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# Assessment Report on a Soil Geochem Survey and Stripping, Jacobson Township

Sault Ste. Marie Mining Division  
District of Algoma  
NTS: 41N/01

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## **Introduction**

In the fall of 2017, Comstock Metals Ltd. completed an exploration program on their Old Cabin Property in Jacobson Township, Northeastern Ontario. The program consisted of stripping/channel sampling and a soil geochem survey. Stripping was carried out to expose historical, known areas of interest for examination/mapping and sampling. The soil geochem survey was conducted to test for anomalous auriferous zones to help trace and possibly connect both historical and more recent exploration results.

## Location and Access

The Old Cabin Project is located 48 kilometers northeast of Wawa, Ontario and 20 kilometers southeast of the town of Dubreuilville in the southeast corner of Jacobson Township of the Sault Ste Marie Mining Division ( Figure 1). The specific project location is described in the following table.

**Table 1. Project Location**

Area:	Algoma District
Township:	Jacobson
Mining Division:	Sault Ste Marie
Claim Map:	M-1583
NTS:	42 C/8
Latitude:	48 17" 30"
Longitude:	84 18" 00"

Access to the property is via the Trans Canada Highway #17 for 38 km north of Wawa. From this point access is obtained by turning east along Hwy 519 and traveling towards the town of Dubreuilville. Approximately 1 km before reaching the town of Dubreuilville, one has to cross a single lane bridge. Immediately to the right is the Goudreau Road which is followed for 14 km. At this point one arrives at the Goudreau-Lochalsh Road. A left turn at the Lochalsh section of the road for approximately 6.7 km takes one to the turn-off for the Edwards Mine. From this juncture, one follows the road for 8.4 km., at which point you arrive on the southeast corner of the property.

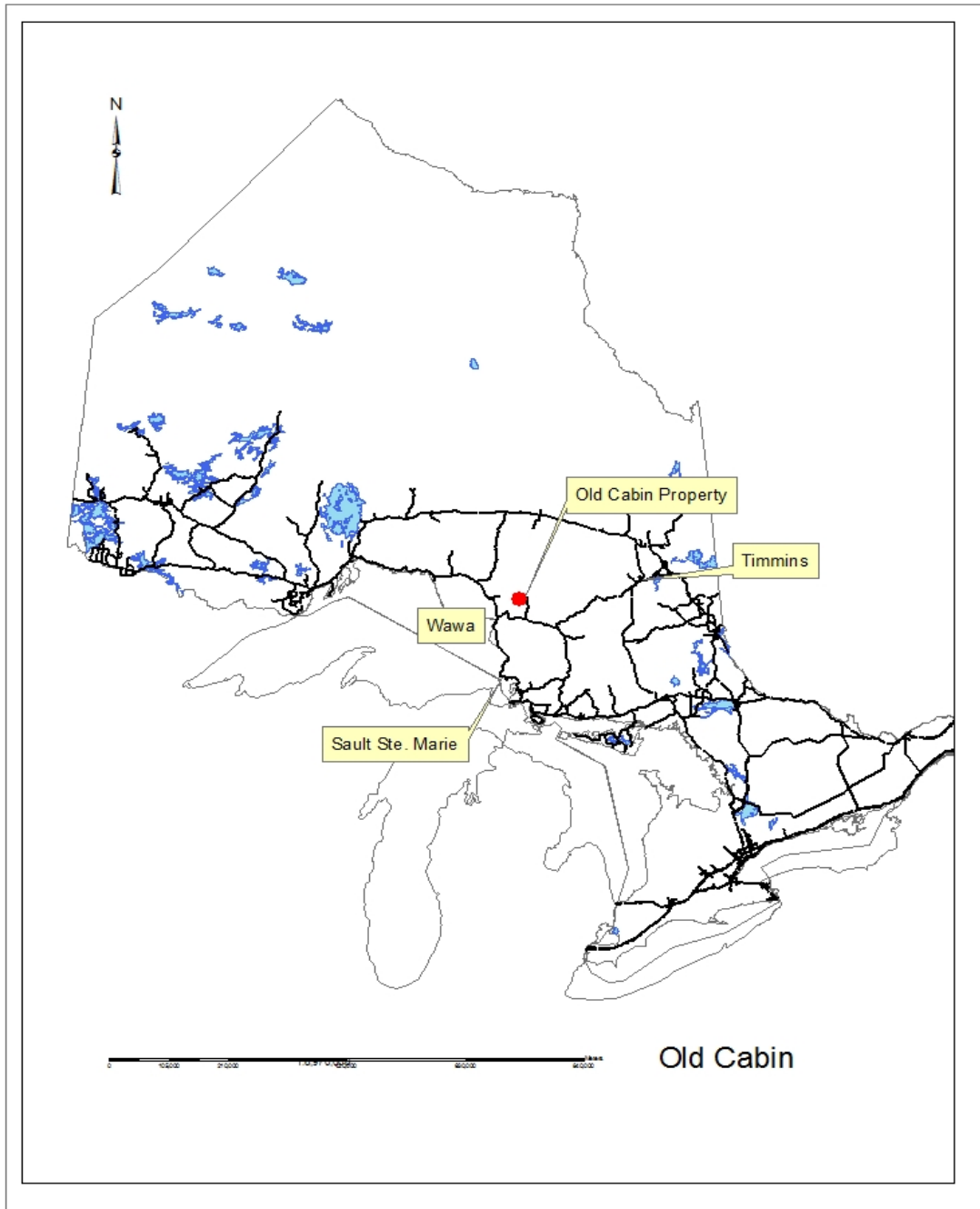


Figure 1. Property Location

## **Property Description**

The Old Cabin Project is comprised of four (4) unpatented claims covering approximately 480 hectares and which include claim numbers 1228575, 3013762, 3013761 and 4218098. See Figure 2.

A schedule of claims can be found in Appendix A.

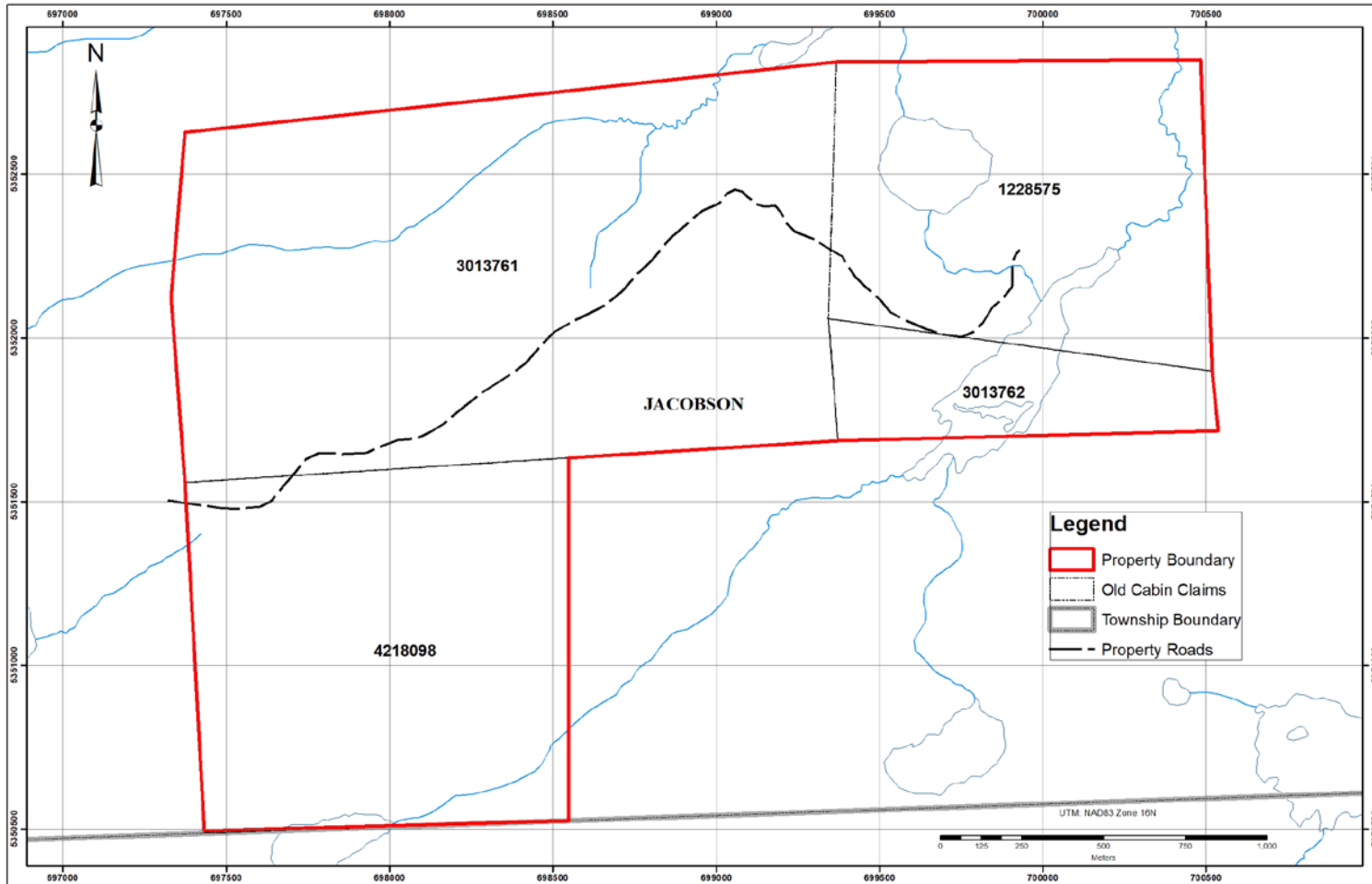


Figure 2. Old Cabin Property Claim Location. Claim fabric from MNDM Claims database, December, 2017.

## **Previous Work**

The first recorded work on the property was done in the mid 1920's by C. Reid who discovered gold and carried out trenching and stripping on what is now known as the Reid Prospect. Around 1937, Lake Godin Mining Syndicate acquired or staked the present property and carried out an extensive prospecting and stripping program. An 11 hole diamond drill program was reported but the results were not submitted for assessment. A near BQ(?) sized drill hole with an easterly azimuth and approximate collar dip of -45 was observed in the Reid Vein stripped area may be one of these holes

From 1940 to 1980, no record of assessment work was reported and the claims undoubtedly changed hands between individuals over this period.

In 1980, Noranda Mines acquired the property and cut 27 km of line, conducted geological mapping and a V.L.F. survey. In 1983, they drilled three (3) short Winkie drill holes for a total of 345 feet. Assays were not submitted and the claims were allowed to lapse.

In 1985, Cymball Exploration Inc. performed magnetometer and VLF surveys and followed up with two (2) drill holes. No assays were reported for the drilling. In 1994 the company did some trenching and reported gold assays up to 130 g/t Au.

In 1998, Dave Healey and Todd Keast conducted an exploration program as part of an OPAP submission which consisted of line cutting, soil geochemical surveys, mapping and prospecting. Trenches were mapped and three new gold showings were discovered with assays running as high as 173 g/t Au. Further work was recommended including a detailed magnetometer survey, mechanical stripping, limited IP surveys and diamond drilling.

In 1999, Dave Healey performed a VLF survey on the group of claims and recognized a series of anomalies corresponding with mag lows and recognized shear zones.

## ***Recent Work History***

In July of 2005, Golden Chalice Resources Inc. (Golden Chalice), accompanied by Dave Healey, spent a day investigating and sampling three of the gold occurrences. One grab sample from what was described as a "sugary textured" quartz vein with minor ankeritic and hematitic alteration hosted within chloritized mafic metavolcanics returned an assay of 211.82 g/t Au.

In 2006, Golden Chalice completed a total field ground magnetic survey using the old grid established by Healey. This survey delineated a distinct magnetic high transecting the property east-north-east that is believed to define the contact between the mafic volcanics/sediments to the south, and a gabbroic intrusive to the north. Golden Chalice subsequently acquired 100% interest in the property in 2007 and later that year transferred 100% interest to Chalice Diamond Corp, (Chalice Diamond).

In 2009, Chalice Diamond stripped nine (9) areas to expose and sample areas of interest determined from both historical results and known areas of high alteration and/or deformation. Five (5) of the stripped areas were channel sampled and assayed, but only the Reid Vein (which had consistently high gold values from an historic trench), samples were submitted for assessment (2010).

In 2011, Chalice Diamond changed its name to La Ronge Gold Corp. (La Ronge) and completed geological mapping of all the stripped areas. The results of the 2009 channel sampling that were not submitted for assessment in 2010 were also reported as part of this submission. Channel samples cut on the South Zone stripped area but not extracted were chipped out and described but not submitted for analysis. No new sampling was completed.

In 2014, La Ronge spent three (3) days prospecting and sampling the previous Chalice Diamond stripping and other areas of interest on the property. This included a tour day with MNM personnel.

In 2016, La Ronge carried out six (6) days of a more detailed prospecting effort; more detailed in both the level of examination of the previously stripped Chalice Diamond areas, following up on results from the 2014 sampling, and in coverage of the over all property.



## Regional Geology

The regional geology has been adeptly summarized by Pope (2016) and is herein quoted verbatim:

*The Old Cabin property is situated in the Michipicoten greenstone belt which is part of the Wawa Subprovince of the Superior Province of the Canadian Shield. The Michipicoten greenstone belt is approximately 140 km long and a maximum of 45 km wide (Williams et al, 1991). The belt is comprised of three volcanic-sedimentary cycles of Archean age. The age of the rocks from oldest to youngest are: 2,889 Ma for the Hawk assemblage (cycle 1); 2,750 Ma for the Wawa assemblage (cycle 2), and 2,700 Ma for the Catfish assemblage (cycle 3). Shearing along the contacts has often obscured the original relationship between the assemblages.*

*The intermediate to felsic volcanic rocks that form the upper part of the Wawa assemblage consist of tuff, quartz-feldspar crystal tuff, lapilli tuff, oligomictic and polymictic breccia and scarce spherulitic flows (Williams et al, 1991). Capping the Wawa assemblage is a 100 to 150m thick section of iron formation with a total strike length exceeding 100 km. Overlying the Wawa assemblage is the lower Catfish assemblage, consisting of massive and pillowed magnesium- and iron-rich tholeiitic flows.*

*The volcanic rocks have been intruded by a number of mafic sills and stocks ranging from quartz diorite to gabbro in composition and felsic to intermediate sills and stocks ranging from nepheline syenite to tonalite-trondhjemite in composition (Williams et al, 1991).*

*Two regionally extensive, subparallel zones of deformation have been defined in the Goudreau-Lochalsh area of the Wawa Gold Camp by Heather and Arias (1992). The Goudreau Lake Deformation Zone (GLDZ) and the Cradle Lakes Deformation Zone (CLDZ) have been defined using deformation or strain intensity, deformation style and the distribution and density of high strain zones. The majority of the known gold deposits and occurrences are located within the GLDZ, a 4.5 km wide by over 30 km long, east-northeast- to east striking arcuate zone subparallel to the major lithological and foliation trends (Heather and Arias, 1992). The GLDZ is situated approximately 2 to 3 km north of the Old Cabin property in the vicinity of the Edwards and Cline past producing gold mines. The CLDZ is located approximately 2 to 3 km south of the Old Cabin property, it is at least 5 to km in length and approximately 1 to 2 km in width.*

*The Old Cabin property is situated on the south limb of the Goudreau Anticline which strikes eastnortheast-to east to east-southeast across the northern boundary of the property (Sage, 1990) (Map 1). The Goudreau Anticline is interpreted as a thrust faulted inverted anticline of an early recumbent nappe fold (Heather and Arias, 1992).*

*Heather and Arias (1992) summarized the gold mineralization in the Goudreau-Lochalsh area as follows: 1) gold is found in a number of geological settings, significant gold mineralization is associated with quartz veins, siliceous zones and sulphide schists within discrete brittle-ductile high strain zones in the GLDZ and CLDZ; 2) the high strain zones have systematic orientations at both regional and detailed scales; 3) the GLDZ can be subdivided into domains within which certain high strain orientations appear more favorable for gold mineralization; 4) there is a spatial relationship between felsic intrusions and gold mineralization; 5) locally felsic dike contacts are particularly favourable for gold mineralization; 6) alteration associated with gold mineralization consists of variable biotite, sericite, iron-carbonate, quartz, chlorite, k-feldspar, calcite, pyrite and pyrrhotite, and 7) gold occurrences in the GLDZ*

*appear to be clustered along the margins of a regionally extensive mafic to intermediate sill or dike.*

*Record first quarter 2016 gold production, increased gold grades and exploration success both laterally and at depth by Richmond Mines Inc. at their Island Gold Mine (Richmont Mines Inc., 2016) situated in the GLDZ has renewed interest in gold exploration in the Goudreau-Lochalsh area. At the Island Gold Mine, gold mineralization occurs in a number of sub-parallel zones consisting of moderate to high strain intensity or shearing, intense quartz-sericite-pyrite-carbonate +/- tourmaline +/- albite alteration with white to grey ribbon-banded quartz veins containing specks or clouds of visible gold (Adam and Vachon, 2014). Ore reserves at Island Gold as of December 31, 2015 are reported as 2,115,500 tonnes at a grade of 8.26 g/t totaling 561,700 ounces of gold, with most of reserves and resources below the 400m level (Richmont Mines Inc., 2016).*

## Property Geology

As mentioned, the Old Cabin property lies on the south limb of the Goudreau Anticline whose interpreted axis strikes through the northern portion of the property. The axis is mapped by Sage (1993) as striking north-northwest from the east side of the property, and bending to the southwest near the approximate centre of the property. Sage has mapped the lithology as striking and bending in a similar pattern. Though there is no mention in the literature of a later fold event causing this bending, it is interesting that the most intense deformation was observed in the 2009 Boulder trench which is near the intersection of the Goudreau Anticline and a north-northwest striking fold. See Figure 3.

The property itself is underlain by mafic to intermediate metavolcanics and intermediate to felsic metavolcanics and pyroclastics. The ground magnetometer survey has defined a high mag zone striking through the centre of the property that has been interpreted as being a (or multiple) gabbro intrusive(s). This unit is exposed by the Reid Vein stripping completed by Chalice Diamond in 2009. Though often difficult to distinguish between the mafic gabbro and the mafic metavolcanics, the gabbro is more massive and coarse grained with chlorite “clots” on a weathered surface appearance.

Sage has mapped a quartz gabbro unit within the area of the high mag zone which is not exposed at the Reid Vein stripping. There is a felsic unit interpreted in the 2011 mapping that could possibly represent fractionation/degassing of the gabbro intrusive. Possibly the quartz gabbro may also be fractionation event of the gabbro intrusion and is non-magnetic.

Diabase was exposed at the 2009 South Trench along with lamprophyre.

Similar to the intense deformation observed in the Boulder Trench, it is of note that the magnetic high defining the intrusive is broken up and more dispersed in this same area. See Figure 3.

Without detailed geological and structural mapping it is difficult to understand the deformation on a property scale. As a cursory interpretation, it does appear that there is both a ductile phase and a more brittle phase and there are intense zones of ductile

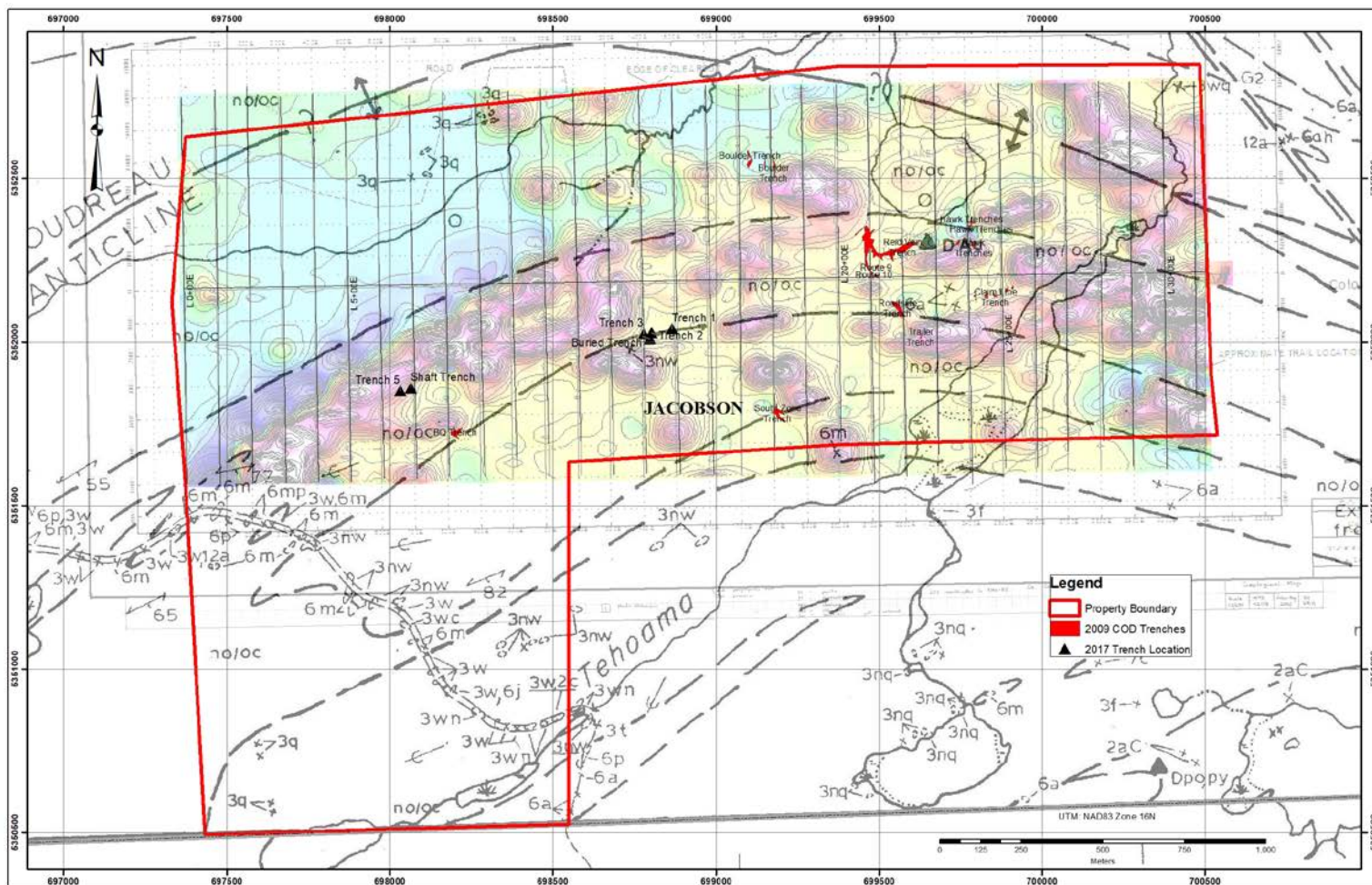


Figure 3. Sage (1993) Geology Map, COD 2006 Ground Magnetometer and trench locations

deformation as exhibited at the Boulder Trench. Whether these phases are both part of the GLDZ event or are more closely associated with the intrusion is not well understood. Shearing at the Boulder Trench exhibits chevron folding (Pope 2016) but may instead represent 2 phases of deformation. Crenulation fabric observed in a channel sample from 2017 stripping also suggests at least 2 phases of deformation. See Figure 4.



**Figure 4. Channel sample from Trench #3, 2017 trenching exhibiting strong sericite/silicification/carb alteration, strong shearing with crenulation cleavage, cut by a fairly fresh, vuggy quartz vein.**

The problem with interpreting deformation events is evident when trying to line up the deformation/alteration observed in the stripped areas, including the 2017 stripping. The more brittle shearing observed at the 2017 Shaft Trench matches the type of brittle shearing observed at the Reid Vein stripping and may mark the contact between the intrusive and the metavolcanics. Following the strike of the lithology, it would appear that the Boulder Trench is in the same structural domain. However, the shearing observed at the Boulder Trench is more intense and ductile with the crenulated shear foliation (Pope's chevron folding) and boudined quartz veins and is different than that observed in the Shaft Trench and Reid Vein Trench. The iron carbonate alteration at the Boulder trench is also significantly different than observed at the other 2 trenches. The shearing, alteration and boudined quartz veining of the BQ Trench is similar, though less intense, to the Boulder Trench. Originally, the BQ zone has been interpreted as being within a high strain zone that links up with the 2009 South Trench rather than the Boulder Trench.

From previous mapping, at least 2 generations of quartz veining have been discerned (Pope 2016). An earlier generation, sugary in appearance, is deformed by the shearing with the host rocks and is often boudined (Boulder Trench). Pope describes a second

generation as also being deformed by shearing but without the sugary appearance (BQ Trench). Both generations are observed at the BQ Trench.

A third generation quartz veining has also been observed in the stripped areas. These are generally quartz/carb stringers, near perpendicular to the east-west shearing. The 2017 stripping uncovered a quartz vein (orientation unknown) that was milky-white and vuggy, hosted by a strongly sheared, crenulated host (Figure 4). The vein contacts were near perpendicular to the shearing and oblique to the crenulation axis (described from channel sample).

There is significant iron carbonate alteration throughout the centre portion of the property occurring both as pervasive to patchy rust staining of the host rock and as ankerite associated with quartz veining. This is often associated with deformation and quartz veining. Chlorite alteration is also pervasive and quite strong in the gabbroic and metavolcanic rocks. Other alteration, associated with quartz-carbonate veining includes sericite, silicification and some tourmaline. Channel samples from the 2017 Shaft Trench also exhibit a weak to moderate, ready reaction to HCl indicating calcium carbonate alteration.

Mineralization associated with the quartz veining is predominantly pyrite with lesser pyrrhotite and occurs in low concentrations as disseminated subhedral, fine grained crystals and very fine grained, discontinuous stringers. Minor chalcopyrite and bornite was found as a "glob" at the intersection of an east-west brittle shear and a north-south brittle shear (the latter is terminated by the former) at the Reid Vein stripped area. Sphalerite may have been observed in the 2017 Trench 3.

Historically, gold mineralization on the property has been described as occurring in a series of stacked en-echelon east-west trending quartz lenses and stringers relegated to shear zones which trend from northeast to southwest. The most significant of these has been the Reid Vein where a thin east-west striking shear has been exposed and trenched, extending from the edge of the outcrop for approximately 8-10 metres before petering out. The trenches along this shear have produced the highest and most consistent results (Chalice Diamond, 2006 sampled 211.82 g/t Au). Though no recent reports have mentioned visible gold, older reports have reported significant free gold (though the author believes have been exaggerated). See Figure 5.



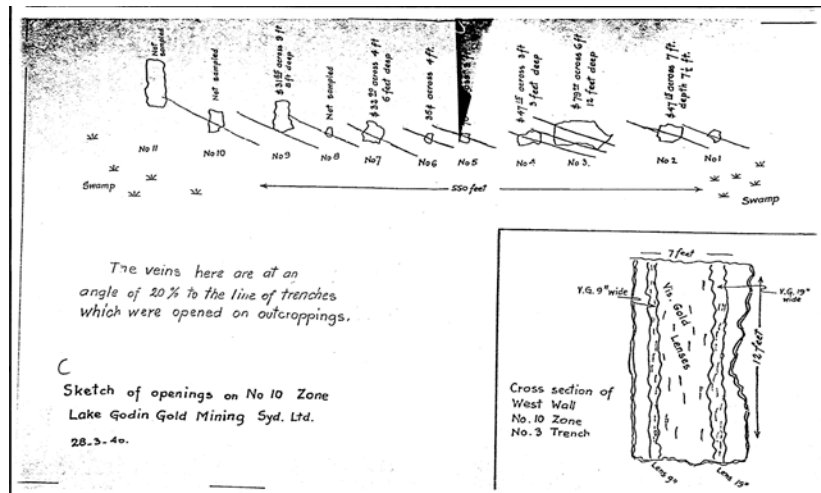


Figure 5. Sketch from AFRI Report 42C08SW0148 0031A1 illustrating location of trenches and cross section of gold mineralization at the Reid Vein.

## Work Performed - 2017

Comstock Minerals obtained an MNDM Work Plan that became active as of October 13<sup>th</sup>, 2017. Work submitted as part of the Plan includes surface stripping (<100 sq metres within 200 metres), line cutting, soil geochem survey, IP and other geophysical surveys.

The work performed in the 2017 exploration program included 2 days of prospecting/trench layout, a soil geochem survey and the stripping of six (6) small trenches that were subsequently channel sampled.

## Prospecting/Trench Layout

The author travelled to the property on two separate occasions prior to October 13<sup>th</sup> to prospect the 2 areas chosen for stripping and layout trenches. The first area was in the Cymbal Shaft area where an historical shaft (Cymbal Shaft) and trench were known to exist. A trench was laid out beside each feature. Grab samples were taken from the debris pile of the trench and shaft, and the east and west walls of the shaft were also sampled.

The second area was approximately 740m east-northeast of the Cymbal Shaft area in the highly trenched area. Two trenches were laid out beside 2 historical trenches on the north side of a low rise. These trenches are approximately 25m apart. Only one historical trench was sampled; bedrock could not be reached in the second trench for sampling.

## ***Soil Geochemistry Survey***

The grid for the soil geochemistry survey was laid out starting near the western edge of the property moving eastward to cover the Cymbal Shaft area, the BQ Trench, the “highly trenched” area (Healey 1996) (and referred to by Pope as the High Strain Zone) between the BQ Trench and the South Trench, and northward to cover the Boulder Trench.

Geochem samples were humus samples, taken on lines 100 metres apart at 25m centres. The sampler removed leaf litter to expose the top layer of soil which was then scooped out filling soil sample bags. The 2006 Healey grid was used as guidance when possible, but GPS was used for control and sample location. A total of 245 samples were taken including QC samples. Sample numbers were derived from the grid line number (Healey grid) and a sequential number which started at 1 for each line; e.g. L5-010 is on Line 5 and is the 10<sup>th</sup> sample. Field methodology was defined by and sampling was completed by Lordan Exploration Services with a crew of 2.

Samples were submitted to ALS Canada (ALS) in Thunder Bay, Ontario where they were dried and screened to 180um (ALS’ Prep-41). The original method of analysis chosen was ALS’ Au-TL35 which uses ICP-MS and analyzing for gold only. However, after drying the samples, 99 were found to be too light for analysis by this method. After discussions with the lab, it was decided to analyze these samples using ALS’ method ME-MS41L which also uses ICP-MS but only requires 0.5g sample weight. This was to ensure that any results from these samples that returned below detection limit values were not due to insufficient material.

See Figure 6 for a map of sample locations and the Appendices for maps of the results.

## **Quality Control – Soil Samples**

Because of the small size of the survey, quality control was largely dependent on the internal procedures (standards, blanks and duplicates) of ALS. The only external control procedure was to include a duplicate soil sample in every 20 samples. A second soil sample was taken from the wall of the hole of the sample being duplicated. These samples are denoted by a “B” at the end of the sample number.

## ***Stripping and Channel Sampling***

A total of six (6) trenches were dug over 2 days to expose bedrock in 2 areas, the Cymbal Shaft area and the highly trenched area. One trench (Shaft Trench) in the Cymbal Shaft area is immediately adjacent to the west side of the shaft. The second trench (Trench 5) is approximately 35m to the west of the shaft and on the east side of a north-south trench.

In the highly trenched area, 4 trenches were dug: 2 trenches (Trench 2 and Trench 3) that were laid out beside historical trenches and along the north side of a low topographic rise; 1 trench approximately 15m south of these two trenches (Buried Trench) to expose the south edge of the rise; and 1 trench (Trench 1) approximately 60m east of the first two trenches at the eastern edge of the rise.

Because Healey's map (2006) indicates numerous trenches further west of this area (though a cursory exploration did not find them), it was decided to dig Trench 1 to the east of Trenches 2 and 3 in an attempt to extend the structure eastward.

Trenches were excavated with a general azimuth of 330° and extended in both north and south directions well past the expected zone of interest to ensure the entire width of the zone was uncovered. Once the zone was confirmed, the ends of the trenches were examined/mapped and then backfilled to stay within the limit of 100 sq m within 200m.

Trench 4 was completely backfilled as nothing of interest was exposed and no sampling was completed.

Excavator work was completed by M.T. Enterprise out of Wawa, Ontario under the direction of the author. The 2 days included mob and demob of personnel and equipment.

See Figure 6 for a sketch of the trench locations.



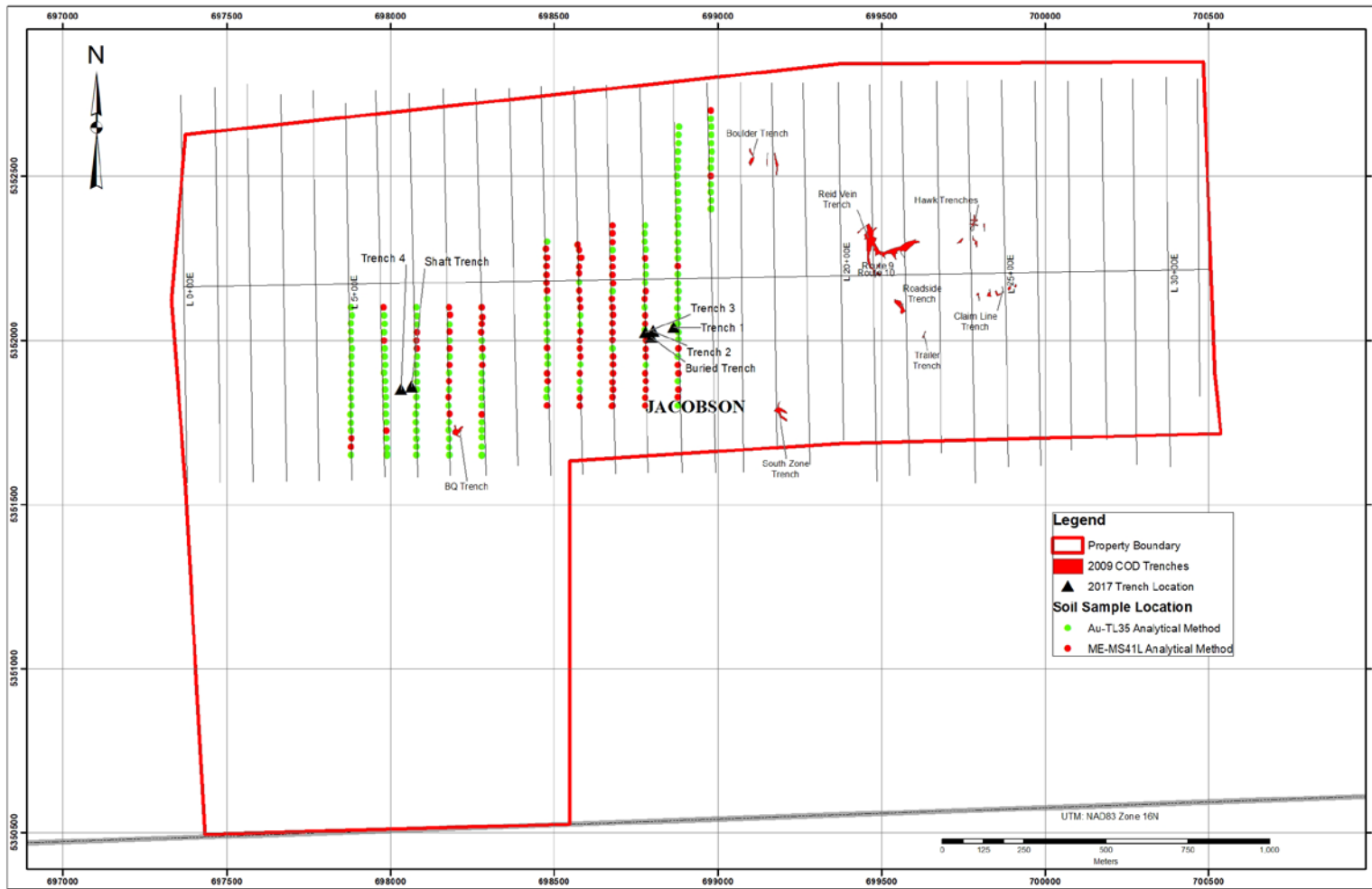


Figure 6. Location of 2009 Trenches, 2017 Trenches and 2017 Soil Sampling

Once the trenching was complete, the trenches were power washed for mapping and channel sampling. Washing and exposing the surface of the rock in trenches 2 and 3 was difficult due to the depth of overburden and lack of places for water to run.

The trenches were mapped by the author once the washing was complete.

Channel samples were cut using a handheld rock saw, chipped out using chisel and moil, and placed in plastic samples bags, sealed with zip ties by the contractors. The bags were unsealed later by the author for describing and then resealed. Samples were shipped to ALS in Thunder Bay for analysis using their ME-MS61 ICP-MS method with Au-AA24 AA finish.

Washing and channel sampling was completed by Lordan Exploration Services. Channel samples were laid out by the author.

Maps of the trenches, location and description of channel samples and results can be found in the Appendices.

## Quality Control

Because of the small size of the survey, quality control was largely dependent on internal procedures (standards, blanks and duplicates) of ALS. The only external control procedure was to request a lab duplicate of every 19<sup>th</sup> sample in every 20 samples.

## Summary of Work

**Table 2. Summary of dates, operators and work tasks for the project**

Date	Operator	Description
September 14, 2017	John Walmsley	Prospecting, trench layout, Cymbal Shaft area
September 27, 2017	John Walmsley	Prospecting, trench layout, highly trenched area
October 15, 2017	Lordan Exploration (2 operators)	Mob to property
October 16, 2017	MT Enterprise	Mob to property, stripping Cymbal Shaft trenches
	John Walmsley	Supervision of trenching
	Lordan Exploration (2 operators)	Initiate soils sampling, start washing trenches
October 17, 2017	MT Enterprise	Stripping highly trenched area, demob
	John Walmsley	Supervision of trenching
	Lordan Exploration (2 operators)	Soil sampling
October 18, 2017	Lordan Exploration (2 operators)	Soil sampling
October 19, 2017	Lordan Exploration (2 operators)	Soil sampling, washing trenches 1, 2 and 3
October 20, 2017	Lordan Exploration (2 operators)	Soil sampling, channel sampling trenches 1, 2 and 3
	John Walmsley	Mapping all trenches, laying out channel samples
October 21, 2017	Lordan Exploration (2 operators)	Soil sampling, channel sampling trenches 1, 2 and 3
October 22, 2017	Lordan Exploration (2 operators)	Soil sampling, channel sampling Shaft Trench and Trench 5
October 23, 2017	Lordan Exploration (2 operators)	Soil sampling, channel sampling Shaft Trench and Trench 5, demob from property

## Summary of Costs

**Table 3. Summary of Work Costs**

Contractor	Cost	Total with HST
MT Enterprises (includes personnel, equipment and travel)	\$4,940.00	\$5,582.20
Lordan Exploration Services (includes personnel, equipment and travel)	\$8,702.96	\$9,834.34
ALS – Soil Sample Analysis	\$4,680.58	\$5,289.06
ALS – Rock Sample Analysis	\$3,166.36	\$3,577.99
Penslnk Technical Services (J. Walmsley) (includes personnel, travel, report writing and map preparation, and sample shipping expenses)	\$6,194.56	\$6,999.85
<b>Total</b>	\$27,684.46	\$31,283.44

All work was carried out on claim 3013761.

## Discussion of Results

### ***Soil Geochem Survey***

Results of the soil geochem survey can be found in the appendices.

The results do not define any consistent trends across the property but there are some interesting anomalous areas. Significant areas include: west of the 2009 Boulder Trench; west of the 2009 BQ Trench; and an area between the Boulder Trench and the BQ Trench north-northwest of the 2017 trenches 1, 2 and 3. The sampling in the Boulder Trench area is too sparse to define an anomalous trend but it is the most significant area of this limited survey.

Results from around the Cymbal Shaft 2017 trenching and the eastern trenches 1, 2 and 3, though fairly consistently above detectable levels, did not return significant anomalies.

It is interesting to note that almost 75% of the samples from the survey are above the bottom detection limit.

**Table 4. Stats from Soil Geochem Survey**

	Value	Count	Percentage
Average (ppm)	0.004	245	100
Minimum (ppm)	<0.001 (below detection limit)	63	26
Maximum (ppm)	0.227	1	
Standard Deviation	0.0184		
Between 0.001 and 0.003 (ppm)		104	42
Between 0.003 and 0.005 (ppm)		10	4
Between 0.005 and 0.01 (ppm)		8	3
Between 0.01 and 0.1 (ppm)		5	2
Greater than 0.1 (ppm)		3	1

### ***Trenching, Channel Sampling***

Mapping of the eastern trenches 1, 2, 3 and Buried Trench was difficult because of the poor exposure. The lithology is mainly inferred from the description of the channel samples. Very few structural measurements were obtained. The trenches did however expose a significant alteration and deformation zone with a general east-northeast strike and steep dip. The deformation is observed in the samples taken but attitudes could not be determined.

The quartz veining is predominantly sugary type described by Pope (2016). Another type of vein, being milky-white, vuggy with sharp contacts oblique to the foliation, was also observed.

Sulphide mineralization observed in the samples includes pyrite, chalcopyrite and possibly sphalerite. On the whole, mineralization is fairly sparse and mainly associated with quartz veining being both in the quartz and in the host close to the vein contacts. Only in the Shaft Trench was pyrite observed in noticeable quantities.

Alteration includes iron carbonate, sericite and silicification.

A description of the channel samples and grab samples can be found in the appendices.

The 2 most significant results returned were from grab samples taken from the Cymbal Shaft (2.82g/t and 2.22g/t). A third grab sample from Trench #3 returned 0.897g/t.

The most consistently significant results from channel sampling came from the Shaft Trench (highest 0.635gt/1.0m) with Trench 5 being the next most consistent (highest 0.292gt/1m).

Maps of the channel and grab sample results can be found in the appendices.

Lab assay certificates can be found in the appendices.

## **Conclusions and Recommendations**

### ***Conclusions***

1. Though the soil geochemistry did not find significant results in the Cymbal Shaft area or the area of Trenches 1, 2 and 3, it did find anomalous results west of the Boulder Trench which also had anomalous Au from historical rock sampling. Overall the survey does appear to have worked though follow-up is required to confirm the results.
2. Stripping did expose significant deformation and alteration in trenches 1, 2 and 3 along with significant quartz veining. Mineralization was sparse and channel samples did not return any consistent results. The stripping exposed the zone over an east-northeast strike length of almost 100m
3. Stripping in the Cymbal Shaft area exposed the shear zone upon which the shaft was presumably sunk. Though low, the highest values returned from the channel sampling was from the Shaft Trench immediately west of the shaft. It appears that this shear zone is at the contact of a mafic intrusive and mafic metavolcanics.
4. Though the 2017 exploration did not discover any extreme results, this work and previous work indicates that structural, alteration, and lithology favorable for gold emplacement do exist and there is potential for a significant discovery.

### ***Recommendations***

1. As it appears that the soil geochem survey was successful, continuation of the survey to fill in the holes west of the Boulder Trench, south of Trenches 1, 2 and 3 and eastward to the west edge of the Reid Vein.

2. Re-establish the existing grid to be used as control for further work.
3. An IP survey is strongly recommended to at least cover the same area as the 2017 soil geochem survey and the continued survey recommended above. The mineralization observed in the Shaft Trench may be concentrated enough to produce an IP response. The alteration observed in Trenches 1, 2 and 3 could respond to a resistivity survey to help determine whether this zone can be traced to the Boulder Trench or eastward to the South Trench.
4. Detailed geological mapping/prospecting/sampling to try and define structural domains and alteration domains. One area of principal interest is the Boulder Trench area.
5. Compile all existing data and re-interpret existing property and regional geophysics to help define structure and lithology.
6. Based on the results of the above, define targets for possible diamond drilling.

## References

- Pope, Pat (2016) Old Cabin Project Prospecting Report, Jacobson Township, Ontario, MNDM Assessment Report (AFRI number not yet assigned)
- Walmsley, J. (2011) Assessment Report on a Mapping/Stripping Program, Jacobson Township, Sault Ste Marie Mining Division, Ontario; for Chalice Diamond Corp; in Ministry of Northern Development and Mines assessment work report files, AFRI number: 20009455
- Sage, R.P. (1993) Geology of Aguonie, Bird, Finan and Jacobson Townships, District of Algoma; Ontario Geological Survey, Open file Report 5588.
- Sage, R.P. (1990) Precambrian Geology, Jacobson Township; Ontario Geological Survey, Preliminary Map P.3170, scale 1:15,840
- Lake Godin Mining Syndicate (1938); Reid Property; in Ministry of Northern Development and Mines assessment work report, AFRI number: 42C08SW0148

## Certificate of Qualifications

I, John R. Walmsley, B.Sc., residing at RR #1, Richards Landing, Ontario, do certify that:

1. I am a contract geologist of PensInk Information Technologies Ltd.
2. I graduated with a Bachelor of Science in Geology from the University of Western Ontario in 1984.
3. I am a member of the Prospectors and Developers Association of Canada.
4. I have been employed continuously as a geologist for the past 33 years since my graduation from University
5. I have had prior involvement with the property that is the subject of the Assessment Report in conducting exploration work in 2009 and 2011
6. I completed portions of the work described in this report and supervised all other work completed and I am the sole author of this Technical Report
7. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

Dated this 27th day of December, 2017.

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John R. Walmsley, B.Sc.



**Appendix A – Claim Schedule**

Assessment Report on a Stripping Program, Jacobson Township

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Claim Number	Date Due	Recording Date	Required	Township/Area	GPlan	Units
1228575	12/05/2019	12/05/1998	\$2400	JACOBSON	M-1583	6
3013761	13/04/2019	13/04/2004	\$6000	JACOBSON	M-1583	15
3013762	13/04/2019	13/04/2004	\$1200	JACOBSON	M-1583	3
4218098	10/06/2019	10/06/2009	\$3600	JACOBSON	M-1583	9

**Appendix B – Sample Descriptions**

### Channel Sample Descriptions

Sample Number	Trench	Width (m)	Description
50101	Trench 1	1.00	mafic to intermediate volcanic (tuff?), medium light grey-green, moderately soft, easily scratched with a knife <1% py as disseminated patches and subhedral to euhedral crystals, some appear to be replacing host fragments weak foliation weak to locally mod sericite as light tan wisps mod rust to white carb alteration, no reaction to HCl non-magnetic
50102	Trench 1	1.00	mafic to intermediate volcanic (tuff?), medium light grey-green, moderately soft, easily scratched with a knife <1% py as disseminated patches and subhedral to euhedral crystals, some appear to be replacing host fragments weak foliation weak to locally mod sericite as light tan wisps mod rust to white carb alteration, no reaction to HCl non-magnetic
50103	Trench 1	1.00	mafic to intermediate volcanic (tuff?), medium light grey-green, moderately soft, easily scratched with a knife <1% py as disseminated patches and subhedral to euhedral crystals, some appear to be replacing host fragments weak foliation weak to locally mod sericite as light tan wisps mod rust to white carb alteration, no reaction to HCl non-magnetic
50104	Trench 1	1.00	as 50101 mod to strong shearing, brecciated at contacts with qv strong brown cb alteration near qc contacts, frags partially replaced by cb 20% qv, milky-white, barren with limonite coated vugs & cracks no visible min
50105	Trench 1	1.00	as 50101, strongly sheared, sample quite broken, no fresh faces silicified, strong tan ser, mod cb alteration - brown, weathered <1% very fine grained disseminated (vfgd) py in host 1-2% qtz patches
50106	Trench 1	1.00	more mafic in appearance than 50101, med grey-green, mod soft, no reaction to HCl 1% discontinuous, irreg chl filled fract 1-2% wispy tan ser? Leucoxene? Tr vfgd py blebs

Assessment Report on a Stripping Program, Jacobson Township

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Sample Number	Trench	Width (m)	Description
50107	Trench 1	1.00	as 50106 <1% very vfgd py as anhedral to subhedral crystals and blebs
50108	Trench 1	1.00	as 50106 3-5% vfgd black flecks (biotite?) tr py
50109	Trench 2	1.00	mafic to intermediate volcanic mod-strong ser/sil/cb alteration 15% qtz/cb 1% vfgd py as blebs, mainly in qtz, minor in host 1-2% chl clots in host mod foliation
50110	Trench 2	1.00	as 50109, faint brecciation, crackled 1-2% very vfgd py strong sil alt'n
50111	Trench 2	0.80	int to mafic volc, med grey-green mod-strong shear, local mod sil weak overall, mod to strong cb tr py
50112	Trench 2	1.00	75% qv, 25% host (too broken for descrip) qv milky-white with 10% limonite lined vigs qv with yellowish, cg cb patches tr vfg py in sheared host at contact with qv
50113	Trench 2	1.00	90% qv as 50112 qv barren, 15% cb 5% chl alt host inclusions no visible min.
50114	Trench 2	1.00	as 50112, 5% vfgd py in host along contacts and minor vfgd py as blebs and patches along fract in qtz
50115	Trench 2	1.00	mafic to int volcanic, fg, med grey-green, mod hard mod to strong cb alt'n, weak ser 3% qs' no visible min
50116	Trench 3	1.00	mafic volcanic, med grey-green, weak sh weak to mod ser, sil, cb sil patchy with locally up to 1% associated vfgd py <1% subhedral to anhedral py overall

Assessment Report on a Stripping Program, Jacobson Township

Sample Number	Trench	Width (m)	Description
50117	Trench 3	0.85	as 50116 local strong sh and sil with up tp 3% vfgd associated py and discontinuos py stringers no qs' patchy to perv cb alt'n
50118	Trench 3	0.05	intensely sheared, crenulated, sil host - laminated, poss mylonite? Strong sil and cb alt'n 5% vuggy qv, milky-white shearing near perpendicular to qv contact axis of crenulation oblique to qv contact <1% vfgd py as patches & subhedral crystals in host
50119	Trench 3	1.00	as 50118, less intense shearing patchy tan-brown cb with lighter, thin feathered reaction rims minor fg py patches
50120	Trench 3	1.00	assay duplicate of 50119
50121	Trench 3	1.00	as 50118, sheared but no crenulation 30% qtz/cb veining, cb as waxy off-white, cg patches in qtz 2 flecks of rust-brown patches along qtz contact - sphalerite?, no observable streak
50122	Trench 3	1.00	as 50118, mod shear, mod sil, no cren 25% qtz/cb veining, qtz milky-white transucent, cb as off-white waxy cg patches with rust-brown rims
50123	Trench 3	1.00	mafic-int volcanic, med grey-green, weak to mod chl alt'n 15% qtz/cb veinlets, cb as waxy patches in qtz with light tan-brown, thin rims mod sh, weak to mod cb, weak ser tr vfgd py in host
50124	Trench 3	1.00	as 50118/50122, strong chl alt'n, no crenulation <5% qtz/cb tr py in host
50125	Trench 3	0.85	sample quite broken strong sh, mafic volcanic strong chl/sil/cb.ser, no crenulation laminated alt'n tr py <5% milky-white qtz patches
50126	Trench 3	0.50	60% qtz/cb veining, 40% host as 50123 qtz is vuggy (weathered out cb patches) host quite broken, strongly sheared, strong chl alt'n tr py in host

Assessment Report on a Stripping Program, Jacobson Township

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Sample Number	Trench	Width (m)	Description
50127	Trench 3	1.00	60% qtz/cb, host weakly sh, less chl alt'd than 50126 cb as patches in qtz <1% vfgd py blebs and patches in qtz, no visible py in host host bleached within 1cm of qtz contact
50128	Trench 3	1.00	as mod sh, mod sil, no crenulation strong chl alt'n tr py
50129	Shaft Trench	1.00	mg, massive mafic volc, mod hard mod patchy to perv cb alt'n, ready mod reaction to HCl tr ubiquitous, fg-mg subhed-anhedral py 3 fg wispy leucoxene
50130	Shaft Trench	1.00	60% host as 50129 40% sil/cb/chl host, weak to mod sh patchy, ready reaction to HCl <1% vfgd py
50131	Shaft Trench	1.00	mafic volcanic, strong, perv cb alt'n, ready reaction to HCl, mod soft mod foliation perp to channel cut <1% vfgd med grain subhedral dissem py
50132	Shaft Trench	1.00	as 50131 5% discontinuous qtz stringers, some boudin qtz belbs qtz with rust cb qtz appears recrystallized, sugary tr py in host
50133	Shaft Trench	1.00	as 50129
50134	Shaft Trench	0.75	as 50129 very strong perv cb alt'n, strong ready reaction to HCl lineation perp to channel cut tr py
50135	Shaft Trench	1.00	mafic volcanic, sil/cb/chl alt'n, cb patchy react'n to HCl 15% qtz blebs, patches and discontinuous stringers sample quite broken fol weak to mod tr py as patches and vfgd both in host and qtz

Assessment Report on a Stripping Program, Jacobson Township

Sample Number	Trench	Width (m)	Description
50136	Shaft Trench	1.00	as 50129 weak sh, locally mod <5% boundined qtz patches, milky-white with rust cb satining tr py in host strong perv react'n to HCL
50137	Shaft Trench	0.50	as 50129, weak sh weak patchy cb no visible min
50138	Shaft Trench	1.00	as 50129 weak lineation/sh weak to strong perv react'n to HCl <1% diffuse cb stringers, very strong react'n to HCl trace ubiquitous py, vfd
50139	Shaft Trench	1.00	as 50129/50138, sample quite broken
50140	Shaft Trench	1.00	sample duplicate of 50139
50141	Shaft Trench	1.00	25% as 50129/50138, 65% broken, mod sh, mod sil host 10% qtz patches and disctinuous stringers, qtz appears recryst, sugary weak to mod react'n to HCl along fract in qtz <1% fgd subhedral py and py patches in hostno visible min in qtz
50142	Shaft Trench	1.00	as 50129/50138 minor disc, irreg cb stringers, strong react'n to HCl weak lin/sh tr py
50143	Shaft Trench	1.00	mg mfic volc, quite soft, strong chl alt'n weak patchy reaction to HCl, 5% cb 1-2% fg wispy leucoxene tr py
50144	Trench 5	1.00	mafic volc, fg-mg, mod dark grey-green weak to mod patchy react'n to HCl fairly soft, non-magn tr fg subhedral, ubiquitous py
50145	Trench 5	1.00	as 50144
50146	Trench 5	1.00	sample quite broken, as 50147 strong sh minor qtz/cb



Assessment Report on a Stripping Program, Jacobson Township

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Sample Number	Trench	Width (m)	Description
50147	Trench 5	1.00	sample quite broken strong chl alt'n, very soft, strong sh
	Trench 5	1.00	more competent pieces as 50144 5% irreg qtz/cb stringers <1% vfgd py in host along qtz contacts
50148	Trench 5	1.00	mafic volc, strong chl, cb alt'n, strong sh cb oth ank (rust to tan coloured) with delayed, weak react'n to HCl and cbv with mod ready react'n to HCl sample quite broken 5-10% qtz/cb, qtz recryst, sugary tr py in host

## Grab Sample Descriptions

Sample Number	Date (2017)	Description
138016	Sept 14	old trench west of Cymbal shaft mafic volcanic, med dark grey-greenm, fg, , mod to strong sh almost schistose mod soft weak spotty react'n to HCl strong chl alt'n, especially along shear faces 3% qtz/cb stringers minor vfgd py
138017	Sept 14	as 139016
138018	Sept 14	Cymbal shaft rubble mafic volcanic, med dark grey green, mod soft strongly sheared weak spoty reaction to HCL, mod stretched patches of ank alt'n 3-5% fg brown mica <1% vfgd py
138019	Sept 14	Cymbal shaft east wall as 138018 mafic volcaninc, strong chl alt'n, strong, ready react'n to HCl, cb perv and as irreg discontinuous stringers minor qtz assoc. with cb stringers tr py mod sh
138020	Sept 14	Cymbal shaft west wall as 138019 strong sh rust brown ank cb plus spotty to perv ready react'n to HCl
138021		tag discarded
138022	Sept 27	grab from west wall of old trench beside Trench 3 qv, milky-white, translucent 5-10% brown cb patches, slow weak react'n to HCl minor weak ready react'n to HCl along fract 5-10% chl alt'd host inclusions no visible min

Assessment Report on a Stripping Program, Jacobson Township

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Sample Number	Date (2017)	Description
138023	Oct 17	grab from Trench 3, unknown location within trench mafic to int volc, sh mod cb/chl alt'n, weak sil fairly soft tr vfgd py
138024	Oct 17	grab from Trench 3 65% qv as 138022, 35% host as 138023
138025	Oct 17	grab from Trench 3 as 138023 15% qtz/cb veining, cb as cg, off-white to tan patches in qtz host strong sh, strong cb alt'n, weak sil
138026	Oct 17	grab from Trench 3 grab from trench 3 from escavtor strong sh/crenulated strong sil/cb/ser, weak spotty react'n to HCl <1% vfgd py light grey-green, translucent in parts
138027	Oct 17	as 138026
138028	Oct 17	as 138026
138029	Oct 17	grab from Trench 2 north end (buried part of trench) cg mafic volc (gb?) strong chl alt'n non-magnetic mod cb patches, no react'n to HCl mod lineation tr vfgd ubiquitous py
138030	Oct 17	grab from Trench 2 as 138029
138031	Oct 17	grab from Trench 2 as 138029, strong rust weather rhine

# Assessment Report on a Stripping Program, Jacobson Township

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Sample Number	Date (2017)	Description
138032	Oct 17	grab from Trench 2 qv, 3-4cm, milky-white translucent 5-10% cg ank patches, rust weathered 5% chl/ser alt'd host along contacts minor vfgd py in qtz poss spec cpy in qtz
138033	Oct 17	grab from Trench 2 mfic to int volcanic, mod sh, mod chl alt'n, weak cb/sil alt'n tr py
138034	Oct 17	grab from Trench 2 qv as 138032

**Appendix C – Assay Certificates and QC Certificate of Analysis (ALS)**



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

To: **COMSTOCK METALS LTD.**  
**310 - 850 WEST HASTINGS STREET**  
**VANCOUVER BC V6C 1E1**

Page: 1  
 Total # Pages: 3 (A - D)  
 Plus Appendix Pages  
 Finalized Date: 28- NOV- 2017  
 Account: COMSTOM

**CERTIFICATE TB17253553**

Project: Old Cabin

This report is for 66 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 14- NOV- 2017.

The following have access to data associated with this certificate:

DAVID TERRY	JOHN WALMSLEY
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 32d	Pulverize Split - Dup 85% <75um
DRY- 22	Drying - Maximum Temp 60C
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 32	Fine Crushing 90% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
BAG- 01	Bulk Master for Storage

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
ME- MS61	48 element four acid ICP- MS
Au- AA24	Au 50g FA AA finish <span style="float: right;">AAS</span>

To: **COMSTOCK METALS LTD.**  
**ATTN: JOHN WALMSLEY**  
**310 - 850 WEST HASTINGS STREET**  
**VANCOUVER BC V6C 1E1**

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

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager



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 2103 Dollarton Hwy  
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 Account: COMSTOM

Project: Old Cabin

**CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA24	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
50101		2.59	0.010	0.06	8.36	6.4	310	0.87	0.09	1.17	0.07	52.5	15.8	27	1.27	56.8
50102		2.49	0.010	0.04	7.85	5.4	250	0.64	0.07	1.45	0.11	52.9	14.6	32	1.08	33.8
50103		2.33	0.022	0.17	8.26	8.0	320	0.75	0.18	1.42	0.17	59.4	28.4	37	1.23	69.2
50104		2.45	0.011	0.05	10.25	6.2	450	1.06	0.09	0.85	0.11	53.1	17.2	30	1.89	45.2
50105		2.61	0.013	0.06	8.26	7.4	440	0.81	0.11	2.49	0.10	47.6	15.6	33	1.48	41.5
50106		1.85	0.009	0.09	8.75	21.8	380	0.55	0.05	1.49	0.13	20.8	41.6	184	1.31	118.5
50107		1.87	0.012	0.10	8.65	15.6	290	0.36	0.07	1.49	0.11	12.30	58.5	254	0.95	132.5
50108		3.55	0.006	0.09	6.97	6.8	170	0.40	0.01	4.42	0.19	7.85	44.1	199	0.52	124.0
50109		2.45	0.064	0.14	7.14	5.2	310	0.78	0.12	3.49	0.24	49.6	18.1	45	1.70	128.0
50110		3.35	0.133	0.10	7.06	6.5	420	0.76	0.12	2.40	1.11	43.5	16.4	37	2.10	78.8
50111		2.18	0.018	0.06	7.94	4.3	430	0.83	0.06	2.43	0.21	60.7	16.0	59	2.12	56.6
50112		1.46	0.009	0.04	4.61	1.1	260	0.38	0.01	1.44	0.23	26.2	4.5	21	1.51	44.8
50113		2.28	<0.005	0.01	1.02	2.2	50	0.09	0.01	0.25	0.07	3.97	2.8	25	0.41	7.2
50114		1.75	0.016	0.16	4.09	3.4	220	0.36	0.03	1.70	0.15	9.35	11.7	55	1.20	202
50115		2.91	<0.005	<0.01	9.66	0.2	630	0.95	0.01	2.65	0.05	24.1	24.0	85	2.47	11.2
50116		3.06	0.097	0.04	7.43	3.1	440	1.28	0.01	3.39	0.12	29.7	14.0	8	2.17	40.2
50117		2.54	0.024	0.17	7.46	7.9	270	1.00	0.22	3.05	1.17	54.8	18.9	46	1.61	83.4
50118		2.04	0.018	0.07	7.66	3.2	410	1.03	0.09	0.62	0.28	44.0	6.6	10	2.44	42.5
50119		2.40	0.110	0.17	6.79	7.7	390	0.83	0.18	0.73	1.20	44.1	17.3	12	2.19	137.5
50120		<0.02	0.056	0.17	6.97	7.6	400	0.84	0.18	0.71	1.17	43.8	17.6	13	2.26	136.0
50121		2.44	0.039	0.13	6.20	6.7	370	0.78	0.22	1.53	1.29	34.2	14.9	16	2.05	74.7
50122		2.97	0.008	0.03	6.13	1.8	280	0.77	0.03	1.42	0.54	50.3	10.9	54	1.76	62.9
50123		2.23	0.010	0.06	9.51	2.6	570	0.97	0.02	1.32	0.16	52.9	19.2	56	2.84	83.1
50124		2.51	0.016	0.12	7.82	4.7	440	0.73	0.08	2.77	0.20	16.70	30.2	124	1.77	113.5
50125		1.54	0.064	0.21	7.44	14.5	370	0.89	0.33	0.98	0.91	52.1	27.8	23	2.17	141.5
50126		1.38	0.013	0.06	4.74	2.7	260	0.60	0.08	0.30	0.07	33.4	8.9	32	1.58	34.9
50127		2.23	0.021	0.19	8.06	8.3	380	0.87	0.12	1.37	0.15	42.7	38.7	75	2.19	111.5
50128		2.04	0.015	0.10	8.37	1.7	380	0.67	0.02	3.47	0.24	10.45	42.5	197	1.68	185.0
50129		3.66	0.008	0.02	8.48	14.1	90	0.32	0.02	4.56	0.11	8.34	33.7	34	0.42	9.0
50130		2.74	0.107	0.11	8.86	8.0	250	0.66	0.03	2.93	0.14	9.44	35.5	25	1.34	19.7
50131		3.10	0.219	0.01	8.57	0.6	230	0.70	0.03	3.40	0.06	8.92	31.9	3	1.35	13.3
50132		2.47	0.365	0.02	7.71	1.5	210	0.67	0.03	2.56	0.10	8.97	42.7	3	1.05	15.3
50133		2.43	0.095	0.01	7.39	27.6	150	0.56	0.04	3.04	0.06	8.93	46.0	2	0.68	11.4
50134		2.08	0.005	0.01	8.16	17.4	40	0.26	0.03	4.99	0.05	8.73	33.9	33	0.27	11.4
50135		3.04	0.635	0.28	8.26	1.2	340	0.68	0.04	1.88	0.08	9.94	34.6	26	1.84	36.1
50136		2.42	0.323	0.02	8.49	1.7	320	0.76	0.03	2.52	0.13	10.90	43.0	17	1.70	32.1
50137		1.87	0.020	0.01	7.80	2.4	200	0.56	0.04	1.44	0.07	9.93	47.2	2	0.99	20.6
50138		2.78	0.012	0.05	7.04	1.6	30	0.33	0.03	3.44	0.08	8.96	44.1	1	0.18	40.0
50139		3.52	0.007	0.06	6.97	2.0	10	0.24	0.03	4.67	0.51	7.77	44.0	1	0.14	38.6
50140		<0.02	0.006	0.07	7.15	3.3	10	0.24	0.03	4.83	0.55	8.81	46.9	1	0.14	39.6



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**CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
50101		2.71	22.1	0.22	3.4	0.033	0.86	24.1	20.9	0.71	253	1.82	1.68	4.4	27.3	840
50102		3.45	21.6	0.15	3.3	0.039	0.72	24.4	24.6	1.06	473	0.56	1.47	4.0	38.0	850
50103		3.94	21.1	0.18	3.2	0.049	0.95	27.8	19.9	0.96	733	1.15	1.62	3.4	34.3	900
50104		2.68	24.8	0.11	3.5	0.044	1.40	21.8	18.4	0.51	503	0.86	1.91	4.4	25.8	930
50105		3.15	19.95	0.18	3.0	0.032	1.29	20.6	12.3	1.10	752	0.84	1.76	3.4	26.8	820
50106		6.77	19.70	0.09	1.4	0.063	1.08	11.5	27.9	2.13	997	0.28	1.04	2.1	65.2	480
50107		9.91	19.10	0.07	1.3	0.063	0.78	7.3	32.3	3.34	1150	0.37	0.58	1.8	104.5	360
50108		9.10	15.50	0.05	0.9	0.065	0.45	3.6	28.7	4.05	1420	0.22	0.62	1.9	86.9	310
50109		3.44	19.70	0.07	3.7	0.062	1.60	21.7	9.6	0.77	774	0.71	1.27	1.9	40.3	810
50110		3.01	21.4	0.12	3.8	0.099	2.16	20.4	5.4	0.59	667	2.02	0.77	2.0	32.1	690
50111		3.93	22.1	0.14	4.1	0.062	2.16	26.8	8.7	0.64	999	0.56	1.01	1.6	51.8	1030
50112		2.48	12.80	0.10	3.3	0.056	1.35	12.6	4.8	0.36	676	0.91	0.41	2.1	14.8	240
50113		1.31	3.07	0.05	0.4	0.012	0.26	1.9	2.2	0.16	241	0.56	0.07	0.3	8.9	90
50114		2.43	10.70	0.07	1.5	0.049	1.17	4.7	4.7	0.74	472	0.96	0.28	1.5	31.8	340
50115		5.12	26.7	0.09	2.8	0.036	3.12	10.6	17.7	2.15	686	0.40	0.53	2.3	66.0	620
50116		3.76	21.6	0.14	4.0	0.044	2.13	12.9	13.6	0.88	1020	0.26	0.97	3.1	17.1	650
50117		3.92	20.0	0.18	3.8	0.130	1.52	28.1	15.4	1.23	912	1.20	0.93	2.8	49.3	840
50118		2.06	19.30	0.20	5.1	0.077	2.42	25.3	9.7	0.45	533	1.09	0.57	4.8	10.9	460
50119		2.50	17.50	0.18	4.8	0.159	2.29	24.9	4.2	0.28	603	1.41	0.44	4.1	21.1	410
50120		2.54	17.70	0.17	4.7	0.152	2.36	24.9	4.1	0.28	608	1.54	0.46	4.0	21.3	410
50121		2.43	15.80	0.15	3.6	0.157	2.12	16.2	3.8	0.34	469	1.22	0.37	2.8	18.3	390
50122		3.14	14.80	0.21	2.9	0.058	1.52	25.9	9.6	0.75	762	0.44	0.77	1.4	35.7	670
50123		5.35	25.7	0.17	4.5	0.093	2.86	25.4	20.0	1.60	697	0.70	0.46	2.7	49.1	570
50124		6.48	18.95	0.14	2.3	0.104	1.86	7.5	25.7	2.36	933	0.73	0.24	2.3	77.2	430
50125		3.86	19.75	0.15	5.1	0.178	2.22	25.3	10.3	0.66	603	1.62	0.49	4.4	39.6	490
50126		1.99	11.45	0.14	2.6	0.036	1.40	16.3	4.6	0.28	616	0.78	0.39	1.7	15.9	440
50127		5.49	19.30	0.15	3.3	0.061	2.04	22.8	15.5	1.36	844	0.86	0.65	1.7	67.4	620
50128		9.87	21.0	0.12	1.5	0.082	1.73	5.7	34.6	3.39	1910	0.24	0.29	2.4	116.0	370
50129		9.38	19.35	0.09	0.8	0.073	0.35	3.1	16.5	2.11	1380	0.27	2.96	2.2	36.4	370
50130		9.49	21.9	0.10	1.0	0.090	1.59	3.2	19.9	2.12	1290	0.21	1.50	2.3	32.4	320
50131		9.56	21.5	0.11	1.0	0.080	1.74	2.9	15.9	1.87	1260	0.15	1.37	2.7	14.6	190
50132		11.40	20.9	0.09	1.4	0.089	1.43	2.9	14.5	2.21	1430	0.25	0.24	2.6	8.0	400
50133		12.45	21.0	0.08	1.0	0.097	0.77	2.9	15.4	2.52	1580	0.22	0.65	3.0	2.8	530
50134		9.18	19.20	0.10	0.9	0.064	0.21	3.2	17.3	2.19	1330	0.33	3.04	2.2	37.1	350
50135		9.19	20.4	0.08	0.8	0.074	2.13	3.4	15.9	1.96	1180	0.36	0.19	1.9	31.4	360
50136		10.65	22.0	0.09	1.0	0.100	2.16	3.8	15.9	2.02	1440	0.45	0.22	2.7	24.2	420
50137		12.75	22.5	0.09	1.1	0.094	1.19	3.1	14.7	2.20	1700	0.18	0.52	3.5	4.8	420
50138		12.55	20.8	0.08	0.9	0.091	0.11	2.8	12.5	2.10	1910	0.17	1.65	3.3	2.4	430
50139		12.35	20.0	0.07	0.9	0.092	0.03	2.5	11.0	2.05	1900	0.14	1.80	3.0	2.1	480
50140		12.65	20.5	0.08	1.0	0.095	0.03	2.8	11.2	2.09	1980	0.13	1.86	3.2	2.1	480





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**CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
50101		3.5	21.6	<0.002	0.86	0.19	10.4	1	1.0	268	0.35	0.05	2.97	0.254	0.19	0.6
50102		3.3	18.0	0.002	0.53	0.19	10.3	1	0.8	231	0.30	0.07	2.89	0.225	0.13	0.6
50103		4.0	22.8	<0.002	0.56	0.25	10.9	1	1.0	229	0.26	0.15	2.87	0.206	0.17	0.6
50104		3.9	32.0	<0.002	0.20	0.18	8.8	1	1.4	293	0.33	0.11	3.31	0.263	0.27	0.6
50105		2.7	27.5	0.002	0.31	0.19	9.3	<1	0.9	211	0.26	0.10	2.56	0.217	0.22	0.5
50106		2.3	26.0	<0.002	0.33	0.23	36.8	1	0.8	154.5	0.12	0.05	0.95	0.343	0.21	0.2
50107		2.0	18.9	<0.002	0.33	0.17	45.4	1	0.6	91.7	0.10	0.11	0.45	0.393	0.14	0.1
50108		1.0	10.7	<0.002	0.07	0.12	36.5	1	0.4	82.4	0.14	<0.05	0.25	0.435	0.08	<0.1
50109		4.2	36.0	0.002	0.66	0.11	8.7	2	0.9	176.0	0.13	0.20	3.61	0.202	0.33	0.8
50110		3.6	51.1	<0.002	0.72	0.12	8.3	2	0.9	140.0	0.17	0.24	3.34	0.180	0.40	0.8
50111		3.7	48.8	<0.002	0.20	0.12	10.8	1	0.8	150.5	0.10	0.07	4.30	0.217	0.37	0.9
50112		2.2	34.4	<0.002	0.01	0.11	5.4	<1	1.5	75.4	0.18	<0.05	2.37	0.094	0.23	0.6
50113		0.5	6.8	<0.002	<0.01	0.07	1.4	1	0.2	11.5	<0.05	<0.05	0.19	0.018	0.07	0.1
50114		1.9	28.9	<0.002	0.10	0.13	6.6	1	0.9	56.7	0.10	0.10	1.24	0.123	0.21	0.3
50115		1.9	47.2	0.003	<0.01	0.09	18.3	<1	1.1	101.5	0.17	<0.05	1.47	0.268	0.51	0.4
50116		2.8	41.9	<0.002	0.18	0.08	12.6	<1	0.9	157.5	0.25	<0.05	1.63	0.230	0.41	0.4
50117		5.5	38.6	0.003	0.63	0.13	10.2	1	1.7	189.5	0.20	0.31	3.84	0.302	0.28	0.9
50118		3.6	63.0	<0.002	0.15	0.09	8.7	<1	1.8	131.5	0.41	0.15	3.36	0.241	0.46	0.9
50119		4.0	60.8	<0.002	0.93	0.13	6.9	1	1.8	99.9	0.39	0.34	3.60	0.168	0.44	0.9
50120		4.2	62.0	<0.002	0.94	0.13	7.1	1	1.8	101.0	0.37	0.43	3.60	0.167	0.46	1.0
50121		3.9	56.7	<0.002	1.00	0.15	6.1	1	1.4	89.2	0.24	0.42	2.63	0.157	0.42	0.7
50122		2.7	41.4	0.002	0.09	0.07	8.2	<1	0.9	98.2	0.09	<0.05	3.29	0.189	0.32	0.7
50123		2.6	74.1	0.002	0.05	0.09	16.8	<1	1.9	107.5	0.24	<0.05	3.51	0.239	0.52	0.7
50124		2.1	32.1	<0.002	0.18	0.11	29.6	1	1.1	74.3	0.16	0.13	1.01	0.375	0.33	0.3
50125		4.8	58.9	0.002	1.45	0.14	8.0	2	2.0	113.5	0.38	0.68	4.24	0.180	0.45	1.1
50126		2.5	38.9	0.002	0.25	0.10	5.4	1	0.9	68.2	0.14	0.09	2.22	0.121	0.28	0.5
50127		3.9	53.1	0.002	0.79	0.11	14.8	1	1.2	104.0	0.13	0.23	3.16	0.199	0.41	0.7
50128		1.9	23.8	0.002	0.03	0.13	45.0	<1	1.2	77.0	0.14	<0.05	0.40	0.515	0.38	0.2
50129		0.6	7.4	0.003	0.02	0.08	33.7	<1	0.5	105.0	0.14	<0.05	0.28	0.909	0.03	0.1
50130		1.0	25.4	0.002	0.07	0.15	39.6	<1	0.6	91.8	0.15	<0.05	0.28	0.987	0.13	0.1
50131		1.2	31.0	<0.002	0.20	0.08	37.5	1	0.5	107.0	0.18	<0.05	0.32	1.035	0.15	0.1
50132		0.8	27.0	0.003	0.27	0.07	42.5	<1	0.4	69.9	0.18	<0.05	0.29	1.250	0.11	0.1
50133		0.9	15.1	<0.002	0.33	0.13	46.9	<1	0.5	59.0	0.20	<0.05	0.31	1.490	0.07	0.1
50134		0.5	4.1	<0.002	0.02	0.08	33.7	<1	0.3	103.0	0.14	<0.05	0.27	0.851	0.03	0.1
50135		0.9	41.7	0.003	0.25	0.11	33.8	<1	0.5	72.5	0.13	<0.05	0.27	0.874	0.19	0.1
50136		1.0	45.4	<0.002	0.29	0.10	41.2	<1	0.5	78.6	0.17	0.05	0.32	1.190	0.19	0.1
50137		1.1	23.6	<0.002	0.26	0.08	51.5	1	0.5	51.7	0.23	<0.05	0.37	1.585	0.11	0.1
50138		0.6	2.3	<0.002	0.16	0.08	47.6	<1	0.3	65.6	0.22	<0.05	0.28	1.410	0.02	<0.1
50139		0.6	0.7	<0.002	0.17	0.09	44.6	1	0.3	71.0	0.19	<0.05	0.26	1.345	0.02	<0.1
50140		0.7	0.6	<0.002	0.17	0.10	45.8	<1	0.3	73.9	0.20	<0.05	0.26	1.435	<0.02	<0.1



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Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
50101		80	0.2	8.2	63	131.5
50102		78	0.2	8.7	96	127.5
50103		81	0.3	8.7	82	120.5
50104		81	0.5	6.8	46	133.0
50105		76	0.4	6.7	52	114.0
50106		248	0.6	7.4	132	51.7
50107		316	0.9	7.0	171	39.7
50108		266	0.4	5.1	124	28.0
50109		90	1.4	8.0	126	142.5
50110		86	1.5	8.4	350	145.5
50111		95	1.0	10.2	129	155.5
50112		33	2.2	6.5	100	127.5
50113		12	0.2	1.3	38	13.3
50114		52	1.7	3.2	90	58.3
50115		157	1.2	5.3	207	108.5
50116		105	1.7	9.3	86	152.5
50117		79	0.9	9.7	340	140.0
50118		54	1.3	11.0	117	190.5
50119		34	1.0	10.0	346	171.5
50120		35	1.1	10.2	355	176.0
50121		34	0.8	7.4	350	130.0
50122		73	0.9	7.0	201	108.5
50123		117	1.3	7.9	246	165.0
50124		218	1.7	6.2	246	83.5
50125		45	1.1	10.5	352	190.5
50126		43	1.0	6.3	48	96.8
50127		124	1.2	7.3	189	125.0
50128		295	3.3	5.8	413	56.2
50129		389	1.3	20.0	90	33.0
50130		434	18.9	18.1	89	35.7
50131		338	12.0	16.8	97	41.0
50132		228	18.2	16.0	102	35.7
50133		185	12.3	15.3	79	39.5
50134		368	4.8	19.6	86	36.2
50135		374	9.7	16.8	77	30.0
50136		348	13.9	18.5	90	39.9
50137		206	6.3	17.4	94	46.4
50138		170	5.3	18.6	103	41.8
50139		167	4.5	14.9	138	36.6
50140		172	4.9	15.4	141	33.1



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- AA24	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
		0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	1	0.05	0.2	
50141		2.77	0.071	0.04	6.36	1.6	20	0.26	0.02	3.55	0.09	6.89	36.0	3	0.23	30.6
50142		3.27	0.080	0.02	6.71	9.6	30	0.29	0.03	3.78	0.08	9.28	43.3	2	0.29	27.1
50143		2.42	0.009	0.01	7.48	2.4	20	0.34	0.02	3.47	0.07	9.01	29.7	16	0.23	8.4
50144		3.15	<0.005	0.02	8.05	8.3	100	0.27	0.02	4.77	0.06	8.82	30.8	8	0.43	19.2
50145		4.05	0.009	0.03	7.81	10.2	180	0.29	0.02	3.28	0.08	8.18	38.4	10	0.68	34.7
50146		2.47	0.054	0.04	8.38	1.3	460	0.67	0.02	1.29	0.14	10.95	44.9	11	1.72	59.4
50147		2.36	0.136	0.05	8.87	1.5	490	0.69	0.02	0.95	0.20	14.40	42.2	8	1.99	37.1
50148		2.99	0.292	0.05	6.51	13.4	390	0.53	0.03	1.96	0.97	9.37	27.2	8	1.25	23.9
138016		1.46	0.014	0.01	8.07	1.2	90	0.28	0.02	3.90	0.04	9.59	39.3	11	0.28	23.6
138017		2.15	0.007	0.01	8.02	4.6	380	0.39	0.02	5.99	0.04	9.75	34.5	10	0.89	23.8
138018		2.16	2.82	0.22	9.04	718	480	1.12	0.07	2.06	0.06	4.10	52.1	3	2.57	116.0
138019		1.44	2.22	0.21	7.11	7.7	190	0.65	0.03	6.10	0.08	10.30	34.4	3	1.06	26.3
138020		0.91	0.161	0.02	7.92	5.8	250	0.55	0.03	7.00	0.08	9.88	31.1	2	1.33	21.1
138022		0.89	0.018	0.11	0.70	2.1	30	0.06	0.06	1.31	0.67	3.39	3.7	20	0.37	61.9
138023		1.24	0.007	0.04	7.00	1.6	440	0.86	0.05	0.21	0.36	34.1	5.8	9	2.61	21.9
138024		1.59	0.897	0.17	1.55	2.2	80	0.20	0.04	4.12	1.26	18.55	2.3	19	0.66	217
138025		1.36	0.024	0.13	3.35	1.8	220	0.37	0.02	3.93	0.48	357	15.6	15	1.29	149.0
138026		1.52	0.012	0.07	6.76	3.8	410	0.80	0.10	0.27	0.39	50.3	7.1	7	2.44	39.3
138027		1.72	0.031	0.26	8.16	12.4	380	1.12	0.25	1.89	0.88	68.3	27.3	41	2.21	162.5
138028		1.76	0.048	0.23	6.39	11.3	340	0.82	0.30	0.78	0.60	35.4	20.7	13	2.06	92.3
138029		0.58	0.008	0.07	7.85	2.3	240	0.67	0.09	1.21	0.11	50.5	14.6	27	0.93	10.0
138030		1.72	<0.005	0.04	7.53	1.3	90	0.36	0.02	1.21	0.07	42.0	9.1	23	0.40	132.5
138031		1.03	0.051	0.30	8.24	10.4	250	0.65	0.12	1.00	0.24	37.7	26.3	57	0.98	37.5
138032		1.88	0.005	0.03	1.24	0.8	70	0.15	0.01	4.61	1.18	9.87	1.5	19	0.55	50.0
138033		2.36	0.057	0.17	8.13	13.5	210	0.68	0.09	2.07	0.15	48.7	27.4	54	0.93	36.2
138034		2.46	<0.005	<0.01	0.38	0.8	20	<0.05	0.01	0.30	0.06	5.13	1.8	22	0.21	4.9



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Project: Old Cabin

**CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Fe %	Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm
50141		11.25	17.95	0.07	0.7	0.072	0.03	2.3	10.0	1.90	1740	0.15	1.58	2.5	2.1	470
50142		11.70	19.55	0.06	0.9	0.081	0.06	3.0	9.4	2.02	1930	0.17	1.75	3.0	2.8	520
50143		8.92	18.50	0.06	1.6	0.077	0.05	3.1	11.9	2.19	1380	0.20	2.68	2.6	13.8	640
50144		9.39	18.95	0.07	1.1	0.067	0.40	3.3	11.9	1.88	1400	0.14	2.75	2.6	23.0	470
50145		9.69	19.30	0.06	1.1	0.074	0.74	3.0	13.3	2.00	1320	0.15	2.06	2.6	30.5	460
50146		10.45	21.3	0.10	0.9	0.086	2.26	3.9	14.0	1.91	1520	0.28	0.24	3.2	30.1	510
50147		10.50	21.6	0.10	1.1	0.093	2.38	4.9	14.1	1.97	1500	0.25	0.34	3.6	32.9	460
50148		7.89	16.05	0.08	1.0	0.075	1.54	3.0	10.1	1.71	1160	0.31	0.31	2.4	15.6	290
138016		10.00	18.65	0.08	1.1	0.075	0.25	3.4	10.2	2.08	1310	0.20	2.72	2.8	28.2	450
138017		9.77	19.05	0.08	1.1	0.072	1.10	3.4	11.9	2.02	1460	0.20	1.53	2.7	27.7	470
138018		9.45	25.2	0.10	1.1	0.094	4.04	1.3	8.1	0.48	598	0.47	0.30	2.3	19.2	550
138019		8.75	19.05	0.07	0.9	0.062	1.38	3.7	10.4	1.71	1280	0.68	0.33	2.7	15.4	420
138020		8.59	20.1	0.09	0.9	0.072	1.90	3.3	11.8	1.66	1410	0.27	0.58	2.5	10.9	450
138022		1.12	1.90	0.05	0.5	0.067	0.21	2.1	1.2	0.10	446	0.73	0.05	0.4	4.5	290
138023		1.53	18.25	0.11	5.0	0.044	2.51	17.0	5.3	0.35	411	0.94	0.37	3.7	8.8	310
138024		1.22	3.98	0.09	1.2	0.158	0.49	9.4	1.2	0.15	899	0.78	0.13	1.0	4.0	100
138025		5.17	10.80	0.39	1.9	0.099	1.11	153.0	2.1	0.84	1710	1.03	0.22	1.0	29.3	1080
138026		1.25	18.30	0.11	5.6	0.081	2.52	25.7	3.2	0.18	221	1.42	0.40	3.9	8.4	230
138027		3.28	22.5	0.17	4.8	0.152	2.18	36.3	8.7	0.69	779	4.25	0.77	4.6	35.4	920
138028		2.54	15.90	0.11	4.8	0.111	2.10	18.5	4.7	0.29	470	1.70	0.47	3.5	22.7	280
138029		2.85	20.3	0.13	2.9	0.032	0.80	24.3	9.2	0.87	499	0.32	3.97	3.1	25.1	810
138030		2.72	15.05	0.12	3.5	0.031	0.29	19.2	9.1	0.90	547	0.42	4.73	3.0	17.8	700
138031		5.44	20.4	0.12	2.6	0.037	0.83	20.4	14.3	0.94	1250	1.20	3.35	2.2	47.4	720
138032		2.67	3.64	0.06	0.9	0.098	0.37	4.8	1.0	0.52	1010	0.72	0.13	0.4	5.4	80
138033		4.94	19.20	0.11	2.8	0.035	0.83	21.9	13.6	1.18	1300	1.16	3.03	2.2	48.0	960
138034		1.23	1.00	<0.05	0.1	0.015	0.06	2.6	0.5	0.04	276	0.50	0.07	0.2	2.9	60



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Project: Old Cabin

CERTIFICATE OF ANALYSIS TB17253553
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Sample Description	Method Analyte Units LOR	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
		0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
50141		<0.5	1.2	<0.002	0.14	0.07	39.4	<1	0.3	56.6	0.16	<0.05	0.20	1.180	<0.02	<0.1
50142		0.6	1.9	0.002	0.17	0.10	44.1	<1	0.4	61.5	0.20	<0.05	0.27	1.405	<0.02	0.1
50143		0.6	1.7	<0.002	0.05	0.08	34.9	<1	0.6	71.2	0.17	<0.05	0.33	1.100	<0.02	0.1
50144		0.5	8.7	0.002	0.05	0.06	33.1	<1	0.4	78.7	0.17	<0.05	0.30	0.970	0.03	0.1
50145		0.5	13.4	0.002	0.06	0.08	32.3	1	0.6	67.5	0.16	<0.05	0.28	0.956	0.07	0.1
50146		0.9	40.6	0.002	0.05	0.11	37.6	<1	0.6	38.2	0.19	<0.05	0.33	1.080	0.21	0.1
50147		1.6	46.5	<0.002	0.06	0.17	38.6	<1	0.7	30.6	0.20	<0.05	0.43	1.100	0.22	0.1
50148		3.4	29.9	<0.002	0.23	0.08	25.7	<1	0.4	30.8	0.15	<0.05	0.36	0.786	0.12	0.1
138016		<0.5	5.2	0.003	0.07	0.10	33.8	<1	0.5	50.7	0.18	<0.05	0.28	1.010	<0.02	0.1
138017		<0.5	20.9	0.003	0.10	0.09	34.6	<1	0.5	57.2	0.17	<0.05	0.26	1.020	0.09	0.1
138018		6.8	70.9	0.004	5.92	0.44	33.6	3	0.7	118.5	0.16	0.09	0.26	1.005	0.30	0.1
138019		3.2	27.7	0.003	0.55	0.17	29.5	<1	0.5	126.5	0.19	<0.05	0.27	0.898	0.13	0.1
138020		1.4	38.8	0.004	0.40	0.11	31.1	<1	0.4	137.0	0.17	<0.05	0.24	0.907	0.17	0.1
138022		1.5	5.3	<0.002	0.12	0.10	0.9	<1	0.2	20.9	<0.05	0.06	0.31	0.021	0.04	0.1
138023		3.6	69.1	<0.002	0.11	0.11	6.5	<1	1.4	87.7	0.34	0.10	3.60	0.163	0.47	0.8
138024		3.3	12.9	<0.002	0.09	0.10	1.4	1	0.5	70.1	0.09	0.06	0.94	0.036	0.10	0.2
138025		2.8	29.1	<0.002	0.03	0.11	8.2	<1	0.7	61.7	0.10	<0.05	3.85	0.049	0.21	0.4
138026		3.5	68.6	0.002	0.40	0.11	5.4	1	1.6	95.4	0.34	0.24	3.80	0.142	0.50	0.9
138027		6.9	53.9	0.005	0.83	0.18	11.3	1	1.8	176.0	0.37	0.51	4.31	0.239	0.47	1.1
138028		4.4	57.8	<0.002	0.89	0.12	5.6	2	1.6	105.5	0.34	0.56	3.59	0.129	0.42	0.9
138029		2.3	20.7	<0.002	0.10	0.11	8.6	<1	0.6	113.5	0.26	<0.05	2.40	0.191	0.17	0.5
138030		1.6	7.6	<0.002	0.03	0.10	7.6	<1	0.4	74.9	0.25	<0.05	2.40	0.168	0.06	0.5
138031		6.7	22.4	<0.002	1.35	0.30	12.2	1	0.5	121.5	0.17	0.06	2.00	0.184	0.32	0.4
138032		1.6	9.5	<0.002	0.02	0.08	1.1	1	0.4	33.4	<0.05	<0.05	0.56	0.019	0.06	0.1
138033		7.6	20.0	<0.002	1.17	0.32	11.2	<1	0.5	157.5	0.17	<0.05	2.05	0.178	0.20	0.4
138034		<0.5	1.5	<0.002	<0.01	0.08	0.8	<1	<0.2	11.1	<0.05	<0.05	0.10	0.012	<0.02	<0.1



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CERTIFICATE OF ANALYSIS TB17253553
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Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
50141		157	14.9	9.8	101	26.1
50142		175	39.8	12.1	97	42.7
50143		239	3.8	21.9	69	52.0
50144		377	0.9	24.8	84	48.2
50145		380	1.2	25.7	90	42.3
50146		425	3.9	23.0	92	35.1
50147		423	6.5	25.0	93	52.1
50148		230	4.7	17.6	125	35.4
138016		377	0.8	29.2	94	38.0
138017		397	1.8	23.9	91	36.7
138018		382	10.9	16.1	48	42.8
138019		284	15.0	15.8	99	35.1
138020		296	41.5	14.6	104	32.5
138022		6	0.2	1.7	162	15.5
138023		29	0.5	8.8	129	174.0
138024		6	0.3	5.7	363	43.6
138025		30	0.3	14.4	115	67.7
138026		18	0.7	10.1	128	198.0
138027		68	1.5	12.8	271	178.5
138028		23	0.9	9.0	190	167.5
138029		70	0.2	6.5	53	102.5
138030		58	0.2	7.9	63	127.5
138031		96	0.3	7.4	128	94.0
138032		4	0.1	3.5	372	29.8
138033		91	0.3	6.7	101	106.5
138034		5	<0.1	1.7	11	4.0



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**CERTIFICATE OF ANALYSIS TB17253553**

CERTIFICATE COMMENTS													
	<b>ANALYTICAL COMMENTS</b>												
Applies to Method:	REE's may not be totally soluble in this method. ME- MS61												
	<b>LABORATORY ADDRESSES</b>												
Applies to Method:	<p>Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada</p> <table border="0"> <tr> <td>BAG- 01</td> <td>CRU- 32</td> <td>CRU- QC</td> <td>DRY- 22</td> </tr> <tr> <td>LOG- 22</td> <td>LOG- 22d</td> <td>PUL- 32</td> <td>PUL- 32d</td> </tr> <tr> <td>PUL- QC</td> <td>SPL- 21</td> <td>SPL- 21d</td> <td>WEI- 21</td> </tr> </table>	BAG- 01	CRU- 32	CRU- QC	DRY- 22	LOG- 22	LOG- 22d	PUL- 32	PUL- 32d	PUL- QC	SPL- 21	SPL- 21d	WEI- 21
BAG- 01	CRU- 32	CRU- QC	DRY- 22										
LOG- 22	LOG- 22d	PUL- 32	PUL- 32d										
PUL- QC	SPL- 21	SPL- 21d	WEI- 21										
Applies to Method:	<p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table border="0"> <tr> <td>Au- AA24</td> <td>ME- MS61</td> </tr> </table>	Au- AA24	ME- MS61										
Au- AA24	ME- MS61												



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**QC CERTIFICATE TB17249931**

Project: Old Cabin Property

This report is for 245 Soil samples submitted to our lab in Thunder Bay, ON, Canada on 14- NOV- 2017.

The following have access to data associated with this certificate:

DAVID TERRY	JOHN WALMSLEY
-------------	---------------

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- TL43	Trace Level Au - 25g AR	ICP- MS
ME- MS41L	Super Trace Lowest DL AR by ICP- MS	

To: **COMSTOCK METALS LTD.**  
**ATTN: JOHN WALMSLEY**  
**310 - 850 WEST HASTINGS STREET**  
**VANCOUVER BC V6C 1E1**

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

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

**Signature:**   
 Colin Ramshaw, Vancouver Laboratory Manager





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Project: Old Cabin Property

**QC CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	Au- TL43	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
		Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
		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	0.01	0.005
<b>STANDARDS</b>																
GLG908- 5		0.051														
GLG908- 5		0.048														
GLG908- 5		0.053														
Target Range - Lower Bound		0.043														
Upper Bound		0.061														
LEA- 16		0.482														
LEA- 16		0.479														
LEA- 16		0.490														
LEA- 16		0.494														
Target Range - Lower Bound		0.425														
Upper Bound		0.577														
MRGeo08			0.0038	4.47	2.56	29.9	10	422	0.81	0.624	1.00	2.11	70.9	18.35	88.5	10.30
MRGeo08			0.0034	4.08	2.55	30.9	<10	434	0.77	0.594	1.02	2.02	66.4	17.85	88.3	9.50
MRGeo08			0.0035	4.38	2.50	30.9	<10	429	0.78	0.627	1.01	2.04	70.2	18.95	88.4	10.30
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	82.3	9.45
Upper Bound			0.0045	4.91	3.00	36.3	20	517	0.90	0.750	1.24	2.47	81.0	20.9	100.5	11.55
OREAS 503c		0.672														
OREAS 503c		0.624														
OREAS 503c		0.699														
Target Range - Lower Bound		0.587														
Upper Bound		0.797														
OREAS 905			0.354	0.506	0.80	32.1	<10	241	0.93	5.41	0.33	0.327	74.4	13.65	17.00	1.185
OREAS 905			0.386	0.519	0.76	29.8	<10	230	0.89	5.26	0.32	0.316	77.0	13.75	16.10	1.215
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	15.85	1.185
Upper Bound			0.430	0.569	0.91	34.9	20	287	1.03	6.32	0.38	0.375	88.0	15.30	19.35	1.455
OREAS 920			0.0010	0.090	2.44	4.32	<10	79.4	0.69	0.622	0.33	0.060	74.1	14.15	41.7	1.935
OREAS 920			0.0007	0.089	2.28	5.06	<10	69.6	0.70	0.549	0.29	0.058	69.1	14.45	41.6	1.885
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	38.2	1.885
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	46.8	2.32
OREAS- 45e			0.0488	0.251	3.29	11.65	10	153.0	0.44	0.231	0.03	0.016	18.60	51.7	865	0.695
OREAS- 45e			0.0457	0.233	3.06	11.35	10	137.0	0.43	0.217	0.03	0.018	16.85	50.9	806	0.655
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	764	0.623
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	934	0.773
OREAS- 906		0.049														
OREAS- 906		0.044														
OREAS- 906		0.042														
OREAS- 906		0.043														
Target Range - Lower Bound		0.042														
Upper Bound		0.060														



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Project: Old Cabin Property

**QC CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	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	
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
		0.01	0.001	0.004	0.005	0.002	0.004	0.005	0.01	0.002	0.1	0.01	0.1	0.01	0.001	0.002
<b>STANDARDS</b>																
GLG908- 5																
GLG908- 5																
GLG908- 5																
Target Range - Lower Bound																
Upper Bound																
LEA- 16																
LEA- 16																
LEA- 16																
LEA- 16																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		615	3.47	9.07	0.166	0.697	0.053	0.154	1.26	36.3	32.1	1.09	408	13.25	0.320	0.957
MRGeo08		633	3.55	9.08	0.176	0.682	0.052	0.139	1.25	33.2	31.3	1.11	414	13.80	0.323	0.938
MRGeo08		613	3.50	9.67	0.178	0.731	0.059	0.151	1.22	34.3	32.4	1.10	409	14.40	0.318	1.195
Target Range - Lower Bound		587	3.23	8.77	0.161	0.658	0.047	0.137	1.12	31.3	29.6	1.03	382	13.15	0.310	0.844
Upper Bound		675	3.95	10.75	0.207	0.808	0.075	0.179	1.40	38.3	36.4	1.29	468	16.05	0.381	1.035
OREAS 503c																
OREAS 503c																
OREAS 503c																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		1580	3.44	6.13	0.119	1.150	0.013	0.547	0.31	37.3	4.7	0.15	344	2.99	0.092	0.300
OREAS 905		1510	3.31	6.08	0.120	1.160	0.012	0.540	0.30	37.6	4.5	0.14	327	2.93	0.085	0.307
Target Range - Lower Bound		1455	3.15	5.78	0.101	1.095	0.005	0.517	0.28	35.8	4.3	0.13	315	2.69	0.082	0.277
Upper Bound		1670	3.85	7.08	0.135	1.345	0.023	0.643	0.36	43.8	5.5	0.19	385	3.31	0.102	0.343
OREAS 920		109.5	3.62	6.29	0.107	0.580	<0.004	0.026	0.42	37.1	22.5	1.10	523	0.38	0.022	0.320
OREAS 920		108.5	3.39	6.29	0.112	0.552	<0.004	0.029	0.38	35.0	19.7	1.00	489	0.37	0.021	0.333
Target Range - Lower Bound		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	0.020	0.385
Upper Bound		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	0.026	0.475
OREAS- 45e		732	23.4	12.55	0.402	0.860	0.009	0.086	0.05	6.94	2.7	0.09	376	1.74	0.024	0.222
OREAS- 45e		693	22.5	12.15	0.399	0.800	0.008	0.077	0.05	6.11	2.4	0.08	351	1.74	0.024	0.214
Target Range - Lower Bound		659	20.4	11.25	0.319	0.703	<0.004	0.076	0.03	5.86	2.2	0.07	329	1.57	0.023	0.196
Upper Bound		759	25.0	13.75	0.401	0.863	0.020	0.105	0.08	7.16	2.9	0.12	403	1.94	0.031	0.244
OREAS- 906																
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Target Range - Lower Bound																
Upper Bound																



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Project: Old Cabin Property

**QC CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	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	
		Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm
<b>STANDARDS</b>																
GLG908- 5																
GLG908- 5																
GLG908- 5																
Target Range - Lower Bound																
Upper Bound																
LEA- 16																
LEA- 16																
LEA- 16																
LEA- 16																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		700	0.100	1040	0.003	0.004	147.0	0.007	0.29	3.06	6.90	0.8	3.11	73.8	0.011	0.02
MRGeo08		680	0.097	1040	<0.001	0.002	137.0	0.007	0.29	2.91	7.14	0.9	3.20	72.9	0.011	0.02
MRGeo08		670	0.095	1020	0.001	0.003	144.5	0.007	0.29	3.33	8.30	1.0	3.25	74.6	0.024	0.02
Target Range - Lower Bound		622	0.090	959	0.004	<0.002	132.5	0.006	0.27	2.84	6.83	0.8	3.05	72.3	<0.005	<0.01
Upper Bound		760	0.113	1175	0.008	0.006	161.5	0.010	0.35	3.86	8.35	1.3	3.75	88.3	0.024	0.04
OREAS 503c																
OREAS 503c																
OREAS 503c																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		8.57	0.023	15.95	<0.001	0.003	17.80	<0.001	0.06	0.967	1.825	2.1	1.29	12.40	<0.005	0.06
OREAS 905		9.07	0.022	15.65	<0.001	0.003	17.85	<0.001	0.06	1.115	1.750	2.2	1.20	11.95	<0.005	0.07
Target Range - Lower Bound		7.97	0.020	15.40	<0.001	<0.002	17.35	<0.001	0.04	0.947	1.695	2.0	1.13	11.05	<0.005	0.04
Upper Bound		9.83	0.026	18.80	0.002	0.004	21.2	0.002	0.09	1.295	2.08	2.7	1.41	13.55	0.010	0.09
OREAS 920		35.3	0.073	20.7	<0.001	0.004	23.6	<0.001	0.04	0.630	3.09	0.3	1.11	15.70	0.012	0.02
OREAS 920		37.5	0.069	22.5	<0.001	0.002	23.0	<0.001	0.03	0.609	2.97	0.2	0.99	16.55	0.009	0.01
Target Range - Lower Bound		34.5	0.063	19.35	<0.001	<0.002	22.3	<0.001	<0.01	0.514	2.61	<0.1	1.08	15.20	<0.005	<0.01
Upper Bound		42.3	0.079	23.7	0.002	0.004	27.3	0.002	0.05	0.707	3.21	0.5	1.34	18.60	0.018	0.04
OREAS- 45e		393	0.030	13.45	0.063	0.109	7.71	<0.001	0.05	0.527	82.9	1.5	0.95	3.79	<0.005	0.10
OREAS- 45e		371	0.028	13.05	0.055	0.098	6.96	0.001	0.04	0.459	79.7	1.0	0.89	3.61	<0.005	0.07
Target Range - Lower Bound		321	0.025	12.85	0.055	0.097	7.13	<0.001	0.02	0.505	70.2	1.5	0.86	3.58	<0.005	0.08
Upper Bound		393	0.033	15.75	0.069	0.123	8.73	0.002	0.07	0.695	85.8	2.1	1.08	4.40	0.021	0.13
OREAS- 906																
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OREAS- 906																
Target Range - Lower Bound																
Upper Bound																



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**QC CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L
		Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.002	0.001	0.002	0.005	0.1	0.001	0.003	0.1	0.01
<b>STANDARDS</b>										
GLG908- 5										
GLG908- 5										
GLG908- 5										
Target Range - Lower Bound										
Upper Bound										
LEA- 16										
LEA- 16										
LEA- 16										
LEA- 16										
Target Range - Lower Bound										
Upper Bound										
MRGeo08		20.6	0.388	0.727	5.20	104.0	2.58	19.30	759	20.0
MRGeo08		19.75	0.380	0.701	5.06	98.1	2.90	17.75	767	21.0
MRGeo08		20.6	0.375	0.707	5.18	101.0	2.87	18.25	762	21.4
Target Range - Lower Bound		19.25	0.342	0.661	4.97	90.8	2.49	17.55	710	18.60
Upper Bound		23.5	0.420	0.899	6.09	111.0	3.37	21.5	868	25.2
OREAS 503c										
OREAS 503c										
OREAS 503c										
Target Range - Lower Bound										
Upper Bound										
OREAS 905		8.35	0.019	0.103	2.15	5.5	0.607	6.77	63.6	46.4
OREAS 905		8.46	0.018	0.095	2.11	5.5	0.617	6.48	61.5	43.6
Target Range - Lower Bound		7.99	0.016	0.092	2.13	5.3	0.521	6.37	60.2	40.4
Upper Bound		9.77	0.022	0.129	2.61	6.8	0.707	7.79	73.8	54.6
OREAS 920		15.70	0.121	0.138	1.970	23.5	0.454	17.50	100.5	19.25
OREAS 920		15.60	0.116	0.132	1.985	25.2	0.399	17.15	101.5	19.15
Target Range - Lower Bound		13.75	0.110	0.103	1.930	23.6	0.390	16.90	95.3	18.10
Upper Bound		16.85	0.136	0.143	2.37	29.0	0.530	20.7	116.5	24.5
OREAS- 45e		10.55	0.103	0.058	1.680	298	0.095	5.87	31.5	27.7
OREAS- 45e		9.71	0.099	0.051	1.695	281	0.082	5.56	30.7	26.3
Target Range - Lower Bound		9.63	0.094	0.048	1.550	265	0.081	5.16	27.4	23.7
Upper Bound		11.75	0.118	0.070	1.910	325	0.111	6.32	33.8	32.1
OREAS- 906										
OREAS- 906										
OREAS- 906										
OREAS- 906										
Target Range - Lower Bound										
Upper Bound										



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**QC CERTIFICATE OF ANALYSIS TB17249931**

Method Analyte Units LOR	Au- TL43	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	
Sample Description	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	
	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	0.01	0.005	
<b>BLANKS</b>																
BLANK	<0.001															
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BLANK	<0.001															
BLANK	<0.001															
Target Range - Lower Bound	<0.001															
Upper Bound	0.002															
BLANK		<0.0002	<0.001	<0.01	0.01	<10	<0.5	<0.01	<0.001	<0.01	0.001	<0.003	<0.001	0.01	<0.005	
BLANK		<0.0002	0.001	<0.01	0.01	<10	<0.5	<0.01	0.001	<0.01	<0.001	<0.003	0.002	<0.01	<0.005	
BLANK		<0.0002	0.001	<0.01	0.01	<10	<0.5	<0.01	0.001	<0.01	<0.001	<0.003	0.001	<0.01	<0.005	
BLANK		<0.0002	<0.001	<0.01	<0.01	<10	<0.5	<0.01	<0.001	<0.01	<0.001	<0.003	<0.001	<0.01	<0.005	
BLANK		<0.0002	<0.001	<0.01	0.01	<10	<0.5	<0.01	<0.001	<0.01	<0.001	<0.003	<0.001	0.01	<0.005	
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	<0.01	<0.005	
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	0.02	0.010	
<b>DUPLICATES</b>																
ORIGINAL		0.0050	0.105	1.09	47.3	10	208	0.79	0.296	0.26	0.155	46.0	5.20	8.08	3.16	
DUP		0.0048	0.095	1.15	45.8	10	210	0.88	0.248	0.26	0.151	44.3	4.91	7.94	3.13	
Target Range - Lower Bound		0.0045	0.094	1.05	44.2	<10	193.0	0.78	0.257	0.24	0.144	42.9	4.80	7.60	2.98	
Upper Bound		0.0053	0.106	1.19	48.9	20	225	0.89	0.287	0.28	0.162	47.4	5.31	8.42	3.31	
L8- 008		0.0011	0.080	0.11	4.48	<10	87.6	0.04	0.193	0.53	0.505	2.08	1.015	2.06	0.253	
DUP		0.0009	0.085	0.10	4.35	<10	82.6	0.04	0.180	0.49	0.467	2.00	0.922	1.80	0.253	
Target Range - Lower Bound		0.0008	0.077	0.09	4.18	<10	78.2	0.03	0.176	0.47	0.461	1.935	0.919	1.82	0.235	
Upper Bound		0.0013	0.088	0.12	4.65	20	92.0	0.05	0.197	0.55	0.511	2.15	1.020	2.04	0.271	
L13- 015		0.0019	0.062	0.09	2.52	10	37.4	0.03	0.045	2.80	0.836	1.490	1.410	2.30	0.214	
DUP		0.0006	0.028	0.08	2.41	10	34.1	0.04	0.041	2.48	0.751	1.315	1.315	2.12	0.193	
Target Range - Lower Bound		0.0010	0.042	0.07	2.33	<10	32.6	0.02	0.040	2.50	0.753	1.330	1.295	2.09	0.188	
Upper Bound		0.0015	0.048	0.10	2.60	20	38.9	0.05	0.046	2.78	0.834	1.475	1.430	2.33	0.219	



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**QC CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	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	
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
		0.01	0.001	0.004	0.005	0.002	0.004	0.005	0.01	0.002	0.1	0.01	0.1	0.01	0.001	0.002
<b>BLANKS</b>																
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BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		0.01	<0.001	0.004	0.006	<0.002	<0.004	<0.005	<0.01	<0.002	<0.1	<0.01	<0.1	<0.01	<0.001	<0.002
BLANK		<0.01	<0.001	<0.004	<0.005	<0.002	<0.004	<0.005	<0.01	<0.002	0.1	<0.01	0.1	<0.01	<0.001	<0.002
BLANK		0.04	<0.001	0.006	0.005	<0.002	<0.004	<0.005	<0.01	<0.002	<0.1	<0.01	0.1	<0.01	<0.001	<0.002
BLANK		<0.01	<0.001	0.005	0.008	<0.002	<0.004	<0.005	<0.01	<0.002	<0.1	<0.01	<0.1	<0.01	<0.001	<0.002
BLANK		0.01	<0.001	0.007	<0.005	<0.002	<0.004	<0.005	<0.01	<0.002	0.1	<0.01	<0.1	<0.01	<0.001	<0.002
Target Range - Lower Bound		<0.01	<0.001	<0.004	<0.005	<0.002	<0.004	<0.005	<0.01	<0.002	<0.1	<0.01	<0.1	<0.01	<0.001	<0.002
Upper Bound		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	0.002	0.004
<b>DUPLICATES</b>																
ORIGINAL		9.54	1.560	4.03	0.086	0.107	0.030	0.017	0.29	25.2	15.3	0.25	459	1.14	0.009	1.100
DUP		9.30	1.580	4.05	0.092	0.108	0.027	0.013	0.30	23.2	17.5	0.26	459	1.03	0.011	1.105
Target Range - Lower Bound		9.08	1.490	3.83	0.080	0.100	0.022	0.009	0.27	23.0	15.5	0.23	436	1.02	0.009	1.045
Upper Bound		9.76	1.650	4.25	0.098	0.115	0.035	0.021	0.32	25.4	17.3	0.28	482	1.15	0.012	1.160
L8- 008		8.15	0.280	0.397	0.030	0.008	0.327	0.014	0.09	1.140	0.3	0.05	276	0.31	0.015	0.079
DUP		7.32	0.235	0.375	0.026	0.008	0.289	0.010	0.08	1.110	0.4	0.05	253	0.31	0.008	0.072
Target Range - Lower Bound		7.45	0.244	0.363	0.022	0.006	0.281	0.006	0.07	1.065	0.2	0.04	251	0.28	0.010	0.070
Upper Bound		8.02	0.271	0.409	0.034	0.010	0.335	0.018	0.10	1.185	0.5	0.06	278	0.34	0.013	0.081
L13- 015		8.33	0.178	0.255	0.018	0.005	0.112	<0.005	0.07	0.904	0.5	0.09	1810	0.65	0.018	0.046
DUP		7.80	0.166	0.225	0.014	0.005	0.104	<0.005	0.06	0.793	0.4	0.08	1605	0.61	0.012	0.038
Target Range - Lower Bound		7.77	0.162	0.224	0.010	0.003	0.096	<0.005	0.05	0.804	0.3	0.07	1620	0.59	0.013	0.038
Upper Bound		8.36	0.182	0.256	0.022	0.007	0.120	0.010	0.08	0.893	0.6	0.10	1795	0.67	0.017	0.046

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



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Project: Old Cabin Property

**QC CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	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	
		Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm
<b>BLANKS</b>																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.04	<0.001	0.183	<0.001	<0.002	<0.005	<0.001	0.01	<0.005	<0.005	<0.1	0.01	<0.01	<0.005	<0.01
BLANK		<0.04	<0.001	0.234	<0.001	<0.002	<0.005	<0.001	<0.01	<0.005	<0.005	<0.1	<0.01	<0.01	<0.005	<0.01
BLANK		<0.04	<0.001	0.227	<0.001	<0.002	<0.005	<0.001	<0.01	<0.005	<0.005	<0.1	<0.01	<0.01	<0.005	<0.01
BLANK		<0.04	<0.001	<0.005	<0.001	<0.002	<0.005	<0.001	<0.01	<0.005	<0.005	<0.1	0.01	<0.01	<0.005	<0.01
BLANK		<0.04	<0.001	0.009	<0.001	<0.002	<0.005	<0.001	<0.01	<0.005	<0.005	<0.1	<0.01	0.01	<0.005	<0.01
Target Range - Lower Bound		<0.04	<0.001	<0.005			<0.005	<0.001	<0.01	<0.005	<0.005	<0.1	<0.01	<0.01	<0.005	<0.01
Upper Bound		0.08	0.002	0.010			0.010	0.002	0.02	0.010	0.010	0.2	0.02	0.02	0.010	0.02
<b>DUPLICATES</b>																
ORIGINAL		7.47	0.037	12.40	<0.001	<0.002	28.4	<0.001	0.03	2.86	2.03	0.4	0.62	40.0	<0.005	0.01
DUP		7.17	0.037	11.90	<0.001	<0.002	28.1	<0.001	0.04	2.66	2.12	0.3	0.59	39.6	<0.005	0.01
Target Range - Lower Bound		6.91	0.034	11.55	<0.001	<0.002	26.8	<0.001	0.02	2.55	1.965	0.2	0.56	37.8	<0.005	<0.01
Upper Bound		7.73	0.040	12.75	0.002	0.004	29.7	0.002	0.05	2.97	2.18	0.5	0.65	41.8	0.010	0.02
L8- 008		3.31	0.094	31.0	0.001	<0.002	6.07	<0.001	0.22	0.285	0.389	0.9	0.65	17.25	<0.005	0.01
DUP		2.99	0.087	28.6	0.001	<0.002	5.52	<0.001	0.19	0.264	0.388	0.8	0.65	15.95	<0.005	0.01
Target Range - Lower Bound		2.95	0.085	28.3	<0.001	<0.002	5.50	<0.001	0.18	0.249	0.364	0.7	0.61	15.75	<0.005	<0.01
Upper Bound		3.35	0.096	31.3	0.002	0.004	6.09	0.002	0.23	0.300	0.413	1.0	0.69	17.45	0.010	0.02
L13- 015		3.90	0.079	4.75	<0.001	<0.002	4.16	0.004	0.18	0.115	0.446	0.7	0.18	33.9	<0.005	<0.01
DUP		4.27	0.070	4.40	<0.001	<0.002	3.94	0.003	0.16	0.114	0.286	0.6	0.15	30.7	<0.005	0.02
Target Range - Lower Bound		3.84	0.070	4.34	<0.001	<0.002	3.84	0.002	0.15	0.101	0.343	0.5	0.15	30.7	<0.005	<0.01
Upper Bound		4.33	0.079	4.81	0.002	0.004	4.26	0.005	0.19	0.128	0.389	0.8	0.18	33.9	0.010	0.02



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Project: Old Cabin Property

**QC CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
		Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.002	0.001	0.002	0.005	0.1	0.001	0.003	0.1	0.01
<b>BLANKS</b>										
BLANK										
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Target Range - Lower Bound										
Upper Bound										
BLANK		<0.002	<0.001	<0.002	<0.005	0.1	0.002	<0.003	0.1	<0.01
BLANK		<0.002	<0.001	<0.002	<0.005	0.1	<0.001	<0.003	0.1	<0.01
BLANK		<0.002	<0.001	<0.002	<0.005	0.1	0.001	<0.003	<0.1	<0.01
BLANK		<0.002	<0.001	<0.002	<0.005	0.1	<0.001	<0.003	<0.1	<0.01
BLANK		<0.002	<0.001	<0.002	<0.005	0.1	0.002	<0.003	<0.1	<0.01
Target Range - Lower Bound		<0.002	<0.001	<0.002	<0.005	<0.1	<0.001	<0.003	<0.1	<0.01
Upper Bound		0.004	0.002	0.004	0.010	0.2	0.002	0.006	0.2	0.02
<b>DUPLICATES</b>										
ORIGINAL		5.80	0.041	0.265	1.585	25.4	0.825	7.42	48.5	3.70
DUP		5.25	0.040	0.260	1.445	24.3	0.753	7.34	47.1	3.70
Target Range - Lower Bound		5.25	0.037	0.241	1.435	23.5	0.729	7.01	45.3	3.41
Upper Bound		5.80	0.044	0.284	1.595	26.2	0.849	7.75	50.3	3.99
L8- 008		0.102	0.003	0.051	0.075	2.8	0.072	0.602	63.0	0.28
DUP		0.096	0.002	0.045	0.070	2.5	0.064	0.548	57.8	0.28
Target Range - Lower Bound		0.092	<0.001	0.042	0.064	2.4	0.062	0.543	57.3	0.25
Upper Bound		0.106	0.004	0.054	0.081	2.9	0.074	0.607	63.5	0.31
L13- 015		0.018	0.001	0.053	0.052	2.6	0.042	0.563	51.9	0.19
DUP		0.020	0.001	0.047	0.047	2.6	0.042	0.538	48.5	0.17
Target Range - Lower Bound		0.016	<0.001	0.044	0.042	2.4	0.038	0.520	47.6	0.16
Upper Bound		0.022	0.002	0.056	0.057	2.8	0.046	0.581	52.8	0.20





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**QC CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	Au- TL43	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	
		Au ppm 0.001	Au ppm 0.0002	Ag ppm 0.001	Al % 0.01	As ppm 0.01	B ppm 10	Ba ppm 0.5	Be ppm 0.01	Bi ppm 0.001	Ca % 0.01	Cd ppm 0.001	Ce ppm 0.003	Co ppm 0.001	Cr ppm 0.01	Cs ppm 0.005
<b>DUPLICATES</b>																
L15- 009			0.0022	0.178	0.16	5.98	<10	97.7	0.02	0.085	0.54	0.481	1.985	1.360	6.34	0.287
DUP			0.0017	0.197	0.15	8.38	<10	97.3	0.04	0.095	0.50	0.448	1.865	1.205	6.02	0.294
Target Range - Lower Bound			0.0017	0.177	0.14	6.81	<10	89.7	0.02	0.085	0.48	0.440	1.825	1.215	5.86	0.271
Upper Bound			0.0022	0.198	0.17	7.55	20	105.5	0.04	0.096	0.56	0.489	2.02	1.350	6.50	0.310
ORIGINAL			0.0007	0.030	1.75	4.91	<10	296	1.29	0.405	0.17	0.020	42.2	13.95	51.6	1.490
DUP			0.0007	0.028	1.78	4.98	<10	295	1.23	0.395	0.17	0.025	40.4	13.25	49.7	1.540
Target Range - Lower Bound			0.0005	0.027	1.67	4.69	<10	273	1.19	0.379	0.15	0.020	39.2	12.90	48.1	1.435
Upper Bound			0.0009	0.031	1.86	5.20	20	318	1.33	0.421	0.19	0.025	43.4	14.30	53.2	1.595

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



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**QC CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	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	
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
		0.01	0.001	0.004	0.005	0.002	0.004	0.005	0.01	0.002	0.1	0.01	0.1	0.01	0.001	0.002
<b>DUPLICATES</b>																
L15- 009		9.52	0.260	0.412	0.021	0.007	0.154	0.005	0.09	1.005	1.0	0.12	350	0.24	0.008	0.073
DUP		10.10	0.242	0.357	0.022	0.004	0.142	0.008	0.09	0.994	0.8	0.11	340	0.24	0.009	0.083
Target Range - Lower Bound		9.46	0.237	0.361	0.015	0.003	0.133	<0.005	0.08	0.948	0.8	0.10	328	0.22	0.007	0.072
Upper Bound		10.15	0.265	0.408	0.028	0.008	0.163	0.010	0.10	1.050	1.0	0.13	362	0.26	0.010	0.084
ORIGINAL		20.4	4.64	10.05	0.114	0.064	0.044	0.055	0.18	21.4	11.7	0.09	525	0.76	0.095	0.390
DUP		19.20	4.67	10.10	0.111	0.062	0.039	0.050	0.18	20.8	11.0	0.09	521	0.75	0.096	0.374
Target Range - Lower Bound		19.10	4.42	9.57	0.102	0.058	0.034	0.045	0.16	20.0	10.7	0.08	497	0.71	0.090	0.361
Upper Bound		20.5	4.89	10.60	0.123	0.068	0.049	0.060	0.20	22.2	12.0	0.10	549	0.80	0.101	0.403

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**QC CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	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	
		Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm
		0.04	0.001	0.005	0.001	0.002	0.005	0.001	0.01	0.005	0.005	0.1	0.01	0.01	0.005	0.01
		<b>DUPLICATES</b>														
L15- 009		8.65	0.073	6.67	0.001	<0.002	6.93	<0.001	0.15	0.213	0.524	1.0	0.31	13.75	<0.005	0.01
DUP		8.31	0.074	7.04	0.001	<0.002	6.88	<0.001	0.15	0.218	0.506	0.6	0.33	15.70	<0.005	0.01
Target Range - Lower Bound		8.02	0.069	6.51	<0.001	<0.002	6.55	<0.001	0.13	0.194	0.484	0.7	0.29	14.00	<0.005	<0.01
Upper Bound		8.94	0.078	7.20	0.002	0.004	7.26	0.002	0.17	0.237	0.546	0.9	0.35	15.45	0.010	0.02
ORIGINAL		14.80	0.095	13.50	<0.001	<0.002	33.1	<0.001	0.01	0.154	10.40	0.3	2.54	27.8	<0.005	0.05
DUP		13.90	0.094	13.25	<0.001	<0.002	32.3	<0.001	0.01	0.150	10.55	0.3	2.54	26.4	<0.005	0.03
Target Range - Lower Bound		13.60	0.089	12.70	<0.001	<0.002	31.1	<0.001	<0.01	0.136	9.95	0.2	2.40	25.7	<0.005	0.03
Upper Bound		15.10	0.100	14.05	0.002	0.004	34.3	0.002	0.02	0.168	11.00	0.4	2.68	28.5	0.010	0.05



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**QC CERTIFICATE OF ANALYSIS TB17249931**

		ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
Sample Description	Method Analyte Units LOR	Th ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.002	0.001	0.002	0.005	0.1	0.001	0.003	0.1	0.01
		<b>DUPLICATES</b>								
L15- 009		0.118	0.003	0.084	0.051	3.3	0.142	0.426	39.6	0.22
DUP		0.093	0.003	0.088	0.055	3.3	0.081	0.623	42.2	0.22
Target Range - Lower Bound		0.098	0.002	0.078	0.045	3.0	0.102	0.495	38.8	0.19
Upper Bound		0.113	0.004	0.094	0.061	3.6	0.121	0.554	43.0	0.25
ORIGINAL		9.89	0.033	0.285	2.94	108.0	0.078	15.70	12.5	3.17
DUP		9.71	0.031	0.276	2.88	102.0	0.086	15.10	11.5	2.93
Target Range - Lower Bound		9.31	0.029	0.257	2.76	99.7	0.075	14.65	11.3	2.81
Upper Bound		10.30	0.035	0.304	3.06	110.5	0.089	16.15	12.7	3.29

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**QC CERTIFICATE OF ANALYSIS TB17249931**

### CERTIFICATE COMMENTS

#### ANALYTICAL COMMENTS

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

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

#### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada  
LOG- 22 SCR- 41 WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au- TL43 ME- MS41L



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**CERTIFICATE TB17249931**

Project: Old Cabin Property

This report is for 245 Soil samples submitted to our lab in Thunder Bay, ON, Canada on 14- NOV- 2017.

The following have access to data associated with this certificate:

DAVID TERRY	JOHN WALMSLEY
-------------	---------------

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

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- TL43	Trace Level Au - 25g AR	ICP- MS
ME- MS41L	Super Trace Lowest DL AR by ICP- MS	

To: **COMSTOCK METALS LTD.**  
**ATTN: JOHN WALMSLEY**  
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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.

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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Old Cabin Property

**CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- TL43	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
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	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	0.01
L5- 001		0.13	0.002													
L5- 002		0.10	NSS	0.0006	0.042	0.08	2.79	10	113.0	0.02	0.083	1.13	1.020	1.545	1.250	8.17
L5- 003		0.08	NSS	0.0006	0.026	0.05	1.76	10	127.5	0.02	0.064	1.67	0.625	2.64	0.618	4.95
L5- 004		0.10	0.002													
L5- 005		0.08	0.001													
L5- 006		0.11	0.003													
L5- 007		0.07	0.002													
L5- 008		0.07	0.003													
L5- 009		0.08	0.001													
L5- 010		0.08	0.002													
L5- 011		0.07	0.003													
L5- 012		0.13	0.002													
L5- 013		0.11	0.001													
L5- 014		0.09	0.001													
L5- 015		0.09	0.002													
L5- 016		0.13	0.001													
L5- 017		0.14	0.001													
L5- 018		0.13	0.001													
L5- 019		0.11	0.001													
L6- 001		0.11	0.002													
L6- 001B		0.14	0.002													
L6- 002		0.11	0.001													
L6- 003		0.14	<0.001													
L6- 004		0.10	NSS	0.0002	0.026	0.04	0.64	10	62.8	0.02	0.032	0.62	0.582	0.798	0.270	2.82
L6- 005		0.12	0.001													
L6- 006		0.10	0.002													
L6- 007		0.10	0.002													
L6- 008		0.13	0.001													
L6- 009		0.07	0.002													
L6- 010		0.09	0.002													
L6- 011		0.08	0.002													
L6- 012		0.15	0.001													
L6- 013		0.10	0.002													
L6- 014		0.12	<0.001													
L6- 015		0.08	NSS	0.0006	0.008	0.04	1.37	10	20.3	0.02	0.037	1.65	0.579	0.596	0.166	1.71
L6- 016		0.11	0.005													
L6- 017		0.13	0.003													
L6- 018		0.14	0.002													
L6- 019		0.09	NSS	0.0008	0.016	0.06	2.17	10	34.4	0.02	0.055	2.43	0.390	0.814	0.521	1.24
L7- 001		0.09	0.004													



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Sample Description	Method Analyte Units LOR	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	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
L5- 001		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	0.001
L5- 002		0.243	14.40	0.149	0.351	0.023	0.004	0.172	0.006	0.10	0.774	0.4	0.11	2270	0.59	0.006
L5- 003		0.220	9.99	0.098	0.212	0.020	0.006	0.144	<0.005	0.10	2.11	0.3	0.11	898	0.47	0.001
L5- 004																
L5- 005																
L5- 006																
L5- 007																
L5- 008																
L5- 009																
L5- 010																
L5- 011																
L5- 012																
L5- 013																
L5- 014																
L5- 015																
L5- 016																
L5- 017																
L5- 018																
L5- 019																
L6- 001																
L6- 001B																
L6- 002																
L6- 003																
L6- 004		0.455	10.60	0.056	0.149	0.014	0.004	0.121	<0.005	0.14	0.443	0.2	0.06	540	0.34	0.004
L6- 005																
L6- 006																
L6- 007																
L6- 008																
L6- 009																
L6- 010																
L6- 011																
L6- 012																
L6- 013																
L6- 014																
L6- 015		0.182	5.04	0.053	0.102	0.014	0.005	0.091	<0.005	0.06	0.343	0.2	0.09	40.4	0.34	0.010
L6- 016																
L6- 017																
L6- 018																
L6- 019		0.151	5.19	0.199	0.153	0.022	0.008	0.102	<0.005	0.05	0.531	0.3	0.12	587	0.43	0.009
L7- 001																





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Sample Description	Method Analyte Units LOR	ME- MS41L Nb ppm	ME- MS41L Ni ppm	ME- MS41L P %	ME- MS41L Pb ppm	ME- MS41L Pd ppm	ME- MS41L Pt ppm	ME- MS41L Rb ppm	ME- MS41L Re ppm	ME- MS41L S %	ME- MS41L Sb ppm	ME- MS41L Sc ppm	ME- MS41L Se ppm	ME- MS41L Sn ppm	ME- MS41L Sr ppm	ME- MS41L Ta ppm
L5- 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	0.005
L5- 002		0.088	7.73	0.103	8.33	<0.001	<0.002	4.25	<0.001	0.20	0.344	0.361	0.6	0.49	29.4	<0.005
L5- 003		0.057	6.34	0.086	5.96	<0.001	<0.002	5.88	<0.001	0.20	0.270	0.377	0.6	0.32	43.1	<0.005
L5- 004																
L5- 005																
L5- 006																
L5- 007																
L5- 008																
L5- 009																
L5- 010																
L5- 011																
L5- 012																
L5- 013																
L5- 014																
L5- 015																
L5- 016																
L5- 017																
L5- 018																
L5- 019																
L6- 001																
L6- 001B																
L6- 002																
L6- 003																
L6- 004		0.040	3.01	0.094	2.42	<0.001	<0.002	8.02	<0.001	0.17	0.176	0.313	0.5	0.17	12.05	0.010
L6- 005																
L6- 006																
L6- 007																
L6- 008																
L6- 009																
L6- 010																
L6- 011																
L6- 012																
L6- 013																
L6- 014																
L6- 015		0.031	2.64	0.048	3.18	<0.001	<0.002	4.59	<0.001	0.15	0.373	0.325	0.5	0.20	25.7	<0.005
L6- 016																
L6- 017																
L6- 018																
L6- 019		0.036	2.21	0.061	5.27	<0.001	<0.002	3.86	0.001	0.17	0.193	0.357	0.6	0.22	38.0	<0.005
L7- 001																



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**CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
		Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
L5- 001		0.01	0.002	0.001	0.002	0.005	0.1	0.001	0.003	0.1	0.01
L5- 002		0.01	0.038	0.003	0.056	0.046	2.1	0.074	0.302	183.5	0.16
L5- 003		<0.01	0.023	0.002	0.037	0.035	1.3	0.048	0.382	218	0.19
L5- 004											
L5- 005											
L5- 006											
L5- 007											
L5- 008											
L5- 009											
L5- 010											
L5- 011											
L5- 012											
L5- 013											
L5- 014											
L5- 015											
L5- 016											
L5- 017											
L5- 018											
L5- 019											
L6- 001											
L6- 001B											
L6- 002											
L6- 003											
L6- 004		<0.01	0.019	0.001	0.026	0.028	0.8	0.032	0.188	138.5	0.13
L6- 005											
L6- 006											
L6- 007											
L6- 008											
L6- 009											
L6- 010											
L6- 011											
L6- 012											
L6- 013											
L6- 014											
L6- 015		0.01	0.014	0.001	0.033	0.021	0.8	0.063	0.209	20.4	0.13
L6- 016											
L6- 017											
L6- 018											
L6- 019		0.01	0.042	0.001	0.055	0.039	1.2	0.035	0.420	37.8	0.20
L7- 001											



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**CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- TL43	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
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
L7- 001B		0.02	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	0.01
L7- 002		0.11	0.007													
L7- 003		0.18	0.001													
L7- 004		0.17	0.007													
L7- 005		0.30	0.001													
L7- 006		0.10	0.001													
L7- 007		0.08	0.009													
L7- 008		0.09	0.001													
L7- 009		0.14	0.001													
L7- 010		0.10	0.002													
L7- 011		0.11	0.003													
L7- 012		0.10	0.002													
L7- 013		0.07	NSS	0.0015	0.026	0.07	0.93	<10	34.5	0.02	0.051	0.31	0.403	1.040	0.300	1.22
L7- 014		0.11	NSS	0.0010	0.022	0.13	1.99	10	29.3	0.05	0.069	2.13	0.509	1.370	0.708	1.33
L7- 015		0.12	NSS	0.0007	0.035	0.09	3.70	10	40.1	0.03	0.082	2.25	0.687	1.405	1.140	1.66
L7- 016		0.12	0.002													
L7- 017		0.08	0.001													
L7- 018		0.08	0.001													
L7- 019		0.24	0.001													
L8- 001		0.14	0.003													
L8- 001B		0.07	0.002													
L8- 002		0.09	0.002													
L8- 003		0.10	0.001													
L8- 004		0.10	0.006													
L8- 005		0.09	NSS	0.0012	0.053	0.34	10.30	10	123.0	0.09	0.045	3.26	1.420	20.4	14.25	3.19
L8- 006		0.10	0.002													
L8- 007		0.09	NSS	0.0011	0.080	0.11	4.48	<10	87.6	0.04	0.193	0.53	0.505	2.08	1.015	2.06
L8- 008		0.12	0.001													
L8- 009		0.08	NSS	0.0011	0.050	0.09	4.39	<10	70.8	0.03	0.161	0.71	0.253	1.915	0.483	2.13
L8- 010		0.12	0.001													
L8- 011		0.11	NSS	0.0009	0.045	0.25	4.28	10	25.4	0.04	0.057	2.26	0.512	4.96	1.335	6.32
L8- 012		0.08	0.002													
L8- 013		0.06	NSS	0.0017	0.023	0.12	1.88	10	57.9	0.02	0.072	0.64	0.440	1.725	0.962	3.84
L8- 014		0.12	0.001													
L8- 015		0.11	NSS	0.0012	0.022	0.10	3.57	10	24.0	0.03	0.074	2.11	0.602	1.225	1.135	4.54
L8- 016		0.15	0.002													
L8- 017		0.16	NSS	0.0024	0.037	0.14	14.00	10	70.6	0.03	0.124	2.15	0.602	2.30	5.05	6.13
L8- 018		0.10	NSS	0.0013	0.041	0.12	12.55	10	51.3	0.03	0.120	2.25	0.371	1.870	3.32	4.97
L8- 019		0.10	NSS	0.0013	0.041	0.12	12.55	10	51.3	0.03	0.120	2.25	0.371	1.870	3.32	4.97
L9- 001		0.12	0.003													



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Sample Description	Method Analyte Units LOR	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	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
L7- 001B L7- 002 L7- 003 L7- 004 L7- 005		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	
L7- 006 L7- 007 L7- 008 L7- 009 L7- 010																
L7- 011 L7- 012 L7- 013 L7- 014 L7- 015		0.506 0.211	5.44 7.09	0.099 0.172	0.184 0.210	0.017 0.029	0.004 0.011	0.141 0.103	<0.005 <0.005	0.10 0.05	0.548 1.205	0.3 0.3	0.05 0.08	116.5 553	0.15 0.27	0.002 0.006
L7- 016 L7- 017 L7- 018 L7- 019 L8- 001		0.203	6.35	0.235	0.240	0.021	0.007	0.114	0.006	0.04	0.900	0.2	0.10	1405	0.48	0.008
L8- 001B L8- 002 L8- 003 L8- 004 L8- 005																
L8- 006 L8- 007 L8- 008 L8- 009 L8- 010		0.162	34.0	0.550	0.827	0.095	0.011	0.100	0.007	0.06	13.40	0.4	0.14	4720	0.88	0.017
L8- 011 L8- 012 L8- 013 L8- 014 L8- 015		0.253	8.15	0.280	0.397	0.030	0.008	0.327	0.014	0.09	1.140	0.3	0.05	276	0.31	0.015
L8- 016 L8- 017 L8- 018 L8- 019 L9- 001		0.268	13.30	0.270	0.368	0.023	0.009	0.209	0.012	0.06	0.994	0.3	0.05	241	0.57	0.008
L8- 011 L8- 012 L8- 013 L8- 014 L8- 015		0.200	29.6	0.290	0.470	0.035	0.012	0.094	0.005	0.06	4.96	0.8	0.17	97.4	0.49	0.017
L8- 016 L8- 017 L8- 018 L8- 019 L9- 001		0.245	9.48	0.176	0.283	0.013	0.008	0.127	<0.005	0.10	0.866	0.5	0.10	279	0.21	0.013
L8- 016 L8- 017 L8- 018 L8- 019 L9- 001		0.151	17.00	0.158	0.224	0.014	0.008	0.084	<0.005	0.07	1.285	0.6	0.13	538	0.49	0.012
L8- 016 L8- 017 L8- 018 L8- 019 L9- 001		0.303	11.75	0.980	0.469	0.027	0.007	0.133	0.006	0.05	1.175	1.0	0.16	3850	0.46	0.012
L8- 016 L8- 017 L8- 018 L8- 019 L9- 001		0.256	7.52	0.710	0.423	0.030	0.006	0.104	0.008	0.05	0.953	0.8	0.19	2280	0.39	0.017



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**CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	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	
		Nb ppm	Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm
L7- 001B L7- 002 L7- 003 L7- 004 L7- 005		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	
L7- 006 L7- 007 L7- 008 L7- 009 L7- 010																
L7- 011 L7- 012 L7- 013 L7- 014 L7- 015		0.046 0.058	2.11 2.44	0.062 0.055	4.03 6.22	<0.001 <0.001	<0.002 0.488	7.34 3.57	<0.001 0.001	0.12 0.14	0.144 0.192	0.344 1.000	0.5 0.7	0.25 0.29	8.39 23.8	<0.005 0.008
L7- 016 L7- 017 L7- 018 L7- 019 L8- 001		0.050	2.81	0.061	11.65	0.001	<0.002	2.89	0.002	0.18	0.211	0.360	0.8	0.26	29.2	<0.005
L8- 001B L8- 002 L8- 003 L8- 004 L8- 005																
L8- 006 L8- 007 L8- 008 L8- 009 L8- 010		0.118 0.079 0.089	6.99 3.31 2.40	0.112 0.094 0.059	9.10 31.0 19.15	0.001 0.001 <0.001	<0.002 <0.002 <0.002	3.16 6.07 3.24	0.001 <0.001 0.001	0.24 0.22 0.16	0.243 0.285 0.213	0.513 0.389 0.420	0.7 0.9 0.8	0.14 0.65 0.55	63.1 17.25 15.45	<0.005 <0.005 <0.005
L8- 011 L8- 012 L8- 013 L8- 014 L8- 015		0.092 0.063	7.80 4.74	0.060 0.070	5.68 6.73	<0.001 0.001	<0.002 <0.002	3.96 5.65	0.002 <0.001	0.21 0.17	0.204 0.150	0.662 0.395	0.8 0.5	0.19 0.27	32.3 21.1	<0.005 <0.005
L8- 016 L8- 017 L8- 018 L8- 019 L9- 001		0.045 0.072 0.076	6.19 7.09 5.92	0.084 0.067 0.052	3.60 14.15 11.10	<0.001 0.001 0.002	<0.002 <0.002 <0.002	3.69 3.58 3.43	0.001 0.001 0.001	0.22 0.23 0.17	0.125 0.180 0.235	0.310 0.476 0.448	0.5 0.9 0.8	0.12 0.36 0.46	29.5 34.3 34.0	<0.005 <0.005 <0.005



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Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
		Te ppm 0.01	Th ppm 0.002	Ti % 0.001	Tl ppm 0.002	U ppm 0.005	V ppm 0.1	W ppm 0.001	Y ppm 0.003	Zn ppm 0.1	Zr ppm 0.01
L7- 001B L7- 002 L7- 003 L7- 004 L7- 005											
L7- 006 L7- 007 L7- 008 L7- 009 L7- 010											
L7- 011 L7- 012 L7- 013 L7- 014 L7- 015		<0.01 0.02	0.029 0.130	0.001 0.001	0.060 0.045	0.033 0.064	1.2 2.4	0.041 0.034	0.266 0.770	27.6 22.2	0.15 0.61
L7- 016 L7- 017 L7- 018 L7- 019 L8- 001		0.01	0.051	0.002	0.073	0.055	2.3	0.037	0.607	30.2	0.24
L8- 001B L8- 002 L8- 003 L8- 004 L8- 005											
L8- 006 L8- 007 L8- 008 L8- 009 L8- 010		0.03	0.111	0.003	0.162	0.173	11.6	0.046	5.71	131.5	0.28
L8- 011 L8- 012 L8- 013 L8- 014 L8- 015		0.01	0.102	0.003	0.051	0.075	2.8	0.072	0.602	63.0	0.28
L8- 016 L8- 017 L8- 018 L8- 019 L9- 001		0.01	0.138	0.003	0.084	0.064	2.8	1.065	0.463	40.3	0.31
L8- 011 L8- 012 L8- 013 L8- 014 L8- 015		0.02	0.129	0.004	0.047	0.182	5.4	0.057	2.13	27.0	0.42
L8- 016 L8- 017 L8- 018 L8- 019 L9- 001		<0.01	0.058	0.002	0.042	0.064	2.5	0.268	0.436	52.7	0.24
L8- 016 L8- 017 L8- 018 L8- 019 L9- 001		0.02	0.031	0.002	0.035	0.042	3.0	0.047	0.590	51.5	0.28
L8- 016 L8- 017 L8- 018 L8- 019 L9- 001		0.04	0.056	0.003	0.080	0.072	4.1	0.111	0.684	39.7	0.20
L8- 016 L8- 017 L8- 018 L8- 019 L9- 001		0.02	0.062	0.003	0.071	0.055	3.2	0.121	0.566	36.6	0.23



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**CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- TL43	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	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	0.01
L9- 001B		0.14	0.008													
L9- 002		0.09	0.001													
L9- 003		0.11	0.003													
L9- 004		0.10	0.002													
L9- 005		0.09	0.001													
L9- 006		0.10	NSS	0.0011	0.014	0.15	2.73	<10	79.1	0.04	0.158	0.33	0.397	2.00	1.135	2.73
L9- 007		0.26	0.001													
L9- 008		0.14	0.002													
L9- 009		0.12	0.001													
L9- 010		0.11	0.002													
L9- 011		0.09	0.002													
L9- 012		0.06	NSS	0.0016	0.053	0.11	2.63	<10	70.0	0.03	0.114	0.55	0.297	1.750	0.699	3.15
L9- 013		0.09	0.002													
L9- 014		0.10	NSS	0.0009	0.039	0.14	7.72	<10	51.9	0.03	0.149	0.39	0.434	1.715	0.762	2.89
L9- 015		0.11	0.010													
L9- 016		0.13	NSS	0.0014	0.022	0.08	2.60	10	17.7	0.04	0.060	1.88	0.468	1.265	0.705	2.33
L9- 017		0.13	NSS	0.0011	0.030	0.09	3.59	<10	70.0	0.01	0.120	0.57	0.636	1.570	0.451	1.85
L9- 018		0.12	NSS	0.0005	0.020	0.07	2.68	10	29.8	0.05	0.047	2.97	0.679	1.490	0.715	1.62
L9- 019		0.13	NSS	0.0008	0.038	0.14	10.40	10	237	0.08	0.118	3.23	2.32	4.86	7.94	2.11
L11- 001		0.11	NSS	0.0006	0.045	0.10	5.91	10	47.7	0.06	0.095	1.84	0.806	2.27	4.73	1.78
L11- 001B		0.15	NSS	0.0014	0.046	0.14	9.67	10	46.7	0.05	0.135	1.85	0.735	2.61	4.21	3.80
L11- 002		0.07	0.011													
L11- 003		0.09	0.001													
L11- 004		0.09	NSS	0.0011	0.040	0.13	6.42	10	48.5	0.04	0.102	0.65	0.417	1.980	2.83	4.05
L11- 005		0.07	NSS	0.0010	0.120	0.21	3.31	<10	83.3	0.12	0.084	0.56	0.950	5.15	5.16	2.77
L11- 006		0.08	0.001													
L11- 007		0.12	0.002													
L11- 008		0.07	NSS	0.0111	0.102	0.13	1.18	10	125.5	0.03	0.052	1.28	0.294	2.66	1.215	3.43
L11- 009		0.14	0.003													
L11- 010		0.11	0.001													
L11- 011		0.07	0.002													
L11- 012		0.09	0.001													
L11- 013		0.08	0.003													
L11- 014		0.10	0.002													
L11- 015		0.08	NSS	0.0016	0.079	0.27	9.00	<10	44.7	0.06	0.243	0.30	0.374	4.42	1.125	6.62
L11- 016		0.11	NSS	0.0008	0.023	0.10	2.63	10	22.8	0.02	0.064	1.96	0.391	1.480	0.612	3.42
L11- 017		0.10	NSS	0.0009	0.059	0.09	4.19	10	27.1	0.03	0.053	2.83	0.527	1.530	1.140	3.21
L11- 018		0.09	NSS	0.0010	0.027	0.10	3.75	10	34.2	0.05	0.074	2.75	0.495	1.520	0.927	2.29
L11- 019		0.07	NSS	0.0034	0.046	0.18	11.35	10	92.9	0.06	0.113	3.09	1.235	4.03	3.03	4.62
L11- 019B		0.10	NSS	0.0008	0.028	0.13	6.73	10	78.1	0.08	0.077	2.97	1.005	2.42	1.900	1.61



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**CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	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	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
L9- 001B L9- 002 L9- 003 L9- 004 L9- 005		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	0.001
L9- 006 L9- 007 L9- 008 L9- 009 L9- 010		0.452	5.33	0.300	0.452	0.031	0.012	0.214	0.010	0.07	1.070	0.6	0.10	164.5	0.33	0.009
L9- 011 L9- 012 L9- 013 L9- 014 L9- 015		0.453	6.36	0.226	0.331	0.025	0.006	0.205	0.005	0.06	0.927	0.6	0.07	446	0.26	0.007
L9- 016 L9- 017 L9- 018 L9- 019 L11- 001		0.356	7.98	0.234	0.426	0.036	0.009	0.225	0.010	0.11	0.843	0.5	0.07	180.5	0.27	0.013
L9- 016 L9- 017 L9- 018 L9- 019 L11- 001		0.245	6.60	0.123	0.212	0.015	0.006	0.121	<0.005	0.06	0.695	0.5	0.07	106.5	0.45	0.015
L9- 016 L9- 017 L9- 018 L9- 019 L11- 001		0.367	6.28	0.190	0.312	0.025	0.007	0.211	0.008	0.08	0.816	0.4	0.06	107.0	0.26	0.011
L9- 016 L9- 017 L9- 018 L9- 019 L11- 001		0.193	10.10	0.133	0.178	0.018	0.006	0.131	<0.005	0.06	1.180	0.4	0.12	756	0.65	0.009
L9- 016 L9- 017 L9- 018 L9- 019 L11- 001		0.179	15.80	0.550	0.601	0.032	0.009	0.234	0.008	0.07	2.05	0.5	0.13	14150	1.19	0.012
L9- 016 L9- 017 L9- 018 L9- 019 L11- 001		0.258	7.57	0.310	0.321	0.024	0.007	0.155	0.007	0.06	1.120	0.5	0.10	2120	0.71	0.020
L11- 001B L11- 002 L11- 003 L11- 004 L11- 005		0.312	9.99	0.390	0.408	0.026	0.010	0.177	0.008	0.06	1.300	0.9	0.12	1715	0.68	0.014
L11- 001B L11- 002 L11- 003 L11- 004 L11- 005		0.789	9.94	0.240	0.420	0.029	0.007	0.192	0.005	0.07	1.560	0.8	0.11	251	0.27	0.015
L11- 001B L11- 002 L11- 003 L11- 004 L11- 005		0.496	10.05	0.211	0.427	0.022	0.009	0.155	0.006	0.07	4.54	0.6	0.07	170.0	0.23	0.013
L11- 006 L11- 007 L11- 008 L11- 009 L11- 010		0.298	11.10	0.199	0.540	0.013	0.007	0.151	<0.005	0.07	1.235	0.9	0.14	2380	0.11	0.012
L11- 011 L11- 012 L11- 013 L11- 014 L11- 015		0.450	7.50	0.570	1.290	0.036	0.007	0.205	0.014	0.05	2.15	1.3	0.09	270	0.40	0.011
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.205	5.20	0.160	0.362	0.018	0.007	0.100	<0.005	0.05	0.751	0.6	0.14	299	0.35	0.017
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.170	10.30	0.176	0.267	0.021	0.011	0.117	<0.005	0.05	1.005	0.7	0.13	672	0.75	0.010
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.161	10.90	0.167	0.261	0.020	0.012	0.142	<0.005	0.05	1.205	0.6	0.12	957	0.54	0.013
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.199	17.50	0.450	0.477	0.031	0.009	0.180	0.006	0.05	2.48	1.1	0.18	4220	1.13	0.021
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.117	12.85	0.340	0.318	0.031	0.008	0.151	0.005	0.03	1.855	0.4	0.12	3310	0.85	0.008





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Sample Description	Method Analyte Units LOR	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	ME- MS41L Ta ppm 0.005	
L9- 001B L9- 002 L9- 003 L9- 004 L9- 005																	
L9- 006 L9- 007 L9- 008 L9- 009 L9- 010		0.086	3.95	0.076	17.35	<0.001	<0.002	5.12	<0.001	0.15	0.279	0.609	1.2	0.78	14.20	<0.005	
L9- 011 L9- 012 L9- 013 L9- 014 L9- 015		0.078	4.27	0.083	11.80	0.001	<0.002	4.41	<0.001	0.17	0.196	0.550	1.0	0.48	19.60	<0.005	
L9- 016 L9- 017 L9- 018 L9- 019 L11- 001		0.057	2.67	0.062	6.06	<0.001	<0.002	3.64	0.001	0.19	0.166	0.338	0.6	0.26	26.0	<0.005	
L11- 001B L11- 002 L11- 003 L11- 004 L11- 005		0.066	2.19	0.068	13.35	<0.001	<0.002	5.75	0.001	0.19	0.184	0.591	0.8	0.43	43.7	<0.005	
L11- 006 L11- 007 L11- 008 L11- 009 L11- 010		0.049	2.86	0.071	6.83	<0.001	<0.002	3.86	0.002	0.19	0.139	0.279	0.7	0.15	39.9	<0.005	
L11- 011 L11- 012 L11- 013 L11- 014 L11- 015		0.068	7.03	0.099	27.3	<0.001	<0.002	4.99	0.003	0.22	0.282	0.441	1.3	0.31	49.5	<0.005	
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.054	3.13	0.068	25.7	0.001	<0.002	3.72	0.001	0.17	0.198	0.461	0.8	0.33	35.0	<0.005	
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.074	4.87	0.075	23.0	0.004	0.002	3.85	<0.001	0.19	0.266	0.464	0.9	0.42	34.8	<0.005	
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.095	8.67	0.089	15.55	<0.001	<0.002	8.00	<0.001	0.21	0.224	0.565	0.7	0.40	26.7	<0.005	
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.093	7.00	0.099	13.85	<0.001	<0.002	6.27	<0.001	0.21	0.172	0.523	0.7	0.37	26.5	<0.005	
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.111	4.09	0.095	5.23	<0.001	<0.002	3.01	<0.001	0.18	0.087	0.475	0.4	0.22	23.7	<0.005	
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.390	4.79	0.067	35.5	<0.001	<0.002	3.61	<0.001	0.12	0.363	0.675	1.1	1.08	11.85	<0.005	
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.114	2.88	0.055	7.11	<0.001	<0.002	3.49	<0.001	0.15	0.159	0.518	0.5	0.28	21.2	<0.005	
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.070	4.51	0.062	6.67	<0.001	<0.002	3.23	0.002	0.18	0.150	0.572	0.6	0.17	31.0	<0.005	
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.065	3.70	0.061	6.14	<0.001	<0.002	3.65	0.001	0.19	0.180	0.438	0.8	0.27	38.5	<0.005	
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.081	8.66	0.065	15.90	<0.001	<0.002	3.07	0.004	0.21	0.442	0.463	1.1	0.37	48.8	<0.005	
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.051	4.24	0.060	12.30	<0.001	<0.002	2.32	0.004	0.18	0.251	0.369	1.0	0.25	46.7	<0.005	



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Sample Description	Method Analyte Units LOR	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
L9- 001B L9- 002 L9- 003 L9- 004 L9- 005											
L9- 006 L9- 007 L9- 008 L9- 009 L9- 010		0.01	0.134	0.003	0.071	0.064	3.0	0.066	0.424	19.8	0.35
L9- 011 L9- 012 L9- 013 L9- 014 L9- 015		0.01	0.050	0.002	0.078	0.056	2.2	0.054	0.423	42.4	0.27
L9- 016 L9- 017 L9- 018 L9- 019 L11- 001		0.01	0.089	0.003	0.136	0.067	2.8	0.065	0.447	40.4	0.24
L9- 016 L9- 017 L9- 018 L9- 019 L11- 001		0.02	0.028	0.002	0.072	0.042	1.9	0.040	0.430	18.4	0.25
L9- 016 L9- 017 L9- 018 L9- 019 L11- 001		0.01	0.072	0.002	0.082	0.052	1.9	0.050	0.379	36.4	0.26
L9- 016 L9- 017 L9- 018 L9- 019 L11- 001		0.01	0.035	0.001	0.060	0.056	2.7	0.044	0.855	34.1	0.23
L9- 016 L9- 017 L9- 018 L9- 019 L11- 001		0.07	0.122	0.002	0.396	0.126	3.8	0.124	1.285	109.0	0.26
L9- 016 L9- 017 L9- 018 L9- 019 L11- 001		0.02	0.043	0.002	0.093	0.059	3.3	0.055	0.792	38.1	0.19
L11- 001B L11- 002 L11- 003 L11- 004 L11- 005		0.04	0.068	0.003	0.092	0.068	4.3	0.236	0.824	41.2	0.24
L11- 004 L11- 005		0.01	0.099	0.004	0.079	0.062	3.3	0.059	0.533	24.8	0.29
L11- 004 L11- 005		0.01	0.113	0.003	0.147	0.070	3.0	0.061	1.545	25.3	0.22
L11- 006 L11- 007 L11- 008 L11- 009 L11- 010		<0.01	0.181	0.005	0.209	0.045	4.0	0.035	0.390	136.0	0.21
L11- 011 L11- 012 L11- 013 L11- 014 L11- 015		0.02	0.247	0.015	0.055	0.115	10.1	0.084	0.680	26.8	0.29
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.01	0.060	0.004	0.053	0.045	3.0	0.041	0.328	22.1	0.29
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.02	0.078	0.002	0.049	0.056	3.5	0.060	0.693	28.7	0.31
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.02	0.046	0.002	0.061	0.062	3.4	0.064	0.811	33.3	0.31
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.05	0.157	0.003	0.160	0.122	5.0	0.080	1.460	52.4	0.29
L11- 016 L11- 017 L11- 018 L11- 019 L11- 019B		0.02	0.044	0.001	0.123	0.084	3.8	0.054	1.235	35.9	0.24



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**CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- TL43	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
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
L11- 020		0.10	NSS	0.0025	0.037	0.16	9.20	10	45.4	0.09	0.272	2.83	0.470	2.91	1.205	3.59
L11- 021		0.12	0.002													
L13- 001		0.15	NSS	0.0004	0.019	0.09	7.37	<10	32.0	0.03	0.113	1.94	0.822	1.335	1.175	1.35
L13- 001B		0.17	NSS	0.0005	0.018	0.09	4.62	10	25.3	0.03	0.089	1.60	0.864	1.290	0.864	3.47
L13- 002		0.10	NSS	0.0012	0.013	0.09	2.90	<10	34.4	0.02	0.093	0.48	0.510	1.230	0.602	1.58
L13- 003		0.07	0.002													
L13- 004		0.11	0.002													
L13- 005		0.11	NSS	0.0020	0.074	0.12	3.90	<10	48.2	0.03	0.123	0.29	0.474	1.750	1.100	2.63
L13- 006		0.11	0.001													
L13- 007		0.10	NSS	0.0006	0.033	0.09	1.70	<10	138.0	0.04	0.108	0.36	0.460	1.235	0.726	1.23
L13- 008		0.09	NSS	0.0012	0.062	0.14	4.65	<10	81.3	0.04	0.206	0.55	0.738	2.27	0.822	3.15
L13- 009		0.07	NSS	0.0009	0.046	0.10	2.66	10	93.6	0.03	0.086	0.84	0.559	1.970	0.607	2.30
L13- 010		0.08	NSS	0.0010	0.039	0.41	1.52	<10	30.7	0.08	0.061	0.46	0.311	11.80	2.54	11.85
L13- 011		0.12	0.003													
L13- 012		0.08	0.002													
L13- 013		0.06	NSS	0.0007	0.078	0.14	2.81	<10	62.6	0.05	0.114	0.30	0.505	2.13	0.775	2.57
L13- 014		0.08	NSS	0.0022	0.035	0.10	3.88	10	36.8	0.03	0.105	0.49	0.943	1.620	0.576	2.43
L13- 015		0.10	NSS	0.0019	0.062	0.09	2.52	10	37.4	0.03	0.045	2.80	0.836	1.490	1.410	2.30
L13- 016		0.08	<0.001													
L13- 017		0.09	NSS	0.0005	0.028	0.12	4.40	10	51.8	0.06	0.088	2.54	0.834	3.68	3.22	2.80
L13- 018		0.12	NSS	0.0011	0.037	0.08	13.90	10	54.2	0.02	0.078	2.35	0.749	2.12	4.54	1.91
L13- 019		0.11	NSS	0.0014	0.037	0.09	5.16	10	42.7	0.04	0.072	2.63	1.445	1.755	2.40	4.31
L13- 019B		0.08	NSS	0.0034	0.036	0.12	9.38	10	41.3	0.03	0.057	2.56	1.245	1.805	2.68	5.72
L13- 020		0.09	NSS	0.0006	0.035	0.11	3.90	10	37.2	0.05	0.257	2.44	0.549	1.840	1.150	3.26
L13- 021		0.11	NSS	0.0014	0.034	0.11	3.09	10	35.6	0.04	0.157	1.98	0.268	1.900	0.555	2.39
L14- 001		0.09	NSS	0.0007	0.074	0.18	64.9	10	85.2	0.06	0.333	2.06	1.315	4.99	43.2	2.54
L14- 001B		0.19	NSS	0.0006	0.048	0.16	34.9	10	84.1	0.05	0.223	1.96	1.470	4.83	39.4	2.15
L14- 002		0.15	NSS	0.227	0.578	0.11	12.65	10	31.6	0.03	0.072	1.44	0.873	1.740	6.93	4.47
L14- 003		0.14	NSS	0.0014	0.047	0.13	16.25	<10	36.8	0.06	0.247	1.13	0.236	1.990	1.170	3.47
L14- 004		0.15	NSS	0.0011	0.049	0.12	10.50	10	26.9	0.04	0.113	1.25	0.408	1.845	5.34	2.92
L14- 005		0.05	NSS	0.0008	0.017	0.08	2.91	<10	63.9	0.02	0.058	0.39	0.722	1.050	0.771	1.63
L14- 006		0.07	NSS	0.0007	0.189	0.09	1.74	<10	86.6	0.04	0.064	0.56	0.923	5.03	1.350	2.42
L14- 007		0.08	NSS	0.0015	0.056	0.11	1.46	10	109.0	0.03	0.070	0.64	0.507	1.770	1.380	2.73
L14- 008		0.12	0.001													
L14- 009		0.11	NSS	0.0008	0.033	0.16	4.37	<10	51.7	0.04	0.105	0.52	0.379	2.59	1.315	3.77
L14- 010		0.11	NSS	0.0023	0.020	0.11	3.87	<10	28.6	0.03	0.061	0.86	0.335	2.14	2.06	4.10
L14- 011		0.14	NSS	0.0017	0.076	0.15	24.8	<10	50.9	0.04	0.255	1.26	1.800	6.05	205	4.82
L14- 012		0.09	NSS	0.0011	0.046	0.24	11.90	10	146.0	0.09	0.177	2.40	2.60	13.50	53.9	3.78
L14- 013		0.10	NSS	0.0016	0.148	0.17	5.97	10	133.5	0.07	0.165	1.60	1.585	4.52	13.75	4.44
L14- 014		0.08	NSS	0.0032	0.025	0.33	2.24	10	58.5	0.10	0.039	1.12	0.868	11.45	10.95	7.80



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**CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	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	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
L11- 020		0.319	11.25	0.430	0.592	0.041	0.016	0.251	0.017	0.06	1.805	0.8	0.13	1260	0.56	0.011
L11- 021																
L13- 001		0.169	9.23	0.227	0.220	0.021	0.008	0.134	0.008	0.04	0.783	0.3	0.09	186.0	0.77	0.005
L13- 001B		0.209	10.35	0.206	0.246	0.018	0.005	0.114	0.006	0.05	0.704	0.5	0.10	91.9	0.54	0.007
L13- 002		0.238	6.74	0.160	0.252	0.022	0.006	0.184	0.007	0.10	0.645	0.4	0.08	81.7	0.23	0.010
L13- 003																
L13- 004																
L13- 005		0.632	6.89	0.340	0.458	0.034	0.008	0.229	0.006	0.10	1.240	0.5	0.07	161.5	0.34	0.003
L13- 006																
L13- 007		0.534	7.01	0.150	0.291	0.018	0.006	0.169	0.005	0.08	0.741	0.3	0.06	390	0.20	0.009
L13- 008		0.379	6.41	0.340	0.498	0.042	0.008	0.271	0.013	0.10	1.165	0.6	0.08	229	0.41	0.016
L13- 009		0.196	7.44	0.188	0.322	0.024	0.007	0.223	0.005	0.07	1.050	0.5	0.08	352	0.20	0.006
L13- 010		0.291	12.25	0.610	1.350	0.028	0.019	0.102	0.006	0.05	5.76	3.2	0.14	105.5	0.24	0.006
L13- 011																
L13- 012																
L13- 013		0.558	7.47	0.250	0.449	0.025	0.007	0.191	0.009	0.10	1.060	0.6	0.06	197.0	0.27	0.010
L13- 014		0.261	7.05	0.207	0.348	0.020	0.007	0.176	0.006	0.12	0.815	0.5	0.09	109.0	0.29	0.013
L13- 015		0.214	8.33	0.178	0.255	0.018	0.005	0.112	<0.005	0.07	0.904	0.5	0.09	1810	0.65	0.018
L13- 016																
L13- 017		0.229	11.70	0.350	0.403	0.024	0.006	0.153	0.007	0.07	1.610	0.5	0.10	2930	0.49	0.018
L13- 018		0.234	7.51	0.660	0.316	0.018	0.003	0.127	<0.005	0.10	1.045	0.4	0.13	4040	0.53	0.019
L13- 019		0.243	12.05	0.215	0.330	0.017	0.007	0.118	<0.005	0.08	0.886	0.7	0.14	2590	0.70	0.017
L13- 019B		0.297	11.80	0.245	0.357	0.014	0.009	0.109	<0.005	0.09	0.977	1.0	0.17	1900	0.58	0.026
L13- 020		0.203	12.20	0.223	0.331	0.021	0.010	0.162	0.008	0.06	1.150	0.8	0.12	957	0.68	0.011
L13- 021		0.297	23.6	0.241	0.404	0.031	0.014	0.132	0.012	0.06	1.075	0.6	0.10	387	0.33	0.015
L14- 001		0.217	8.69	1.660	0.968	0.066	0.009	0.212	0.017	0.04	1.845	0.4	0.09	9210	2.09	0.008
L14- 001B		0.189	8.39	1.270	0.777	0.054	0.002	0.183	0.013	0.05	1.525	0.4	0.10	10050	1.69	0.004
L14- 002		0.203	9.66	0.340	0.352	0.021	0.005	0.118	0.006	0.06	0.800	0.8	0.13	1525	0.79	0.009
L14- 003		0.232	6.83	0.370	0.628	0.073	0.012	0.256	0.015	0.03	1.000	0.6	0.08	201	0.51	0.009
L14- 004		0.309	10.20	0.370	0.401	0.029	0.008	0.160	0.010	0.07	1.135	0.6	0.09	292	0.99	0.012
L14- 005		0.497	7.19	0.114	0.240	0.011	0.004	0.093	<0.005	0.12	0.607	0.4	0.07	168.5	0.20	0.008
L14- 006		0.151	13.30	0.137	0.255	0.014	0.006	0.162	0.005	0.07	6.06	0.5	0.06	119.5	0.24	0.005
L14- 007		0.751	11.70	0.145	0.310	0.012	0.004	0.147	<0.005	0.11	1.100	0.6	0.09	1285	0.19	0.007
L14- 008																
L14- 009		0.228	11.50	0.310	0.527	0.020	0.009	0.195	0.006	0.06	1.125	0.8	0.10	174.5	0.24	0.007
L14- 010		0.446	15.75	0.192	0.347	0.018	0.006	0.142	<0.005	0.11	1.020	0.8	0.11	617	0.34	0.007
L14- 011		0.409	13.85	1.180	1.395	0.050	0.003	0.132	0.016	0.09	2.12	0.8	0.12	22600	1.96	0.015
L14- 012		0.376	14.95	0.720	1.175	0.038	0.009	0.189	0.019	0.05	3.22	0.7	0.14	10900	1.30	0.002
L14- 013		0.751	12.20	0.350	0.776	0.030	0.010	0.178	0.011	0.09	1.685	0.9	0.11	4600	0.45	0.008
L14- 014		0.511	21.2	0.630	1.010	0.028	0.009	0.066	0.006	0.08	3.69	2.1	0.16	3440	0.27	0.015



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**CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	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	
		Nb ppm	Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm
L11- 020		0.135	4.72	0.059	44.0	<0.001	<0.002	5.28	<0.001	0.19	0.394	0.553	1.2	1.05	40.7	<0.005
L11- 021																
L13- 001		0.045	2.78	0.062	18.10	<0.001	<0.002	2.67	<0.001	0.20	0.273	0.414	0.8	0.31	35.7	<0.005
L13- 001B		0.050	4.36	0.060	13.70	<0.001	<0.002	3.34	<0.001	0.18	0.225	0.361	0.7	0.27	31.5	<0.005
L13- 002		0.060	3.23	0.067	9.06	0.001	<0.002	4.71	0.001	0.18	0.155	0.374	0.7	0.33	19.45	<0.005
L13- 003																
L13- 004																
L13- 005		0.088	4.26	0.095	9.04	0.001	<0.002	8.82	0.001	0.14	0.321	0.524	1.0	0.79	15.95	<0.005
L13- 006																
L13- 007		0.052	3.89	0.073	13.00	<0.001	<0.002	7.63	0.001	0.17	0.184	0.388	0.6	0.37	11.25	<0.005
L13- 008		0.091	4.01	0.079	26.2	<0.001	<0.002	5.82	0.001	0.16	0.314	0.587	1.0	0.83	16.65	<0.005
L13- 009		0.064	3.20	0.068	9.91	<0.001	<0.002	4.06	<0.001	0.15	0.154	0.451	0.7	0.30	26.3	<0.005
L13- 010		0.437	7.58	0.051	4.92	<0.001	<0.002	3.09	0.001	0.09	0.084	1.175	0.5	0.25	12.50	<0.005
L13- 011																
L13- 012																
L13- 013		0.112	5.70	0.089	10.35	<0.001	<0.002	6.92	<0.001	0.14	0.215	0.567	0.7	0.45	9.34	<0.005
L13- 014		0.071	3.66	0.072	10.15	<0.001	<0.002	6.40	<0.001	0.16	0.202	0.460	0.6	0.42	15.50	<0.005
L13- 015		0.046	3.90	0.079	4.75	<0.001	<0.002	4.16	0.004	0.18	0.115	0.446	0.7	0.18	33.9	<0.005
L13- 016																
L13- 017		0.057	5.27	0.077	9.78	<0.001	<0.002	4.50	0.001	0.19	0.195	0.412	0.7	0.26	37.5	<0.005
L13- 018		0.036	3.80	0.111	14.40	0.001	<0.002	6.64	0.005	0.22	0.143	0.421	0.8	0.16	34.2	0.005
L13- 019		0.052	4.12	0.087	13.10	<0.001	<0.002	4.83	0.001	0.18	0.152	0.443	0.6	0.19	35.9	<0.005
L13- 019B		0.064	20.8	0.086	9.29	0.001	<0.002	5.24	0.001	0.19	0.157	0.437	0.5	0.18	37.4	<0.005
L13- 020		0.065	8.02	0.061	9.38	<0.001	<0.002	4.26	0.001	0.18	0.200	0.482	0.7	0.26	40.1	<0.005
L13- 021		0.086	3.38	0.052	23.4	<0.001	<0.002	4.30	<0.001	0.16	0.231	0.517	0.8	0.54	35.7	<0.005
L14- 001		0.088	4.53	0.099	80.2	<0.001	<0.002	2.25	0.001	0.21	0.451	0.449	1.6	0.76	42.1	<0.005
L14- 001B		0.060	5.68	0.092	64.7	<0.001	<0.002	3.07	0.001	0.20	0.354	0.323	1.1	0.42	38.6	<0.005
L14- 002		0.047	6.90	0.059	18.70	0.001	<0.002	3.30	<0.001	0.16	0.267	0.401	0.5	0.22	26.5	<0.005
L14- 003		0.103	4.47	0.052	25.5	<0.001	<0.002	1.765	0.001	0.15	0.528	0.573	0.9	1.09	27.0	<0.005
L14- 004		0.066	4.21	0.095	16.95	<0.001	<0.002	3.54	<0.001	0.24	0.303	0.379	0.6	0.27	28.8	<0.005
L14- 005		0.052	3.53	0.072	4.07	<0.001	<0.002	8.01	<0.001	0.15	0.135	0.329	0.5	0.24	11.90	<0.005
L14- 006		0.051	4.41	0.064	7.75	<0.001	<0.002	3.16	<0.001	0.13	0.100	0.313	0.5	0.17	33.6	<0.005
L14- 007		0.060	7.04	0.118	4.31	0.001	<0.002	8.62	<0.001	0.17	0.169	0.420	0.8	0.24	19.00	<0.005
L14- 008																
L14- 009		0.119	5.06	0.080	10.50	0.001	<0.002	3.84	0.001	0.16	0.183	0.576	0.7	0.42	17.55	<0.005
L14- 010		0.072	6.65	0.079	5.97	<0.001	<0.002	6.51	<0.001	0.20	0.130	0.395	0.6	0.19	19.90	<0.005
L14- 011		0.082	6.58	0.128	160.0	0.001	<0.002	4.95	<0.001	0.22	0.329	0.576	1.0	0.49	26.2	<0.005
L14- 012		0.084	8.86	0.085	70.6	<0.001	<0.002	3.06	<0.001	0.17	0.258	0.549	0.9	0.34	38.6	<0.005
L14- 013		0.102	6.61	0.109	29.7	0.009	<0.002	6.13	<0.001	0.19	0.245	0.605	0.7	0.55	33.9	<0.005
L14- 014		0.308	10.15	0.085	5.08	<0.001	<0.002	5.25	<0.001	0.14	0.072	0.729	0.2	0.14	21.2	<0.005



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**CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
		Te ppm 0.01	Th ppm 0.002	Ti % 0.001	Tl ppm 0.002	U ppm 0.005	V ppm 0.1	W ppm 0.001	Y ppm 0.003	Zn ppm 0.1	Zr ppm 0.01
L11- 020 L11- 021		0.02	0.179	0.003	0.086	0.120	4.4	0.085	1.155	34.6	0.62
L13- 001 L13- 001B L13- 002		0.01 0.01 0.01	0.033 0.024 0.032	0.001 0.001 0.002	0.045 0.046 0.109	0.040 0.037 0.046	2.7 2.6 1.9	0.047 0.049 0.045	0.516 0.478 0.358	27.6 25.7 38.9	0.25 0.19 0.20
L13- 003 L13- 004 L13- 005 L13- 006 L13- 007		0.01 0.01 0.01 0.01 0.01	0.104 0.059	0.004 0.002	0.025 0.093	0.064 0.045	3.1 1.9	0.066 0.050	0.412 0.332	33.8 28.4	0.23 0.17
L13- 008 L13- 009 L13- 010 L13- 011 L13- 012		0.02 0.02 0.01	0.142 0.118 0.702	0.003 0.003 0.018	0.115 0.103 0.081	0.078 0.071 0.473	3.1 2.6 13.3	0.097 0.054 0.044	0.585 0.518 2.38	43.2 69.3 28.5	0.31 0.26 0.70
L13- 013 L13- 014 L13- 015 L13- 016 L13- 017		0.01 <0.01 <0.01 0.02	0.131 0.094 0.018 0.056	0.004 0.003 0.001 0.002	0.066 0.060 0.053 0.131	0.072 0.061 0.052 0.063	3.5 2.5 2.6 5.2	0.061 0.051 0.042 0.041	0.501 0.415 0.563 1.105	31.9 29.4 51.9 55.9	0.23 0.22 0.19 0.21
L13- 018 L13- 019 L13- 019B L13- 020 L13- 021		0.04 0.03 0.03 0.16 0.01	0.028 0.037 0.059 0.069 0.154	0.001 0.002 0.003 0.002 0.003	0.111 0.121 0.106 0.107 0.053	0.052 0.063 0.064 0.070 0.065	3.1 2.7 3.5 3.9 3.2	0.048 0.047 0.168 0.056 0.050	0.582 0.594 0.615 0.893 0.640	50.6 55.0 50.2 41.9 41.5	0.08 0.21 0.34 0.32 0.41
L14- 001 L14- 001B L14- 002 L14- 003 L14- 004		0.09 0.06 0.02 0.01 0.03	0.074 0.026 0.039 0.141 0.036	0.003 0.002 0.002 0.004 0.002	0.288 0.329 0.132 0.046 0.050	0.120 0.084 0.047 0.095 0.073	14.6 9.9 4.3 3.6 7.7	0.168 0.065 0.046 0.292 0.055	1.110 0.940 0.515 0.538 0.591	33.5 32.0 28.6 29.2 27.5	0.26 0.12 0.15 0.42 0.32
L14- 005 L14- 006 L14- 007 L14- 008 L14- 009		0.01 0.01 <0.01	0.066 0.063 0.025	0.002 0.002 0.002	0.044 0.091 0.143	0.034 0.043 0.045	2.0 2.3 2.5	0.038 0.083 0.049	0.313 0.976 0.464	36.3 61.1 64.2	0.18 0.17 0.19
L14- 010 L14- 011 L14- 012 L14- 013 L14- 014		<0.01	0.144	0.005	0.052	0.063	4.3	0.048	0.478	46.2	0.35
L14- 010 L14- 011 L14- 012 L14- 013 L14- 014		0.02 0.04 0.03 0.02 0.01	0.060 0.064 0.103 0.124 0.308	0.003 0.005 0.003 0.005 0.013	0.069 0.355 0.334 0.552 0.081	0.046 0.171 0.112 0.081 0.100	3.4 17.8 10.4 5.9 15.0	0.055 0.093 0.079 0.062 0.031	0.566 0.919 2.14 0.976 1.790	43.5 43.7 93.5 119.5 68.3	0.24 0.10 0.23 0.26 0.23



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**CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	WEI- 21	Au- TL43	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	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	0.01
L14- 015		0.10	0.002													
L14- 016		0.10	NSS	0.0005	0.066	0.08	2.31	<10	19.2	0.03	0.045	0.78	0.777	1.805	1.375	2.62
L14- 017		0.09	NSS	0.0011	0.033	0.10	11.30	10	44.7	0.04	0.136	0.67	0.904	2.03	0.515	2.14
L14- 018		0.11	NSS	0.0018	0.047	0.13	5.08	10	18.2	0.06	0.047	1.28	0.483	2.78	1.795	5.28
L14- 019		0.11	NSS	0.0045	0.089	0.20	5.10	<10	77.8	0.05	0.184	0.42	0.394	3.33	0.810	4.26
L14- 019B		0.10	NSS	0.0008	0.157	0.15	4.29	<10	95.0	0.06	0.173	0.47	0.443	2.61	0.766	3.37
L14- 020		0.14	0.029													
L14- 021		0.11	NSS	0.146	0.211	0.80	58.2	<10	87.0	0.11	0.744	2.24	0.599	12.15	12.65	66.0
L14- 022		0.10	NSS	0.0006	0.021	0.08	3.33	10	23.4	0.02	0.079	1.16	0.405	1.525	0.738	3.57
L14- 023		0.08	NSS	0.0008	0.026	0.14	7.03	10	35.5	0.07	0.196	2.77	0.840	3.18	1.355	2.82
L15- 001		0.09	NSS	0.0006	0.093	0.07	1.91	<10	54.3	0.02	0.101	0.36	0.290	1.220	0.471	2.04
L15- 002		0.07	NSS	0.0016	0.019	0.13	3.00	<10	54.7	0.04	0.118	0.23	0.648	1.910	0.982	3.73
L15- 003		0.09	NSS	0.0009	0.036	0.11	14.30	10	32.6	0.03	0.086	1.21	0.522	1.740	3.54	4.47
L15- 004		0.12	NSS	0.0105	0.083	0.15	10.90	10	27.0	0.04	0.104	0.81	0.398	2.33	2.38	4.45
L15- 005		0.12	NSS	0.0011	0.029	0.13	14.80	<10	28.4	0.03	0.108	0.72	0.202	2.23	1.095	2.54
L15- 006		0.21	<0.001													
L15- 007		0.11	NSS	0.0011	0.069	0.24	9.11	<10	41.2	0.05	0.213	0.34	0.542	3.59	1.510	3.87
L15- 008		0.06	NSS	0.0014	0.030	0.13	3.46	<10	64.0	0.01	0.109	0.36	0.636	1.775	0.873	2.66
L15- 009		0.09	NSS	0.0022	0.178	0.16	5.98	<10	97.7	0.02	0.085	0.54	0.481	1.985	1.360	6.34
L15- 010		0.15	0.005													
L15- 011		0.07	NSS	0.0006	0.053	0.12	2.99	10	68.8	0.02	0.108	0.77	0.239	1.580	0.683	2.77
L15- 012		0.07	NSS	0.0011	0.023	0.11	1.96	10	78.4	0.03	0.081	0.84	0.355	1.445	1.185	2.58
L15- 013		0.11	0.003													
L15- 014		0.09	NSS	0.0015	0.065	0.11	1.23	<10	31.4	0.02	0.066	0.20	0.461	1.300	0.597	2.74
L15- 015		0.09	NSS	0.0009	0.038	0.14	7.48	<10	36.2	0.03	0.151	0.52	0.649	1.855	1.020	4.10
L15- 015B		0.08	NSS	0.0006	0.035	0.11	2.87	<10	38.0	0.02	0.077	0.43	0.396	1.255	0.732	2.14
L15- 016		0.09	0.002													
L15- 017		0.11	0.001													
L15- 018		0.09	0.001													
L15- 019		0.06	NSS	0.0011	0.032	0.15	2.48	<10	49.7	0.04	0.105	0.19	0.344	2.59	0.718	3.47
L15- 020		0.08	0.003													
L15- 021		0.09	0.002													
L15- 022		0.11	0.003													
L15- 023		0.09	<0.001													
L16- 001		0.14	0.005													
L16- 001B		0.15	0.002													
L16- 002		0.13	NSS	0.0007	0.027	0.08	3.82	<10	21.2	0.02	0.058	0.37	0.372	0.819	0.562	2.01
L16- 003		0.12	NSS	0.0007	0.023	0.06	1.44	<10	16.7	<0.01	0.032	0.35	0.263	0.659	0.537	2.74
L16- 004		0.15	<0.001													
L16- 005		0.11	NSS	0.0012	0.014	0.08	3.97	<10	26.6	0.01	0.040	0.61	0.626	0.874	1.775	2.48



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Sample Description	Method Analyte Units LOR	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	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
L14- 015		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	0.001
L14- 016		0.195	10.10	0.138	0.238	0.014	0.005	0.094	<0.005	0.06	0.883	0.5	0.05	258	0.15	0.013
L14- 017		0.236	7.79	0.225	0.399	0.031	0.007	0.241	0.010	0.10	1.055	0.5	0.06	123.5	0.29	0.014
L14- 018		0.237	15.50	0.199	0.340	0.021	0.006	0.123	<0.005	0.09	1.655	0.9	0.10	93.5	0.22	0.003
L14- 019		0.385	9.68	0.360	0.967	0.034	0.009	0.161	0.013	0.07	1.710	0.9	0.06	147.0	0.30	0.002
L14- 019B		0.320	11.80	0.270	0.602	0.030	0.008	0.172	0.011	0.08	1.390	0.5	0.06	161.5	0.29	0.005
L14- 020																
L14- 021		1.450	56.2	2.45	2.64	0.079	0.024	0.089	0.017	0.22	5.77	10.5	0.94	1640	0.55	0.029
L14- 022		0.314	7.61	0.186	0.301	0.019	0.010	0.136	0.005	0.07	0.794	0.5	0.08	164.0	0.25	0.009
L14- 023		0.316	12.20	0.310	0.476	0.047	0.018	0.175	0.014	0.07	1.665	0.5	0.12	997	0.69	0.010
L15- 001		0.283	6.77	0.145	0.220	0.016	0.004	0.075	<0.005	0.09	0.622	0.3	0.06	242	0.15	0.006
L15- 002		0.462	9.16	0.300	0.402	0.023	0.004	0.185	0.006	0.11	0.979	0.5	0.09	135.0	0.33	0.010
L15- 003		0.305	9.23	0.500	0.317	0.020	0.007	0.195	<0.005	0.06	0.962	0.7	0.11	144.0	0.47	0.014
L15- 004		0.274	9.71	0.560	0.456	0.038	0.011	0.128	0.008	0.07	1.275	0.7	0.10	73.7	0.58	0.024
L15- 005		0.136	5.88	0.450	0.404	0.029	0.007	0.211	0.008	0.03	1.150	0.3	0.06	76.2	0.34	0.008
L15- 006																
L15- 007		0.308	8.12	0.390	0.705	0.042	0.009	0.335	0.012	0.06	1.860	0.6	0.07	110.0	0.50	0.007
L15- 008		0.358	7.58	0.213	0.349	0.020	0.007	0.182	<0.005	0.10	0.966	0.4	0.08	183.5	0.31	0.010
L15- 009		0.287	9.52	0.260	0.412	0.021	0.007	0.154	0.005	0.09	1.005	1.0	0.12	350	0.24	0.008
L15- 010																
L15- 011		0.414	8.31	0.188	0.434	0.018	0.006	0.144	0.005	0.11	0.820	0.4	0.07	1335	0.29	0.004
L15- 012		0.363	6.82	0.174	0.339	0.015	0.005	0.179	<0.005	0.09	0.797	0.4	0.08	1105	0.24	0.005
L15- 013																
L15- 014		0.431	5.18	0.151	0.391	0.014	0.006	0.105	<0.005	0.09	0.693	0.3	0.06	125.5	0.20	0.005
L15- 015		0.246	8.41	0.300	0.458	0.029	0.005	0.210	0.009	0.09	0.933	0.4	0.07	236	0.37	0.015
L15- 015B		0.266	8.15	0.208	0.389	0.019	0.004	0.135	0.006	0.10	0.640	0.3	0.05	192.5	0.29	0.008
L15- 016																
L15- 017																
L15- 018																
L15- 019		0.300	4.36	0.222	0.485	0.027	0.009	0.176	0.006	0.09	1.290	0.5	0.07	112.5	0.28	0.006
L15- 020																
L15- 021																
L15- 022																
L15- 023																
L16- 001																
L16- 001B																
L16- 002		0.157	4.59	0.109	0.170	0.009	0.004	0.081	<0.005	0.08	0.406	0.2	0.06	56.2	0.20	0.013
L16- 003		0.210	4.22	0.097	0.130	0.010	<0.002	0.057	<0.005	0.10	0.337	0.2	0.06	70.6	0.20	0.008
L16- 004																
L16- 005		0.284	4.58	0.246	0.170	0.013	0.004	0.101	<0.005	0.09	0.462	0.2	0.07	94.7	0.22	0.011





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Sample Description	Method Analyte Units LOR	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	
		Nb ppm	Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm
L14- 015		0.062	3.72	0.043	4.79	0.001	<0.002	3.76	<0.001	0.12	0.089	0.319	0.4	0.14	14.00	<0.005
L14- 016		0.073	2.96	0.068	21.8	<0.001	<0.002	5.26	0.001	0.15	0.239	0.487	0.8	0.52	15.40	<0.005
L14- 017		0.063	6.69	0.067	4.35	0.002	<0.002	4.97	<0.001	0.16	0.135	0.430	0.5	0.16	15.95	<0.005
L14- 018		0.224	4.65	0.072	30.6	<0.001	<0.002	3.84	<0.001	0.13	0.279	0.503	0.8	0.73	22.5	<0.005
L14- 019																
L14- 019B		0.119	4.82	0.072	27.4	0.001	<0.002	4.26	<0.001	0.13	0.266	0.455	0.7	0.58	25.5	<0.005
L14- 020																
L14- 021		0.419	74.7	0.058	16.10	0.016	0.002	11.65	0.001	0.37	0.423	2.50	0.6	0.56	43.7	<0.005
L14- 022		0.080	4.02	0.056	10.00	0.001	<0.002	5.20	<0.001	0.14	0.175	0.493	0.7	0.29	24.6	<0.005
L14- 023		0.110	4.58	0.068	46.2	<0.001	<0.002	4.88	0.001	0.20	0.325	0.539	1.2	0.78	43.9	<0.005
L15- 001		0.050	3.32	0.050	6.35	<0.001	<0.002	5.63	<0.001	0.09	0.117	0.359	0.4	0.24	7.32	<0.005
L15- 002		0.087	5.86	0.081	16.25	<0.001	<0.002	6.50	<0.001	0.14	0.244	0.345	0.9	0.45	13.55	0.006
L15- 003		0.071	7.19	0.074	14.05	0.001	<0.002	4.54	0.001	0.17	0.260	0.479	0.6	0.26	24.1	<0.005
L15- 004		0.084	6.13	0.074	17.65	<0.001	<0.002	3.57	0.001	0.19	0.248	0.592	0.8	0.51	18.45	<0.005
L15- 005		0.073	3.69	0.066	17.00	0.001	<0.002	1.315	<0.001	0.16	0.274	0.510	0.8	0.44	16.35	<0.005
L15- 006																
L15- 007		0.165	6.22	0.076	30.6	<0.001	<0.002	4.60	0.001	0.16	0.369	0.709	1.2	0.92	14.95	<0.005
L15- 008		0.088	4.83	0.106	10.55	<0.001	<0.002	6.82	<0.001	0.14	0.242	0.416	1.0	0.47	21.8	<0.005
L15- 009		0.073	8.65	0.073	6.67	0.001	<0.002	6.93	<0.001	0.15	0.213	0.524	1.0	0.31	13.75	<0.005
L15- 010																
L15- 011		0.113	3.29	0.100	9.85	0.001	<0.002	6.85	<0.001	0.17	0.208	0.360	0.7	0.49	19.90	<0.005
L15- 012		0.087	4.01	0.097	7.18	0.001	<0.002	5.62	<0.001	0.19	0.178	0.399	0.7	0.33	20.9	<0.005
L15- 013																
L15- 014		0.091	3.71	0.084	4.14	<0.001	<0.002	6.73	<0.001	0.13	0.169	0.375	0.8	0.27	11.85	<0.005
L15- 015		0.095	5.33	0.082	20.0	<0.001	<0.002	5.30	<0.001	0.17	0.265	0.421	0.9	0.56	10.05	<0.005
L15- 015B		0.067	3.19	0.084	9.28	<0.001	<0.002	5.64	<0.001	0.14	0.168	0.404	0.6	0.32	7.84	<0.005
L15- 016																
L15- 017																
L15- 018																
L15- 019		0.141	4.31	0.081	9.33	0.001	<0.002	5.79	<0.001	0.13	0.258	0.495	0.9	0.42	13.55	<0.005
L15- 020																
L15- 021																
L15- 022																
L15- 023																
L16- 001																
L16- 001B																
L16- 002		0.032	2.16	0.057	7.92	<0.001	<0.002	4.26	0.001	0.11	0.184	0.272	0.6	0.20	9.34	<0.005
L16- 003		0.026	2.80	0.066	4.02	<0.001	<0.002	5.76	0.001	0.10	0.160	0.243	0.4	0.17	7.49	<0.005
L16- 004																
L16- 005		0.035	2.77	0.057	8.34	<0.001	<0.002	6.04	0.001	0.12	0.149	0.370	0.5	0.19	12.70	<0.005



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Sample Description	Method Analyte Units LOR	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	ME- MS41L	
		Te ppm 0.01	Th ppm 0.002	Ti % 0.001	Tl ppm 0.002	U ppm 0.005	V ppm 0.1	W ppm 0.001	Y ppm 0.003	Zn ppm 0.1	Zr ppm 0.01
L14- 015											
L14- 016		<0.01	0.030	0.002	0.052	0.030	2.5	0.023	0.484	46.9	0.18
L14- 017		<0.01	0.133	0.003	0.064	0.067	2.7	0.082	0.608	53.4	0.30
L14- 018		0.01	0.063	0.003	0.036	0.057	3.6	0.572	0.871	19.1	0.26
L14- 019		0.01	0.232	0.009	0.049	0.099	6.8	0.055	0.739	31.4	0.34
L14- 019B		0.01	0.189	0.006	0.056	0.082	4.4	0.075	0.701	40.0	0.35
L14- 020											
L14- 021		0.04	1.030	0.030	0.113	0.400	26.4	1.155	3.19	78.7	1.05
L14- 022		<0.01	0.105	0.003	0.061	0.045	2.6	0.051	0.403	33.6	0.31
L14- 023		0.01	0.173	0.003	0.092	0.107	4.6	0.070	1.155	28.9	0.54
L15- 001		<0.01	0.024	0.002	0.084	0.034	1.7	0.060	0.379	23.3	0.13
L15- 002		0.01	0.012	0.003	0.057	0.066	2.8	0.062	0.549	18.0	0.18
L15- 003		0.01	0.064	0.003	0.107	0.061	3.8	0.216	0.499	30.4	0.25
L15- 004		0.01	0.100	0.003	0.098	0.115	4.6	0.075	0.654	25.0	0.35
L15- 005		0.01	0.072	0.003	0.036	0.078	3.0	0.056	0.667	19.5	0.24
L15- 006											
L15- 007		0.01	0.243	0.006	0.033	0.119	5.1	0.071	0.730	26.7	0.38
L15- 008		<0.01	0.054	0.003	0.074	0.062	2.7	0.070	0.430	23.9	0.23
L15- 009		0.01	0.118	0.003	0.084	0.051	3.3	0.142	0.426	39.6	0.22
L15- 010											
L15- 011		<0.01	0.090	0.004	0.082	0.054	3.2	0.055	0.372	52.5	0.24
L15- 012		<0.01	0.057	0.003	0.107	0.052	2.6	0.064	0.406	48.0	0.21
L15- 013											
L15- 014		<0.01	0.022	0.003	0.071	0.043	2.9	0.042	0.279	35.2	0.18
L15- 015		0.01	0.075	0.004	0.061	0.077	3.6	0.065	0.559	33.2	0.23
L15- 015B		<0.01	0.050	0.003	0.062	0.057	4.3	0.042	0.386	33.4	0.17
L15- 016											
L15- 017											
L15- 018											
L15- 019		<0.01	0.149	0.005	0.037	0.071	3.4	0.057	0.501	29.6	0.30
L15- 020											
L15- 021											
L15- 022											
L15- 023											
L16- 001											
L16- 001B											
L16- 002		<0.01	0.013	0.001	0.050	0.031	1.2	0.041	0.245	19.8	0.09
L16- 003		<0.01	0.004	0.001	0.045	0.025	1.1	0.028	0.203	21.0	0.06
L16- 004											
L16- 005		<0.01	0.016	0.001	0.130	0.042	1.3	0.029	0.223	30.3	0.09



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- TL43 Au ppm	ME- MS41L Au ppm	ME- MS41L Ag ppm	ME- MS41L Al %	ME- MS41L As ppm	ME- MS41L B ppm	ME- MS41L Ba ppm	ME- MS41L Be ppm	ME- MS41L Bi ppm	ME- MS41L Ca %	ME- MS41L Cd ppm	ME- MS41L Ce ppm	ME- MS41L Co ppm	ME- MS41L Cr ppm
L16- 006		0.13	NSS	0.0013	0.034	0.09	3.36	<10	17.6	0.02	0.048	0.60	0.236	1.095	1.260	6.33
L16- 007		0.11	0.001													
L16- 008		0.12	NSS	0.0008	0.033	0.10	6.90	<10	26.2	0.02	0.053	0.70	0.265	1.400	2.14	3.86
L16- 009		0.12	0.001													
L16- 010		0.09	0.002													
L16- 011		0.09	0.001													
L16- 012		0.08	<0.001													
L16- 013		0.08	0.002													
L16- 014		0.08	0.001													
L16- 015		0.08	0.001													
L16- 016		0.07	0.001													
L16- 017		0.09	0.001													
L16- 018		0.06	NSS	0.0008	0.357	0.15	9.06	<10	101.5	0.04	0.235	0.49	0.868	2.21	0.730	3.10
L16- 019		0.09	<0.001													
L16- 020		0.12	<0.001													
L16- 020B		0.11	<0.001													
L16- 21		0.08	<0.001													
L16- 22		0.10	0.001													
L16- 23		0.14	<0.001													
L16- 24		0.07	<0.001													
L16- 25		0.11	<0.001													
L16- 26		0.11	NSS	0.0011	0.027	0.08	2.65	10	15.3	0.02	0.052	1.94	0.296	1.070	0.635	3.91
L16- 27		0.12	<0.001													
L16- 28		0.06	<0.001													
L16- 29		0.09	0.004													
L16- 30		0.09	0.004													
L16- 31		0.07	<0.001													
L16- 32		0.11	NSS	0.0067	0.016	0.06	3.23	10	17.5	0.01	0.042	2.23	0.343	0.767	0.612	6.05
L16- 33		0.10	NSS	0.0011	0.036	0.06	2.07	10	12.2	0.01	0.051	1.78	0.404	0.737	0.532	4.05
L16- 34		0.12	0.002													
L16- 35		0.15	<0.001													
L17- 001		0.07	<0.001													
L17- 001B		0.08	0.003													
L17- 002		0.23	0.001													
L17- 003		0.08	0.001													
L17- 004		0.07	<0.001													
L17- 005		0.07	NSS	0.105	0.207	0.17	2.93	<10	103.5	0.02	0.099	1.26	0.602	2.52	1.480	9.94
L17- 006		0.11	<0.001													
L17- 007		0.11	0.001													
L17- 008		0.11	0.012													



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Sample Description	Method Analyte Units LOR	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	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
L16- 006 L16- 007 L16- 008 L16- 009 L16- 010		0.146	11.00	0.182	0.215	0.010	0.002	0.071	<0.005	0.04	0.556	0.7	0.09	121.5	0.23	0.014
L16- 011 L16- 012 L16- 013 L16- 014 L16- 015		0.260	8.11	0.320	0.234	0.012	0.004	0.092	<0.005	0.07	0.850	0.4	0.11	145.5	0.33	0.023
L16- 016 L16- 017 L16- 018 L16- 019 L16- 020		0.470	7.66	0.270	0.602	0.043	0.008	0.264	0.016	0.08	1.190	0.3	0.06	408	0.41	0.004
L16- 020B L16- 21 L16- 22 L16- 23 L16- 24																
L16- 25 L16- 26 L16- 27 L16- 28 L16- 29		0.174	9.02	0.143	0.210	0.013	0.006	0.089	<0.005	0.08	0.790	0.5	0.11	306	0.49	0.006
L16- 30 L16- 31 L16- 32 L16- 33 L16- 34		0.197 0.169	6.16 5.24	0.101 0.095	0.167 0.172	0.010 0.010	0.005 0.005	0.056 0.084	<0.005 <0.005	0.06 0.05	0.414 0.393	0.7 0.5	0.12 0.11	101.0 48.0	0.52 0.38	0.013 0.008
L16- 35 L17- 001 L17- 001B L17- 002 L17- 003																
L17- 004 L17- 005 L17- 006 L17- 007 L17- 008		0.392	9.07	0.330	0.482	0.020	0.005	0.137	0.005	0.09	1.285	0.9	0.39	1075	0.28	0.005



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Sample Description	Method Analyte Units LOR	ME- MS41L Nb ppm	ME- MS41L Ni ppm	ME- MS41L P %	ME- MS41L Pb ppm	ME- MS41L Pd ppm	ME- MS41L Pt ppm	ME- MS41L Rb ppm	ME- MS41L Re ppm	ME- MS41L S %	ME- MS41L Sb ppm	ME- MS41L Sc ppm	ME- MS41L Se ppm	ME- MS41L Sn ppm	ME- MS41L Sr ppm	ME- MS41L Ta ppm
L16- 006 L16- 007 L16- 008 L16- 009 L16- 010		0.055	6.88	0.039	4.46	<0.001	<0.002	2.21	0.001	0.10	0.182	0.368	0.4	0.23	11.45	<0.005
L16- 011 L16- 012 L16- 013 L16- 014 L16- 015		0.043	4.99	0.071	7.91	0.001	<0.002	3.60	0.001	0.14	0.150	0.362	0.5	0.24	13.10	<0.005
L16- 016 L16- 017 L16- 018 L16- 019 L16- 020		0.102	3.90	0.089	41.7	0.001	<0.002	5.92	0.001	0.14	0.500	0.527	1.2	1.26	24.1	<0.005
L16- 020B L16- 21 L16- 22 L16- 23 L16- 24																
L16- 25 L16- 26 L16- 27 L16- 28 L16- 29		0.052	4.72	0.052	4.50	0.001	<0.002	5.03	0.001	0.16	0.165	0.314	0.7	0.19	20.1	<0.005
L16- 30 L16- 31 L16- 32 L16- 33 L16- 34		0.039 0.038	6.12 4.17	0.054 0.059	2.44 3.74	<0.001 0.001	<0.002 <0.002	3.52 2.89	0.001 0.001	0.13 0.15	0.185 0.161	0.311 0.309	0.4 0.5	0.17 0.15	20.4 17.40	<0.005 <0.005
L16- 35 L17- 001 L17- 001B L17- 002 L17- 003																
L17- 004 L17- 005 L17- 006 L17- 007 L17- 008		0.090	9.71	0.086	7.09	<0.001	<0.002	4.16	<0.001	0.15	0.179	0.498	0.7	0.33	25.2	<0.005



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Sample Description	Method Analyte Units LOR	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
L16- 006 L16- 007 L16- 008 L16- 009 L16- 010		0.01	0.021	0.002	0.048	0.036	2.3	0.065	0.297	27.2	0.10
L16- 011 L16- 012 L16- 013 L16- 014 L16- 015		0.01	0.021	0.002	0.113	0.084	2.5	0.043	0.313	24.8	0.11
L16- 016 L16- 017 L16- 018 L16- 019 L16- 020		0.02	0.111	0.004	0.076	0.101	2.9	0.072	0.496	53.0	0.30
L16- 020B L16- 21 L16- 22 L16- 23 L16- 24											
L16- 25 L16- 26 L16- 27 L16- 28 L16- 29		<0.01	0.014	0.002	0.045	0.056	2.9	0.050	0.471	28.9	0.19
L16- 30 L16- 31 L16- 32 L16- 33 L16- 34		<0.01 <0.01	0.011 0.017	0.001 0.001	0.034 0.030	0.030 0.040	1.7 1.7	0.065 0.040	0.245 0.223	22.5 26.0	0.13 0.15
L16- 35 L17- 001 L17- 001B L17- 002 L17- 003											
L17- 004 L17- 005 L17- 006 L17- 007 L17- 008		0.01	0.049	0.004	0.218	0.062	4.5	0.056	0.751	82.7	0.16



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L17- 009		0.09	<0.001													
L17- 010		0.08	<0.001													
L17- 011		0.12	0.008													
L17- 012		0.10	0.002													
L17- 013		0.10	NSS	0.0005	0.019	0.07	4.69	10	15.8	0.03	0.081	2.26	1.070	1.360	0.613	2.97



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Sample Description	Method Analyte Units LOR	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	ME- MS41L Na % 0.001
L17- 009 L17- 010 L17- 011 L17- 012 L17- 013		0.199	6.74	0.136	0.218	0.015	0.008	0.158	0.005	0.05	0.704	0.4	0.11	147.0	0.95	0.007

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





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**CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	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	ME- MS41L Ta ppm 0.005
L17- 009 L17- 010 L17- 011 L17- 012 L17- 013		0.046	4.47	0.074	14.90	0.001	<0.002	2.89	0.001	0.19	0.154	0.377	0.7	0.23	24.7	<0.005

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



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 Account: COMSTOM

Project: Old Cabin Property

**CERTIFICATE OF ANALYSIS TB17249931**

Sample Description	Method Analyte Units LOR	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
L17- 009 L17- 010 L17- 011 L17- 012 L17- 013		0.02	0.031	0.001	0.042	0.044	2.4	0.057	0.450	31.3	0.24



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**CERTIFICATE OF ANALYSIS TB17249931**

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

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

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

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada  
LOG- 22 SCR- 41 WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au- TL43 ME- MS41L



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**QC CERTIFICATE TB17253553**

Project: Old Cabin

This report is for 66 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 14- NOV- 2017.

The following have access to data associated with this certificate:

DAVID TERRY

JOHN WALMSLEY

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 22d	Sample login - Rcd w/o BarCode dup
SPL- 21d	Split sample - duplicate
PUL- 32d	Pulverize Split - Dup 85% <75um
DRY- 22	Drying - Maximum Temp 60C
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 32	Fine Crushing 90% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
BAG- 01	Bulk Master for Storage

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION
ME- MS61	48 element four acid ICP- MS
Au- AA24	Au 50g FA AA finish AAS

To: **COMSTOCK METALS LTD.**  
**ATTN: JOHN WALMSLEY**  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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**QC CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	Au- AA24	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
<b>STANDARDS</b>																
G913- 10		6.99														
G913- 10		7.14														
Target Range - Lower Bound		6.66														
Upper Bound		7.52														
JK- 17		1.875														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														
LEA- 16		0.501														
LEA- 16		0.502														
Target Range - Lower Bound		0.466														
Upper Bound		0.536														
MRGeo08			4.22	7.90	34.1	1130	3.45	0.67	2.62	2.14	79.5	18.9	94	11.65	638	3.95
MRGeo08			4.50	7.61	33.7	1150	3.34	0.68	2.67	2.32	78.3	18.8	94	12.95	625	3.99
Target Range - Lower Bound			4.00	6.64	29.5	920	2.98	0.60	2.35	2.00	66.2	17.7	81	11.20	587	3.55
Upper Bound			4.92	8.14	36.5	1270	3.76	0.76	2.90	2.48	81.0	21.9	102	13.80	675	4.37
OGGeo08			19.15	6.85	120.0	870	2.99	9.81	2.20	19.85	70.1	96.3	88	11.05	8220	5.38
Target Range - Lower Bound			18.15	6.07	106.0	700	2.59	9.44	1.98	16.70	64.8	87.2	78	9.85	7800	4.81
Upper Bound			22.2	7.44	130.0	980	3.27	11.55	2.44	20.5	79.2	107.0	98	12.15	8980	5.91
OREAS 503c		0.704														
OREAS 503c		0.679														
Target Range - Lower Bound		0.645														
Upper Bound		0.739														
OREAS 905			0.48	7.56	34.0	2820	2.87	5.75	0.60	0.34	93.0	14.0	19	6.51	1560	4.04
OREAS 905			0.50	7.41	33.6	2770	2.68	5.62	0.60	0.33	94.8	13.4	18	6.91	1475	3.97
Target Range - Lower Bound			0.46	6.67	31.0	2280	2.69	5.14	0.52	0.30	82.8	13.2	16	6.05	1425	3.66
Upper Bound			0.58	8.17	38.4	3110	3.39	6.30	0.66	0.42	101.0	16.4	22	7.51	1640	4.50
OREAS 920			0.09	7.76	5.2	550	3.02	0.65	0.49	0.04	96.8	14.7	82	8.50	106.5	3.98
Target Range - Lower Bound			0.08	6.91	4.4	450	2.54	0.61	0.44	0.04	84.6	13.9	70	7.72	104.0	3.72
Upper Bound			0.13	8.47	5.8	640	3.22	0.77	0.56	0.12	103.5	17.3	88	9.54	120.0	4.56



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Project: Old Cabin

**QC CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm	ME- MS61 Pb ppm
<b>STANDARDS</b>																
G913- 10																
G913- 10																
Target Range - Lower Bound																
Upper Bound																
JK- 17																
Target Range - Lower Bound																
Upper Bound																
LEA- 16																
LEA- 16																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		19.40	0.18	3.1	0.158	3.17	39.3	32.6	1.34	561	15.15	1.98	20.7	709	1070	1100
MRGeo08		19.75	0.16	3.5	0.185	3.16	39.1	33.7	1.32	573	15.65	2.02	21.7	718	1090	1110
Target Range - Lower Bound		17.50	<0.05	2.8	0.155	2.79	31.1	29.5	1.17	497	13.65	1.76	19.0	622	930	971
Upper Bound		21.5	0.27	3.6	0.201	3.43	39.1	36.5	1.45	619	16.75	2.18	23.4	760	1160	1185
OGGeo08		16.70	0.17	3.0	1.460	2.89	35.4	32.4	1.23	516	902	1.83	16.6	8810	880	7440
Target Range - Lower Bound		16.05	0.25	2.5	1.320	2.59	31.0	29.7	1.11	447	841	1.62	15.4	8000	760	6520
Upper Bound		19.75	0.49	3.3	1.620	3.19	39.0	36.7	1.38	557	1030	2.00	19.0	9770	950	7970
OREAS 503c																
OREAS 503c																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		25.2	0.17	7.2	0.652	2.92	46.0	20.0	0.26	376	3.40	2.42	17.9	8.7	280	29.4
OREAS 905		24.0	0.17	7.0	0.657	2.82	47.0	18.4	0.26	378	3.20	2.35	17.6	8.6	270	30.9
Target Range - Lower Bound		22.5	<0.05	6.1	0.571	2.58	40.9	17.8	0.24	333	2.89	2.15	16.2	8.4		26.9
Upper Bound		27.7	0.27	7.6	0.709	3.18	51.1	22.2	0.31	418	3.65	2.65	20.0	10.7		33.9
OREAS 920		19.65	0.25	4.8	0.081	2.81	47.7	32.1	1.30	594	0.40	0.63	16.3	39.1	750	23.6
Target Range - Lower Bound		18.65	0.06	4.0	0.070	2.59	41.0	26.0	1.23	535	0.34	0.56	15.6	37.4		20.7
Upper Bound		22.9	0.28	5.2	0.098	3.19	51.2	32.2	1.53	665	0.58	0.71	19.2	46.2		26.4



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Project: Old Cabin

**QC CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
<b>STANDARDS</b>																
G913- 10																
G913- 10																
Target Range - Lower Bound																
Upper Bound																
JK- 17																
Target Range - Lower Bound																
Upper Bound																
LEA- 16																
LEA- 16																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		210	0.011	0.31	4.55	11.5	<1	4.1	315	1.57	<0.05	20.7	0.494	1.00	5.7	112
MRGeo08		197.0	0.011	0.32	4.79	11.8	1	4.1	316	1.60	<0.05	19.85	0.507	1.14	5.5	114
Target Range - Lower Bound		173.5	0.005	0.27	3.89	11.1	<1	3.5	277	1.39	<0.05	17.90	0.443	0.89	4.9	97
Upper Bound		212	0.013	0.35	5.39	13.7	4	4.7	339	1.81	0.14	21.9	0.553	1.25	6.2	121
OGGeo08		183.5	1.400	2.88	26.2	9.6	11	13.6	254	1.29	0.17	17.15	0.402	1.79	5.0	88
Target Range - Lower Bound		164.5	1.285	2.51	22.8	9.2	8	12.5	224	1.19	0.09	16.90	0.353	1.43	4.5	77
Upper Bound		201	1.575	3.09	31.0	11.4	14	15.7	274	1.57	0.31	20.7	0.443	1.98	5.8	97
OREAS 503c																
OREAS 503c																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		133.5	<0.002	0.07	2.02	4.8	3	3.8	163.0	1.33	0.06	14.10	0.122	0.72	5.0	10
OREAS 905		133.5	<0.002	0.07	2.02	4.6	2	4.4	156.5	1.29	0.08	13.80	0.122	0.78	4.7	10
Target Range - Lower Bound		124.0	<0.002	0.04	1.61	4.3	<1	3.4	141.0	1.16	<0.05	13.15	0.105	0.59	4.4	8
Upper Bound		152.0	0.004	0.09	2.29	5.5	5	4.6	173.0	1.52	0.19	16.05	0.139	0.85	5.6	13
OREAS 920		170.0	0.003	0.03	1.50	13.2	<1	4.8	83.1	1.39	<0.05	19.35	0.474	0.93	3.8	96
Target Range - Lower Bound		158.5	<0.002	<0.01	1.22	12.8	<1	4.3	73.6	1.08	<0.05	17.35	0.434	0.76	3.3	86
Upper Bound		193.5	0.004	0.05	1.76	15.8	2	5.7	90.4	1.43	0.10	21.2	0.542	1.08	4.2	108



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Project: Old Cabin

**QC CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	ME- MS61	ME- MS61	ME- MS61	ME- MS61
		W ppm	Y ppm	Zn ppm	Zr ppm
		0.1	0.1	2	0.5
<b>STANDARDS</b>					
G913- 10					
G913- 10					
Target Range - Lower Bound					
Upper Bound					
JK- 17					
Target Range - Lower Bound					
Upper Bound					
LEA- 16					
LEA- 16					
Target Range - Lower Bound					
Upper Bound					
MRGeo08		4.9	26.6	809	109.0
MRGeo08		5.0	27.9	814	111.5
Target Range - Lower Bound		4.1	23.8	722	92.2
Upper Bound		5.8	29.3	886	126.0
OGGeo08		4.5	25.2	7150	95.7
Target Range - Lower Bound		3.9	21.1	6500	78.6
Upper Bound		5.4	26.0	7950	107.5
OREAS 503c					
OREAS 503c					
Target Range - Lower Bound					
Upper Bound					
OREAS 905		2.8	15.5	139	262
OREAS 905		2.7	15.1	135	252
Target Range - Lower Bound		2.3	14.0	122	214
Upper Bound		3.3	17.4	154	290
OREAS 920		3.3	34.8	116	155.5
Target Range - Lower Bound		2.5	29.8	102	128.0
Upper Bound		3.7	36.6	130	174.0





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**QC CERTIFICATE OF ANALYSIS TB17253553**

Method Analyte Units LOR	Au- AA24	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
Sample Description	Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %	
	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01	
<b>BLANKS</b>																
BLANK	<0.005															
BLANK	0.005															
BLANK	0.007															
BLANK	0.005															
Target Range - Lower Bound	<0.005															
Upper Bound	0.010															
BLANK		<0.01	<0.01	<0.2	<10	<0.05	0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2	<0.01	
BLANK		<0.01	<0.01	0.3	<10	<0.05	0.01	<0.01	<0.02	0.01	<0.1	<1	<0.05	<0.2	<0.01	
BLANK		<0.01	<0.01	<0.2	<10	<0.05	0.02	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2	<0.01	
Target Range - Lower Bound		<0.01	<0.01	<0.2	<10	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2	<0.01	
Upper Bound		0.02	0.02	0.4	20	0.10	0.02	0.02	0.04	0.02	0.2	2	0.10	0.4	0.02	
<b>DUPLICATES</b>																
ORIGINAL	0.885															
DUP	0.897															
Target Range - Lower Bound	0.841															
Upper Bound	0.941															
ORIGINAL	0.005															
DUP	0.029															
Target Range - Lower Bound	0.011															
Upper Bound	0.023															
ORIGINAL	3.43															
DUP	3.03															
Target Range - Lower Bound	3.06															
Upper Bound	3.40															
50115	<0.005															
DUP	<0.005															
Target Range - Lower Bound	<0.005															
Upper Bound	0.010															
50125		0.21	7.44	14.5	370	0.89	0.33	0.98	0.91	52.1	27.8	23	2.17	141.5	3.86	
DUP		0.26	7.49	15.3	370	0.86	0.32	0.99	0.97	52.4	27.6	23	2.17	136.0	3.87	
Target Range - Lower Bound		0.21	7.08	14.0	330	0.78	0.30	0.93	0.87	49.6	26.2	21	2.01	133.5	3.66	
Upper Bound		0.26	7.85	15.8	410	0.97	0.35	1.04	1.01	54.9	29.2	25	2.33	144.0	4.07	



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Project: Old Cabin

**QC CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	ME- MS61 Ga ppm	ME- MS61 Ge ppm	ME- MS61 Hf ppm	ME- MS61 In ppm	ME- MS61 K %	ME- MS61 La ppm	ME- MS61 Li ppm	ME- MS61 Mg %	ME- MS61 Mn ppm	ME- MS61 Mo ppm	ME- MS61 Na %	ME- MS61 Nb ppm	ME- MS61 Ni ppm	ME- MS61 P ppm	ME- MS61 Pb ppm
<b>BLANKS</b>																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.05	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	10	<0.5
BLANK		<0.05	0.10	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10	<0.5
BLANK		<0.05	0.05	<0.1	<0.005	<0.01	<0.5	0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10	<0.5
Target Range - Lower Bound		<0.05	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10	<0.5
Upper Bound		0.10	0.10	0.2	0.010	0.02	1.0	0.4	0.02	10	0.10	0.02	0.2	0.4	20	1.0
<b>DUPLICATES</b>																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
50115																
DUP																
Target Range - Lower Bound																
Upper Bound																
50125		19.75	0.15	5.1	0.178	2.22	25.3	10.3	0.66	603	1.62	0.49	4.4	39.6	490	4.8
DUP		20.0	0.11	5.3	0.179	2.22	25.8	9.4	0.66	608	1.65	0.49	4.4	39.5	480	5.1
Target Range - Lower Bound		18.85	0.07	4.8	0.165	2.10	23.8	9.2	0.62	570	1.50	0.46	4.1	37.4	450	4.2
Upper Bound		20.9	0.19	5.6	0.192	2.34	27.3	10.5	0.70	641	1.77	0.52	4.7	41.7	520	5.7



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 Account: COMSTOM

Project: Old Cabin

**QC CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	ME- MS61 Rb ppm	ME- MS61 Re ppm	ME- MS61 S %	ME- MS61 Sb ppm	ME- MS61 Sc ppm	ME- MS61 Se ppm	ME- MS61 Sn ppm	ME- MS61 Sr ppm	ME- MS61 Ta ppm	ME- MS61 Te ppm	ME- MS61 Th ppm	ME- MS61 Ti %	ME- MS61 Tl ppm	ME- MS61 U ppm	ME- MS61 V ppm
<b>BLANKS</b>																
BLANK		<0.1	<0.002	<0.01	<0.05	<0.1	1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1
BLANK		0.1	0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1
BLANK		<0.1	<0.002	<0.01	0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1
Target Range - Lower Bound		<0.1	<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1	<1
Upper Bound		0.2	0.004	0.02	0.10	0.2	2	0.4	0.4	0.10	0.10	0.02	0.010	0.04	0.2	2
<b>DUPLICATES</b>																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
50115																
DUP																
Target Range - Lower Bound																
Upper Bound																
50125		58.9	0.002	1.45	0.14	8.0	2	2.0	113.5	0.38	0.68	4.24	0.180	0.45	1.1	45
DUP		58.5	<0.002	1.45	0.14	8.0	2	2.1	114.0	0.39	0.64	4.27	0.182	0.43	1.1	45
Target Range - Lower Bound		55.7	<0.002	1.37	0.08	7.5	<1	1.7	108.0	0.32	0.58	4.03	0.167	0.39	0.9	42
Upper Bound		61.7	0.004	1.53	0.20	8.5	3	2.4	119.5	0.45	0.74	4.48	0.195	0.49	1.3	48



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Project: Old Cabin

**QC CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	ME- MS61 W ppm	ME- MS61 Y ppm	ME- MS61 Zn ppm	ME- MS61 Zr ppm
		0.1	0.1	2	0.5
<b>BLANKS</b>					
BLANK					
BLANK					
BLANK					
BLANK					
Target Range - Lower Bound					
Upper Bound					
BLANK		<0.1	<0.1	<2	<0.5
BLANK		0.1	<0.1	<2	<0.5
BLANK		<0.1	<0.1	<2	<0.5
Target Range - Lower Bound		<0.1	<0.1	<2	<0.5
Upper Bound		0.2	0.2	4	1.0
<b>DUPLICATES</b>					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
50115					
DUP					
Target Range - Lower Bound					
Upper Bound					
50125		1.1	10.5	352	190.5
DUP		1.2	10.7	359	190.5
Target Range - Lower Bound		1.0	10.0	336	180.5
Upper Bound		1.3	11.2	375	201



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Project: Old Cabin

**QC CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	Au- AA24	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Au ppm	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
<b>DUPLICATES</b>																
138029			0.07	7.85	2.3	240	0.67	0.09	1.21	0.11	50.5	14.6	27	0.93	10.0	2.85
DUP			0.07	7.82	2.3	230	0.58	0.09	1.21	0.10	52.0	14.0	27	0.94	10.5	2.82
Target Range - Lower Bound			0.06	7.43	2.0	210	0.54	0.08	1.14	0.08	48.7	13.5	25	0.84	9.7	2.68
Upper Bound			0.08	8.24	2.6	260	0.71	0.10	1.28	0.13	53.8	15.1	29	1.03	10.8	2.99
ORIGINAL			0.071													
DUP			0.008													
Target Range - Lower Bound			0.033													
Upper Bound			0.046													
ORIGINAL			0.078													
DUP			0.073													
Target Range - Lower Bound			0.067													
Upper Bound			0.084													
ORIGINAL			0.021													
DUP			0.017													
Target Range - Lower Bound			0.013													
Upper Bound			0.025													
ORIGINAL			2.86													
DUP			3.08													
Target Range - Lower Bound			2.82													
Upper Bound			3.12													
ORIGINAL			<0.005													
DUP			<0.005													
Target Range - Lower Bound			<0.005													
Upper Bound			0.010													
ORIGINAL			0.005													
DUP			<0.005													
Target Range - Lower Bound			<0.005													
Upper Bound			0.010													
ORIGINAL			0.005													
DUP			0.009													
Target Range - Lower Bound			<0.005													
Upper Bound			0.010													



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 Account: COMSTOM

Project: Old Cabin

**QC CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10	Pb ppm 0.5
<b>DUPLICATES</b>																
138029		20.3	0.13	2.9	0.032	0.80	24.3	9.2	0.87	499	0.32	3.97	3.1	25.1	810	2.3
DUP		19.65	0.12	2.8	0.033	0.79	24.8	7.9	0.86	488	0.31	3.91	3.0	24.0	790	2.2
Target Range - Lower Bound		18.95	0.07	2.6	0.026	0.75	22.8	7.9	0.81	464	0.25	3.73	2.8	23.1	750	1.6
Upper Bound		21.0	0.18	3.1	0.039	0.84	26.3	9.2	0.92	523	0.38	4.15	3.3	26.0	850	2.9
ORIGINAL DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Upper Bound																



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**QC CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
<b>DUPLICATES</b>																
138029		20.7	<0.002	0.10	0.11	8.6	<1	0.6	113.5	0.26	<0.05	2.40	0.191	0.17	0.5	70
DUP		20.5	<0.002	0.10	0.11	8.4	<1	0.6	112.5	0.26	<0.05	2.42	0.192	0.15	0.5	69
Target Range - Lower Bound		19.5	<0.002	0.09	<0.05	8.0	<1	0.4	107.0	0.20	<0.05	2.28	0.177	0.13	0.4	65
Upper Bound		21.7	0.004	0.12	0.17	9.0	2	0.8	119.0	0.32	0.10	2.54	0.206	0.19	0.6	74
ORIGINAL DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL DUP																
Target Range - Lower Bound																
Upper Bound																

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



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Project: Old Cabin

<b>QC CERTIFICATE OF ANALYSIS TB17253553</b>
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Sample Description	Method Analyte Units LOR	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
<b>DUPLICATES</b>					
138029		0.2	6.5	53	102.5
DUP		0.2	6.5	52	100.5
Target Range - Lower Bound		<0.1	6.1	48	95.9
Upper Bound		0.3	6.9	57	107.0
ORIGINAL DUP Target Range - Lower Bound Upper Bound					
ORIGINAL DUP Target Range - Lower Bound Upper Bound					
ORIGINAL DUP Target Range - Lower Bound Upper Bound					
ORIGINAL DUP Target Range - Lower Bound Upper Bound					
ORIGINAL DUP Target Range - Lower Bound Upper Bound					
ORIGINAL DUP Target Range - Lower Bound Upper Bound					
ORIGINAL DUP Target Range - Lower Bound Upper Bound					

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





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Project: Old Cabin

**QC CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	Au- AA24 Au ppm 0.005	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2	ME- MS61 Fe % 0.01
<b>DUPLICATES</b>																
ORIGINAL			0.02	6.67	0.4	540	1.47	0.08	1.14	0.02	35.6	2.8	17	2.37	7.9	1.27
DUP			0.02	6.35	0.4	520	1.12	0.07	1.07	0.02	33.4	2.5	17	2.23	7.5	1.22
Target Range - Lower Bound			<0.01	6.17	<0.2	480	1.18	0.06	1.04	<0.02	32.8	2.4	15	2.14	7.2	1.17
Upper Bound			0.03	6.85	0.6	580	1.41	0.09	1.17	0.04	36.2	2.9	19	2.47	8.2	1.32
ORIGINAL		0.070														
DUP		0.069														
Target Range - Lower Bound		0.061														
Upper Bound		0.078														



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**QC CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	
		Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.1	In ppm 0.005	K % 0.01	La ppm 0.5	Li ppm 0.2	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01	Nb ppm 0.1	Ni ppm 0.2	P ppm 10	Pb ppm 0.5
<b>DUPLICATES</b>																
ORIGINAL		9.98	0.14	2.0	0.014	2.21	19.0	10.3	0.28	393	0.92	3.40	6.0	6.9	350	6.3
DUP		9.39	0.17	1.9	0.009	2.10	18.6	9.6	0.26	371	0.75	3.23	5.6	6.5	330	6.4
Target Range - Lower Bound		9.15	0.10	1.8	0.006	2.04	17.4	9.3	0.25	358	0.74	3.14	5.4	6.2	310	5.5
Upper Bound		10.20	0.21	2.1	0.017	2.27	20.2	10.6	0.29	406	0.93	3.49	6.2	7.2	370	7.2
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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**QC CERTIFICATE OF ANALYSIS TB17253553**

Sample Description	Method Analyte Units LOR	ME- MS61 Rb ppm	ME- MS61 Re ppm	ME- MS61 S %	ME- MS61 Sb ppm	ME- MS61 Sc ppm	ME- MS61 Se ppm	ME- MS61 Sn ppm	ME- MS61 Sr ppm	ME- MS61 Ta ppm	ME- MS61 Te ppm	ME- MS61 Th ppm	ME- MS61 Ti %	ME- MS61 Tl ppm	ME- MS61 U ppm	ME- MS61 V ppm
		0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1	1
		<b>DUPLICATES</b>														
ORIGINAL		60.0	<0.002	0.02	0.53	2.4	<1	0.5	196.0	0.37	<0.05	7.25	0.122	0.29	1.7	18
DUP		53.6	<0.002	0.02	0.48	2.3	<1	0.6	186.0	0.34	<0.05	6.66	0.116	0.26	1.5	17
Target Range - Lower Bound		53.9	<0.002	<0.01	0.42	2.1	<1	0.3	181.5	0.29	<0.05	6.60	0.108	0.23	1.4	16
Upper Bound		59.7	0.004	0.03	0.59	2.6	2	0.8	201	0.42	0.10	7.31	0.130	0.32	1.8	19
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Project: Old Cabin

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Sample Description	Method Analyte Units LOR	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
<b>DUPLICATES</b>					
ORIGINAL		0.7	7.8	23	78.0
DUP		0.6	7.3	22	70.9
Target Range - Lower Bound		0.5	7.1	19	70.2
Upper Bound		0.8	8.0	26	78.7
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					



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QC CERTIFICATE OF ANALYSIS TB17253553

### CERTIFICATE COMMENTS

#### ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.  
ME- MS61

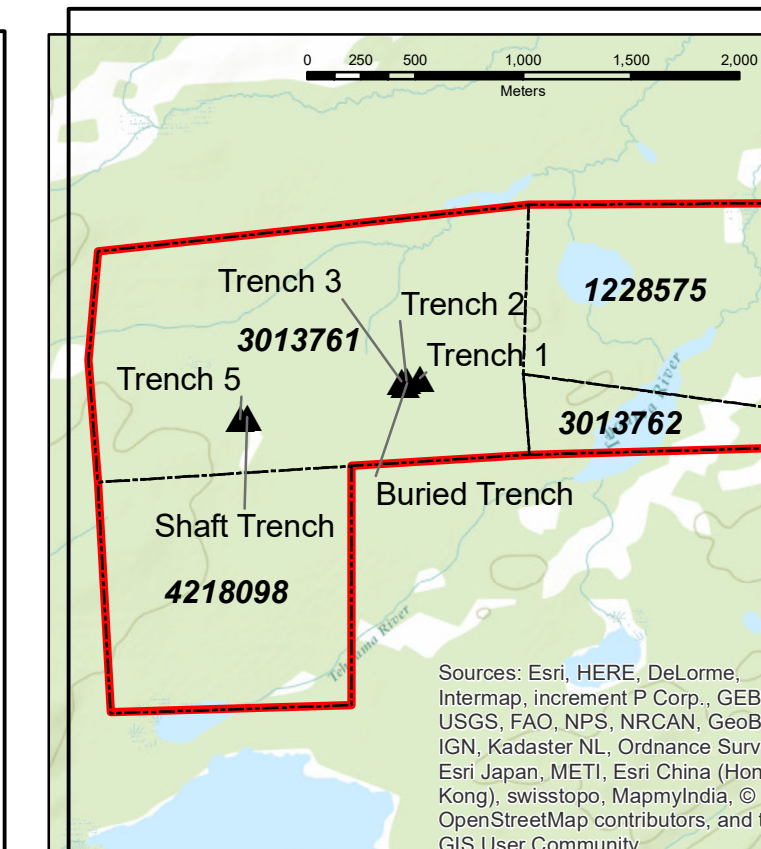
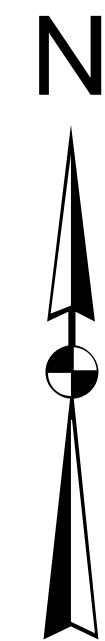
#### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

BAG- 01	CRU- 32	CRU- QC	DRY- 22
LOG- 22	LOG- 22d	PUL- 32	PUL- 32d
PUL- QC	SPL- 21	SPL- 21d	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au- AA24 ME- MS61

**Appendix D – Maps of the 2017 Stripped Areas and Soil Gechem Survey Results**



### Legend

#### Trench Features

- Trench Outline
- Historic Trench/Shaft
- water
- dirt slope
- mud
- backfilled area

#### Geological Units

- sh - shear zone
- qv - quartz vein, quartz stringers
- IV - Intermediate to felsic Metavolcanics
- MV - Mafic Metavolcanics
- GAB - Gabbro, Diorite (Quartz Gabbro)

#### Structure Symbols

- qv
- sh

#### Sampling

- Channel Sample
- Grab Sample

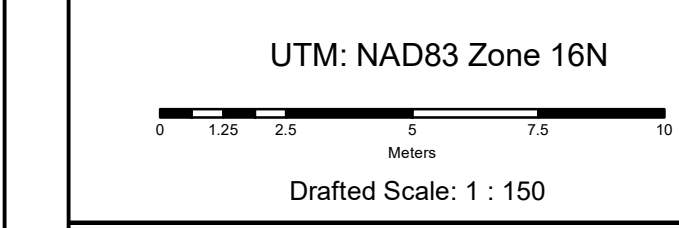
Note:  
Channel samples are prefixed 501...  
Grab samples are prefixed 138...  
Channel sample labels are composed of:  
Sample Number - Au (in ppm) / sample length (metres)  
Grab sample labels are composed of:  
Sample Number - Au (in ppm)

#### Abbreviations

- qv - quartz vein
- qvs - quartz veins
- qs - quartz stringer(s)
- fol - foliation
- sh - shear
- carb - carbonate alteration
- sil - silicification
- ser - sericitization

Coding for geological units and abbreviations follow the standards used by Pope (2016)

Reference:  
Pope, Pat (2016) Old Cabin Project Prospecting Report, Jacobson Township, Ontario, MNDM Assessment Report (AFRI number not yet assigned)

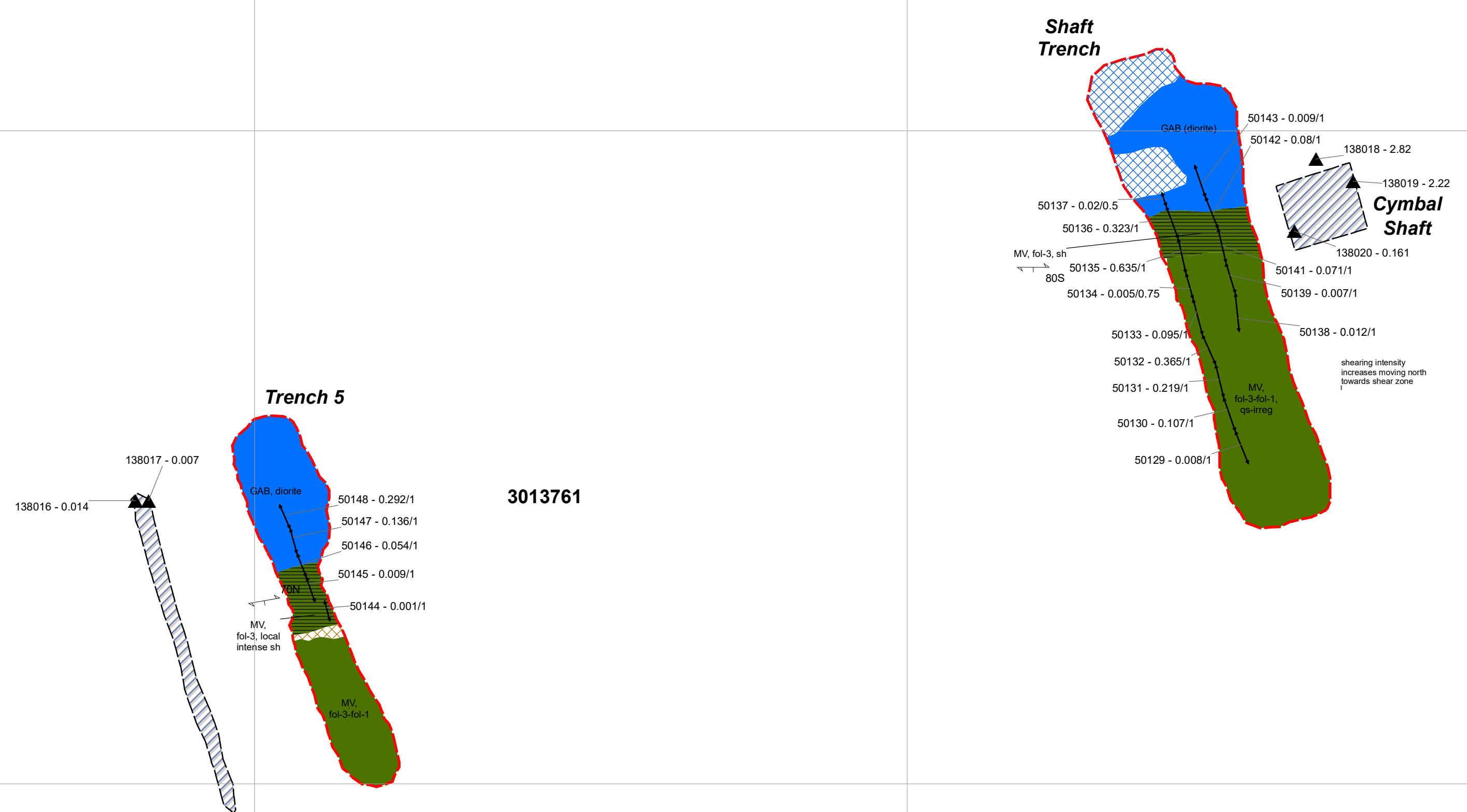


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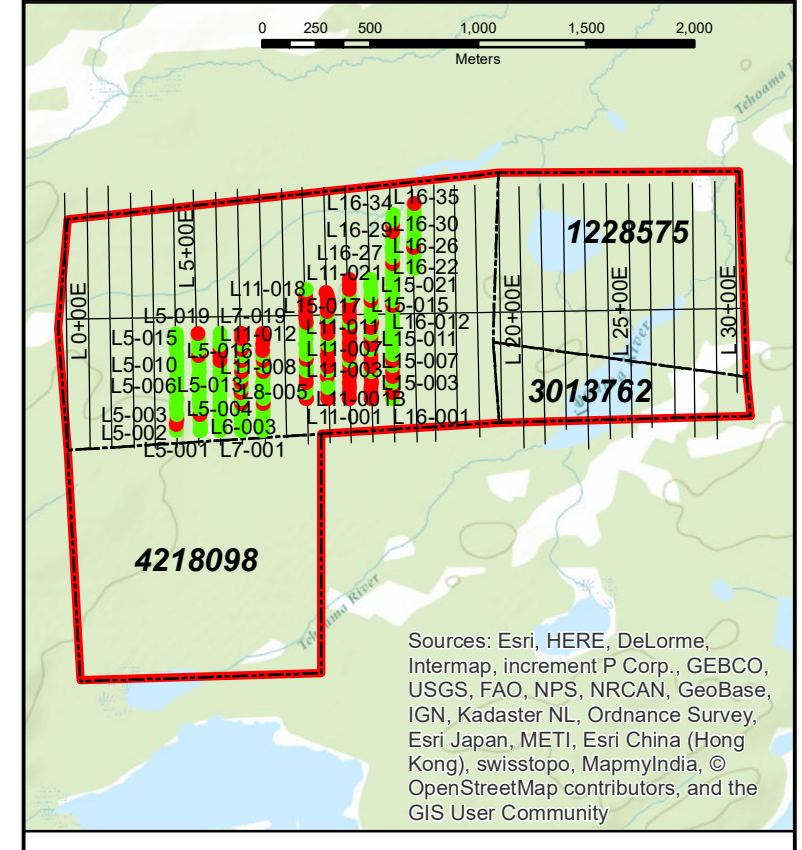
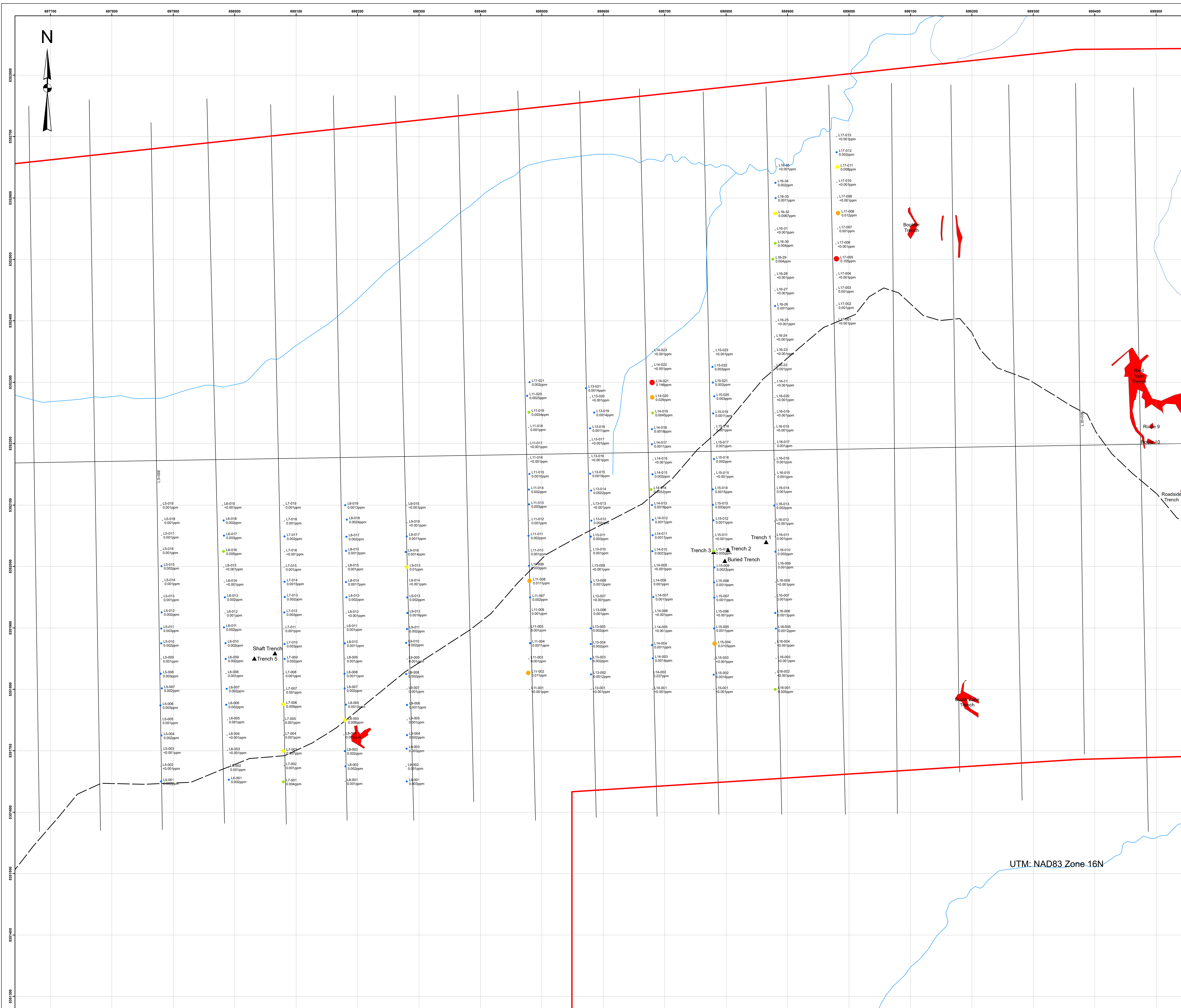
Old Cabin Property

2017 Stripping  
Cymbal Shaft Trenches

Date: October, 2017 Mapped By: J. Walmisley  
Sampled By: Loran Explorations  
Data Capture: December, 2017 Captured By: J. Walmisley







**Legend**

- Trench Features**
- Trench Outline
  - Historic Trench/Shaft
  - water
  - dirt slope
  - mud
  - backfilled area

- Geological Units**
- sh - shear zone
  - qv - quartz vein, quartz stringers
  - IV - Intermediate to Felsic Metvolcanics
  - MV - Mafic Metvolcanics
  - GAB - Gabbro, Diorite (Quartz Gabbro)

- Structure Symbols**
- qv
  - sh

- Sampling**
- Channel Sample
  - Grab Sample

Note:  
Channel samples are prefixed 501...  
Grab samples are prefixed 138...  
Channel sample labels are composed of:  
Sample Number - Au (in ppm) / sample length (metres)  
Grab sample labels are composed of:  
Sample Number - Au (in ppm)

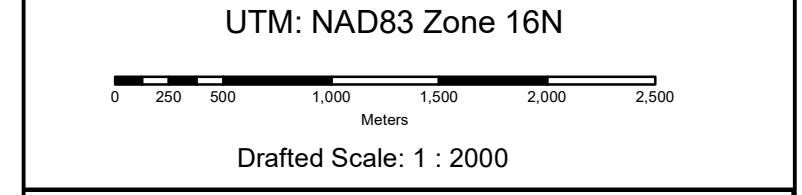
- Abbreviations**
- qv - quartz vein
  - qv - quartz veins
  - qs - quartz stringer(s)
  - fol - foliation
  - sh - shear
  - carb - carbonate alteration
  - sil - silicification
  - ser - sericitization

- Soil Sampling Au (ppm)**
- <0.001
  - 0.001 - 0.003
  - 0.003 - 0.005
  - 0.005 - 0.01
  - 0.010 - 0.100
  - 0.100 - 0.200
- Note:  
Soil sample labels are composed of:  
Sample Number - Au (ppm)

- Property Boundary
- 2009 COD Trenches
- 2017 Trench Location

Coding for geological units and abbreviations follow the standards used by Pope (2016)

Reference:  
Pope, Pat (2016) Old Cabin Project Prospecting Report, Jacobson Township, Ontario, MNDM Assessment Report (AFRI number not yet assigned)



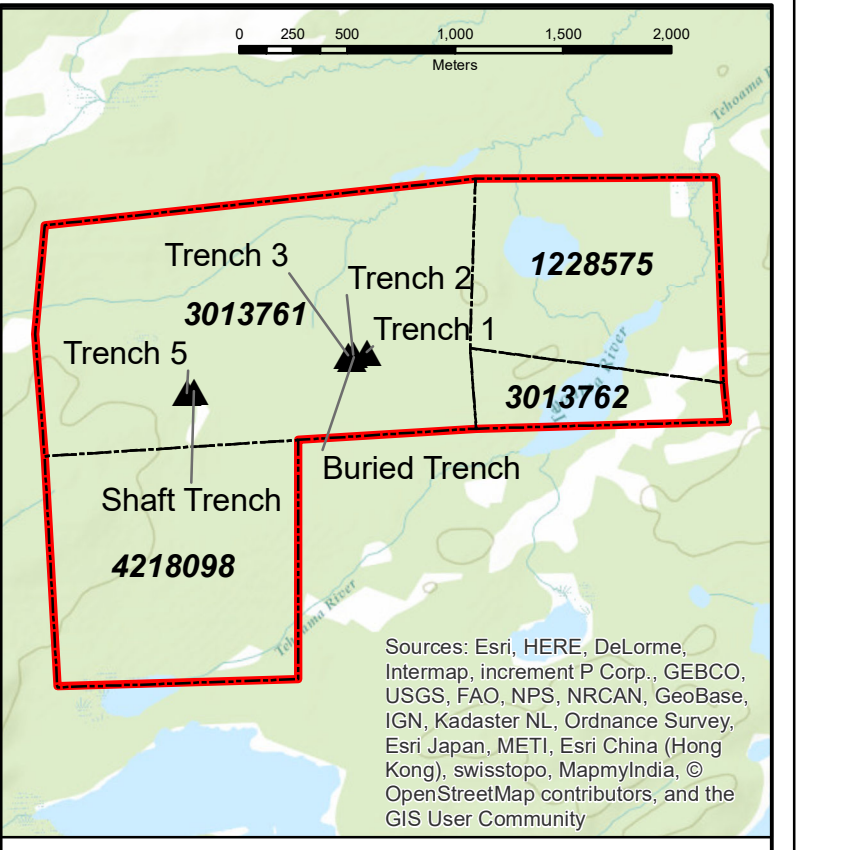
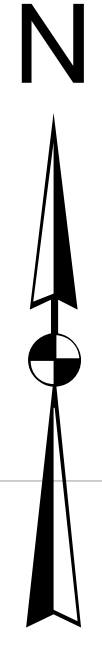
**Comstock Metals Ltd.**

Old Cabin Property

**2017 Soil (Humous) Geochem Survey**

Survey Date: October, 2017      Sampled By: Jordan Explorations  
Data Capture: December, 2017      Captured By: J. Walmsey





### Legend

#### Trench Features

- Trench Outline
- Historic Trench/Shaft
- water
- dirt slope
- mud
- backfilled area

#### Geological Units

- sh - shear zone
- qv - quartz vein, quartz stringers
- IV - Intermediate to Felsic Metavolcanics
- MV - Mafic Metavolcanics
- GAB - Gabbro, Diorite (Quartz Gabbro)

#### Structure Symbols

- qv
- sh

#### Sampling

- Channel Sample
- Grab Sample

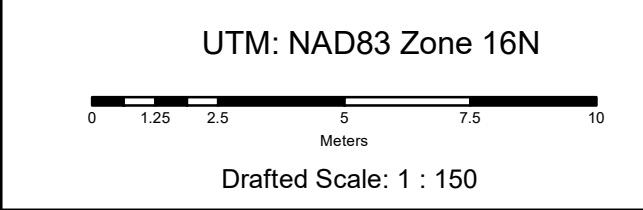
Note:  
Channel samples are prefixed 501...  
Grab samples are prefixed 138...  
Channel sample labels are composed of:  
Sample Number - Au (in ppm) / sample length (metres)  
Grab sample labels are composed of:  
Sample Number - Au (in ppm)

#### Abbreviations

- qv - quartz vein
- qvS - quartz veins
- qs - quartz stringer(s)
- fol - foliation
- sh - Shear
- carb - carbonate alteration
- sil - silicification
- ser - sericitization

Coding for geological units and abbreviations follow the standards used by Pope (2016)

Reference:  
Pope, Pat (2016) Old Cabin Project Prospecting Report, Jacobson Township, Ontario, MNDM Assessment Report. (AFRI number not yet assigned)



Comstock Metals Ltd.

Old Cabin Property

2017 Stripping Eastern Trenches

Date: October, 2017 Mapped By: J. Walmisley  
Sampled By: Loran Explorations  
Data Capture: December, 2017 Captured By: J. Walmisley

