# ASSESSMENT REPORT TITLE PAGE AND SUMMARY

**TITLE OF REPORT:** Geochemical Drainage Sampling Interpretation Report on the MOT Mineral Claims

**TOTAL COST:** MOT (38% of total cost) = $12,307.91

AUTHOR(S): Sam Zastavnikovich, P. Geo
SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S ):[File # 13825-02, AR# 36544-Feb,16,2016]
SOWs # 5633161;
YEAR OF WORK: 2016

PROPERTY NAME: MOT

CLAIM NAME(S) (on which work was done): Mot 1, Mot 3, Mot 11, Mot 12, Mot 13, Mot 14, Mot 17, Mot 18,

COMMODITIES SOUGHT: copper, gold

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN: 094D 001 – MOT 1

MINING DIVISION: Omineca
NTS / BCGS: 94D/2W
LATITUDE: 56 ° 04 ' 00 "
LONGITUDE: 127 ° 07 ' 30 " (at centre of work)
UTM Zone: EASTING: 617,000E NORTHING: 6,216,000N

OWNER(S): Electrum Resource Corp.

MAILING ADDRESS: 912 – 510 West Hastings Street

Vancouver, BC, V6C 1G8

OPERATOR(S) [who paid for the work]: Electrum Resource Corp.

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Vancouver, BC, V6C 1G8

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**)
Bowser basin, Skeena fold belt, Katsberg intrusions, Jurassic, Cretaceous, pyritization, Quartz veining, intrusive-sedimentary contacts,argillic alteration, chalcopyrite, bornite,galena

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:
34693, 34670, 34666, 33596, 30040, 30028, 29796

| 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 | | | |
| Silt, LDS method | 10, 21, 9 Au,Pd,Pt-FA/ICP; 55element –MS/ICP | SAY, MOT, SUSTUT PORPHYRY claims | 31%,38%, 31% |
| Rock | | | |
| Other | | | |
| | | TOTAL COST | $32,389.25 |

# GEOCHEMICAL DRAINAGE SAMPLING INTERPRETATION REPORT

**On the**

**MOT Mineral Claims**

(Claims listed in 1.3 Property Status and Ownership)

Omineca Mining Division, British Columbia

NTS 94D / 3E

Latitude 56 deg 04' 00" N
Longitude 127 deg 07' 30" W

UTM:
Mot: 617,000E – 6,216,000N

Owner and Operator

ELECTRUM RESOURCE CORPORATION

Author

S. ZASTAVNIKOVICH, P. Geo.
Consulting Geochemist

September 26, 2017

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APPENDICES

## SUMMARY

The writer's original February 16, 2017 report, submitted for assessment work as the 'GEOCHEMICAL DRAINAGE SAMPLING INTERPRETATION REPORT On the SAY, MOT and SUSTUT PORPHYRY Mineral Claims', covering Electrum Resource Corp.'s all three named properties *[AR#36544],* is hereby amended to present the geochemical results of the work done on the MOT mineral claims, located some 160 km north of Smithers, between Motase Lake and the Motase Peak, in northern British Columbia.

The writer conducted a one day dawn to dusk helicopter-based field-sieved high-quality 'Lithic Drainage Sediment' (LDS) method stream silt sampling reconnaissance geochemical survey over the SUSTUT PORPHYRY claims area on September 8$^{th}$, 2016, collecting 21 fluvial single-phase lithic samples capable of providing both detrital and hydromorphic dispersion anomalous element geochemical signatures sourced from mineralized outcrop/subcrop and from blind bedrock mineralization respectively. Combined with the writer's experienced high-energy sample site selection, the LDS stream sampling method provides dependably repeatable results, which are independent of seasonal variations associated with the usual 'grab' stream sediment sampling surveys. The Lithic Drainage Sediment sampling method is described in detail under Section 3.1.

Though limited in scope, the reconnaissance scale stream sediment sampling in the MOT claims area has established correlation among the ore elements, Cu, Au, Ag, and their pathfinder trace elements in the LDS samples to be similar to the element correlations present in mineralized rock samples collected by the most recent workers on the MOT property, demonstrating the survey's inherent capacity for geochemical assessment of the mineralization potential, and for focusing the more expensive exploration methods on the most prospective sectors of the mineral property.

Strongly anomalous gold, silver, and their pathfinder tarce elements As, Bi, Cd, Cu, Mo, Pb, S, Sb, Se,Te,Tl, W and Zn, present in the LDS stream sediment sample SZ021, containing 0.194ppm Au, 0.519ppm Ag, located on the central MOT claims group, and samples SZ022, and SZ023 with 0.516ppm Au, 0.044ppm Au and 2.100ppm Ag and 8.110ppm Ag respectively, located along the northern and eastern boundaries of the northwestern MOT claim group, geochemically identify the two northern MOT claim groups and their vicinity with strong precious metals mineralization potential in the northern half of the MOT claims area.

The northern half of the MOT claims area requires on foot follow-up completion in detail of the LDS sampling method geochemical survey in order to pinpoint the most likely source locations of the reconnaissance-scale precious metals anomalies identified thus far within the central and the northwestern sectors of the MOT mineral claims area.

## 1.0 INTRODUCTION AND DESCRIPTION

A reconnaissance-scale 'Lithic Drainage Sediment' (LDS) -20Mesh field wet-sieved stream sediment sampling geochemical survey was conducted by the writer on three of Electrum's Bear Lake area exploration properties located near each other in north-central British Columbia, the SAY, MOT and SUSTUT PORPHYRY mineral claims, from September 6th to 11th, 2016.

The 44 single-phase lithic stream sediment samples were collected during three daily helicopter dawn to dusk flights from Smithers, one mineral property area per day, using the perforated 'Barakso' pan and sieve sampling device, and were transported by the writer to Vancouver as personal luggage in a sealed bucket container, followed by delivery in person to the ALS Laboratory in North Vancouver for prep and analysis.

All the samples were analyzed by the 51 multi-element ALS Ultra Trace ME-MS41 package (by Aqua Regia and ICP-AES / ICP-MS) and the PGM-ICP-23 package (Au, Pt, Pd, 30g by Fire Assay and ICP-AES finish).
Complete analytical results and the AC/QC data are presented in *Appendix II*.

To facilitate interpretation of the anomalous LDS stream sample geochemistry, lithochemical correlation among the ore elements, Cu, Au, Ag, their pathfinder trace elements, plus the major elements, in rock samples most recently collected on Electrum's Bear Lake properties, the SAY, MOT and SUSTUT PORPHYRY, by Ronning and Schau in 2007, and by Holbek et al. in 2012/13, *see* topographic Claim Locations Map, *Fig.2*, and BCARs, *Ref.s 1-7*, are presented in comparison to the element correlations in the LDS method stream sediment samples collected by the writer, *Table 2,* and specifically for the rocks vs LDS samples on the MOT claims, *Table 5.* The writer's field-sieved high-quality stream silt Lithic Drainage Sediment, the LDS, sampling method is described in detail under Section 3.1.

The 21 LDS samples collected in the MOT claims area, and their analytical values for the ore elements, Cu, Au, Ag, and the pathfinder As, are directly inscribed on the Sample Locations Map, *Fig. 4*, and the element Anomaly Maps, *Fig.s 4a,b,c,d,* using the 'weak', 'moderate', 'strong' and 'very strong' anomaly intervals selected by the writer, *Table 3*.
The anomalous intervals are based on inflection points on log-normal frequency-distribution histograms for the more abundant elements, and on visual break points for the scarce trace elements, as described under Section 3.4.

Geochemical evaluation of the anomalous copper, gold and silver values obtained using the LDS method for this initial reconnaissance stream sediment sampling survey on the MOT mineral claims, and the statistical identification of their best pathfinder elements, are the subject of this report.

Statement of Costs is listed in *Appendix I*, and the Analytical results with the QA/QC are listed in *Appendix II*.
SOW Event Numbers: 5633161, is listed in *Appendix III*.

## 1.1 Location and Access

The three Electrum properties that the writer worked on are located in the Omineca Mining Division on the NTS McConnell Creek map sheet 94D/(2,3). The SAY, MOT and SUSTUT PORPHYRY mineral claims, consist of 8, 8 and 6 claims, covering 831.2, 216.9, and 719.5 hectares respectively, total of 1767.6 ha, as listed in the Mineral Tenures List, *Table 1,* below.

The geographical center of the claim groups is approximately 100 km south-southwest of the Kemess mine site, and some 160 km north of Smithers.
The properties' claim numbers and outlines are shown on the topographic map, *Fig.2*.

The UTM (Zone 10 Nad 83) centre point for the MOT claims groups is: 617,000E – 6,216,000N, located just west of the Motase Lake and the Squingula River, on map sheet 94D/3E.

Currently, none of the properties are road accessible and all require helicopter access. However, logging operations are being carried out just to the south of Bear Lake via road networks extending northwest from the Babine Lake area. Remote logging is also taking place to the north of the SUSTUT claims whereby the logs are transported south via the old BC rail line, passing along the eastern shoreline of Bear Lake, see topographic and Claim Locations Map, *Fig.2*.

## 1.2 Physiography and Climate

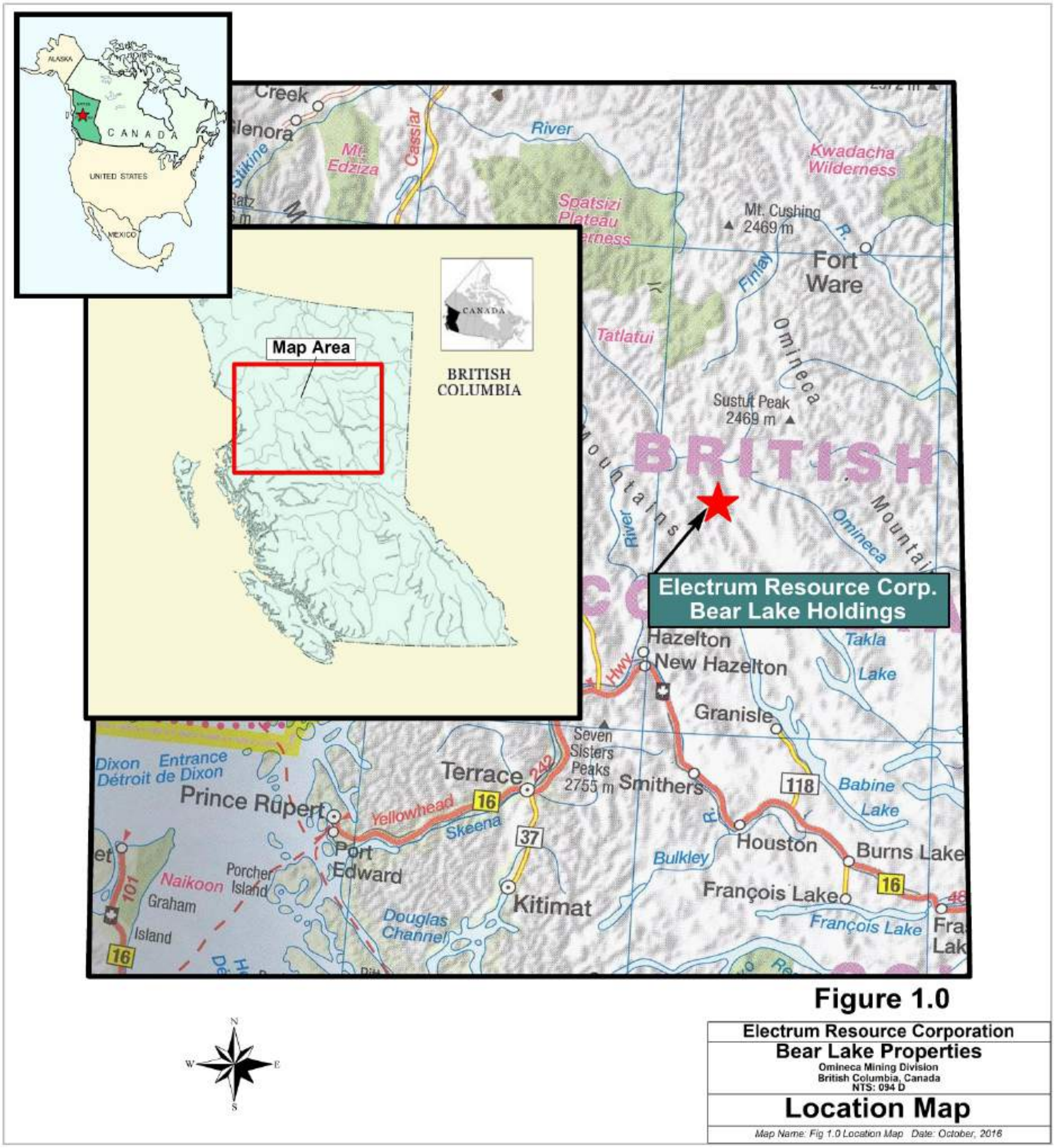
All three sampled properties, the SAY, MOT and SUSTUT PORPHYRY mineral claims, are centered on ridges or mountain tops, with steep sided slopes and knife edge ridges extending to the stream valleys on either side.

Elevations on the properties range from 1,100 meters to 2,100 m., with the tree-line generally starting below the 1,500m elevation. Glacial cirques are frequent at the higher elevations. Swamps are common in the glacially rounded valley bottoms and large number of avalanche chutes, filled with wood, rock and mud debris [see *Photo 4*] attest to the relatively high snow loads in winter.

Forest cover at lower elevations consists of relatively mature stands of spruce, hemlock and local stands of pine trees, although their size is limited due to the average elevation and the cold winters. Thick underbrush of devil's club, willow and alder cover the lower slopes.

On the MOT claim groups, elevations range from 1,100 m. just west and above Motase Lake (elev. 990 m.) on the southeastern claims, and from 1,250 m. along the creek on the northwestern claims, to the 2100 m. peak above the Huestis showing on the central group MOT mineral claims, *Fig.s 2,4.*

Fig.1: Property Location Map

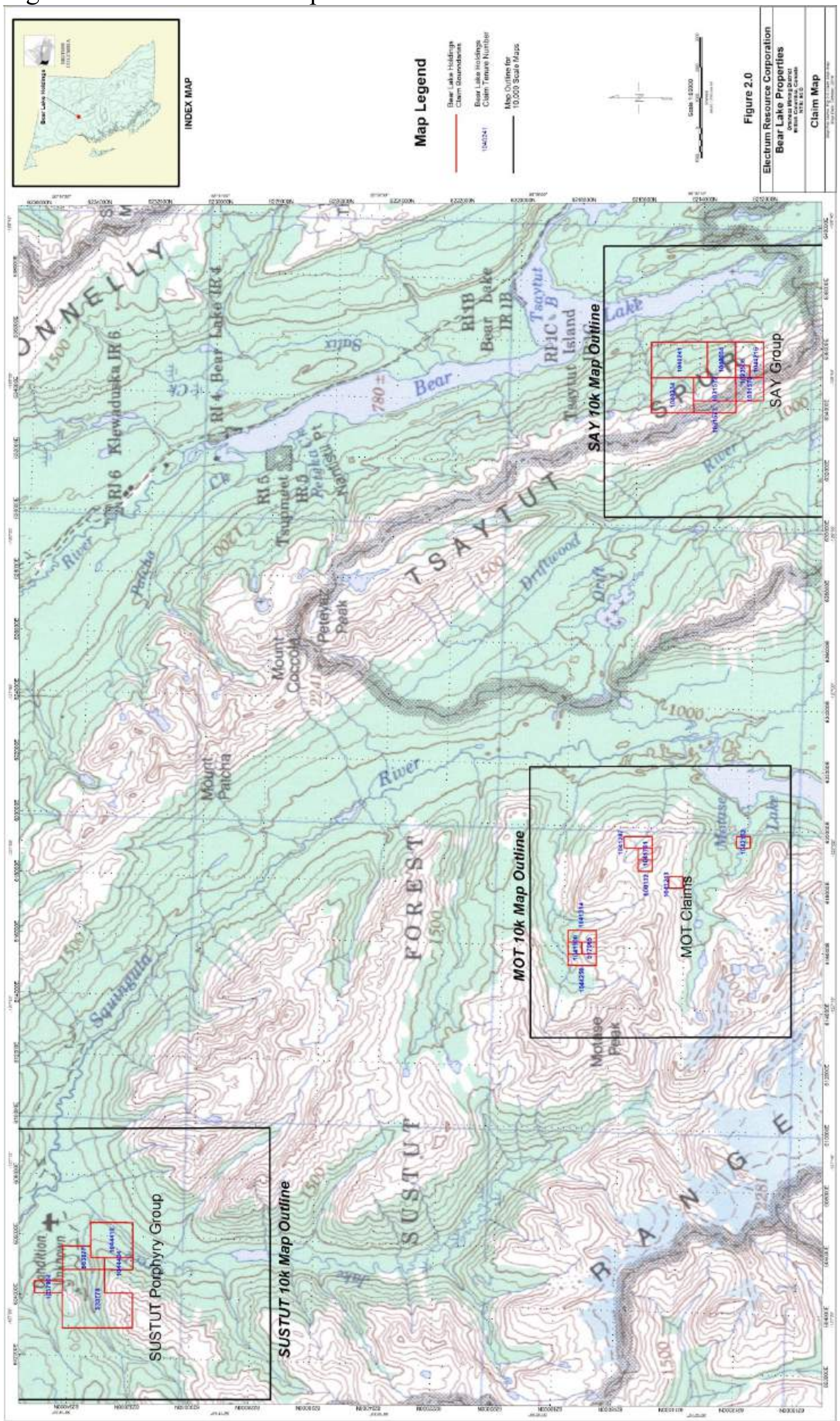


## 1.3 Property Status and Ownership

The three areas sampled, the SAY, MOT and SUSTUT PORPHYRY mineral properties, are made up of multiple claims as listed below.
All the claims are owned by Electrum Resource Corporation of Vancouver.
Claim locations are shown on the Claim Locations Map, *Fig.2,* overleaf, and on the MOT Sample Location Map, *Fig. 4.*
The relevant MOT claims information is listed in the Minerals Tenure List, *Table1,* below.

| **Table 1:** | Mineral Tenures List | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Title #** | **Claim Name** | **Owner** | **Title Type** | **Sub Type** | **Map** | **Issue Date** | **Good To Date** | **Status** | **Area,ha** |
| 1044216 | SAY 10 | 107591 (100%) | Mineral | Claim | 094D | 2016/may/19 | 2017-05-19 | good | 90.4 |
| 1040334 | SAY 2A | 107591 (100%) | Mineral | Claim | 094D | 2015/dec/03 | 2017-12-03 | good | 162.6 |
| 1031573 | SAY 2A | 107591 (100%) | Mineral | Claim | 094D | 2011/may/06 | 2017-12-27 | good | 54.2 |
| 1031572 | SAY 2B | 107591 (100%) | Mineral | Claim | 094D | 2011/may/06 | 2018-02-02 | good | 108.4 |
| 1042034 | SAY 3A | 107591 (100%) | Mineral | Claim | 094D | 2016/feb/14 | 2018-02-14 | good | 108.4 |
| 1040241 | SAY 3B | 107591 (100%) | Mineral | Claim | 094D | 2015/nov/30 | 2017-11-30 | good | 216.8 |
| 1031570 | SAY 6A | 107591 (100%) | Mineral | Claim | 094D | 2011/may/23 | 2018-01-31 | good | 72.3 |
| 1023506 | SAY ONE | 107591 (100%) | Mineral | Claim | 094D | 2013/nov/01 | 2018-11-01 | good | 18.1 |
| | | | | | | | | | **831.2** |
| | | | | | | | | | |
| **517965** | | 107591 (100%) | Mineral | Claim | 094D | 2005/jul/18 | 2022-02-18 | good | 18.1 |
| 1041314 | MOT 1 | 107591 (100%) | Mineral | Claim | 094D | 2016/jan/16 | 2021-01-16 | good | 36.1 |
| 600132 | MOT 11 | 107591 (100%) | Mineral | Claim | 094D | 2009/feb/28 | 2024-02-02 | good | 18.1 |
| 1041761 | MOT 12 | 107591 (100%) | Mineral | Claim | 094D | 2016/feb/03 | 2022-02-03 | good | 18.1 |
| 1041900 | MOT 13 | 107591 (100%) | Mineral | Claim | 094D | 2016/feb/08 | 2022-02-08 | good | 18.1 |
| 1041243 | MOT 14 | 107591 (100%) | Mineral | Claim | 094D | 2016/jan/12 | 2020-01-12 | good | 18.1 |
| 1042152 | MOT 17 | 107591 (100%) | Mineral | Claim | 094D | 2016/feb/18 | 2020-02-22 | good | 18.1 |
| 1041287 | MOT 18 | 107591 (100%) | Mineral | Claim | 094D | 2016/jan/15 | 2022-01-15 | good | 36.1 |
| 1044250 | MOT 3 | 107591 (100%) | Mineral | Claim | 094D | 2016/may/21 | 2021-05-21 | good | 36.1 |
| | | | | | | | | | **216.9** |
| | | | | | | | | | |
| 533778 | | 107591 (100%) | Mineral | Claim | 094D | 2006/may/08 | 2017-09-20 | good | 377.7 |
| 1043099 | SP 35 | 107591 (100%) | Mineral | Claim | 094D | 2016/mar/29 | 2017-03-29 | good | 18.0 |
| 563877 | JAKE NORTH | 107591 (100%) | Mineral | Claim | 094D | 2007/jul/30 | 2017-10-28 | good | 89.9 |
| 1044434 | SUSTUT PORPHYRY 3 | 107591 (100%) | Mineral | Claim | 094D | 2016/may/30 | 2017-05-30 | good | 36.0 |
| 1044410 | SUSTUT PORPHYRY 4 | 107591 (100%) | Mineral | Claim | 094D | 2016/may/29 | 2017-05-29 | good | 161.9 |
| 1037904 | SUSTUT PORPHYRY 7 | 107591 (100%) | Mineral | Claim | 094D | 2015/aug/12 | 2018-02-12 | good | 36.0 |
| | | | | | | | | | **719.5** |
| | | | | | | | | | **1767.6** |

Fig.2: Claim Locations Map



## 1.4 Exploration History [*directly copied from Holbek et al, BCAR33596, Ref.1*]

The mountainous region near the center of the northern half of British Columbia has historically been relatively inaccessible. A placer gold discovery in 1899 on McConnell Creek marked the first interest in mining in the area and subsequent discoveries resulted in wide-spread prospecting in the region during the years 1907-1908. Geological mapping in the region by the Geological Survey of Canada was undertaken during the years 1941 to 1948 and a number of precious & base-metals, coal and other mineral occurrences were tabulated during this period (Sheppard, 1973).
More recently, with the support of modern aviation and the location of often well-appointed hunting and fishing lodges in the area, access has improved. In addition, the partial construction of the BC Rail line to Dease Lake has provided additional access to the area and in-spite of overall incompletion of the rail line it is currently being used by logging concerns in the vicinity of Bear Lake and points north. The BC Rail right-of-way tracts down the east side of Bear Lake within 7 to 10 km of the eastern boundaries of the SAY claim group.

Documented exploration begins as far back as 1945, at least for the MOT property area, when Yukon Northwest Explorations Limited staked the initial claims and carried out work on the property. The claims in the MOT area were acquired by Huestis Mining Corporation in 1961 and extensive surface sampling was carried out. Noranda did some work in 1962. Over in the SUSTUT property area, the gossanous zones attracted the attention of Kennco, who staked claims and carried out work in 1965. Kennco conducted the initial helicopter reconnaissance in the region and examined many of the other prominent gossans, carrying out prospecting, soil and stream geochemistry and in some cases, diamond drilling. In the years following, a number of companies, both major and junior, continued work in the region with some properties seeing repeated exploration programs every few years.

## 1.5 Current Program

The 44 stream sediment samples collected by the writer on Electrum's Bear Lake properties were wet-sieved onsite through a 20mesh screen attached to a perforated pan, the 'Barakso' pan and sieve device, and transported to Vancouver as personal luggage in a sealed bucket container, then delivered in person to the ALS Laboratory in North Vancouver for prep and geochemical multi-element analysis.

Each mineral claims property, the SAY, MOT and SUSTUT PORPHYRY, was sampled by the writer within a day, following a 160 km flight from the Canadian Helicopters Smithers base, and return to the base each day. On the last day return trip the last four samples were taken on the expired Off claim, to use up the daily minimum flight hours, and are not discussed further.

The UTM locations for each of the high-quality lithic drainage sediment, LDS, single-phase stream sediment samples, were obtained with a hand-held GPS instrument, as listed in *Table **4***. Contact between the writer and the pilot, Tom Brooks, was maintained in the sampled area with 2-way radios while on short sampling traverses away from the helicopter landings, which are few and far between on the steep slopes and in the stream valleys below the tree line.

# 2.0 GEOLOGY

Brief excerpts of descriptions on the regional and projects area geology, alteration and mineralization are *directly copied from the January 2013 Assessment Report [AR#33596] by Holbek, Joyes and Daubeny, Ref.1*, where these topics are covered in great detail.

## 2.1 General Geology

The project area is situated near the central-eastern edge of the Bowser Basin, a large sedimentary basin that was deposited on Jurassic volcanic rocks of the Stikine terrane. The basin was uplifted and deformed to form the Skeena Fold Belt in Cretaceous time and, within the project area is intruded by Tertiary to Cretaceous intrusive rocks of the Katsberg and Babine plutonic suites. Source of the sediments within the Bowser stratigraphy is believed to be from the obduction of the Cache Creek terrane over Stikinia in the early middle Jurassic (Gagnon, 2010).

Rocks of the Bowser Basin are primarily middle Jurassic to mid-Cretaceous sediments deposited in wide range of environments ranging from deep-water marine to deltaic and lacustrine. Shale and argillite with interbedded sandstone form a thick succession in the western part of the project area and overlie coarse sandstone, minor conglomerate and possibly some tuffaceous rocks that may be transitional into the underlying Hazelton Group volcanic rocks, in the eastern project area. The Hazelton Group rocks within the project area are probably part of the upper Hazelton Group which is dominated by fine grained clastic rocks and lesser bi-modal rift-related volcanic rocks. Structurally, the Bowser Basin is dominated by contractional folding and faulting (Evanchick *et. al*., 2009). Within the project area, folds generally have a northwesterly orientation, and may be accompanied by similarly oriented thrust faults. Observed folds vary from open to tight and can be recumbent.

Fig.3: Regional and Property Geology Map [*copied from AR#33596, Fig.2.1*]

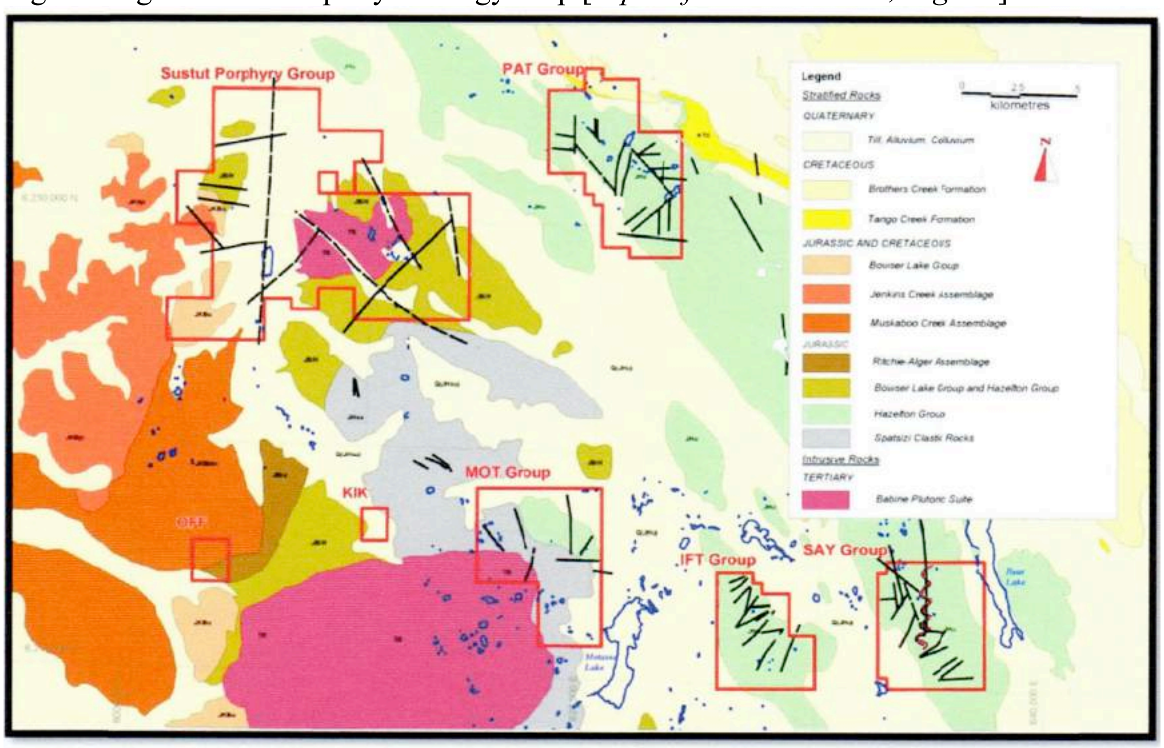



***Figure 2.1 Regional Geology and Claim Group Locations*** *(as at Oct/13).*

## 2.2 Property Geology

The projects area geology was determined by compiling information from published maps and digitizing it onto a GIS. The most current source of geology is GSC open file 5571 (Evanchick, 2007). Simplified geology is shown on Figure 2.1. The easternmost properties [*including the SAY claims*] are entirely underlain by undivided, lower to lower-middle Jurassic Hazelton Group rocks, consisting of: subaerial and marine mafic volcanic and epiclastic rocks; felsic volcanic rocks include sills, dykes and welded and non-welded ignimbrite, airfall tuff breccias; epiclastic and bioclastic rocks, including volcanic debris flow, breccias, conglomerate, siltstone, shale and limestone.
The western properties *[including the MOT and SUSTUT PORPHYRY claims]* are more complex with rocks of both the Hazelton and Bowser Lake Groups and intrusions of the Babine Plutonic Suite. Areas of intrusion and perhaps, of iron rich Hazelton Group rocks, are indicated on the regional aeromagnetic data (Figure 2.1)…

… The overall similarity of rocks within the Bowser Group makes it difficult to impossible to assign Assemblages or Formations based on local traverses and/or rock descriptions within Assessment Reports, and requires detailed mapping of significantly thick stratigraphic sections. Limited bedrock exposure, particularly at lower elevations of the project area, makes it very difficult to find a full stratigraphic section. In general, the actual assemblage of the Bowser Group is likely irrelevant to the potential for mineralization, however, as one or more of the Assemblages is noted to have rusty weathering, this may well impact selection of areas for investigation through the use of both colour and FeO spectral imagery.

## 2.3 Alteration and Mineralization

A variety of mineralization has been discovered, explored and documented in the region, but almost all observed mineralization appears to be related to some form of intrusive activity. The intrusive rocks related to the various areas of mineralization exhibit a wide range of textures and compositions and may either be part of the Eocene Katsberg Plutonic Suite or the older Babine Intrusions. The Babine Intrusions are associated with porphyry copper deposits 100km to the southeast along the main structural trend. The outcrop pattern as shown on the geological map suggests that the Babine intrusions in project area are early in the erosional process of being "unroofed" and therefore there may additional areas that are underlain by intrusive rocks at relatively shallow depths. The Bear property (Roste, 2008) and possibly the Jake *[SUSTUT PORPHYRY]* property (Ronning, 2007; and Smith, 1999) provide evidence of the potential for copper-gold porphyry style mineralization within the district. Mineralization in the district appears to fall into four groups: 1) copper, usually associated with relatively high silver values disseminated or as fracture fillings in Hazelton volcanic or epiclastic rocks, 2) porphyry Cu + Mo hosted in or related to feldspar or quartz-feldspar intrusions; 3) porphyry Cu-Au mineralization associated with possibly more alkaline intrusions and 4) gold vein and vein stockwork deposits. ...
… Colour anomalies are commonly associated with hornfelsing and pyritization of the Bowser Group sediments along contact zones with intrusions. In many areas the intrusive is well exposed and is relatively pristine tombstone right up to the contact. Hornfelsing of the sediments and pyritization, particularly in sandstone units and finely interbedded shale and sandstone units, can extend for 10's to 100's of metres into the sedimentary rocks. No significant mineralization and no geochemical anomalies were obtained from these areas. Mineralization appears to be related to specific phases of the plutonic suite, notably porphyritic phases occurring as relatively small volume dykes or sills.

# 3.0 GEOCHEMICAL LITHIC DRAINAGE SEDIMENT SAMPLING SURVEY

## 3.1 The Field-Sieved High-Quality Lithic Drainage Sediment (LDS) Sampling Method

The commonly practiced collection of stream sediment samples in mineral exploration, including the Geological Survey of Canada and provincial governments' Regional Geochemical Surveys [RGS], is the 'grab' method of collecting fine fluvial silt by hand, which almost always contains some organic phase material, as well as the dominant lithic phase, in the typical minus 80 Mesh [-80mesh] fraction usually analyzed.
The organics collect trace elements by mechanisms such as chelation, adsorption, etc., which essentially differ from those present in the lithic phase, including both the primary detrital minerals from mechanical dispersion, and the precipitated/dehydrated secondary hydromorphic minerals of the major elements, mainly the secondary Fe-Mn-oxides goethite, limonite and wad, plus carbonates and phosphates, which acquire trace elements primarily by co-precipitation, while the Al-clays accumulate the trace elements predominantly by adsorption, etc., *Ref. 14*.
Though the organic content is determined by loss on ignition, 'LOI', such as used in the RGS analyses, high amount of computerization is required to near-accurately unscramble what portion of an anomalous element present as a single analytical value, comes from the organics, which may be more or less proportionally enriched relative to the lithic phase, as for example, a 5% LOI organic content may contain 25% or 2% of an anomalous ore or pathfiner element value.

Since the late 1970's the writer has been conducting all his geochemical stream sediment sampling surveys by using the 'Barakso' perforated pan and screen device, sold at the time by its inventor, John Barakso, at his Min-En geochemical laboratory located in North Vancouver, B.C. The ingenious pressed-steel perforated pan pictured below is not a heavy minerals [H.M.] concentrator like the traditional prospector's gold pan; instead, with skillful use and site selection, it can collect clean, lithic, single-phase wet-sieved fluvial sediment, eliminating seasonal variations, and providing much more repeatable analytical values than the traditional grab silt sampling method.
Photo 1: The perforated 'Barakso' pan and sieve device used in the LDS sampling method.

Combined with the writer's experienced sampling site selection of fluvial high-energy locations, including midstream moss-covered high boulders and/or overbank stream sediment traps, this high quality 'Lithic Drainage Sediment' sampling method, here labelled the '*LDS' method*, provides interpretable analytical multi-element information  not only on the anomalous *detrital dispersion* from weathered outcrop and subcrop mineralization, but also on the anomalous chemical, or *hydromorphic dispersion* from completely blind oxidizing mineralization, as quoted and illustrated below:

***Abstract*** *Chemical dispersion processes play a dominant role in creating geochemical anomalies over blind orebodies, a fundamental difference from the detrital origin of anomalies derived from near-surface deposits.  Secondary geochemical dispersion can only be achieved through a sequential process involving weathering and leaching, transport in solution, and final immobilization, possibly at some distance, by processes such as precipitation …, Ref. 12.*

Drawing 1:  Detrital vs Hydromorphic Dispersion (from JGE v.32, p244), *Ref. 12*

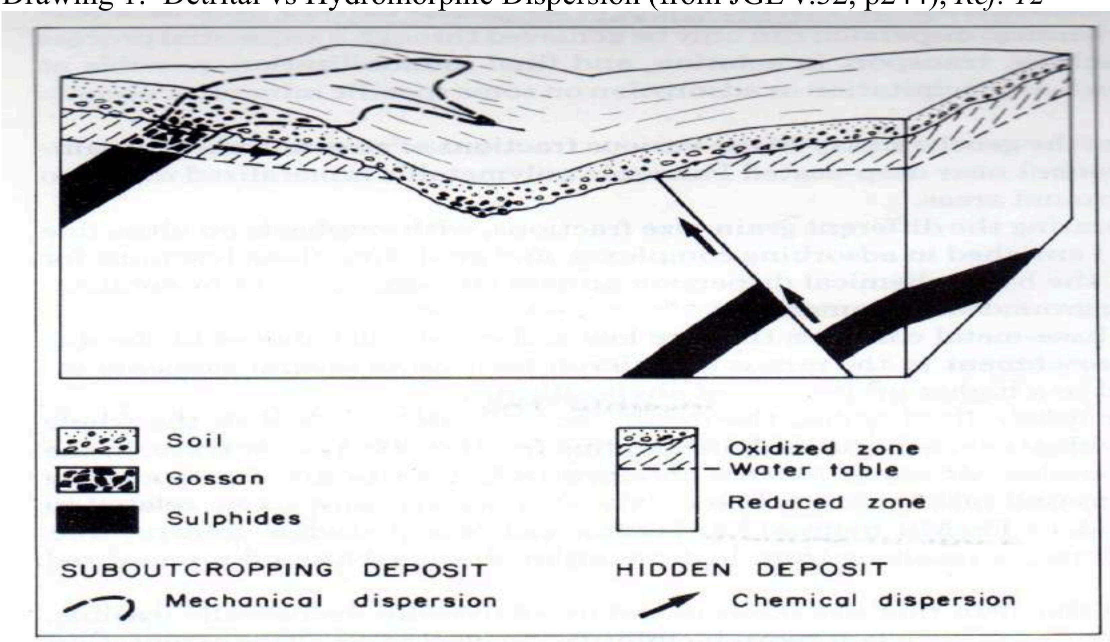
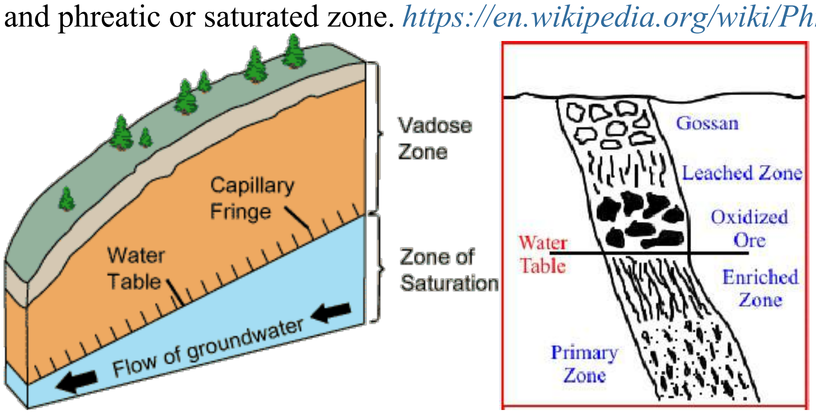



**Fig. 1. Dispersion of different types of mineralization.**

Drawing 2:  Cross-section of a hillslope depicting the vadose zone, capillary fringe, water table, and phreatic or saturated zone. *https://en.wikipedia.org/wiki/Phreatic_zone (Source: USGS)*



In 1986 the writer provided sample quality control on behalf of the GSC and the BCMEMPR and supervision of the field contractor for the Regional Geochemical Surveys (RGS) of the Whitesail and Smithers Map Sheets, 93E and 93L, in north-central British Columbia, as published in the *Geological Fieldwork 1986, Paper 1987-1, p.411-12, Ref. 10,* and concurrently conducted an LDS method field-sieved stream sediment sampling survey as follow-up to a previous RGS zinc anomaly, and its heavy-minerals [H.M.] follow-up survey on Map Sheet 93G/2, *Ref. 9*, published as a contribution to the Canada/B.C. Mineral Development Agreement in the BCMEMPR Geological Fieldwork, 1986, Paper 1987-1, on the importance of sample quality in conducting geochemical drainage sampling surveys, *Ref. 11*.
Unlike the traditional heavy minerals stream sediment sampling, which resulted in some very high, but haphazardly distributed gold values, *Ref. 9*, the writer's wet-sieved LDS follow-up lithic stream sediment sampling method provided interpretable precious metals and pathfinder element values that helped distinguish between placer-sourced gold and lode-sourced gold anomalies, and as well identified the hydromorphic nature of the original RGS zinc anomaly.

In order to enhance geochemical assessment of an area's mineralization potential based on the LDS method of stream sediment sampling, it is necessary to include sample sites well beyond the area of interest as well as sites within it, as was done in the above described survey.
This is particularly important in areas of alpine glaciation, where the glaciers scraped off the anomalous gossans from outcrop/subcrop mineralization, and distributed them, often kilometers downslope and down-ice, possibly well below the lower boundaries of the mineral property, *Ref. 13*. Sampling upstream of the upper claim boundaries determines the tenor of the incoming geochemical values for the ore elements of interest, and their pathfinder trace elements, while sampling up to several kilometers downstream from the lower mineral claim boundaries critically determines the length and strength, and thus geochemical significance, of any geochemically anomalous train originating from within the mineral claim of interest.

The writer started using the LDS stream sediment sampling methodology throughout Canada and the Caribbean for base metals exploration while employed by Falconbrige Nickel Mines in the 1970-80's, and relied on it subsequently as a consulting geochemist, notably for Cominco International in the Andean S. America for base metals in the 1990's, including at the zinc-lead *Bongara* discovery in northern Peru, and within the last decade for uranium clients in the Athabasca Basin, and precious metals clients from Nevada and Alaska to China, and more recently at the Almaden's *Ixtaca* gold discovery in Mexico.

The high-quality lithic drainage sediment sampling method, the LDS, is based on field-sieved standardization of the single-phase lithic component of stream sediment, which generates relatively repeatable analytical multi-element values, independent of seasonal variations that affect the traditional 'grab' method of drainage sampling. The dependable results in turn allow subtle statistical differentiation, which leads to enhanced geochemical interpretation of the sampled area's mineralization potential.
The relatively strongest LDS anomaly areas can subsequently be followed up by more extensive geochemical and more expensive geophysical methods, focusing exploration expenditures on the geochemically most prospective sectors of the mineral property.

### 3.2 Sample Analysis and QA/QC

The 44 wet-sieved, -20Mesh, lithic stream sediment samples, collected by the writer on daily helicopter flights from Smithers on Electrum's Bear Lake properties using the perforated pan and sieve LDS method, were transported to Vancouver as personal luggage in a sealed bucket container, and delivered in person to the ALS Laboratory in North Vancouver for preparation and analysis.
All the samples were analyzed for the 51 multi-element Ultra Trace ME-MS41 package by Aqua Regia and ICP-AES / ICP-MS, and the PGM-ICP-23 package Au, Pt, Pd, 30g by Fire Assay and ICP-AES finish. Complete analytical results and the AC/QC data are presented in *Appendix II*.

The Lab repeat analyses of sample SZ010 for the multi-elements by Aqua Regia and ICP-AES / ICP-MS are near identical not only for the major, minor and trace elements, but also for the precious metals Au, Ag, and thanks to the very low detection limits [d.l.], for Pt, Pd as well. Thus repeat analytical values of 0.318 vs. 0.291 ppm Au, 1.240 vs. 1.235 ppm Ag, 0.008 vs.0.007 Pt ppm, 0.011 vs. 0.013 ppm Pd, by Aqua Regia and ICP-MS, *Appendix II*, not only attest to the Laboratory's Quality Assurance/Quality Control, but also to the homogeneous nature of the LDS sample.
Both the initial and duplicate values for Au, Pt, Pd in sample SZ010 by the Fire Assay-ICP-AES analysis are all only at and/or below their respective detection limits, *Appendix II*.

### 3.3 Cu, Au, Ag & Pathfinder Element Correlation in Rocks vs LDS Sediments

Since stream sediment samples are twice removed from their bedrock source in the Bear Lake area of northern British Columbia, first by the alpine glaciation of the pre-glacial weathering surface, and next by the present fluvial drainage action on the glacial deposits, the primary lithochemical multi-element analytical information found in rock samples collected by the most recent previous workers on the drainage-sampled properties greatly aids the writer in interpretation of the obtained anomalous stream sediments geochemistry, as discussed below.

Anomalous lithochemical correlation among the ore elements, Cu, Au, Ag, and their pathfinder trace elements, as well as the minor and major elements, in rock samples previously collected on the Electrum's Bear Lake properties, mainly the SAY, MOT and SUSTUT PORPHYRY claims, by Ronning and Schau in 2007, and by Holbek et al. in 2012/13, see *geological area Map, Fig. 2* and the BCARs, *Ref.s 1-7*, are presented in comparison to the multi-element correlations present in the LDS stream sediment samples collected by the writer.

Majority of the most mineralized base and precious metals rocks were collected at each of the dominant mineralized showings on the three properties, the 'Spur' showing on the SAY claims, the 'Huestis' zone on the MOT claims and the 'Jake' showing on the SUSTUT COPPER claims. Because some 34 rock samples of Ronning and Schau had copper values of >1% Cu, these, and 5 more with .5-1% Cu, were eliminated from the total in the '221 Rx' columns to provide correlation present in the rocks collected outside of the showings as well.
The 39 excluded rock samples with >0.5% Cu have almost no detectable As, Mo, W, Th, U, values, and only 5 weakly anomalous gold values of 15-50ppb Au, but many are highly anomalous in silver, with 6 rock samples having >200ppm Ag.

Table 2: Bear Lk. Claims – Rock vs LDS Sample Au, Ag, Cu & Pathfinder Correlation

| 62Rx | Au* | Ag* | Cu | As | Al% |
|---|---|---|---|---|---|
| Ag* | 0.1 | 1.0 | | | |
| Cu | -0.1 | 1.0 | 1.0 | | |
| As | 0.2 | 0.0 | -0.1 | 1.0 | |
| Al% | -0.2 | 0.1 | 0.1 | -0.2 | 1.0 |
| Ba | -0.1 | -0.2 | -0.1 | -0.1 | 0.0 |
| | | | | | |
| Bi | 0.3 | 0.1 | -0.1 | 0.1 | -0.2 |
| Ca% | -0.1 | 0.0 | 0.0 | -0.1 | 0.4 |
| Cd | 0.4 | 0.2 | 0.0 | 0.0 | -0.1 |
| Co | -0.1 | 0.2 | 0.2 | -0.2 | 0.4 |
| Cr | -0.1 | 0.7 | 0.7 | -0.1 | 0.5 |
| Fe% | 0.1 | 0.2 | 0.1 | 0.0 | 0.5 |
| Hg* | -0.1 | 0.7 | 0.8 | 0.1 | 0.0 |
| K% | -0.1 | -0.3 | -0.2 | -0.1 | 0.2 |
| La | -0.2 | -0.1 | -0.1 | -0.1 | 0.0 |
| Mg% | -0.2 | 0.5 | 0.5 | -0.2 | 0.6 |
| Mn | -0.1 | 0.2 | 0.2 | -0.1 | 0.2 |
| Mo | 0.2 | -0.2 | -0.2 | 0.0 | -0.1 |
| Na% | -0.1 | -0.1 | -0.1 | -0.1 | 0.3 |
| Ni | -0.1 | 0.2 | 0.2 | -0.1 | 0.6 |
| P% | -0.2 | 0.3 | 0.4 | -0.1 | 0.4 |
| Pb | 0.4 | 0.3 | 0.1 | 0.4 | -0.2 |
| S% | 0.1 | 0.5 | 0.4 | 0.1 | -0.1 |
| Sb | 0.3 | 0.1 | -0.1 | 0.9 | -0.3 |
| Sc | -0.2 | 0.5 | 0.6 | -0.2 | 0.6 |
| Se | 0.0 | 0.9 | 0.9 | 0.0 | 0.2 |
| Sr | -0.1 | -0.2 | -0.1 | -0.1 | 0.2 |
| Te | 0.0 | 0.1 | 0.1 | 0.0 | -0.2 |
| Th | -0.2 | -0.3 | -0.3 | 0.0 | -0.2 |
| Ti% | -0.2 | 0.5 | 0.6 | -0.1 | 0.5 |
| Tl | 0.0 | -0.3 | -0.3 | 0.0 | 0.0 |
| U | -0.1 | -0.2 | -0.2 | -0.1 | -0.2 |
| V | -0.2 | 0.4 | 0.5 | -0.1 | 0.7 |
| W | 0.2 | -0.1 | -0.1 | 0.1 | -0.2 |
| Zn | 0.4 | 0.2 | 0.0 | 0.1 | -0.1 |
| 2012 - Holbek / Acme | | | | | |

| 260Rx | Au | Ag | Cu | As | Al% |
|---|---|---|---|---|---|
| Ag | 0.3 | 1.0 | | | |
| Cu | 0.0 | 0.7 | 1.0 | | |
| As | 0.6 | 0.1 | -0.1 | 1.0 | |
| Al% | -0.1 | 0.1 | 0.2 | -0.2 | 1.0 |
| Ba | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 |
| Be | 0.0 | 0.1 | 0.2 | 0.0 | 0.3 |
| Bi | 0.2 | 0.7 | 0.3 | 0.0 | 0.1 |
| Ca% | -0.1 | -0.1 | -0.1 | -0.1 | 0.1 |
| Cd | 0.8 | 0.2 | 0.0 | 0.5 | -0.1 |
| Co | 0.0 | 0.2 | 0.3 | 0.0 | 0.3 |
| Cr | 0.1 | -0.1 | -0.2 | 0.2 | -0.1 |
| Fe% | 0.4 | 0.3 | 0.2 | 0.3 | 0.2 |
| Hg | 0.0 | 0.4 | 0.2 | 0.0 | 0.1 |
| K% | -0.1 | -0.1 | -0.2 | -0.1 | 0.1 |
| La | -0.1 | -0.1 | -0.1 | -0.1 | -0.2 |
| Mg% | -0.1 | 0.3 | 0.4 | -0.1 | 0.6 |
| Mn | -0.1 | 0.2 | 0.2 | -0.1 | 0.1 |
| Mo | 0.0 | -0.1 | -0.1 | 0.0 | -0.1 |
| Na% | -0.1 | -0.1 | 0.0 | -0.1 | 0.4 |
| Ni | 0.0 | 0.1 | 0.0 | 0.0 | 0.3 |
| P | -0.1 | 0.3 | 0.3 | -0.2 | 0.3 |
| Pb | 0.7 | 0.4 | 0.0 | 0.6 | -0.2 |
| S% | 0.4 | 0.3 | 0.1 | 0.4 | -0.1 |
| Sb | 0.4 | 0.2 | 0.0 | 0.4 | -0.1 |
| Sc | -0.1 | 0.3 | 0.4 | -0.2 | 0.6 |
| Se | | | | | |
| Sr | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 |
| Te | | | | | |
| Th | 0.0 | -0.1 | -0.1 | -0.1 | -0.2 |
| Ti% | -0.1 | 0.2 | 0.4 | -0.1 | 0.5 |
| Tl | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| U | 0.4 | 0.0 | 0.0 | 0.3 | -0.1 |
| V | -0.1 | 0.2 | 0.3 | -0.1 | 0.6 |
| W | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Zn | 0.6 | 0.3 | 0.0 | 0.5 | -0.2 |
| Zr | 0.0 | 0.2 | 0.4 | -0.1 | 0.3 |
| 2007 - Ronning / Assayers | | | | | |

| 221Rx | Au | Ag | Cu |
|---|---|---|---|
| Ag | 0.8 | 1.0 | |
| Cu | 0.0 | 0.2 | 1.0 |
| As | 0.6 | 0.5 | 0.0 |
| Al% | -0.1 | -0.2 | 0.0 |
| Ba | 0.0 | -0.1 | 0.0 |
| Be | 0.0 | 0.0 | 0.2 |
| Bi | 0.4 | 0.7 | 0.0 |
| Ca% | -0.1 | -0.1 | -0.1 |
| Cd | 0.8 | 0.7 | 0.1 |
| Co | 0.1 | 0.0 | 0.3 |
| Cr | 0.1 | 0.1 | -0.1 |
| Fe% | 0.4 | 0.3 | 0.3 |
| Hg | 0.0 | 0.2 | 0.2 |
| K% | -0.1 | -0.1 | 0.0 |
| La | -0.1 | -0.1 | 0.0 |
| Mg% | -0.1 | -0.1 | 0.1 |
| Mn | -0.1 | 0.1 | 0.2 |
| Mo | 0.0 | 0.0 | 0.0 |
| Na% | -0.1 | -0.1 | 0.1 |
| Ni | 0.0 | -0.1 | 0.0 |
| P | -0.1 | -0.2 | 0.1 |
| Pb | 0.7 | 0.8 | 0.2 |
| S% | 0.4 | 0.5 | 0.2 |
| Sb | 0.4 | 0.6 | 0.3 |
| Sc | -0.1 | -0.1 | 0.0 |
| Se | | | |
| Sr | 0.0 | -0.1 | -0.1 |
| Te | | | |
| Th | -0.1 | -0.1 | -0.1 |
| Ti% | -0.1 | -0.1 | 0.1 |
| Tl | 0.0 | 0.0 | 0.0 |
| U | 0.5 | 0.3 | 0.2 |
| V | -0.1 | -0.1 | 0.0 |
| W | 0.0 | 0.0 | 0.3 |
| Zn | 0.6 | 0.8 | 0.2 |
| Zr | 0.0 | -0.1 | 0.0 |
| 2007-Ronning- [<.5% Cu] | | | |

| 44Seds | Au,Fire | Au,MS | Ag | Cu | As | AL |
|---|---|---|---|---|---|---|
| Ag | 0.2 | 0.2 | 1.0 | | | |
| Cu | 0.1 | 0.3 | 0.3 | 1.0 | | |
| As | 0.2 | 0.3 | 0.3 | 0.4 | 1.0 | |
| AL% | -0.1 | -0.1 | 0.0 | 0.7 | 0.2 | 1.0 |
| Ba | -0.2 | -0.1 | -0.1 | 0.2 | 0.0 | 0.6 |
| Be | -0.1 | 0.0 | 0.0 | 0.5 | 0.1 | 0.6 |
| Bi | 0.2 | 0.3 | 0.2 | 0.3 | 0.4 | 0.2 |
| CA% | -0.3 | -0.2 | -0.2 | -0.1 | -0.3 | 0.2 |
| Cd | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.2 |
| Co | -0.2 | 0.0 | 0.0 | 0.8 | 0.4 | 0.8 |
| Cr | -0.1 | 0.0 | -0.1 | 0.0 | -0.3 | 0.0 |
| FE% | -0.2 | -0.1 | -0.2 | -0.2 | -0.2 | -0.3 |
| Hg | -0.1 | 0.0 | 0.0 | 0.3 | 0.1 | 0.3 |
| K% | 0.1 | 0.0 | 0.0 | 0.1 | -0.1 | 0.0 |
| La | -0.1 | 0.0 | -0.1 | -0.5 | -0.2 | -0.6 |
| MG% | -0.1 | 0.0 | 0.0 | 0.5 | -0.1 | 0.7 |
| MN | -0.2 | 0.0 | 0.0 | 0.5 | 0.1 | 0.6 |
| Mo | 0.4 | 0.4 | 0.4 | 0.3 | 0.7 | 0.0 |
| NA% | 0.0 | -0.1 | -0.2 | 0.1 | -0.1 | 0.2 |
| Ni | 0.2 | 0.1 | 0.3 | 0.7 | 0.5 | 0.5 |
| P | 0.0 | 0.0 | -0.1 | -0.4 | -0.2 | -0.6 |
| Pb | 0.2 | 0.3 | 0.6 | 0.5 | 0.3 | 0.2 |
| S% | 0.2 | 0.3 | 0.5 | 0.3 | 0.3 | 0.2 |
| Sb | 0.4 | 0.3 | 0.8 | 0.4 | 0.6 | 0.0 |
| Sc | -0.2 | -0.1 | -0.1 | 0.6 | -0.1 | 0.8 |
| Se | 0.1 | 0.1 | 0.3 | 0.5 | 0.5 | 0.3 |
| Sr | -0.1 | -0.1 | -0.2 | -0.2 | -0.1 | 0.2 |
| Te | 0.4 | 0.7 | 0.4 | 0.4 | 0.5 | 0.1 |
| Th | -0.1 | -0.1 | -0.1 | -0.4 | -0.2 | -0.5 |
| Ti% | -0.1 | -0.1 | -0.2 | -0.1 | -0.4 | 0.2 |
| Tl | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 |
| U | -0.1 | -0.1 | -0.1 | -0.4 | -0.2 | -0.5 |
| V | -0.2 | -0.1 | -0.2 | -0.3 | -0.4 | -0.4 |
| W | 0.6 | 0.9 | 0.3 | 0.3 | 0.4 | -0.1 |
| Zn | 0.1 | 0.2 | 0.2 | 0.7 | 0.3 | 0.6 |
| Zr | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 | 0.5 |
| 2016 - Zastavnikovich / ALS | | | | | | |

*Table 2* indicates that Cu and Ag correlate strongly in the mineralized rocks, at r= 0.7to =1.0, but only at 0.2 in the remaining 221 rock samples, where Ag and Au correlate most strongly at r=0.8. Copper and gold values are independent in all three rock sample data sets.
In the rocks, in general Au correlates strongly with As, Cd, Ag, Pb, Zn, at 0.6-0.8, and moderately with Bi, S, Sb, U, and Fe at 0.4, and weakly with Mo, Sb, W, at 0.2. Unfortunately, The '260 rock' samples were not analyzed for 2 of the prominent pathfinder elements, Se and Te.
In the 44 lithic stream sediments, Cu, Au, Ag and pathfinder element correlations mirror well those in the rocks, attesting to the integrity of the of the field-sieved LDS sampling method.
In addition to the pathfinder elements in rocks, As, Bi, Cd, Co, Hg, Pb, S, Sb, Se, Te, Zn, the LDS samples identify Mo, Tl, W, the pneumatolytic/pegmatitic suite, as pathfinder elements.

The individual MOT rock and sediment sample element correlations are presented separately, *Table 5,* and discussed in detail under the 3.6 heading below.

## 3.4 Anomaly Intervals for LDS Cu, Au, Ag & Pathfinder Elements

Analytical values for the ore elements, Cu, Au, Ag and pathfinder As in the LDS stream sediments are directly inscribed on the Anomaly Maps, *Fig.s 4a,b,c,d,* using the 'weak', 'moderate', 'strong' and 'very strong' anomaly intervals selected by the writer, *Table 3*.
The anomalous intervals are based on inflection points identified by using log-normal frequency-distribution charts for the more abundant elements, and on visual break points for the scarce elements. Maximum values for each element and their dominant claim group location, in order, are included in *Table 3* for reference, [M-Mot; S-Say; T-SustuT; (O-Off)].
Color-coded elements in Table 3 correlate most strongly together.
Table 3: Bear Lake properties LDS stream sediment sample elements Anomaly Intervals

| ***Table 3:*** **Anomaly Intervals for Bear Lake 44 HQDS Stream Sediment Samples** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Sed Anom.** | *from:* | weak | *to/from* | moderate | *to/from* | strong | *to/≥* | v. strong | max. | location |
| **Au,Fire,ppm** | 0.015 | ______ | 0.04 | ______ | 0.100 | ______ | 0.200 | ______ | 0.690 | M,S,T, |
| **Au,MS,ppm** | 0.0015 | ______ | 0.0025 | ______ | 0.005 | ______ | 0.010 | ______ | 0.268 | M,S,T, |
| Ag ppm | 0.100 | ______ | 0.400 | ______ | 1.000 | ______ | 2.000 | ______ | 8.110 | M,S,T, |
| Cu ppm | 45 | ______ | 70 | ______ | 90 | ______ | 120 | ______ | 146 | S,M,O,T, |
| As ppm | 20 | ______ | 50 | ______ | 100 | ______ | 200 | ______ | 364 | M,T,O |
| AL % | 1.45 | ______ | 1.65 | ______ | 1.85 | ______ | 2.1 | ______ | 3.7 | S,T,M,O |
| Ba ppm | 160 | ______ | 220 | ______ | 300 | ______ | 390 | ______ | 582 | T.M,S, |
| Be ppm | 0.35 | ______ | 0.45 | ______ | 0.60 | ______ | 0.90 | ______ | 1.2 | S,M,T, |
| Bi ppm | 0.35 | ______ | 0.65 | ______ | 1.3 | ______ | 2.5 | ______ | 4.1 | T.M, |
| CA % | 0.55 | ______ | 0.65 | ______ | 0.75 | ______ | 0.95 | ______ | 1.2 | T.M,S, |
| Cd ppm | 0.6 | ______ | 1.0 | ______ | 1.5 | ______ | 2.0 | ______ | 3.7 | M, |
| Ce ppm | 27 | ______ | 33 | ______ | 41 | ______ | 50 | ______ | 74 | M,T,S |
| Co ppm | 15.5 | ______ | 18.5 | ______ | 22.5 | ______ | 28 | ______ | 35 | S,M,O,T, |
| Cr ppm | 27 | ______ | 39 | ______ | 54 | ______ | 85 | ______ | 113 | S,M,O |
| *Cs ppm* | 2.5 | ______ | 3.5 | ______ | 5.5 | ______ | 8.5 | ______ | 10.0 | S,M,O |
| FE % | 5.2 | ______ | 5.7 | ______ | 6.5 | ______ | 7.6 | ______ | 20.9 | M,O,T, |
| Ga ppm | 6.5 | ______ | 7.5 | ______ | 9.5 | ______ | 11 | ______ | 14 | S,M,T, |
| Ge ppm | 0.1 | ______ | 0.12 | ______ | 0.16 | ______ | 0.20 | ______ | 0.33 | M,O,T,S |
| Hf ppm | 0.07 | ______ | 0.1 | ______ | 0.14 | ______ | 0.18 | ______ | 0.25 | T,S,M |
| Hg ppm | 0.04 | ______ | 0.06 | ______ | 0.08 | ______ | 0.11 | ______ | 0.44 | T,S, |
| In ppm | 0.04 | ______ | 0.05 | ______ | 0.06 | ______ | 0.07 | ______ | 0.09 | T,S, |
| K % | 0.11 | ______ | 0.13 | ______ | 0.17 | ______ | 0.20 | ______ | 0.30 | O,M,S, |
| La ppm | 15 | ______ | 20 | ______ | 28 | ______ | 38 | ______ | 53 | M,T,S |
| Li ppm | 18 | ______ | 23 | ______ | 30 | ______ | 40 | ______ | 79 | S,M,O |
| MG % | 0.65 | ______ | 0.75 | ______ | 0.95 | ______ | 1.25 | ______ | 4.8 | S,T,M, |
| MN % | 1000 | ______ | 1500 | ______ | 2000 | ______ | 2500 | ______ | 4400 | S,M,T,O |
| Mo ppm | 2.5 | ______ | 5 | ______ | 8 | ______ | 11 | ______ | 14 | M,S,O. |
| NA % | 0.12 | ______ | 0.15 | ______ | 0.19 | ______ | 0.25 | ______ | 0.34 | O,T,M |
| Nb ppm | 0.45 | ______ | 0.55 | ______ | 0.65 | ______ | 0.80 | ______ | 0.90 | S,M, |
| Ni ppm | 27 | ______ | 36 | ______ | 41 | ______ | 48 | ______ | 54 | S,M,O, |
| P % | 0.15 | ______ | 0.20 | ______ | 0.26 | ______ | 0.30 | ______ | 0.43 | M,O, |
| Pb ppm | 25 | ______ | 45 | ______ | 70 | ______ | 100 | ______ | 107 | M,S,T, |
| Rb ppm | 8 | ______ | 10 | ______ | 13 | ______ | 17 | ______ | 20 | M,S,O, |
| Re ppm | 0.0015 | ______ | 0.0025 | ______ | 0.0035 | ______ | _ | ______ | 0.0030 | M,S,T, |
| S % | 0.08 | ______ | 0.12 | ______ | 0.17 | ______ | 0.22 | ______ | 0.28 | T,M,O, |
| Sb ppm | 0.9 | ______ | 1.2 | ______ | 1.6 | ______ | 2.1 | ______ | 5.2 | M,O,T |
| Sc ppm | 6.5 | ______ | 8.5 | ______ | 10.5 | ______ | 15 | ______ | 18 | S,T,M, |
| Se ppm | 0.55 | ______ | 1.00 | ______ | 1.45 | ______ | 1.95 | ______ | 2.2 | O,M,T, |
| Sn ppm | 0.29 | ______ | 0.33 | ______ | 0.37 | ______ | 0.41 | ______ | 0.68 | S,T,M, |
| Sr ppm | 60 | ______ | 70 | ______ | 80 | ______ | 90 | ______ | 126 | M,T, |
| Te ppm | 0.06 | ______ | 0.1 | ______ | 0.15 | ______ | 0.22 | ______ | 0.57 | M,O,T |
| Th ppm | 10 | ______ | 25 | ______ | 50 | ______ | 80 | ______ | 260 | M,O, |
| Ti % | 0.050 | ______ | 0.075 | ______ | 0.100 | ______ | 0.150 | ______ | 0.210 | S,O,M,T, |
| Tl ppm | 0.06 | ______ | 0.07 | ______ | 0.09 | ______ | 0.13 | ______ | 0.22 | M,T,O, |
| U ppm | 8 | ______ | 12 | ______ | 20 | ______ | 30 | ______ | 41 | M,S,O, |
| V ppm | 120 | ______ | 155 | ______ | 210 | ______ | 300 | ______ | 511 | M,S,O, |
| W ppm | 4 | ______ | 8 | ______ | 13 | ______ | 20 | ______ | 74 | M,O,S, |
| Y ppm | 8.5 | ______ | 10.5 | ______ | 13.5 | ______ | 18.5 | ______ | 25 | S,T,O, |
| Zn ppm | 140 | ______ | 200 | ______ | 270 | ______ | 350 | ______ | 477 | M,S,O,T |
| Zr ppm | 1.5 | ______ | 2.5 | ______ | 3.5 | ______ | 4.5 | ______ | 6.0 | T,SM, |

## 3.5 LDS Sample UTM Coordinates and MOT Sample Location Map

The UTM locations for the LDS stream sediment samples, obtained with a hand-held GPS instrument, are listed in *Table 4* and shown on the MOT Sample Location Map below, *Fig.4.*

Each of the claim groups, the SAY, MOT and SUSTUT PORPHYRY, was sampled by the writer within a daily flight from the Canadian Helicopters base in Smithers. On the last day return trip four additional samples were collected on the expired Off claim, to use up the daily minimum flight hours, and are not discussed further.

Table 4: Bear Lake properties LDS stream sediment sample UTM Locations

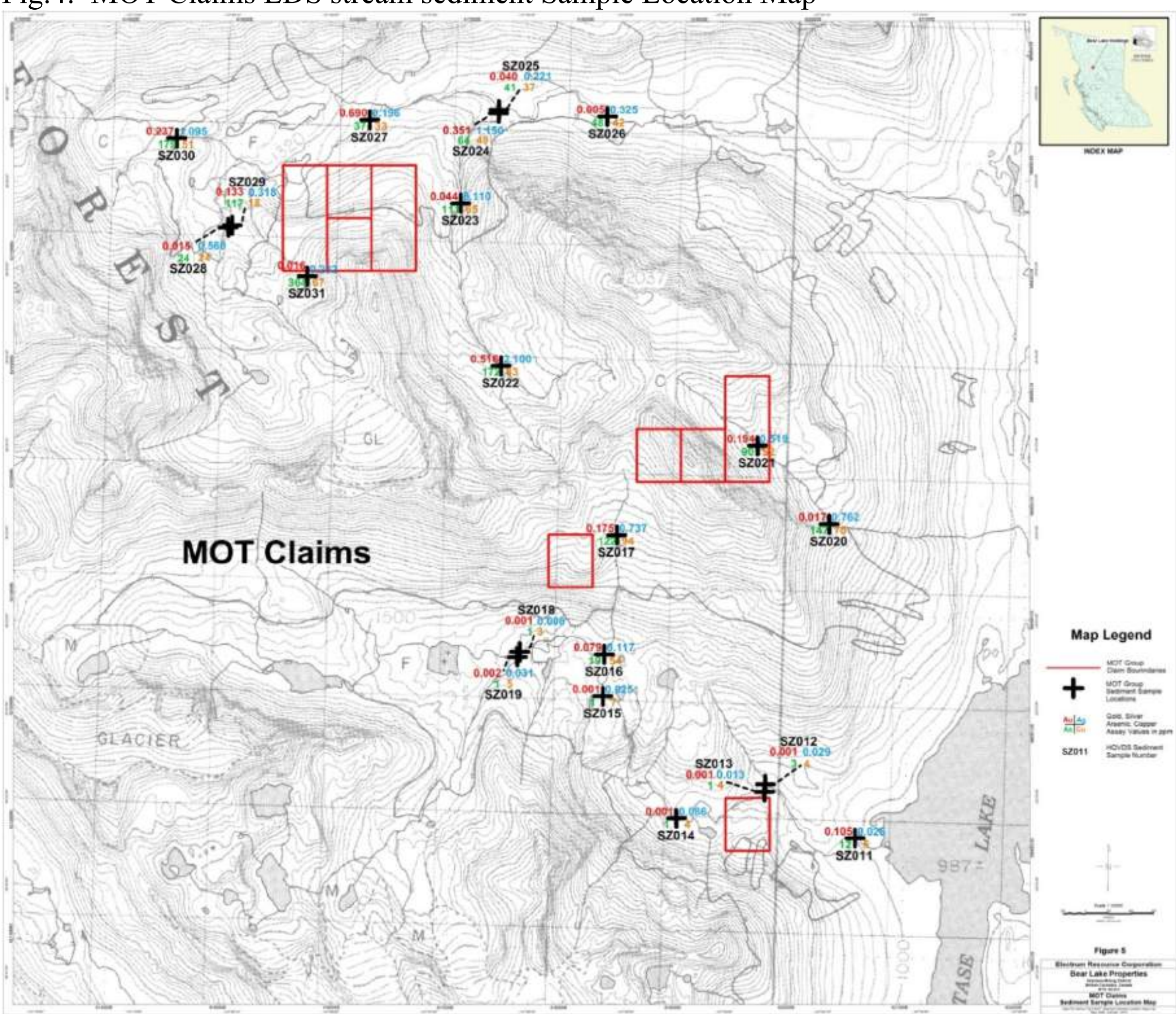
| Electrum Bear Lake Properties - SAY, MOT and SUSTUT PORPHURY Claims - HQDS Sample Locations | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Sample** | **E.nad83z9n** | **N.nad83z9n** | **elev.m.** | **Claims** | **Sample** | **E.nad83z9n** | **N.nad83z9n** | **elev.m.** | **Claims** |
| **SZ001** | 637632 | 6212812 | 828 | Say | **SZ023** | 616944 | 6217528 | 1314 | Mot |
| **SZ002** | 635839 | 6212016 | 1482 | Say | **SZ024** | 617256 | 6218328 | 1168 | Mot |
| **SZ003** | 635668 | 6212457 | 1491 | Say | **SZ025** | 617259 | 6218360 | 1162 | Mot |
| **SZ004** | 634782 | 6213798 | 1538 | Say | **SZ026** | 618214 | 6218326 | 1122 | Mot |
| **SZ005** | 634201 | 6214903 | 1525 | Say | **SZ027** | 616125 | 6218239 | 1247 | Mot |
| **SZ006** | 634617 | 6214827 | 1391 | Say | **SZ028** | 614904 | 6217260 | 1404 | Mot |
| **SZ007** | 636966 | 6216128 | 801 | Say | **SZ029** | 614940 | 6217279 | 1402 | Mot |
| **SZ008** | 633090 | 6211213 | 892 | Say | **SZ030** | 614431 | 6218032 | 1428 | Mot |
| **SZ009** | 632281 | 6212696 | 891 | Say | **SZ031** | 615612 | 6216849 | 1539 | Mot |
| **SZ010** | 633768 | 6209694 | 868 | Say | **SZ032** | 607231 | 6235233 | 732 | SustPorph |
| **SZ011** | 620565 | 6212039 | 984 | Mot | **SZ033** | 606548 | 6232904 | 759 | SustPorph |
| **SZ012** | 619765 | 6212493 | 1062 | Mot | **SZ034** | 605251 | 6229698 | 830 | SustPorph |
| **SZ013** | 619758 | 6212424 | 1066 | Mot | **SZ035** | 605633 | 6227578 | 836 | SustPorph |
| **SZ014** | 618989 | 6212171 | 1121 | Mot | **SZ036** | 603843 | 6233185 | 967 | SustPorph |
| **SZ015** | 618313 | 6213228 | 1360 | Mot | **SZ037** | 602865 | 6232883 | 1071 | SustPorph |
| **SZ016** | 618316 | 6213596 | 1395 | Mot | **SZ038** | 601970 | 6231724 | 1170 | SustPorph |
| **SZ017** | 618397 | 6214648 | 1714 | Mot | **SZ039** | 606016 | 6235925 | 685 | SustPorph |
| **SZ018** | 617572 | 6213598 | 1378 | Mot | **SZ040** | 607275 | 6234510 | 724 | SustPorph |
| **SZ019** | 617550 | 6213552 | 1384 | Mot | **SZ041** | 604005 | 6214455 | 1527 | Off |
| **SZ020** | 620262 | 6214795 | 1489 | Mot | **SZ042** | 603485 | 6213722 | 1275 | Off |
| **SZ021** | 619613 | 6215468 | 1546 | Mot | **SZ043** | 603512 | 6213705 | 1270 | Off |
| **SZ022** | 617338 | 6216108 | 1514 | Mot | **SZ044** | 602980 | 6213600 | 1261 | Off |

Photos 2, 3, 4, show typical variety of difficult alpine environments that the field-sieved LDS sampling method overcomes with onsite single-phase lithic sample material standardization.

Photo 2: *Overbank LDS sampling of a flooding stream*

Photos 3 and 4: Only the experience and skill of the pilot, Tom Brooks, whether landing on a slide slope or corkscrewing vertically onto postage stamp-sized bars in a flooding main stream valley, made the collection of as many samples possible.


Fig.4: MOT Claims LDS stream sediment Sample Location Map



The present discontinuous MOT claims are the core holdings of Electrum's larger MOT property that existed to the northwest of Motase Lake several years ago when the rock samples were collected [see the geology Map, *Fig.2 and Ref.s 1,4,5*].
The small size of the current individual MOT claim groups, and the lack of suitable drainages on the ridgetops, made it imperative that the peripheral streams be sampled for effective geochemical evaluation by the LDS sampling method of both the detrital and the hydromorphic dispersion trains for the mineralization potential on each of the separate claims.

As enumerated in Plouffe et al (2016) on the area's length of glacial detrital minerals dispersion trains in 'Till geochemistry and mineralogy: vectoring towards Cu porphyry deposits in British Columbia', *Ref.15,* p. 225, *Glacial dispersal trains defined by high concentrations of Cu and other metals and sourced from Cu porphyry mineralization vary in length from 100 m to several kilometres …, such variability in the distance of glacial transport is influenced by a number of factors such as, the till thickness, the level of element enrichment in mineralized rocks relative to country rocks, the areal extent of mineralization exposed to glacial erosion, the topographic position of sub-cropping mineralization (e.g. valley bottom, on lee-side of topographic high, or on top of topographic high), the glaciological context … .*

## 3.6 MOT Claims LDS Anomalous Cu, Au, Ag and Pathfinder Elements

The MOT property has more than 65 years of exploration history, changing owners many times. Significant gold values are associated with base metal sulphide minerals within mesothermal style quartz veins. The veining appears to be related to a dyke swarm of orthoclase, megacrystic monzonite intruding argillite, sandstone and conglomerate of the Bowser Lake Group. A large batholith of quartz diorite is situated to the west of the property and forms the south-western third of the property area. Approximately four to six, sizable areas of mineralization and associated anomalous soil geochemistry have been defined, which are somewhat zoned from Mo-Cu-Au-Ag-W in the north and Au-Ag +/-Cu-Pb-Zn to the south. A majority of significant assays have come from the Huestis zone and a majority of the advance exploration has been undertaken there. There is no documentation of large scale geophysical surveys having been undertaken on the property, which is not unreasonable in light of the exploration focus has been on gold and silver within quartz veins hosted by carbonaceous shale and as such, the mineralization is not well suited for most geophysical techniques. Two, relatively small, drill programs have been undertaken exploring gold bearing veins in the Huestis zone and another drill program exploring for porphyry Mo-Cu mineralization. The initial drill program involved very short holes (likely with very small diameter core) testing directly below relatively high-grade surface mineralization at shallow depths and yielded a 9m (~6m true) intersection grading 9.1g/t Au. A more extensive drill program in 1987 tested a larger area of mineralization and fortunately almost all of the core was split and assayed allowing for a better understanding of the distribution of gold mineralization. The results of this program suggested that there may be some potential for a low grade bulk tonnage gold deposit. [*copied from Holbek et al, BCAR33596*, *Ref.1*]

### 3.6.1 Rock vs LDS Sediment Sample Cu, Au, Ag and Pathfinder Element Correlation

The element correlations shown in *Table 5,* below, for the 34 rock samples collected by Holbek et al, *Ref.s 1,4*, on the MOT claims are dominated by Huestis zone Cu-Ag mineralized rock samples and drill core, which yielded up to 2.0ppm Au, 46.5ppm Ag and 1236ppm Cu.

The rock samples also yielded up to 2935ppm As, 58ppm Bi, 159ppm Cd, 49ppm Mo, 1% Pb, 5.0% S, 20ppm Sb,20ppm Te, 1.5ppm Tl, 8.6ppm U, 1% Zn and numerous >100ppm W values. Strongly anomalous 5.1% Ca, 5.1%Fe, 1.4% K and 2174ppm Mn are also present in the core. Among the 56 rock samples collected by Ronning and Schau, *Ref. 5*, several quartz veins located near LDS sample SZ022, over the pass northeast of the Huestis zone, carry up to 14.7ppm Au, 134ppm Ag, 743ppm Cu, plus up to 453ppm As, 241ppm Bi, 163ppm Cd, 4.8% S, 3593ppm Pb, 69ppm Sb, 30ppm U, 412ppm W and >1% Zn.
Still stronger mineralization is present in the gossanous quartz vein and breccia float bearing base metal sulfides found near the creek half way between drainage samples SZ022 and SZ023, with up to 35.2ppm Au, 111.5ppm Ag, 615ppm Cu, 88ppm Bi, 499ppm Cd, 133ppm Sb, 121ppm U, 104ppm W, and >1% As, Pb, Zn, and >5% S, >15% Fe.

The mineralization in the rock samples is reflected in the precious metals – base metals correlation for the LDS fluvial samples as well, though the relation to the iron is lost.
It is particularly rewarding to see the high correlation coefficient of r= 0.5 between the 30 gram Fire Assay gold values and the tiny 1 gram super-trace ICP-MS Au analysis, which again, is directly related to the lithic single-phase sample quality of the LDS method.

Table 5: MOT Claims – Rock vs LDS Sample Au, Ag, Cu & Pathfinder Elements Correlation

| 34Rx | Au* | Ag* | Cu | As | Al% |
|---|---|---|---|---|---|
| Ag* | 0.4 | 1.0 | | | |
| Cu | 0.0 | 0.6 | 1.0 | | |
| As | 0.4 | 0.6 | 0.0 | 1.0 | |
| Al% | -0.3 | -0.4 | -0.3 | -0.2 | 1.0 |
| Ba | -0.1 | -0.3 | -0.2 | -0.3 | 0.6 |
| Bi | 0.2 | 0.7 | 0.7 | 0.0 | -0.3 |
| Ca% | -0.1 | -0.1 | 0.1 | -0.1 | 0.0 |
| Cd | 0.4 | 0.5 | 0.2 | 0.0 | -0.2 |
| Co | -0.1 | 0.0 | 0.4 | -0.3 | 0.2 |
| Cr | -0.2 | -0.4 | -0.3 | -0.2 | 0.9 |
| Fe% | 0.1 | 0.3 | 0.4 | 0.1 | 0.3 |
| Hg* | 0.0 | 0.1 | -0.1 | -0.1 | -0.3 |
| K% | -0.2 | -0.3 | -0.2 | -0.2 | 0.6 |
| La | -0.3 | -0.2 | -0.2 | -0.1 | 0.3 |
| Mg% | -0.3 | -0.4 | -0.2 | -0.3 | 0.9 |
| Mn | -0.2 | -0.2 | 0.0 | -0.1 | 0.1 |
| Mo | 0.3 | -0.1 | -0.1 | 0.0 | -0.2 |
| Na% | -0.3 | -0.3 | -0.2 | -0.1 | 0.7 |
| Ni | -0.2 | -0.3 | -0.1 | -0.2 | 0.8 |
| P% | -0.3 | -0.2 | -0.1 | -0.1 | 0.4 |
| Pb | 0.5 | 0.7 | 0.1 | 0.9 | -0.3 |
| S% | 0.1 | 0.4 | 0.7 | -0.1 | -0.4 |
| Sb | 0.3 | 0.7 | 0.2 | 0.9 | -0.3 |
| Sc | -0.2 | -0.4 | -0.3 | -0.3 | 0.9 |
| Se | 0.1 | 0.8 | 0.9 | 0.3 | -0.4 |
| Sr | -0.1 | -0.2 | 0.1 | -0.1 | 0.1 |
| Te | -0.1 | 0.2 | 0.7 | 0.0 | -0.3 |
| Th | -0.3 | -0.2 | -0.2 | -0.2 | 0.3 |
| Ti% | -0.3 | -0.3 | -0.2 | -0.2 | 0.7 |
| Tl | -0.2 | -0.3 | -0.2 | -0.1 | 0.5 |
| U | -0.1 | -0.1 | -0.1 | 0.0 | -0.1 |
| V | -0.2 | -0.4 | -0.3 | -0.3 | 0.9 |
| W | 0.2 | 0.1 | 0.2 | 0.2 | -0.4 |
| Zn | 0.4 | 0.5 | 0.2 | 0.0 | -0.2 |
| 2012 - Holbek et al / Acme Lab | | | | | |

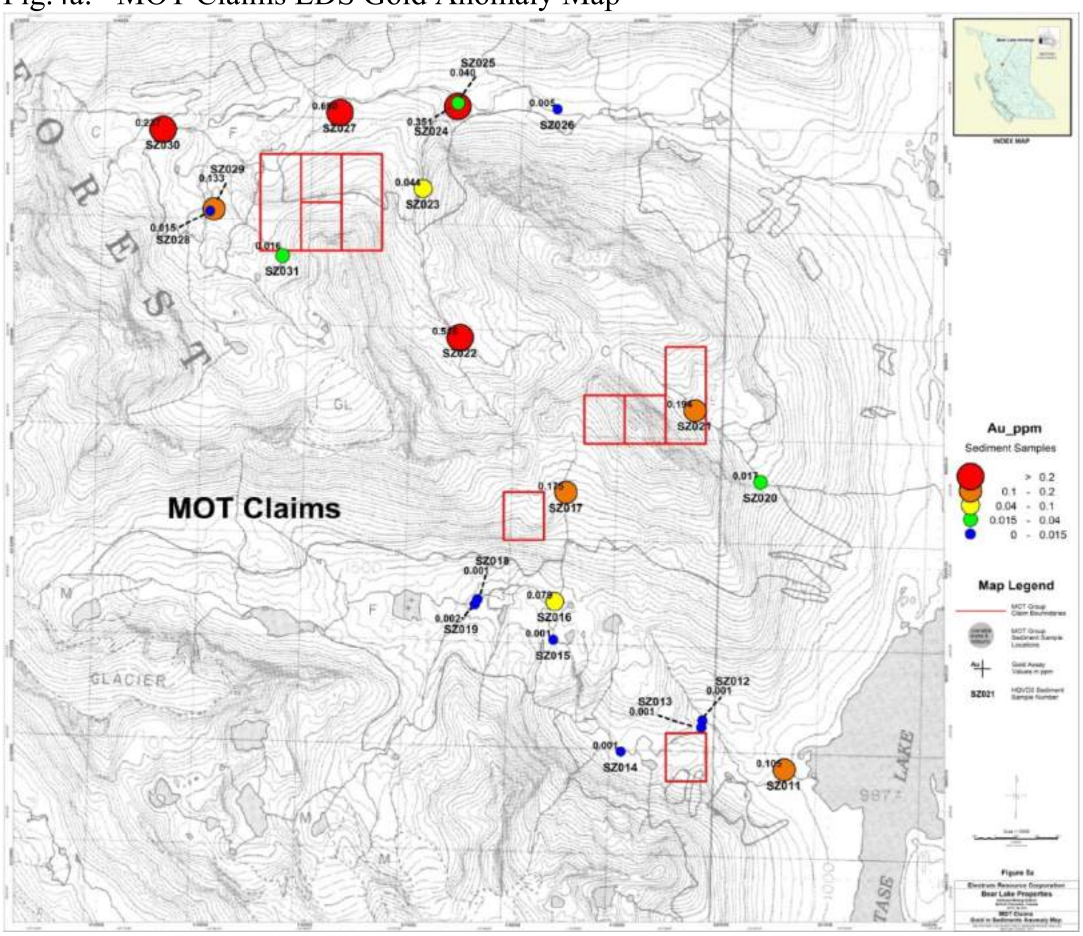
| 56Rx | Au | Ag | Cu | As | Al% |
|---|---|---|---|---|---|
| Ag | 0.9 | 1.0 | | | |
| Cu | 0.4 | 0.5 | 1.0 | | |
| As | 0.6 | 0.4 | 0.3 | 1.0 | |
| Al% | -0.2 | -0.3 | -0.2 | -0.3 | 1.0 |
| Ba | -0.2 | -0.2 | -0.2 | -0.3 | 0.3 |
| Bi | 0.4 | 0.8 | 0.3 | 0.1 | -0.2 |
| Ca% | -0.1 | -0.2 | -0.1 | -0.1 | 0.5 |
| Cd | 0.8 | 0.7 | 0.6 | 0.5 | -0.2 |
| Co | 0.4 | 0.3 | 0.4 | 0.1 | 0.3 |
| Cr | 0.0 | 0.1 | 0.0 | 0.2 | -0.4 |
| Fe% | 0.8 | 0.6 | 0.5 | 0.6 | -0.1 |
| Hg | 0.0 | 0.0 | -0.1 | 0.0 | -0.1 |
| K% | -0.2 | -0.2 | -0.1 | -0.2 | 0.6 |
| La | -0.1 | -0.2 | -0.2 | -0.2 | 0.1 |
| Mg% | -0.2 | -0.3 | -0.2 | -0.2 | 0.6 |
| Mn | -0.1 | -0.1 | -0.1 | -0.1 | 0.0 |
| Mo | -0.1 | -0.1 | 0.0 | 0.0 | -0.1 |
| Na% | -0.1 | -0.2 | -0.2 | -0.2 | 0.9 |
| Ni | 0.1 | 0.0 | 0.2 | 0.0 | 0.1 |
| P | -0.2 | -0.2 | -0.2 | -0.3 | 0.4 |
| Pb | 0.8 | 0.7 | 0.4 | 0.7 | -0.2 |
| S% | 0.8 | 0.7 | 0.6 | 0.8 | -0.3 |
| Sb | 0.9 | 0.6 | 0.6 | 0.7 | -0.2 |
| Sc | -0.1 | -0.1 | 0.0 | -0.1 | 0.7 |
| Se | #### | #### | #### | #### | #### |
| Sr | 0.0 | -0.1 | -0.1 | 0.0 | 0.2 |
| Te | #### | #### | #### | #### | #### |
| Th | -0.1 | -0.1 | -0.2 | -0.2 | 0.0 |
| Ti% | -0.1 | -0.1 | -0.1 | -0.1 | 0.5 |
| Tl | 0.0 | -0.1 | -0.1 | -0.1 | 0.0 |
| U | 0.8 | 0.6 | 0.4 | 0.6 | -0.2 |
| V | -0.2 | -0.2 | -0.2 | -0.2 | 0.8 |
| W | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 |
| Zn | 0.7 | 0.8 | 0.5 | 0.5 | -0.2 |
| 2007 - Ronning-Schau / Assayers Lab | | | | | |

| MOT21Seds | AuFire | AuMS | Ag | Cu | As | Al% |
|---|---|---|---|---|---|---|
| AuMS | 0.5 | 1.0 | | | | |
| Ag | 0.1 | 0.2 | 1.0 | | | |
| Cu | 0.4 | 0.4 | 0.4 | 1.0 | | |
| As | 0.2 | 0.3 | 0.2 | 0.7 | 1.0 | |
| Al% | 0.2 | 0.0 | 0.1 | 0.8 | 0.7 | 1.0 |
| Ba | 0.0 | 0.0 | 0.2 | 0.6 | 0.3 | 0.7 |
| Bi | 0.3 | 0.6 | 0.3 | 0.7 | 0.4 | 0.3 |
| Ca% | -0.3 | -0.2 | -0.3 | -0.8 | -0.6 | -0.7 |
| Cd | 0.2 | 0.2 | 0.4 | 0.9 | 0.8 | 0.8 |
| Co | 0.1 | 0.1 | 0.2 | 0.7 | 0.8 | 0.7 |
| Cr | -0.3 | -0.1 | -0.3 | -0.4 | -0.4 | -0.5 |
| Fe% | -0.2 | -0.1 | -0.2 | -0.4 | -0.3 | -0.5 |
| Hg | 0.4 | 0.1 | 0.4 | 0.7 | 0.7 | 0.7 |
| K% | 0.1 | 0.0 | 0.0 | 0.2 | -0.2 | 0.4 |
| La | -0.3 | -0.1 | -0.3 | -0.6 | -0.5 | -0.8 |
| Mg% | 0.3 | 0.0 | 0.2 | 0.7 | 0.6 | 0.9 |
| Mn | 0.0 | 0.0 | 0.2 | 0.6 | 0.9 | 0.7 |
| Mo | 0.2 | 0.3 | 0.3 | 0.8 | 0.8 | 0.7 |
| Na% | 0.3 | -0.2 | -0.2 | -0.2 | -0.2 | 0.2 |
| Ni | 0.3 | 0.1 | 0.3 | 0.8 | 0.6 | 0.9 |
| P | -0.3 | -0.1 | -0.2 | -0.7 | -0.5 | -0.8 |
| Pb | 0.2 | 0.3 | 0.8 | 0.8 | 0.4 | 0.5 |
| S% | 0.3 | 0.4 | 0.7 | 0.4 | 0.4 | 0.1 |
| Sb | 0.3 | 0.3 | 0.8 | 0.6 | 0.5 | 0.3 |
| Sc | 0.3 | 0.1 | 0.2 | 0.8 | 0.3 | 0.8 |
| Se | 0.3 | 0.1 | 0.4 | 0.7 | 0.7 | 0.6 |
| Sr | -0.3 | -0.2 | -0.3 | -0.5 | -0.4 | -0.2 |
| Te | 0.3 | 0.7 | 0.3 | 0.7 | 0.5 | 0.3 |
| Th | -0.3 | -0.1 | -0.2 | -0.5 | -0.4 | -0.7 |
| Ti% | -0.1 | -0.2 | -0.3 | -0.4 | -0.5 | -0.2 |
| Tl | 0.2 | 0.2 | 0.2 | 0.6 | 0.2 | 0.7 |
| U | -0.3 | -0.1 | -0.3 | -0.5 | -0.4 | -0.6 |
| V | -0.3 | -0.1 | -0.3 | -0.5 | -0.5 | -0.6 |
| W | 0.5 | 0.9 | 0.3 | 0.6 | 0.3 | 0.2 |
| Zn | 0.3 | 0.2 | 0.3 | 0.9 | 0.7 | 0.8 |
| 2016 - Zastavnikovich / ALS Lab | | | | | | |

### 3.6.2 LDS Stream Sediment Sample Cu, Au, Ag and Pathfinder As Anomalies

The two northernmost MOT claim groups are surrounded by strongly anomalous LDS sample precious metals and base metals values, leading to their ridgetop centers as the foci for, particularly, precious metals mineralization potential.
The immediate area of the northwestern Mot, Mot1, Mot3, Mot13 group is very strongly anomalous in precious metals, with 0.690ppm Fire Au present in LDS sample SZ027, *Fig.4a*, and 8.110ppm Ag in sample SZ023, *Fig,4b,* together with strongly anomalous pathfinder element As, *Fig.4d*, Cd, Mo, S, Sb, Se, and Tl values, to moderately anomalous in Al, Ni, Te, Zn, and weakly anomalous in Cu, Bi, Cs, Fe, Li, and Mn values, *Appendix II.*
The central Mot11, Mot12 and Mot18 group is strongly anomalous in gold and silver, with 0.194ppm Fire Au, 0.519ppm Ag present in LDS sample SZ021, and 0.175ppm Fire Au, 0.735ppm Ag present in sample SZ017, *Fig.s 4a,b,* plus strongly anomalous As, Bi, Cd, Te, W, and weakly to moderately anomalous in Cu, Al, Cs, Mn, Ni, Pb, Sb, Se and Zn, *Appendix II.*
The Huestis zone is drained by LDS fluvial sample SZ017, with strongly anomalous Au, Ag, Al, As, Cd, Cu, K, Ni, Pb, Rb, Tl, W and Zn values, all of which rapidly dissipate downstream, except for the alkaline elements K, Rb, Tl, to the bottom sample, SZ016, where very strongly anomalous Fe, Th, indicate presence of very strong faulting, but barren, as in all of the LDS samples collected around the single unit Mot14 and Mot17 claims in the southern MOT area.

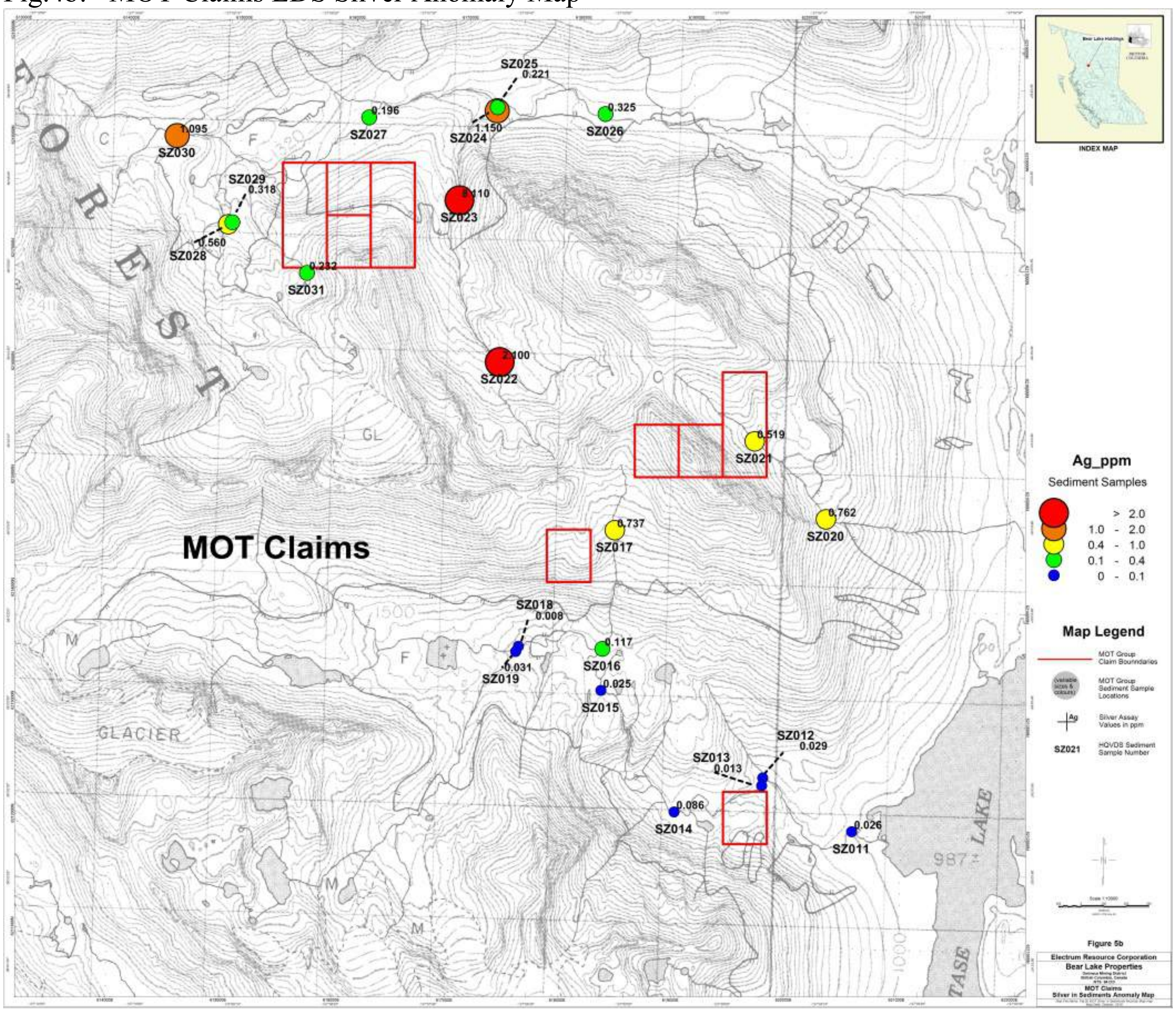
Fig.4a: MOT Claims LDS Gold Anomaly Map



The gold Anomaly Map above indicates the strongly anomalous northern half of the MOT claims area, and the barren southern half. The moderately anomalous gold value present in Motase lakeshore LDS sample SZ011 is not supported by any anomalous pathfinder geochemistry, and is therefore most likely of placer origin, sourced from the glacial gravels present in the main Motase Lake valley.

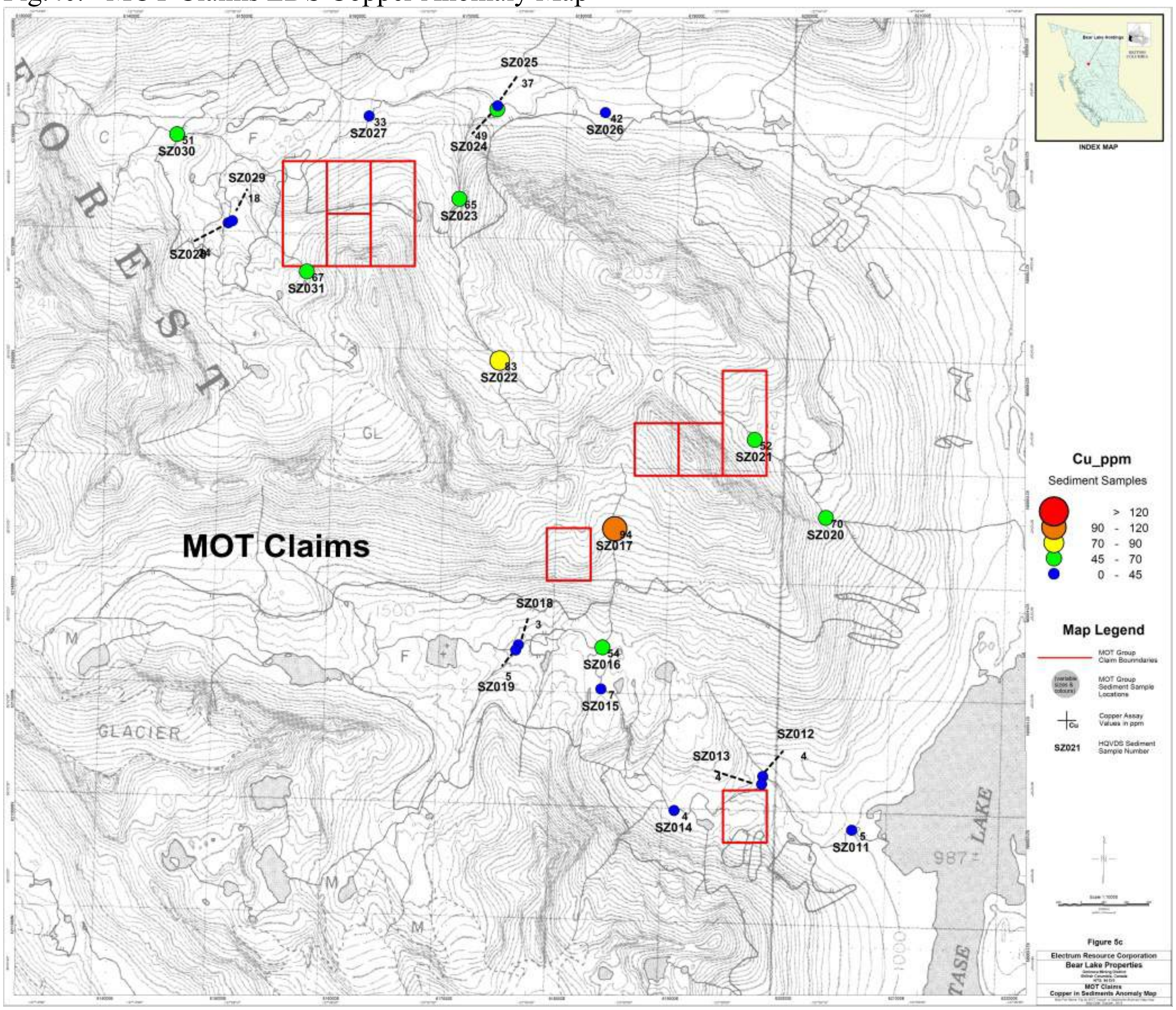
The silver Anomaly Map, *Fig.4b* below, confirms the strongly precious metals-anomalous northern portion of the MOT claims area and the barren south.

Fig.4b: MOT Claims LDS Silver Anomaly Map



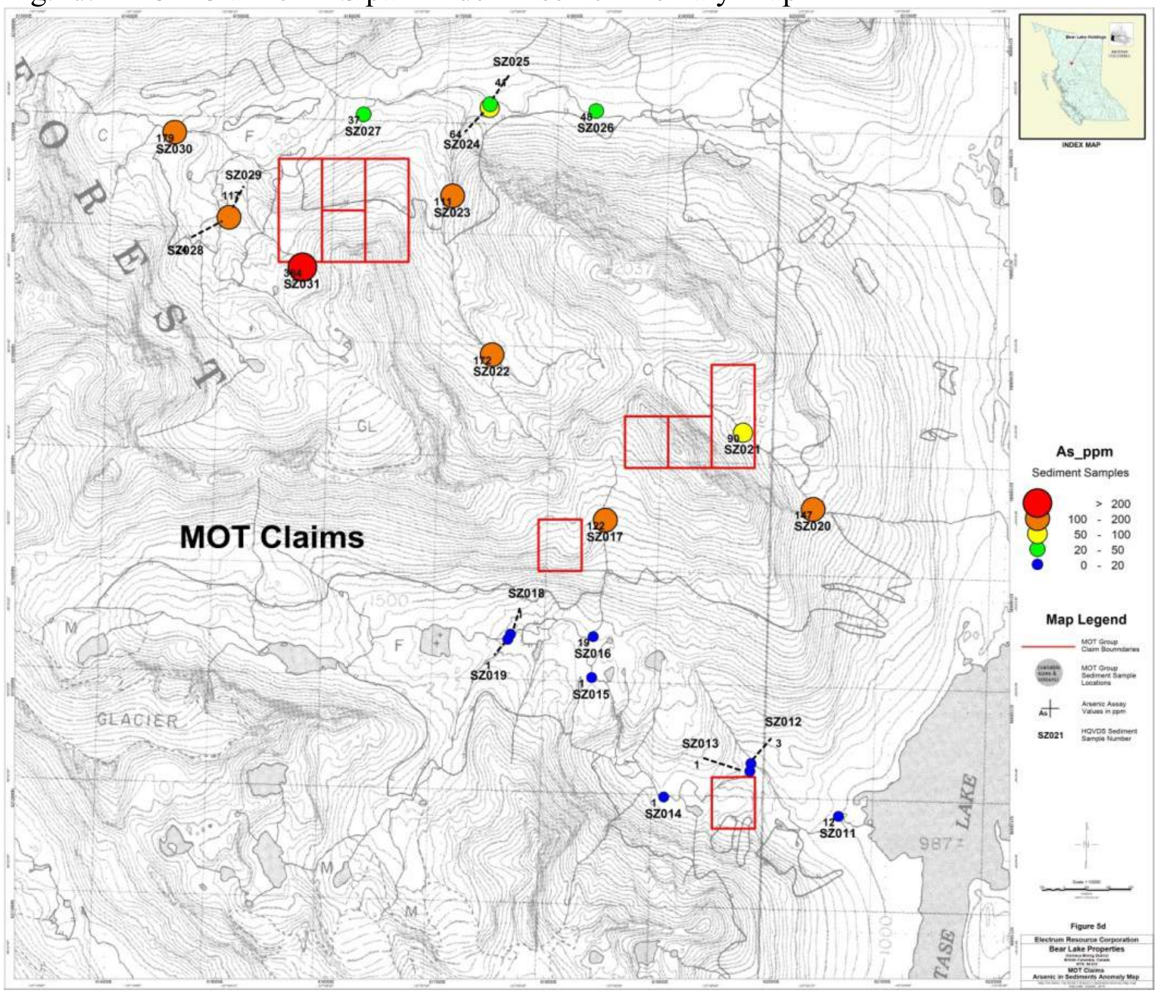
The copper Anomaly Map, *Fig.4c*, identifies LDS sample SZ017 as strongly anomalous, because of its proximity to the Huestis zone copper mineralization. The Cu anomaly in the small stream persists only weakly downstream to sample SZ016, lessening the anomaly's relative importance.

Fig.4c: MOT Claims LDS Copper Anomaly Map



The pathfinder trace element arsenic Anomaly Map, *Fig.4d,* confirms the stronly anomalous nature of precious metals mineralization potential in the nortern half of the MOT claims area.

Fig.4d: MOT Claims LDS pathfinder Arsenic Anomaly Map




3.7.3 Conclusions

Strongly anomalous gold, silver, and their pathfinder tarce elements As, Bi, Cd, Cu, Mo, Pb, S, Sb, Se,Te,Tl, W and Zn present in the LDS stream sediment samples, geochemically identify the two nortern MOT claim groups and their vicinity for strong precious metals mineralization potential in the northern half of the MOT claims area.

The southern half of the MOT area properties is geochemically barren of either precious or base metals mineralization potential.

The Huestis showing's copper-gold-silver mineralization is readily identified with the strong Au-Ag-Cu-As signature on the Anomaly Maps, and the other pathfinder trace elements mentioned, but neither the precious nor the base metal elements persist sufficiently strongly downstream, diminishing the mineralization potential of the Huestis zone itself.

## 4.0 CONCLUSIONS and RECOMMENDATIONS

1. Relatively anomalous multi-element geochemical signatures of mineralization potential were obtained by the writer on Electrum's three claim areas, located some 165 km north of Smithers, BC, the SAY, MOT and SUSTUT PORPHYRY, away from their known mineral showings respectively, the Spur, Huestis and Jake, utilizing his field wet-sieved high-quality 'Lithic Drainage Sediment' sampling method, the 'LDS', providing additional multi-element anomalous geochemical targets for the precious metals and/or copper mineralization potential on each of the mineral properties.
As Plouffe et al. state on till sampling in 'Till geochemistry and mineralogy: vectoring towards Cu porphyry deposits in British Columbia, Canada': *Key results from this study are that products of porphyry-style mineralisation can be detected over several kilometres both as multielement chemical enrichment in the clay-sized fraction of till and as identifiable grains of ore related minerals within silt/sand-sized fractions of till … Comparisons between the various study sites indicates that the actual chemical concentrations or number of grains that define the dispersal trains are not important, merely that they are anomalous relative to the regional background values…, Ref.15.*
Plouffe et al. second the well-established geochemical principle in mineral exploration that the relative, rather than the absolute, anomalous element values are the most important, on which are based the writer's LDS sampling method, and its geochemical interpretation of a prospective area's mineralization potential.

2. Strongly anomalous gold, silver, and their pathfinder tarce elements As, Bi, Cd, Cu, Mo, Pb, S, Sb, Se,Te,Tl, W and Zn present in the LDS stream sediment sample SZ021, with 0.194ppm Au, 0.519ppm Ag, located on the central MOT claims group, and samples SZ022, SZ023 with 0.516ppm Au, 0.044ppm Au and 2.100ppm Ag and 8.110ppm Ag respectively, located along the northern and eastern boundaries of the northwestern MOT claim group, geochemically identify the two claim groups and their vicinity for strong precious metals mineralization potential in the northern half of the MOT claims area.

3. The northern half of the MOT claims area requires on foot follow-up completion in detail of the LDS sampling method geochemical survey in order to pinpoint the most likely source locations of the reconnaissance-scale precious metals anomalies identified thus far within the central and the northwestern sectors of the MOT mineral claims area.
The southern half of the claims area is geochemically non-anomalous for either precious or base metals, and requires no follow-up LDS method sampling.

4. In all three areas sampled, even the limited scope of the reconnaissance scale LDS sampling survey has established close correlation with the mineralized rock samples lithochemistry, demonstrating its inherent capacity for geochemical assessment of the mineralization potential and for focusing the more expensive exploration methods on the most prospective sectors of a mineral property.

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# 6.0 CERTIFICATE

## CERTIFICATE

I, Sam Zastavnikovich, P. Geo., Consulting Geochemist, with residence and office address at 5063-56th Street, Delta, British Columbia, do hereby certify that:

1. I am a 1969 graduate of the University of Alberta, with B. Ed. degree in Physical Sciences.

2. I have been continuously employed from 1969 to 1982 by Falconbridge Ltd. of Toronto and Vancouver as field geochemist working in Canada, the U.S.A., the Caribbean and S. America.

3. Since 1982 to present I have continuously practiced as a consulting geochemist in the private and government sectors of the mineral exploration industry, having worked in Canada, Alaska, Nevada, S. Carolina, Mexico and China, for various clients, including from 1995 to 2000 for Cominco International in South America.

4. I am a Fellow of the Association of Applied Geochemists since 1981, AAG #1012.

5. I have been registered with the Association of Professional Engineers and Geoscientists of British Columbia since 1993, APEGBC license #20661.

6. In 1986 I supervised on behalf of the Geological Survey of Canada (GSC) and the B.C. Ministry of Mines the regional geochemical drainage sampling (RGS) survey for map sheets NTS93/E and L, and published in *Geological Fieldwork* , 1986, BCMEMPR, Paper 1987-1, pp 405-409, on the importance of sampling quality in drainage sampling surveys.

7. This report is based on my own geochemical fieldwork and observations on Electrum's Bear Lake mineral properties, the SAY, MOT and SUSTUT PORPYRY in northern British Columbia, form September 6th to 11th, 2016, and on my interpretation of the analytical results obtained.

Dated at Delta, British Columbia, this 26th day of September, 2017.

Sam Zastavnikovich, P.Geo.
Constulting Geochemist

PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
S. Zastavnikovich

## APPENDIX I - STATEMENT OF COSTS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **APPENDIX I** | | **STATEMENT OF COSTS- for Electrum Resources** | | | | | |
| | | | | | | | |
| Bear Lake Properties- SAY, MOT and SUSTUT PORPHYRY mineral claims: | | | | | | | |
| | | | | | | | |
| **SAY (31%)** | **$10,040.67** | | | | | | |
| **MOT (38%)** | **$12,307.91** | | | | | | |
| **SP (31%)** | **$10,040.67** | | | | | | |
| | | | | | | | |
| S. Zastavnikovich: | | | days/qnty | /day; /unit | | | |
| Fieldwork, Sept.5-13, 2016 | | | 6.5 | 650.00 | | 4225.00 | |
| sample deliv. | | | 0.5 | 650.00 | | 325.00 | |
| lodging | | | | | | 893.39 | |
| meals | | | | | | 275.00 | |
| field supplies,maps,transport | | | | 425.00 | | 425.00 | |
| pan & sieves | | | 6 | 30.00 | | 180.00 | |
| travel,air, | | | | | | 1005.71 | |
| | | | | | | 7329.10 | **7329.10** |
| | | | | | | | |
| Geochemical Report | | | 6 | 650.00 | | 3900.00 | |
| printer ink | | | | | | 87.00 | |
| | | | | | | 3987.00 | **3987.00** |
| | | | | | | | |
| Ed Rockel: | | | | | | | |
| report Maps | | | | | | 1828.57 | |
| gst | | | | | | 91.43 | |
| | | | | | | 1920.00 | **1920.00** |
| | | | | | | | |
| ALS Lab - Analysis: | | | | | | | |
| Admin Fee | | | 1 | | | 33.10 | |
| Prep, HQDS, | | | 44 | 1.45 | | 63.80 | |
| Wght Chrg | | | 14.18 | 2.35 | | 33.32 | |
| PGM- FA-ICP | | | 44 | 18.9 | | 831.60 | |
| ME-MS-ICP-super trace | | | 44 | 39.00 | | 1716.00 | |
| GST | | | | | | 133.89 | |
| | | | | | | 2811.71 | **2811.71** |
| | | | | | | | |
| Canadian Helicopters, Smithers | | | 3 | | | 16,341.44 | **16,341.44** |
| **Total:** | | | | | | | **32389.25** |
| | | | | | | | |

ALS Minerals

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: ELECTRUM RES. CORP
912- 510 W. HASTINGS STREET
VANCOUVER BC V6B 1L8

Page 1 of 1

**INVOICE NUMBER 3679763**

**BILLING INFORMATION**

| | |
|---|---|
| Certificate: | VA16153916 |
| Sample Type: | ~~Soil~~ HQDS silts. |
| Account: | ELEREC |
| Date: | 4- OCT- 2016 |
| Project: | Bear Lake- Motase |
| P.O. No.: | |
| Quote: | |
| Terms: | Due on Receipt C3 |
| Comments: | |

| QUANTITY | CODE | ANALYSED FOR DESCRIPTION | UNIT PRICE | TOTAL |
|---|---|---|---|---|
| 1 | BAT- 01 | Administration Fee | 33.10 | 33.10 |
| 44 | PREP- 41 | Dry, Sieve (180 um) Soil | 1.45 | 63.80 |
| 14.18 | PREP- 41 | Weight Charge (kg) - Dry, Sieve (180 um) Soil | 2.35 | 33.32 |
| 44 | PGM- ICP23 | Pt, Pd, Au 30g FA ICP | 18.90 | 831.60 |
| 44 | ME- MS41L | Super Trace Lowest DL AR by ICP- MS | 39.00 | 1,716.00 |

| | | |
|---|---|---|
| SUBTOTAL (CAD) | $ | 2,677.82 |
| R100938885 GST | $ | 133.89 |
| **TOTAL PAYABLE (CAD)** | **$** | **2,811.71** |

To: ELECTRUM RES. CORP
ATTN: JOHN BARAKSO
912- 510 W. HASTINGS STREET
VANCOUVER BC V6B 1L8

Payment may be made by: Cheque or Bank Transfer

| | |
|---|---|
| Beneficiary Name: | ALS Canada Ltd. |
| Bank: | Royal Bank of Canada |
| SWIFT: | ROYCCAT2 |
| Address: | Vancouver, BC, CAN |
| Account: | 003-00010-1001098 |

Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :
**ALS Canada Ltd.**
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

COPY

PAID

**APPENDIX I** - STATEMENT OF COSTS, cont'd

**CANADIAN HELICOPTERS**
AN HNZ COMPANY

**INVOICE**

Canadian Helicopters Limited
4500, 1000 Airport Road
Edmonton International Airport
Alberta T9E 0V3 | CANADA
Phone: 780-429-6900 | Fax: 780-429-6917
accts.receivable@canadianhelicopters.com

**Electrum**
**912 - 510 West Hastings St.**
**Vancouver, BC V6B 1L8**

**Invoice #:** INV-3016292
**Date:** 2016/09/14

**Customer #:** (office use only) 9418601
**Prepared by:** Michelle Finch 250 847 9444
**Page:** 1

Stream Sediment Sampling With Sam zastavnikovich at Motasie Lake area

| Flight Date | Flight Number | A/C Reg. | A/C Type | Hours Flown | Hours Minimum | Hours Invoiced |
|---|---|---|---|---|---|---|
| 16/09/07 | P 423155 | CGNPH | B206B3 | 3.9 | 4.0 | 4.0 |
| 16/09/08 | P 423156 | CGNPH | B206B3 | 3.8 | 4.0 | 4.0 |
| 16/09/10 | P 423157 | CGNPH | B206B3 | 4.1 | 4.0 | 4.0 |
| | | | **Total Hours:** | 11.8 | 12.0 | 12.0 |

*** AIRCRAFT FLIGHT CHARGES**

| | | |
|---|---|---|
| **Hours Flown** | | |
| B206B3 11.8 Hrs @ $1140.00 /Hr | $ | 13,452.00 |
| **Balance of Unused Minimums** | | |
| B206B3 0.2 Hrs @ $1140.00 /Hr | | 228.00 |
| **FUEL CHARGES** | | |
| **Fuel** | | |
| Smithers 1345.2 Lts @ $ 1.40 /Lt | | 1,883.28 |
| **SUBTOTAL** | $ | 15,563.28 |
| **GST 898699814-RT0001** | | 778.16 |
| **TOTAL** | $ | 16,341.44 |

Submitted via email to john-barakso@telus.net

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To: **ELECTRUM RES. CORP**
**912-510 W. HASTINGS STREET**
**VANCOUVER BC V6B 1L8**

**Page: 1**
**Total # Pages: 3 (A - D)**
**Plus Appendix Pages**
**Finalized Date: 4-OCT-2016**
**This copy reported on**
**5-OCT-2016**
**Account: ELEREC**

## CERTIFICATE VA16153916

Project: Bear Lake-Motase

This report is for 44 Soil samples submitted to our lab in Vancouver, BC, Canada on 13-SEP-2016.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| JOHN BARAKSO | SAM ZASTAVNIKOVICH | |

### 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 | |
|---|---|---|
| ME-MS41L | Super Trace Lowest DL AR by ICP-MS | |
| PGM-ICP23 | Pt, Pd, Au 30g FA ICP | ICP-AES |

To: **ELECTRUM RES. CORP**
**ATTN: SAM ZASTAVNIKOVICH**
**912-510 W. HASTINGS STREET**
**VANCOUVER BC V6B 1L8**

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: **ELECTRUM RES. CORP**
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**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-OCT-2016**
**Account: ELEREC**

Project: Bear Lake-Motase

# CERTIFICATE OF ANALYSIS VA16153916

| Sample Description / Method | WEI-21 | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | 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 | Pt | Pd | Au | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Ce |
| Units | kg | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| LOR | 0.02 | 0.001 | 0.005 | 0.001 | 0.0002 | 0.001 | 0.01 | 0.01 | 10 | 0.5 | 0.01 | 0.001 | 0.01 | 0.001 | 0.003 |
| SZ001 | 0.34 | <0.001 | <0.005 | <0.001 | 0.0004 | 0.035 | 0.95 | 8.26 | <10 | 127.0 | 0.23 | 0.043 | 0.41 | 0.047 | 14.20 |
| SZ002 | 0.20 | 0.011 | <0.005 | 0.006 | 0.0020 | 0.575 | 2.71 | 27.4 | <10 | 195.0 | 1.21 | 0.125 | 0.44 | 0.074 | 32.1 |
| SZ003 | 0.38 | <0.001 | <0.005 | <0.001 | 0.0005 | 0.073 | 1.12 | 7.74 | <10 | 164.5 | 0.68 | 0.057 | 0.22 | 0.153 | 19.05 |
| SZ004 | 0.32 | 0.003 | <0.005 | 0.001 | 0.0005 | 0.235 | 1.77 | 14.25 | <10 | 175.5 | 0.80 | 0.073 | 0.41 | 0.503 | 26.3 |
| SZ005 | 0.04 | 0.022 | <0.005 | 0.014 | 0.0281 | 0.703 | 3.71 | 17.10 | 10 | 78.3 | 0.70 | 0.090 | 0.80 | 0.291 | 19.70 |
| SZ006 | 0.22 | 0.014 | <0.005 | <0.001 | 0.0007 | 0.053 | 2.18 | 7.89 | 10 | 37.3 | 0.52 | 0.064 | 0.77 | 0.165 | 15.60 |
| SZ007 | 0.38 | <0.001 | <0.005 | <0.001 | 0.0008 | 0.541 | 1.06 | 15.30 | <10 | 211 | 0.74 | 0.193 | 0.30 | 0.270 | 20.1 |
| SZ008 | 0.22 | 0.150 | <0.005 | <0.001 | 0.0008 | 0.112 | 1.29 | 10.00 | <10 | 84.7 | 0.36 | 0.176 | 0.39 | 0.279 | 15.90 |
| SZ009 | 0.52 | 0.132 | <0.005 | <0.001 | 0.0005 | 0.212 | 1.35 | 9.16 | <10 | 88.3 | 0.40 | 0.225 | 0.42 | 0.502 | 18.60 |
| SZ010 | 0.30 | <0.001 | <0.005 | <0.001 | 0.0012 | 0.122 | 1.53 | 10.60 | <10 | 214 | 0.43 | 0.182 | 0.45 | 0.484 | 15.45 |
| SZ011 | 0.50 | 0.105 | <0.005 | <0.001 | 0.0030 | 0.026 | 0.17 | 12.35 | <10 | 17.2 | 0.08 | 0.157 | 0.99 | 0.028 | 74.1 |
| SZ012 | 0.40 | <0.001 | <0.005 | <0.001 | 0.0005 | 0.029 | 0.62 | 3.17 | <10 | 96.3 | 0.16 | 0.069 | 0.52 | 0.092 | 27.7 |
| SZ013 | 0.34 | <0.001 | <0.005 | <0.001 | 0.0002 | 0.013 | 0.32 | 0.66 | <10 | 49.9 | 0.06 | 0.098 | 0.75 | 0.014 | 50.6 |
| SZ014 | 0.38 | <0.001 | <0.005 | <0.001 | 0.0008 | 0.086 | 0.66 | 0.74 | <10 | 141.5 | 0.15 | 0.123 | 0.64 | 0.026 | 32.0 |
| SZ015 | 0.46 | <0.001 | <0.005 | <0.001 | 0.0006 | 0.025 | 0.10 | 0.60 | <10 | 10.9 | 0.10 | 0.225 | 0.64 | 0.023 | 54.0 |
| SZ016 | 0.42 | 0.079 | <0.005 | 0.001 | 0.0016 | 0.117 | 1.70 | 18.55 | <10 | 202 | 0.47 | 0.269 | 0.53 | 0.803 | 24.7 |
| SZ017 | 0.26 | 0.175 | <0.005 | <0.001 | 0.0162 | 0.737 | 2.39 | 121.5 | <10 | 225 | 0.65 | 1.025 | 0.23 | 3.73 | 24.8 |
| SZ018 | 0.28 | <0.001 | <0.005 | <0.001 | 0.0002 | 0.008 | 0.92 | 0.78 | <10 | 90.0 | 0.21 | 0.069 | 0.75 | 0.025 | 33.5 |
| SZ019 | 0.44 | 0.002 | <0.005 | <0.001 | 0.0006 | 0.031 | 0.62 | 0.77 | <10 | 60.8 | 0.18 | 0.194 | 0.79 | 0.018 | 46.3 |
| SZ020 | 0.18 | 0.017 | <0.005 | <0.001 | 0.0074 | 0.762 | 1.56 | 146.5 | <10 | 141.5 | 0.46 | 2.00 | 0.20 | 2.64 | 25.9 |
| SZ021 | 0.30 | 0.194 | <0.005 | 0.001 | 0.0029 | 0.519 | 1.56 | 90.2 | <10 | 140.5 | 0.42 | 0.837 | 0.19 | 1.165 | 24.2 |
| SZ022 | 0.32 | 0.516 | <0.005 | <0.001 | 0.268 | 2.10 | 1.02 | 171.5 | <10 | 96.0 | 0.31 | 2.01 | 0.34 | 1.780 | 25.9 |
| SZ023 | 0.34 | 0.044 | <0.005 | 0.001 | 0.0018 | 8.11 | 1.16 | 110.5 | <10 | 136.0 | 0.33 | 0.706 | 0.37 | 2.08 | 22.3 |
| SZ024 | 0.20 | 0.351 | <0.005 | 0.001 | 0.0011 | 1.150 | 1.07 | 63.7 | <10 | 82.4 | 0.23 | 0.461 | 0.33 | 0.962 | 18.15 |
| SZ025 | 0.34 | 0.040 | <0.005 | 0.001 | 0.0015 | 0.221 | 1.38 | 41.2 | <10 | 73.9 | 0.24 | 0.139 | 0.38 | 0.658 | 16.05 |
| SZ026 | 0.34 | 0.005 | <0.005 | <0.001 | 0.0005 | 0.325 | 1.34 | 47.5 | <10 | 74.8 | 0.26 | 0.216 | 0.37 | 0.859 | 16.90 |
| SZ027 | 0.22 | 0.690 | <0.005 | <0.001 | 0.0007 | 0.196 | 1.35 | 36.8 | <10 | 81.6 | 0.25 | 0.098 | 0.47 | 0.762 | 22.7 |
| SZ028 | 0.32 | 0.015 | <0.005 | <0.001 | 0.0011 | 0.560 | 1.00 | 24.3 | <10 | 82.4 | 0.29 | 0.147 | 0.47 | 0.765 | 31.5 |
| SZ029 | 0.26 | 0.133 | <0.005 | <0.001 | 0.0009 | 0.318 | 1.29 | 116.5 | <10 | 113.0 | 0.41 | 0.135 | 0.41 | 1.405 | 34.8 |
| SZ030 | 0.24 | 0.237 | <0.005 | <0.001 | 0.0014 | 1.095 | 1.59 | 179.0 | <10 | 60.4 | 0.30 | 0.123 | 0.31 | 1.675 | 11.20 |
| SZ031 | 0.18 | 0.016 | <0.005 | <0.001 | 0.0031 | 0.232 | 2.25 | 364 | <10 | 110.5 | 0.52 | 0.400 | 0.35 | 2.49 | 27.8 |
| SZ032 | 0.30 | <0.001 | <0.005 | <0.001 | 0.0033 | 0.180 | 2.24 | 43.2 | <10 | 418 | 0.42 | 1.090 | 0.74 | 0.346 | 27.5 |
| SZ033 | 0.34 | <0.001 | <0.005 | <0.001 | 0.0006 | 0.192 | 2.43 | 20.5 | <10 | 344 | 0.44 | 0.175 | 0.86 | 0.328 | 25.1 |
| SZ034 | 0.40 | <0.001 | <0.005 | <0.001 | 0.0006 | 0.183 | 2.60 | 17.50 | <10 | 260 | 0.43 | 0.099 | 1.19 | 0.245 | 20.8 |
| SZ035 | 0.32 | <0.001 | <0.005 | <0.001 | 0.0004 | 0.057 | 0.58 | 10.70 | <10 | 31.7 | 0.07 | 0.055 | 0.48 | 0.080 | 33.6 |
| SZ036 | 0.38 | 0.003 | <0.005 | <0.001 | 0.0015 | 0.460 | 2.16 | 248 | <10 | 346 | 0.51 | 3.01 | 0.76 | 0.474 | 26.0 |
| SZ037 | 0.28 | <0.001 | <0.005 | <0.001 | 0.0011 | 0.067 | 2.47 | 21.1 | <10 | 465 | 0.45 | 0.150 | 0.77 | 0.205 | 22.9 |
| SZ038 | 0.36 | <0.001 | <0.005 | <0.001 | 0.0004 | 0.057 | 2.86 | 21.0 | <10 | 582 | 0.41 | 0.120 | 1.00 | 0.165 | 26.4 |
| SZ039 | 0.38 | <0.001 | <0.005 | 0.001 | 0.0005 | 0.435 | 1.60 | 36.3 | <10 | 232 | 0.49 | 0.159 | 0.73 | 0.461 | 21.6 |
| SZ040 | 0.32 | 0.147 | <0.005 | <0.001 | 0.0010 | 0.263 | 2.40 | 36.1 | <10 | 395 | 0.40 | 4.10 | 0.87 | 0.436 | 24.3 |

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

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

ALS Minerals

To: **ELECTRUM RES. CORP**
**912-510 W. HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-OCT-2016**
**Account: ELEREC**

Project: Bear Lake-Motase

## CERTIFICATE OF ANALYSIS VA16153916

| 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 | Co | Cr | Cs | Cu | Fe | Ga | Ge | Hf | Hg | In | K | La | Li | Mg | Mn |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm |
| | LOR | 0.001 | 0.01 | 0.005 | 0.01 | 0.001 | 0.004 | 0.005 | 0.002 | 0.004 | 0.005 | 0.01 | 0.002 | 0.1 | 0.01 | 0.1 |
| SZ001 | | 9.70 | 25.5 | 1.630 | 7.40 | 3.19 | 4.70 | 0.059 | 0.106 | 0.013 | 0.020 | 0.03 | 7.53 | 21.3 | 0.86 | 851 |
| SZ002 | | 22.3 | 83.2 | 9.91 | 33.2 | 4.71 | 12.55 | 0.098 | 0.056 | 0.034 | 0.057 | 0.13 | 20.2 | 48.4 | 2.34 | 2450 |
| SZ003 | | 19.05 | 8.37 | 1.895 | 20.5 | 5.05 | 4.00 | 0.067 | 0.023 | 0.034 | 0.032 | 0.15 | 7.13 | 17.4 | 0.95 | 2020 |
| SZ004 | | 21.8 | 48.0 | 5.51 | 134.0 | 5.01 | 6.87 | 0.077 | 0.022 | 0.030 | 0.036 | 0.12 | 11.15 | 31.4 | 1.42 | 2210 |
| SZ005 | | 34.8 | 113.0 | 8.56 | 146.0 | 4.22 | 13.70 | 0.100 | 0.053 | 0.075 | 0.038 | 0.05 | 9.75 | 79.2 | 4.80 | 4400 |
| SZ006 | | 25.3 | 73.4 | 4.47 | 30.6 | 5.02 | 8.56 | 0.118 | 0.081 | 0.027 | 0.028 | 0.03 | 6.79 | 38.7 | 2.59 | 3280 |
| SZ007 | | 14.90 | 36.2 | 3.00 | 40.5 | 4.78 | 3.54 | 0.069 | 0.033 | 0.047 | 0.045 | 0.06 | 9.23 | 17.3 | 0.68 | 1435 |
| SZ008 | | 9.99 | 23.8 | 1.765 | 24.9 | 4.86 | 4.47 | 0.069 | 0.085 | 0.040 | 0.033 | 0.04 | 8.07 | 16.1 | 0.68 | 634 |
| SZ009 | | 10.90 | 25.2 | 2.03 | 29.7 | 5.37 | 4.62 | 0.081 | 0.089 | 0.028 | 0.027 | 0.05 | 9.85 | 16.8 | 0.67 | 685 |
| SZ010 | | 12.25 | 22.1 | 1.860 | 30.6 | 4.35 | 4.81 | 0.074 | 0.076 | 0.037 | 0.034 | 0.06 | 7.29 | 20.2 | 0.74 | 965 |
| SZ011 | | 9.74 | 66.6 | 0.189 | 5.28 | 12.85 | 7.82 | 0.229 | 0.062 | <0.004 | 0.006 | 0.02 | 52.5 | 2.6 | 0.06 | 302 |
| SZ012 | | 3.42 | 10.90 | 1.230 | 3.97 | 1.850 | 3.16 | 0.052 | 0.006 | 0.009 | 0.011 | 0.07 | 17.85 | 7.5 | 0.20 | 172.5 |
| SZ013 | | 7.43 | 46.9 | 0.289 | 4.34 | 8.77 | 5.78 | 0.129 | 0.044 | <0.004 | 0.009 | 0.04 | 34.8 | 3.7 | 0.11 | 245 |
| SZ014 | | 7.21 | 31.2 | 0.581 | 4.49 | 5.57 | 5.57 | 0.100 | 0.075 | 0.004 | 0.007 | 0.10 | 20.1 | 8.8 | 0.31 | 288 |
| SZ015 | | 16.40 | 108.0 | 0.139 | 7.26 | 20.9 | 11.75 | 0.327 | 0.073 | <0.004 | 0.005 | 0.02 | 40.7 | 2.0 | 0.04 | 426 |
| SZ016 | | 15.25 | 54.8 | 2.42 | 54.1 | 10.35 | 9.79 | 0.119 | 0.014 | 0.009 | 0.029 | 0.27 | 14.95 | 13.7 | 0.51 | 377 |
| SZ017 | | 17.75 | 39.7 | 4.19 | 94.0 | 4.55 | 7.39 | 0.076 | 0.024 | 0.029 | 0.032 | 0.21 | 12.30 | 16.9 | 0.66 | 610 |
| SZ018 | | 7.10 | 29.6 | 0.749 | 3.24 | 5.40 | 5.87 | 0.091 | 0.021 | 0.008 | 0.008 | 0.14 | 21.6 | 10.8 | 0.32 | 378 |
| SZ019 | | 11.45 | 70.2 | 0.503 | 5.28 | 13.05 | 8.57 | 0.151 | 0.026 | <0.004 | 0.009 | 0.10 | 31.8 | 6.7 | 0.19 | 397 |
| SZ020 | | 18.50 | 16.75 | 4.78 | 70.2 | 4.46 | 4.32 | 0.065 | 0.035 | 0.038 | 0.037 | 0.05 | 13.00 | 13.0 | 0.42 | 1255 |
| SZ021 | | 15.30 | 17.50 | 3.27 | 51.8 | 4.15 | 4.08 | 0.063 | 0.021 | 0.037 | 0.023 | 0.04 | 12.30 | 13.1 | 0.58 | 1025 |
| SZ022 | | 13.60 | 17.95 | 1.545 | 83.4 | 4.08 | 3.41 | 0.075 | 0.019 | 0.030 | 0.025 | 0.08 | 12.80 | 8.1 | 0.44 | 614 |
| SZ023 | | 14.95 | 17.90 | 1.385 | 65.4 | 4.77 | 3.44 | 0.070 | 0.028 | 0.037 | 0.026 | 0.08 | 11.75 | 10.3 | 0.50 | 806 |
| SZ024 | | 13.05 | 18.25 | 1.650 | 49.1 | 3.96 | 3.23 | 0.066 | 0.017 | 0.028 | 0.026 | 0.06 | 9.19 | 10.0 | 0.47 | 553 |
| SZ025 | | 15.00 | 24.5 | 1.670 | 37.2 | 5.52 | 4.75 | 0.089 | 0.027 | 0.017 | 0.019 | 0.10 | 8.64 | 13.5 | 0.49 | 618 |
| SZ026 | | 13.25 | 19.65 | 1.560 | 41.5 | 4.41 | 4.16 | 0.079 | 0.029 | 0.014 | 0.022 | 0.08 | 8.72 | 13.2 | 0.51 | 667 |
| SZ027 | | 10.60 | 22.1 | 1.120 | 32.7 | 4.89 | 4.80 | 0.087 | 0.035 | 0.027 | 0.020 | 0.12 | 12.40 | 12.3 | 0.48 | 458 |
| SZ028 | | 9.25 | 21.7 | 1.045 | 24.3 | 3.21 | 3.65 | 0.081 | 0.039 | 0.018 | 0.012 | 0.12 | 17.60 | 9.0 | 0.37 | 477 |
| SZ029 | | 9.62 | 23.7 | 1.240 | 18.15 | 5.60 | 3.98 | 0.091 | 0.021 | 0.036 | 0.013 | 0.09 | 19.35 | 10.5 | 0.47 | 1025 |
| SZ030 | | 16.55 | 13.75 | 1.240 | 51.0 | 5.46 | 4.21 | 0.092 | 0.046 | 0.037 | 0.025 | 0.08 | 5.42 | 20.8 | 0.73 | 1000 |
| SZ031 | | 28.7 | 22.3 | 3.62 | 66.7 | 5.12 | 5.89 | 0.080 | 0.037 | 0.042 | 0.029 | 0.03 | 13.30 | 21.7 | 0.56 | 1675 |
| SZ032 | | 17.15 | 19.20 | 1.725 | 51.9 | 5.75 | 6.63 | 0.102 | 0.123 | 0.066 | 0.040 | 0.07 | 13.75 | 14.0 | 0.76 | 1005 |
| SZ033 | | 18.20 | 20.5 | 1.680 | 50.8 | 6.22 | 7.31 | 0.111 | 0.187 | 0.077 | 0.048 | 0.07 | 11.80 | 13.5 | 0.86 | 1100 |
| SZ034 | | 17.15 | 16.25 | 1.985 | 52.9 | 5.43 | 7.33 | 0.108 | 0.245 | 0.072 | 0.042 | 0.06 | 9.48 | 13.0 | 0.88 | 864 |
| SZ035 | | 5.97 | 16.95 | 0.514 | 13.75 | 4.37 | 3.39 | 0.091 | 0.022 | 0.015 | 0.009 | 0.06 | 23.4 | 7.3 | 0.25 | 237 |
| SZ036 | | 21.5 | 15.80 | 2.19 | 73.6 | 5.91 | 6.13 | 0.100 | 0.081 | 0.098 | 0.085 | 0.06 | 11.65 | 13.3 | 0.65 | 1055 |
| SZ037 | | 20.2 | 18.00 | 1.680 | 50.5 | 5.77 | 7.17 | 0.108 | 0.103 | 0.059 | 0.043 | 0.05 | 10.65 | 14.1 | 0.78 | 968 |
| SZ038 | | 21.5 | 17.65 | 2.00 | 56.1 | 5.84 | 7.54 | 0.104 | 0.145 | 0.089 | 0.053 | 0.06 | 13.10 | 13.4 | 0.81 | 970 |
| SZ039 | | 19.45 | 17.35 | 1.235 | 68.1 | 6.02 | 4.73 | 0.096 | 0.040 | 0.436 | 0.069 | 0.05 | 9.62 | 14.9 | 0.68 | 945 |
| SZ040 | | 19.25 | 19.55 | 1.735 | 54.1 | 5.90 | 7.08 | 0.118 | 0.194 | 0.076 | 0.047 | 0.07 | 11.90 | 12.2 | 0.82 | 1230 |

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

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To: ELECTRUM RES. CORP
912-510 W. HASTINGS STREET
VANCOUVER BC V6B 1L8


Finalized Date: 4-OCT-2016
Account: ELEREC

Project: Bear Lake-Motase

# CERTIFICATE OF ANALYSIS VA16153916

| Sample Description | Method / Analyte / Units / LOR | ME-MS41L Mo ppm 0.01 | ME-MS41L Na % 0.001 | ME-MS41L Nb ppm 0.002 | ME-MS41L Ni ppm 0.04 | ME-MS41L P % 0.001 | ME-MS41L Pb ppm 0.005 | ME-MS41L Pd ppm 0.001 | ME-MS41L Pt ppm 0.002 | ME-MS41L Rb ppm 0.005 | ME-MS41L Re ppm 0.001 | ME-MS41L S % 0.01 | ME-MS41L Sb ppm 0.005 | ME-MS41L Sc ppm 0.005 | ME-MS41L Se ppm 0.1 | ME-MS41L Sn ppm 0.01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SZ001 | | 0.48 | 0.008 | 0.537 | 15.20 | 0.045 | 12.30 | <0.001 | <0.002 | 2.99 | 0.001 | 0.01 | 0.306 | 5.08 | 0.2 | 0.35 |
| SZ002 | | 0.38 | 0.008 | 0.914 | 24.3 | 0.091 | 21.9 | 0.004 | <0.002 | 16.60 | <0.001 | 0.03 | 0.248 | 11.95 | 0.5 | 0.68 |
| SZ003 | | 0.40 | 0.005 | 0.242 | 8.54 | 0.045 | 17.25 | <0.001 | <0.002 | 11.50 | <0.001 | <0.01 | 0.356 | 6.93 | 0.1 | 0.30 |
| SZ004 | | 0.60 | 0.012 | 0.604 | 25.0 | 0.072 | 58.9 | <0.001 | <0.002 | 13.70 | 0.001 | 0.02 | 0.289 | 11.85 | 0.5 | 0.39 |
| SZ005 | | 0.76 | 0.014 | 0.702 | 54.3 | 0.097 | 31.3 | 0.014 | 0.003 | 4.54 | 0.001 | 0.03 | 0.318 | 17.70 | 0.7 | 0.36 |
| SZ006 | | 0.43 | 0.008 | 0.617 | 39.3 | 0.045 | 16.60 | 0.001 | <0.002 | 3.26 | <0.001 | 0.01 | 0.248 | 12.75 | 0.4 | 0.45 |
| SZ007 | | 1.37 | 0.013 | 0.597 | 20.8 | 0.062 | 102.5 | <0.001 | 0.002 | 6.10 | <0.001 | 0.01 | 0.776 | 7.01 | 0.3 | 0.52 |
| SZ008 | | 2.83 | 0.007 | 0.360 | 16.05 | 0.079 | 23.5 | <0.001 | <0.002 | 3.60 | 0.002 | 0.01 | 0.669 | 5.41 | 0.3 | 0.34 |
| SZ009 | | 2.49 | 0.009 | 0.338 | 15.90 | 0.084 | 17.40 | <0.001 | <0.002 | 3.76 | 0.001 | 0.02 | 0.708 | 6.13 | 0.2 | 0.39 |
| SZ010 | | 2.80 | 0.010 | 0.289 | 17.65 | 0.079 | 15.00 | <0.001 | <0.002 | 4.27 | 0.003 | 0.02 | 0.648 | 6.57 | 0.5 | 0.36 |
| SZ011 | | 0.54 | 0.008 | 0.900 | 9.53 | 0.427 | 3.19 | <0.001 | <0.002 | 2.06 | <0.001 | 0.02 | 0.073 | 0.579 | 0.2 | 0.12 |
| SZ012 | | 6.52 | 0.011 | 0.739 | 6.15 | 0.170 | 3.59 | <0.001 | <0.002 | 7.66 | 0.001 | 0.01 | 0.066 | 1.360 | 0.3 | 0.13 |
| SZ013 | | 0.54 | 0.008 | 0.492 | 7.24 | 0.284 | 1.950 | 0.001 | <0.002 | 4.07 | <0.001 | <0.01 | 0.024 | 0.668 | 0.1 | 0.11 |
| SZ014 | | 0.74 | 0.014 | 0.515 | 7.30 | 0.180 | 2.29 | <0.001 | <0.002 | 9.28 | <0.001 | 0.02 | 0.038 | 1.285 | 0.2 | 0.17 |
| SZ015 | | 0.31 | 0.004 | 0.917 | 14.20 | 0.278 | 5.17 | <0.001 | <0.002 | 1.405 | <0.001 | <0.01 | 0.037 | 0.453 | 0.1 | 0.11 |
| SZ016 | | 9.43 | 0.015 | 0.487 | 30.4 | 0.159 | 8.62 | 0.001 | <0.002 | 19.30 | <0.001 | 0.02 | 0.278 | 6.41 | 0.7 | 0.40 |
| SZ017 | | 8.07 | 0.009 | 0.674 | 53.0 | 0.074 | 90.0 | <0.001 | <0.002 | 19.85 | <0.001 | 0.01 | 1.120 | 7.70 | 0.5 | 0.38 |
| SZ018 | | 0.35 | 0.018 | 0.548 | 7.03 | 0.189 | 2.12 | 0.001 | <0.002 | 13.10 | <0.001 | 0.01 | 0.026 | 1.320 | 0.1 | 0.16 |
| SZ019 | | 0.19 | 0.011 | 0.463 | 10.75 | 0.268 | 3.61 | <0.001 | <0.002 | 9.17 | <0.001 | 0.02 | 0.045 | 1.005 | <0.1 | 0.15 |
| SZ020 | | 7.16 | 0.007 | 0.250 | 29.3 | 0.072 | 36.6 | 0.002 | <0.002 | 6.67 | 0.002 | 0.02 | 1.070 | 2.98 | 0.9 | 0.10 |
| SZ021 | | 3.82 | 0.006 | 0.178 | 29.1 | 0.075 | 27.1 | 0.001 | <0.002 | 3.85 | <0.001 | 0.02 | 0.954 | 3.26 | 0.5 | 0.09 |
| SZ022 | | 9.98 | 0.006 | 0.279 | 28.3 | 0.128 | 61.5 | <0.001 | <0.002 | 6.53 | 0.001 | 0.19 | 3.06 | 2.88 | 0.9 | 0.11 |
| SZ023 | | 8.08 | 0.007 | 0.208 | 33.6 | 0.136 | 106.5 | 0.001 | <0.002 | 5.08 | 0.002 | 0.24 | 5.17 | 3.50 | 1.3 | 0.12 |
| SZ024 | | 6.92 | 0.008 | 0.225 | 32.4 | 0.112 | 42.8 | <0.001 | <0.002 | 4.52 | 0.001 | 0.06 | 3.49 | 3.31 | 0.7 | 0.11 |
| SZ025 | | 2.56 | 0.016 | 0.210 | 34.9 | 0.106 | 11.25 | 0.002 | <0.002 | 5.86 | 0.001 | 0.07 | 1.260 | 3.88 | 0.9 | 0.15 |
| SZ026 | | 3.17 | 0.014 | 0.189 | 34.6 | 0.109 | 18.45 | 0.001 | <0.002 | 4.95 | 0.001 | 0.04 | 1.475 | 4.06 | 0.8 | 0.12 |
| SZ027 | | 2.29 | 0.024 | 0.290 | 25.0 | 0.131 | 9.82 | <0.001 | <0.002 | 6.92 | <0.001 | 0.03 | 0.929 | 3.79 | 0.7 | 0.15 |
| SZ028 | | 1.36 | 0.013 | 0.329 | 28.4 | 0.145 | 18.15 | <0.001 | <0.002 | 8.80 | <0.001 | 0.02 | 1.080 | 1.985 | 0.4 | 0.12 |
| SZ029 | | 4.62 | 0.014 | 0.718 | 32.2 | 0.138 | 17.00 | <0.001 | <0.002 | 7.88 | 0.001 | 0.01 | 0.634 | 2.22 | 0.4 | 0.14 |
| SZ030 | | 5.66 | 0.017 | 0.249 | 37.5 | 0.088 | 20.4 | <0.001 | <0.002 | 4.67 | 0.003 | 0.23 | 2.68 | 3.89 | 2.0 | 0.17 |
| SZ031 | | 13.45 | 0.007 | 0.273 | 40.4 | 0.113 | 22.6 | <0.001 | <0.002 | 3.68 | 0.001 | 0.02 | 1.385 | 2.83 | 1.4 | 0.13 |
| SZ032 | | 1.52 | 0.011 | 0.133 | 19.45 | 0.093 | 20.5 | 0.001 | <0.002 | 5.18 | 0.001 | 0.10 | 0.744 | 7.84 | 0.5 | 0.31 |
| SZ033 | | 1.10 | 0.011 | 0.120 | 19.95 | 0.108 | 39.2 | <0.001 | <0.002 | 3.89 | 0.001 | 0.13 | 0.759 | 9.41 | 0.5 | 0.36 |
| SZ034 | | 1.04 | 0.009 | 0.130 | 17.10 | 0.088 | 12.30 | <0.001 | <0.002 | 3.25 | 0.001 | 0.10 | 0.653 | 10.60 | 0.5 | 0.42 |
| SZ035 | | 0.77 | 0.013 | 0.273 | 6.73 | 0.173 | 1.900 | <0.001 | <0.002 | 3.98 | <0.001 | 0.02 | 0.425 | 1.810 | 0.3 | 0.09 |
| SZ036 | | 1.74 | 0.015 | 0.113 | 19.05 | 0.091 | 44.1 | 0.001 | <0.002 | 2.91 | 0.001 | 0.07 | 1.780 | 8.59 | 0.5 | 0.38 |
| SZ037 | | 1.35 | 0.015 | 0.107 | 17.90 | 0.093 | 14.10 | 0.001 | <0.002 | 2.67 | 0.001 | 0.05 | 0.841 | 9.02 | 0.6 | 0.44 |
| SZ038 | | 1.39 | 0.029 | 0.132 | 18.55 | 0.084 | 9.93 | <0.001 | <0.002 | 2.70 | 0.002 | 0.07 | 0.613 | 9.59 | 0.3 | 0.47 |
| SZ039 | | 1.51 | 0.008 | 0.053 | 25.1 | 0.119 | 51.3 | 0.001 | <0.002 | 2.46 | 0.002 | 0.28 | 0.792 | 11.15 | 0.8 | 0.50 |
| SZ040 | | 1.39 | 0.010 | 0.123 | 20.8 | 0.105 | 25.8 | <0.001 | 0.002 | 4.00 | 0.001 | 0.15 | 0.848 | 8.96 | 0.4 | 0.39 |

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

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**To: ELECTRUM RES. CORP**
**912-510 W. HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-OCT-2016**
**Account: ELEREC**

Project: Bear Lake-Motase

## CERTIFICATE OF ANALYSIS VA16153916

| Sample Description | Method / Analyte / Units / LOR | ME-MS41L Sr ppm 0.01 | ME-MS41L Ta ppm 0.005 | ME-MS41L Te ppm 0.01 | ME-MS41L Th ppm 0.002 | ME-MS41L Ti % 0.001 | ME-MS41L Tl ppm 0.002 | ME-MS41L U ppm 0.005 | ME-MS41L V ppm 0.1 | ME-MS41L W ppm 0.001 | ME-MS41L Y ppm 0.003 | ME-MS41L Zn ppm 0.1 | ME-MS41L Zr ppm 0.01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SZ001 | | 10.95 | <0.005 | <0.01 | 0.939 | 0.134 | 0.028 | 0.919 | 115.5 | 1.915 | 5.34 | 186.0 | 4.58 |
| SZ002 | | 26.3 | <0.005 | 0.03 | 0.433 | 0.062 | 0.088 | 12.05 | 172.5 | 0.136 | 24.9 | 331 | 1.55 |
| SZ003 | | 8.13 | <0.005 | 0.02 | 1.315 | 0.068 | 0.071 | 0.718 | 87.5 | 0.076 | 5.69 | 261 | 1.02 |
| SZ004 | | 22.2 | <0.005 | 0.01 | 0.997 | 0.066 | 0.101 | 1.045 | 139.5 | 0.142 | 9.89 | 368 | 0.98 |
| SZ005 | | 27.7 | <0.005 | 0.03 | 0.483 | 0.141 | 0.036 | 1.930 | 164.5 | 0.376 | 14.95 | 460 | 2.05 |
| SZ006 | | 15.95 | <0.005 | <0.01 | 0.741 | 0.208 | 0.037 | 0.698 | 160.0 | 0.184 | 8.43 | 327 | 4.21 |
| SZ007 | | 16.90 | <0.005 | 0.03 | 1.045 | 0.084 | 0.053 | 1.465 | 116.5 | 0.314 | 7.97 | 186.0 | 1.25 |
| SZ008 | | 23.7 | <0.005 | 0.05 | 1.295 | 0.075 | 0.071 | 0.825 | 107.5 | 3.99 | 7.27 | 132.5 | 3.07 |
| SZ009 | | 24.8 | <0.005 | 0.10 | 1.505 | 0.082 | 0.080 | 1.030 | 126.0 | 1.455 | 8.08 | 150.0 | 2.90 |
| SZ010 | | 30.3 | <0.005 | 0.09 | 1.060 | 0.056 | 0.080 | 0.780 | 87.1 | 0.181 | 8.03 | 160.0 | 2.45 |
| SZ011 | | 32.0 | <0.005 | 0.01 | 158.0 | 0.036 | 0.018 | 22.3 | 321 | 1.195 | 7.37 | 23.5 | 1.36 |
| SZ012 | | 80.7 | <0.005 | <0.01 | 3.08 | 0.039 | 0.073 | 2.06 | 45.9 | 0.667 | 3.33 | 34.5 | 0.24 |
| SZ013 | | 63.1 | <0.005 | 0.01 | 88.2 | 0.034 | 0.024 | 13.40 | 220 | 0.084 | 4.99 | 22.2 | 1.15 |
| SZ014 | | 92.3 | 0.005 | 0.03 | 36.3 | 0.070 | 0.057 | 6.37 | 146.5 | 0.170 | 4.13 | 29.0 | 1.63 |
| SZ015 | | 22.5 | <0.005 | 0.03 | 260 | 0.041 | 0.013 | 41.3 | 511 | 0.104 | 5.43 | 32.7 | 1.38 |
| SZ016 | | 77.0 | <0.005 | 0.11 | 60.0 | 0.078 | 0.180 | 9.23 | 262 | 7.23 | 5.02 | 119.5 | 0.62 |
| SZ017 | | 54.4 | <0.005 | 0.17 | 3.07 | 0.048 | 0.218 | 1.765 | 76.7 | 17.40 | 5.70 | 477 | 1.04 |
| SZ018 | | 126.0 | <0.005 | 0.02 | 44.3 | 0.065 | 0.113 | 10.75 | 140.0 | 0.165 | 3.79 | 32.4 | 0.61 |
| SZ019 | | 85.0 | <0.005 | 0.01 | 114.0 | 0.052 | 0.066 | 19.35 | 322 | 0.124 | 5.00 | 32.3 | 0.86 |
| SZ020 | | 20.3 | <0.005 | 0.50 | 2.18 | 0.006 | 0.103 | 5.10 | 32.5 | 27.4 | 5.76 | 239 | 1.17 |
| SZ021 | | 16.70 | <0.005 | 0.20 | 1.860 | 0.008 | 0.056 | 3.65 | 31.6 | 4.23 | 5.90 | 173.5 | 0.97 |
| SZ022 | | 25.2 | <0.005 | 0.57 | 3.18 | 0.021 | 0.122 | 2.30 | 48.0 | 73.6 | 5.98 | 199.5 | 1.11 |
| SZ023 | | 26.3 | <0.005 | 0.19 | 2.58 | 0.017 | 0.114 | 2.34 | 44.5 | 11.25 | 6.55 | 233 | 1.16 |
| SZ024 | | 30.7 | <0.005 | 0.14 | 1.860 | 0.014 | 0.072 | 1.475 | 39.0 | 12.15 | 5.23 | 146.5 | 0.69 |
| SZ025 | | 32.8 | <0.005 | 0.05 | 12.25 | 0.027 | 0.101 | 2.74 | 84.3 | 4.89 | 5.39 | 115.5 | 1.10 |
| SZ026 | | 32.0 | <0.005 | 0.07 | 3.19 | 0.021 | 0.088 | 1.550 | 46.7 | 1.915 | 5.42 | 128.0 | 1.04 |
| SZ027 | | 41.2 | <0.005 | 0.03 | 14.75 | 0.041 | 0.105 | 2.98 | 90.5 | 6.24 | 5.85 | 117.5 | 1.18 |
| SZ028 | | 54.2 | <0.005 | 0.03 | 9.94 | 0.034 | 0.118 | 3.32 | 61.9 | 3.30 | 5.32 | 89.8 | 1.63 |
| SZ029 | | 77.3 | <0.005 | 0.01 | 4.97 | 0.036 | 0.102 | 1.880 | 46.5 | 1.290 | 5.64 | 134.0 | 1.18 |
| SZ030 | | 23.6 | <0.005 | 0.10 | 0.884 | 0.056 | 0.151 | 0.491 | 37.2 | 0.224 | 9.71 | 238 | 1.62 |
| SZ031 | | 32.8 | <0.005 | 0.15 | 2.22 | 0.006 | 0.055 | 5.88 | 35.8 | 1.840 | 10.25 | 236 | 1.25 |
| SZ032 | | 71.6 | <0.005 | 0.07 | 2.25 | 0.045 | 0.088 | 0.971 | 87.5 | 0.150 | 9.08 | 125.5 | 3.76 |
| SZ033 | | 82.4 | <0.005 | 0.07 | 1.840 | 0.054 | 0.088 | 0.685 | 99.8 | 0.093 | 9.82 | 107.0 | 5.34 |
| SZ034 | | 101.5 | <0.005 | 0.09 | 1.130 | 0.052 | 0.067 | 0.357 | 78.1 | 0.082 | 10.20 | 120.5 | 5.88 |
| SZ035 | | 20.2 | <0.005 | 0.02 | 8.94 | 0.026 | 0.061 | 2.27 | 86.0 | 0.372 | 4.33 | 41.6 | 0.61 |
| SZ036 | | 83.8 | <0.005 | 0.09 | 1.130 | 0.031 | 0.102 | 0.309 | 75.8 | 0.095 | 10.40 | 173.5 | 2.75 |
| SZ037 | | 80.5 | <0.005 | 0.09 | 0.857 | 0.038 | 0.055 | 0.262 | 81.5 | 0.095 | 9.90 | 114.5 | 2.90 |
| SZ038 | | 116.5 | <0.005 | 0.09 | 1.070 | 0.042 | 0.065 | 0.265 | 81.2 | 0.080 | 10.75 | 108.5 | 3.77 |
| SZ039 | | 64.1 | <0.005 | 0.13 | 1.280 | 0.004 | 0.085 | 0.230 | 68.2 | 0.052 | 12.40 | 158.0 | 1.15 |
| SZ040 | | 93.3 | <0.005 | 0.11 | 1.850 | 0.046 | 0.083 | 0.711 | 89.5 | 0.112 | 10.00 | 132.5 | 4.93 |

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

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To: **ELECTRUM RES. CORP**
**912-510 W. HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-OCT-2016**
**Account: ELEREC**

Project: Bear Lake-Motase

## CERTIFICATE OF ANALYSIS VA16153916

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | PGM-ICP23 Au ppm 0.001 | PGM-ICP23 Pt ppm 0.005 | PGM-ICP23 Pd ppm 0.001 | ME-MS41L Au ppm 0.0002 | ME-MS41L Ag ppm 0.001 | ME-MS41L Al % 0.01 | ME-MS41L As ppm 0.01 | ME-MS41L B ppm 10 | ME-MS41L Ba ppm 0.5 | ME-MS41L Be ppm 0.01 | ME-MS41L Bi ppm 0.001 | ME-MS41L Ca % 0.01 | ME-MS41L Cd ppm 0.001 | ME-MS41L Ce ppm 0.003 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SZ041 | | 0.30 | 0.002 | <0.005 | <0.001 | 0.0003 | 0.367 | 1.94 | 74.3 | <10 | 29.1 | 0.27 | 0.193 | 0.24 | 0.650 | 15.60 |
| SZ042 | | 0.36 | 0.001 | <0.005 | <0.001 | 0.0006 | 0.286 | 1.91 | 58.7 | <10 | 32.8 | 0.26 | 0.178 | 0.25 | 0.474 | 14.40 |
| SZ043 | | 0.38 | <0.001 | <0.005 | <0.001 | 0.0008 | 0.224 | 1.72 | 40.5 | <10 | 119.0 | 0.21 | 0.110 | 0.55 | 0.202 | 15.50 |
| SZ044 | | 0.40 | <0.001 | <0.005 | <0.001 | 0.0007 | 0.189 | 1.42 | 18.15 | <10 | 70.3 | 0.20 | 0.095 | 0.58 | 0.143 | 27.9 |

**ALS Minerals**

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To: **ELECTRUM RES. CORP**
**912-510 W. HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Total # Pages: 3 (A - D)**
**Plus Appendix Pages**
**Finalized Date: 4-OCT-2016**
**Account: ELEREC**

Project: Bear Lake-Motase

## CERTIFICATE OF ANALYSIS VA16153916

| Sample Description | Method / Analyte / Units / LOR | ME-MS41L Co ppm 0.001 | ME-MS41L Cr ppm 0.01 | ME-MS41L Cs ppm 0.005 | ME-MS41L Cu ppm 0.01 | ME-MS41L Fe % 0.001 | ME-MS41L Ga ppm 0.004 | ME-MS41L Ge ppm 0.005 | ME-MS41L Hf ppm 0.002 | ME-MS41L Hg ppm 0.004 | ME-MS41L In ppm 0.005 | ME-MS41L K % 0.01 | ME-MS41L La ppm 0.002 | ME-MS41L Li ppm 0.1 | ME-MS41L Mg % 0.01 | ME-MS41L Mn ppm 0.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SZ041 | | 30.3 | 13.85 | 3.91 | 95.5 | 8.41 | 4.51 | 0.111 | 0.015 | 0.040 | 0.037 | 0.02 | 7.89 | 19.0 | 0.69 | 1160 |
| SZ042 | | 23.3 | 13.70 | 3.92 | 73.3 | 7.53 | 4.71 | 0.112 | 0.013 | 0.025 | 0.033 | 0.02 | 7.31 | 19.9 | 0.71 | 1010 |
| SZ043 | | 15.20 | 23.8 | 1.725 | 62.5 | 9.49 | 6.13 | 0.170 | 0.018 | 0.024 | 0.037 | 0.30 | 9.81 | 18.4 | 0.54 | 415 |
| SZ044 | | 13.95 | 29.3 | 1.550 | 54.3 | 10.10 | 6.12 | 0.182 | 0.024 | 0.025 | 0.023 | 0.16 | 20.8 | 16.2 | 0.46 | 380 |

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VANCOUVER BC V6B 1L8


Finalized Date: 4-OCT-2016
Account: ELEREC

Project: Bear Lake-Motase

**CERTIFICATE OF ANALYSIS VA16153916**

| 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 | Mo | Na | Nb | Ni | P | Pb | Pd | Pt | Rb | Re | S | Sb | Sc | Se | Sn |
| | Units | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 0.001 | 0.002 | 0.04 | 0.001 | 0.005 | 0.001 | 0.002 | 0.005 | 0.001 | 0.01 | 0.005 | 0.005 | 0.1 | 0.01 |
| SZ041 | | 2.21 | 0.009 | 0.062 | 46.4 | 0.125 | 10.25 | 0.001 | <0.002 | 1.690 | 0.001 | 0.09 | 2.03 | 4.66 | 2.2 | 0.09 |
| SZ042 | | 1.94 | 0.008 | 0.080 | 34.9 | 0.120 | 8.18 | <0.001 | <0.002 | 2.10 | 0.001 | 0.07 | 1.660 | 4.72 | 2.1 | 0.08 |
| SZ043 | | 2.64 | 0.034 | 0.313 | 14.65 | 0.168 | 3.27 | <0.001 | <0.002 | 12.30 | <0.001 | 0.16 | 0.734 | 7.13 | 1.7 | 0.27 |
| SZ044 | | 2.23 | 0.030 | 0.276 | 13.85 | 0.196 | 3.45 | <0.001 | <0.002 | 8.01 | 0.001 | 0.09 | 0.709 | 5.21 | 1.6 | 0.22 |

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912-510 W. HASTINGS STREET
VANCOUVER BC V6B 1L8


Finalized Date: 4-OCT-2016
Account: ELEREC

Project: Bear Lake-Motase

**CERTIFICATE OF ANALYSIS VA16153916**

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Sr | Ta | Te | Th | Ti | Tl | U | V | W | Y | Zn | Zr |
| | Units | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.01 | 0.005 | 0.01 | 0.002 | 0.001 | 0.002 | 0.005 | 0.1 | 0.001 | 0.003 | 0.1 | 0.01 |
| SZ041 | | 13.75 | <0.005 | 0.16 | 1.315 | 0.004 | 0.046 | 0.309 | 41.6 | 0.272 | 12.55 | 247 | 0.50 |
| SZ042 | | 13.75 | <0.005 | 0.12 | 1.220 | 0.006 | 0.048 | 0.368 | 44.3 | 2.81 | 9.85 | 193.0 | 0.45 |
| SZ043 | | 37.2 | <0.005 | 0.08 | 19.55 | 0.084 | 0.110 | 5.90 | 142.0 | 5.73 | 6.31 | 105.5 | 0.35 |
| SZ044 | | 35.9 | <0.005 | 0.08 | 39.5 | 0.059 | 0.075 | 8.58 | 176.0 | 0.648 | 6.75 | 92.9 | 0.35 |

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-OCT-2016**
**Account: ELEREC**

Project: Bear Lake-Motase

**CERTIFICATE OF ANALYSIS VA16153916**

## CERTIFICATE COMMENTS

### ANALYTICAL COMMENTS

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

Applies to Method: ME-MS41L

### LABORATORY ADDRESSES

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

Applies to Method: LOG-22 ME-MS41L PGM-ICP23 SCR-41 WEI-21

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**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-OCT-2016**
**Account: ELEREC**

Project: Bear Lake-Motase

## QC CERTIFICATE OF ANALYSIS VA16153916

| Method | PGM-ICP23 | PGM-ICP23 | PGM-ICP23 | 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 | Au | Pt | Pd | Au | Ag | Al | As | B | Ba | Be | Bi | Ca | Cd | Ce | Co |
| Units | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| Sample Description / LOR | 0.001 | 0.005 | 0.001 | 0.0002 | 0.001 | 0.01 | 0.01 | 10 | 0.5 | 0.01 | 0.001 | 0.01 | 0.001 | 0.003 | 0.001 |
| **STANDARDS** | | | | | | | | | | | | | | | |
| CDN-PGMS25 | 0.512 | 0.399 | 1.915 | | | | | | | | | | | | |
| Target Range - Lower Bound | 0.453 | 0.371 | 1.720 | | | | | | | | | | | | |
| Upper Bound | 0.513 | 0.429 | 1.940 | | | | | | | | | | | | |
| MRGeo08 | | | | 0.0033 | 4.54 | 2.62 | 31.4 | <10 | 411 | 0.76 | 0.675 | 1.05 | 2.10 | 71.7 | 18.25 |
| Target Range - Lower Bound | | | | 0.0033 | 4.01 | 2.44 | 29.7 | <10 | 381 | 0.72 | 0.612 | 1.00 | 2.02 | 66.2 | 17.10 |
| Upper Bound | | | | 0.0045 | 4.91 | 3.00 | 36.3 | 20 | 517 | 0.90 | 0.750 | 1.24 | 2.47 | 81.0 | 20.9 |
| OREAS 905 | | | | 0.370 | 0.511 | 0.76 | 31.3 | <10 | 221 | 0.92 | 5.60 | 0.32 | 0.342 | 72.7 | 13.40 |
| Target Range - Lower Bound | | | | 0.352 | 0.463 | 0.73 | 28.5 | <10 | 211 | 0.83 | 5.17 | 0.29 | 0.305 | 72.0 | 12.50 |
| Upper Bound | | | | 0.430 | 0.569 | 0.91 | 34.9 | 20 | 287 | 1.03 | 6.32 | 0.38 | 0.375 | 88.0 | 15.30 |
| OREAS 920 | | | | 0.0012 | 0.087 | 2.31 | 4.87 | <10 | 69.5 | 0.67 | 0.543 | 0.30 | 0.048 | 66.0 | 14.30 |
| Target Range - Lower Bound | | | | <0.0002 | 0.088 | 2.18 | 3.93 | <10 | 67.5 | 0.65 | 0.611 | 0.28 | 0.056 | 64.8 | 13.50 |
| Upper Bound | | | | 0.0004 | 0.110 | 2.68 | 4.83 | 20 | 92.5 | 0.81 | 0.749 | 0.37 | 0.070 | 79.2 | 16.50 |
| OREAS-45e | | | | 0.0515 | 0.256 | 3.15 | 11.30 | 10 | 137.5 | 0.44 | 0.224 | 0.04 | 0.023 | 16.15 | 52.4 |
| Target Range - Lower Bound | | | | 0.0448 | 0.224 | 2.98 | 11.25 | <10 | 117.5 | 0.36 | 0.197 | <0.01 | 0.018 | 15.95 | 46.8 |
| Upper Bound | | | | 0.0552 | 0.276 | 3.66 | 13.75 | 20 | 160.5 | 0.46 | 0.243 | 0.05 | 0.024 | 19.45 | 57.2 |
| OREAS-904 | 0.047 | <0.005 | 0.001 | | | | | | | | | | | | |
| Target Range - Lower Bound | 0.041 | <0.005 | <0.001 | | | | | | | | | | | | |
| Upper Bound | 0.049 | 0.011 | 0.003 | | | | | | | | | | | | |
| OxJ111 | 2.17 | <0.005 | <0.001 | | | | | | | | | | | | |
| Target Range - Lower Bound | 2.04 | <0.005 | <0.001 | | | | | | | | | | | | |
| Upper Bound | 2.30 | 0.010 | 0.002 | | | | | | | | | | | | |
| PK2 | 4.88 | 4.69 | 5.98 | | | | | | | | | | | | |
| Target Range - Lower Bound | 4.50 | 4.46 | 5.56 | | | | | | | | | | | | |
| Upper Bound | 5.07 | 5.04 | 6.27 | | | | | | | | | | | | |
| **BLANKS** | | | | | | | | | | | | | | | |
| BLANK | | | | <0.0002 | 0.001 | <0.01 | 0.01 | <10 | <0.5 | <0.01 | 0.001 | <0.01 | <0.001 | <0.003 | <0.001 |
| BLANK | | | | <0.0002 | 0.001 | <0.01 | 0.01 | <10 | <0.5 | <0.01 | <0.001 | <0.01 | <0.001 | <0.003 | 0.001 |
| Target Range - Lower Bound | | | | <0.0002 | <0.001 | <0.01 | <0.01 | <10 | <0.5 | <0.01 | <0.001 | <0.01 | <0.001 | <0.003 | <0.001 |
| Upper Bound | | | | 0.0004 | 0.002 | 0.02 | 0.02 | 20 | 1.0 | 0.02 | 0.002 | 0.02 | 0.002 | 0.006 | 0.002 |
| BLANK | <0.001 | <0.005 | <0.001 | | | | | | | | | | | | |
| Target Range - Lower Bound | <0.001 | <0.005 | <0.001 | | | | | | | | | | | | |
| Upper Bound | 0.002 | 0.010 | 0.002 | | | | | | | | | | | | |

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

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To: **ELECTRUM RES. CORP**
**912-510 W. HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-OCT-2016**
**Account: ELEREC**

Project: Bear Lake-Motase

# QC CERTIFICATE OF ANALYSIS VA16153916

| Sample Description | Method / Analyte / Units / LOR | ME-MS41L Cr ppm 0.01 | ME-MS41L Cs ppm 0.005 | ME-MS41L Cu ppm 0.01 | ME-MS41L Fe % 0.001 | ME-MS41L Ga ppm 0.004 | ME-MS41L Ge ppm 0.005 | ME-MS41L Hf ppm 0.002 | ME-MS41L Hg ppm 0.004 | ME-MS41L In ppm 0.005 | ME-MS41L K % 0.01 | ME-MS41L La ppm 0.002 | ME-MS41L Li ppm 0.1 | ME-MS41L Mg % 0.01 | ME-MS41L Mn ppm 0.1 | ME-MS41L Mo ppm 0.01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **STANDARDS** | | | | | | | | | | | | | | | | |
| CDN-PGMS25 | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| MRGeo08 | | 87.6 | 10.75 | 606 | 3.53 | 9.29 | 0.180 | 0.718 | 0.064 | 0.169 | 1.26 | 36.5 | 33.3 | 1.12 | 384 | 13.90 |
| Target Range - Lower Bound | | 82.3 | 9.45 | 587 | 3.23 | 8.77 | 0.161 | 0.658 | 0.047 | 0.137 | 1.12 | 31.3 | 29.6 | 1.03 | 382 | 13.15 |
| Upper Bound | | 100.5 | 11.55 | 675 | 3.95 | 10.75 | 0.207 | 0.808 | 0.075 | 0.179 | 1.40 | 38.3 | 36.4 | 1.29 | 466 | 16.05 |
| OREAS 905 | | 16.95 | 1.160 | 1520 | 3.38 | 5.97 | 0.100 | 1.130 | 0.013 | 0.576 | 0.30 | 36.6 | 4.6 | 0.14 | 316 | 2.83 |
| Target Range - Lower Bound | | 15.85 | 1.185 | 1455 | 3.15 | 5.78 | 0.101 | 1.095 | 0.005 | 0.517 | 0.28 | 35.8 | 4.3 | 0.13 | 315 | 2.69 |
| Upper Bound | | 19.35 | 1.455 | 1670 | 3.85 | 7.08 | 0.135 | 1.345 | 0.023 | 0.643 | 0.36 | 43.8 | 5.5 | 0.19 | 385 | 3.31 |
| OREAS 920 | | 40.9 | 1.845 | 111.0 | 3.54 | 6.35 | 0.102 | 0.575 | 0.008 | 0.029 | 0.38 | 34.7 | 19.7 | 1.04 | 476 | 0.34 |
| Target Range - Lower Bound | | 38.2 | 1.885 | 102.5 | 3.27 | 6.17 | 0.100 | 0.547 | <0.004 | 0.019 | 0.39 | 33.5 | 19.0 | 0.98 | 477 | 0.36 |
| Upper Bound | | 46.8 | 2.32 | 117.5 | 3.99 | 7.55 | 0.134 | 0.673 | 0.008 | 0.043 | 0.50 | 40.9 | 23.4 | 1.22 | 583 | 0.46 |
| OREAS-45e | | 782 | 0.658 | 695 | 22.8 | 13.00 | 0.267 | 0.772 | 0.011 | 0.082 | 0.05 | 6.61 | 2.7 | 0.08 | 333 | 1.70 |
| Target Range - Lower Bound | | 764 | 0.623 | 659 | 20.4 | 11.25 | 0.319 | 0.703 | <0.004 | 0.076 | 0.03 | 5.86 | 2.2 | 0.07 | 329 | 1.63 |
| Upper Bound | | 934 | 0.773 | 759 | 25.0 | 13.75 | 0.401 | 0.863 | 0.020 | 0.105 | 0.08 | 7.16 | 2.9 | 0.12 | 403 | 2.01 |
| OREAS-904 | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| OxJ111 | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| PK2 | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| **BLANKS** | | | | | | | | | | | | | | | | |
| BLANK | | 0.01 | <0.005 | 0.01 | <0.001 | 0.005 | 0.014 | <0.002 | <0.004 | <0.005 | <0.01 | <0.002 | 0.1 | <0.01 | <0.1 | <0.01 |
| BLANK | | 0.01 | <0.005 | <0.01 | <0.001 | <0.004 | 0.014 | <0.002 | <0.004 | <0.005 | <0.01 | <0.002 | <0.1 | <0.01 | <0.1 | <0.01 |
| Target Range - Lower Bound | | <0.01 | <0.005 | <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 |
| Upper Bound | | 0.02 | 0.010 | 0.02 | 0.002 | 0.008 | 0.010 | 0.004 | 0.008 | 0.010 | 0.02 | 0.004 | 0.2 | 0.02 | 0.2 | 0.02 |
| BLANK | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |

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Finalized Date: 4-OCT-2016
Account: ELEREC

Project: Bear Lake-Motase

## QC CERTIFICATE OF ANALYSIS VA16153916

| 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 | Na | Nb | Ni | P | Pb | Pd | Pt | Rb | Re | S | Sb | Sc | Se | Sn | Sr |
| | Units | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.001 | 0.002 | 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 |
| **STANDARDS** | | | | | | | | | | | | | | | | |
| CDN-PGMS25 | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| MRGeo08 | | 0.315 | 0.705 | 659 | 0.097 | 1010 | 0.004 | <0.002 | 141.0 | 0.010 | 0.29 | 3.32 | 7.20 | 0.8 | 3.13 | [illegible] |
| Target Range - Lower Bound | | 0.310 | 0.844 | 622 | 0.090 | 959 | 0.004 | <0.002 | 132.5 | 0.006 | 0.27 | 2.84 | 6.83 | 1.1 | 3.05 | [illegible] |
| Upper Bound | | 0.381 | 1.035 | 760 | 0.113 | 1175 | 0.008 | 0.006 | 161.5 | 0.010 | 0.35 | 3.86 | 8.35 | 1.7 | 3.75 | [illegible] |
| OREAS 905 | | 0.082 | 0.254 | 9.07 | 0.023 | 16.20 | 0.002 | 0.003 | 17.40 | <0.001 | 0.06 | 0.990 | 1.845 | 2.5 | 1.17 | [illegible] |
| Target Range - Lower Bound | | 0.082 | 0.277 | 7.97 | 0.020 | 15.40 | <0.001 | <0.002 | 17.35 | <0.001 | 0.04 | 0.947 | 1.695 | 2.0 | 1.13 | [illegible] |
| Upper Bound | | 0.102 | 0.343 | 9.83 | 0.026 | 18.80 | 0.002 | 0.004 | 21.2 | 0.002 | 0.09 | 1.295 | 2.08 | 2.7 | 1.41 | [illegible] |
| OREAS 920 | | 0.020 | 0.288 | 37.2 | 0.067 | 19.55 | <0.001 | 0.002 | 22.6 | <0.001 | 0.04 | 0.546 | 2.66 | 0.4 | 0.98 | [illegible] |
| Target Range - Lower Bound | | 0.020 | 0.385 | 34.5 | 0.063 | 19.35 | <0.001 | <0.002 | 22.3 | <0.001 | <0.01 | 0.514 | 2.61 | 0.6 | 1.08 | [illegible] |
| Upper Bound | | 0.026 | 0.475 | 42.3 | 0.079 | 23.7 | 0.002 | 0.004 | 27.3 | 0.002 | 0.05 | 0.707 | 3.21 | 1.1 | 1.34 | [illegible] |
| OREAS-45e | | 0.024 | 0.220 | 357 | 0.028 | 12.80 | 0.065 | 0.105 | 7.80 | <0.001 | 0.07 | 0.466 | 82.4 | 1.5 | 0.90 | [illegible] |
| Target Range - Lower Bound | | 0.023 | 0.196 | 321 | 0.025 | 11.90 | 0.055 | 0.102 | 6.75 | <0.001 | 0.02 | 0.461 | 70.2 | 1.5 | 0.79 | [illegible] |
| Upper Bound | | 0.031 | 0.244 | 393 | 0.033 | 14.60 | 0.069 | 0.129 | 8.27 | 0.002 | 0.07 | 0.635 | 85.8 | 2.1 | 0.99 | [illegible] |
| OREAS-904 | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| OxJ111 | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| PK2 | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| **BLANKS** | | | | | | | | | | | | | | | | |
| BLANK | | <0.001 | <0.002 | <0.04 | <0.001 | 0.008 | <0.001 | <0.002 | <0.005 | <0.001 | <0.01 | <0.005 | 0.007 | 0.1 | 0.02 | <0.01 |
| BLANK | | <0.001 | <0.002 | <0.04 | <0.001 | 0.011 | <0.001 | <0.002 | <0.005 | <0.001 | 0.01 | 0.008 | <0.005 | 0.1 | 0.01 | <0.01 |
| Target Range - Lower Bound | | <0.001 | <0.002 | <0.04 | <0.001 | <0.005 | | | <0.005 | <0.001 | <0.01 | <0.005 | <0.005 | <0.1 | <0.01 | <0.01 |
| Upper Bound | | 0.002 | 0.004 | 0.08 | 0.002 | 0.010 | | | 0.010 | 0.002 | 0.02 | 0.010 | 0.010 | 0.2 | 0.02 | 0.02 |
| BLANK | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |

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

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To: **ELECTRUM RES. CORP**
**912-510 W. HASTINGS STREET**
**VANCOUVER BC V6B 1L8**


**Finalized Date: 4-OCT-2016**
**Account: ELEREC**

Project: Bear Lake-Motase

## QC CERTIFICATE OF ANALYSIS VA16153916

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-MS41L<br>Ta<br>ppm<br>0.005 | ME-MS41L<br>Te<br>ppm<br>0.01 | ME-MS41L<br>Th<br>ppm<br>0.002 | ME-MS41L<br>Ti<br>%<br>0.001 | ME-MS41L<br>Tl<br>ppm<br>0.002 | ME-MS41L<br>U<br>ppm<br>0.005 | ME-MS41L<br>V<br>ppm<br>0.1 | ME-MS41L<br>W<br>ppm<br>0.001 | ME-MS41L<br>Y<br>ppm<br>0.003 | ME-MS41L<br>Zn<br>ppm<br>0.1 | ME-MS41L<br>Zr<br>ppm<br>0.01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **STANDARDS** | | | | | | | | | | | | |
| CDN-PGMS25 | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | |
| MRGeo08 | | 0.008 | 0.02 | 21.6 | 0.373 | 0.780 | 5.52 | 102.5 | 2.79 | 18.90 | 766 | 21.8 |
| Target Range - Lower Bound | | <0.005 | <0.01 | 19.25 | 0.342 | 0.661 | 4.97 | 90.8 | 2.49 | 17.55 | 710 | 18.60 |
| Upper Bound | | 0.024 | 0.04 | 23.5 | 0.420 | 0.899 | 6.09 | 111.0 | 3.37 | 21.5 | 868 | 25.2 |
| OREAS 905 | | <0.005 | 0.08 | 8.22 | 0.019 | 0.096 | 2.15 | 5.4 | 0.544 | 6.72 | 61.7 | 43.4 |
| Target Range - Lower Bound | | <0.005 | 0.04 | 7.99 | 0.016 | 0.092 | 2.13 | 5.3 | 0.521 | 6.37 | 60.2 | 40.4 |
| Upper Bound | | 0.010 | 0.09 | 9.77 | 0.022 | 0.129 | 2.61 | 6.8 | 0.707 | 7.79 | 73.8 | 54.6 |
| OREAS 920 | | 0.007 | 0.04 | 14.20 | 0.112 | 0.143 | 1.995 | 24.5 | 0.412 | 16.45 | 104.5 | 19.60 |
| Target Range - Lower Bound | | <0.005 | <0.01 | 13.75 | 0.110 | 0.103 | 1.930 | 23.6 | 0.390 | 16.90 | 95.3 | 18.10 |
| Upper Bound | | 0.018 | 0.04 | 16.85 | 0.136 | 0.143 | 2.37 | 29.0 | 0.530 | 20.7 | 116.5 | 24.5 |
| OREAS-45e | | <0.005 | 0.06 | 9.34 | 0.099 | 0.055 | 1.685 | 286 | 0.083 | 5.59 | 31.8 | 26.4 |
| Target Range - Lower Bound | | <0.005 | 0.06 | 8.50 | 0.094 | 0.048 | 1.460 | 258 | 0.081 | 4.97 | 26.9 | 23.7 |
| Upper Bound | | 0.021 | 0.13 | 10.40 | 0.118 | 0.070 | 1.795 | 316 | 0.111 | 6.09 | 35.5 | 32.1 |
| OREAS-904 | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | |
| OxJ111 | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | |
| PK2 | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | |
| **BLANKS** | | | | | | | | | | | | |
| BLANK | | <0.005 | <0.01 | <0.002 | <0.001 | <0.002 | <0.005 | 0.1 | 0.001 | <0.003 | 0.1 | <0.01 |
| BLANK | | <0.005 | 0.01 | <0.002 | <0.001 | <0.002 | <0.005 | <0.1 | <0.001 | <0.003 | 0.1 | <0.01 |
| Target Range - Lower Bound | | <0.005 | <0.01 | <0.002 | <0.001 | <0.002 | <0.005 | <0.1 | <0.001 | <0.003 | <0.1 | <0.01 |
| Upper Bound | | 0.010 | 0.02 | 0.004 | 0.002 | 0.004 | 0.010 | 0.2 | 0.002 | 0.006 | 0.2 | 0.02 |
| BLANK | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | |

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

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**Finalized Date: 4-OCT-2016**
**Account: ELEREC**

Project: Bear Lake-Motase

## QC CERTIFICATE OF ANALYSIS VA16153916

| Sample Description | Method / Analyte / Units / LOR | ME-MS41L Cr ppm 0.01 | ME-MS41L Cs ppm 0.005 | ME-MS41L Cu ppm 0.01 | ME-MS41L Fe % 0.001 | ME-MS41L Ga ppm 0.004 | ME-MS41L Ge ppm 0.005 | ME-MS41L Hf ppm 0.002 | ME-MS41L Hg ppm 0.004 | ME-MS41L In ppm 0.005 | ME-MS41L K % 0.01 | ME-MS41L La ppm 0.002 | ME-MS41L Li ppm 0.1 | ME-MS41L Mg % 0.01 | ME-MS41L Mn ppm 0.1 | ME-MS41L Mo ppm 0.01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DUPLICATES** | | | | | | | | | | | | | | | | |
| ORIGINAL | | | | | | | | | | | | | | | | |
| DUP | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| ORIGINAL | | 17.10 | 0.366 | 989 | 26.6 | 1.090 | 0.426 | 0.085 | 3.62 | 0.153 | 0.25 | 1.670 | 1.4 | 0.49 | 254 | 14.35 |
| DUP | | 17.00 | 0.406 | 978 | 26.6 | 1.070 | 0.411 | 0.093 | 3.60 | 0.147 | 0.25 | 1.680 | 1.2 | 0.49 | 250 | 15.20 |
| Target Range - Lower Bound | | 16.20 | 0.362 | 949 | 25.3 | 1.020 | 0.393 | 0.083 | 3.34 | 0.138 | 0.23 | 1.590 | 1.1 | 0.46 | 239 | 14.05 |
| Upper Bound | | 17.90 | 0.410 | 1020 | 27.9 | 1.140 | 0.444 | 0.095 | 3.88 | 0.163 | 0.27 | 1.760 | 1.5 | 0.52 | 265 | 15.50 |
| SZ010 | | 22.1 | 1.860 | 30.6 | 4.35 | 4.81 | 0.074 | 0.076 | 0.037 | 0.034 | 0.06 | 7.29 | 20.2 | 0.74 | 965 | 2.80 |
| DUP | | 22.1 | 1.995 | 31.7 | 4.54 | 5.02 | 0.079 | 0.082 | 0.040 | 0.040 | 0.06 | 8.08 | 19.5 | 0.75 | 1045 | 3.05 |
| Target Range - Lower Bound | | 21.0 | 1.825 | 30.0 | 4.22 | 4.67 | 0.068 | 0.073 | 0.032 | 0.030 | 0.05 | 7.30 | 18.8 | 0.70 | 955 | 2.77 |
| Upper Bound | | 23.2 | 2.03 | 32.3 | 4.67 | 5.16 | 0.085 | 0.085 | 0.045 | 0.044 | 0.07 | 8.07 | 20.9 | 0.79 | 1055 | 3.08 |

ALS Minerals

Project: Bear Lake-Motase

QC CERTIFICATE OF ANALYSIS VA16153916

| Sample Description | Method / Analyte / Units / LOR | PGM-ICP23 Au ppm 0.001 | PGM-ICP23 Pt ppm 0.005 | PGM-ICP23 Pd ppm 0.001 | ME-MS41L Au ppm 0.0002 | ME-MS41L Ag ppm 0.001 | ME-MS41L Al % 0.01 | ME-MS41L As ppm 0.01 | ME-MS41L B ppm 10 | ME-MS41L Ba ppm 0.5 | ME-MS41L Be ppm 0.01 | ME-MS41L Bi ppm 0.001 | ME-MS41L Ca % 0.01 | ME-MS41L Cd ppm 0.001 | ME-MS41L Ce ppm 0.003 | ME-MS41L Co ppm 0.001 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DUPLICATES** | | | | | | | | | | | | | | | | |
| ORIGINAL | | <0.001 | <0.005 | <0.001 | | | | | | | | | | | | |
| DUP | | <0.001 | <0.005 | <0.001 | | | | | | | | | | | | |
| Target Range - Lower Bound | | <0.001 | <0.005 | <0.001 | | | | | | | | | | | | |
| Upper Bound | | 0.002 | 0.010 | 0.002 | | | | | | | | | | | | |
| ORIGINAL | | | | | 0.318 | 1.240 | 0.42 | 90.3 | <10 | 2.4 | 0.28 | 1.715 | 1.39 | 0.915 | 4.01 | 106.0 |
| DUP | | | | | 0.291 | 1.235 | 0.43 | 91.7 | <10 | 4.0 | 0.26 | 1.730 | 1.38 | 0.860 | 4.02 | 106.5 |
| Target Range - Lower Bound | | | | | 0.289 | 1.175 | 0.39 | 86.4 | <10 | 2.5 | 0.25 | 1.635 | 1.31 | 0.842 | 3.81 | 101.0 |
| Upper Bound | | | | | 0.320 | 1.300 | 0.46 | 95.6 | 20 | 3.9 | 0.29 | 1.810 | 1.46 | 0.933 | 4.22 | 111.5 |
| SZ010 | | <0.001 | <0.005 | <0.001 | 0.0012 | 0.122 | 1.53 | 10.60 | <10 | 214 | 0.43 | 0.182 | 0.45 | 0.484 | 15.45 | 12.25 |
| DUP | | | | | 0.0006 | 0.137 | 1.58 | 11.60 | <10 | 272 | 0.41 | 0.171 | 0.45 | 0.548 | 16.75 | 12.70 |
| Target Range - Lower Bound | | | | | 0.0007 | 0.122 | 1.47 | 10.55 | <10 | 224 | 0.39 | 0.167 | 0.42 | 0.489 | 15.30 | 11.85 |
| Upper Bound | | | | | 0.0011 | 0.137 | 1.64 | 11.65 | 20 | 262 | 0.45 | 0.186 | 0.48 | 0.543 | 16.90 | 13.10 |

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**Finalized Date: 4-OCT-2016**
**Account: ELEREC**

Project: Bear Lake-Motase

## QC CERTIFICATE OF ANALYSIS VA16153916

| Sample Description | Method / Analyte / Units / LOR | ME-MS41L Na % 0.001 | ME-MS41L Nb ppm 0.002 | ME-MS41L Ni ppm 0.04 | ME-MS41L P % 0.001 | ME-MS41L Pb ppm 0.005 | ME-MS41L Pd ppm 0.001 | ME-MS41L Pt ppm 0.002 | ME-MS41L Rb ppm 0.005 | ME-MS41L Re ppm 0.001 | ME-MS41L S % 0.01 | ME-MS41L Sb ppm 0.005 | ME-MS41L Sc ppm 0.005 | ME-MS41L Se ppm 0.1 | ME-MS41L Sn ppm 0.01 | ME-MS41L Sr ppm 0.01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DUPLICATES** | | | | | | | | | | | | | | | | |
| ORIGINAL | | | | | | | | | | | | | | | | |
| DUP | | | | | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | | | | | |
| ORIGINAL | | 0.030 | 0.020 | 73.5 | 0.062 | 89.0 | 0.011 | 0.008 | 6.83 | 0.219 | >10.0 | 12.00 | 2.27 | 105.0 | 0.31 | 33.1 |
| DUP | | 0.030 | 0.019 | 73.6 | 0.062 | 89.2 | 0.013 | 0.007 | 7.22 | 0.229 | >10.0 | 12.60 | 2.17 | 99.2 | 0.30 | 33.9 |
| Target Range - Lower Bound | | 0.028 | 0.017 | 69.8 | 0.058 | 84.6 | 0.010 | 0.005 | 6.67 | 0.212 | 9.49 | 11.35 | 2.10 | 96.9 | 0.28 | 31.8 |
| Upper Bound | | 0.033 | 0.022 | 77.3 | 0.066 | 93.6 | 0.014 | 0.010 | 7.38 | 0.236 | 10.00 | 13.25 | 2.34 | 107.5 | 0.33 | 35.2 |
| SZ010 | | 0.010 | 0.289 | 17.65 | 0.079 | 15.00 | <0.001 | <0.002 | 4.27 | 0.003 | 0.02 | 0.648 | 6.57 | 0.5 | 0.36 | 30.3 |
| DUP | | 0.010 | 0.316 | 17.90 | 0.079 | 15.80 | <0.001 | <0.002 | 4.23 | 0.001 | 0.03 | 0.806 | 6.89 | 0.6 | 0.36 | 32.0 |
| Target Range - Lower Bound | | 0.009 | 0.285 | 16.85 | 0.074 | 14.65 | <0.001 | <0.002 | 4.03 | <0.001 | <0.01 | 0.667 | 6.29 | 0.4 | 0.33 | 29.6 |
| Upper Bound | | 0.012 | 0.320 | 18.70 | 0.084 | 16.20 | 0.002 | 0.004 | 4.47 | 0.003 | 0.04 | 0.787 | 6.97 | 0.7 | 0.39 | 32.7 |

Minerals

Project: Bear Lake-Motase

QC CERTIFICATE OF ANALYSIS VA16153916

| Sample Description | Method / Analyte / Units / LOR | ME-MS41L Ta ppm 0.005 | ME-MS41L Te ppm 0.01 | ME-MS41L Th ppm 0.002 | ME-MS41L Ti % 0.001 | ME-MS41L Tl ppm 0.002 | ME-MS41L U ppm 0.005 | ME-MS41L V ppm 0.1 | ME-MS41L W ppm 0.001 | ME-MS41L Y ppm 0.003 | ME-MS41L Zn ppm 0.1 | ME-MS41L Zr ppm 0.01 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DUPLICATES** | | | | | | | | | | | | |
| ORIGINAL | | | | | | | | | | | | |
| DUP | | | | | | | | | | | | |
| Target Range - Lower Bound | | | | | | | | | | | | |
| Upper Bound | | | | | | | | | | | | |
| ORIGINAL | | <0.005 | 1.27 | 0.873 | 0.001 | 0.656 | 0.219 | 17.7 | 0.030 | 3.89 | 171.0 | 3.44 |
| DUP | | <0.005 | 1.23 | 0.870 | 0.001 | 0.657 | 0.225 | 18.3 | 0.029 | 3.84 | 171.0 | 3.39 |
| Target Range - Lower Bound | | <0.005 | 1.18 | 0.826 | <0.001 | 0.605 | 0.206 | 17.0 | 0.026 | 3.67 | 162.5 | 3.15 |
| Upper Bound | | 0.010 | 1.32 | 0.917 | 0.002 | 0.708 | 0.238 | 19.0 | 0.033 | 4.06 | 179.5 | 3.68 |
| SZ010 | | <0.005 | 0.09 | 1.060 | 0.056 | 0.080 | 0.780 | 87.1 | 0.181 | 8.03 | 160.0 | 2.45 |
| DUP | | <0.005 | 0.08 | 1.125 | 0.055 | 0.083 | 0.767 | 86.8 | 0.208 | 8.26 | 166.5 | 2.53 |
| Target Range - Lower Bound | | <0.005 | 0.07 | 1.035 | 0.052 | 0.073 | 0.730 | 82.5 | 0.179 | 7.73 | 155.0 | 2.29 |
| Upper Bound | | 0.010 | 0.10 | 1.150 | 0.059 | 0.090 | 0.817 | 91.4 | 0.210 | 8.56 | 171.5 | 2.69 |