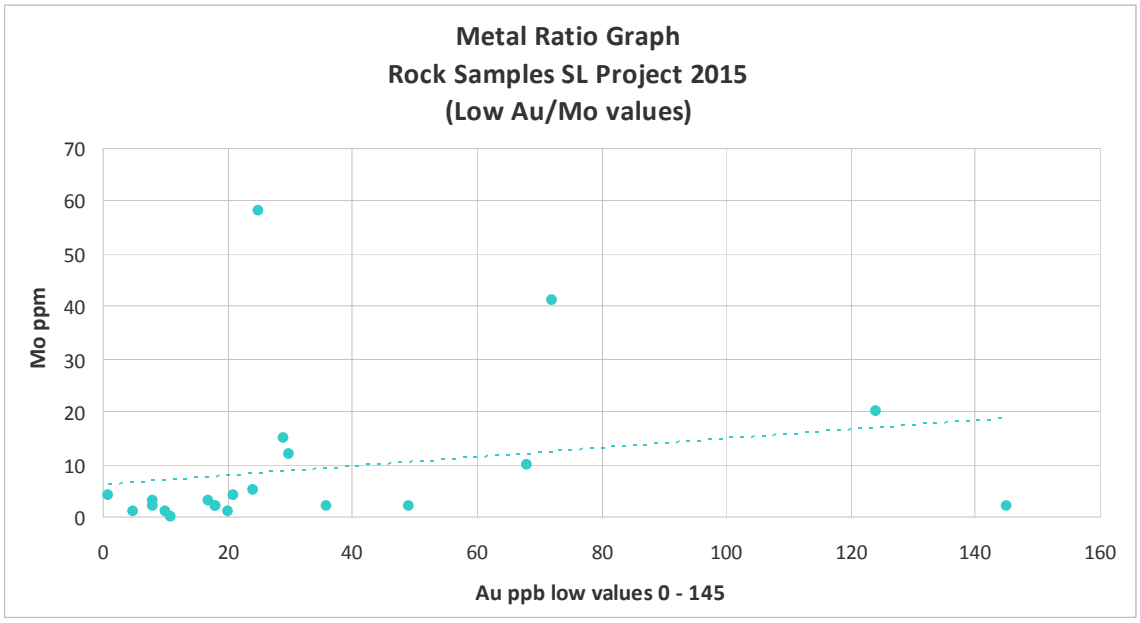

Metal Ratio Graph
Rock Samples SL Project 2015
(High Au/Co values)
Co ppm
450
400
350
300
250
200
150
100
50
0
0
1000
2000
3000
4000
5000
6000
7000
Au ppb high values 800 - 7000

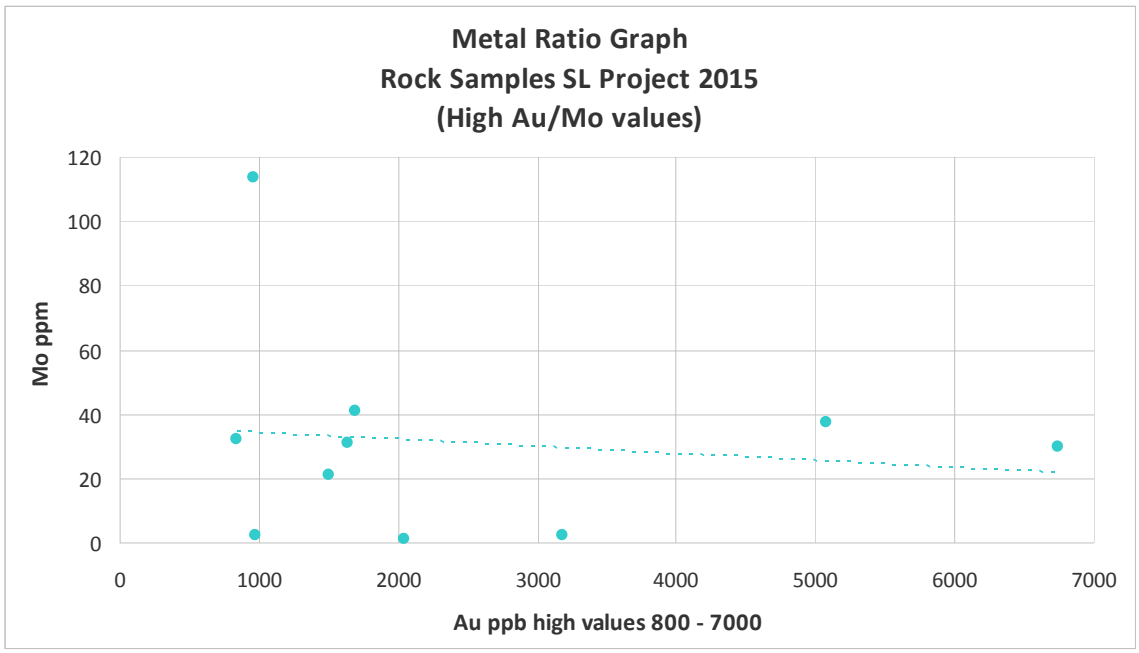

Metal Ratio Graph
Rock Samples SL Project 2015
(Low Au/Cu values)
Cu ppm
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
140
160
Au ppb low values 0 - 145

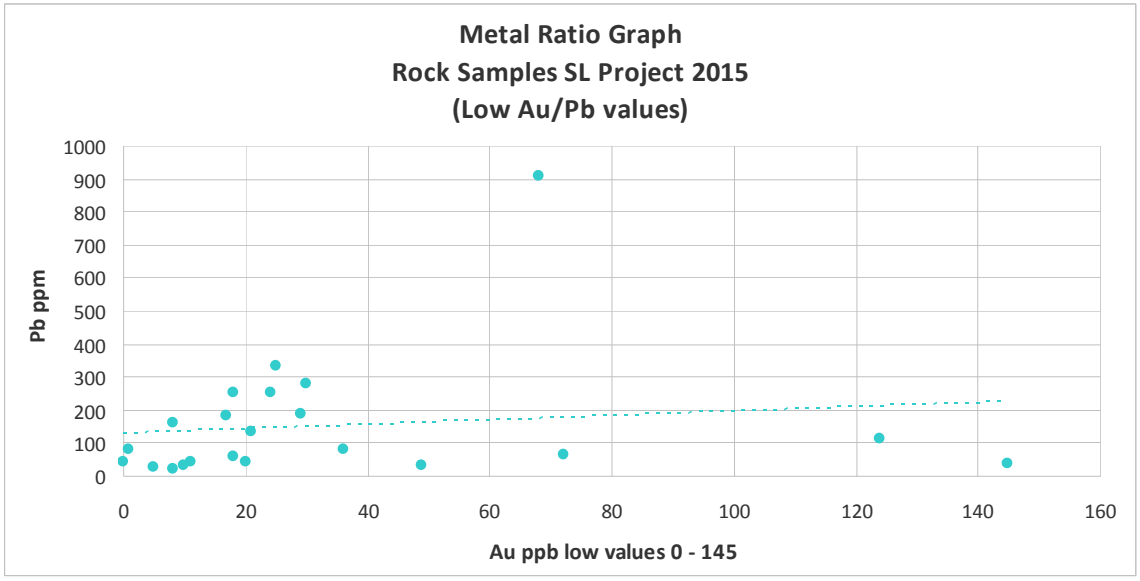

Metal Ratio Graph
Rock Samples SL Project 2015
(High Au/Cu values)
Cu ppm
4500
4000
3500
3000
2500
2000
1500
1000
500
0
500
1500
2500
3500
4500
5500
6500
Au ppb high values 800 - 7000

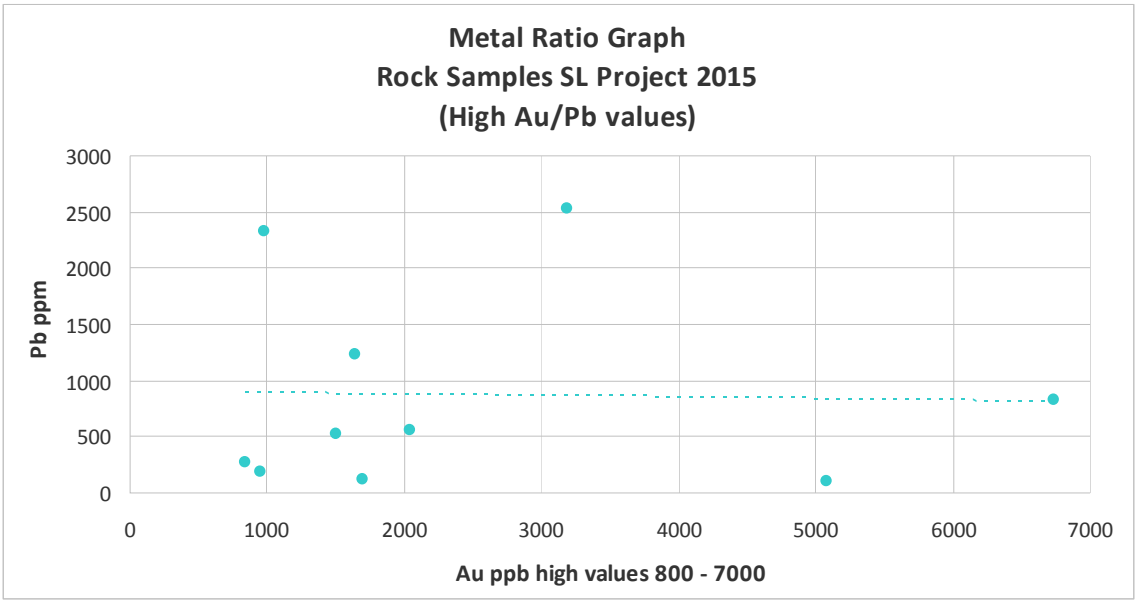

Metal Ratio Graph
Rock Samples SL Project 2015
(Low Au/Fe values)
Fe ppm
50
45
40
35
30
25
20
15
10
5
0
0
20
40
60
80
100
120
140
160
Au ppb low values 0 - 145

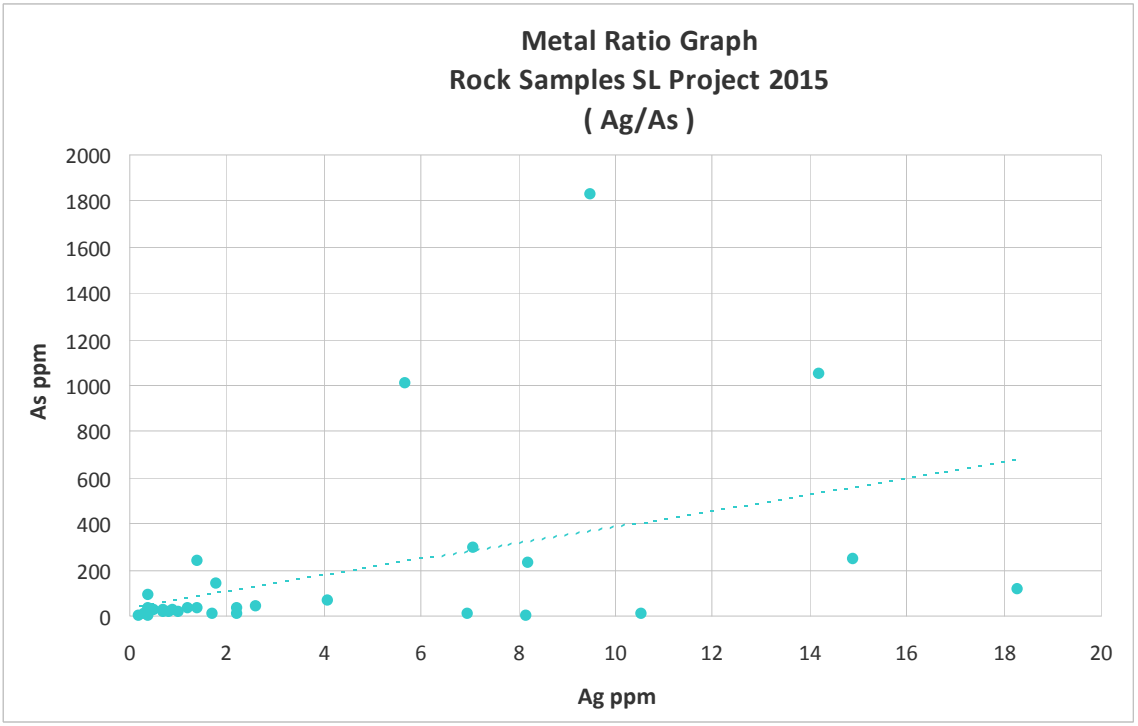

Metal Ratio Graph
Rock Samples SL Project 2015
(High Au/Fe values)
Fe ppm
45
40
35
30
25
20
15
10
5
0
0
1000
2000
3000
4000
5000
6000
7000
Au ppb high values 800 - 7000

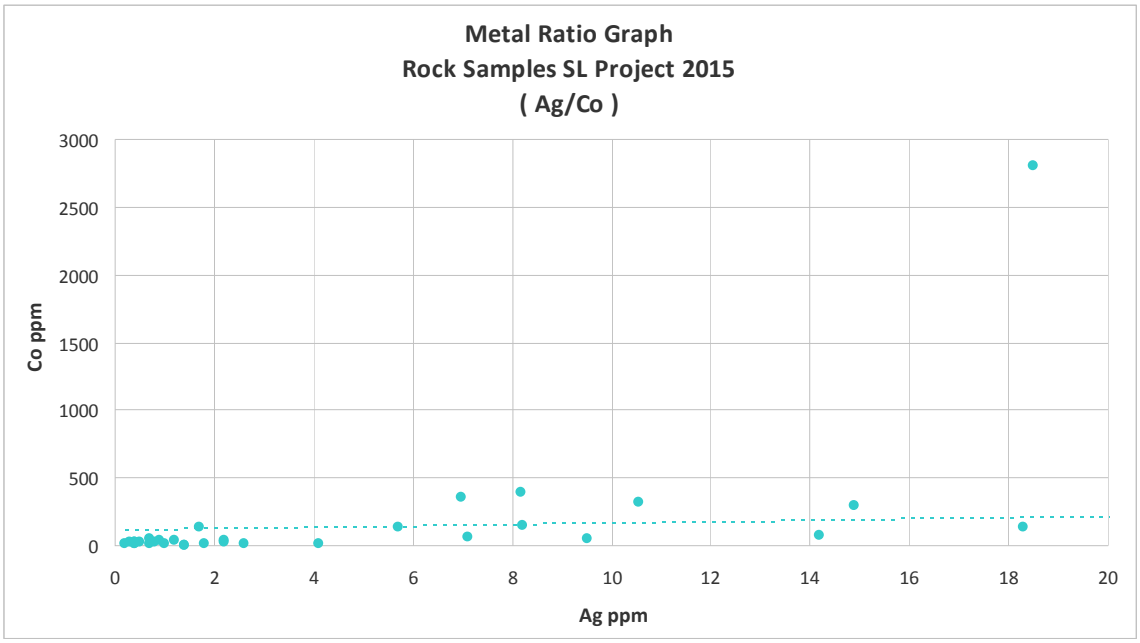

Metal Ratio Graph
Rock Samples SL Project 2015
(Low Au/Mo values)
Mo ppm
70
60
50
40
30
20
10
0
0
20
40
60
80
100
120
140
160
Au ppb low values 0 - 145

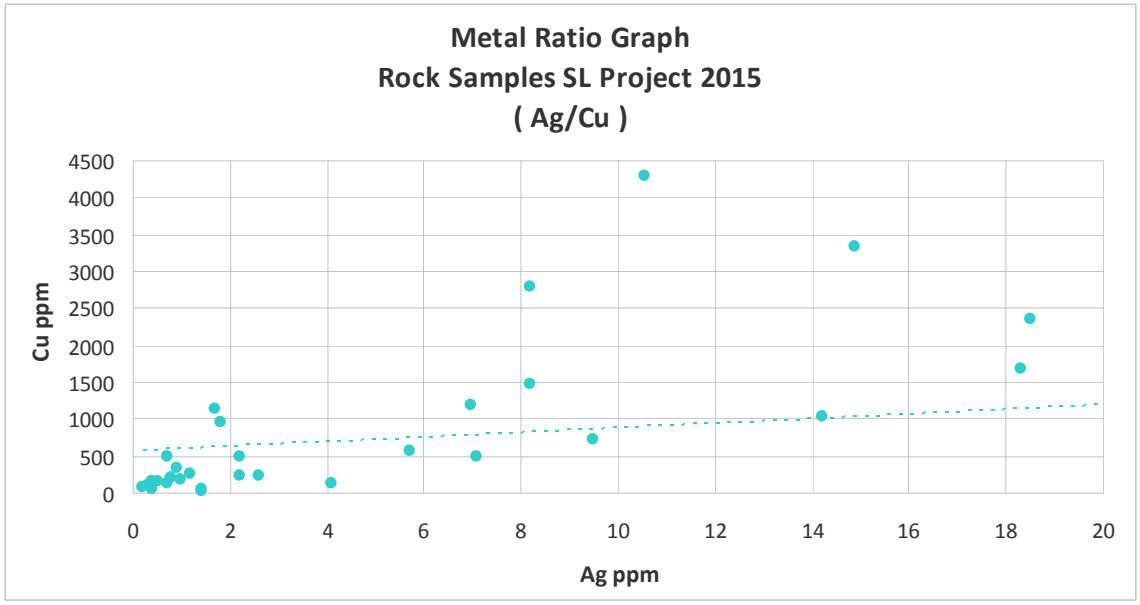

Metal Ratio Graph
Rock Samples SL Project 2015
(High Au/Mo values)
Mo ppm
120
100
80
60
40
20
0
0
1000
2000
3000
4000
5000
6000
7000
Au ppb high values 800 - 7000

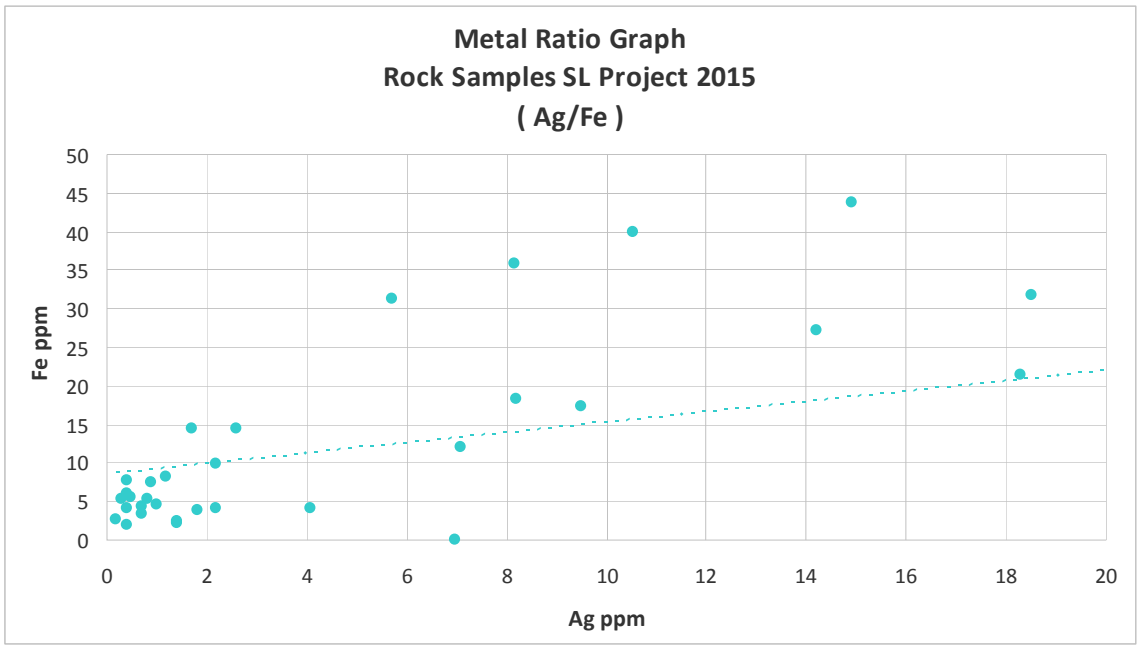

Metal Ratio Graph
Rock Samples SL Project 2015
(Low Au/Pb values)
Pb ppm
1000
900
800
700
600
500
400
300
200
100
0
0
20
40
60
80
100
120
140
160
Au ppb low values 0 - 145

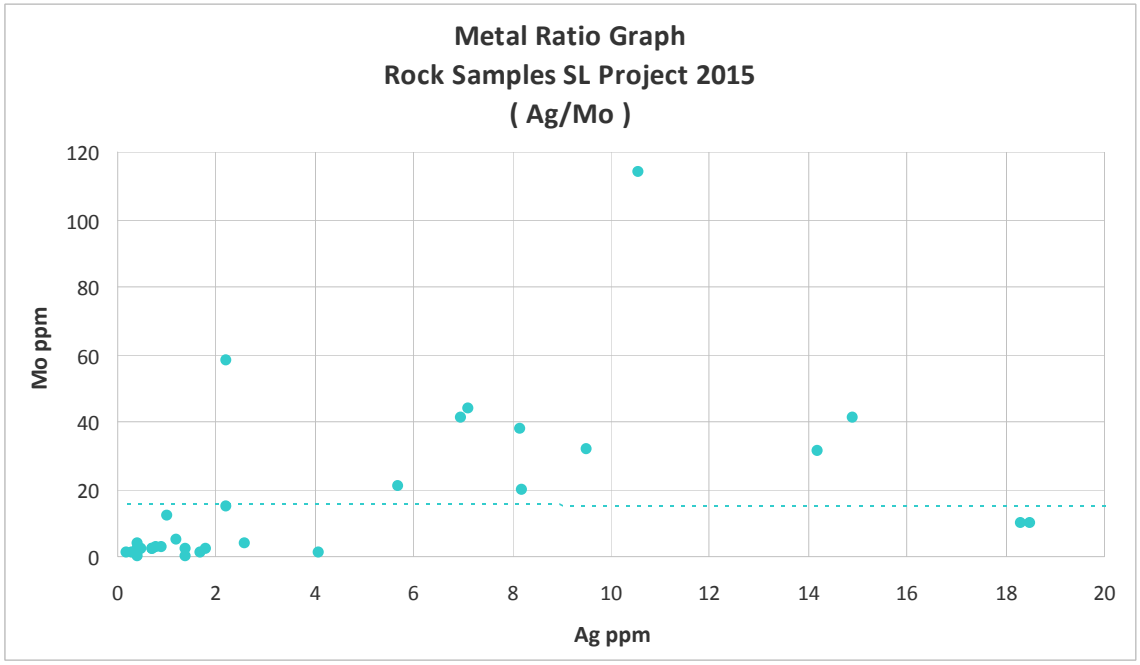

Metal Ratio Graph
Rock Samples SL Project 2015
(High Au/Pb values)
Pb ppm
3000
2500
2000
1500
1000
500
0
0
1000
2000
3000
4000
5000
6000
7000
Au ppb high values 800 - 7000

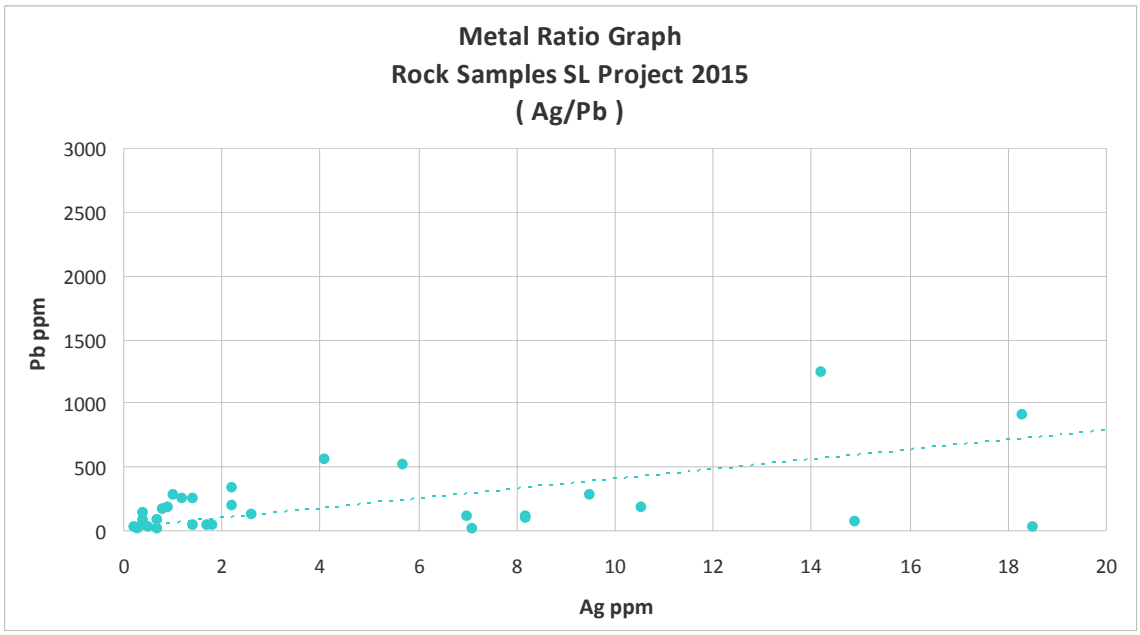

Metal Ratio Graph
Rock Samples SL Project 2015
(Ag/As)
As ppm
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
2
4
6
8
10
12
14
16
18
20
Ag ppm

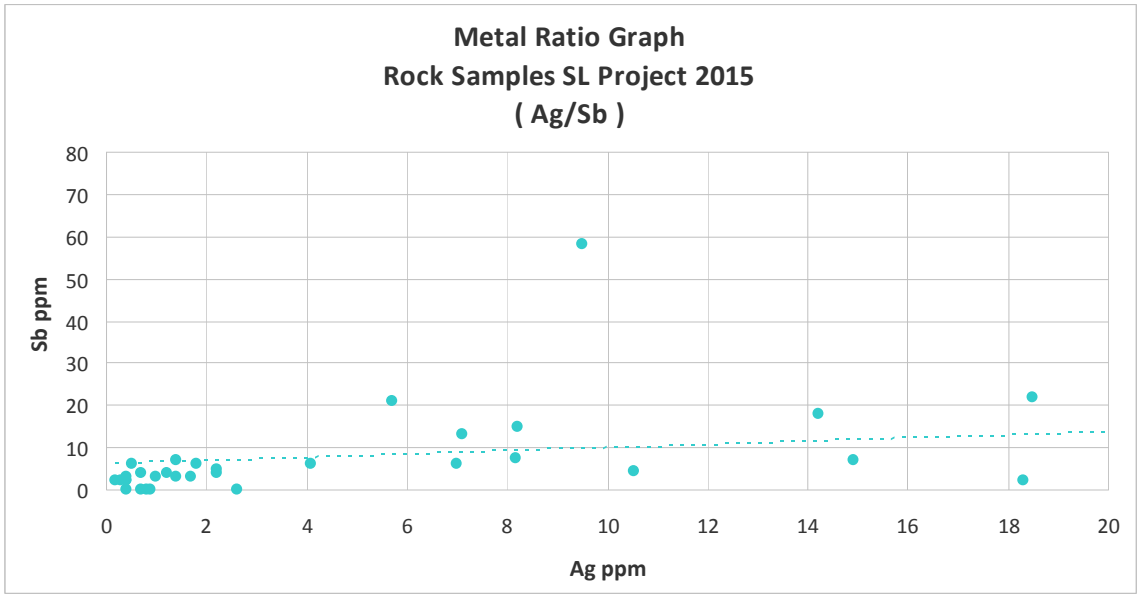

Metal Ratio Graph
Rock Samples SL Project 2015
(Ag/Co)
Co ppm
3000
2500
2000
1500
1000
500
0
0
2
4
6
8
10
12
14
16
18
20
Ag ppm

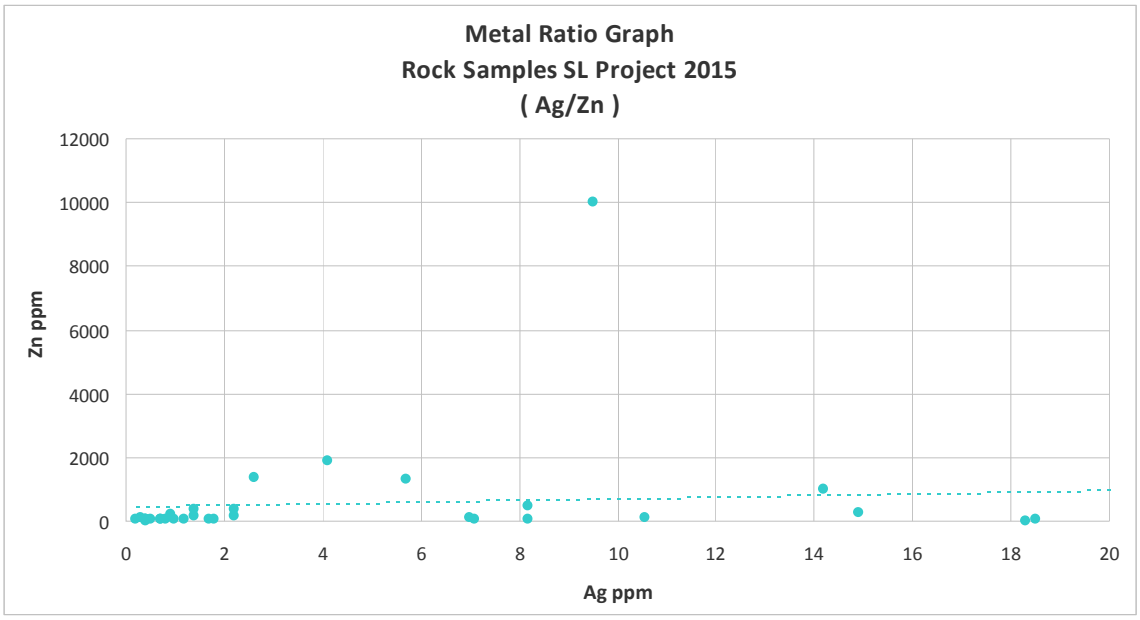

Metal Ratio Graph
Rock Samples SL Project 2015
(Ag/Cu)
Cu ppm
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
2
4
6
8
10
12
14
16
18
20
Ag ppm

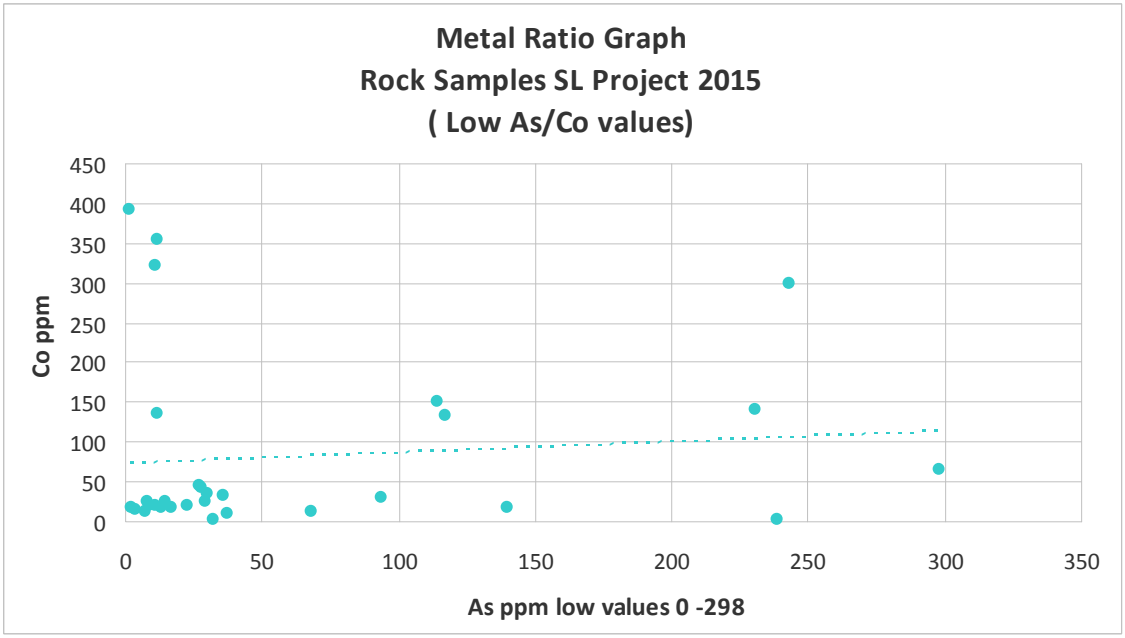

Metal Ratio Graph
Rock Samples SL Project 2015
(Ag/Fe)
Fe ppm
Ag ppm
0
5
10
15
20
25
30
35
40
45
50
0
2
4
6
8
10
12
14
16
18
20

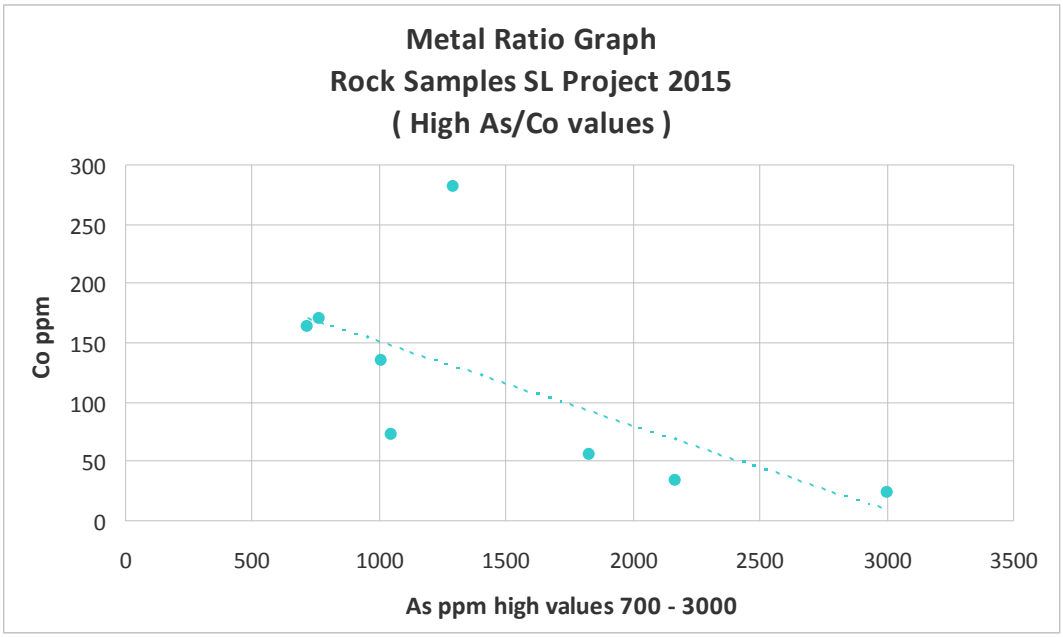

Metal Ratio Graph
Rock Samples SL Project 2015
(Ag/Mo)
Mo ppm
Ag ppm
0
20
40
60
80
100
120
0
2
4
6
8
10
12
14
16
18
20

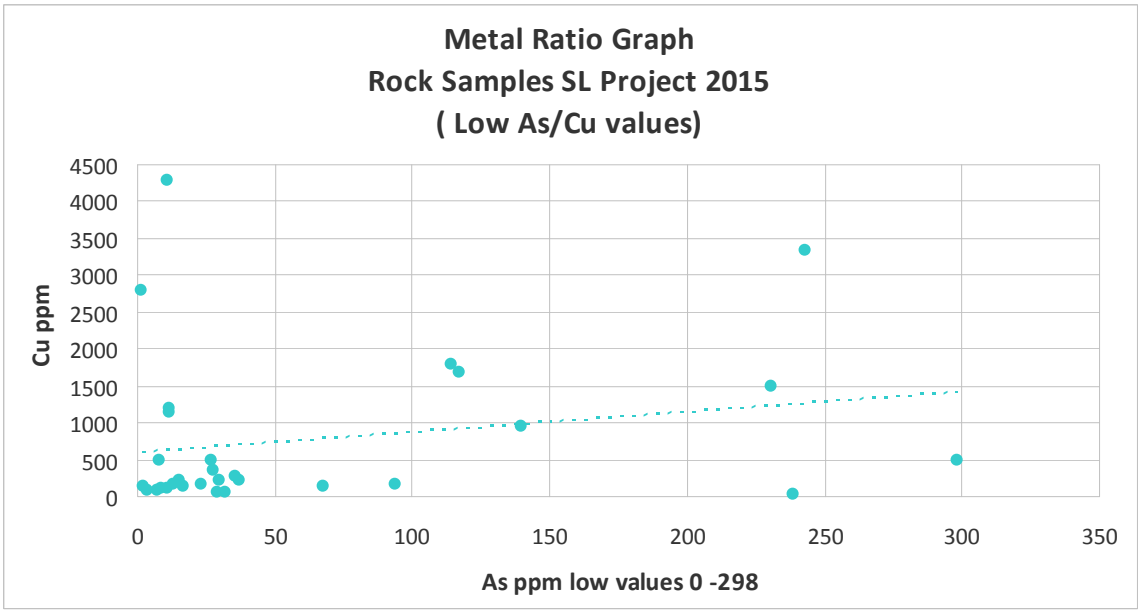

Metal Ratio Graph
Rock Samples SL Project 2015
(Ag/Pb)
Pb ppm
3000
2500
2000
1500
1000
500
0
0
2
4
6
8
10
12
14
16
18
20
Ag ppm

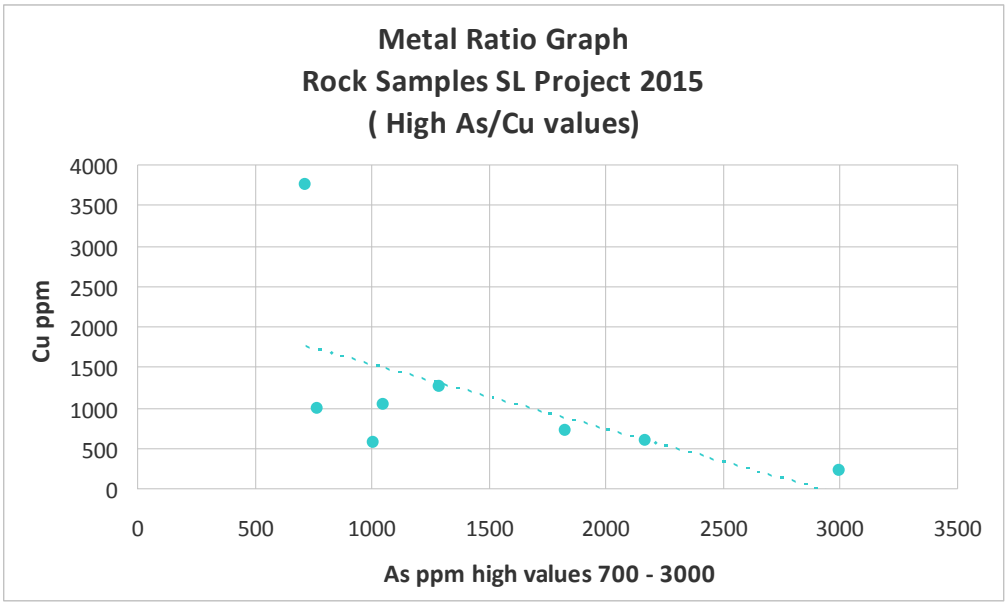

Metal Ratio Graph
Rock Samples SL Project 2015
(Ag/Sb)
Sb ppm
80
70
60
50
40
30
20
10
0
0
2
4
6
8
10
12
14
16
18
20
Ag ppm

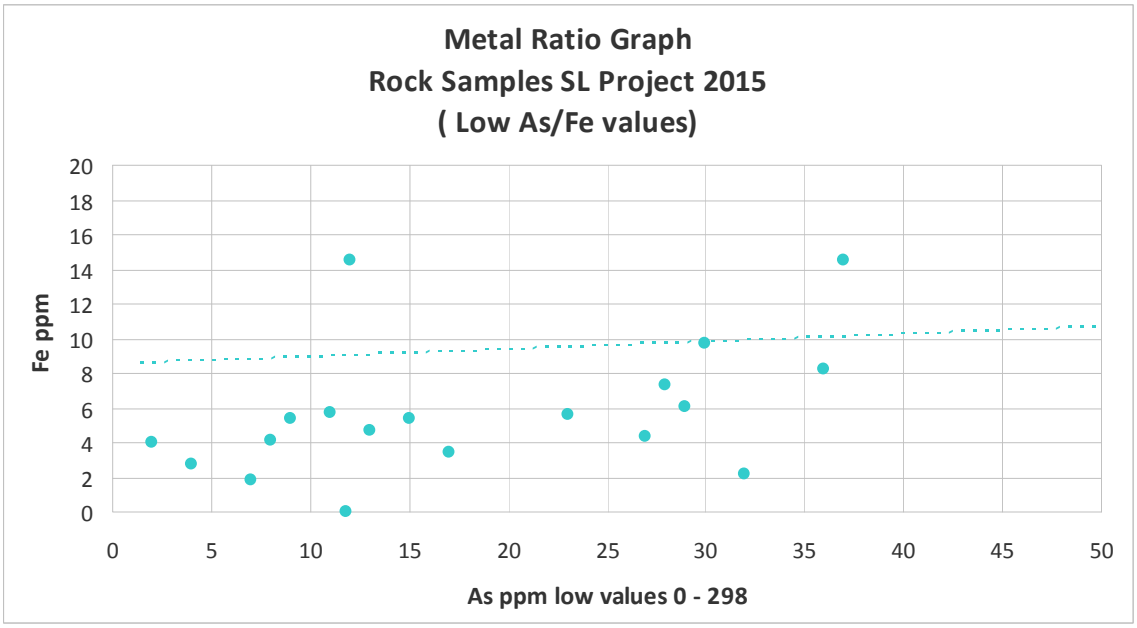

Metal Ratio Graph
Rock Samples SL Project 2015
(Ag/Zn)
Zn ppm
Ag ppm
12000
10000
8000
6000
4000
2000
0
0
2
4
6
8
10
12
14
16
18
20

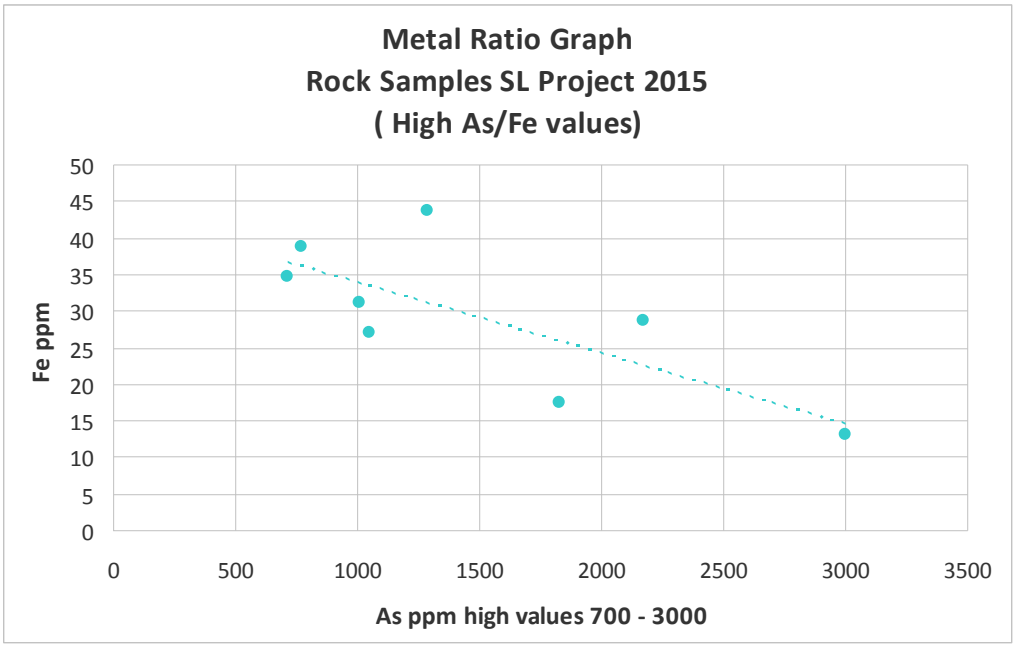

Metal Ratio Graph
Rock Samples SL Project 2015
(Low As/Co values)
Co ppm
As ppm low values 0 -298
450
400
350
300
250
200
150
100
50
0
0
50
100
150
200
250
300
350

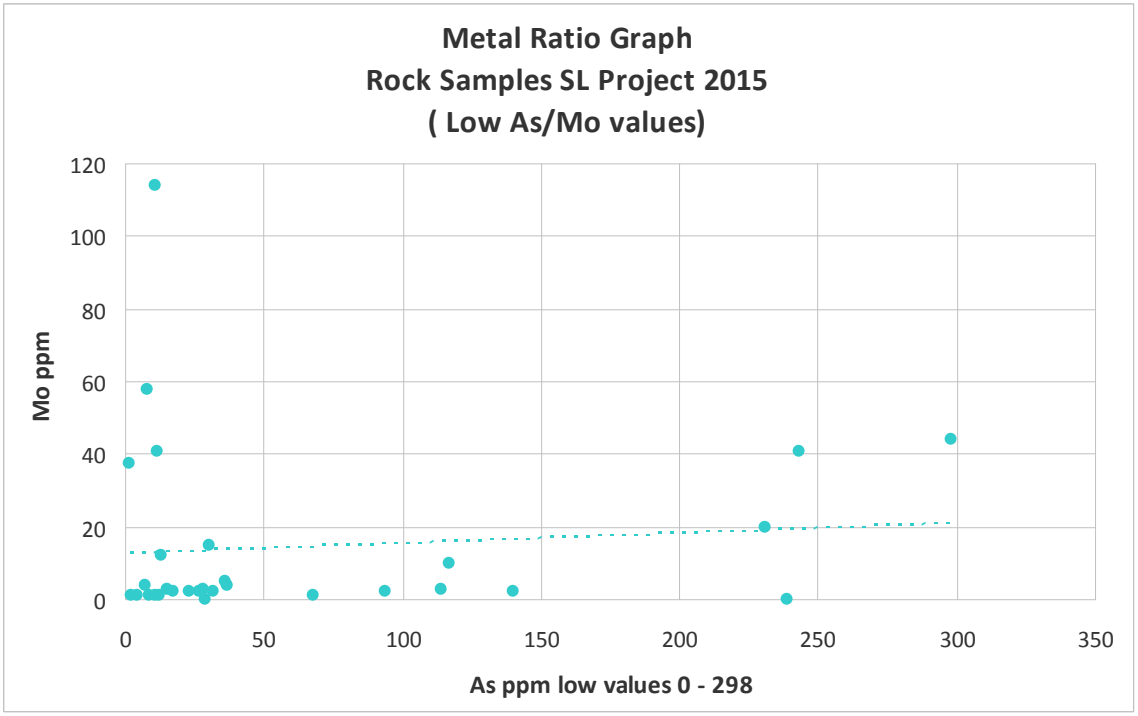

Metal Ratio Graph
Rock Samples SL Project 2015
(High As/Co values)
Co ppm
300
250
200
150
100
50
0
0
500
1000
1500
2000
2500
3000
3500
As ppm high values 700 - 3000

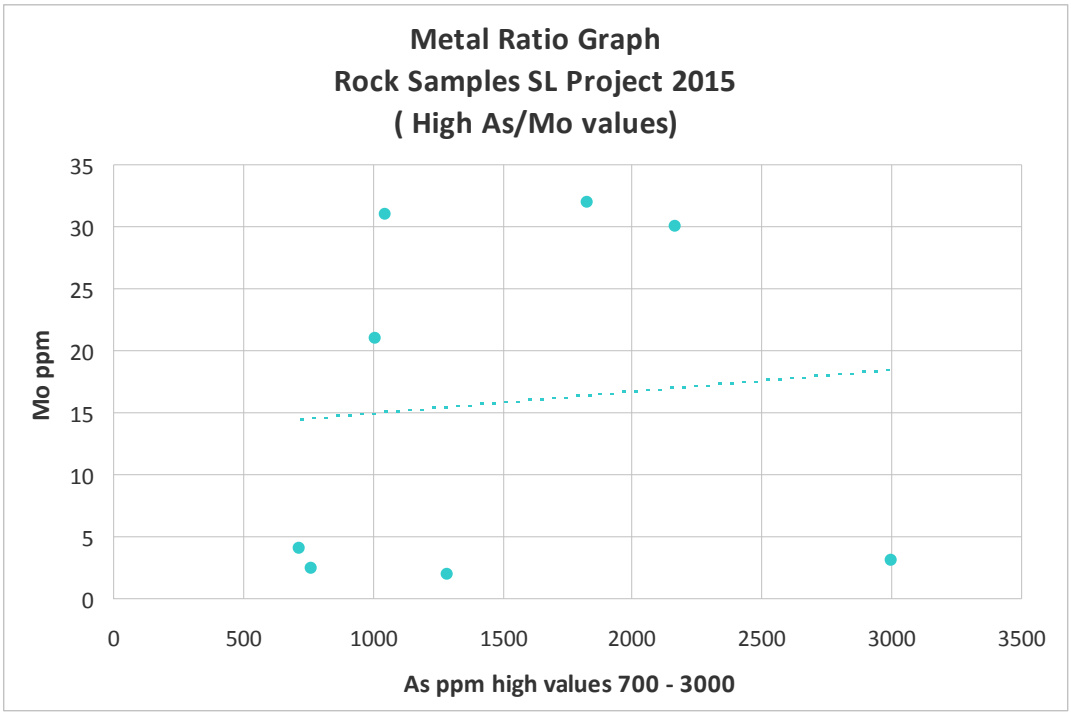

Metal Ratio Graph
Rock Samples SL Project 2015
(Low As/Cu values)
Cu ppm
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
350
As ppm low values 0 -298

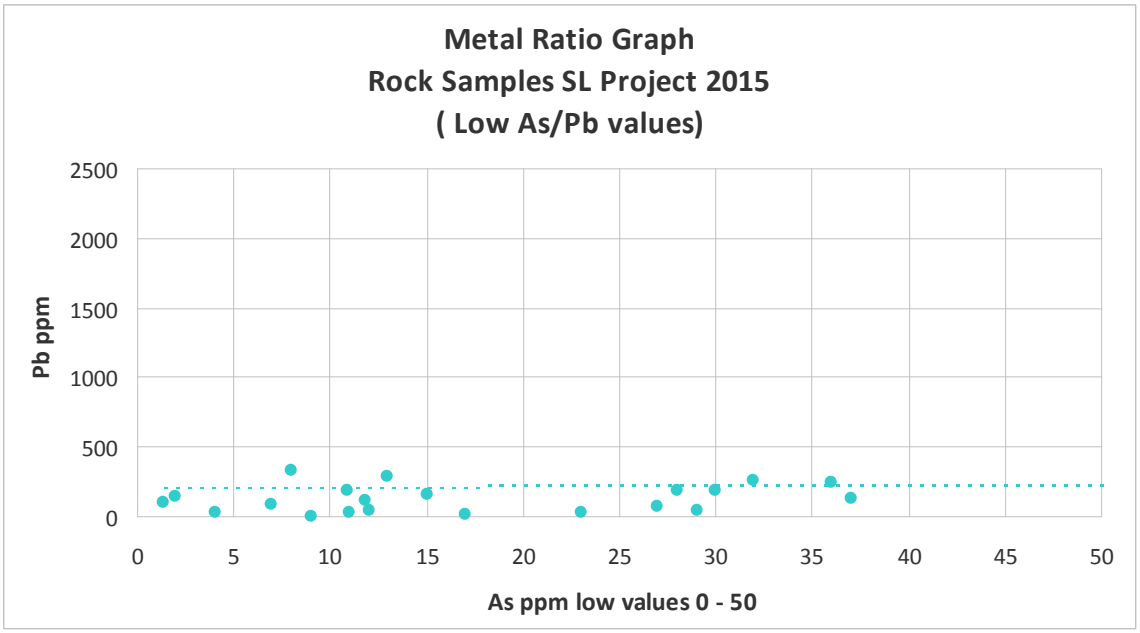

Metal Ratio Graph
Rock Samples SL Project 2015
(High As/Cu values)
Cu ppm
4000
3500
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
As ppm high values 700 - 3000

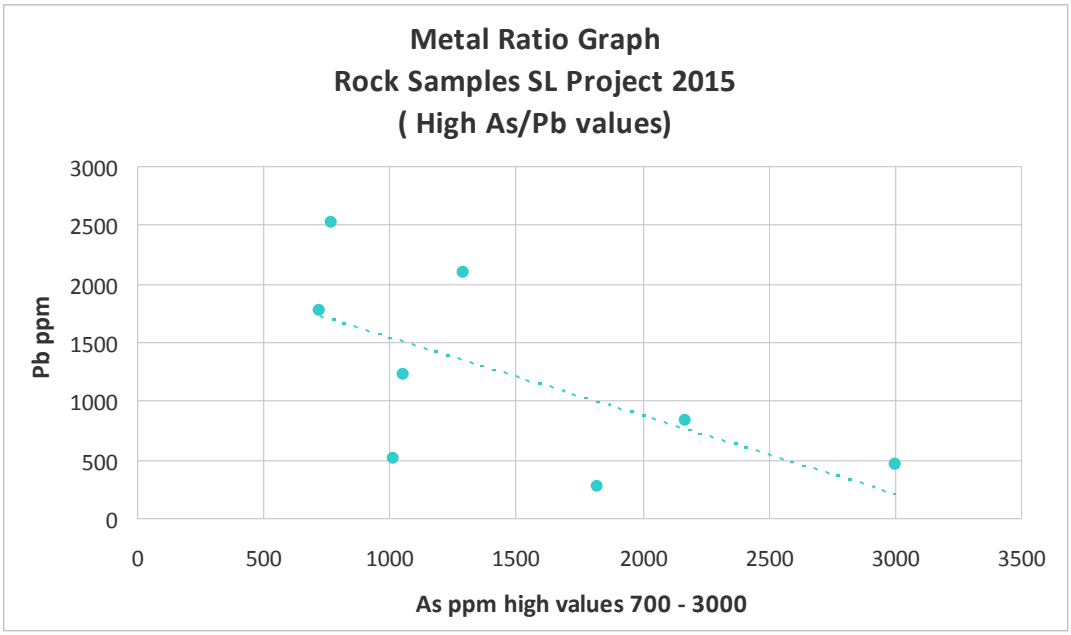

Metal Ratio Graph
Rock Samples SL Project 2015
(Low As/Fe values)
Fe ppm
20
18
16
14
12
10
8
6
4
2
0
0
5
10
15
20
25
30
35
40
45
50
As ppm low values 0 - 298

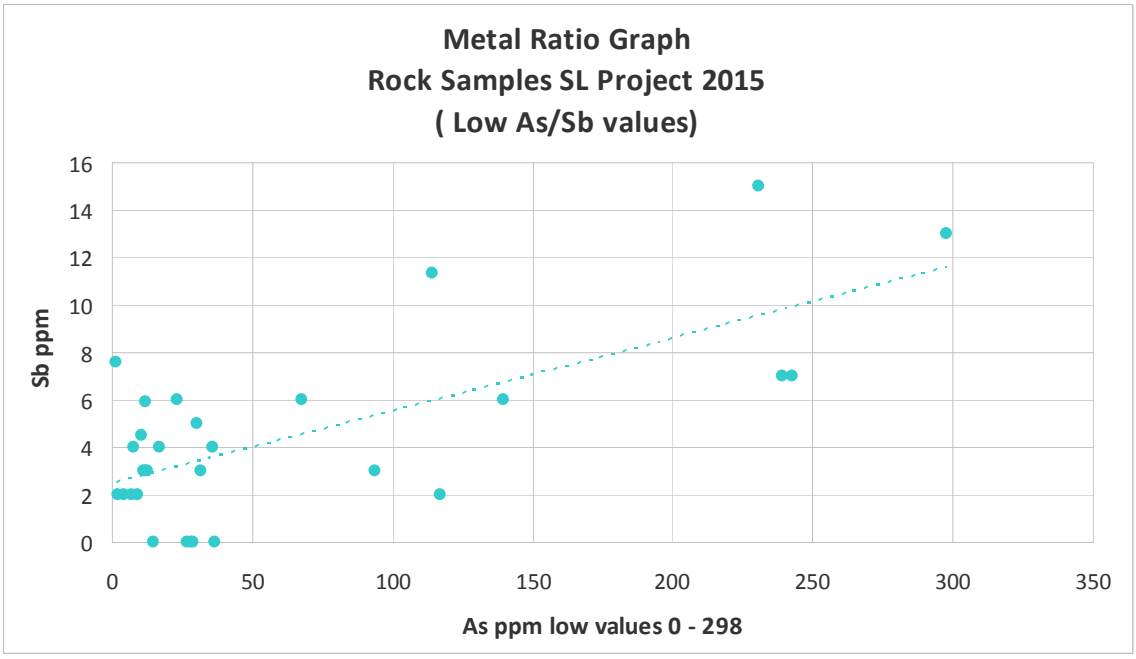

Metal Ratio Graph
Rock Samples SL Project 2015
(High As/Fe values)
Fe ppm
50
45
40
35
30
25
20
15
10
5
0
0
500
1000
1500
2000
2500
3000
3500
As ppm high values 700 - 3000

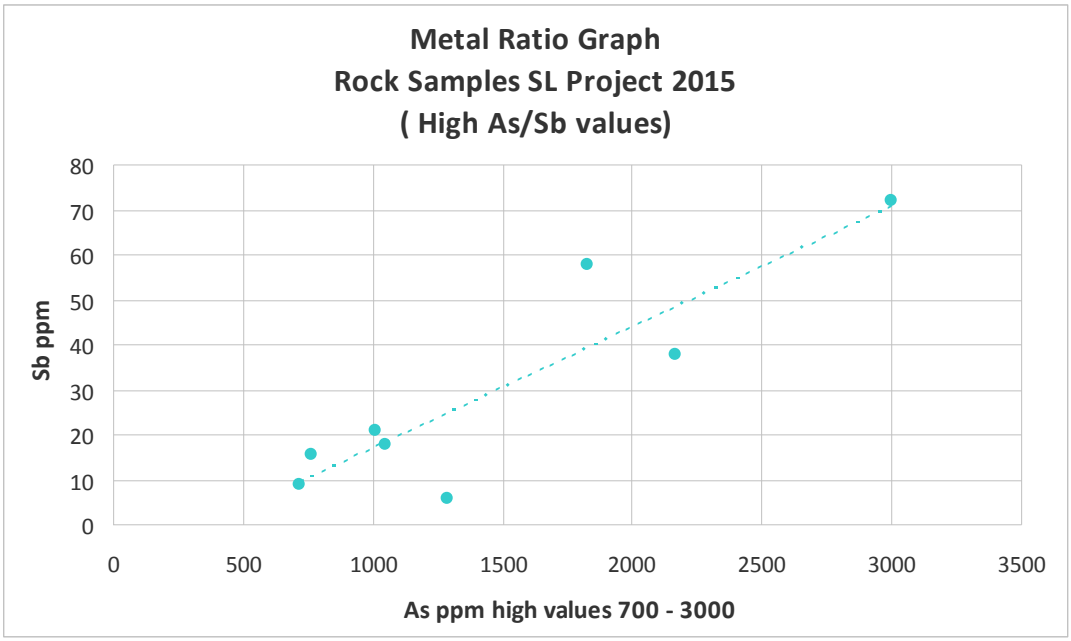

Metal Ratio Graph
Rock Samples SL Project 2015
(Low As/Mo values)
Mo ppm
120
100
80
60
40
20
0
0
50
100
150
200
250
300
350
As ppm low values 0 - 298

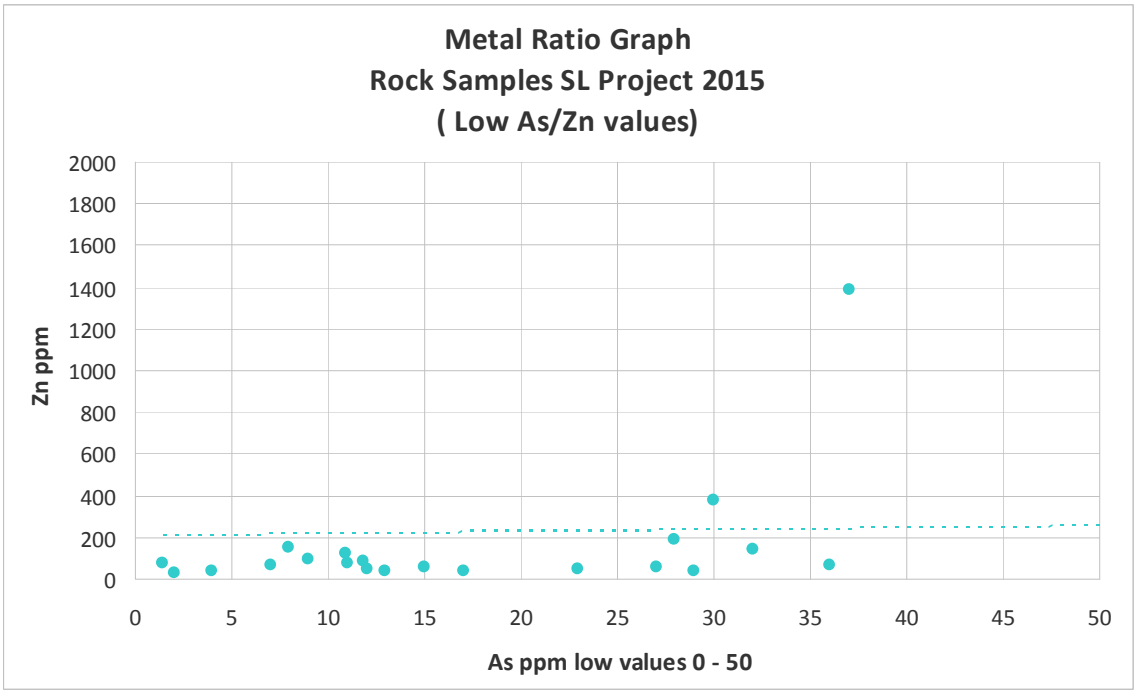

Metal Ratio Graph
Rock Samples SL Project 2015
(High As/Mo values)
Mo ppm
35
30
25
20
15
10
5
0
0
500
1000
1500
2000
2500
3000
3500
As ppm high values 700 - 3000

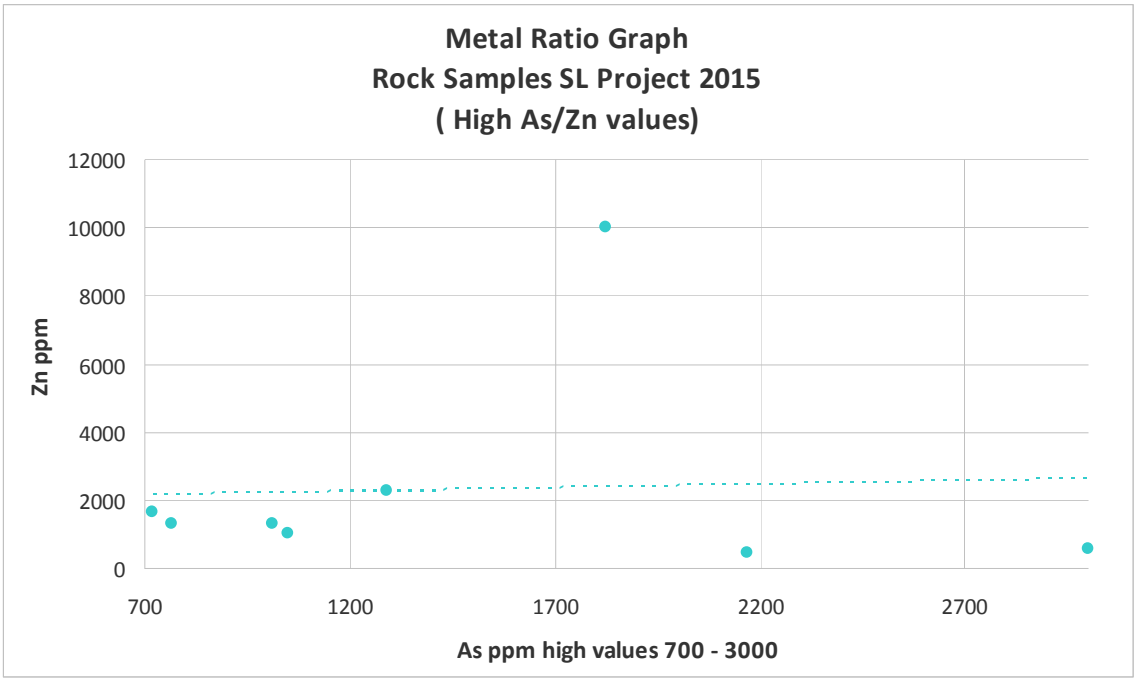

Metal Ratio Graph
Rock Samples SL Project 2015
(Low As/Pb values)
Pb ppm
2500
2000
1500
1000
500
0
0
5
10
15
20
25
30
35
40
45
50
As ppm low values 0 - 50

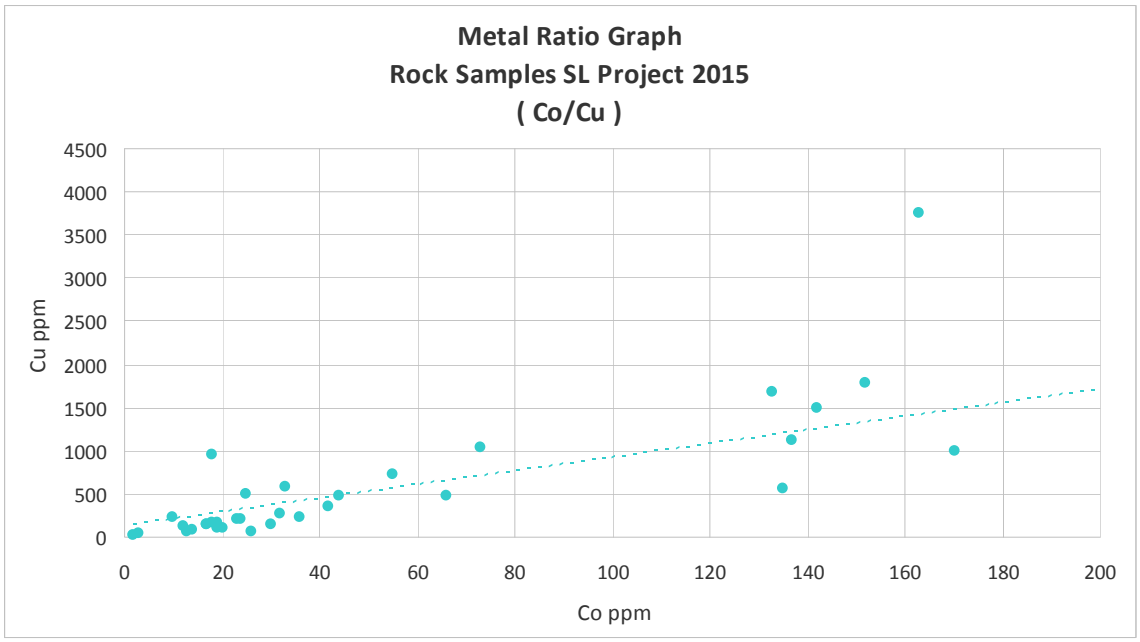

Metal Ratio Graph
Rock Samples SL Project 2015
(High As/Pb values)
Pb ppm
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
As ppm high values 700 - 3000

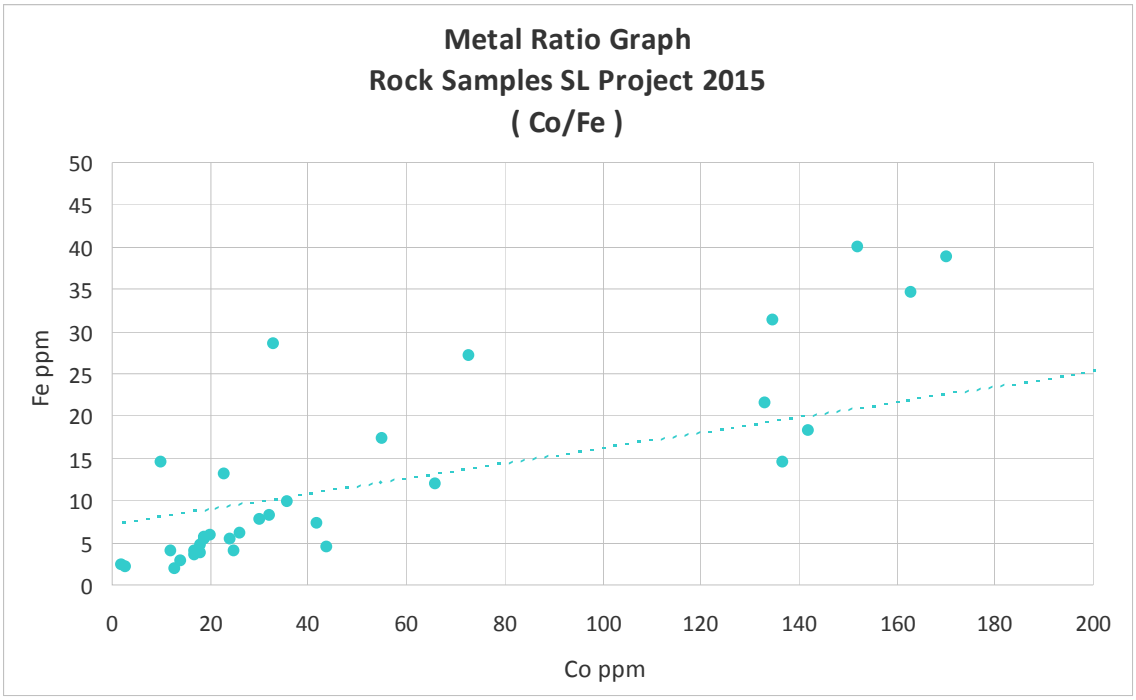

Metal Ratio Graph
Rock Samples SL Project 2015
(Low As/Sb values)
Sb ppm
16
14
12
10
8
6
4
2
0
0
50
100
150
200
250
300
350
As ppm low values 0 - 298

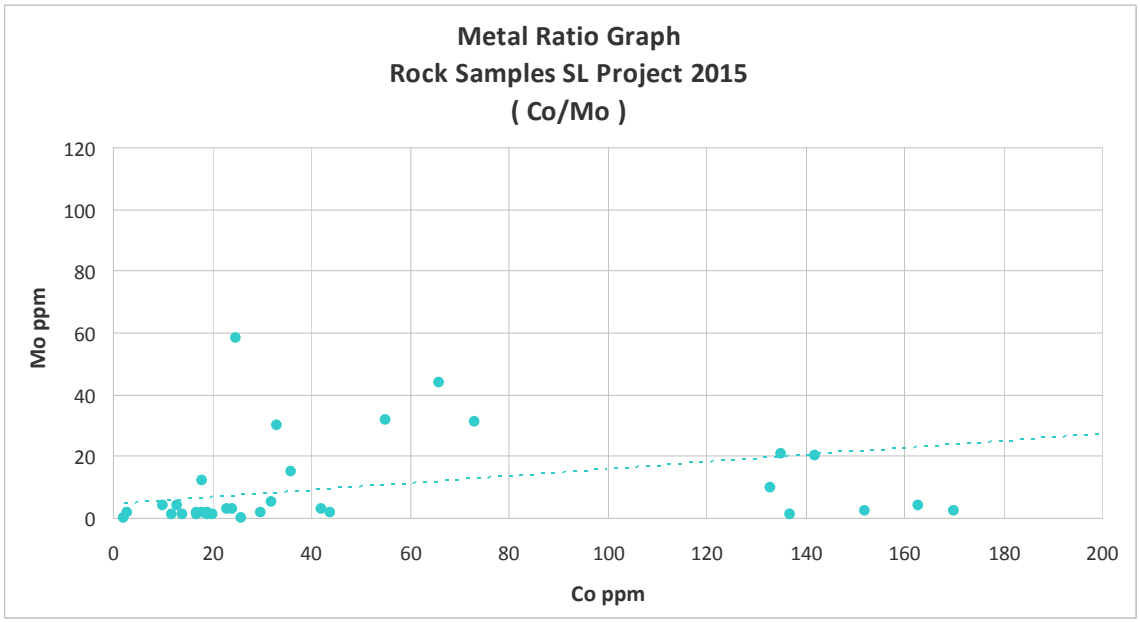

Metal Ratio Graph
Rock Samples SL Project 2015
(High As/Sb values)
Sb ppm
80
70
60
50
40
30
20
10
0
0
500
1000
1500
2000
2500
3000
3500
As ppm high values 700 - 3000

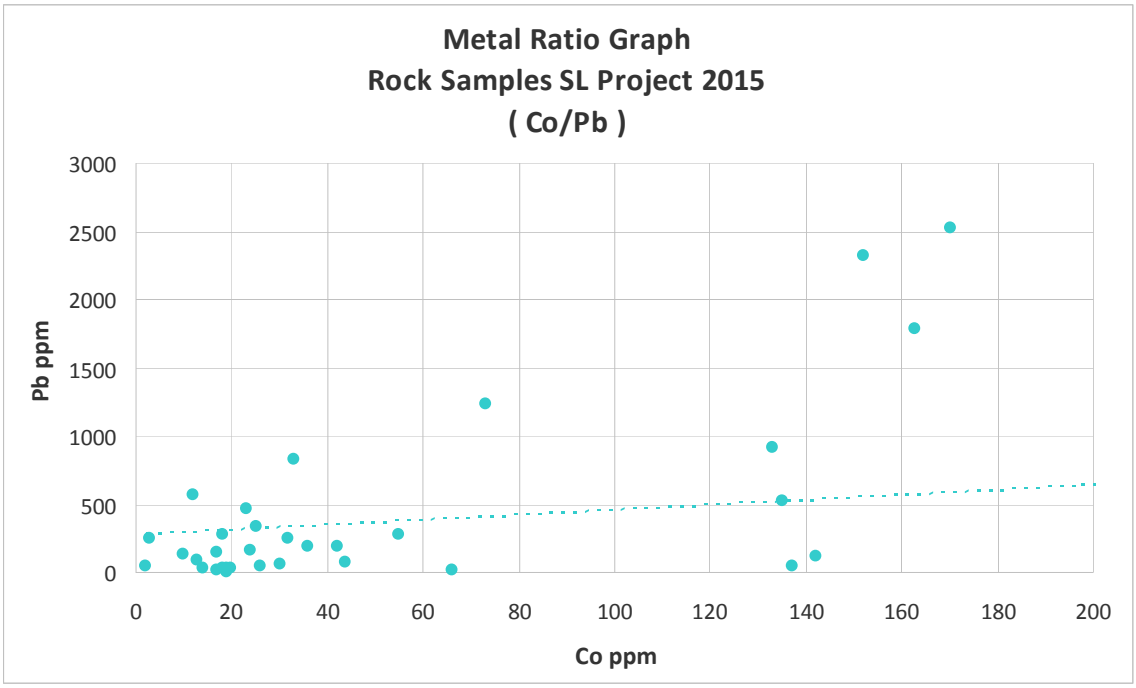

Metal Ratio Graph
Rock Samples SL Project 2015
(Low As/Zn values)
Zn ppm
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
5
10
15
20
25
30
35
40
45
50
As ppm low values 0 - 50

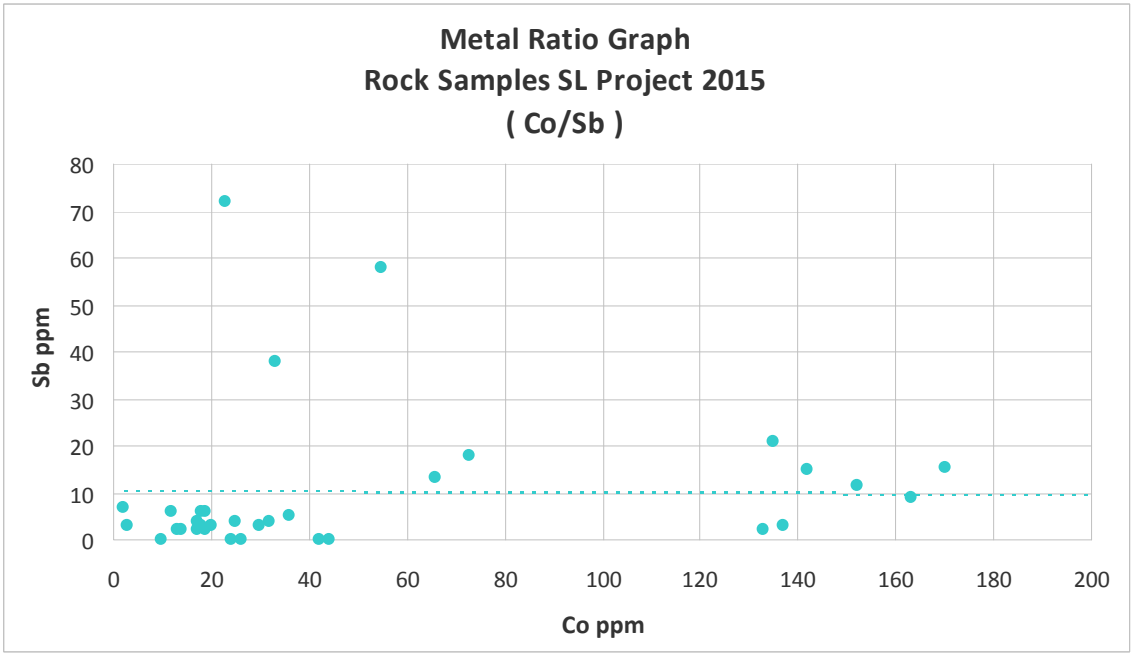

Metal Ratio Graph
Rock Samples SL Project 2015
(High As/Zn values)
Zn ppm
12000
10000
8000
6000
4000
2000
0
700
1200
1700
2200
2700
As ppm high values 700 - 3000

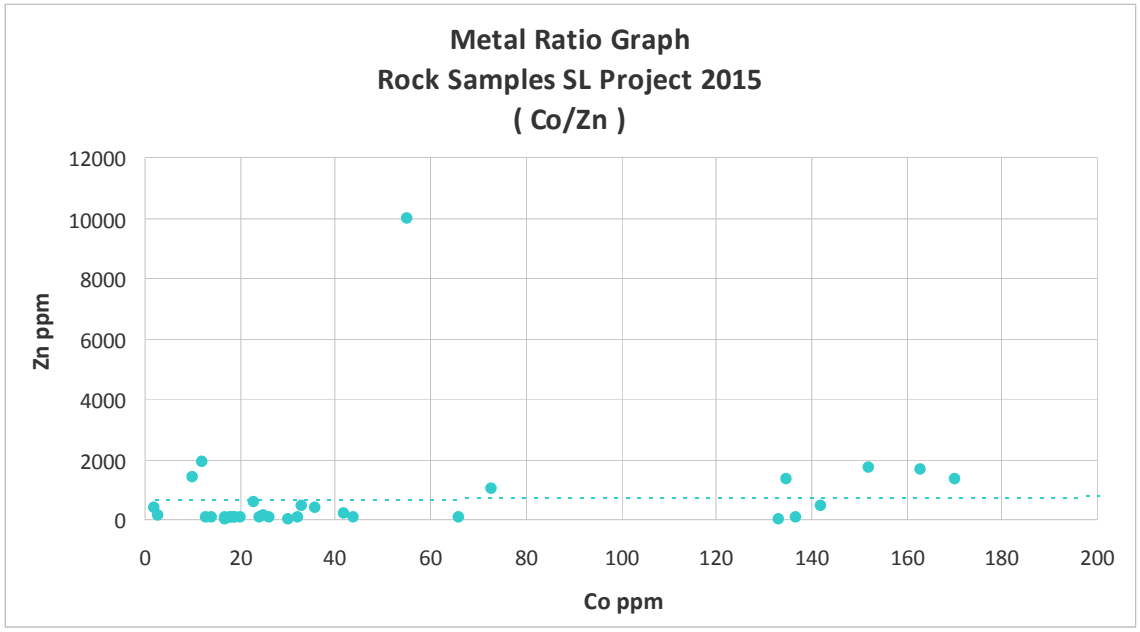

Metal Ratio Graph
Rock Samples SL Project 2015
(Co/Cu)
Cu ppm
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
140
160
180
200
Co ppm

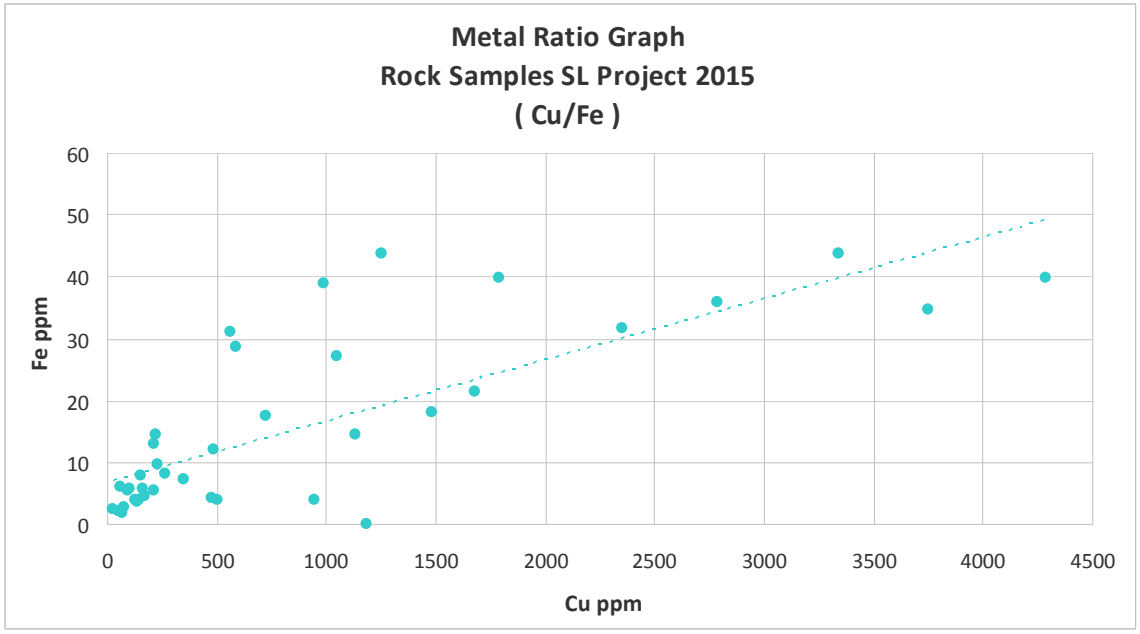

Metal Ratio Graph
Rock Samples SL Project 2015
(Co/Fe)
Fe ppm
Co ppm
0
5
10
15
20
25
30
35
40
45
50
0
20
40
60
80
100
120
140
160
180
200


Metal Ratio Graph
Rock Samples SL Project 2015
(Co/Mo)
Mo ppm
Co ppm
0
20
40
60
80
100
120
0
20
40
60
80
100
120
140
160
180
200


Metal Ratio Graph
Rock Samples SL Project 2015
(Co/Pb)
Pb ppm
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100
120
140
160
180
200
Co ppm


Metal Ratio Graph
Rock Samples SL Project 2015
(Co/Sb)
Sb ppm
80
70
60
50
40
30
20
10
0
0
20
40
60
80
100
120
140
160
180
200
Co ppm


Metal Ratio Graph
Rock Samples SL Project 2015
(Co/Zn)
Zn ppm
Co ppm
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
200


Metal Ratio Graph
Rock Samples SL Project 2015
(Cu/Fe)
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Cu ppm
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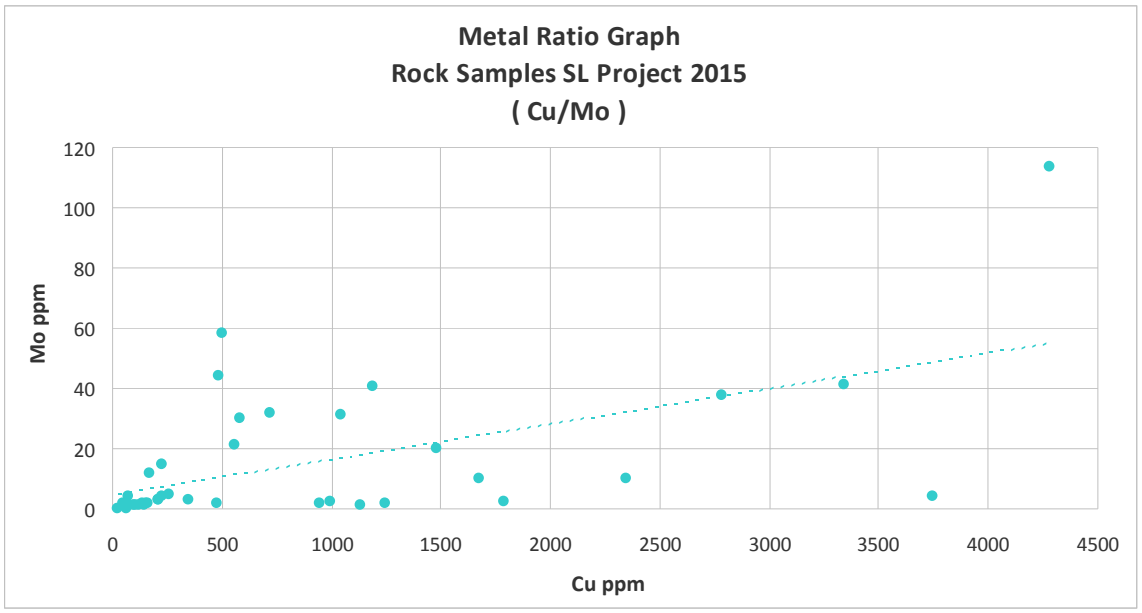
4000
4500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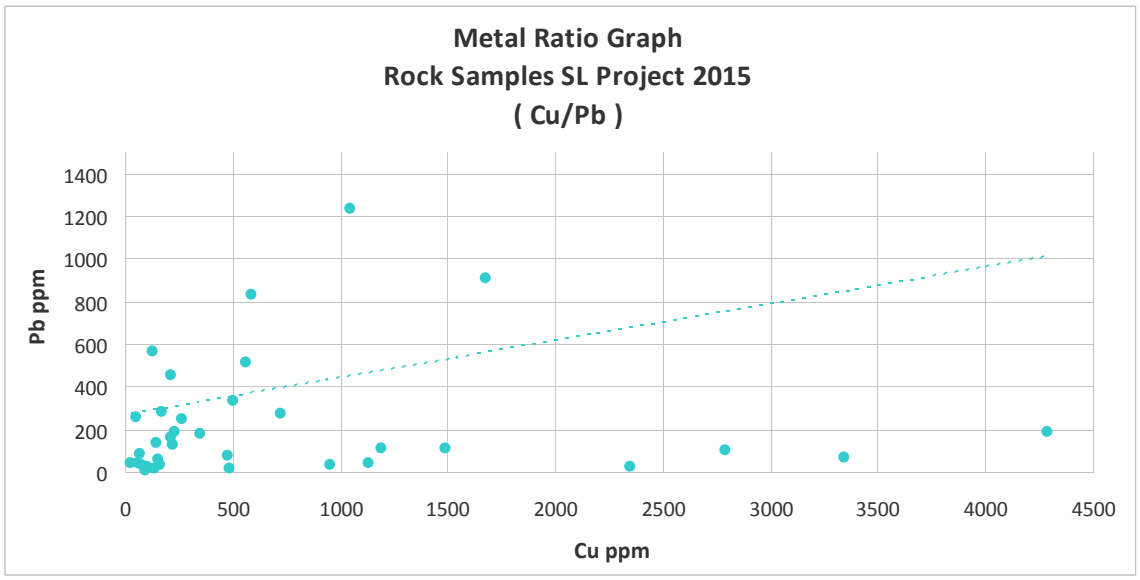
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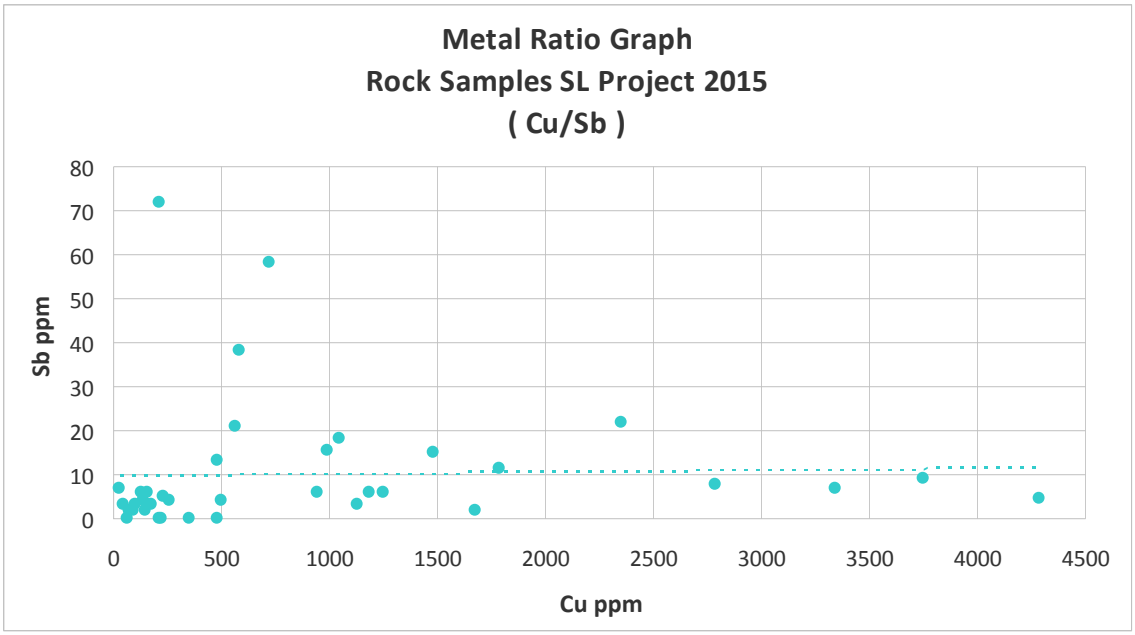
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Rock Samples SL Project 2015
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4000
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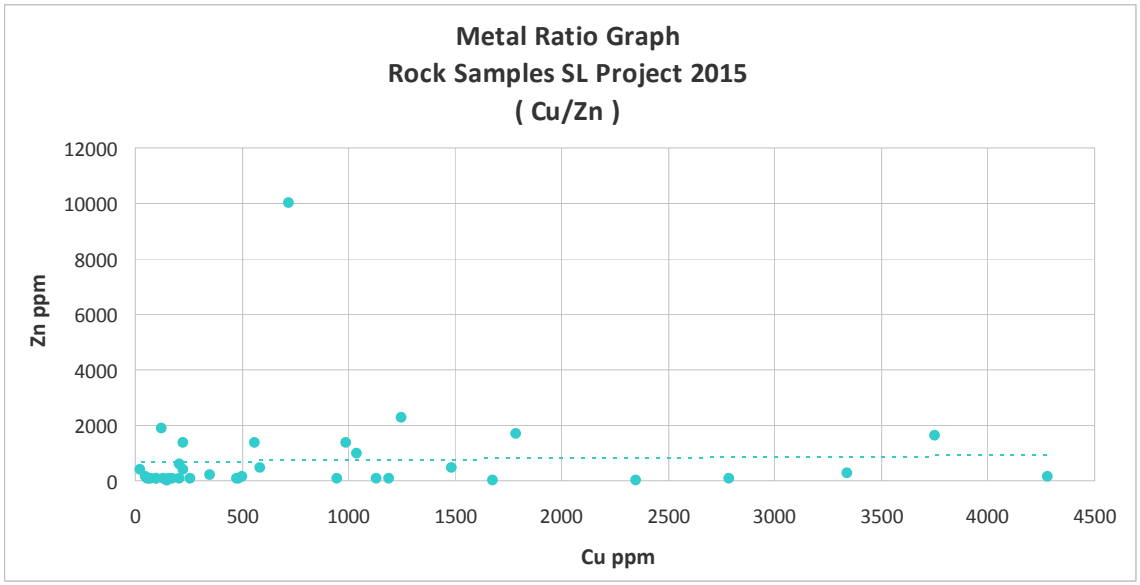
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Cu ppm
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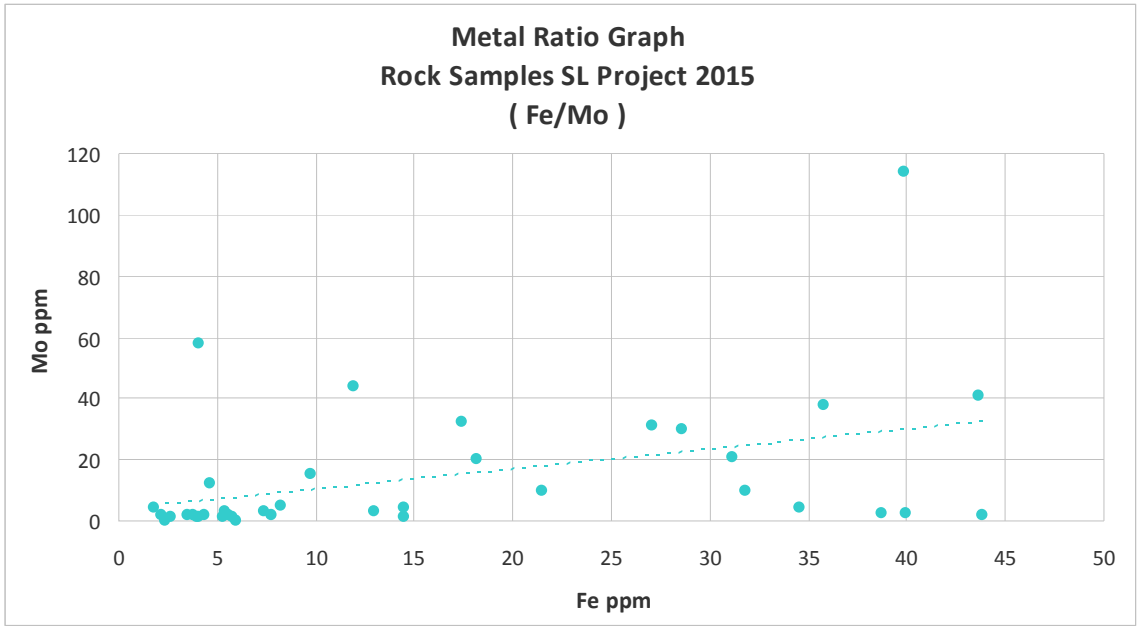
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Rock Samples SL Project 2015
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Fe ppm
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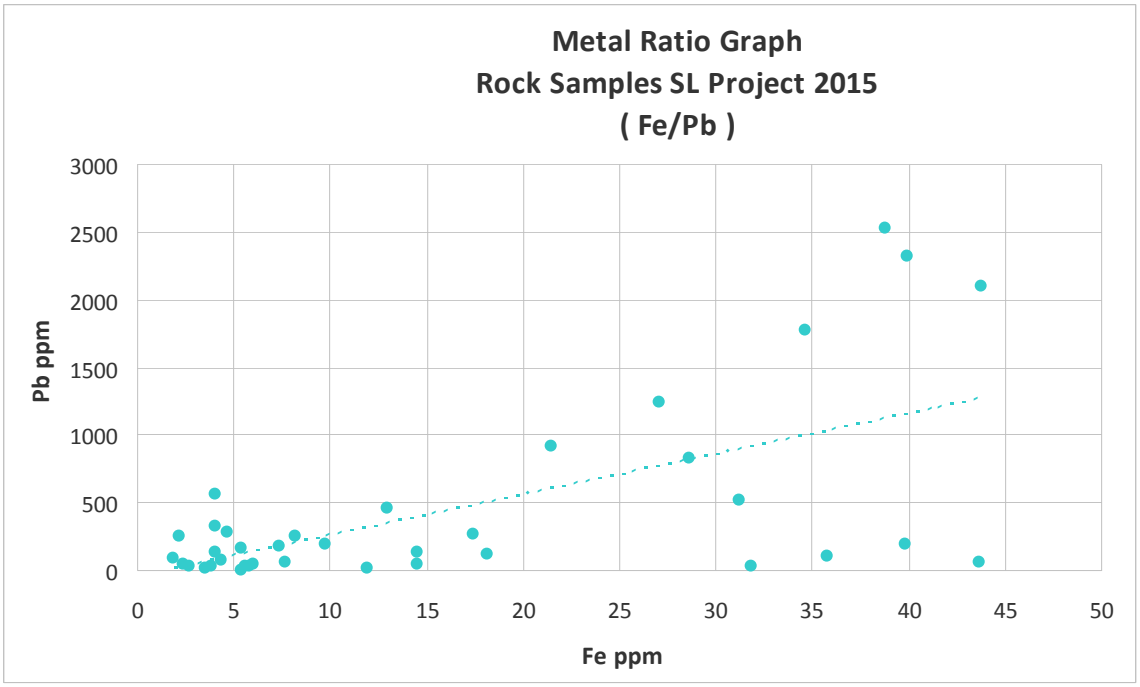
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Fe ppm
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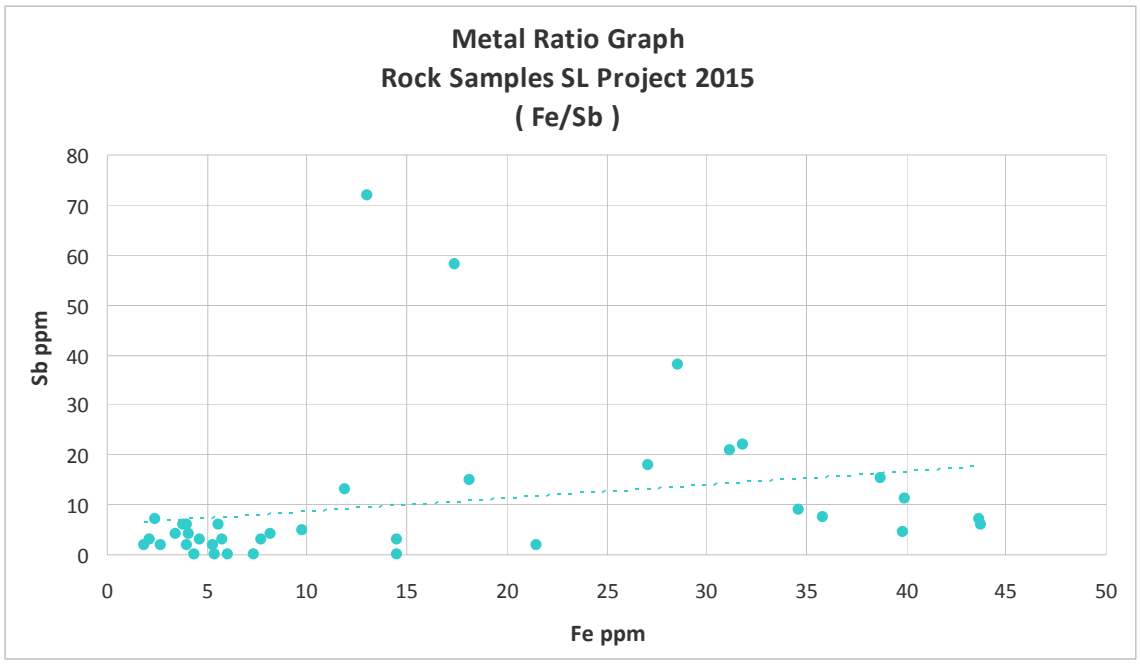
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Rock Samples SL Project 2015
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Fe ppm
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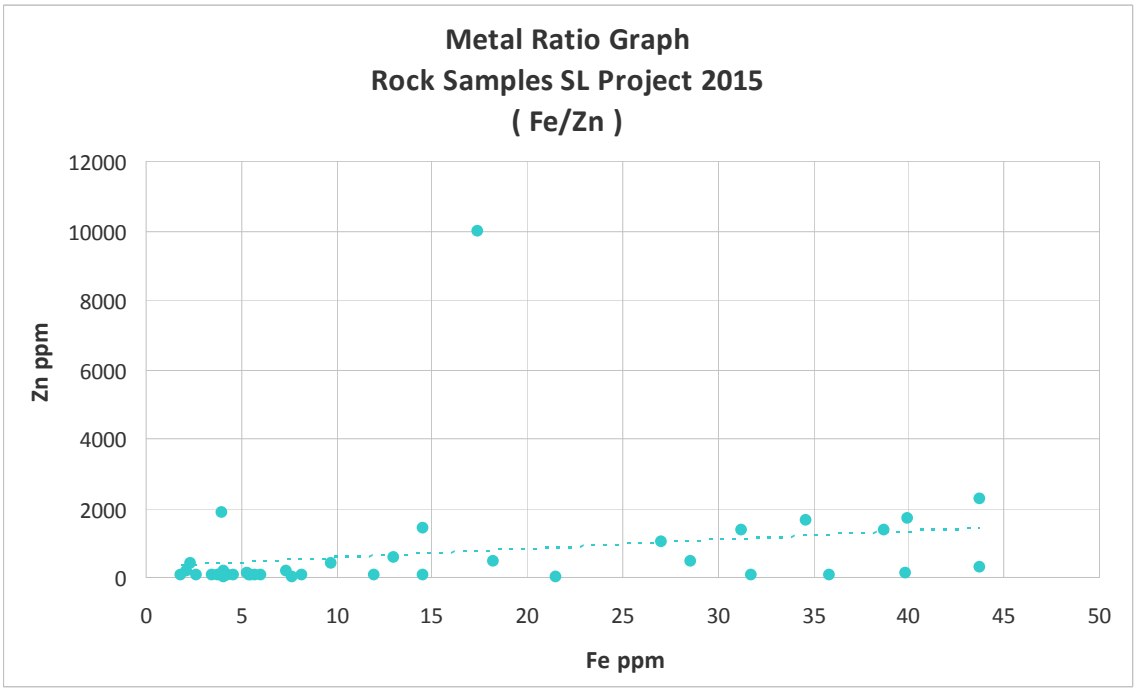
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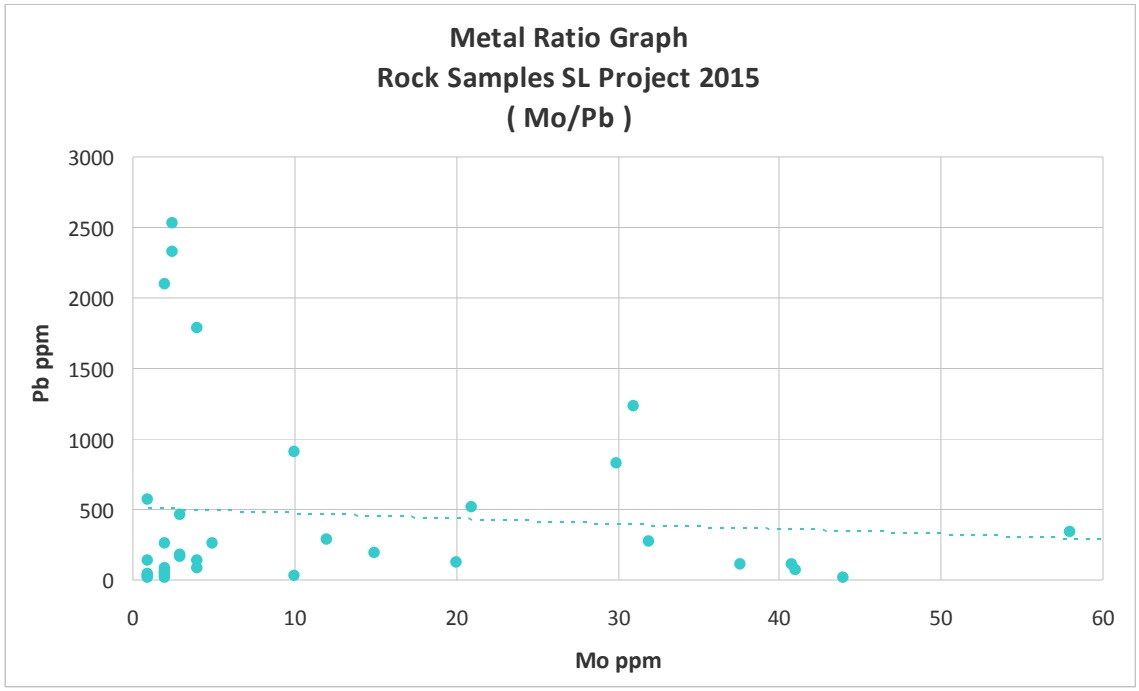
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Rock Samples SL Project 2015
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Mo ppm
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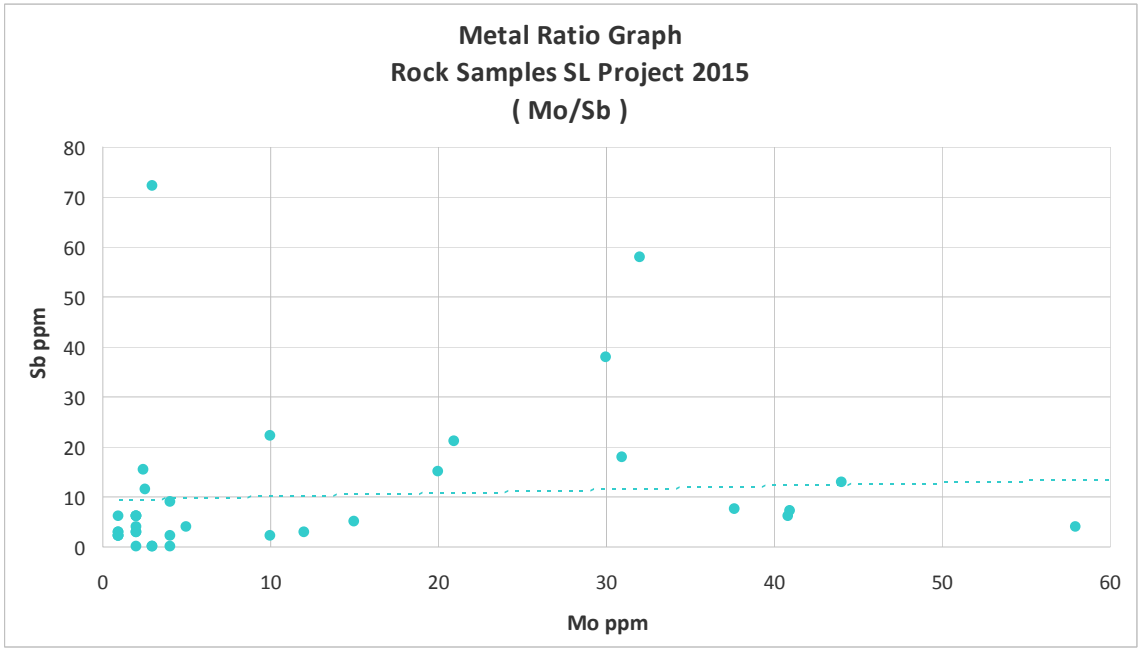
50
60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Rock Samples SL Project 2015
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Mo ppm
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40
50
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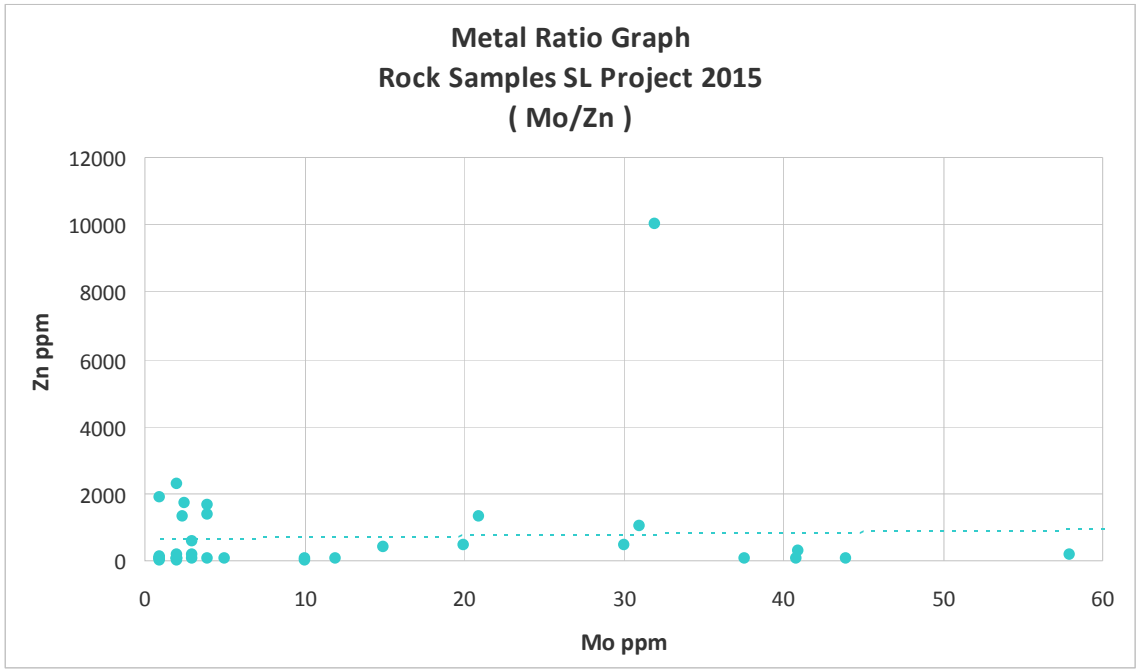
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Rock Samples SL Project 2015
(Mo/Zn)
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Mo ppm
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50
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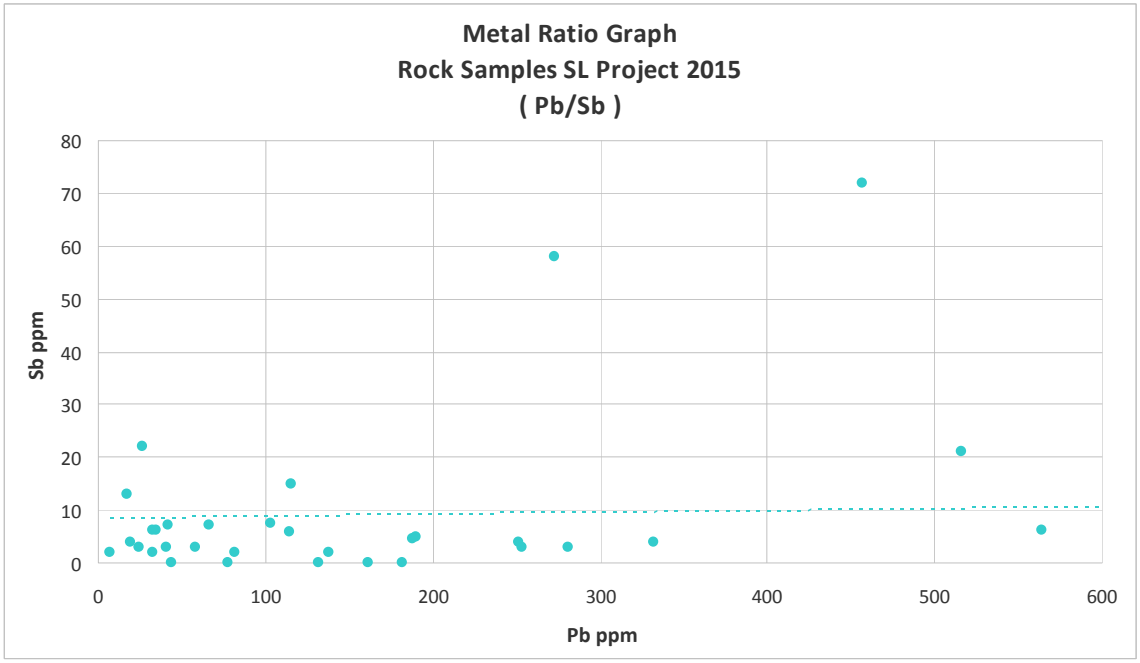
Metal Ratio Graph
Rock Samples SL Project 2015
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Sb ppm
Pb ppm
80
70
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50
40
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100
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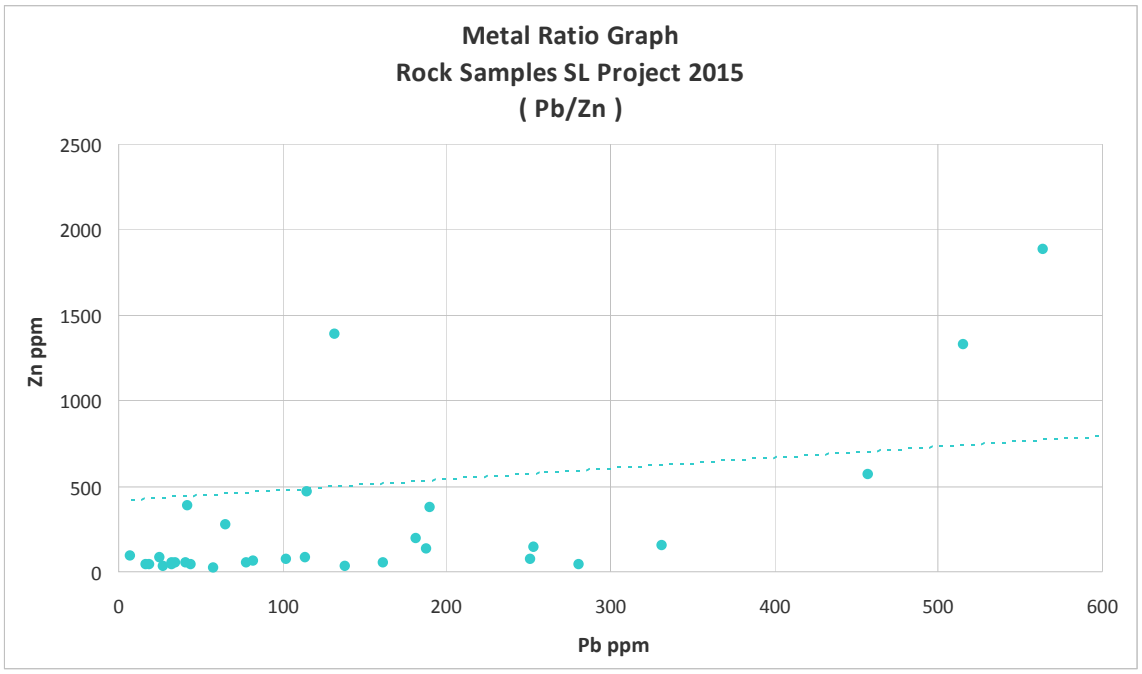
300
400
500
600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Rock Samples SL Project 2015
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Zn ppm
Pb ppm
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1500
1000
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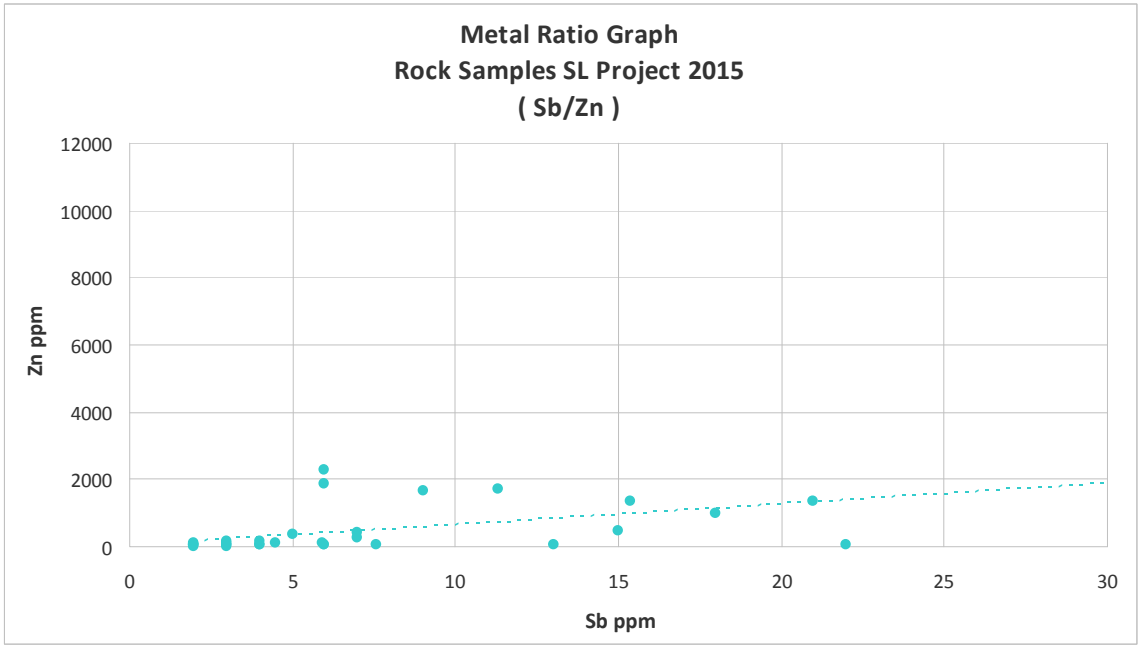
200
300
400
500
600


Metal Ratio Graph
Rock Samples SL Project 2015
(Sb/Zn)
Zn ppm
Sb ppm
12000
10000
8000
6000
4000
2000
0
0
5
10
15
20
25
30

Appendix D – Petrographic Reports

VANPETRO
VANCOUVER PETROGRAPHICS LTD

Report for: Katerina Paley, BSc.
ALS Minerals Division

Sent to: Katerina Paley

Report 150775

November 19, 2015

Petrographic Report on One Rock Sample For ALS Minerals Division

Fabrizio Colombo, Ph.D., P.Geo.
fab.petrologic@gmail.com

Petrographic Description

Sample: 2015-013

Pyrrhotite-clay-quartz infill(?)

This sample is dominated by massive pyrrhotite, in which subhedral crystals of pyrite are dispersed. The massive pyrrhotite is in contact with a very fine- to fine-grained infill domain containing clay, quartz, and rare calcite.

Alteration: **pyrite-arsenopyrite(?)**: weak to moderate after pyrrhotite.

Mineral	***Modal %***	***Main Size Range (mm)***
pyrrhotite	75 – 90*	massive
clay	tr – 18	up to 0.5
quartz	5 – 15	up to 0.6
pyrite	1 – 12	up to 1.2
chalcopyrite	tr – 0.2	up to 1.5×2.5
sphalerite	tr	up to 0.3
calcite	tr	up to 0.05
chlorite	tr	up to 0.05
galena	tr	up to 0.05

Pyrrhotite is massive and is distinguished by its light brown colour and anisotropy under plane-polarized, reflected light (Photomicrograph 1a). The pyrrhotite is weakly altered by pyrite-dominated aggregates (blue arrows in Photomicrograph 1a).

Pyrite is subordinate and is immersed within the pyrrhotite. The pyrite forms subhedral crystals (up to 1.2 mm) and crystal aggregates heterogeneously dispersed within the pyrrhotite. The pyrite is fractured, and the fractures are filled in by pyrrhotite, thus indicating the pyrite pre-dated the crystallization of the pyrrhotite. A second generation of pyrite,

* The range indicates the variation in composition between the two polished thin sections (see the image in the upper right of this page).

probably associated with arsenopyrite(?), forms irregular replacement patches (blue arrows in Photomicrograph 1a), which weakly alter the pyrrhotite and therefore post-date its crystallization.

Clay is very fine-grained and is intergrown with fine-grained quartz in the lower part of one of the two polished thin sections (Eilexp-1). The clay shows low birefringence and refractive indexes higher than those of the quartz.

Quartz tends to form vein-like domains, which in some cases show crack-seal microstructures. The quartz is dispersed within the massive pyrrhotite as single crystals and polycrystalline aggregates, which in some cases are rimmed by very fine-grained **calcite**.

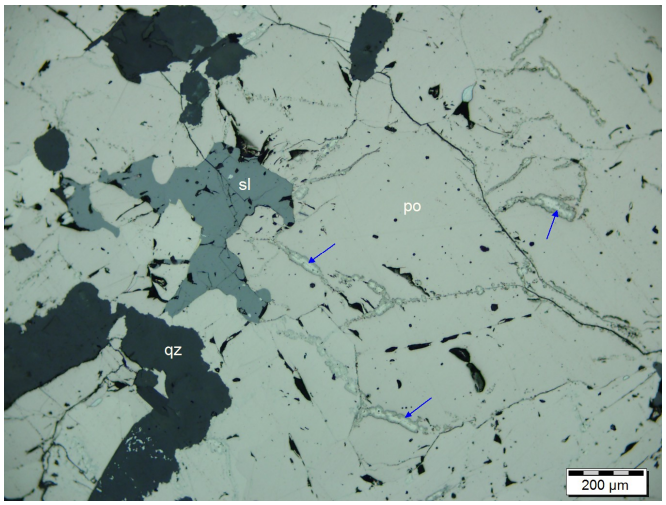
Very rare **chlorite** forms very fine-grained aggregates within the vein-like quartz domains.

Fine-grained flakes of **white mica** and amoeboid **chalcopyrite** (Photomicrograph 1b) are concentrated along the irregular boundary between the massive pyrrhotite and the clay-quartz infill domain. Fine-grained chalcopyrite and pyrrhotite are dispersed within the clay-quartz aggregate.

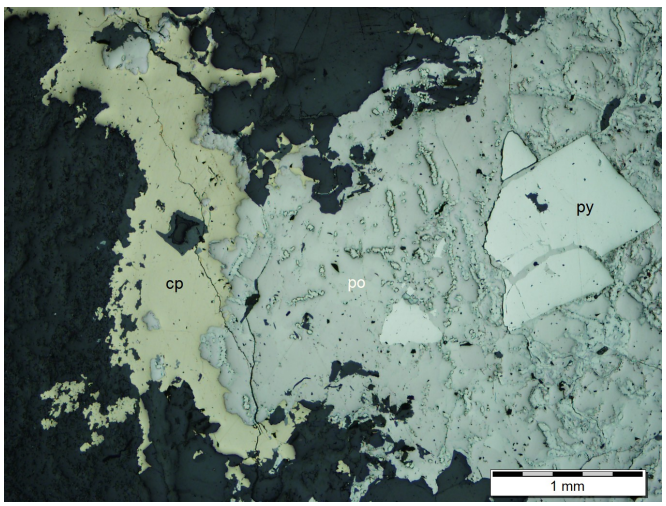
Sphalerite is rare and is immersed within the pyrrhotite as amoeboid crystals (Photomicrograph 1a), which show low reflectance, and in plane-polarized, transmitted light show a brown colour.

Calcite is very fine-grained and is concentrated within the clay-quartz aggregate. Very fine-grained calcite rims the quartz dispersed within the pyrrhotite. The calcite is distinguished by its high relief, extreme birefringence, and brisk reaction to cold dilute (10%) HCl.

Galena is very rare and forms anhedral crystals (up to 0.05 mm) dispersed within the pyrrhotite.



***Photomicrograph 1a**: Massive pyrrhotite is weakly altered by pyrite and probable arsenopyrite (blue arrows) and hosts amoeboid crystals of sphalerite (sl) and anhedral quartz (qz). Plane-polarized, reflected light.*



***Photomicrograph 1b**: Massive pyrrhotite (po) hosts subhedral and fractured crystals of pyrite (py); at the contact points with the clay-quartz aggregate (on the left of this photomicrograph), the pyrrhotite is intergrown with chalcopyrite (cp). Plane-polarized, reflected light.*

This report consists of 4 pages and is signed by:

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E-mail: fab.petrologic@gmail.com
Tel: +1-778-855-3196
Web: www.petrographically.com

VANCOUVER PETROGRAPHICS LTD

Report for: Sarah Rice
Senior Geochemist
ALS Minerals Division - Geochemistry

Sent to: Sarah Rice

Report 150700

October 23, 2015

Petrographic Report on Two Rock Samples For ALS Minerals Division

Fabrizio Colombo, Ph.D., P.Geo.
fab.petrologic@gmail.com

Table of Contents

1. Introduction

Ms. Sarah Rice of ALS Minerals Division submitted two rock samples to Vancouver Petrographics for petrographic analysis. The client indicated that the samples were collected from the Eskay Creek area.

The attached “Petrographic Descriptions” section provides the following for each sample: (i) the petrographic rock classification; (ii) a brief microstructural description; (iii) a table with the modal percentage and average grain size for each mineral; and (iv) a detailed description of the minerals in decreasing order of abundance.

Samples 59A and 59B (see Table 1) were cut and prepared as ~20 × 40 mm polished thin sections (see the image on the first page of each description).

The petrographic classification follows the recommendations of Gillespie et al. (2011).

The microstructural terminology used in this report follows the recommendations and definitions of Vernon (2004), Passchier and Trouw (2005), and Ramdohr (1980).

The magnetic susceptibility (see Table 1) was measured with a hand-held KT Magnetic Susceptibility Meter and is intended to provide only an approximate estimate of the relative content of magnetic minerals within each sample.

2. Results

The two samples are variations of a **sulphide-rich alteration zone**.

Sample 59A contains comparable amounts of pyrite and pyrrhotite. Sample 59B is dominated by pyrrhotite. Chalcopyrite is rare and fine-grained in both samples. The microstructures in Sample 59A indicate that pyrrhotite, chalcopyrite, chlorite, tremolite/actinolite, and quartz post-dated the crystallization of pyrite. The pyrite can be distinguished into two types: an earlier, inclusion-poor form (py1 in Photomicrograph 1a) and a second generation of porous pyrite (py2 in Photomicrograph 1a). Sample 59A contains fine-grained aggregates of asbestiform amphibole (tremolite-actinolite).

Table 1: List of samples with their magnetic susceptibility and petrographic classification.[1]

Sample ID	Magnetic Susceptibility (SI $\cdot 10^{-3}$)	Rock Type
59A	2.28	Pyrite-pyrrhotite-chlorite alteration zone
59B	9.19	Pyrrhotite-chlorite alteration zone

3. Bibliography

Deer WA, Howie RA, Zussmann J (1992) An introduction to the rock-forming minerals. Longman, London

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Ramdohr P (1980) The ore minerals and their intergrowths (2nd edn), vol 1/2. Pergamon Press, Oxford

Robertson S (1999) Classification of metamorphic rocks. British Geological Survey research

1 Rock classification after Gillespie et al. (2011).

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Tröger WE (1979) Optical determination of rock-forming minerals, part 1: determinative tables. Schweizerbart Science Publishers, Stuttgart

Vernon RH (2004) A practical guide to rock microstructure. Cambridge University Press, Cambridge

This report consists of 11 pages and is signed by

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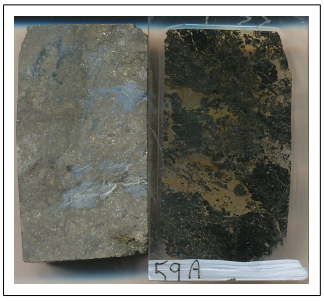
4. Petrographic Descriptions

Sample 59A



Pyrite-pyrrhotite-chlorite alteration zone

This polished thin section shows a brecciated microstructure dominated by fractured pyrite and interstitial pyrrhotite. The pyrrhotite is associated with subordinate chlorite, tremolite-actinolite, quartz and chalcopyrite.

Alteration: **pyrite-pyrrhotite**: moderate to strong; **chlorite-actinolite-quartz-chalcopyrite**: subtle to weak.

Mineral	***Modal %***	***Main Size Range (mm)***
pyrite	37 – 39	up to 6
pyrrhotite	35 – 37	interstitial and massive
chlorite(?)	20 – 22	up to 0.05
tremolite-actinolite	2 – 4	up to 0.2 long, rare up to 1 long
quartz	1 – 2	up to 0.2
chalcopyrite	0.1 – 0.2	up to 0.3
apatite	tr	up to 0.7

Pyrite forms massive domains up to 6 mm, with anhedral and in rare cases subhedral crystals, all of which are fractured. The pyrite forms inclusion-poor crystals and porous crystals, the latter tending to rim the former (Photomicrograph 1a). The material intergrown with the porous pyrite is non-reflectant and for the most part unresolved. Among the inclusions are distinguishable very fine-grained crystals of pyrrhotite, chalcopyrite, chlorite, and quartz. Most of the fractured pyrite is filled in by interstitial pyrrhotite. I interpret these microstructures to have been generated by a first crystallization of pyrite (pyrite 1), which was followed by hydraulic fracturing and a rapid deposition of pyrite (pyrite 2) and interstitial pyrrhotite.

Pyrrhotite filled in the fractured pyrite and crystallized after the main brecciation event. The pyrrhotite post-dated the crystallization of pyrite, thus indicating a progressive decrease in

sulphur activity within the hydrothermal fluids. The pyrrhotite is distinguished by its reflectance, which is lower than that of pyrite, as well as its anisotropy and creamy pinkish brown colour under plane-polarized, reflected light.

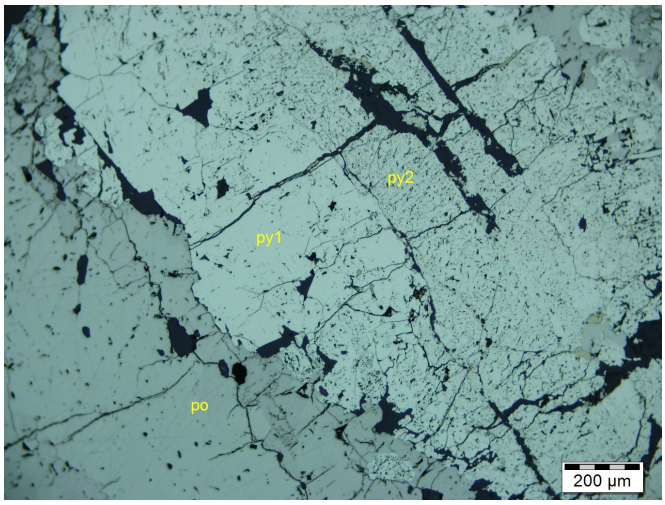
Very fine- to fine-grained and fibrous aggregates of **chlorite(?)** filled the interstitial spaces between the pyrite and pyrrhotite. The contact between the chlorite-rich domains and the pyrrhotite is irregular; however, the two minerals tend to form monomineralic aggregates. The chlorite shows low birefringence (up to first-order grey and, in rare cases, up to first-order green), subtle pleochroism with pale-green tints, straight extinction, and in most cases positive elongation. The nature of the chlorite is only tentatively interpreted and should be ascertained by spectroscopic or electron optic analysis. In some cases, the chlorite partially replaces anhedral to fibrous crystals of fine-grained amphibole (actinolite-tremolite). Fibrous chlorite filled in the strain shadows among rotated crystals of pyrite.

Actinolite-tremolite forms rare monomineralic aggregates in which **asbestiform** crystals of tremolite-actinolite are randomly oriented (Photomicrograph 1c). In most cases, the acicular crystals are up to 0.2 mm long, and in rare cases up to 1 mm long. In some cases, the amphibole is immersed within and partially replaced by the chlorite. The subtle pleochroism with pale-green tints, moderate birefringence (up to second-order blue), and low extinction angle (up to 15°) suggest the amphibole belongs to the tremolite-actinolite series.

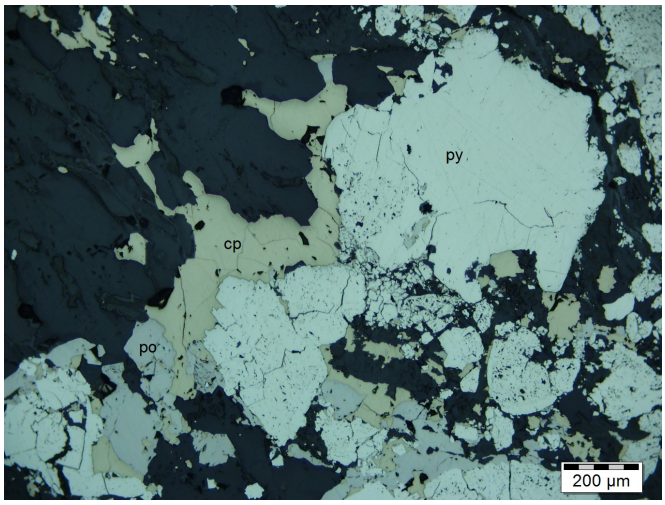
Quartz is fine-grained (up to 0.2 mm), anhedral, and intergrown with the chlorite and amphibole within the interstices among the sulphides.

Chalcopyrite forms anhedral to amoeboid crystals, which are spatially associated with the pyrrhotite and the boundaries between the pyrrhotite and the pyrite.

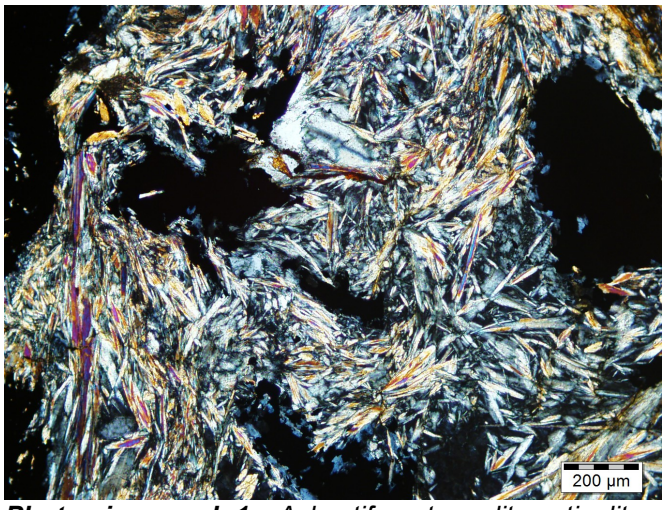
Apatite forms rare and anhedral to sub-prismatic crystals (up to 0.8 mm long) with low birefringence (up to first-order grey), a uniaxial negative optical sign, and negative elongation. The apatite crystals are immersed within the chlorite-rich aggregate and in some cases are fractured.



***Photomicrograph 1a**: Inclusion-poor pyrite (py1) is surrounded by porous pyrite (py2) and interstitial pyrrhotite. Plane-polarized, reflected light.*



***Photomicrograph 1b**: Fractured pyrite (py) is rimmed by pyrrhotite (po) and chalcopyrite (cp). Plane-polarized, reflected light.*



***Photomicrograph 1c**: Asbestiform tremolite-actinolite is randomly oriented within irregularly shaped and mostly monomineralic aggregates. Crossed Nicols, transmitted light.*

Sample 59B

Pyrrhotite-chlorite alteration zone

This polished thin section is dominated by a massive aggregate of pyrrhotite. The pyrrhotite hosts heterogeneously dispersed fragments of pyrite, as well as irregular domains of very fine-grained chlorite, quartz, carbonate, and apatite.

Alteration: **pyrrhotite**: strong; **chlorite-quartz-carbonate-pyrite**: weak; **apatite-iron oxides-chalcopyrite**: subtle to weak.

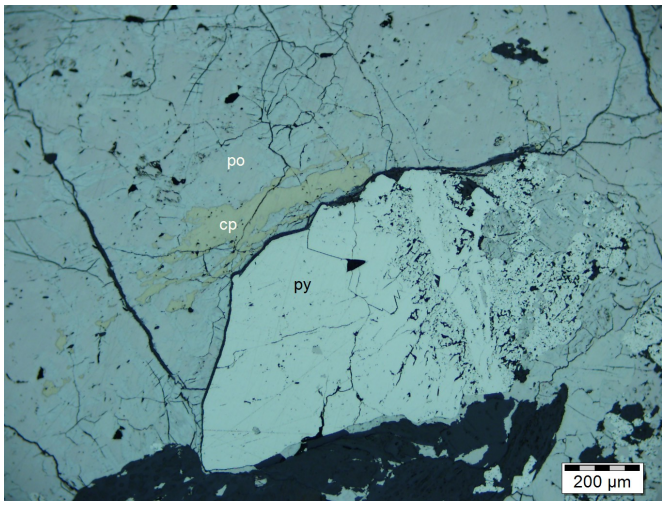
Mineral	*Modal %*	*Main Size Range (mm)*
pyrrhotite	80 – 82	massive
chlorite	10 – 12	up to 0.1
quartz	4 – 6	up to 0.2
pyrite	2 – 4	up to 1.2
carbonate	1 – 3	up to 0.5
apatite	tr	up to 1.2
iron oxides and limonitic material	tr	cryptocrystalline
chalcopyrite	tr	up to 0.4 long

Pyrrhotite dominates the composition of this polished thin section as a massive and weakly fractured aggregate. The pyrrhotite is anisotropic and hosts anhedral fragments of pyrite (Photomicrograph 2a). In some cases, the pyrrhotite shows its typical alteration microstructures (Photomicrograph 2b), which in some cases are crosscut by veinlets of iron oxides and limonitic material.

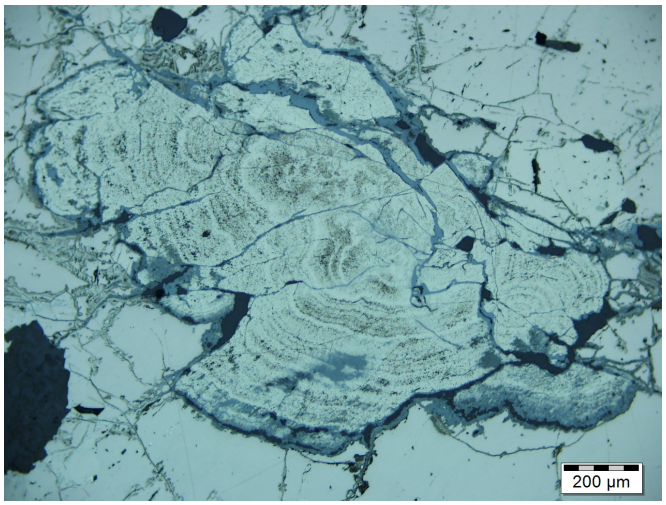
Pyrite is subordinate to and dispersed within the pyrrhotite as anhedral crystals and crystal fragments up to 1.2 mm. Similar to the pyrite described in Sample 59A, this polished thin section contains two types of pyrite crystals and fragments: an inclusion-poor type and a porous type (Photomicrograph 2c).

Chalcopyrite is rare. Its anhedral to amoeboid crystals (up to 0.1×0.4 mm) are dispersed within the pyrrhotite and are preferentially deposited near boundaries with pyrite (Photomicrograph 2a).

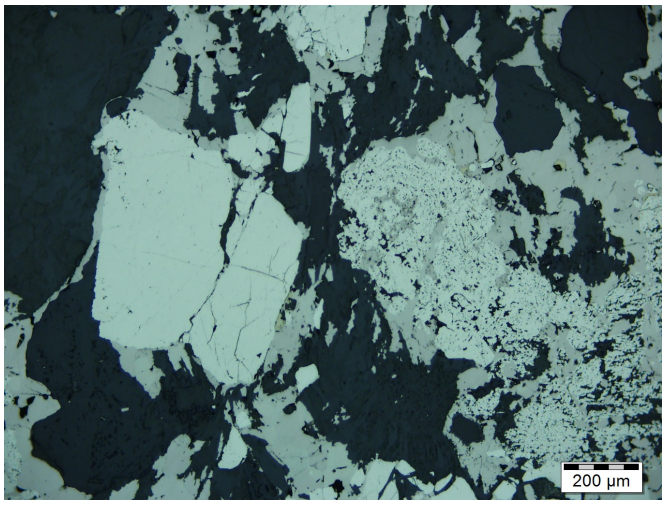
Within the pyrrhotite are elongated and preferentially iso-oriented aggregates of very fine-grained **chlorite**, which prevail over fine-grained and interlobate **quartz** as well as fine-grained and polygonal **carbonate**. The nature of the chlorite should be ascertained by spectroscopic analysis. An acid test—with cold, dilute (10%) HCl—did not show any type of reaction on the offcut; therefore, the nature of the carbonate, which is distinguished by extreme birefringence, high relief, and two sets of cleavages at 120°, should be determined by electron optic analysis.



***Photomicrograph 2a**: Anhedral pyrite (py) is immersed within a massive aggregate of pyrrhotite (po). Rare chalcopyrite (cp) occurs within the pyrrhotite near the pyrite crystals. Plane-polarized, reflected light.*



***Photomicrograph 2b**: The pyrrhotite shows a typical alteration microstructure, which in this case is crosscut by veinlets of iron oxides. Plane-polarized, reflected light.*



***Photomicrograph 2c**: The pyrite (white) is fractured and occurs as inclusion-poor crystals (left) and porous and inclusion-rich crystals (right). Plane-polarized, reflected light.*