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CARP, ONTARIO
K0A 1L0

Assessment Report on the Carlin-Roop claim group Describing the 2017 Soil Sampling Survey

105M 15

Latitude 63.77963N, Longitude 135.30513E

In the

Mayo Mining District

Yukon Territory

By

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1.0 Introduction

Mayo Lake Minerals Inc. (MLM) owns five claim groups situated around Mayo Lake in the Yukon Territory: Anderson-Davidson, Carlin-Roop, Cascade, Edmonton, and Trail-Minto claim groups (Figure 1). The claim groups are the apparent source for extensive historical placer gold operations which indicate nearby bedrock gold sources. Early 20th century placer mining lead to the discovery of the Keno Hill Mining Camp located about 20 km north of Mayo Lake. The camp has produced over 200 million ounces of silver from veins cutting Mississippian quartzite and schist. This district is in the northeastern portion of the Tintina Gold Belt, a 2100 km long zone of gold and silver deposits extending across central southeast Alaska and southwest Yukon. Nearby deposits include intrusion related gold Dublin Gulch (6.4Moz Au), Red Mountain (1.3Moz Au) and Marge VMS (Au, Ag, Cu, Pb, and Zn).

This report describes a soil sampling program completed on the Carlin-Roop Claim Group (Property) during August 2017. The program was focused on refining a gold target that had been identified by earlier soil sampling. During the program, MLM personnel collected 115 soil samples near the western edge of the Property. Parts of this report, where appropriate, are taken verbatim from Sutherland and Rampton 2017.

Samples were processed by Bureau Veritas Commodities Canada Ltd. (Bureau Veritas) in Whitehorse and analyzed by Bureau Veritas in Vancouver B.C. using ICP-MS following an Aqua Regia digestion (ICP-MS).

2.0 Location and Access

The Property is comprised of 186 claims (Table 1), totaling 36.3 sq. km. The Property is located 20 kilometers east of Keno City in Yukon on NTS map sheets 105M 15 (Figures 1 & 2). The claims are registered in the Mayo Mining district in the name of Mayo Lake Minerals Inc.

Access to the Property is provided by seasonal roads servicing the placer operations along Granite and Keystone creeks and networks of historical drilling roads. These roads connect to the Silver Trail highway at Keno. The Silver Trail connects with the Yukon's paved or chip-sealed highway network at Mayo (Figure 1). The eastern edge and uplands of the Property are accessed primarily by helicopter.

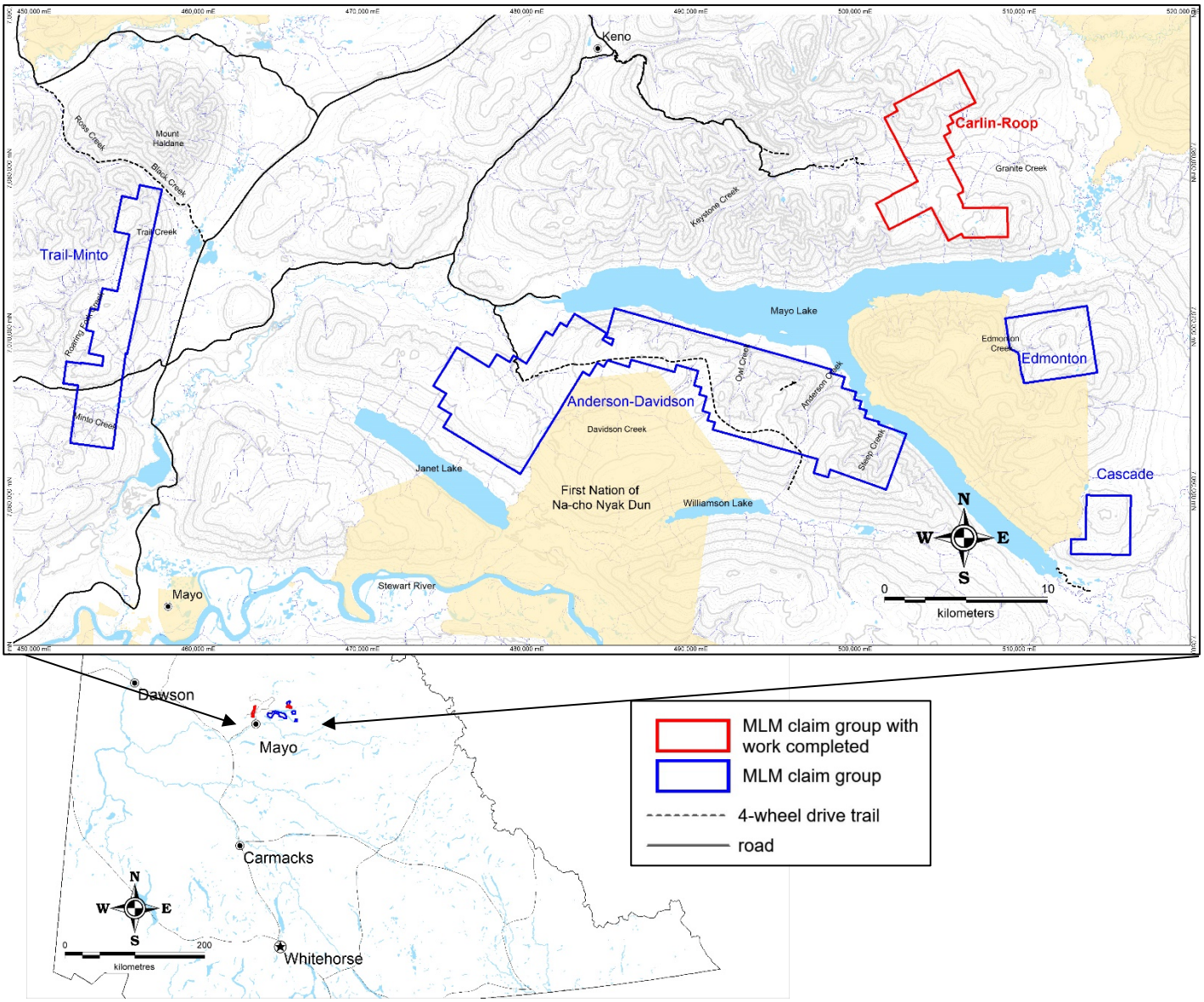

Figure 1: Location of MLM's claim groups

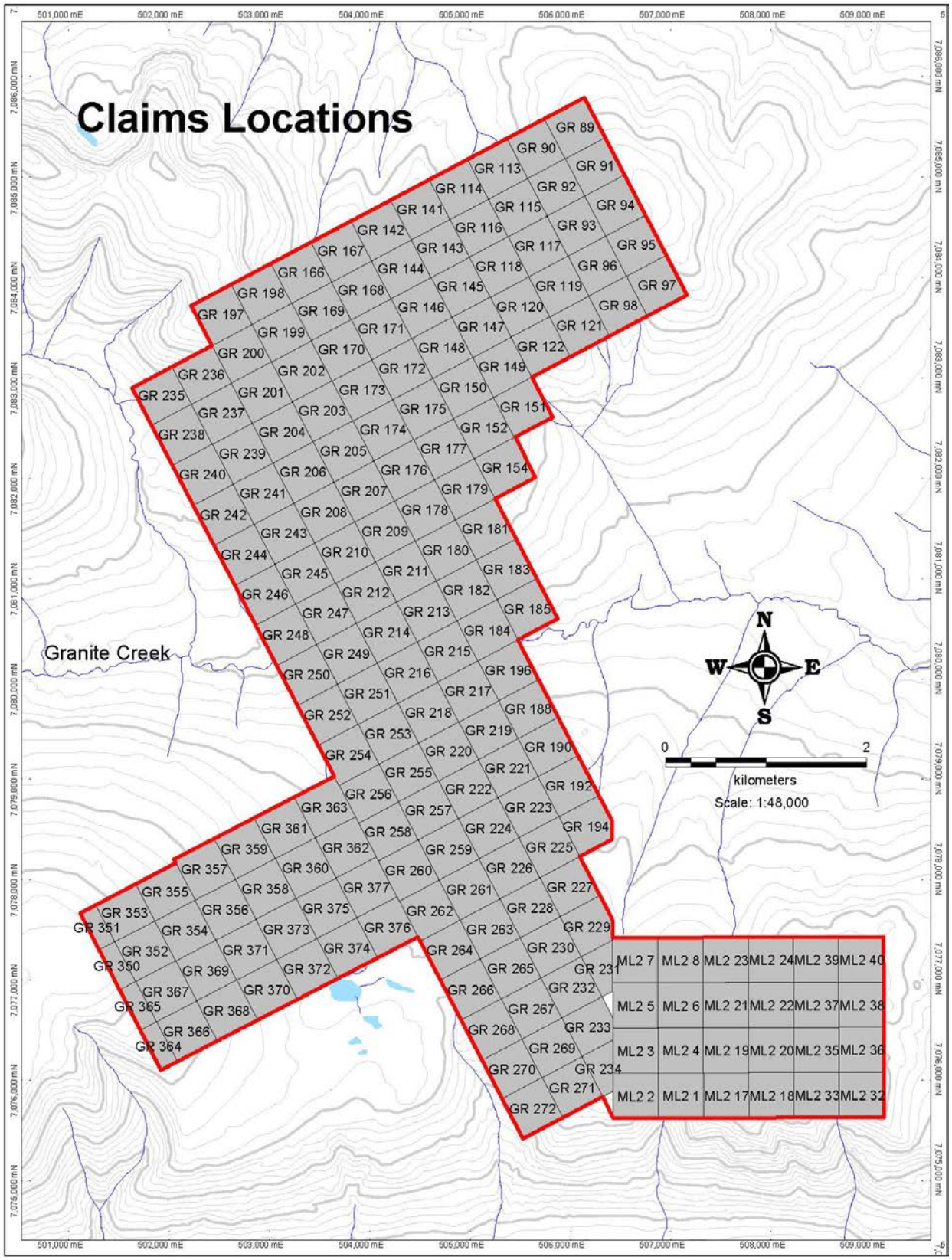

Figure 2: Location of claims in the Carlin claim group

Table 1: Claims comprising the Carlin-Roop claim group

GRANT NUMB	LABEL	OWNER NAME	District	NTS Sheet
YD06690-YD06703	GR 350-GR 363	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YD29091-YD29097	GR 371-GR 377	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YD72664-YD72670	GR 364-GR 370	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE24701-YE24772	GR 201-GR 272	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE25401-YE25408	ML2 1-ML2 8	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE25417-YE25424	ML2 17-ML2 24	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE25432- YE25433	ML2 32- ML2 33	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE25435-YE25440	ML2 35-ML2 40	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE46089-YE46098	GR 89-GR 98	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE46090-YE46098	GR 90-GR 98	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE46113-YE46122	GR 113-GR 122	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE46141-YE46152	GR 141-GR 152	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE46154	GR 154	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE46166-YE46186	GR 166-GR 196	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE46188	GR 188	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE46190	GR 190	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE46192	GR 192	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE46194	GR 194	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15
YE46197-YE46200	GR 197-GR 200	Mayo Lake Minerals Inc. - 100%	Mayo	105M 15

3.0 Previous Work

The earliest regional mapping in the Mayo Lake area was undertaken by H.S Bostock in 1947. Early work by Bostock was followed from 1952 to 1965 by numerous workers who published geological maps; these included L.H Green et.al (1972), R.W Boyle (1964), and E.D Kindle (1962) with contributions by C.F Gleeson (Boyle 1964). Mapping was reinitiated in early 1992 by J.A Hunt et al. (1996), D.C. Murphy et al. (1996) and C.F Roots (1997); in addition to fieldwork they integrated numerous geological publications dating from 1920 to 1996. Roots' work resulted in a regional map at 1:250,000 scale (Roots 1997). Surficial mapping was undertaken by Hughes (1983) in 1964 and 1979 and more recently by Bond (1999).

Operation Keno, headed by Dr. C.F. Gleeson of the Geological Survey of Canada (GSC), was completed in 1968 (Gleeson et al 1965-1968, Gleeson 1980a, Gleeson 1980b). It centered on Keno Hill and consisted of stream sediment, water, heavy-mineral and litho-geochemistry programs. Notably creeks draining in to Mayo Lake were sampled, yielding numerous arsenic, antimony and gold in heavy mineral concentrate anomalies. The area within, and adjacent to, the Property was again sampled during a stream sediment

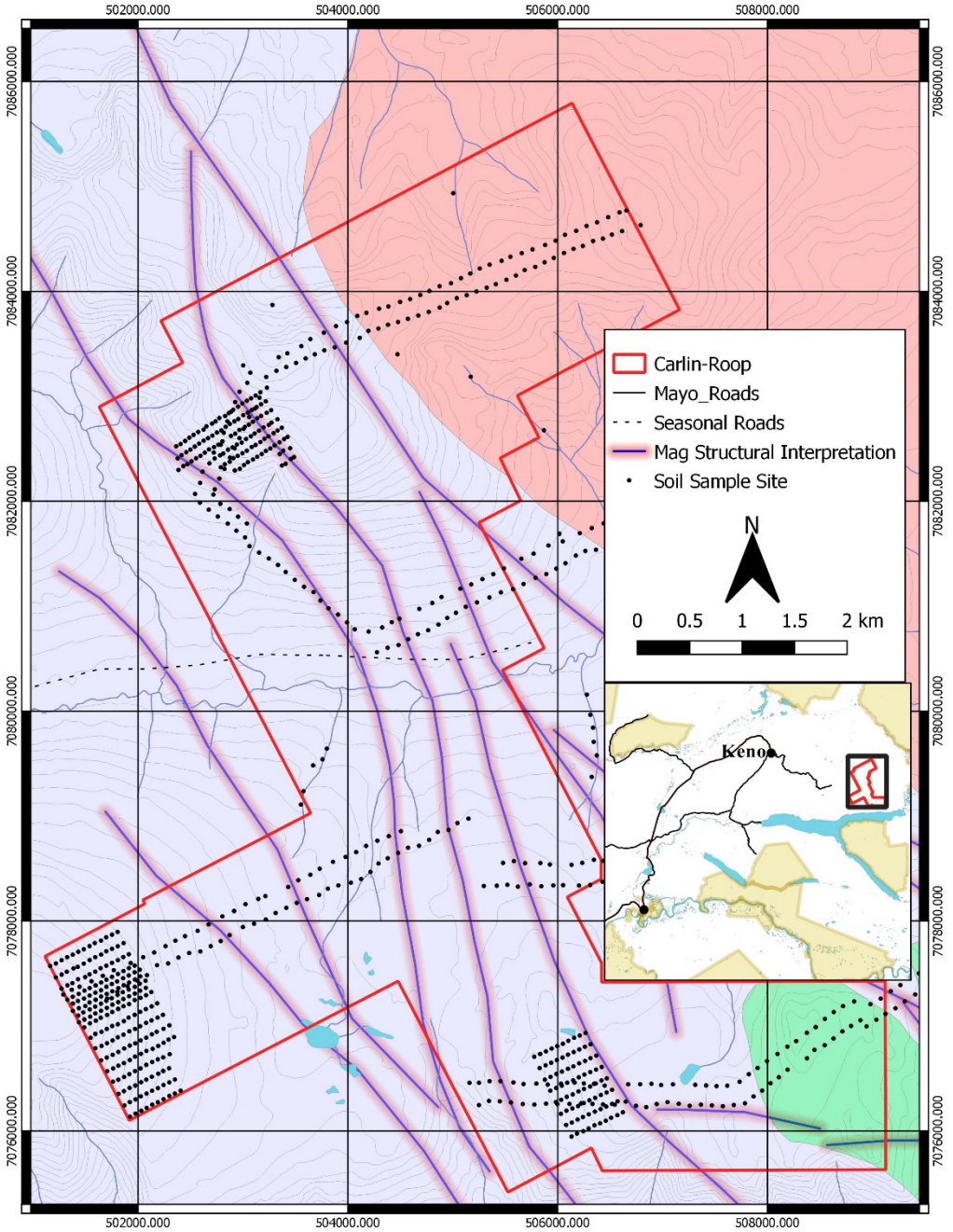

Figure 3: Previous work on the Carlin-Roop claim group.

program by the GSC in 1986-87 (Hornbrook 1987) with a low sampling density. This program yielded few anomalies.

The GSC carried out two geophysical programs in the Mayo Lake area; the first at 1207m spacing in 1968 and a second at 2000m spacing in 1990. Those surveys are corroborated by similar results obtained by MLM's geophysical program, but with much lower resolution. These surveys delineate the Robert Service Thrust (RST) and several major lineations likely representing thrust sheet imbrications or lithological marker horizons.

In 2012 MLM had an airborne geophysical survey flown over all of its claim groups between February and March by Precision GeoSurveys Inc. that saw the acquisition of high quality magnetic data. The survey was flown using a Bell 206 BIII jet ranger at 150 meter spacing. The average survey flight was 32 meters above ground. The survey data acquisition specifications and coordinates for the different claim groups can be found in Rampton and Sutherland (2012 a, b, c, d and e). Lineations from these surveys are plotted in Figure 3.

In 2012 MLM followed up with a ridge and spur type reconnaissance soil sampling program on all of its claim groups (Rampton and Sutherland 2013 a, b, c, d and e). This program delineated numerous geochemical targets on each claim group, which determined further sampling (Figure 3). Notable regional anomalies were the strong As-Sb-Au enrichment south of Granite Creek.

Sampling programs in 2014 and 2015 targeted anomalies from the ridge and spur soil sampling program on the Property. This consisted of soil grids with variable sampling intervals, generally 60m x 120m (Figure 3). The grid north of Granite Creek completed in 2014 was analyzed using SGH in 2016. The western soil grid south of Granite Creek, dubbed the "Carlin West" Grid, was expanded southeast in 2016. Detail sampling at 30m x 30m spacing on a portion of the Carlin West grid is the topic of this report.

There is evidence for historic placer mining on most of the tributaries to Mayo Lake and the Mayo River. Modern placer mining is ongoing along Duncan, Lightning and Granite creeks. Placer claims in good standing are present on most creeks in the area.

4.0 Geomorphology

Carlin-Roop is located north of the east end of Mayo Lake (Figure 1) on the eastern slopes of the Gustavus Range straddling the Granite Creek Valley. Granite Creek drains the eastern slopes of the Gustavus Range north of valleys occupied by Mayo Lake. Valleys containing Mayo and Janet lakes are broad and U-shaped due to glacier ice being funneled down them from east to west during Pleistocene glaciations. Most small valleys tributary to the large valleys are narrow and confined by moderate to steep slopes. Uplands generally have moderate slopes. Streams draining the Property are all part of the Yukon River watershed.

The Property has been subjected to multiple glaciations (Hughes 1983). The youngest Pleistocene glaciation, the McConnell Glaciation, was confined to the trunk valleys occupied by Mayo, Janet and Williamson lakes (Bond 1999). These valleys were filled with fast flowing ice that scoured their bottoms and sides. The upper limit of the McConnell Glaciation is marked by lateral moraines and kame terraces along the sides of these valleys. Minor lobes penetrated the upper reaches and tributaries of Granite Creek and may have flowed through the valley between Granite and Keystone creeks; here the glaciations former extent is marked by end moraines and kames. The westward limit of the McConnell Glaciation is along the base of the highlands to the west of Halfway Lakes between Mount Haldane and the Minto River. Uplands above the McConnell glacial limit were covered by glacial ice during the earlier Reid glaciation. The ice was probably cold-based and transport of rock and debris was minimal as evidenced by landforms. Some uplands are mapped as a mixture of colluvium and till. Some patches of colluvium and alluvial benches at higher elevations may be representative of the Reid and older glaciations.

Outcrop is uncommon on the Property, generally 10-15% of the area, though the distribution is weight heavily towards upper slopes and highlands. Soil development is immature, except on parts of the terrain

above the McConnell glacial limit. Permafrost is likely pervasive on plateaus and north facing slopes, but discontinuous on south facing slopes.

Vegetation is predominantly black spruce with willow and alder understorey. Lowlands, north facing slopes and plateaus below the treeline exhibit a thick cover of organic matter, moss and Labrador tea. South facing slopes are similarly vegetated but also include balsam and poplar groves.

5.0 Regional Geology and Mineralization

The Property is located within the Selwyn Basin of the Tintina Gold Belt. Simplified regional geology as shown on Figure 4 depicts Upper Proterozoic to Lower Cambrian Hyland Group stratigraphy in contact with Paleozoic metasedimentary units of the Ern Group and Keno Hill Quartzite along the Robert Service Thrust (RST). Mid-Triassic mafic sills and greenstones are common within the Keno Hill Quartzite and Ern Group but are rarely encountered in other units. All stratigraphic units have been intruded by the Mid-Cretaceous age Tombstone Plutonic Suite. The 100km^2 Roop Lakes Stock, east of the Keno Camp, is the largest member of the Tombstone Plutonic Suite and probably drove hydrothermal circulation leading to the mineralization at Keno Hill, as referenced by Roots (1997).

The dominant structural features in the area are a pair of imbricated thrust sheets; the RST and the Tombstone Thrust Sheet (TTS) have over 150km of combined NE directed transport of rock masses. The RST Sheet itself contains many internal thrusts that are commonly difficult to distinguish due to subsequent intense folding of faults and contacts and a strong penetrative structural fabric imparted by the later underlying TTS; the area deformed during this event is often referred to as the Tombstone Strain Zone. Intense folding is especially evident in units immediately around Keno Hill. Large open folds, the McQueston Antiform (E-W) and Mayo Lake Antiform (NW-SE), and several inferred brittle faults were developed after the large thrusting events (Roots 1997).

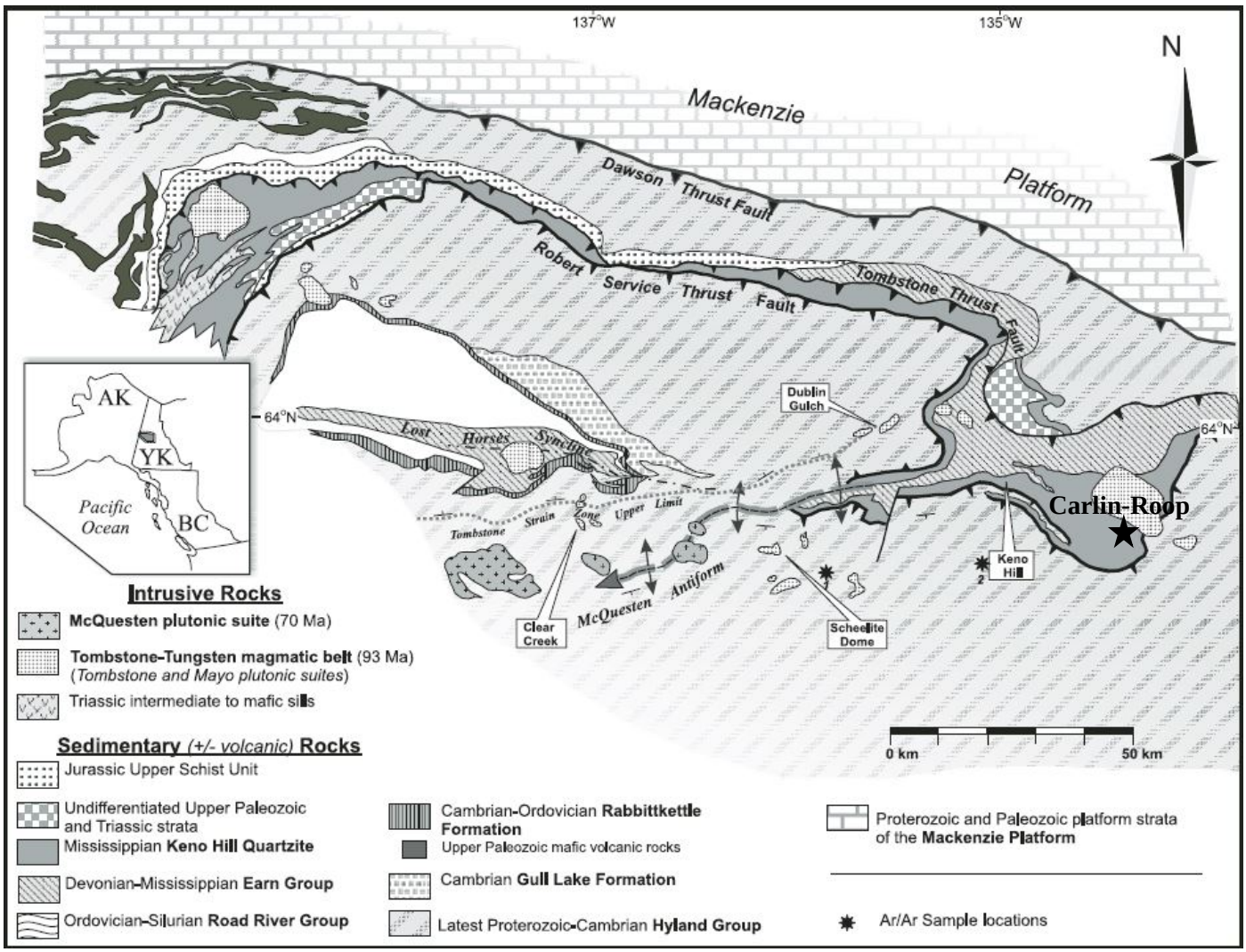

Figure 4: Mayo Lake and Selwyn Basin Geology. From Mair et al. 2006. Labeled star indicates where work was completed in 2017 by Mayo Lake Minerals.

Mineralization within the Tombstone Plutonic Belt is primarily the result of magmatic hydrothermal systems; these large epizonal systems result in variable deposits that on the surface may appear unrelated. It should be noted that the proximal relationship to crustal scale features, such as the RST and TTS, is also common among many large ore forming systems both globally and within the Tintina Gold belt.

The most distal mineralization associated with Tombstone intrusives are polymetallic Ag-Pb-Zn veins similar to the locally developed Keno Hill Type veins. This mineralization represents the furthest extent of hydrothermal influence related to these intrusions and may occur many kilometers from the source stock (Figure 5). Consensus is that Keno Hill Type Veins (KHTV) are the product of hydrothermal circulation in reactivated structures driven by the emplacement of the Roop Lakes Stock, up to twenty kilometers away. The veins are generally within the Keno Hill Quartzite, but are inferred to cut through the RST and continue into the overlying Hyland Group. Abundant narrow Cretaceous dykes (Murphy 1997) related to the Tombstone Suite near Keno Hill could be an alternate hydrothermal engine or fluid source. In addition to Ag, Pb and Zn, other elements enriched in KHTV include Ba and Cu and in some cases Sb, Fe and Ca.

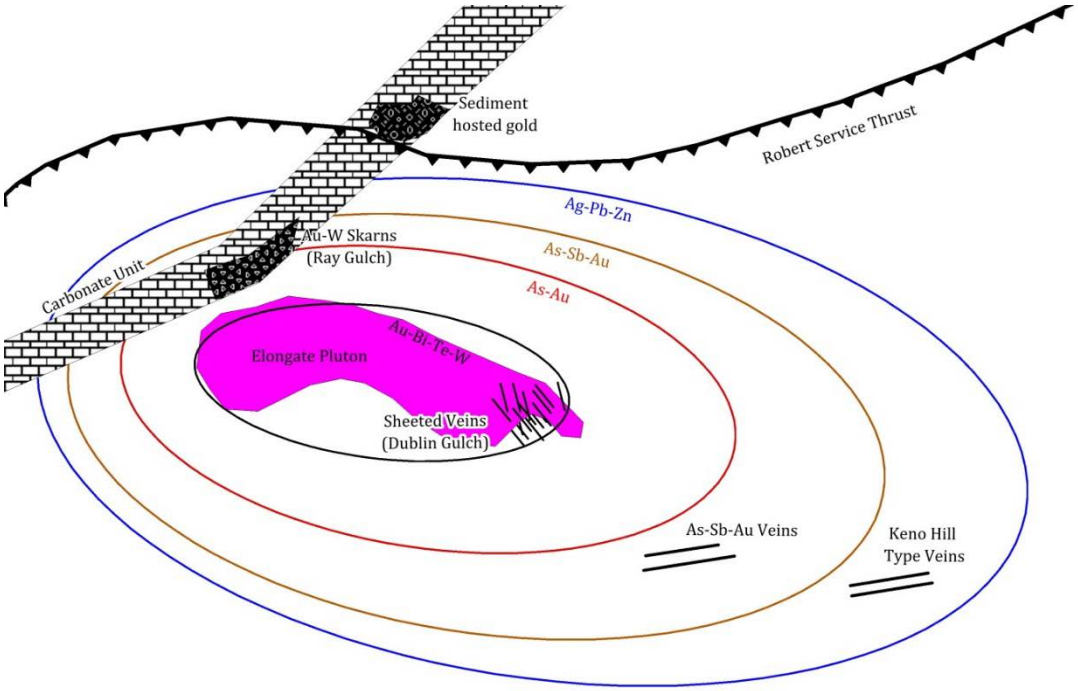

Figure 5: Idealized hydrothermal model for intrusion related gold systems in the Tintina Gold Belt (modified from Hart et. al 2002)

The Keno Hill silver camp has produced over two hundred million ounces of silver since 1921 from KHTV. Productive veins occur in the Keno Hill Quartzite and underlying Lower Schist (Earn Group). Although faults with associated mineralization (mineralized faults) are believed to cut through the RST and continue into the Hyland Group, no significant silver mineralization has been discovered above the RST. Ore shoots within the veins typically consist of galena, sphalerite and tetrahedrite with siderite or quartz gangue. The mineralized faults trend northeast and dip steeply to the southeast with left lateral offsets ranging from a few metres to over a hundred metres (Boyle 1965). Longitudinal faults offsetting the mineralized faults trend perpendicular to them and dip 20º to 30º to the southwest.

Proximal mineralization associated with Tombstone intrusives are sheeted gold veins or stockworks within the rim or immediately adjacent to Tombstone Suite plutons. Intrusion related mineralization itself is generally (i) enriched in Au-Bi-Te, possibly W; (i) depleted in base metals and (iii) situated in tensional zones of the stock. At intermediate distances from source plutons, As-Sb-Au veins develop and have been the subject of minor exploration around Van Cleaves Hill, west of Mayo Lake.

Two major intrusion related gold occurrences are located within 50 km of the Property. Both are located in the upper plate of the RS Thrust within Hyland Group metasedimentary rocks. Sheeted veins related to the Tombstone Plutonic Suite contain most of the gold at Dublin Gulch. Gold Dome (formerly Scheelite Dome) appears to be skarn type mineralization.

Where metasomatic circulation contacts carbonate lithologies skarnification is common, such as at the Ray Gulch tungsten skarn near Dublin Gulch. These skarns are generally high in Au-W-Cu-Zn. Skarnification of rocks surrounding Tombstone suite intrusions will result in hydrothermal signatures different from those illustrated in Figure 5.

6.0 Property Geology

The Carlin-Roop Claim Group is underlain by Keno Hill Quartzite intruded by Triassic greenstones and the Cretaceous Roop Lakes Stock (Figure 6). A contact metamorphic aureole extends away from the stock up to 4km affecting most units underlying the Property.

6.1 Stratigraphy

The stratigraphy is exclusively Keno Hill Quartzite which is comprised of massive to well foliated lineated quartzite with lesser phyllitic quartzite, chloritic and carbonaceous phyllite (Roots 1997). On the Property the Keno Hill quartzite is interbedded with intermediate to felsic volcaniclastics, likely a local extension of the "Marge sequence", a unit abundant green weathering tuffacious metavolcanic rocks which host the Marge VMS deposit east of the Keno-Ladue River. Also present, but rare, are thin beds of carbonates.

6.2 Intrusions

The Roop Lakes Stock is roughly 100 sq km and centered on the Roop Lakes just east of the Property. The marginal phase is quartz diorite to quartz gabbro with abundant chloritized hornblende. The main phase is medium-grained granodiorite with lesser quartz monzonitc with occasional hornblende is up to 15 mm long. The contact locally is a l00m wide zone of aplite and pegmatite dykes (Green, 1971) in quartz phyllite. The metamorphic aureole extends up to 4km beyond the contact grading from sillimanite to biotite schists.

Triassic sills of greenstone and gabbroic composition are common on the Property. They are dark green, foliated, fine to medium grained and weather in a blocky fashion. The main mineral assemblage consists of amphibole, chlorite and plagioclase. Sills are common in the Keno Hill Quartzite and Ern Group and are also known, though rare, within the Hyland group. Due to their commonly small size and abundance many such intrusions are located on the Property though not indicated on figure 6.

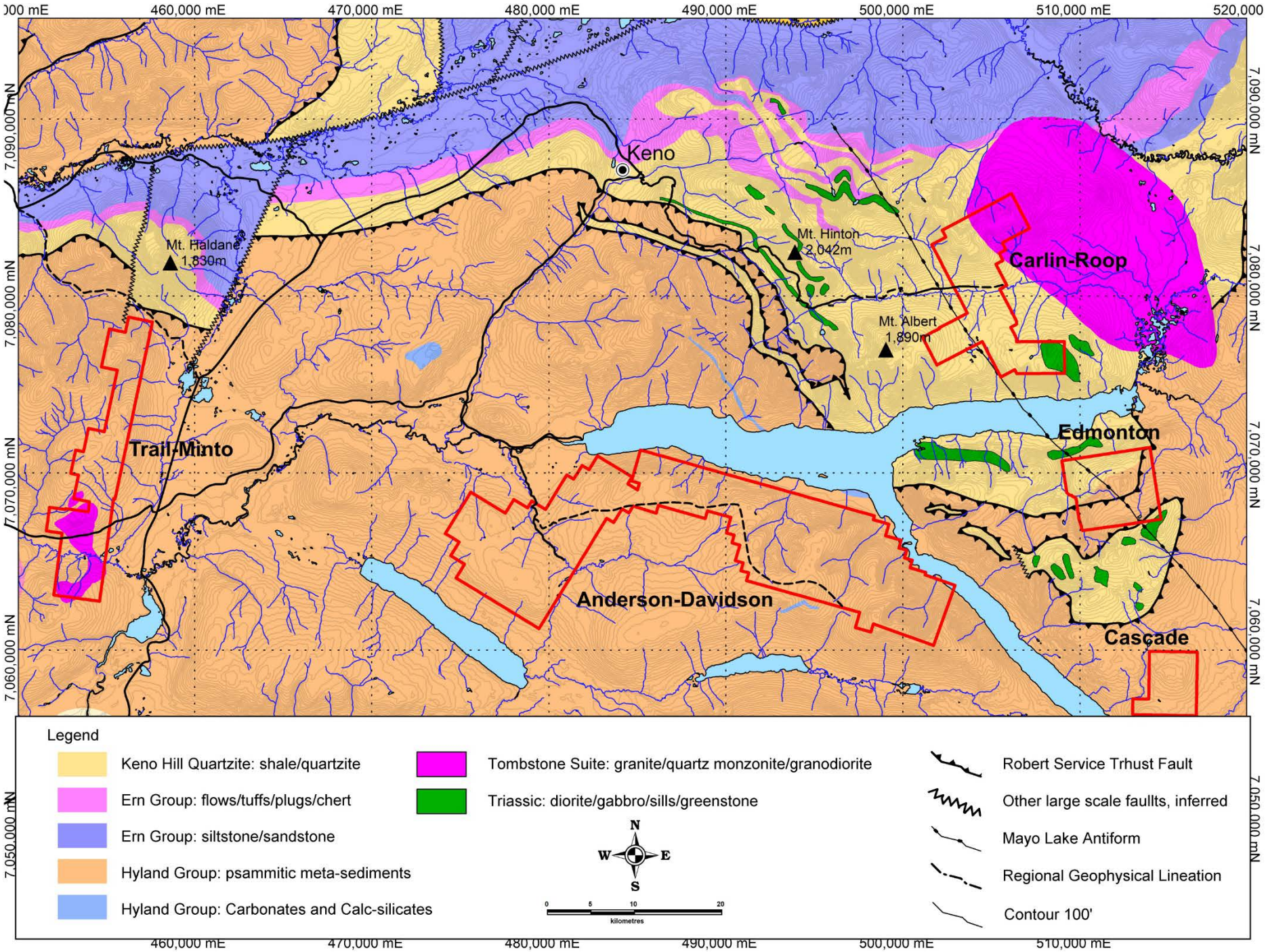

Figure 6: Geology of Mayo Lake area showing MLM claim groups extents as of 2017.

6.3 Structure

Deformation on the Property is typical of the Tombstone Strain zone, including a strong penetrative fabric and intense large scale deformation (Roots 1997). Broad post-metamorphic folding is also present and is indicated by variable foliation dips. Foliation is generally shallow, dipping southwest to southeast. Boudinaged quartz +/-carbonate veins are common within the Hyland Group and generally parallel to foliation. These veins likely predate the development of the Tombstone Strain Zone.

6.4 Mineralization

The Property is a prospective hosts to a variety of deposit styles related to the complex Mesozoic and Cenozoic metamorphic, plutonic and volcanic history associated with the formation of the northern Canadian Cordilleran orogeny. The most attractive of these are:

- Polymetallic veins: mainly Keno Hill Type, which are typically high in silver, lead and zinc and are related to the intrusion of the Tombstone Plutonic Suite and constitute the main ore at Keno Hill.

- Intrusion related gold: such as Dublin Gulch and Fort Knox (in Alaska). These deposits are related to post-orogenic, mid-Cretaceous Tombstone Suite stocks that intruded Selwyn Basin sedimentary rocks.

- Orogenic gold veins: formed after peak metamorphism of the Yukon-Tanana Terrane; their erosion likely contributed to the Klondike placer deposits. These are narrow, high-grade deposits; typical is the Pogo Mine in Alaska with reported reserves and resources of 4.9 Moz Au at 12.45 g/t Au. They may be high grade, epithermal or mesothermal, structural end-members of the intrusion related gold model rather than typical orogenic veins.

- Skarns; such as the Ray Gulch Tungsten Skarn at Dublin Gulch and a small skarn southeast of the Roop Lakes Stock.

7.0 Description of MLM's 2017 Work

7.1 Field operations 2017

MLM visited the Property on July 31st and August 1st 2017; personnel stayed in Mayo and accessed the Property by helicopter one day for soil sampling and by road one day to determine the condition of the road access. The crew consisted of three members; a senior geologist and two sampling technicians.

7.2 Soil Sampling

MLM completed a closely spaced 30m x 30m soil grid to further define silver and gold anomalies within the extents of the western Carlin grid that was sampled originally in 2015 and expanded in 2016. Also, three lines of infill sampling were completed at the southeastern corner of the grid (Figure 7).

Soil sampling was undertaken by an MLM geologist and two sampling technicians:

Tyrell Sutherland	Senior geologist
Jeff Moore	Sampling technician
Richard Barrie	Sampling technician

At each sample site the soil and overburden is penetrated by an auger until the C horizon is reached. The next 10-15cms of soil is sampled and placed into a labeled paper sample bag. In areas where C horizon was sparse, nonexistent or frozen, a sample from the B horizon was collected. Sample sites were located using the Garmin GPS Map 62s and recorded in a field book and sample book. An identification flag with the

sample number recorded is attached at each sample location. Samplers collected a duplicate sample every 33rd sample. Sample data entered a database upon returning to camp at the end of each day.

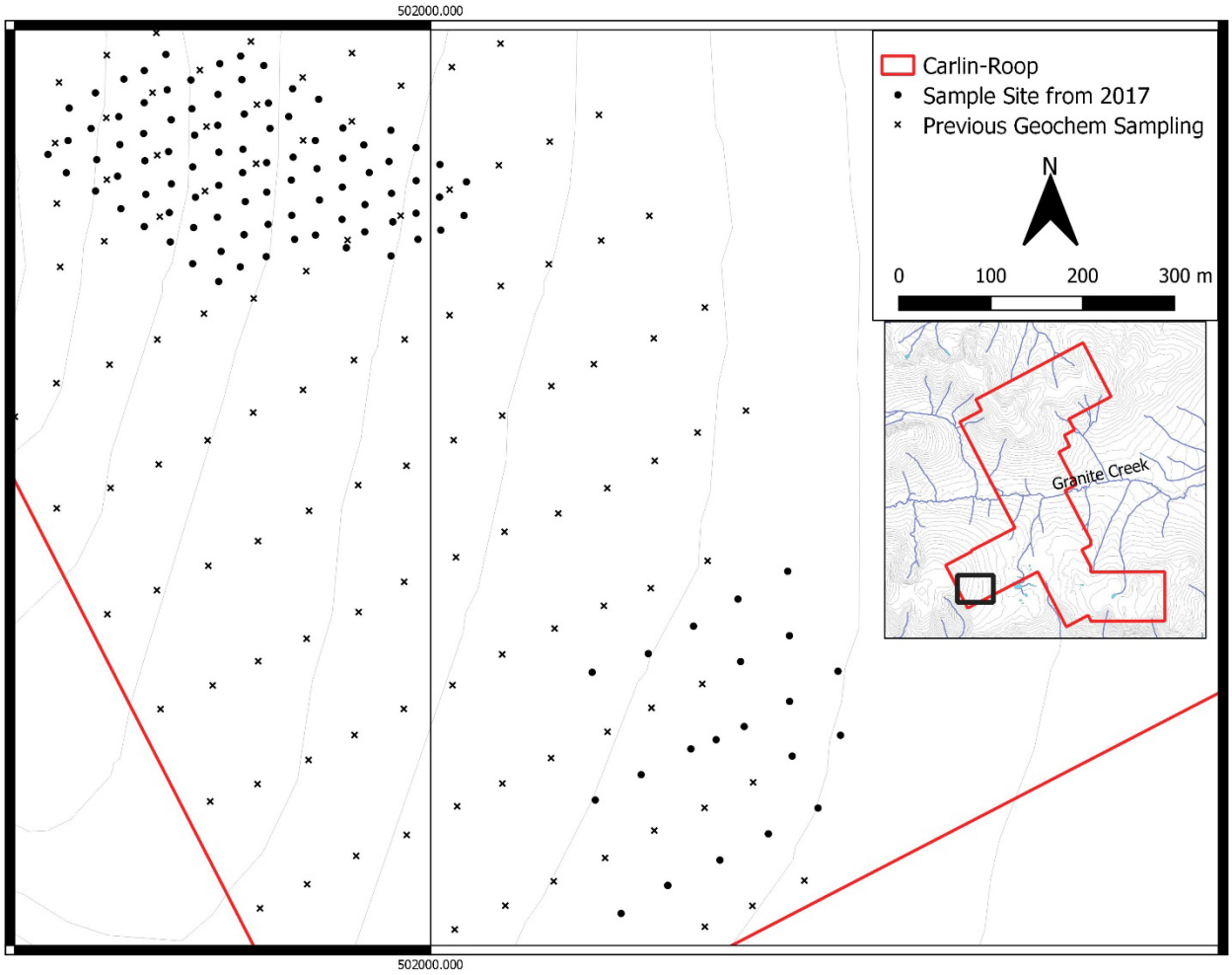

Figure 7: Location of soil sample sites within the Carlin West Grid.

7.3 Analysis

Soil samples were delivered to Bureau Veritas preparatory laboratory in Whitehorse, YT. Soil samples underwent modified preparation code SS80; dried for 24 hours at 40ºC instead of 60ºC, then screened for 100g at -80 mesh; rejects were discarded. Samples were then sent to Bureau Veritas in Vancouver B.C to undergo analysis code AQ201, which is an ICP-MS analysis after aqua regia digestion of a 15g sample for Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Hg, Sc, Tl, S, Ga, Se, and Te. Bureau Veritas maintains a rigorous QA/QC protocol on all analysis.

8.0 Observations and Results

Soil sample site locations can be found in Appendix B; assay certificates can be found in Appendix C; plots of geochemistry and geophysics can be found in appendix D.

8.1 Geochemical Results and Interpretations

A duplicate field sample was collected after every 32 samples. Most elements tested using ICP-MS are comparable between field duplicates; Se, and B are generally not reliable based on previous analysis of field duplicates. S and Te analysis are both below detection.

Sample results were reasonably consistent with no obvious areas of error, including when compared to samples collected from nearby sample sites in 2015 and 2016.

8.2 Carlin Grid

The current grid increases the sampling density (Figure 7) within Ag and related pathfinder anomalies defined from soil sampling during MLM's 2015 and 2016 programs. The entire grid lies above the McConnell glacial limit. Landforms indicate significant cryoturbation. Samples form the 2017 grid contained up to 45 ppm Ag in soil with anomalous values oriented in a linear northwest to north trending pattern (Figure 8). Ag anomalies strongly correlate with Pb, Sb and As values in soil. Au analysis from 2017 sampling show no discernable pattern, but when incorporated into the older broader spaced sampling show an irregular anomaly roughly parallel but off-set from the Ag, As, Pb and Sb anomalies. Periglacial sorting and mass wasting may have led to some inconsistency in Au results on the Carlin grid.

Two soil lines from 2015 showing low values for a number of elements cut across the otherwise strong continuous Ag, As, Pb and Sb anomalies northwest of the 2017 sampling. This could be due to bedrock

variation, overburden masking values or possible unrecognized QAQC issues. The three infill lines in the southwest corner of the grid reveled little of note.

A small (>500m^2) Greenstone stock exists near the northwest corner of the detailed sampling area.

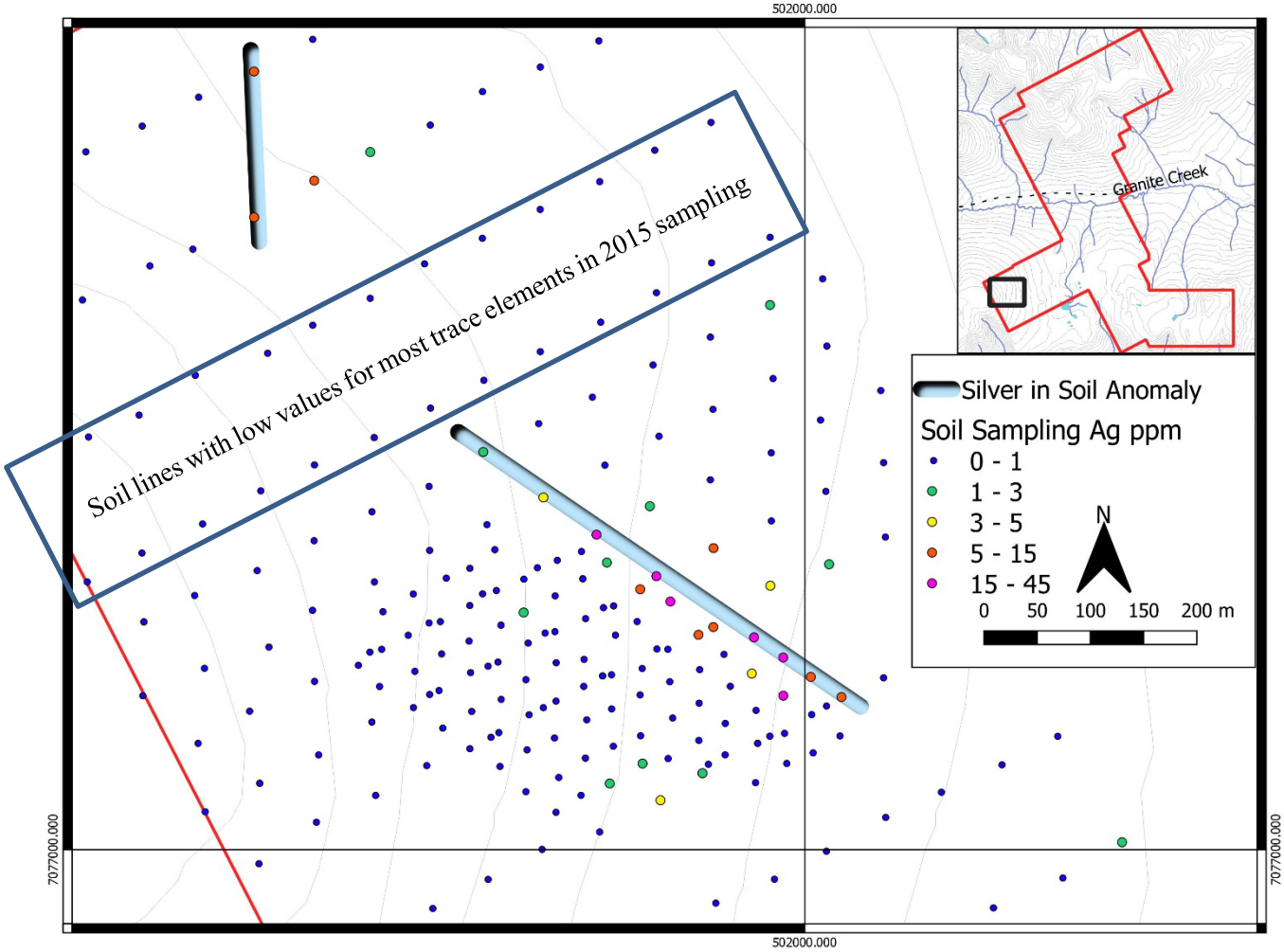

Figure 8: Axis of silver anomaly in soil samples.

9.0 Discussion

The Carlin West grid sampled from 2015-2016 delineates elevated trends of Ag, Au and several pathfinders in soil. Based on the abundance of float visible and the lack of Ag or Au mineralization in float or outcrop, it is likely that the bedrock source for the anomalies is relatively recessive due to friability and ease of weathering, consistent with most mineralization within the Keno Camp.

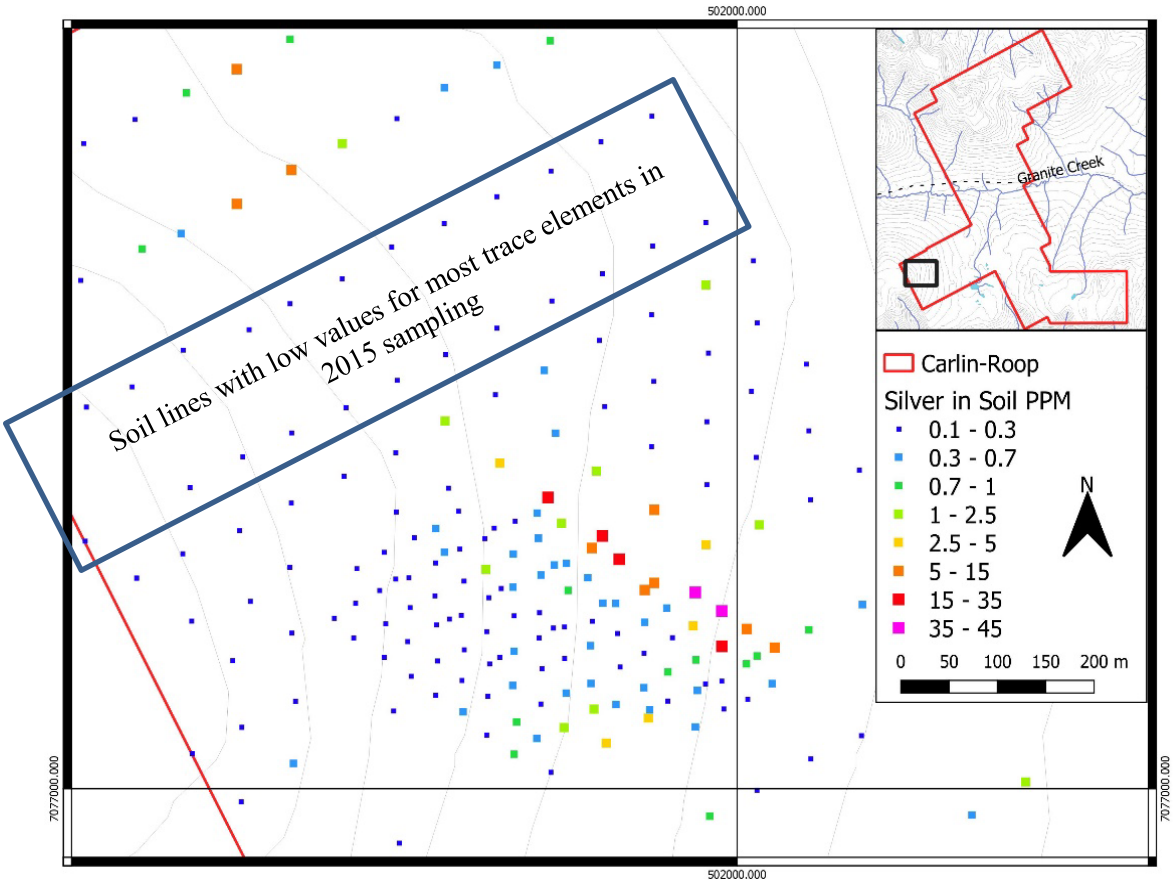

Figure 9: Plot of silver analysis of soil samples.

The detailed sampling completed in 2017 over the central part of elevated Ag and Au anomalies (Sutherland and Rampton 2017) further defines consistent Ag, As, Pb and Sb anomalies (Figures 9-11). The elongated distribution of anomalous samples suggests a linear bedrock source >400m in length, probably structurally controlled vein-type mineralization. Sampling from 2015 suggest that these anomalies may continue to the north. However, the two sample lines north of the 2017 sampling (Figures 8 and 9), show low values for all elements and interrupt the trend. Alternatively the low values along sample lines in a restricted area from 2015 sampling may represent abrupt changes in underlying bedrock geology which is commonly cuts or controls strongly mineralized zones.

The Ag, As, Pb and Sb anomalies bifurcate along two axes within the detailed portion of the broader anomaly. This bifurcation causes the anomaly to be wider than would be the case for single anomalous vein. This suggests that the bedrock source of this anomaly may have been reactivated with slightly different

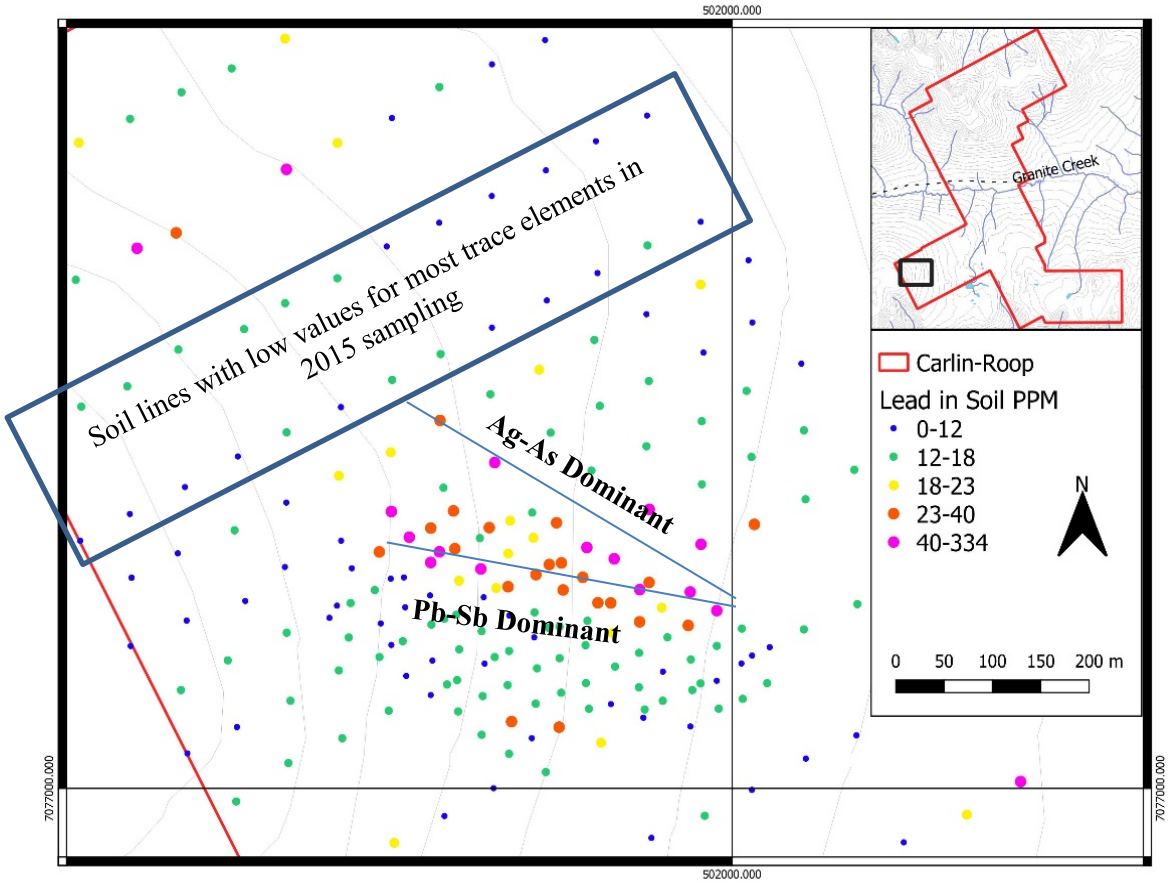

Figure 10: Plot of lead analysis of soil samples with bifurcation of anomaly illustrated

orientations and fluid chemistries. The northeast boundary of the anomaly shows strongly anomalous Ag, As, Pb, Sb and +Zn whereas the southern boundary is dominated by anomalous Pb, and Sb. Alternatively, this variation could be due to smearing of bedrock anomalies in overburden and variable transfer of elemental anomalies.

The change in the orientation on the northern most two lines from the 2015 sampling from north-south to northwest southeast within the detailed sampling from 2017 coincides with a change in the orientation of the slope illustrated in Figure 8. The axis of the Ag, Sb, As, and Pb anomalies upon the steeply sloping

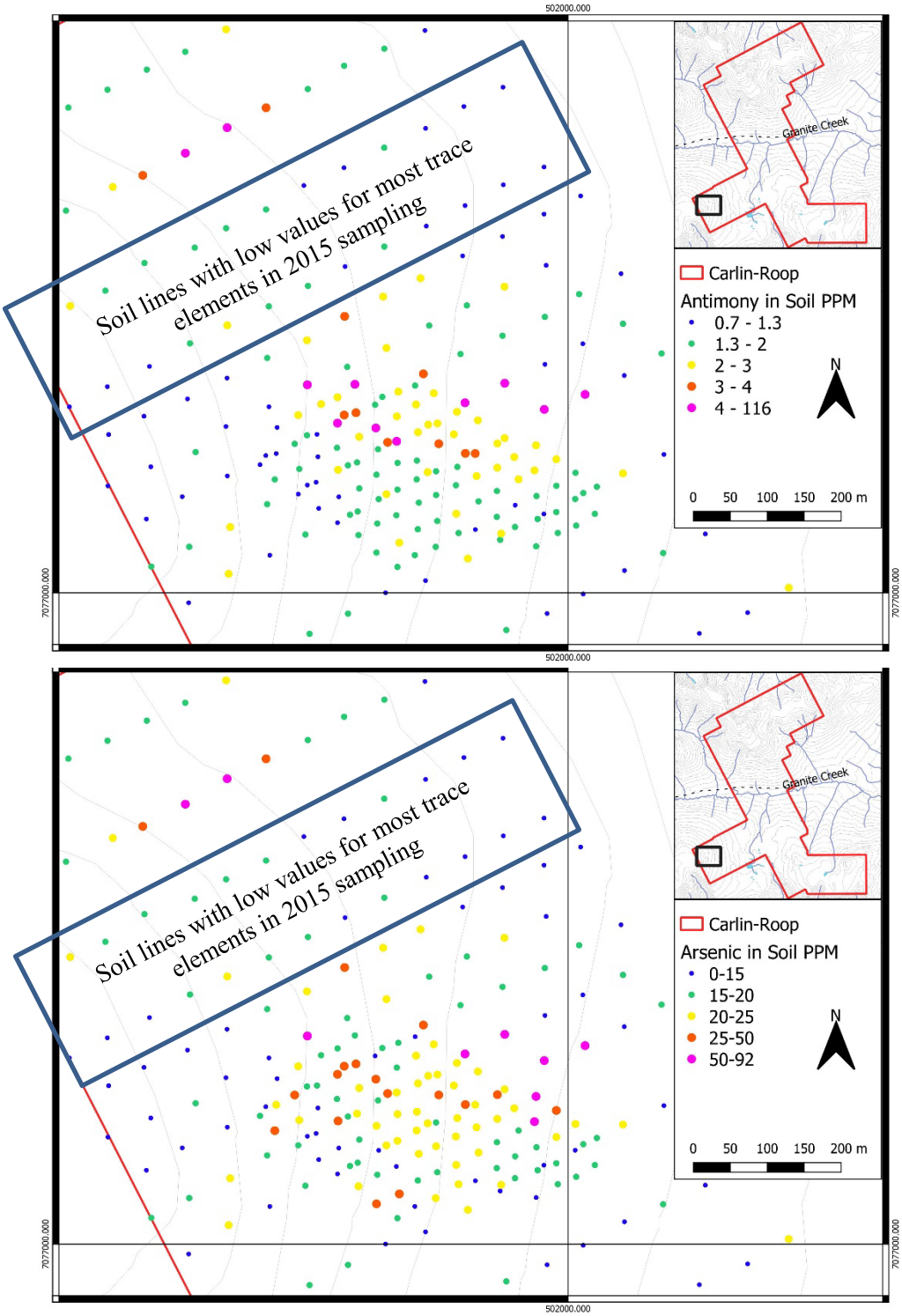

Figure 11: Plots of Sb and As in soil samples

ground imply a roughly NNW trending structure dipping steeply to the east. This structural orientation is within the threshold, albeit at one extreme, of the strongly mineralized “Transvers Veins” identified in the Keno Camp, which strike NNW to NE. Transverse veins in the Keno Camp generally had the widest mineralized zones at intersections with weakly mineralized to barren, east-west striking, north dipping “Longitudinal Veins”. Any rheological contrast will promote brecciation, potentially increasing local mineralization. Locally the small Greenstone stock near the northwest side of the grid may contribute to this.

10.0 Conclusion and Recommendations

10.1 Location of Probable Silver Mineralization

Results to date from the MLM’s sampling programs and earlier silt and soil sampling and geophysics provide strong evidence that a significant source of silver mineralization is present on the Property. This is to be expected due to the long history of silver exploitation in the Keno Camp.

Within the Carlin West Grid primary pathfinders, As, Sb, and Pb suggest an underlying vein system is present over a strike length of 400m to >1000m. The abundance of Ag in soil in association with other with other vein pathfinders suggests that this vein system is probably a Transverse KHTV.

Review of the geology and geophysics suggest that the bedrock underlying the Property is structurally complex. Soil geochemistry appears to be the most cost-effective way to vector to structures containing economic mineralization in areas marked by this complexity. Cryoturbation and mass wasting on the Property contribute to the challenge of distinguishing bedrock signatures. Sampling and analyzing materials at or near the bedrock interface would be of great assistance to focus the location of trenching and diamond drilling. VLF may be useful in defining bedrock structures and breaks though, should this should be tested in areas of known mineralization first.

10.1 Recommended Future Exploration

The strong silver anomaly delineated by this program warrants significant trenching to determine the nature and intensity of bedrock silver mineralization. This should be followed by drilling if there is indication of potentially economic silver mineralization. The KHTV defined by this program appears open to the north and east and soil sampling on a 60m by 30m grid should be completed to further delineate its extent.

Those parts of the Property showing prospectivity from previous geochemical investigation warrant follow-up geochemical sampling. Grid patterns can be biased towards geologic controls as presently understood. Unless the trends of mineralization can be clearly defined the recommended sampling grid is 60m by 100m for targeting and 30m by 30 m for detailing. Ground geophysics that will not be inhibited by high graphite content of the bedrock, such as VLF, should be tested for their effectiveness. Prior to drilling, mechanized bedrock interface sampling or trenching is warranted. Hand trenching would encounter difficulties with large blocks of colluvium and is not recommended for this reason. Scout drilling may be required to properly test anomalies as much of the terrain has been subjected to long periods of weathering under variable climatic regimes, which can lead to near-surface leaching of metals.

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Appendix A

Statement of Qualifications

Tyrell Sutherland M.Sc. P.Geo.

Mayo Lake Minerals Inc.

P.O. Box 158, 110 Westhunt Drive

Carp, Ontario. K0A 1L0

Tel: (613) 884-8332; E-mail: tyrell.sutherland@outlook.com

I, T.B. Sutherland, M.Sc., do hereby certify that

1. I am Vice-President of Exploration of Mayo Lake Minerals Inc.
2. I graduated with a B.Sc. Honors Specialization Geology, from the University of Ottawa in 2009. In addition, I have obtained an M.Sc in Geology from Queens University in 2016.
3. I am a member in good standing of the Association of Professional Geoscientists of Ontario.
4. I have worked as a geologist for approximately 8 years, specifically in mineral exploration, in Canada, Australia, Jamaica and China.
5. I fulfill the requirements of a "qualified person" for the purposes of N.I. 43-101.
6. I am the senior co-author and to the best of my knowledge all data used in the preparation of the technical report titled “Assessment Report on the Carlin-Roop Claim Group Describing the 2017 Soil Sampling Survey” is correct and of good quality. The technical information contained within the report was collected under my supervision and I was primarily responsible for its interpretation.
7. Certain statements concerning the interpretations and discussion of the data maybe considered forward looking statements in that although conceived from the data as recorded to the best of my knowledge may prove in need of variation or changed to reflect changes or updates to the data.

Dated the 19th day of March 2018

_____

Tyrell Brodie Sutherland

Dr. V.N. Rampton, P.Eng.

Rampton Resources Group Inc.

P.O. Box 158, 110 Westhunt Drive

Carp, Ontario. K0A 1L0

Tel: (613) 836-2594; E-mail: vrampton@rogers.com

I, V.N. (Vern) Rampton, Ph.D., P.Eng., do hereby certify that

1. I am President of Rampton Resource Group Inc. and President and CEO of Mayo Lake Minerals Inc.
2. I graduated with a B.Sc. Eng. (Geology) from University of Manitoba in 1962 and with a Ph.D. (Geology) from University of Minnesota in 1969.
3. I am a member of the Professional Engineers of Ontario.
4. I have worked as a geologist for over 50 years, specifically in mineral exploration for the last 40 years, in Canada, Slovakia, Finland, Spain, Burkina Faso, Jamaica and the United States of America.
5. By reason of my education, affiliation with a professional organization (as defined in N.I. 43-101) and past relevant work experience, I fulfill the requirements of a "qualified person" for the purposes of N.I. 43-101.
6. By reason of my being CEO, President and a Director and my shareholdings in Mayo Lake Minerals Inc., I am not an "independent qualified person" for the purposes of N.I 43-101.
7. I am a co-author of the technical report titled “Assessment Report on the Carlin-Roop Claim Group Describing the 2017 Soil Sampling Survey”.
8. Certain statements concerning the interpretations and discussion of the data maybe considered forward looking statements in that although conceived from the data as recorded to the best of my knowledge may prove in need of variation or changed to reflect changes or updates to the data.

Dated the 19th day of March 2018

_____

Vernon Neil Rampton

Appendix B

Sample Locations

WGS84 8N

Property	Sampler	Sample Number	QAQC	Easting	Northing	Elevation	Date
Carlin	TS	1890151		502236.6	7076630	1398	8/1/2017
Carlin	TS	1890152		502285.8	7076660	1396	8/1/2017
Carlin	JM	1890281		501716.5	7077078	1509	8/1/2017
Carlin	JM	1890282		501742	7077094	1503	8/1/2017
Carlin	JM	1890283		501767.7	7077105	1489	8/1/2017
Carlin	JM	1890284		501798.1	7077122	1484	8/1/2017
Carlin	JM	1890285		501821.5	7077132	1480	8/1/2017
Carlin	JM	1890286		501848.2	7077145	1474	8/1/2017
Carlin	JM	1890287		501876.2	7077158	1466	8/1/2017
Carlin	JM	1890288		501904.2	7077169	1460	8/1/2017
Carlin	JM	1890289		501927.1	7077184	1461	8/1/2017
Carlin	JM	1890290		501956.6	7077199	1457	8/1/2017
Carlin	JM	1890291		501984	7077181	1451	8/1/2017
Carlin	JM	1890292		501954.5	7077165	1456	8/1/2017
Carlin	JM	1890293		501933	7077153	1456	8/1/2017
Carlin	JM	1890294		501903.7	7077138	1465	8/1/2017
Carlin	JM	1890295		501878.8	7077124	1467	8/1/2017
Carlin	JM	1890296		501848.7	7077107	1473	8/1/2017
Carlin	JM	1890297		501823	7077097	1477	8/1/2017
Carlin	JM	1890298		501796.8	7077086	1483	8/1/2017
Carlin	JM	1890299	Field Duplicate	501796.8	7077086	1483	8/1/2017
Carlin	JM	1890300		501771.7	7077068	1492	8/1/2017
Carlin	TS	1890331		502207.1	7076348	1378	8/1/2017
Carlin	TS	1890332		502257.8	7076378	1373	8/1/2017
Carlin	TS	1890333	Field Duplicate	502257.8	7076378	1373	8/1/2017
Carlin	TS	1890334		502314.5	7076406	1369	8/1/2017
Carlin	TS	1890335		502367.3	7076434	1365	8/1/2017
Carlin	TS	1890336		502421.3	7076462	1359	8/1/2017
Carlin	TS	1890337		502393.2	7076519	1366	8/1/2017
Carlin	TS	1890338		502445.8	7076542	1360	8/1/2017
Carlin	TS	1890339		502443	7076611	1364	8/1/2017
Carlin	TS	1890340		502390.4	7076578	1371	8/1/2017
Carlin	TS	1890341		502390.2	7076650	1374	8/1/2017
Carlin	TS	1890342		502388.3	7076720	1377	8/1/2017
Carlin	TS	1890343		502334.2	7076690	1384	8/1/2017
Carlin	TS	1890344		502337	7076622	1382	8/1/2017
Carlin	TS	1890345		502341	7076551	1379	8/1/2017
Carlin	TS	1890346		502310.4	7076537	1382	8/1/2017
Carlin	TS	1890347		502283	7076527	1385	8/1/2017
Carlin	TS	1890348		502228.9	7076499	1392	8/1/2017
Carlin	TS	1890349		502178.9	7076471	1399	8/1/2017

Property	Sampler	Sample Number	QAQC	Easting	Northing	Elevation	Date
Carlin	TS	1890350		502175.5	7076610	1406	8/1/2017
Carlin	JM	1890351		501740.8	7077054	1501	8/1/2017
Carlin	JM	1890352		501769.2	7077035	1493	8/1/2017
Carlin	JM	1890353		501792.7	7077051	1486	8/1/2017
Carlin	JM	1890354		501820.9	7077062	1480	8/1/2017
Carlin	JM	1890355		501851.8	7077081	1473	8/1/2017
Carlin	JM	1890356		501874.5	7077086	1467	8/1/2017
Carlin	JM	1890357		501903.5	7077103	1460	8/1/2017
Carlin	JM	1890358		501928.3	7077119	1460	8/1/2017
Carlin	JM	1890359		501957.2	7077131	1454	8/1/2017
Carlin	JM	1890360		501984.1	7077145	1448	8/1/2017
Carlin	JM	1890361		502009.9	7077162	1444	8/1/2017
Carlin	JM	1890362		502038.7	7077143	1439	8/1/2017
Carlin	JM	1890363		502009.5	7077127	1444	8/1/2017
Carlin	JM	1890364		501984	7077109	1446	8/1/2017
Carlin	JM	1890365		501958.7	7077100	1452	8/1/2017
Carlin	JM	1890366	Field Duplicate	501958.7	7077100	1452	8/1/2017
Carlin	JM	1890367		501928.1	7077089	1458	8/1/2017
Carlin	JM	1890368		501908.1	7077072	1458	8/1/2017
Carlin	JM	1890369		501956.7	7077063	1450	8/1/2017
Carlin	JM	1890370		501986	7077081	1443	8/1/2017
Carlin	JM	1890371		502010.8	7077091	1439	8/1/2017
Carlin	JM	1890372		502036.1	7077107	1437	8/1/2017
Carlin	JM	1890373		501606.5	7077224	1547	8/1/2017
Carlin	RB	1890401		501688.2	7077095	1516	8/1/2017
Carlin	RB	1890402		501715.4	7077110	1511	8/1/2017
Carlin	RB	1890403		501743.9	7077127	1501	8/1/2017
Carlin	RB	1890404		501769.2	7077140	1487	8/1/2017
Carlin	RB	1890405		501795.2	7077153	1483	8/1/2017
Carlin	RB	1890406		501821.4	7077164	1475	8/1/2017
Carlin	RB	1890407		501850.2	7077170	1470	8/1/2017
Carlin	RB	1890408		501874.3	7077188	1468	8/1/2017
Carlin	RB	1890409		501904.3	7077202	1459	8/1/2017
Carlin	RB	1890410		501877.9	7077233	1466	8/1/2017
Carlin	RB	1890411		501845.4	7077214	1475	8/1/2017
Carlin	RB	1890412		501825	7077202	1481	8/1/2017
Carlin	RB	1890413		501795.5	7077179	1490	8/1/2017
Carlin	RB	1890414		501769.3	7077176	1495	8/1/2017
Carlin	RB	1890415		501740.9	7077160	1504	8/1/2017
Carlin	RB	1890416		501717.7	7077141	1512	8/1/2017
Carlin	RB	1890417		501689.9	7077130	1520	8/1/2017
Carlin	RB	1890418		501662.8	7077114	1530	8/1/2017
Carlin	RB	1890419		501635.1	7077133	1542	8/1/2017
Carlin	RB	1890420		501659.2	7077150	1534	8/1/2017
Carlin	RB	1890421		501688.9	7077166	1529	8/1/2017
Carlin	RB	1890422		501714.6	7077176	1518	8/1/2017
Carlin	RB	1890423		501743	7077194	1505	8/1/2017
Carlin	RB	1890424		501768.1	7077205	1496	8/1/2017

Property	Sampler	Sample Number	QAQC	Easting	Northing	Elevation	Date
Carlin	RB	1890425		501797	7077217	1488	8/1/2017
Carlin	RB	1890426		501823.3	7077229	1481	8/1/2017
Carlin	RB	1890427		501849.6	7077245	1475	8/1/2017
Carlin	RB	1890428		501818.2	7077270	1480	8/1/2017
Carlin	RB	1890429		501794.3	7077255	1488	8/1/2017
Carlin	RB	1890430		501768.4	7077238	1493	8/1/2017
Carlin	RB	1890431		501740	7077223	1502	8/1/2017
Carlin	RB	1890432		501717.5	7077211	1510	8/1/2017
Carlin	RB	1890433	Field Duplicate	501717.5	7077211	1510	8/1/2017
Carlin	RB	1890434		501687.5	7077196	1529	8/1/2017
Carlin	RB	1890435		501661.7	7077184	1534	8/1/2017
Carlin	RB	1890436		501636.5	7077168	1540	8/1/2017
Carlin	RB	1890437		501603.4	7077153	1549	8/1/2017
Carlin	RB	1890438		501583.4	7077173	1561	8/1/2017
Carlin	RB	1890439		501605.3	7077188	1547	8/1/2017
Carlin	RB	1890440		501630.3	7077201	1544	8/1/2017
Carlin	RB	1890441		501660.4	7077214	1533	8/1/2017
Carlin	RB	1890442		501688.1	7077229	1523	8/1/2017
Carlin	RB	1890443		501713.1	7077243	1516	8/1/2017
Carlin	RB	1890444		501739	7077254	1510	8/1/2017
Carlin	RB	1890445		501770.4	7077272	1498	8/1/2017
Carlin	RB	1890446		501793.1	7077280	1491	8/1/2017
Carlin	RB	1890447		501711.7	7077282	1510	8/1/2017
Carlin	RB	1890448		501688.2	7077264	1521	8/1/2017
Carlin	RB	1890449		501666	7077255	1527	8/1/2017
Carlin	RB	1890450		501635	7077240	1538	8/1/2017

Appendix C

Assay Certificates

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

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

Client: **Mayo Lake Minerals Inc.**
107 Falldown Lane
Carp Ontario K0A 1L0 Canada

Submitted By: Tyrell Sutherland
Receiving Lab: Canada-Whitehorse
Received: August 03, 2017
Report Date: August 30, 2017
Page: 1 of 5

CERTIFICATE OF ANALYSIS WHI17000475.1

CLIENT JOB INFORMATION

Project: Carlin
Shipment ID:
P.O. Number
Number of Samples: 115

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY040	115	Dry @ 40 Deg. C.			WHI
SS80	115	Dry at 60C sieve 100g to -80 mesh			WHI
AQ251	115	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
SHP01	115	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

Invoice To: Mayo Lake Minerals Inc.
107 Falldown Lane
Carp Ontario K0A 1L0
Canada

CC: Vern Rampton

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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

BUREAU VERITAS MINERAL LABORATORIES Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Mayo Lake Minerals Inc.**
107 Falldown Lane
Carp Ontario K0A 1L0 Canada

Project: Carlin
Report Date: August 30, 2017

CERTIFICATE OF ANALYSIS WHI17000475.1

		Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1890151	Soil		0.92	18.65	10.50	66.1	181	19.8	6.6	218	2.22	14.6	0.9	5.6	2.9	12.8	0.26	1.09	0.18	42	0.19	0.088
1890152	Soil		1.27	17.19	12.44	85.4	100	21.2	9.7	415	2.72	17.6	0.8	1.9	1.6	11.5	0.35	0.99	0.21	47	0.13	0.067
1890281	Soil		1.61	19.87	14.03	62.4	382	16.1	11.5	948	2.65	20.3	1.0	3.1	0.4	8.6	0.24	1.42	0.31	50	0.06	0.074
1890282	Soil		0.88	34.57	15.16	68.2	289	25.7	7.9	381	2.32	17.3	1.6	14.8	5.1	14.1	0.60	1.77	0.19	43	0.21	0.089
1890283	Soil		1.38	15.48	14.35	50.0	496	14.4	4.4	145	2.29	14.2	0.7	5.1	0.4	7.8	0.24	1.82	0.24	51	0.07	0.052
1890284	Soil		1.58	23.31	14.17	75.2	251	19.6	11.7	902	2.76	22.5	1.2	3.8	0.4	10.1	0.37	1.71	0.30	52	0.08	0.084
1890285	Soil		1.47	21.72	13.12	70.6	271	19.4	8.0	411	2.63	20.3	1.1	8.3	0.5	11.0	0.30	1.56	0.28	50	0.09	0.071
1890286	Soil		1.41	23.85	12.86	74.3	450	19.7	7.9	428	2.69	23.1	1.1	5.6	0.7	11.2	0.26	1.50	0.28	49	0.11	0.087
1890287	Soil		1.52	30.20	18.98	82.1	299	22.1	10.0	541	3.04	23.5	1.3	3.8	1.9	10.3	0.33	2.20	0.25	49	0.09	0.074
1890288	Soil		1.61	25.19	27.40	75.6	443	18.9	8.4	379	3.12	24.5	1.1	4.0	0.6	11.4	0.34	2.89	0.27	52	0.10	0.079
1890289	Soil		1.82	17.95	19.73	65.0	583	13.3	11.2	689	2.69	22.4	1.0	3.3	0.4	9.1	0.36	2.26	0.28	51	0.05	0.077
1890290	Soil		1.76	30.71	176.41	111.9	36466	19.2	8.4	368	3.52	56.2	1.4	3.5	0.9	11.3	0.94	2.60	0.27	50	0.09	0.079
1890291	Soil		1.77	25.62	46.23	104.0	44943	16.5	19.9	1289	3.34	38.7	1.4	5.1	0.6	9.7	1.39	2.37	0.30	46	0.07	0.093
1890292	Soil		1.84	31.12	32.37	114.2	4366	24.3	10.0	375	3.23	43.5	1.3	3.8	2.1	11.4	0.59	2.49	0.29	47	0.09	0.087
1890293	Soil		1.43	21.22	17.65	69.7	269	16.6	7.3	321	2.70	18.0	1.0	4.3	0.6	8.7	0.38	2.03	0.25	44	0.07	0.067
1890294	Soil		1.41	26.92	12.45	69.0	304	18.8	7.3	338	3.09	19.1	1.2	11.3	1.4	8.6	0.25	1.39	0.26	45	0.08	0.079
1890295	Soil		1.60	33.81	12.90	69.2	246	13.6	6.5	366	5.10	21.5	1.0	3.8	2.0	6.8	0.22	1.64	0.29	50	0.05	0.088
1890296	Soil		1.28	22.21	16.41	77.3	522	20.1	8.2	398	2.37	20.7	1.0	6.7	1.0	14.6	0.34	2.06	0.26	41	0.15	0.083
1890297	Soil		1.37	20.44	15.73	72.4	660	18.6	6.6	286	2.27	18.5	1.0	2.0	0.9	9.8	0.45	1.91	0.24	41	0.09	0.074
1890298	Soil		1.28	20.39	14.48	68.4	259	20.4	7.4	246	2.44	15.8	0.9	1.7	1.6	9.0	0.30	1.41	0.31	44	0.09	0.057
1890299	Soil		1.38	19.81	16.44	65.3	287	19.5	6.9	229	2.50	16.3	1.0	3.8	1.4	8.4	0.29	1.45	0.24	45	0.08	0.052
1890300	Soil		1.17	33.53	29.94	77.2	957	25.8	8.5	329	2.50	29.6	1.3	15.3	4.6	11.3	0.57	2.71	0.25	40	0.15	0.104
1890331	Soil		2.44	15.92	13.30	59.9	179	11.8	4.9	341	2.28	13.4	0.8	0.9	0.2	8.9	0.14	1.17	0.33	58	0.05	0.071
1890332	Soil		1.22	14.63	14.16	58.6	175	16.8	8.4	352	2.52	14.5	0.7	1.8	1.1	9.9	0.38	1.05	0.22	42	0.10	0.071
1890333	Soil		0.98	13.64	11.55	55.1	102	15.6	7.4	298	2.24	12.1	0.7	1.3	1.3	10.3	0.33	0.77	0.18	37	0.12	0.074
1890334	Soil		1.49	16.41	14.46	67.6	198	17.0	5.5	315	2.53	20.1	0.7	0.7	0.3	9.9	0.28	1.51	0.29	55	0.06	0.060
1890335	Soil		1.05	23.39	16.03	66.8	152	21.6	9.6	346	2.23	17.7	1.0	3.5	2.6	8.8	0.28	1.91	0.23	40	0.10	0.043
1890336	Soil		0.89	18.90	11.53	55.5	363	16.5	6.1	176	1.98	14.1	0.9	2.8	3.0	10.6	0.19	1.11	0.16	38	0.14	0.054
1890337	Soil		1.04	19.22	12.57	64.3	370	19.3	5.3	184	2.30	16.1	0.8	3.9	2.6	10.7	0.27	1.46	0.20	41	0.14	0.063
1890338	Soil		1.21	11.25	11.08	57.2	142	14.2	4.6	173	2.20	12.0	0.6	2.3	1.1	10.2	0.23	0.71	0.21	47	0.09	0.030

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Project: Carlin
Report Date: August 30, 2017

CERTIFICATE OF ANALYSIS WHI17000475.1

		Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1890151	Soil		18.3	26.0	0.35	83.1	0.043	1	1.38	0.006	0.04	0.3	2.4	0.08	<0.02	37	0.5	0.03	3.4
1890152	Soil		15.8	30.8	0.44	100.3	0.038	1	1.48	0.006	0.05	0.3	2.3	0.09	<0.02	23	0.5	0.03	4.6
1890281	Soil		11.4	27.1	0.31	84.3	0.023	2	1.37	0.005	0.05	0.2	1.3	0.15	0.06	48	0.8	0.05	5.4
1890282	Soil		20.0	24.6	0.35	132.9	0.053	1	1.06	0.007	0.05	0.4	3.9	0.07	<0.02	48	0.3	0.03	3.2
1890283	Soil		13.2	25.6	0.25	58.9	0.030	1	0.99	0.005	0.04	0.2	1.1	0.11	0.04	55	0.5	0.04	4.6
1890284	Soil		14.2	29.1	0.40	116.5	0.024	1	1.64	0.006	0.06	0.2	1.4	0.15	0.05	45	0.5	0.04	5.5
1890285	Soil		14.2	28.7	0.39	129.5	0.026	1	1.52	0.006	0.05	0.2	1.5	0.12	0.04	35	0.4	0.04	5.2
1890286	Soil		13.7	28.7	0.40	108.1	0.028	1	1.52	0.006	0.05	0.2	1.8	0.12	0.04	56	0.5	0.04	4.8
1890287	Soil		17.0	31.7	0.45	107.9	0.037	1	1.68	0.006	0.05	0.2	2.9	0.12	0.03	38	1.4	0.04	5.3
1890288	Soil		15.5	31.2	0.41	111.9	0.027	2	1.61	0.006	0.06	0.2	1.7	0.12	0.04	48	1.0	0.05	5.4
1890289	Soil		14.1	23.8	0.22	80.4	0.028	<1	1.13	0.004	0.05	0.1	1.3	0.14	0.05	29	0.8	0.04	5.3
1890290	Soil		16.3	31.9	0.40	95.9	0.028	1	1.63	0.006	0.05	0.2	2.0	0.17	0.05	56	1.6	0.04	5.5
1890291	Soil		13.0	27.0	0.32	112.0	0.020	2	1.33	0.005	0.05	0.2	1.4	0.17	0.08	55	1.5	0.05	5.1
1890292	Soil		18.2	29.6	0.41	109.2	0.026	1	1.90	0.005	0.05	0.2	2.5	0.15	0.03	46	1.3	0.06	5.0
1890293	Soil		13.5	26.0	0.33	85.3	0.021	2	1.36	0.005	0.04	0.2	1.4	0.10	0.04	50	0.8	0.04	4.8
1890294	Soil		14.6	27.7	0.40	92.2	0.025	1	1.57	0.005	0.05	0.2	2.3	0.11	0.03	45	1.0	0.04	4.6
1890295	Soil		12.2	25.5	0.29	74.6	0.034	1	1.37	0.004	0.04	0.2	2.1	0.11	0.04	38	1.2	0.05	5.2
1890296	Soil		13.3	24.3	0.39	139.9	0.023	1	1.26	0.005	0.05	0.2	1.9	0.09	0.03	41	0.4	0.04	3.9
1890297	Soil		14.3	22.3	0.26	94.8	0.024	1	1.05	0.005	0.04	0.2	1.5	0.10	0.04	53	0.4	0.05	3.9
1890298	Soil		14.7	25.9	0.35	89.2	0.030	1	1.42	0.005	0.04	0.3	2.2	0.11	0.02	44	0.5	0.04	4.2
1890299	Soil		14.3	26.9	0.36	87.9	0.029	1	1.49	0.005	0.04	0.2	2.2	0.13	0.02	60	0.5	0.03	4.5
1890300	Soil		18.3	25.2	0.37	85.1	0.036	1	1.16	0.006	0.04	0.3	2.9	0.09	<0.02	82	0.4	0.04	3.4
1890331	Soil		11.9	19.3	0.15	97.0	0.022	1	0.93	0.004	0.05	0.1	0.7	0.15	0.04	35	0.5	0.05	5.8
1890332	Soil		13.0	26.6	0.36	97.1	0.025	<1	1.64	0.005	0.04	0.2	2.0	0.09	0.02	46	0.4	0.04	4.6
1890333	Soil		12.9	23.8	0.36	92.8	0.024	<1	1.51	0.006	0.04	0.2	1.9	0.08	<0.02	29	0.4	0.02	4.3
1890334	Soil		15.1	24.3	0.29	195.7	0.022	1	1.36	0.005	0.05	0.1	1.2	0.18	0.04	27	0.3	0.05	5.6
1890335	Soil		15.8	26.2	0.38	131.9	0.035	<1	1.48	0.005	0.03	0.2	2.6	0.09	<0.02	39	0.3	0.02	3.8
1890336	Soil		14.8	23.6	0.36	122.5	0.035	<1	1.35	0.005	0.03	0.2	2.1	0.08	<0.02	40	0.4	<0.02	3.6
1890337	Soil		16.6	28.5	0.35	115.4	0.038	<1	1.39	0.005	0.03	0.2	2.2	0.10	<0.02	47	0.6	<0.02	4.0
1890338	Soil		14.6	25.7	0.33	192.6	0.041	1	1.10	0.005	0.04	0.2	1.6	0.09	<0.02	20	0.2	0.04	5.2

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		Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1890339	Soil		1.78	21.43	14.31	78.3	109	21.4	7.9	439	3.04	40.1	0.9	8.5	0.8	10.3	0.31	1.28	0.59	54	0.09	0.072
1890340	Soil		0.91	14.17	9.19	50.5	218	16.2	5.1	198	1.95	11.9	0.6	0.9	1.7	9.7	0.24	0.83	0.16	35	0.11	0.040
1890341	Soil		1.44	23.64	12.42	74.1	188	21.3	6.9	232	2.86	23.7	1.0	2.3	0.7	9.6	0.27	1.09	0.44	49	0.08	0.066
1890342	Soil		1.22	16.13	10.43	62.1	314	18.4	6.5	251	2.52	14.5	0.8	0.9	2.3	14.1	0.24	0.90	0.18	42	0.17	0.066
1890343	Soil		1.52	17.30	12.36	77.6	77	18.5	7.3	357	2.91	14.5	0.7	1.5	1.0	10.6	0.21	0.92	0.25	53	0.09	0.069
1890344	Soil		1.12	13.43	11.34	61.7	173	16.3	4.9	171	2.40	14.1	0.6	1.0	1.6	11.8	0.24	0.76	0.21	43	0.10	0.035
1890345	Soil		1.19	27.28	12.11	85.5	163	23.5	9.4	386	2.58	18.4	0.9	5.1	3.7	13.0	0.35	1.28	0.22	43	0.17	0.098
1890346	Soil		1.42	21.49	15.84	74.2	255	19.9	6.9	297	2.54	20.1	0.9	2.7	1.0	9.5	0.21	2.04	0.28	50	0.09	0.065
1890347	Soil		1.22	25.45	14.06	70.7	255	21.8	9.9	411	2.72	17.7	0.8	4.1	3.1	10.2	0.26	1.36	0.26	45	0.12	0.063
1890348	Soil		1.63	12.73	12.23	59.9	207	14.6	5.7	241	2.69	12.9	0.7	1.4	0.5	8.9	0.38	0.85	0.20	51	0.08	0.057
1890349	Soil		2.43	12.24	15.61	64.7	243	10.2	4.7	270	3.25	17.2	0.6	<0.2	0.6	8.9	0.15	1.16	0.36	77	0.04	0.067
1890350	Soil		1.60	26.05	16.96	93.8	260	24.0	10.8	391	3.14	25.2	1.2	13.8	2.1	11.0	0.31	1.50	0.29	53	0.11	0.071
1890351	Soil		1.77	22.31	14.74	64.5	236	19.2	7.3	286	2.89	25.7	1.1	5.9	0.6	9.5	0.26	1.62	0.36	53	0.07	0.074
1890352	Soil		1.68	19.44	12.64	60.6	847	16.2	6.7	287	2.76	19.3	1.0	2.1	0.4	9.5	0.22	1.39	0.31	54	0.07	0.072
1890353	Soil		0.67	11.94	11.41	61.2	461	8.3	2.5	82	0.86	12.1	0.4	0.6	<0.1	16.7	1.44	1.43	0.13	15	0.20	0.107
1890354	Soil		1.61	24.15	24.58	74.1	1520	20.4	9.4	396	2.78	24.0	1.1	3.5	1.1	9.5	0.37	1.82	0.25	50	0.08	0.072
1890355	Soil		2.37	35.26	15.79	75.4	2334	19.7	8.9	386	2.82	22.1	1.3	2.7	0.7	11.0	0.37	1.79	0.26	49	0.09	0.095
1890356	Soil		1.49	15.54	10.92	53.5	551	12.4	5.1	241	2.14	12.2	0.8	5.2	0.4	8.5	0.51	1.18	0.23	48	0.05	0.064
1890357	Soil		1.77	24.01	14.27	72.9	578	17.3	7.5	340	3.21	18.0	1.2	3.2	0.7	9.4	0.26	1.51	0.30	52	0.06	0.069
1890358	Soil		1.39	26.03	11.90	76.8	920	17.6	8.3	327	3.42	18.7	1.1	3.4	1.2	9.6	0.29	1.28	0.27	49	0.09	0.070
1890359	Soil		1.58	25.33	12.50	74.7	821	15.2	7.3	297	3.37	19.2	1.4	3.5	1.3	9.9	0.32	1.35	0.28	52	0.07	0.069
1890360	Soil		1.56	23.59	16.21	110.4	16582	18.8	9.7	377	2.58	22.3	1.5	1.2	0.6	10.7	1.05	1.71	0.23	45	0.08	0.078
1890361	Soil		1.74	19.38	15.37	88.4	6324	14.6	6.1	338	3.04	22.6	1.3	2.8	0.5	9.7	1.17	1.80	0.25	49	0.07	0.070
1890362	Soil		1.35	24.39	11.89	91.4	14956	19.3	9.1	520	2.21	15.3	1.4	6.4	0.8	10.4	1.15	1.51	0.20	43	0.11	0.074
1890363	Soil		2.46	16.80	9.63	76.4	852	12.2	4.8	210	1.99	13.5	0.9	3.8	0.2	8.2	0.54	1.39	0.30	64	0.04	0.061
1890364	Soil		1.45	25.61	11.88	74.5	333	17.5	8.8	390	3.14	18.9	1.2	4.5	1.1	10.0	0.30	1.38	0.24	47	0.09	0.076
1890365	Soil		1.56	30.07	11.71	75.8	470	16.1	6.0	241	4.24	18.7	1.3	3.9	1.6	9.0	0.25	1.35	0.33	50	0.07	0.077
1890366	Soil		1.58	31.70	12.45	77.6	486	16.7	6.2	253	4.43	18.8	1.3	2.5	1.7	9.5	0.28	1.39	0.27	50	0.07	0.076
1890367	Soil		1.58	24.20	13.62	74.1	282	18.6	7.1	308	3.19	17.2	1.1	2.0	1.1	9.6	0.26	1.43	0.28	51	0.08	0.071
1890368	Soil		1.92	64.69	10.53	111.3	2776	16.2	5.5	170	7.35	10.8	1.9	3.0	1.6	10.9	0.55	1.67	0.25	55	0.10	0.099

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		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1890339	Soil		14.5	30.7	0.31	139.7	0.027	1	1.62	0.005	0.05	0.2	1.6	0.14	0.03	40	0.5	0.05	5.6
1890340	Soil		13.9	22.3	0.30	157.5	0.033	<1	1.10	0.005	0.03	0.1	1.8	0.08	<0.02	32	0.3	0.02	3.4
1890341	Soil		14.0	27.5	0.38	119.2	0.023	<1	1.74	0.005	0.04	0.2	1.7	0.12	0.03	42	0.5	0.04	5.2
1890342	Soil		14.6	29.1	0.39	181.3	0.035	<1	1.40	0.006	0.04	0.2	2.1	0.10	<0.02	46	0.6	0.03	4.4
1890343	Soil		15.3	28.3	0.40	102.6	0.028	<1	1.41	0.005	0.05	0.2	1.7	0.11	0.02	27	0.3	0.04	5.2
1890344	Soil		14.3	25.1	0.33	187.3	0.043	<1	1.12	0.005	0.04	0.2	1.8	0.08	<0.02	18	0.3	0.03	4.6
1890345	Soil		16.4	29.4	0.41	120.6	0.040	<1	1.46	0.006	0.05	0.2	2.7	0.09	<0.02	31	0.4	0.03	4.4
1890346	Soil		15.3	30.6	0.38	168.4	0.028	<1	1.69	0.005	0.04	0.2	2.3	0.13	0.02	23	0.5	0.03	4.9
1890347	Soil		15.6	28.0	0.45	134.1	0.037	<1	1.71	0.005	0.05	0.2	2.6	0.08	<0.02	24	0.4	0.03	4.7
1890348	Soil		12.9	28.6	0.35	156.4	0.020	<1	1.66	0.005	0.04	0.2	1.5	0.13	0.03	47	0.6	0.03	5.2
1890349	Soil		13.5	18.8	0.13	113.5	0.042	<1	0.86	0.003	0.06	0.2	1.1	0.15	0.03	33	0.4	0.07	8.2
1890350	Soil		16.3	33.7	0.50	161.1	0.031	1	2.18	0.006	0.06	0.2	3.0	0.15	0.02	52	0.6	0.04	5.5
1890351	Soil		13.8	30.4	0.41	104.2	0.023	<1	1.54	0.006	0.05	0.2	1.7	0.15	0.04	45	0.7	0.04	5.5
1890352	Soil		13.2	28.0	0.37	127.1	0.019	<1	1.56	0.005	0.05	0.2	1.3	0.14	0.05	40	0.6	0.05	6.0
1890353	Soil		4.3	10.7	0.09	80.7	0.012	<1	0.41	0.007	0.06	<0.1	0.7	0.08	0.11	145	0.4	0.03	1.5
1890354	Soil		15.2	29.9	0.42	103.9	0.027	<1	1.72	0.005	0.05	0.2	2.3	0.14	0.03	37	0.8	0.05	5.1
1890355	Soil		14.9	33.2	0.33	133.7	0.028	1	1.41	0.006	0.05	0.2	1.8	0.17	0.06	50	1.7	0.04	5.5
1890356	Soil		11.9	19.2	0.19	120.8	0.029	<1	0.86	0.004	0.04	0.1	1.2	0.09	0.06	32	0.8	0.05	5.5
1890357	Soil		13.5	28.1	0.35	97.7	0.029	2	1.52	0.005	0.06	0.2	2.0	0.15	0.05	39	1.2	0.04	5.8
1890358	Soil		17.3	28.4	0.39	96.4	0.030	1	1.53	0.006	0.06	0.2	2.2	0.11	0.04	39	1.6	0.04	5.1
1890359	Soil		16.9	28.4	0.33	83.1	0.036	1	1.45	0.005	0.05	0.2	2.1	0.15	0.04	46	2.1	0.03	5.4
1890360	Soil		17.7	25.7	0.34	107.6	0.026	1	1.42	0.006	0.06	0.2	1.7	0.14	0.08	55	1.6	0.04	4.8
1890361	Soil		15.1	26.9	0.31	96.1	0.024	1	1.29	0.004	0.05	0.1	1.4	0.15	0.06	37	1.6	0.03	5.2
1890362	Soil		17.0	26.9	0.30	147.0	0.026	1	1.42	0.005	0.05	0.2	2.1	0.12	0.06	43	1.0	0.03	4.1
1890363	Soil		13.8	19.3	0.09	113.4	0.023	<1	0.78	0.003	0.05	0.1	0.9	0.19	0.06	18	0.7	0.07	5.5
1890364	Soil		16.5	27.6	0.37	98.3	0.029	1	1.54	0.005	0.05	0.2	2.0	0.12	0.04	48	1.4	0.04	4.9
1890365	Soil		16.0	28.4	0.36	80.9	0.035	1	1.63	0.005	0.05	0.2	2.3	0.14	0.05	47	1.8	0.03	5.1
1890366	Soil		16.7	28.7	0.36	81.9	0.036	1	1.65	0.005	0.06	0.2	2.4	0.14	0.05	45	1.9	0.04	5.3
1890367	Soil		14.2	28.3	0.40	94.5	0.031	1	1.62	0.005	0.05	0.2	2.1	0.14	0.04	46	1.0	0.04	5.4
1890368	Soil		15.2	25.5	0.23	118.1	0.052	1	1.27	0.005	0.06	0.2	2.4	0.14	0.10	41	8.4	0.03	6.3

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107 Falldown Lane
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Project: Carlin
Report Date: August 30, 2017

CERTIFICATE OF ANALYSIS WHI17000475.1

		Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1890369	Soil		2.05	57.32	10.24	75.0	466	10.4	3.9	163	9.52	14.7	1.1	1.0	1.1	6.9	0.35	1.49	0.28	57	0.04	0.116
1890370	Soil		1.74	26.99	13.93	69.9	325	17.0	7.6	353	3.48	17.8	1.3	1.8	1.2	9.9	0.34	1.66	0.24	52	0.09	0.073
1890371	Soil		1.51	26.10	12.65	77.5	252	18.3	10.5	456	3.39	19.9	1.2	2.0	1.1	10.2	0.32	1.41	0.25	50	0.08	0.074
1890372	Soil		1.52	26.00	12.97	94.7	525	18.8	8.4	315	2.83	18.3	1.5	5.2	0.9	10.3	0.57	1.33	0.23	47	0.10	0.077
1890373	Soil		0.93	15.77	7.82	68.4	126	18.7	7.7	356	2.03	12.2	0.7	8.3	2.2	10.5	0.40	1.09	0.14	36	0.13	0.057
1890401	Soil		1.39	18.73	11.88	60.8	130	17.9	7.0	274	2.51	14.0	0.8	35.6	0.7	10.1	0.28	1.15	0.22	50	0.10	0.053
1890402	Soil		1.39	18.67	12.36	63.0	239	16.2	9.0	657	2.56	17.8	1.0	7.5	0.6	9.2	0.29	1.59	0.24	52	0.08	0.062
1890403	Soil		1.10	18.98	10.08	56.2	253	16.4	5.8	233	2.17	14.3	1.0	3.2	0.7	10.3	0.32	1.44	0.21	46	0.10	0.067
1890404	Soil		1.14	36.52	13.87	72.6	414	27.0	10.3	439	2.70	20.1	1.9	6.0	5.3	13.8	0.33	1.81	0.21	50	0.15	0.081
1890405	Soil		1.34	19.59	11.49	69.6	203	18.3	7.8	384	2.50	20.1	1.0	7.5	0.9	9.8	0.28	1.48	0.25	48	0.09	0.061
1890406	Soil		1.56	17.17	13.96	60.2	206	15.8	7.5	363	2.61	17.4	0.9	1.5	0.3	10.2	0.22	1.36	0.23	52	0.08	0.076
1890407	Soil		1.55	22.06	17.16	71.3	269	19.7	7.0	270	2.77	20.7	1.1	2.9	1.1	11.6	0.26	1.80	0.24	52	0.11	0.075
1890408	Soil		1.68	25.92	28.89	74.5	495	19.1	9.8	490	3.13	24.9	1.2	2.6	1.3	11.5	0.36	3.13	0.25	53	0.10	0.084
1890409	Soil		1.58	22.28	104.95	91.3	14198	16.2	10.0	506	2.92	35.9	1.1	4.6	0.9	11.4	0.59	2.14	0.24	48	0.09	0.079
1890410	Soil		1.50	26.94	126.74	89.4	15436	20.9	8.5	342	2.76	24.5	1.2	2.2	1.3	11.6	0.47	2.10	0.24	51	0.12	0.087
1890411	Soil		1.66	22.63	23.61	60.6	387	15.5	6.0	233	3.29	22.1	1.1	3.9	0.9	10.3	0.26	2.61	0.26	49	0.08	0.079
1890412	Soil		1.26	25.90	25.71	81.2	766	20.9	9.6	452	2.67	26.0	1.1	19.1	1.3	15.5	0.57	3.24	0.23	42	0.17	0.142
1890413	Soil		1.27	24.89	12.28	72.4	238	21.0	8.7	386	2.44	22.0	1.2	3.1	1.7	11.0	0.28	1.78	0.22	44	0.12	0.092
1890414	Soil		1.42	21.99	11.65	65.6	183	19.6	6.6	276	2.59	20.3	1.1	5.7	1.1	10.6	0.24	1.41	0.24	50	0.10	0.062
1890415	Soil		1.67	18.70	13.11	80.0	170	19.4	8.5	439	2.98	24.2	0.9	1.4	0.6	11.5	0.29	1.54	0.30	54	0.10	0.064
1890416	Soil		1.35	19.52	12.18	70.7	154	18.7	10.2	521	2.56	19.2	1.0	3.0	1.6	8.9	0.30	1.53	0.25	49	0.08	0.047
1890417	Soil		1.54	19.16	10.73	61.6	84	17.0	6.2	231	2.58	13.8	0.8	9.8	0.7	9.2	0.15	1.09	0.24	56	0.08	0.052
1890418	Soil		1.85	14.43	10.85	58.7	101	12.8	5.1	339	2.60	11.8	0.7	1.8	0.2	9.1	0.13	0.93	0.28	66	0.07	0.073
1890419	Soil		1.52	14.07	13.73	54.4	169	11.7	5.7	345	2.33	15.2	0.7	0.4	0.2	8.5	0.25	1.01	0.27	52	0.07	0.083
1890420	Soil		1.80	14.46	12.72	79.8	59	18.0	8.6	397	2.96	12.1	0.7	3.6	0.8	10.0	0.24	1.02	0.27	63	0.10	0.049
1890421	Soil		1.67	23.15	14.29	73.2	311	20.8	7.1	307	2.75	30.6	1.0	3.0	1.1	12.3	0.30	2.14	0.32	50	0.12	0.079
1890422	Soil		1.48	21.57	12.46	72.0	191	20.5	7.7	368	2.70	23.8	1.1	6.1	0.9	10.4	0.20	1.56	0.29	51	0.09	0.062
1890423	Soil		1.28	19.87	10.98	60.0	245	17.4	7.0	297	2.29	16.0	1.0	4.5	0.7	8.7	0.32	1.37	0.22	46	0.08	0.062
1890424	Soil		0.94	28.75	24.09	62.2	514	21.5	8.3	379	2.24	22.3	1.4	10.4	4.1	10.8	0.54	4.76	0.21	42	0.15	0.070
1890425	Soil		1.34	20.13	32.53	75.8	515	18.3	8.2	370	2.49	20.7	1.0	5.1	0.8	10.5	0.45	2.98	0.22	47	0.10	0.068

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Project: Carlin
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	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1890369	Soil	11.3	23.4	0.13	65.7	0.042	<1	1.11	0.003	0.05	0.1	1.5	0.14	0.09	44	1.5	0.06	6.0
1890370	Soil	17.2	29.0	0.35	88.3	0.032	1	1.66	0.005	0.05	0.2	2.1	0.15	0.04	49	1.2	0.05	5.5
1890371	Soil	16.1	28.9	0.39	102.8	0.030	1	1.61	0.006	0.06	0.2	2.0	0.12	0.05	43	1.3	0.04	5.1
1890372	Soil	17.6	27.9	0.37	90.4	0.025	<1	1.72	0.005	0.05	0.2	1.7	0.12	0.04	55	0.9	0.03	4.9
1890373	Soil	15.1	23.6	0.31	76.7	0.045	<1	1.30	0.006	0.04	0.3	2.2	0.07	0.03	67	0.4	<0.02	3.2
1890401	Soil	16.6	27.6	0.36	108.0	0.032	1	1.44	0.005	0.04	0.3	1.8	0.13	0.04	71	0.6	0.03	4.6
1890402	Soil	17.4	27.8	0.31	86.7	0.032	1	1.41	0.005	0.05	0.2	1.4	0.12	0.04	47	0.5	0.04	4.8
1890403	Soil	18.6	25.1	0.33	76.1	0.030	1	1.13	0.007	0.05	0.2	1.4	0.09	0.05	48	0.4	0.03	3.9
1890404	Soil	23.3	28.1	0.50	183.4	0.052	1	1.57	0.008	0.06	0.4	4.9	0.10	<0.02	38	0.3	0.04	4.4
1890405	Soil	16.0	27.0	0.39	105.5	0.029	1	1.45	0.006	0.05	0.2	1.8	0.11	0.04	42	0.5	0.04	4.5
1890406	Soil	13.6	27.6	0.38	91.8	0.018	1	1.61	0.005	0.06	0.1	1.0	0.15	0.04	46	0.6	0.04	5.5
1890407	Soil	16.2	31.5	0.47	119.3	0.031	1	1.79	0.006	0.06	0.2	2.5	0.14	0.04	39	0.9	0.03	5.1
1890408	Soil	17.3	33.1	0.46	112.4	0.033	1	1.78	0.006	0.06	0.3	2.2	0.12	0.03	39	1.1	0.03	5.6
1890409	Soil	16.8	28.9	0.38	90.1	0.028	<1	1.52	0.005	0.06	0.2	1.8	0.13	0.05	50	1.2	0.03	5.2
1890410	Soil	17.4	30.6	0.46	104.5	0.031	<1	1.76	0.006	0.06	0.2	2.4	0.13	0.03	46	0.7	0.03	5.1
1890411	Soil	15.3	27.9	0.37	101.9	0.026	<1	1.51	0.006	0.05	0.2	1.9	0.13	0.04	39	0.8	0.04	5.1
1890412	Soil	19.2	25.7	0.36	93.6	0.025	1	1.31	0.006	0.06	0.2	1.8	0.08	0.04	43	0.6	0.05	3.9
1890413	Soil	18.0	26.0	0.39	93.3	0.033	<1	1.38	0.005	0.05	0.2	2.6	0.11	<0.02	45	0.5	0.03	4.2
1890414	Soil	17.3	28.3	0.42	99.0	0.033	1	1.56	0.006	0.05	0.2	2.1	0.13	0.03	55	0.4	0.03	4.7
1890415	Soil	12.9	30.9	0.43	129.0	0.029	<1	1.53	0.005	0.06	0.2	1.5	0.11	0.05	43	0.4	0.05	5.4
1890416	Soil	16.8	28.6	0.40	90.3	0.038	<1	1.36	0.005	0.05	0.2	1.9	0.10	0.03	35	0.4	0.03	4.7
1890417	Soil	13.2	28.7	0.36	75.6	0.033	<1	1.48	0.005	0.04	0.2	1.7	0.14	0.05	50	0.6	0.03	5.4
1890418	Soil	10.9	27.6	0.25	74.0	0.027	<1	1.47	0.005	0.05	0.1	1.1	0.17	0.06	49	0.6	0.04	6.9
1890419	Soil	11.4	21.4	0.23	98.3	0.020	1	1.11	0.005	0.06	0.2	0.8	0.13	0.07	81	0.4	0.04	5.7
1890420	Soil	12.8	30.7	0.46	147.5	0.028	2	1.98	0.006	0.05	0.2	2.0	0.17	0.03	36	0.7	0.05	5.9
1890421	Soil	14.6	29.5	0.46	142.0	0.029	2	1.51	0.007	0.06	0.2	2.1	0.14	0.04	37	0.4	0.04	4.8
1890422	Soil	14.9	29.4	0.44	116.8	0.028	2	1.60	0.006	0.06	0.2	2.0	0.13	0.04	27	0.4	0.04	4.9
1890423	Soil	14.2	25.3	0.33	74.0	0.030	<1	1.21	0.006	0.05	0.2	1.5	0.11	0.05	56	0.4	0.03	4.4
1890424	Soil	20.8	23.0	0.32	104.4	0.046	<1	1.00	0.005	0.04	0.3	3.1	0.06	<0.02	39	0.3	0.03	3.0
1890425	Soil	13.6	27.6	0.42	124.3	0.025	2	1.50	0.006	0.06	0.2	1.9	0.12	0.03	60	0.4	0.04	4.6

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		Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1890426	Soil		1.50	21.13	29.41	73.7	439	18.8	7.9	356	2.73	21.5	1.1	9.8	0.9	10.7	0.31	2.69	0.26	52	0.09	0.071
1890427	Soil		1.44	23.27	69.65	80.2	5475	19.5	8.9	341	2.68	20.3	1.2	4.3	1.1	10.9	0.34	2.11	0.24	49	0.10	0.081
1890428	Soil		1.24	23.88	24.12	69.3	1153	19.6	7.5	360	2.38	21.5	1.2	4.8	2.1	10.4	0.37	2.51	0.21	43	0.11	0.070
1890429	Soil		1.28	28.54	21.40	84.3	498	22.8	9.0	400	2.55	21.4	1.3	6.1	4.3	13.2	0.32	2.55	0.22	45	0.14	0.099
1890430	Soil		1.25	20.17	21.24	63.5	482	16.9	6.8	277	2.28	16.4	1.0	3.7	0.7	9.7	0.27	2.16	0.22	46	0.09	0.068
1890431	Soil		1.46	20.94	56.77	62.9	1017	17.2	7.1	330	2.53	28.1	1.1	6.6	0.4	10.1	0.25	5.20	0.29	50	0.08	0.085
1890432	Soil		1.59	20.25	22.51	65.3	232	16.8	9.3	676	2.71	20.1	1.1	2.3	0.4	9.7	0.23	2.80	0.25	56	0.07	0.075
1890433	Soil		1.62	20.53	22.96	65.0	302	17.5	9.8	794	2.80	20.4	1.1	1.6	0.5	9.5	0.25	2.93	0.24	55	0.07	0.075
1890434	Soil		1.38	18.10	10.33	56.9	139	16.1	8.5	630	2.68	18.7	0.9	2.4	1.5	8.5	0.21	1.52	0.24	55	0.08	0.055
1890435	Soil		1.13	17.90	11.07	61.9	70	20.5	10.5	387	2.46	14.5	1.0	8.3	1.8	10.5	0.20	1.04	0.20	47	0.10	0.048
1890436	Soil		1.05	23.74	10.28	64.5	139	20.8	8.1	307	2.30	21.9	1.0	5.7	3.4	11.0	0.25	1.60	0.30	43	0.14	0.062
1890437	Soil		1.62	22.27	12.21	73.8	193	19.5	11.4	1213	2.76	25.1	1.0	3.0	0.7	10.5	0.25	1.33	0.31	55	0.09	0.082
1890438	Soil		1.39	23.14	11.25	72.2	215	21.5	7.6	303	2.71	17.7	1.0	3.5	0.8	12.2	0.24	1.18	0.24	51	0.12	0.082
1890439	Soil		1.50	22.76	12.08	74.6	243	20.5	7.2	289	2.69	23.0	1.1	3.9	0.6	10.4	0.26	1.26	0.26	52	0.09	0.081
1890440	Soil		1.74	19.68	13.93	61.2	129	15.6	7.3	477	3.00	26.9	1.0	4.7	0.6	8.3	0.25	1.44	0.32	65	0.06	0.074
1890441	Soil		1.58	18.30	11.67	63.6	91	16.3	8.4	464	2.85	19.9	0.9	3.0	0.7	8.7	0.24	1.26	0.28	57	0.07	0.062
1890442	Soil		1.50	23.93	56.17	76.5	331	19.1	7.2	298	2.99	32.0	1.2	4.7	0.9	9.9	0.28	4.52	0.27	53	0.08	0.068
1890443	Soil		1.25	28.70	33.53	65.4	200	23.5	9.5	358	2.51	25.6	1.4	4.5	3.2	11.7	0.23	3.44	0.22	47	0.11	0.051
1890444	Soil		1.46	17.80	16.41	63.0	130	17.4	7.9	332	2.59	14.4	0.9	3.0	1.0	10.0	0.31	1.80	0.21	56	0.09	0.047
1890445	Soil		1.06	24.45	19.85	65.7	315	21.1	6.8	322	2.29	16.7	1.2	9.8	1.6	10.8	0.32	2.35	0.19	44	0.12	0.066
1890446	Soil		1.41	14.72	17.28	42.1	520	11.4	3.8	161	1.82	14.4	0.8	2.9	0.1	8.5	0.23	1.39	0.22	43	0.07	0.093
1890447	Soil		1.09	25.45	24.06	63.3	311	20.9	6.8	331	2.10	19.1	1.1	6.7	4.7	9.5	0.45	4.54	0.18	37	0.12	0.073
1890448	Soil		0.93	25.79	23.73	60.5	359	21.8	6.8	291	2.11	16.5	1.3	17.4	3.9	11.8	0.48	2.82	0.19	40	0.17	0.074
1890449	Soil		1.07	10.93	46.55	31.7	212	7.7	2.6	94	1.66	15.5	0.5	4.3	0.5	5.9	0.06	2.44	0.20	49	0.04	0.038
1890450	Soil		1.43	19.80	31.13	64.6	183	19.7	7.8	291	2.59	22.7	0.9	4.4	1.5	10.2	0.23	2.70	0.21	53	0.10	0.054

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107 Falldown Lane
Carp Ontario K0A 1L0 Canada

Project: Carlin
Report Date: August 30, 2017

CERTIFICATE OF ANALYSIS WHI17000475.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1890426	Soil	15.7	29.2	0.45	106.9	0.027	2	1.72	0.006	0.06	0.2	2.1	0.15	0.04	42	0.5	0.05	5.3
1890427	Soil	17.0	30.1	0.45	103.4	0.029	2	1.71	0.006	0.06	0.2	2.4	0.14	0.03	52	0.5	0.05	5.2
1890428	Soil	17.3	25.6	0.38	99.5	0.032	1	1.43	0.005	0.05	0.2	2.5	0.10	0.02	55	0.4	0.04	4.1
1890429	Soil	19.9	26.6	0.43	119.0	0.040	1	1.46	0.006	0.06	0.3	3.4	0.10	<0.02	38	0.3	0.04	4.2
1890430	Soil	15.1	24.9	0.36	103.2	0.026	2	1.35	0.006	0.05	0.2	1.9	0.12	0.03	48	0.4	0.04	4.5
1890431	Soil	14.4	28.6	0.38	93.4	0.019	2	1.50	0.007	0.06	0.2	1.2	0.14	0.04	55	0.6	0.03	5.1
1890432	Soil	16.2	28.9	0.35	87.6	0.025	1	1.48	0.005	0.05	0.2	1.4	0.15	0.04	50	0.5	0.05	5.9
1890433	Soil	15.3	28.3	0.37	84.0	0.025	1	1.50	0.005	0.05	0.1	1.3	0.14	0.04	43	0.4	0.04	5.0
1890434	Soil	15.1	26.7	0.29	74.4	0.052	1	1.09	0.004	0.05	0.3	1.8	0.08	0.05	36	0.4	0.04	4.8
1890435	Soil	15.3	27.0	0.46	151.2	0.029	<1	1.67	0.006	0.05	0.2	2.7	0.12	0.02	37	0.5	0.04	4.7
1890436	Soil	16.6	24.2	0.39	86.6	0.042	<1	1.27	0.006	0.05	0.3	2.6	0.10	<0.02	44	0.4	<0.02	3.4
1890437	Soil	14.7	29.6	0.40	116.1	0.029	1	1.67	0.006	0.07	0.1	1.9	0.17	0.05	50	0.5	0.05	5.7
1890438	Soil	15.9	28.8	0.50	99.3	0.031	2	1.67	0.007	0.07	0.2	2.1	0.14	0.04	58	0.5	0.04	5.1
1890439	Soil	16.2	29.1	0.47	98.9	0.028	1	1.67	0.007	0.06	0.2	1.9	0.15	0.05	38	0.4	0.04	5.4
1890440	Soil	13.8	28.1	0.30	88.7	0.031	<1	1.44	0.004	0.06	0.2	1.6	0.15	0.06	27	0.4	0.06	6.8
1890441	Soil	14.9	27.6	0.35	89.0	0.030	<1	1.57	0.004	0.05	0.2	1.7	0.14	0.05	41	0.4	0.03	5.9
1890442	Soil	14.2	30.6	0.41	106.3	0.025	1	1.67	0.006	0.05	0.2	2.2	0.16	0.03	53	0.8	0.05	5.3
1890443	Soil	21.0	27.6	0.44	207.7	0.038	<1	1.50	0.007	0.05	0.2	3.8	0.11	<0.02	42	0.4	0.03	4.2
1890444	Soil	15.6	29.7	0.36	108.1	0.032	<1	1.46	0.005	0.05	0.3	1.9	0.13	0.03	34	0.4	0.04	5.4
1890445	Soil	17.3	25.2	0.36	103.1	0.035	<1	1.19	0.006	0.05	0.2	2.2	0.09	0.03	57	0.4	0.04	4.0
1890446	Soil	10.1	21.0	0.20	75.8	0.012	<1	1.06	0.005	0.05	0.1	0.5	0.13	0.08	75	0.4	0.03	4.9
1890447	Soil	17.7	21.1	0.30	76.6	0.042	<1	0.93	0.004	0.04	0.3	2.6	0.06	<0.02	36	0.3	0.04	3.0
1890448	Soil	20.1	22.2	0.31	79.5	0.043	<1	0.93	0.005	0.04	0.3	2.7	0.06	<0.02	62	0.3	0.02	2.9
1890449	Soil	11.6	16.8	0.10	39.5	0.030	<1	0.70	0.003	0.02	0.2	1.0	0.09	0.03	30	0.3	0.05	4.6
1890450	Soil	15.1	28.4	0.39	134.5	0.029	<1	1.64	0.005	0.04	0.2	2.2	0.14	0.02	50	0.6	0.04	4.9

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107 Falldown Lane
Carp Ontario K0A 1L0 Canada

Project: Carlin
Report Date: August 30, 2017

QUALITY CONTROL REPORT WHI17000475.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
1890332	Soil	1.22	14.63	14.16	58.6	175	16.8	8.4	352	2.52	14.5	0.7	1.8	1.1	9.9	0.38	1.05	0.22	42	0.10	0.071
REP 1890332	QC	1.27	14.74	14.33	62.3	183	17.0	8.6	343	2.64	15.0	0.7	1.3	1.2	9.8	0.45	1.06	0.21	43	0.11	0.073
1890368	Soil	1.92	64.69	10.53	111.3	2776	16.2	5.5	170	7.35	10.8	1.9	3.0	1.6	10.9	0.55	1.67	0.25	55	0.10	0.099
REP 1890368	QC	1.91	64.85	10.71	111.0	2745	15.9	5.5	179	7.57	10.8	2.0	1.6	1.6	11.1	0.58	1.70	0.26	56	0.10	0.101
1890429	Soil	1.28	28.54	21.40	84.3	498	22.8	9.0	400	2.55	21.4	1.3	6.1	4.3	13.2	0.32	2.55	0.22	45	0.14	0.099
REP 1890429	QC	1.31	30.42	21.67	85.6	508	23.6	9.1	414	2.57	22.0	1.3	4.1	4.5	12.9	0.34	2.67	0.23	44	0.14	0.096
Reference Materials																					
STD DS11	Standard	15.03	159.53	141.10	343.6	1698	84.2	15.2	1043	3.25	44.2	2.6	69.4	7.6	67.1	2.40	8.94	12.08	51	1.07	0.074
STD DS11	Standard	15.08	146.51	138.51	341.8	1704	79.7	14.0	1058	3.13	42.9	2.5	68.0	7.7	66.2	2.30	9.02	11.76	49	1.05	0.074
STD DS11	Standard	15.07	149.20	139.14	331.6	1725	76.7	13.6	998	3.10	42.7	2.5	63.5	7.8	66.4	2.35	8.81	11.69	50	1.06	0.074
STD DS11	Standard	14.08	154.11	137.96	328.2	1786	78.7	13.3	989	3.04	42.1	2.5	72.6	7.6	59.7	2.44	8.75	11.97	46	1.01	0.073
STD OXC129	Standard	1.21	28.83	5.99	42.8	9	80.9	20.7	410	3.05	0.6	0.7	197.4	1.7	182.8	<0.01	0.05	<0.02	51	0.64	0.103
STD OXC129	Standard	1.20	24.58	5.92	39.1	11	73.5	19.5	403	2.82	0.3	0.7	182.2	1.6	173.1	0.02	0.04	0.02	47	0.59	0.104
STD OXC129	Standard	1.27	26.55	6.38	41.0	13	80.3	22.0	415	3.03	0.6	0.7	191.6	1.8	196.1	0.01	0.03	<0.02	52	0.70	0.110
STD OXC129	Standard	1.24	27.44	6.14	40.5	9	76.0	19.8	412	3.03	0.6	0.6	196.6	1.8	176.4	0.01	0.03	<0.02	50	0.63	0.108
STD OXC129 Expected		1.3	28	6.3	42.9	28	79.5	20.3	421	3.065	0.6	0.72	195	1.9		0.03	0.04		51	0.665	0.102
STD DS11 Expected		14.6	156	138	345	1710	81.9	14.2	1055	3.2082	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	4	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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107 Falldown Lane
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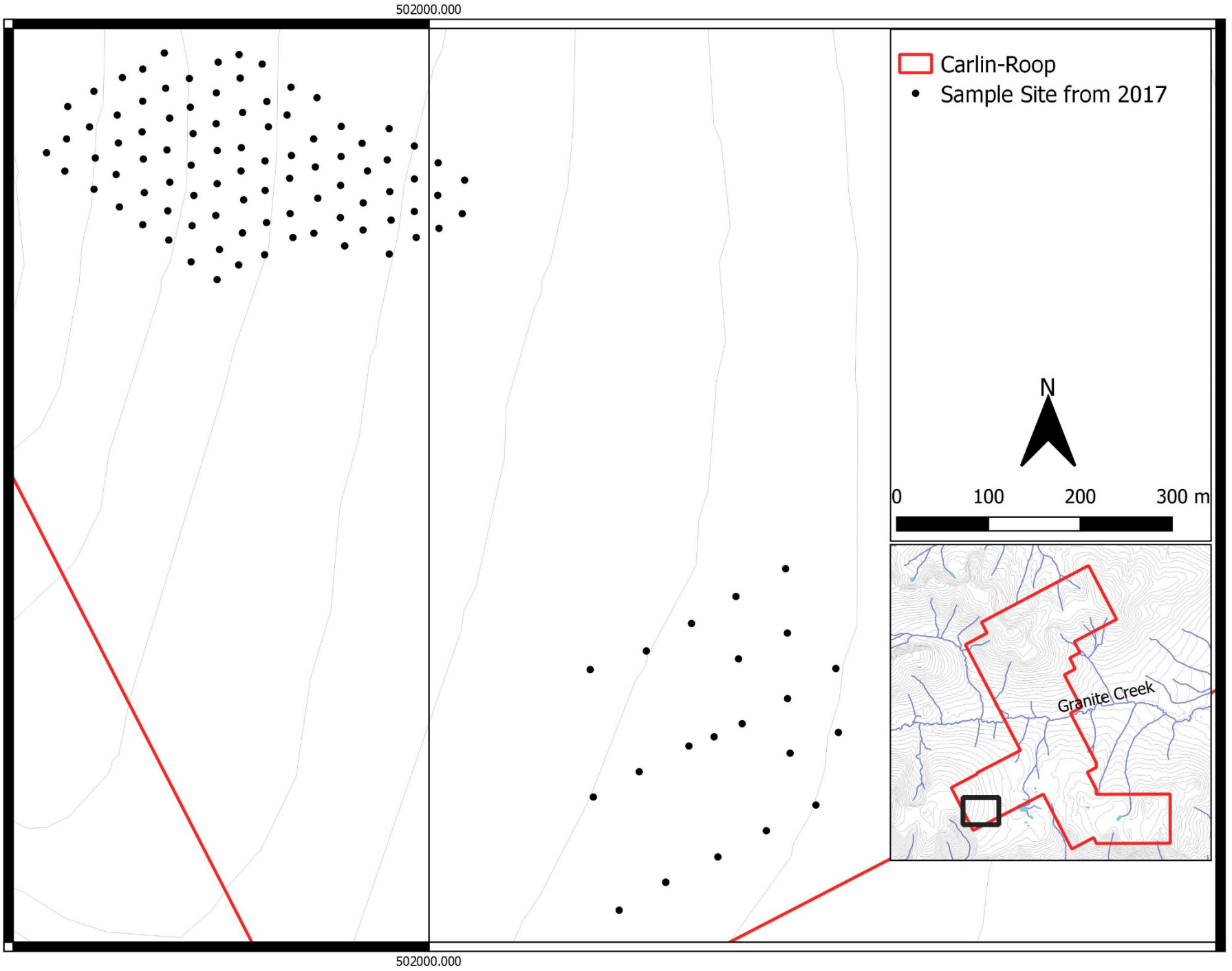
Project: Carlin
Report Date: August 30, 2017

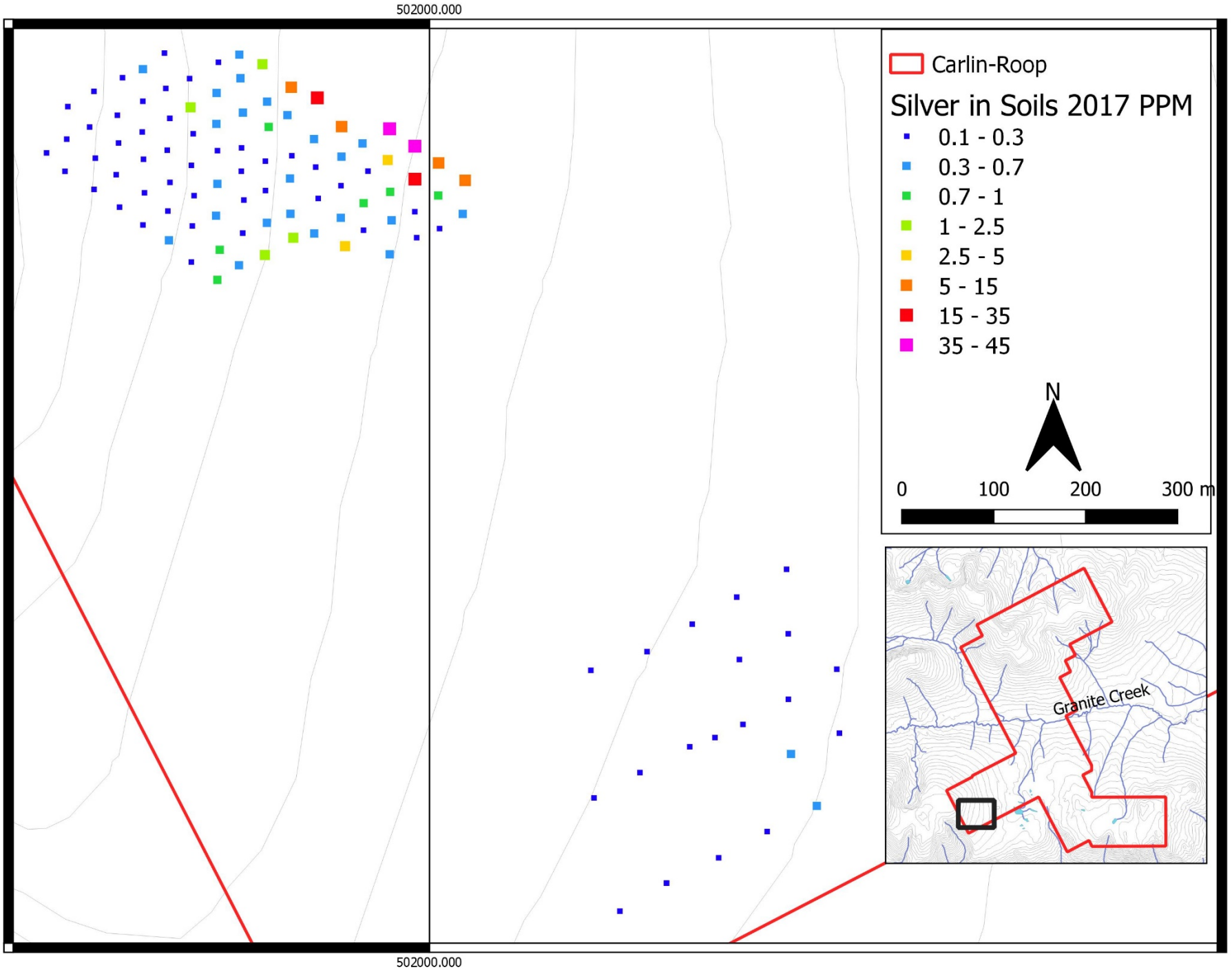
QUALITY CONTROL REPORT WHI17000475.1

	Method	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251	AQ251
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
1890332	Soil	13.0	26.6	0.36	97.1	0.025	<1	1.64	0.005	0.04	0.2	2.0	0.09	0.02	46	0.4	0.04	4.6
REP 1890332	QC	13.6	28.4	0.37	101.3	0.027	<1	1.69	0.005	0.04	0.2	2.0	0.10	0.02	38	0.5	0.02	4.8
1890368	Soil	15.2	25.5	0.23	118.1	0.052	1	1.27	0.005	0.06	0.2	2.4	0.14	0.10	41	8.4	0.03	6.3
REP 1890368	QC	15.0	26.3	0.23	118.0	0.053	1	1.30	0.006	0.06	0.2	2.5	0.16	0.10	41	8.5	0.04	6.2
1890429	Soil	19.9	26.6	0.43	119.0	0.040	1	1.46	0.006	0.06	0.3	3.4	0.10	<0.02	38	0.3	0.04	4.2
REP 1890429	QC	20.0	27.5	0.43	120.2	0.040	<1	1.47	0.006	0.05	0.3	3.3	0.10	<0.02	40	0.4	0.05	4.2
Reference Materials																		
STD DS11	Standard	19.3	64.3	0.87	380.3	0.096	7	1.19	0.077	0.41	3.2	3.3	5.04	0.28	280	2.2	4.70	5.1
STD DS11	Standard	19.5	60.2	0.85	379.9	0.097	6	1.20	0.075	0.41	3.1	3.5	4.97	0.28	251	2.2	4.62	4.9
STD DS11	Standard	19.6	60.2	0.84	377.8	0.096	7	1.18	0.076	0.41	3.0	3.2	4.87	0.28	281	2.1	4.73	4.9
STD DS11	Standard	17.9	59.9	0.84	374.7	0.086	7	1.09	0.069	0.39	2.8	3.1	4.77	0.27	261	2.1	4.45	4.6
STD OXC129	Standard	12.2	53.3	1.51	47.8	0.394	1	1.54	0.597	0.38	<0.1	1.2	0.04	<0.02	<5	0.1	<0.02	5.3
STD OXC129	Standard	12.0	47.4	1.46	45.4	0.357	2	1.44	0.575	0.35	<0.1	1.1	0.03	<0.02	<5	<0.1	<0.02	5.2
STD OXC129	Standard	12.6	53.4	1.58	48.9	0.402	<1	1.62	0.620	0.36	<0.1	1.2	0.03	<0.02	<5	<0.1	<0.02	5.6
STD OXC129	Standard	12.2	49.9	1.50	46.3	0.380	1	1.49	0.572	0.35	<0.1	1.1	0.03	<0.02	<5	<0.1	<0.02	5.2
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37	0.08	1.1	0.03					5.6
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	3.4	4.9	0.2835	300	1.9	4.56	5.1
BLK	Blank	<0.5	0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1

Appendix D

Geochemical and Geophysical Plots


502000.000
Carlin-Roop
Sample Site from 2017
N
0
100
200
300 m
Granite Creek
502000.000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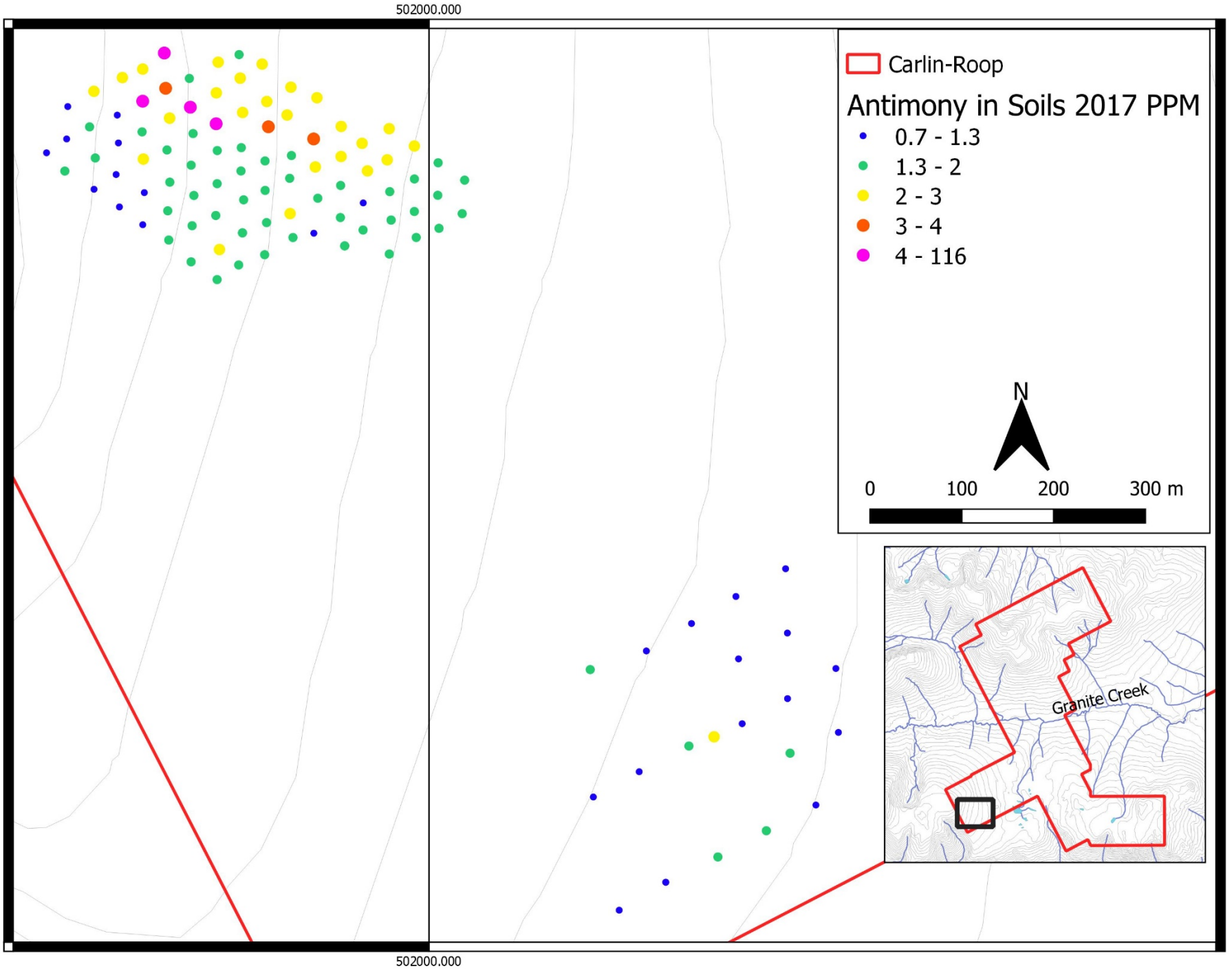
Carlin-Roop
Silver in Soils 2017 PPM
0.1 - 0.3
0.3 - 0.7
0.7 - 1
1 - 2.5
2.5 - 5
5 - 15
15 - 35
35 - 45
N
0
100
200
300 m
Granite Creek
502000.000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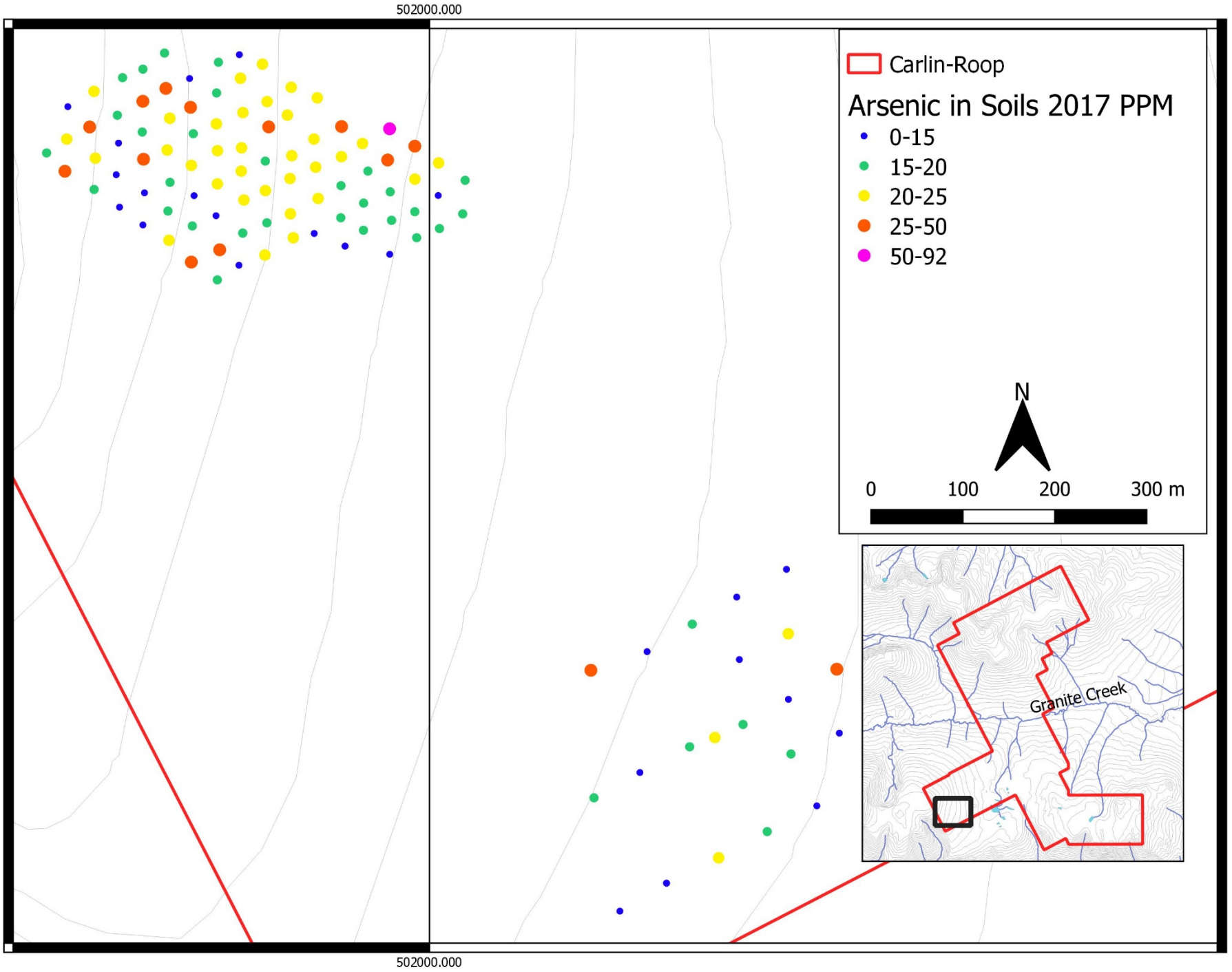
Carlin-Roop
Antimony in Soils 2017 PPM
0.7 - 1.3
1.3 - 2
2 - 3
3 - 4
4 - 116
N
0
100
200
300 m
Granite Creek
502000.000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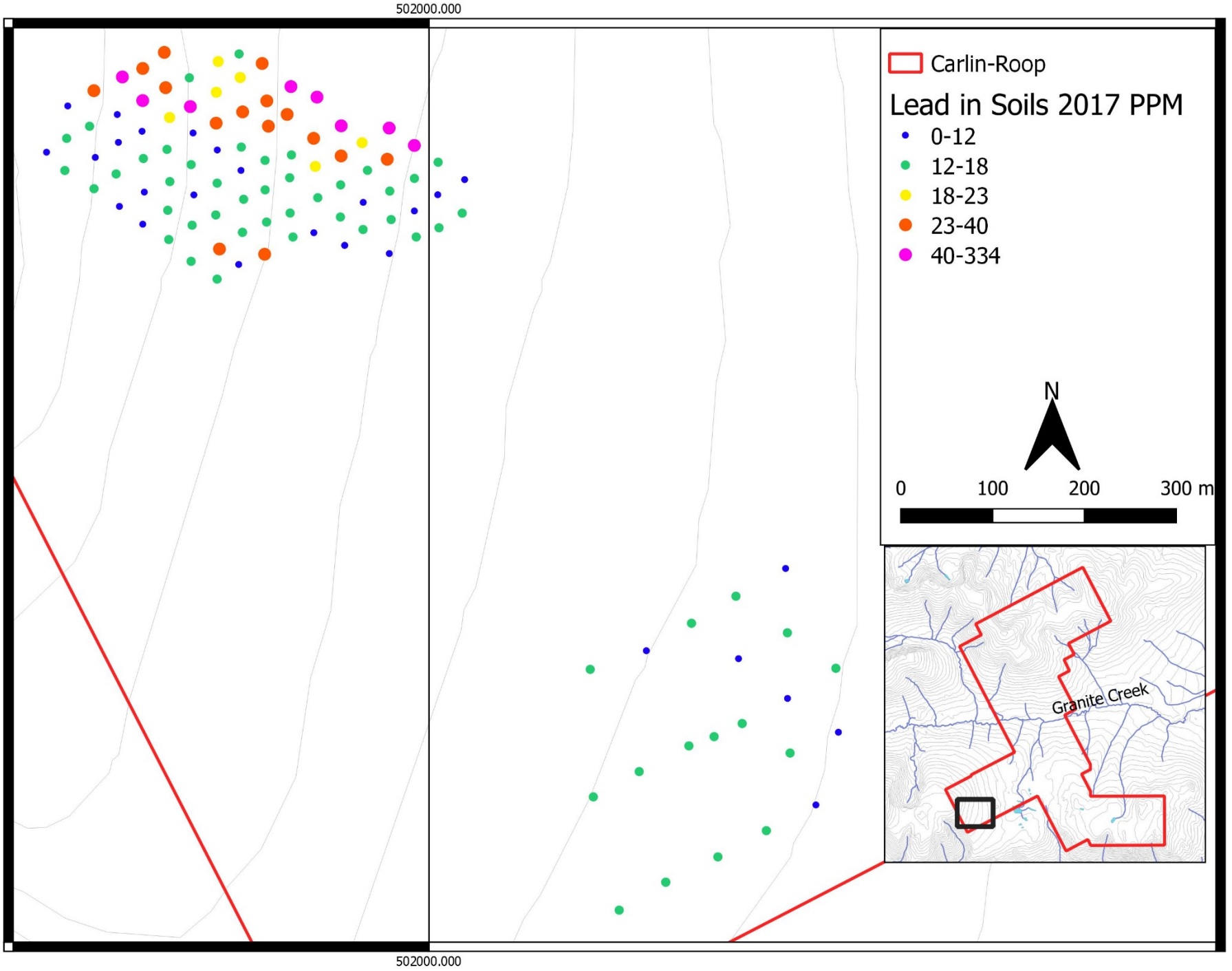
Carlin-Roop
Arsenic in Soils 2017 PPM
0-15
15-20
20-25
25-50
50-92
N
0
100
200
300 m
Granite Creek
502000.000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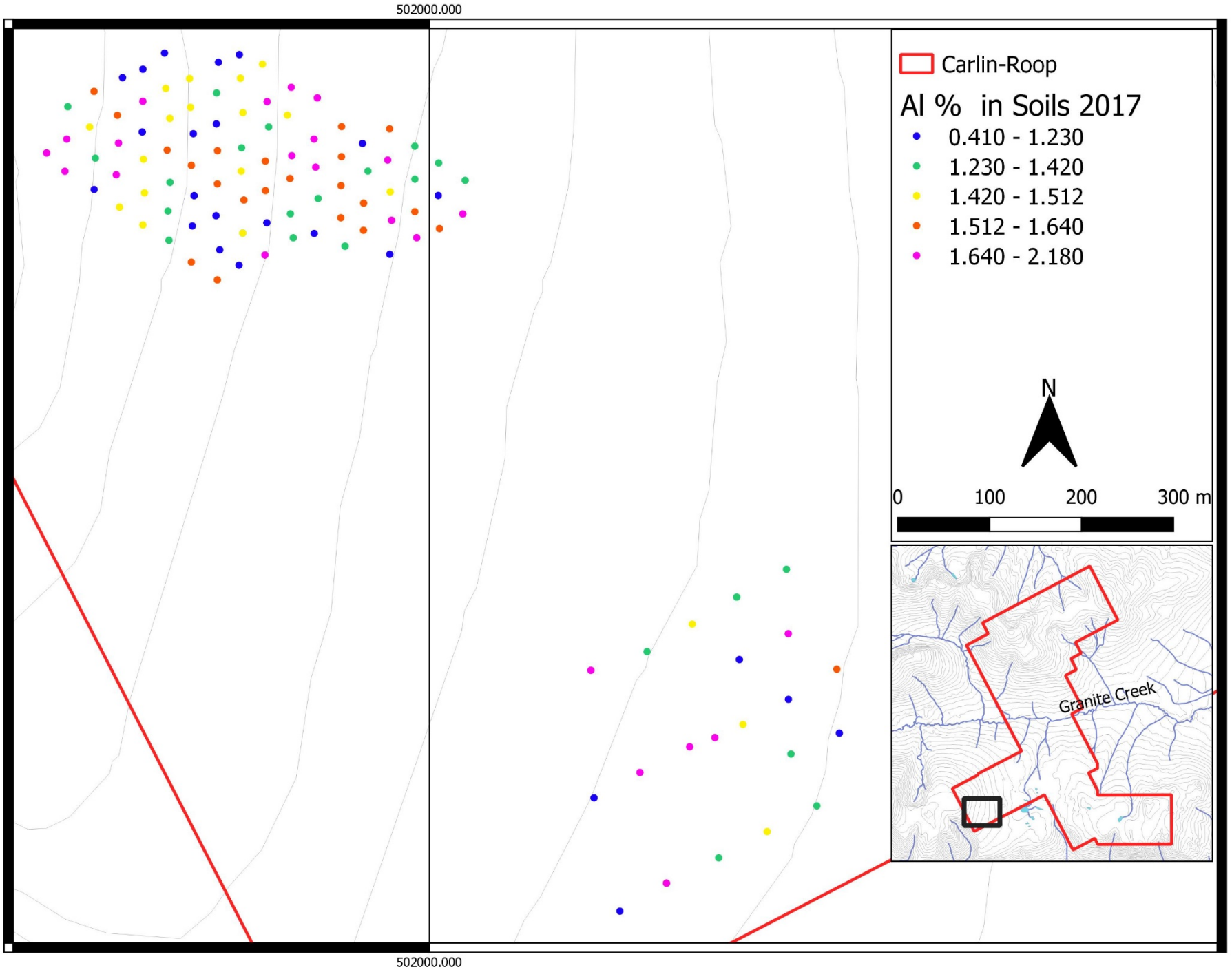
Carlin-Roop
Lead in Soils 2017 PPM
0-12
12-18
18-23
23-40
40-334
N
0
100
200
300 m
Granite Creek
502000.000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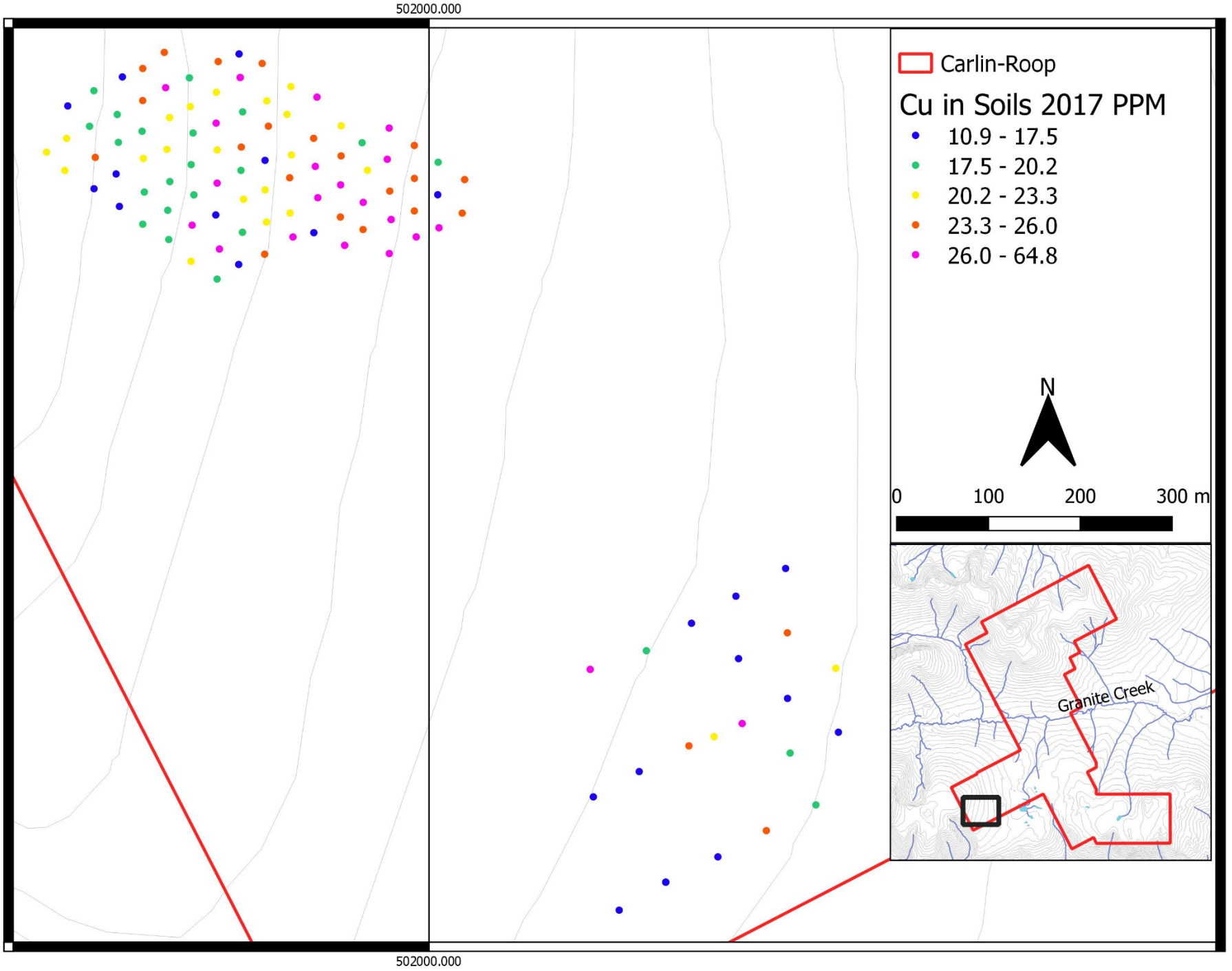
Carlin-Roop
Al % in Soils 2017
0.410 - 1.230
1.230 - 1.420
1.420 - 1.512
1.512 - 1.640
1.640 - 2.180
N
0
100
200
300 m
Granite Creek
502000.000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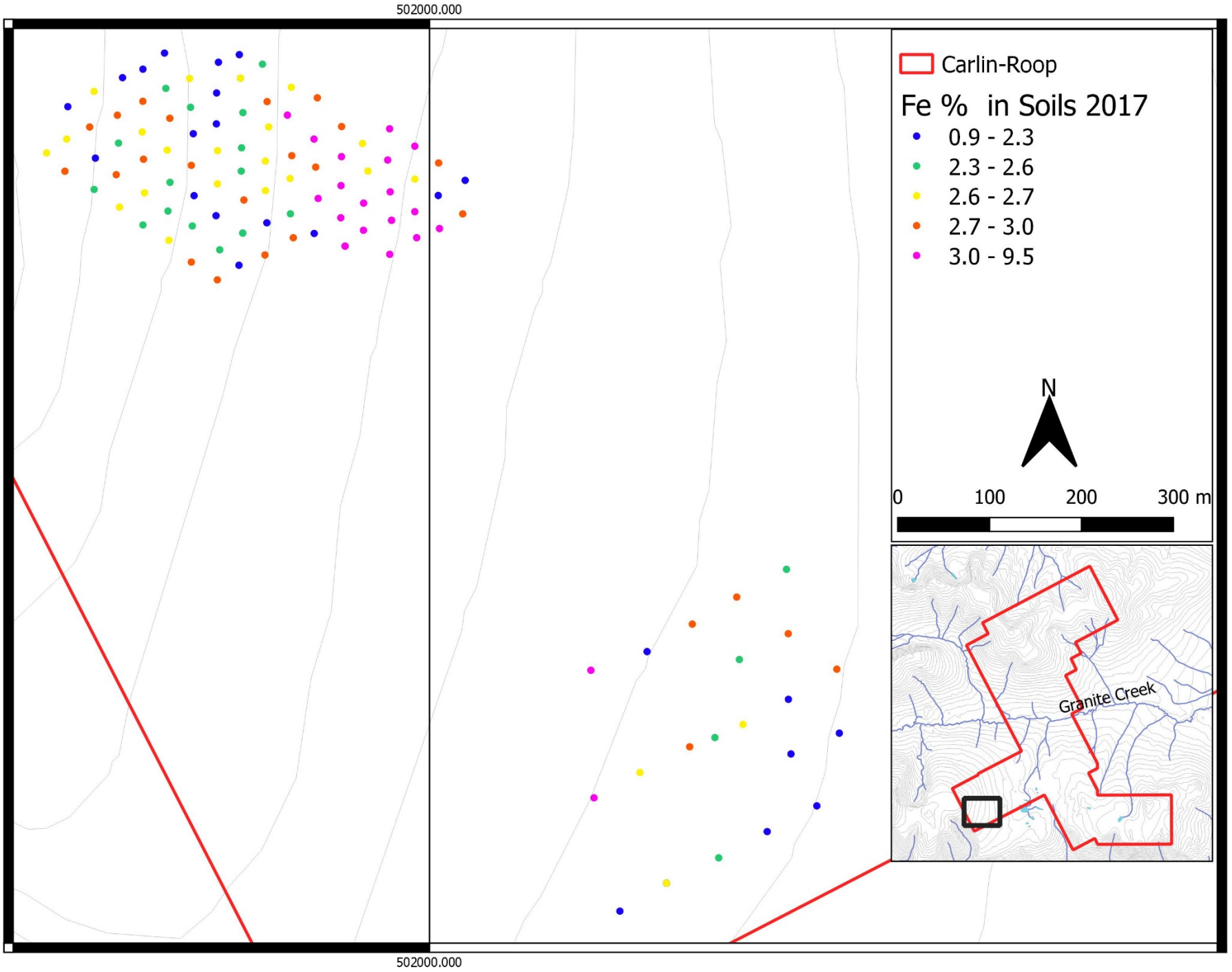
Carlin-Roop
Cu in Soils 2017 PPM
10.9 - 17.5
17.5 - 20.2
20.2 - 23.3
23.3 - 26.0
26.0 - 64.8
N
0
100
200
300 m
Granite Creek
502000.000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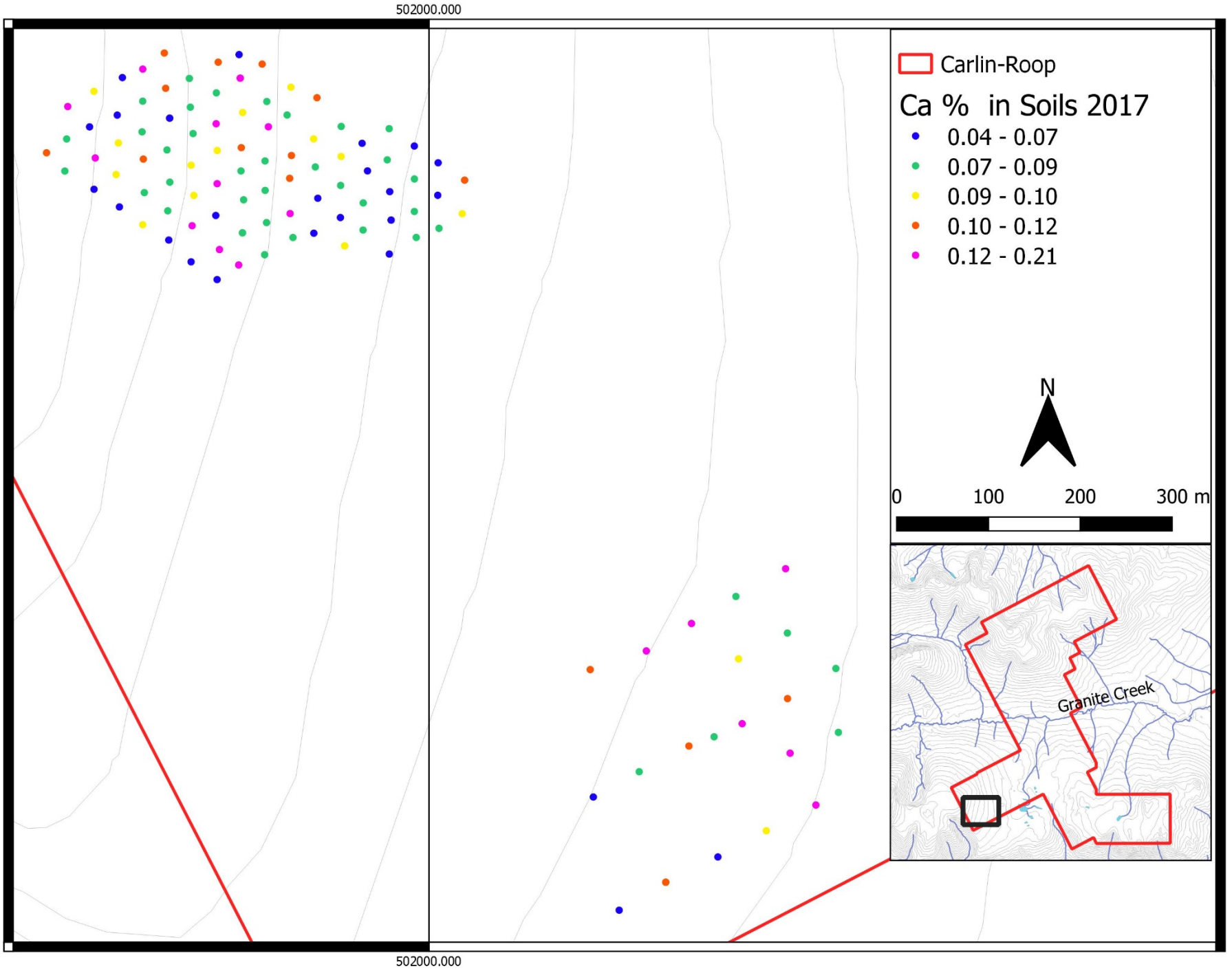
Carlin-Roop
Fe % in Soils 2017
0.9 - 2.3
2.3 - 2.6
2.6 - 2.7
2.7 - 3.0
3.0 - 9.5
N
0
100
200
300 m
Granite Creek
502000.000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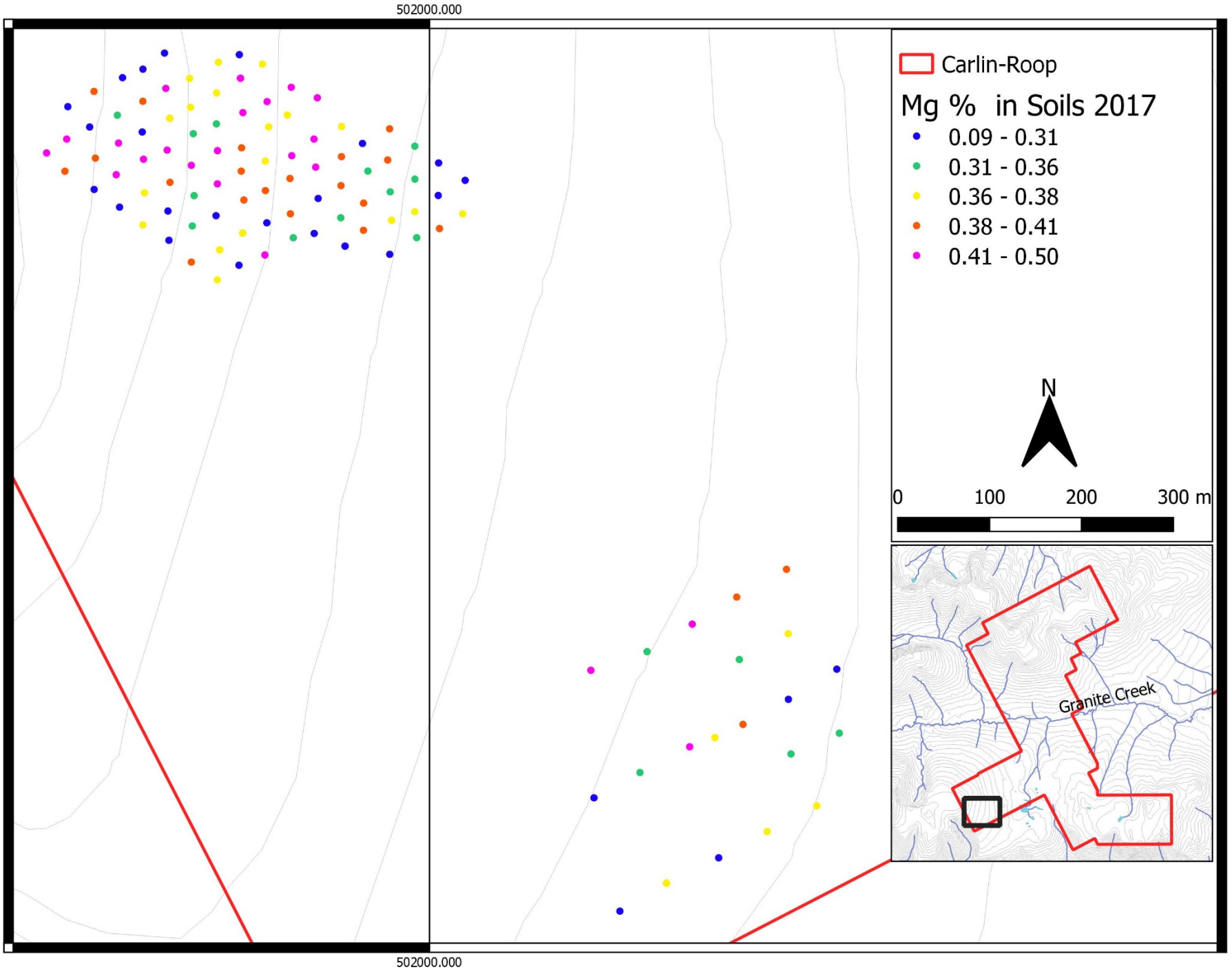
Carlin-Roop
Ca % in Soils 2017
0.04 - 0.07
0.07 - 0.09
0.09 - 0.10
0.10 - 0.12
0.12 - 0.21
N
0
100
200
300 m
Granite Creek
502000.000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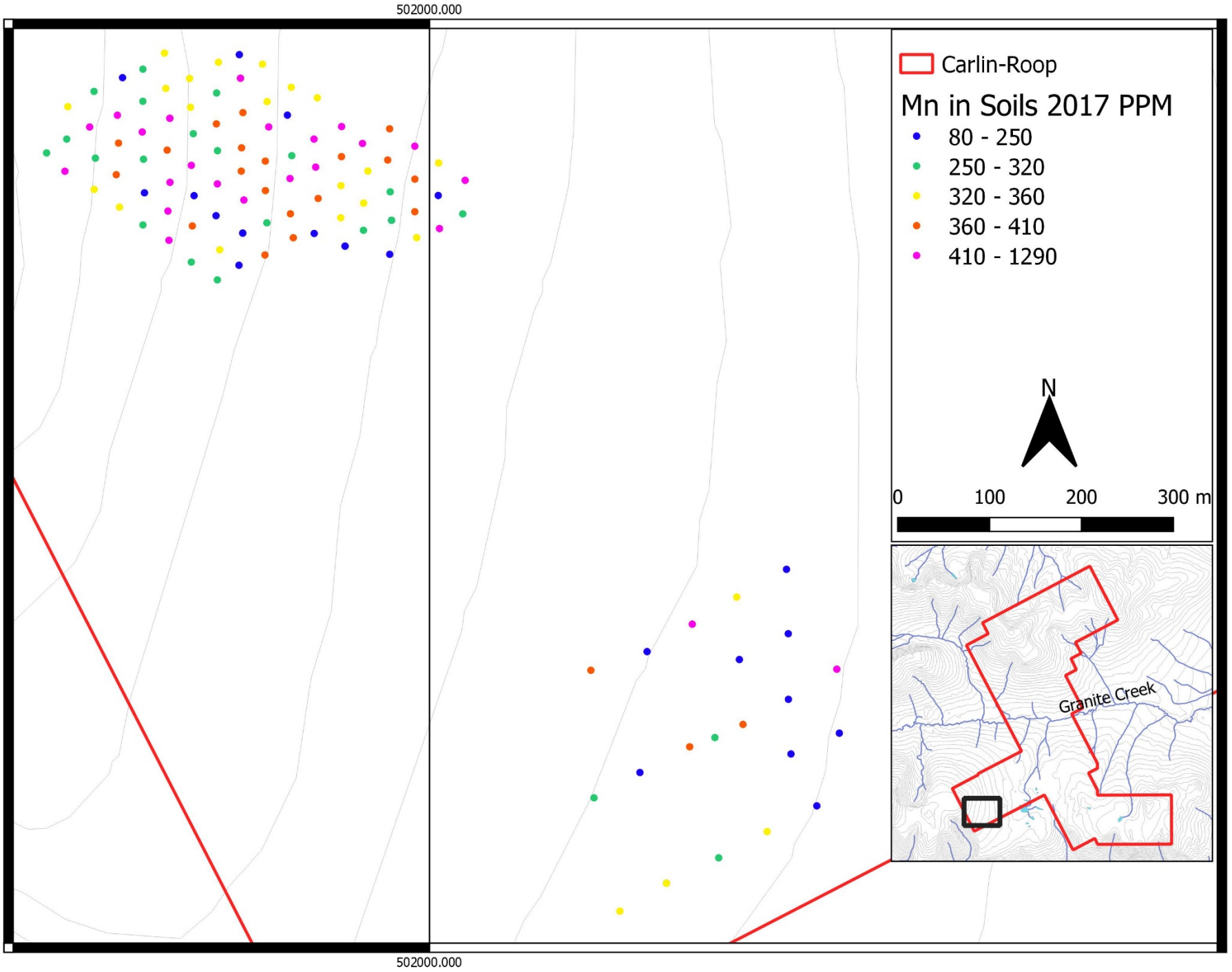
Carlin-Roop
Mg % in Soils 2017
0.09 - 0.31
0.31 - 0.36
0.36 - 0.38
0.38 - 0.41
0.41 - 0.50
N
0
100
200
300 m
Granite Creek
502000.000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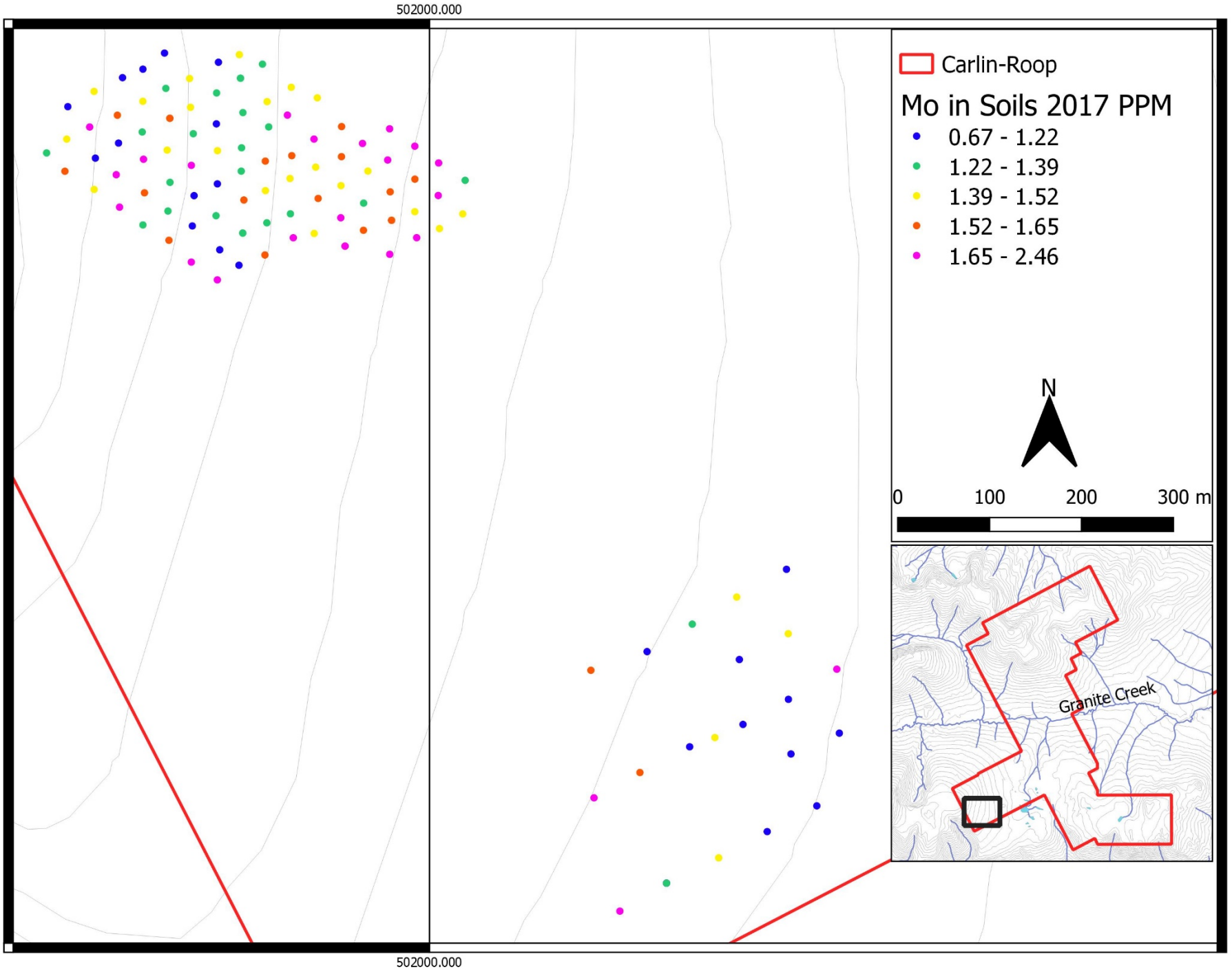
Carlin-Roop
Mn in Soils 2017 PPM
80 - 250
250 - 320
320 - 360
360 - 410
410 - 1290
N
0
100
200
300 m
Granite Creek
502000.000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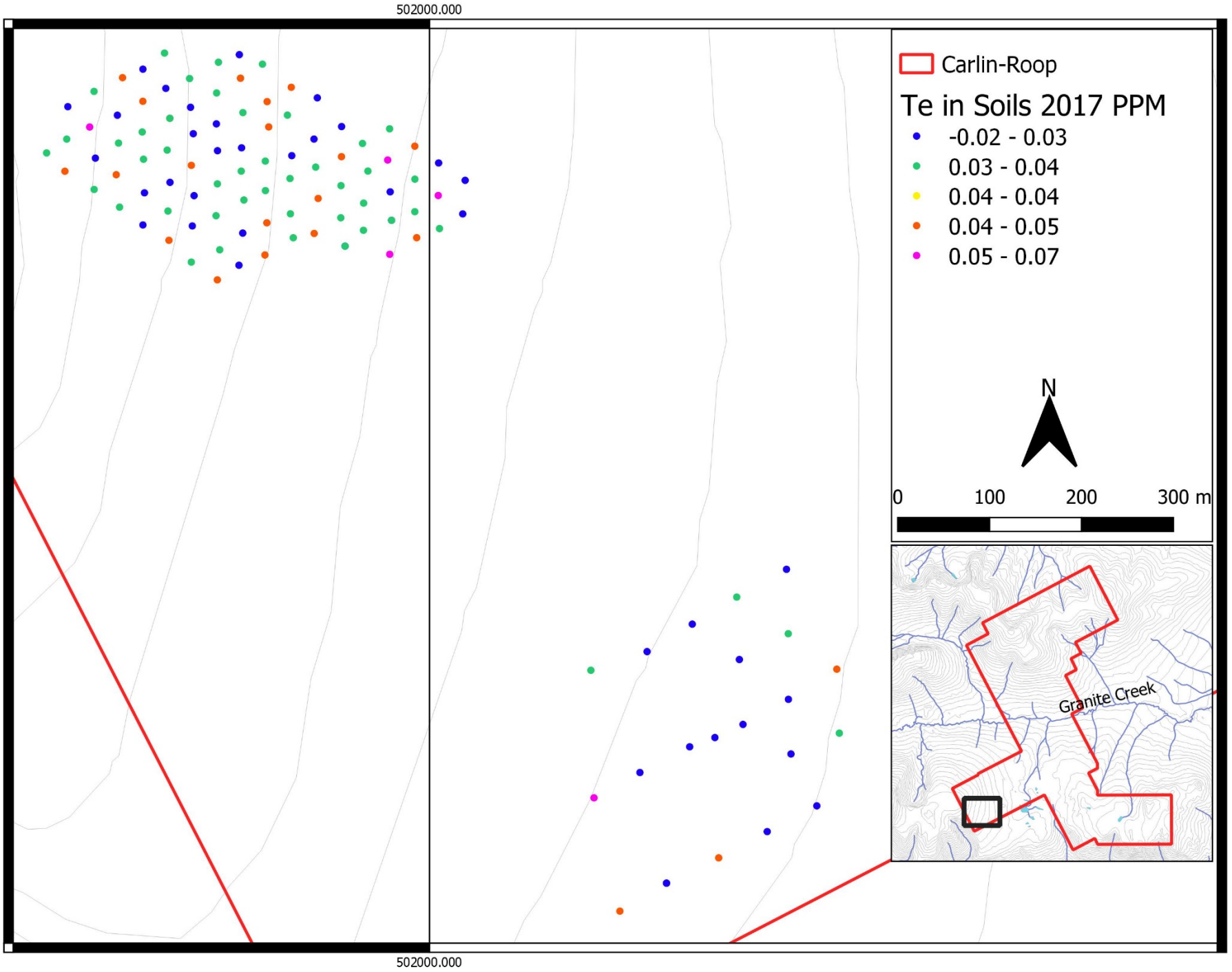
Carlin-Roop
Mo in Soils 2017 PPM
0.67 - 1.22
1.22 - 1.39
1.39 - 1.52
1.52 - 1.65
1.65 - 2.46
N
0
100
200
300 m
Granite Creek
502000.000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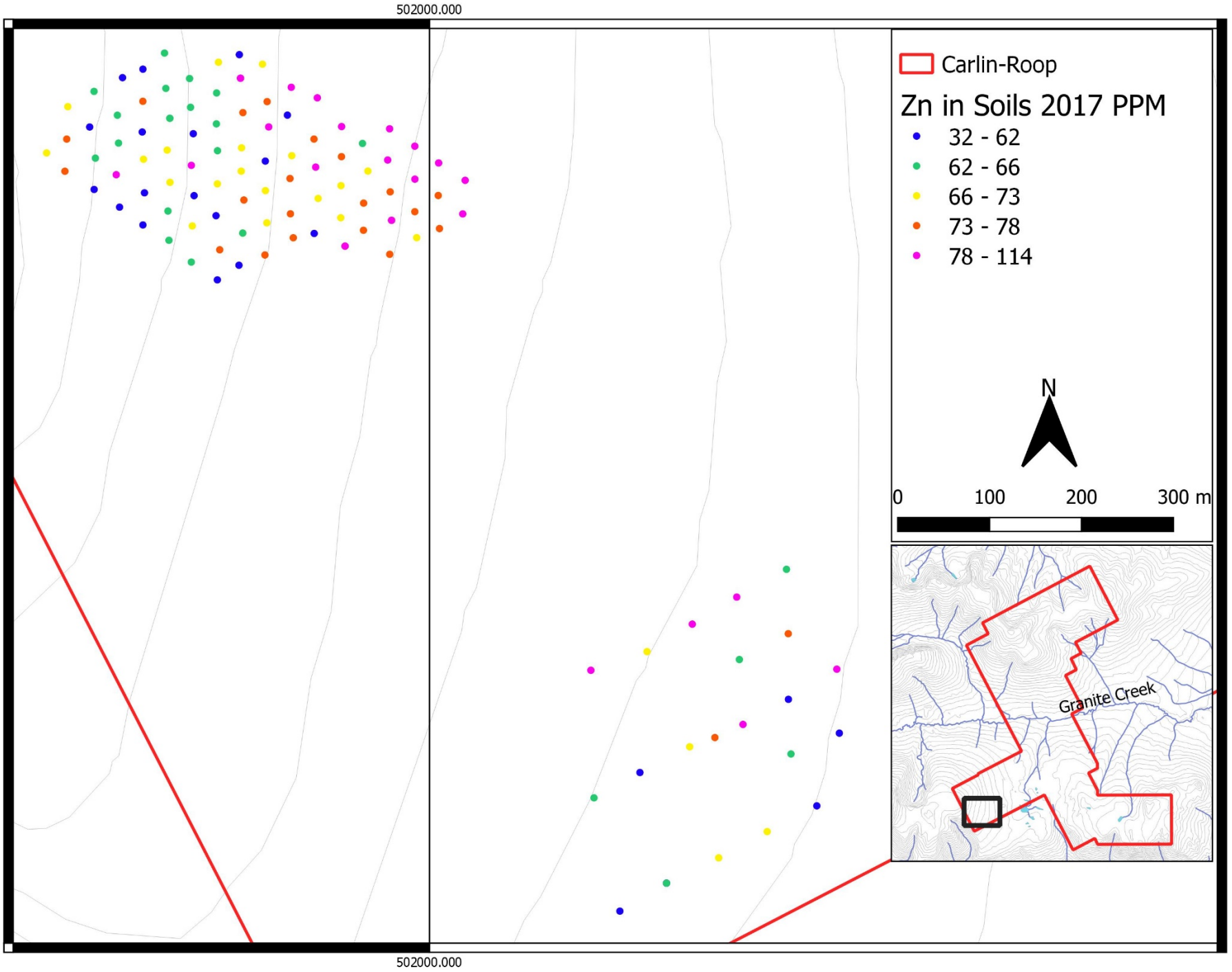
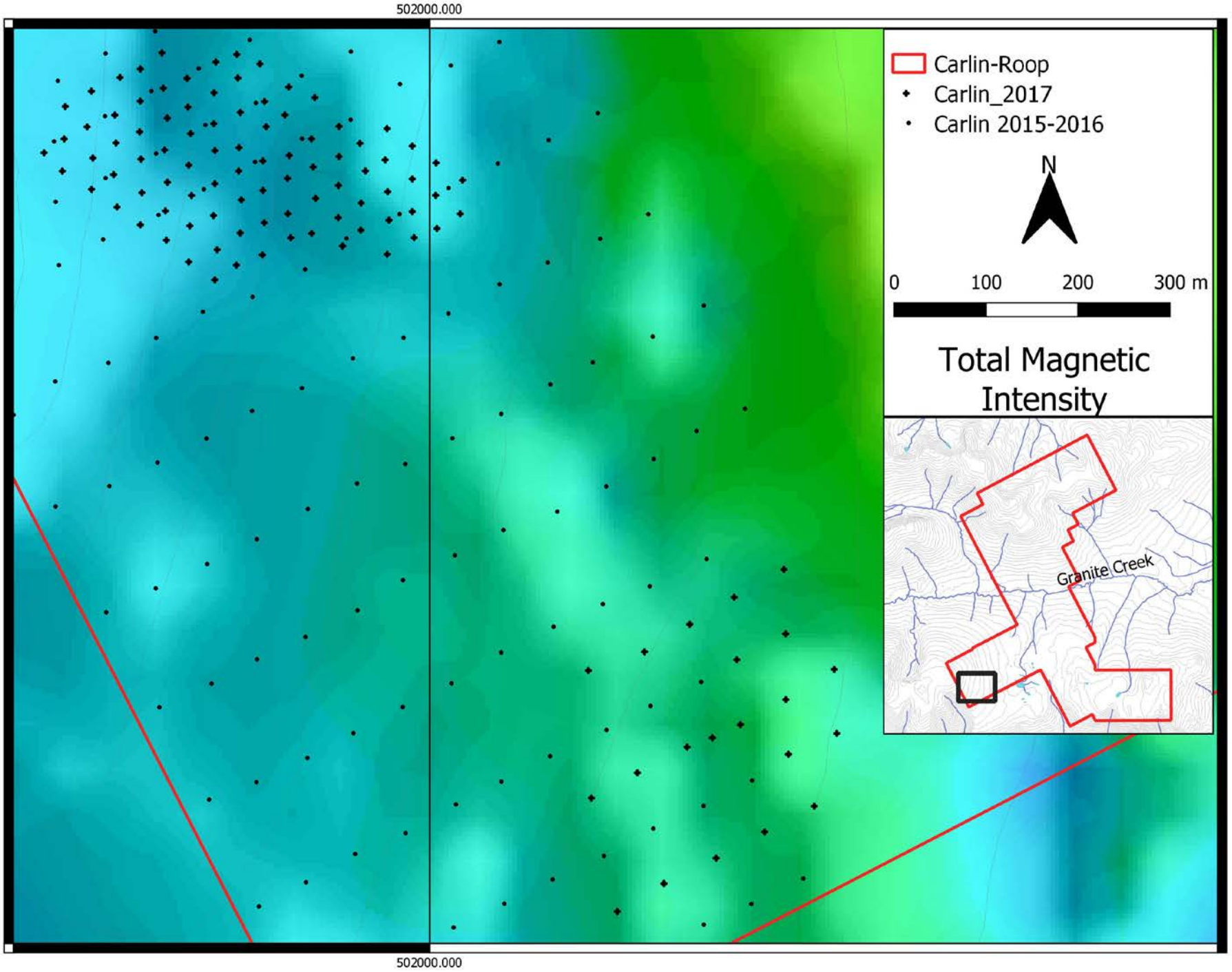
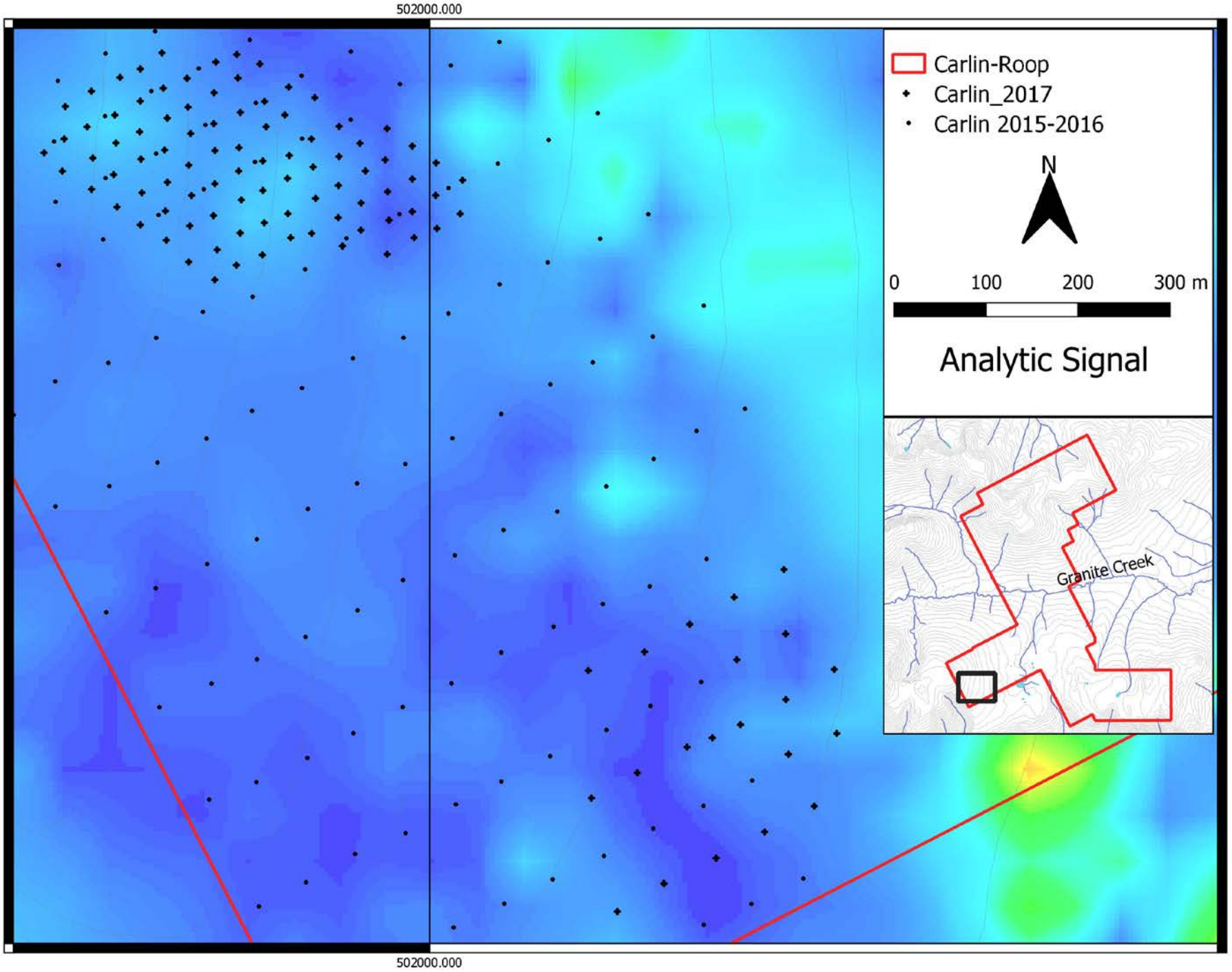
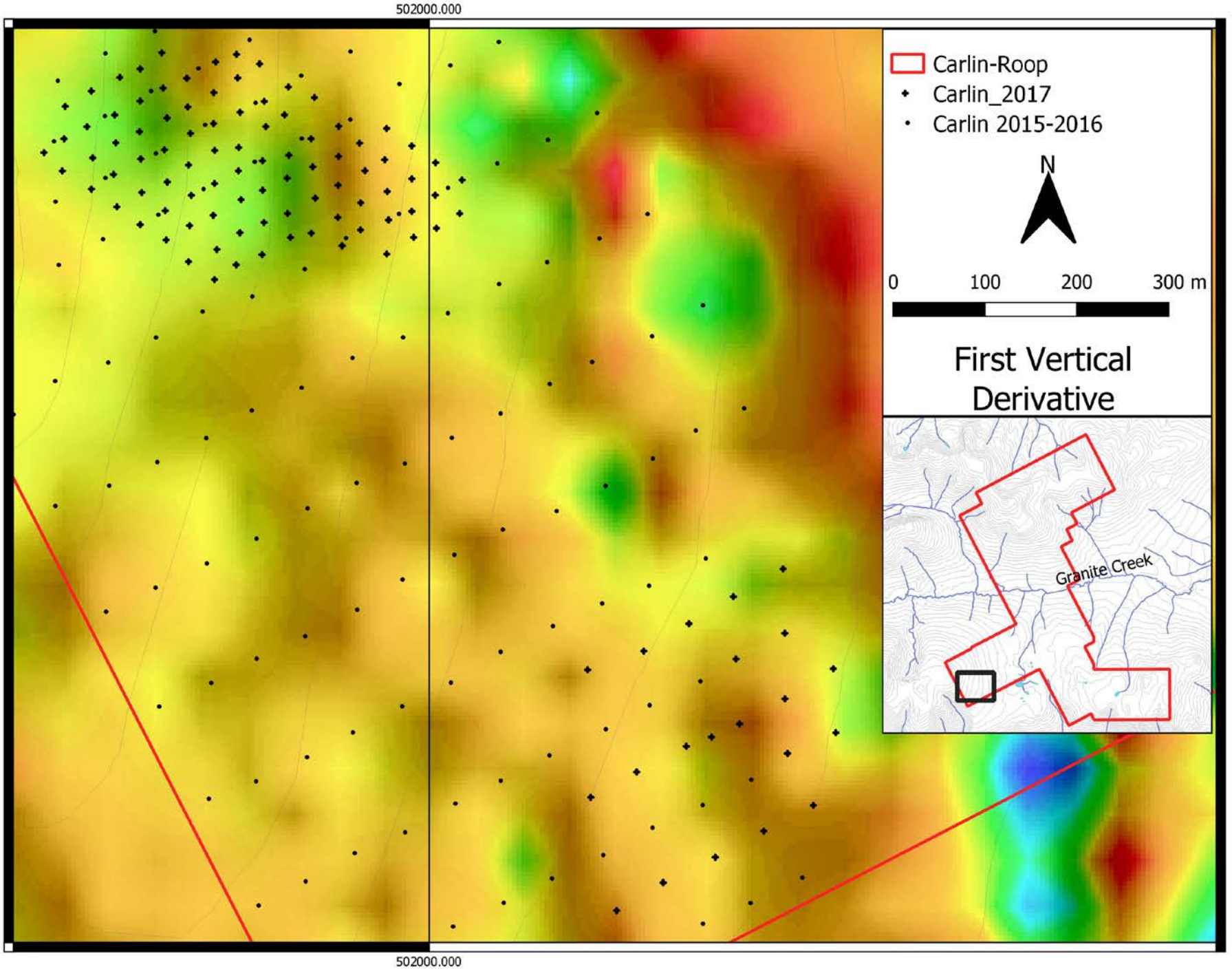
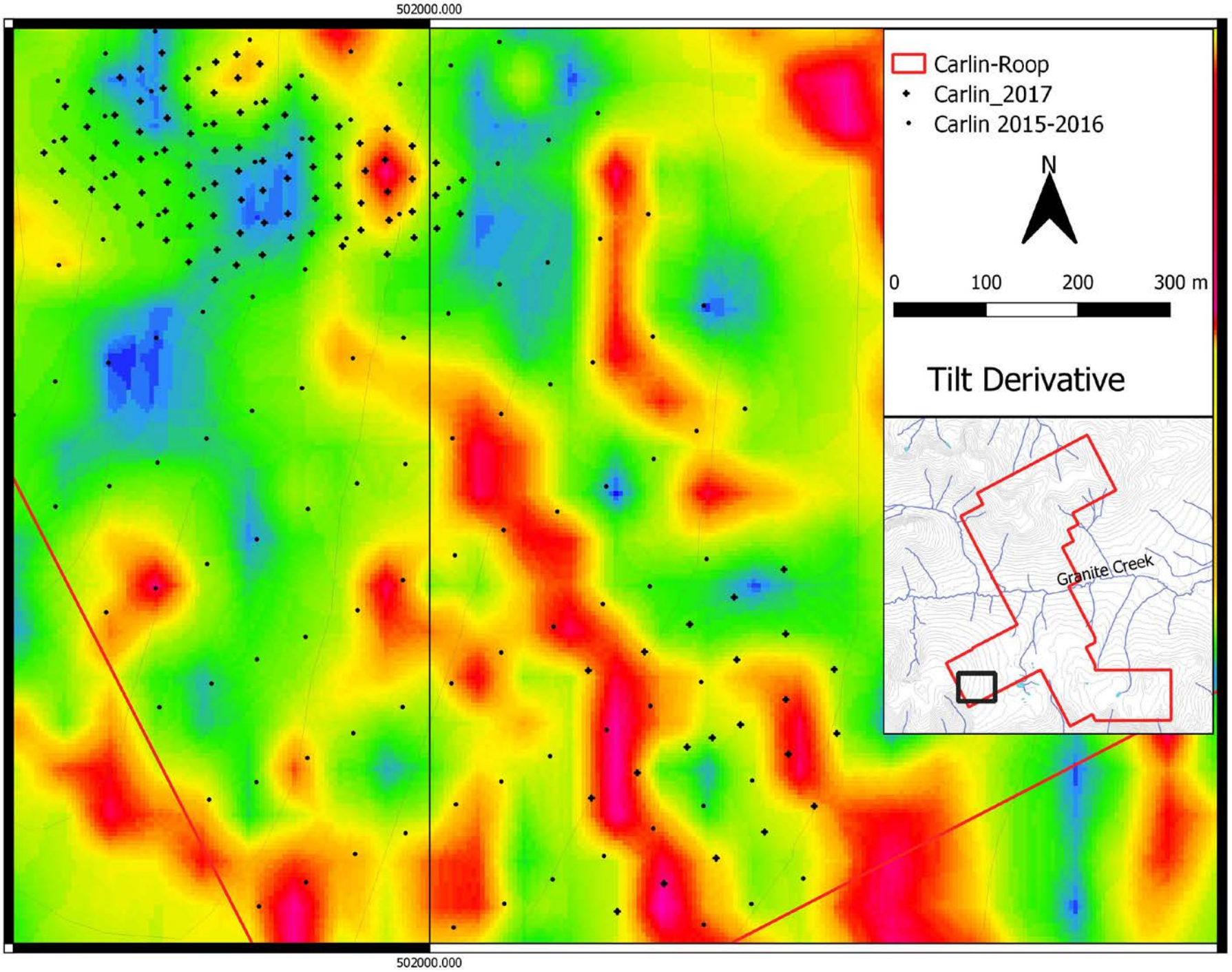
Carlin-Roop
Te in Soils 2017 PPM
-0.02 - 0.03
0.03 - 0.04
0.04 - 0.04
0.04 - 0.05
0.05 - 0.07
N
0
100
200
300 m
Granite Creek
502000.000


502000.000
Carlin-Roop
Zn in Soils 2017 PPM
32 - 62
62 - 66
66 - 73
73 - 78
78 - 114
N
0
100
200
300 m
Granite Creek
502000.000


502000.000
Carlin-Roop
Carlin_2017
Carlin 2015-2016
N
0
100
200
300 m
Total Magnetic Intensity
Granite Creek
502000.000


502000.000
Carlin-Roop
Carlin_2017
Carlin 2015-2016
N
0
100
200
300 m
Analytic Signal
Granite Creek
502000.000


502000.000
Carlin-Roop
Carlin_2017
Carlin 2015-2016
N
0
100
200
300 m
First Vertical Derivative
Granite Creek
502000.000


502000.000
Carlin-Roop
Carlin_2017
Carlin 2015-2016
N
0
100
200
300 m
Tilt Derivative
Granite Creek
502000.000

Appendix E

Statement of Expenditures

	units	Cost/ Unit	Total
Personnel	Days		
Senior Geologist	3	$500.00	$1,500.00
Assistant	3	$170.00	$510.00
Cook/medic	3	$500.00	$1,500.00
Equipment:	Days		
Computers x 2, GPS x 4, emergency gear, soil augers x 3	3	$205.00	$615.00
Radios x4, satellite phone x 2	3	$8.57	$25.71
Vehicles	Days/month		
Truck one ton	3	$205.00	$615.00
Lodging	Days/month		
Hotels	3	$230.00	$690.00
Field Expenses			
Food	3	$202.22	$606.66
Gasoline	3	$19.62	$58.86
Field supplies: consumables, bug spray, bear deterrents etc,	3	$25.12	$75.35
Helicopter	Hours		
Fireweed LR	1.2	$1,552.5	$1,863.00
Assays	Samples		
Soil Samples BVAQ251	115	$21.70	$2,495.50
Report Preparation	1	$2,000.00	$2,000.00
Total			$12,415.55