ASSESSMENT REPORT

Emerald Lake Property – YUKON TERRITORY, CANADA

63°33'34" N, 131°10'15" W, Mayo Mining District

Prepared for:

BARTOW RESOURCES INC.

Prepared by:

AURORA GEOSCIENCES

ASSESSMENT REPORT
Emerald Lake Property – YUKON TERRITORY, CANADA

Whitehorse Mining District, Yukon Territory, Canada
NTS: 115O15

YD80803-YD80842, Jones 1-40; YD80843-YD80850, Jones 1-40; YD80851-YD80902, Jones 49-100; YD80903, Jones 101; YD80904, Jones 102; YD80905, Jones 103; YD80906-YD81002, Jones 104-200; YD81403-YD81441, Jones 201-239; YE22269-YD22284, Jones 240-255

63°33'34" N, 131°10'15" W
UTM (NAD 83): 392230, 7048850, Zone 9

Effective Date, Oct 31, 2018

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1 EXECUTIVE SUMMARY

In 2018, Bartow Resources Inc. (Bartow) conducted a short exploration program on its 100%-owned Emerald Lake property, comprising the Jones 1-239 claims. This comprised geological mapping, rock, soil and silt geochemical sampling, and the staking of the JONES 240 – 255 claims. Inclusive of the new claims, the property covers 5,116 hectares (12,636 acres). The property is located in the Rogue Range area of the Mackenzie Mountains, roughly 66 km NNW of the Macmillan Pass airstrip, 186 km ENE of the Village of Ross River, and 231 km ESE of the Village of Mayo, Yukon. The property is accessible by helicopter from the Macmillan Pass airstrip at approximately Km 225 of the North Canol Road, which is 215 road-kilometres from Ross River.

Mineralization was first identified in 1952 during reconnaissance mapping by the Geological Survey of Canada. From 1979 to 1982, Agip Canada Ltd. conducted geological mapping, rock and soil sampling, which led to the discovery of swarms of quartz-bismuthinite veining that returned values up to 157.7 g/t gold. Exploration resumed in 1995, when APC Ventures Ltd. conducted further geochemical sampling, outlining the Tom Zone, from which rock chip sampling returned values to 20.80 g/t gold across 20.0 m, and the Glacier Zone, from which chip sampling returned 1.51 g/t gold across 90 m. The claims were allowed to lapse and, in 2002, several small blocks were staked by RST Klondike Discoveries Ltd. These claims remain in good standing as of December 2018. The JONES 1-239 claims were staked by Bartow in 2017.

The Emerald Lake property is centered on the Emerald Lake pluton, an intrusion belonging to the Tintina Gold Belt, emplaced within Neoproterozoic to Triassic Selwyn Basin shelf and off-shelf sediments deposited along the margin of the Ancient North American Continent. The 110 – 70 Ma Tintina Gold Belt extends from southwest Alaska through the Fairbanks and Dawson City areas southeast to the Yukon-Northwest Territories border. The Emerald Lake pluton is a member of the 93 Ma Tombstone – Tungsten Intrusive Suite, a sub-suite of the Tintina Gold belt. It comprises K-spar porphyritic to megacrystic monzonite, intruded into Ordovician – Devonian Road River Group fine clastic sediments and Devono-Mississippian Earn group fine clastic and calcareous clastic sediments and lesser conglomerate.

The Emerald Lake pluton occurs as an elongate WNW-extending body extending roughly along East and West Emerald creeks. Mapping in 2018 indicated the Tom Zone and Meadow Zone are chalcopyrite-bearing pyrrhotite skarns within calcareous fine-grained Road River Group sediments. Exploration also identified pyrrhotite skarn material at the south side of the Valley of the Crystals (local name) northwest of Emerald Lake. Rock sampling at the Tom and Meadow zones failed to repeat previous high-grade gold values. This may be due to the nature of material sampled, limited to large competent mineralized talus boulders. High grade mineralization may be confined to narrow oxidized fracture zones which would not be available for sampling in talus fields.

Soil and silt sampling identified several gold and/or base metal anomalies, both within the pluton and slightly outbound of it. One area of interest outside of the pluton is represented by the high base metal values and coincident elevated gold values along the south flank of the Valley of the Crystals. This may represent a base – precious metal bearing skarn zone along the north flank of the ridge to the south. Another area of interest is revealed by silt sampling results from a “right tributary” of East Emerald Creek, where elevated gold, base metal, and pathfinder element values indicate potential for skarn and replacement-style mineralization within its upper watershed.

The most prospective areas revealed from soil and silt sampling occur within the Emerald Lake pluton, particularly in core areas along the lower extents of Camp Creek and the "Left Tributary" to the WNW. High gold and base metal values from soil and silt sampling indicate the potential for a continuously mineralized WNW-trending horizon extending across the lower courses of both creeks, directly south of East Emerald Creek and roughly paralleling the trend of the pluton. If present, mineralization within the stock may occur as a rafted block oriented along the pluton's axis. Mineralization may be skarn or replacement-style, although the geochemical signatures are distinct from those of the outlying pyrrhotite skarns.

Coincident anomalous copper-nickel-cobalt values from soil and silt sampling within the pluton indicate potential that rafted blocks may include mafic to ultramafic horizons hosting magmatic sulphides. This would indicate that ultramafic horizons occur in Paleozoic stratigraphy outside of the pluton as well. Elevated platinum and palladium soil geochemical values returned from the north flank of the Valley of the Crystals support this hypothesis.

The 2018 program covered only the eastern areas and the Valley of the Crystals. Recommendations for further exploration comprise two major facets: surface exploration comprising helicopter-supported geological mapping and rock, soil and silt geochemical sampling traverses within the western area; and more detailed exploration of the interpreted mineralized horizons along the lower portions of Camp Creek and the Left Tributary. Follow-up work along the south side of the Valley of the Crystals and the northern "right tributary" are also recommended.

The 2019 program is recommended to be done by a helicopter-supported four-person crew based from the same camp site as the 2018 program. Traversing should be similar in methodology to 2018 traversing, comprising two-person teams to mitigate potential of bear encounters. Exploration in the Camp/ Left Tributary Creek areas should comprise grid soil sampling, where possible, and detailed geological mapping and rock sampling.

The project is recommended to take place over a 13-day duration, including mobilization and de-mobe, commencing in mid to late July. Proposed project expenses, including report writing and a 5% contingency, stand at $130,700.

2 INTRODUCTION

This assessment report has been prepared by Mr. Carl Schulze (BSc., P.Geo.) of Aurora Geosciences Ltd. (Aurora). The subject of this report is the Emerald Lake property, located in east-central Yukon Territory, Canada. The 2018 program comprised geological mapping, rock, soil and silt geochemical sampling and prospecting, as well as the staking of the Jones 240-255 claims. The report has been written to satisfy requirements of the Mayo Mining Recorder, Department of Energy, Mines and Resources, Government of Yukon.

2.1 TERMS OF REFERENCE

The author has been requested to write this report using the following terms of reference:

a) Review and compile all available data obtained by Bartow Resources Inc. and its predecessors,
b) Provide an Assessment Report to the standards of the Yukon Quartz Mining Act,
c) Verify and support technical disclosures by Bartow Resources Inc.

2.2 TERMS, DEFINITIONS AND UNITS

All costs contained in this report are in Canadian dollars (CDN$). Distances are reported in centimetres (cm), metres (m) and km (kilometres). The term “GPS” refers to “Global Positioning System” with co-ordinates reported in UTM NAD 83 projection, Zone 9. “Minfile Occurrence” refers to documented mineral occurrences on file with the Yukon Minfile, Department of Energy, Mines and Resources, Government of Yukon.

A “Grab Sample” consists of a single piece of rock to be analyzed. A “Composite Grab Sample” is similar to a grab sample but comprises multiple pieces of similar rock material. A “chip sample” consists of a contiguously sampled section, or “chip”, of rock sampled over a specific distance, to obtain a more accurate representation of grade over width. A “float” sample is a rock sample that has been transported from its original bedrock source. “Mag” and “EM” refer to “Magnetic” and “Electromagnetic” methods referencing geophysical surveying. “IP” is an abbreviation for Induced Polarization geophysical surveying.

The term “ppm” refers to parts per million, which is equivalent to grams per metric tonne (g/t); the term “ppb” refers to parts per billion. Some historic grades are reported in “oz./ton” which is ounces per short ton. “Ma” refers to million years. The symbol “%” refers to weight percent unless otherwise stated. “QA/QC” refers to “Quality Assurance/ Quality Control”.

ICP-AES stands for “Inductively coupled plasma atomic emission spectroscopy”, and AA stands for “atomic absorption”. AQ300 refers to 33-element Aqua Regia ICP-ES. “FA350” refers to gold (Au) analysis of a 50-gram sample by fire assay with gravimetric finish. FA300 refers to 30-gram fire assay analysis, utilized for soil and silt analysis.

Elemental abbreviations used in this report are:

Au: Gold
Ag: Silver
Al: Aluminum
As: Arsenic
B: Boron
Ba: Barium
Pb: Lead
Bi: Bismuth
Ca: Calcium
Cd: Cadmium
Co: Cobalt
Cr: Chrome
Cu: Copper
Fe: Iron
Ga: Gallium
K: Potassium
La: Lanthanum
Mg: Magnesium
Se: Selenium
Pd: Palladium
Mn: Manganese
Mo: Molybdenum
Na: Sodium
Ni: Nickel
Hg: Mercury
P: Phosphorous
S: Sulphur
Pd: Palladium
Sb: Antimony
Sc: Scandium
Sr: Strontium
Th: Thorium
Ti: Titanium
Tl: Thallium
Pt: Platinum
V: Vanadium
W: Tungsten
Zn: Zinc
Pt: Platinum

2.3 Extent of Involvement of Qualified Person

The author was on site for 4 days from July 25 - 28, 2018, to initiate the program, conduct project management, geological mapping, and rock geochemical sampling.

3 PROPERTY DESCRIPTION AND LOCATION

3.1 Property Description

The Emerald Lake property consists of 254 contiguous Yukon quartz mining claims, comprising approximately 5,116 hectares (12,636 acres). This includes 16 new claims, adjoining the northeast property boundary. The property is located in the Rogue Range area of the Mackenzie Mountains, roughly 66 km NNW of the Macmillan Pass airstrip, 186 km ENE of Ross River, and 231 km ESE of Mayo, Yukon (Figure 1). The property is geographically centred at 63°33'34" N Latitude, 131°10'15" W Longitude (UTM NAD 83: 392230, 7048850N, Zone 9) on NTS map sheet 105O11 in the Mayo mining district of Yukon Territory, Canada. All claims were staked by Aurora which then transferred 100% interest to Bartow Resources Inc. (Bartow) which retains the 100% interest. None of the claims have undergone a legal survey.

The Jones 1-239 claims enclose four small pre-existing claim blocks held by other interests: the VUL 1-4 claims southeast of the Tom Zone; the VUL 5-8 claims, covering the headwaters of "Camp Creek", the VUL

9-12 claims, covering part of the "Fish Lake" prospect, and the WILSON 1 claim. The VUL claims are all held by RST Klondike Discoveries Ltd., and the WILSON 1 claim is held by 18526 Yukon Ltd.

The claim status for each claim that comprises the property is included in Appendix 5 (effective November 22, 2018). There are no significant environmental liabilities on the property. The property is located within the traditional territory of the Nacho Nyak Dun First Nation (NNDFN) which has a settled land claim with the Yukon government. There are no royalties, back-in clauses or other encumbrances on the Emerald Lake property.

The author is not aware of any other significant factors or risks potentially affecting access, title, or the right or ability to perform exploration on the property.

4 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, PHYSIOGRAPHY AND INFRASTRUCTURE

The Emerald Lake property covers the headwaters of Emerald Creek upstream of Emerald Lake, as well as the headwaters of several other adjacent drainages (Figures 1 and 2). The property is accessible by helicopter from the Macmillan Pass airstrip at approximately Km 225 along the North Canol Road. The North Canol Road extends northeast from the Robert Service Highway, 10 km southeast of the Village of Ross River, located along the south bank of the Pelly River. A ferry allows access from Ross River to the north shore of the Pelly River from 8:00AM to 5:00PM during the ice-free period of the year. The North Canol Road is a rough road, and will require at least eight hours to drive from Ross River to the airstrip. Alternatively, access to the central property area can be provided by float-equipped fixed wing aircraft to the north shore of Emerald Lake, as well as by helicopter from Ross River or Faro.

The climate is northern alpine to subalpine, with short, cool summers and long, very cold winters with fairly abundant snowfall. The field season extends from late June to early September, depending on elevation. July daily high temperatures average about 15^{o}C, to a maximum of 25^{o}C. January high temperatures average about -18^{o}C; daily low temperatures average about -30^{o}C, and may attain temperatures of -50^{o}C. Rainfall is fairly abundant in summer, commonly occurring as heavy showers and occasional thundershowers. Snowfall depths exceed 1.0 m, although precise measurements are not available. Glaciers form the headwaters of East Emerald Creek, and cover the south flank of West Emerald Creek and the north flank of the Tom Zone.

The terrain is extremely steep, with inaccessible ridge lines and subvertical valley slopes along Camp Creek, East Emerald Creek and parts of West Emerald Creek. Frequent rock falls render some areas unsuitable for access, even with head protection. Elevations range from a low of 1,130 m at Emerald Lake to just under 2,300 m in the Tom Zone area and the south flank of Camp Creek. Subalpine fir covers areas below 1,400 m, and alpine tundra covers elevations from 1,400 to 1,700 m.

The property size is sufficient to accommodate mining facilities, potential mill processing sites, heap leach pads, and waste disposal sites, although the steep terrain would render the implementation of these as challenging. There is sufficient water on the property to supply mining, milling and drilling operations, although the vertical lift would be substantial if drill targets or mining operations are located at higher elevations. Substantial tailings dams may be required if mining occurs at lower elevations.

There are essentially no local resources in the Emerald Lake area, although the Macmillan Pass airstrip is a local hub for exploration in the Macmillan Pass area. The nearest settlement is Ross River (2016 population: 293, Wikipedia, 2018), which has basic grocery, fuel and hardware services, and bulk fuel supply and delivery services, and an available work force. The Town of Faro (2011 population: 344, Wikipedia, 2018), accessible from the Robert Campbell Highway about 90 road-km from Ross River, has somewhat more significant grocery, hardware and lodging facilities. Both settlements have serviced airstrips. The Village of Mayo (2016 population 200, Wikipedia, 2018), located about 233 air-km to the WNW, also has basic grocery, fuel and hardware services, and good lodging facilities. Mayo is the location of the Mayo Mining Recorder's Office, and also offers fixed wing float plane services.

Ross River and Faro are located about 365 and 435 road-km respectively northeast of the City of Whitehorse. Whitehorse is a full-service community of about 29,000 people including surrounding communities, with excellent accommodations, including groceries, hardware, camp supplies, bulk fuel and expediting services. Whitehorse has a substantial skilled labour force, including professional geoscientists and tradespeople.

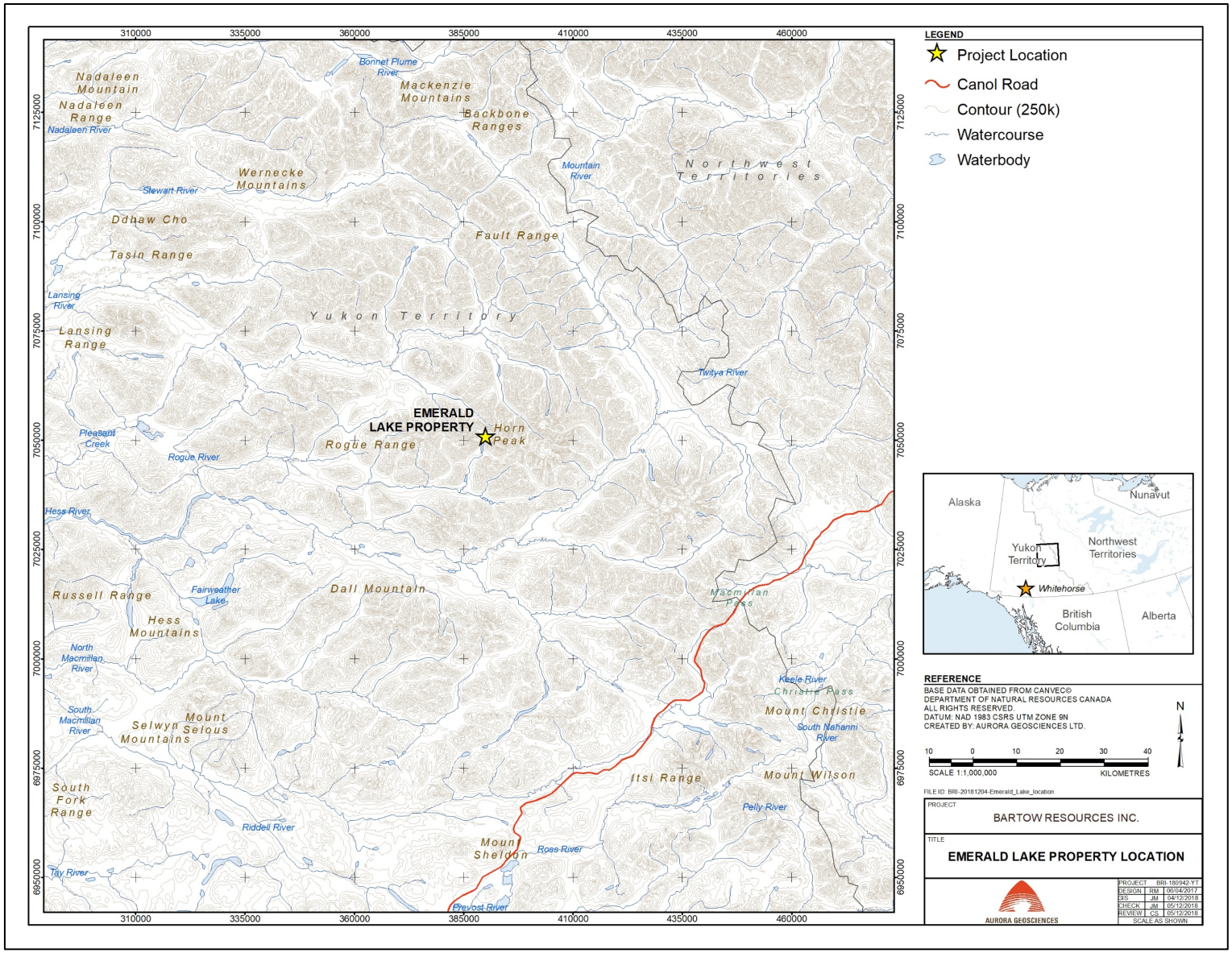

Figure 1: Location Map

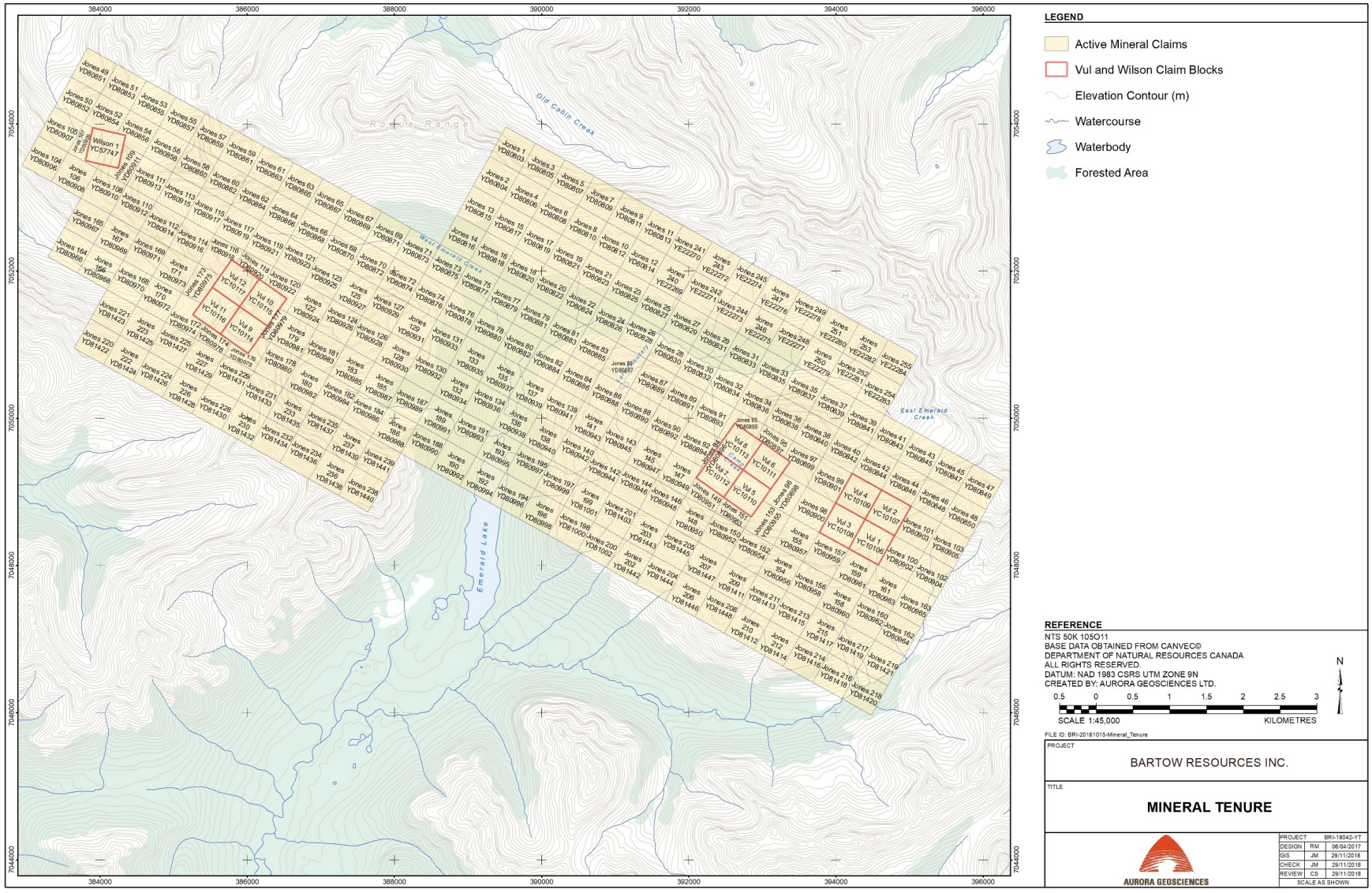

Figure 2: Claim Map

5 HISTORY

The exploration history of the Emerald lake area is summarized in Table 1 below (Yukon Minfile, 2018).

Table 1: Exploration history, Emerald Lake area

Year	Operator	Methods	Results
1952	GSC	Reconnaissance mapping	First discovery of mineralization.
1979	AGIP Canada Ltd.	Claim Staking	Staked ICE 1-20 claims
1980	AGIP Canada Ltd.	Geological mapping, geochemical sampling	Extensive geological mapping, regional rock and silt geochemical sampling. No significant gold values.
1980	AGIP Canada Ltd.	Claim Staking	Staked ICE 21-143 claims, FIRE 1, 3, 9-28 claims
1981	AGIP Canada Ltd.	Hand trenching, geological mapping, rock and soil sampling	Discovered high-grade gold in swarms of quartz veins with arsenopyrite and bismuthinite, returning values to 253 g/t Au and 157.7 g/t Ag. Soil sampling returned values to 630 ppb Au; silt sampling to 500 ppb Au.
1981	AGIP Canada Ltd.	Claim Staking	Staked SUN 1-139 claims
1982	AGIP Canada Ltd.	Soil geochemical sampling	Several anomalies defined, max. of 1,130 ppb Au near present “Tom Zone”
1983	Cominco Ltd. (optioned property)	Geological mapping, geochem sampling, airborne EM/Mag (DIGHEM) survey	No assessment report available.
1995	Brian Lueck	Claim Staking	Staked MY 1-154 claims
1995	APC Ventures Ltd.	Rock, silt and soil geochemical sampling	Identified Tom Zone, returning rock chip values to 20.80 g/t Au across 20.0m. Identified Mt. Soleil Zone, returning chip sample values to 2.2 g/t across 8.5m, and grab sample values to 7.75 g/t Au. Discovered Glacier Zone: rock chip values to 1.6 g/t Au across 85m and 1.51 g/t Au across 90m
1996	APC Ventures Ltd.	Diamond drilling	2 holes of unknown length, no assessment filed.
1997	Cyprus Canada Ltd.	Rock geochemical sampling	No significant gold values
2002	RST Klondike Discoveries Ltd.	Claim staking	Staked VUL 1-4, 5-8 AND 9-12 blocks.
2008	18526 Yukon Ltd.	Claim staking	Staked WILSON 1 claim.
2017	Bartow Resources Inc.	Claim Staking	Staked JONES 1-174, 176-238 claims
2018	Bartow Resources Inc.	Claim Staking, rock, soil, silt sampling	Staked JONES 239-255 claims

6 GEOLOGICAL SETTING

6.1 REGIONAL GEOLOGY

The Emerald Lake property is located within the Selwyn Basin, which comprises a thick sequence of shelf and off-shelf sedimentary and minor volcanic rocks deposited along the south margin of the Ancient North American Platform. The Selwyn Basin is located along the northeastern flank of the Tintina Fault Zone, separating the former from various accreted terranes to the southwest. Basal stratigraphy comprises Neoproterozoic Hyland Group coarse and fine clastic sediments, successively overlain by Cambrian Gull Lake fine clastic sediments, Cambro-Ordovician Rabbitkettle Formation carbonates, Ordovician Road River Group cherts and fine clastic sediments, Devono-Mississippian Earn Group chert-pebble conglomerates, shales and argillite, and several younger successions from Mississippian to Lower Triassic age.

The Selwyn Basin has undergone emplacement of the eastern portion of the 94 – 91 Ma Tombstone-Tungsten Intrusive Suite, part of the 70 – 110 Ma Tintina Gold Belt, an arcuate suite of monzonite, quartz monzonite and dioritic intrusions extending from southwest Alaska through central Yukon and terminating along the eastern Yukon – British Columbia border. Individual intrusions of this suite form the host or loci of the majority of intrusion-related mineralization within central Yukon and Alaska. The Emerald Lake pluton is a member of the Tombstone-Tungsten Intrusive Suite, part of the Tintina Gold Belt. Two other large plutons, to the east and west of the Emerald Lake pluton, are members of the 98-93 Ma Mayo Suite, and comprise diorite, granodiorite to quartz monzonite compositions.

The property covers the eastern part of the monzonitic Emerald Lake pluton emplaced within an assemblage of Road River Group fine clastic rocks and Earn group conglomerate to fine clastic and minor carbonate sediments. The Emerald Lake pluton is silica saturated to undersaturated, comprising greater than 50% K-feldspar, with lesser hornblende and minor biotite; quartz is rare to absent (Jiang and Broughton, 1997). The Road River – Earn Group package is bounded to the southeast by a large unit of Gull Lake fine clastic rocks. The Gull Lake through Earn Group sequence forms an arcuate assemblage folded along a NW-SE axis, and bounded to the southeast by a northwest-dipping thrust fault. The northwestern boundary of this assemblage is also marked by a north-dipping thrust fault, separating Road River Group rocks from Lower Cambrian Hyland Group, Narchilla Formation fine clastic sediments to the northwest (Figure 3).

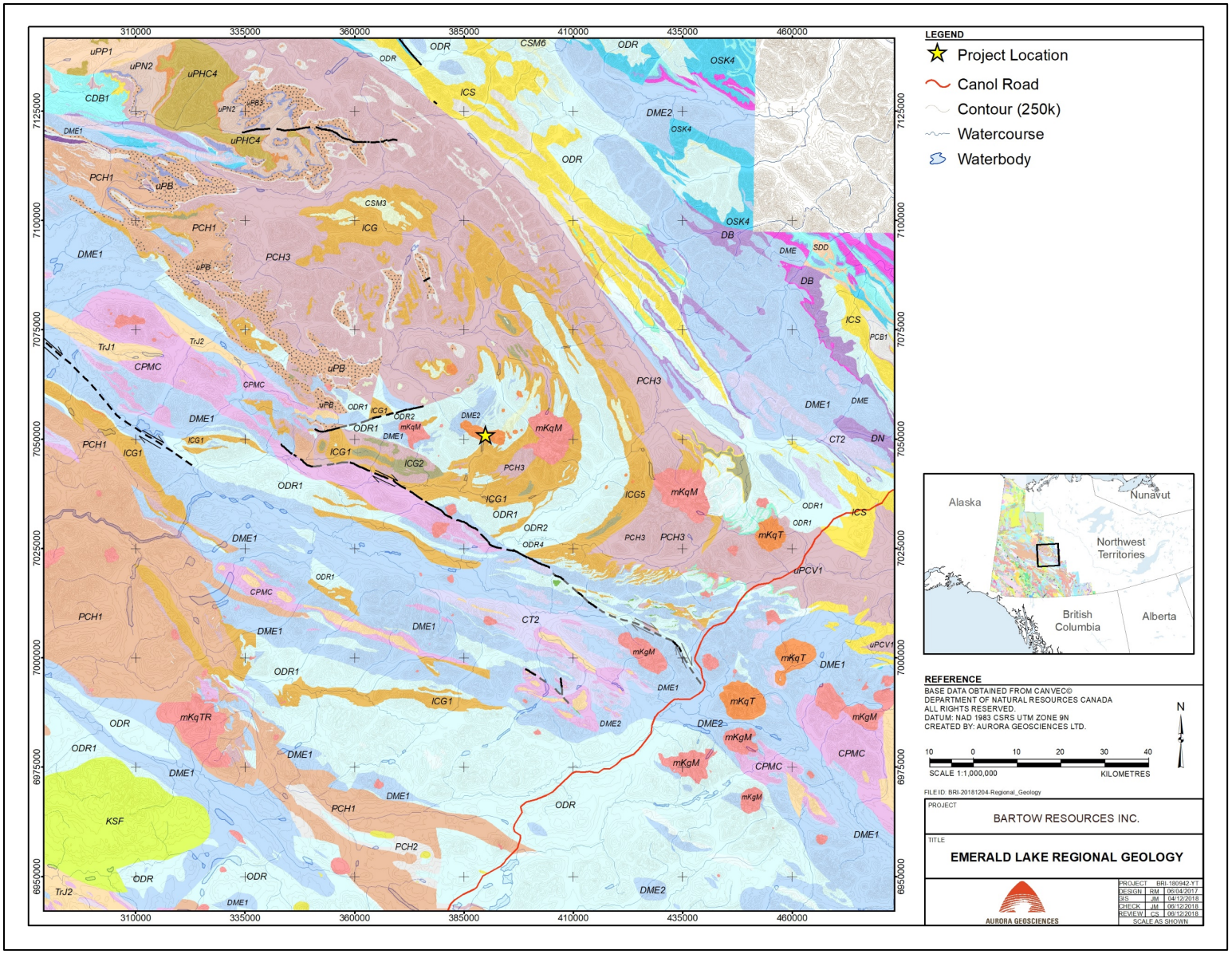

Figure 3: Regional geology

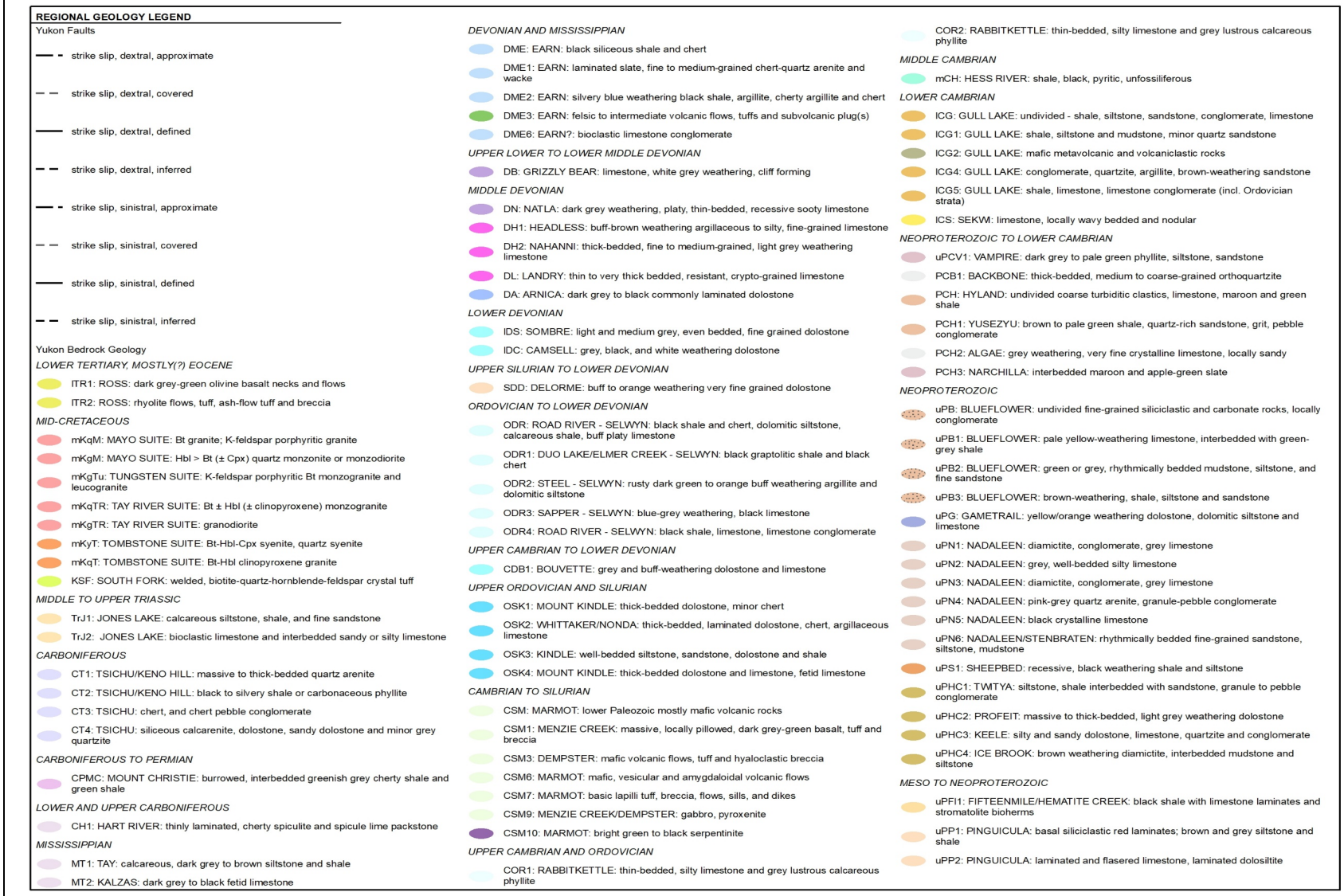

Figure 4: Regional geology legend

6.2 PROPERTY GEOLOGY

The Emerald Lake pluton occurs as a WNW-trending elongate intrusive body emplaced within Road River sedimentary rocks, lying in NNE-trending contact with Earn Group sedimentary rocks, and also with minor carbonate beds to the east (Figure 10). Mapping of the intrusion indicates that it is primarily a coarse grained, fairly massive K-feldspar porphyritic to megacrystic monzonite to syenite, with subordinate hornblende and rare biotite (Figure 5). The pluton is silica deficient to saturated, but lacking quartz (Jiang and Broughton, 1997). Marginal areas, particularly towards the headwaters of Camp Creek, are more finely grained with up to 8% euhedral hornblende.

Figure 5: K-Feldspar porphyritic monzonite, Emerald Lake pluton

The host Road River Group sediments typically comprise fine clastic beds, with abundant chert beds in western areas, particularly the "Valley of the Crystals" (Figure 6). Road River Group sediments are typically medium bedded, with strong hornfelsing and gossan development near the Emerald Lake pluton. The area near the headwaters of Camp Creek, between the VUL 1-4 and VUL 4-8 claims has been mapped as Earn Group sediments, based on abundant carbonate and silicate conglomerates and breccias in valley glacial moraine float (Figure 7). Earn Group sediments include chert-pebble conglomerate, siltstone to mudstone deposited in a fluvial environment, intercalated with shelf and off-shelf sediments (Gordey, 2013). Earn group sediments include local limestone and carbonate beds, marked by skarn-style pyrrhotite-chalcopyrite mineralization in talus float, particularly in the Tom Zone area. Carbonate beds also occur in Road River Group sediments, particularly in upper portions of the Valley of the Kings.

Figure 6: Road River Group chert, altered calc-silicate, Valley of the Crystals

Figure 7: Conglomerate, carbonate member, Earn Group

Abundant tan, fine to medium grained dykes, ranging from centimeter to metre-scale in width, occur in Earn Group sediments directly southeast of the Emerald Lake stock, and in Road River Group sediments in the Fish Lake zone. Near the Tom Zone, locally abundant weakly bleached and limonitic quartz-porphyritic monzonite talus float indicate the presence of dykes along the ridgeline to the north (Figure 8). Minor centimeter-scale pyroxenite veinlets, and sparse pyroxenite float, occur within Earn Group sandstones near the eastern end of the pluton.

Bedding measurements in the Tom Zone and Camp Creek headwaters area are oriented NNE to SSW, and are steeply dipping, variably to the ESE and WNW, indicating tight folding. Tight folding is also visible along the south flank of the Camp Creek valley, occurring along steep fold axes with a wavelength of multiple tens of metres (Figure 9). Shearing extends east-west to ESE-WNW, dipping steeply to the southwest, roughly paralleling the orientation of the pluton.

Figure 8: Quartz-porphyritic felsic dyke, Tom Zone area

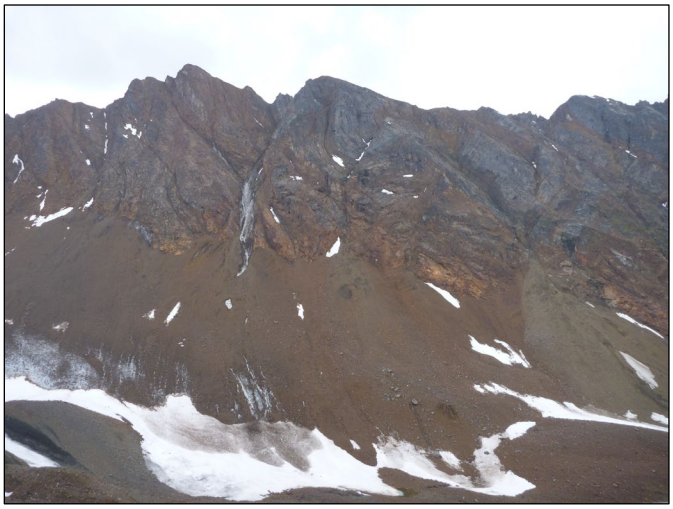

Figure 9: South flank, Camp Creek headwaters area

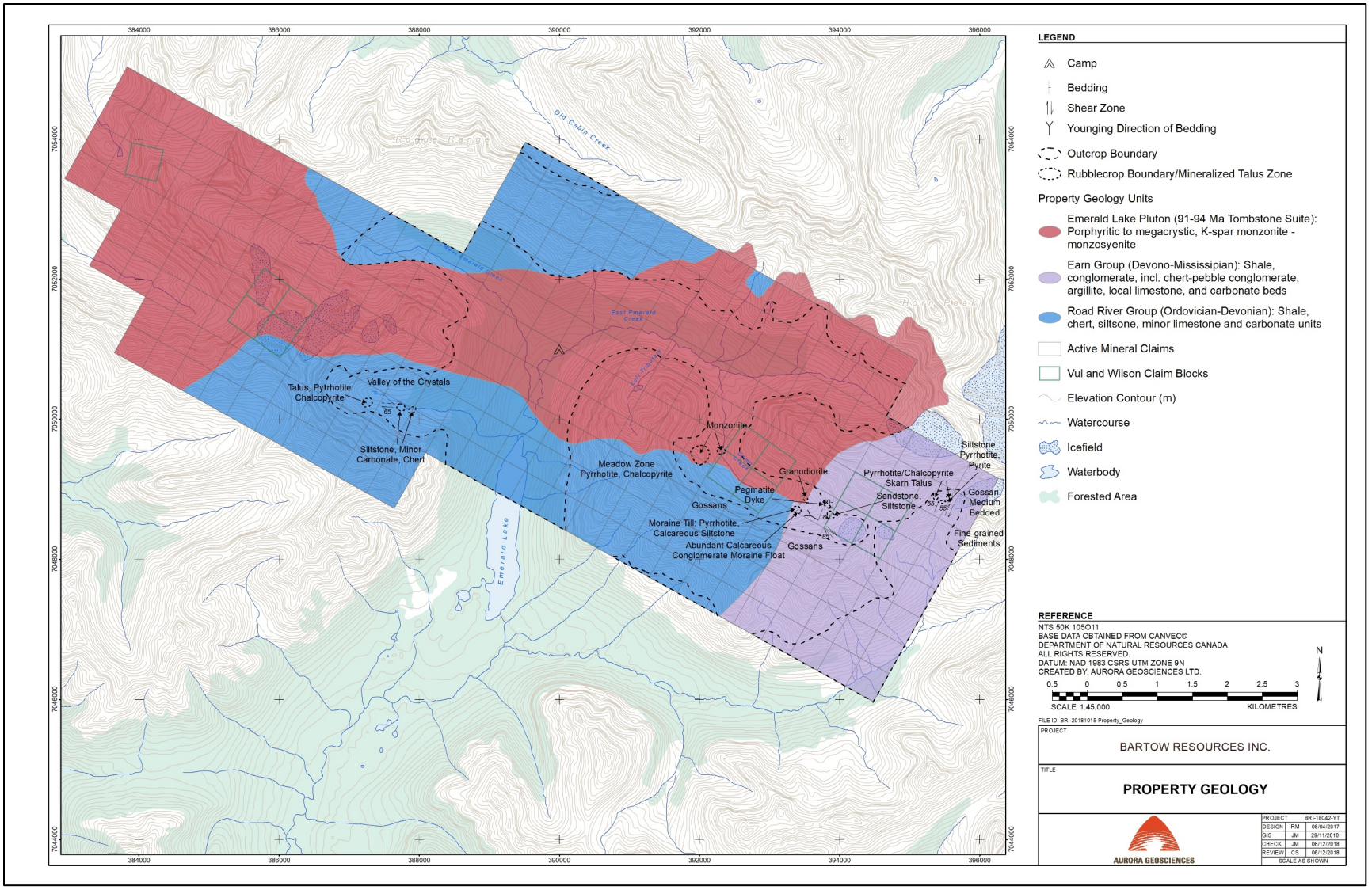

Figure 10: Property geology

6.3 MINERALIZATION

Due to extremely steep terrain, rock sampling was limited mainly to mineralized talus. In the Tom Zone area, locally abundant pyrrhotite-chalcopyrite skarn float indicates the presence of calcareous, reactive beds within Earn Group sediments. Although it is commonly disseminated, pyrrhotite is locally semi-massive to banded and attains concentrations to 60%, with up to 4% chalcopyrite. Sulphide enrichment is associated with strong silicification and limonitization of the host beds. Sparse coarse pyrite boxwork also occurs in the Tom Zone area. Similar pyrrhotite-chalcopyrite skarn mineralization was identified in talus float along the south flank of the Valley of the Crystals, locally associated with strong bleaching and a fine saccharoidal texture.

Near the southeast end of the pluton, high-elevation glacial valley float includes abundant carbonate conglomerate and breccia. Clasts are sub-rounded to sub-angular, and are polylithic, including siltstone and mudstone as well as calcareous lithologies, within a dominantly calcareous matrix. Pebble to cobble-sized clasts commonly show replacement-style pyrrhotite mineralization, with up to 20% matrix-hosted pyrrhotite. Mineralization is associated with silicification, with selective pyrrhotite replacement marked by more pronounced limonitization. Angular to subangular clasts indicate a partial brecciated origin, indicating tectonic activity, although the subrounded clasts indicate deposition of coarse clastic material from a carbonate origin.

Pyrrhotite-chalcopyrite mineralization in the Meadow Zone area also indicates widespread skarn and replacement-style zones within calcareous beds throughout the Road River Group. Much of the adjacent sedimentary country rock is moderately to strongly gossanous, indicating pervasive low-grade mineralization. Although this is due partly to hornfelsing, the locally semi-massive nature of sulphide mineralization indicates a hydrothermal setting, centered on the margins of the pluton.

Figure 11: Sample 1464107, Tom Zone area: 1.01 g/t Au

7 EXPLORATION

7.1 CREW AND EQUIPMENT

The following Aurora personnel conducted the survey:

Table 2: Personnel, 2018 program

Carl Schulze	Project Manager	July 24 – 28, 2018
Aron Barry	Crew Chief	July 25 – Aug 2, 2018
Michael Wiseman	Technician	July 25 – Aug 2, 2018
Ted Schulze	Technician	July 24 – Aug 1, 2018
Gary Schulze	Technician	July 24 – Aug 1, 2018

The following personnel were employed by Heli Dynamics Ltd:

Robert Cafuta, pilot

The crew was equipped with the following instruments and equipment:

Table 3: Instruments and Equipment

Data Processing	2	Computer: geologist's software package
Survey Equipment	4	Sampling tools consisted of 4 hand-held soil augers, 4 "Geotools" for rock sampling, and 1 axe for claim staking
	5	Non-differential GPS
Communication	5	VHF radios (mobile / base)
	1	SAT phone - Iridium
Safety	1	First Aid kit
	5	Bear Safety (Bangers, Spray)
	1	Field Survival kit
Support	1	Bell 206 Long Ranger helicopter from July 25-28. Office box and equipment repair tools.

The focus of the 2018 program comprised geological mapping, and rock, soil, and silt geochemical sampling within the eastern part of the Emerald Lake property. A total of 52 rock, 137 soil and 41 silt samples were collected during the program. An additional 16 claims, the Jones 240 – 255 claims, were staked during the program as well.

This program commenced on July 24th with the mobilization of a five-person geological and geochemical sampling crew, and was completed on August 2nd, when de-mobilization to Whitehorse was complete. Three personnel travelled from Whitehorse to Faro on July 24th in preparation for mobilization into camp. The remaining crew flew by helicopter on July 25th. Carl Schulze, Project Manager, left the property with

the helicopter during the evening of July 28th. The remaining crew stayed on site until August 1st, when the helicopter returned to commence the de-mobilization. The "de-mobe" was completed to the North Canol Road near MacMillan Pass by the evening of August 1st, and the helicopter returned to Whitehorse with T. Schulze and G. Schulze the same evening. M. Wiseman and A. Barry returned by road to Whitehorse, arriving on August 2nd.

7.2 Sampling Methodology

In 2018, a total of 52 rock samples were taken from the Emerald Lake property. All samples have a minimum weight of 0.25 kg and were placed in 8" x 13" or 12" x 20" clear poly bags. A sample tag with a unique sample number was placed in the bag and the number written in indelible ink on the outside of the bag. The sample bag was then wrapped tightly and bound using a "Zap Strap" cable tie. The rock samples were placed within "rice bags", each with a specific bag number and the sample numbers written on the outside of the bag, and the rice bags were sealed with a cable tie. All sample locations were recorded by using a Global Positioning System (GPS), utilizing Universal Transverse Mercator (UTM) 1983 North American Datum (NAD-83), at the midpoint of the sample. All samples were marked in the field, using a combination of blue and orange flagging tape, with the sample number written on the flagging tape and then wrapped numerous times around the sample to protect the identification of the sample. Notes on sample type, UTM locations, including elevation, sample type, sample description, geological formation, lithology, modifiers, colour, various types and intensity of alteration, types and amount of mineralization, date, sampler and comments were recorded in a field book. These were then transferred to an Excel spreadsheet, where they were digitized with the analytical results (Appendix 2a).

Silt samples (Figure 22) were taken at 250-metre station spacings along streams, and tributaries. At confluences, samples of both the mainstem and the tributary were taken sufficiently far upstream to avoid cross-contamination. Individual silt samples were comprised of material taken from several locations at a particular site to improve representability, focusing on fine material. Sample locations in UTM NAD-83 format were recorded in the field using a non-differential GPS and described as to percent fines, colour, stream grade and width, date, sampler and comments. Samples were placed in kraft bags with a sample tag showing the unique sample number, labeled and marked in the field in the same manner as soil samples. All samples were collected in order to provide accurate representation of the material present.

Soil sampling (Figures 23 – 25) comprised regional traverses with a 50-metre sample spacing, focusing on stream valleys along the "break in slope" and above the area of possible fluvial contamination. Soil samples are distinct from silt samples, which comprised recent stream sediment.

Soil sampling utilized hand augers or shovels, and targeted the basal C-horizon. Due to poor soil conditions, many samples are of B-horizon material, some are of a transitional B-C horizon material and a few are of transitional A-B horizon material. All soil samples were placed in brown paper "Kraft Bags", with the sample number written in indelible ink on both sides of the bag. Kraft bags were sealed with a "Zap Strap", and marked in the field with a soft metal "butter tag" as well as a combination of blue and orange flagging tape. All sample locations were recorded by using a Global Positioning System (GPS), utilizing Universal Transverse Mercator (UTM) 1983 North American Datum (NAD-83, Zone 9). Notes on UTM locations, traverse stations, sample horizon, depth, depth within particular horizon, colour, percent (%) organics, % angular rock, % gravel, % sand, % silt, % clay, parent material, moisture content, vegetation, topographic position, date, sampler, and comments when warranted, were recorded in a field book. These were then transferred to an Excel spreadsheet, where they were digitized with the analytical results (Appendix 2b).

Field data was entered into Microsoft Excel spreadsheet format (Appendix 2c), and later matched with analytical results. This process was continually re-checked to ensure correct results are associated with descriptions.

The routine and repetitive methodology of soil and silt sampling should eliminate any chance of bias; metal values should accurately represent actual amounts per site. Variability in results of soil sampling may be caused by depth of overburden, slope angle, vegetative cover, if any, and outcrop exposure, with lower values expected in flat areas with thick overburden. Soil anomalies may be transported, depending on slope and groundwater conditions; detailed records of slope, vegetation, soil conditions are used to determine probability of transportation.

7.3 GEOCHEMICAL SURVEY RESULTS

A total of 52 rock, 131 soil and 47 silt samples were collected during the program.

7.3.1. Rock Geochemical Results

Rock sampling focused on the Tom Zone, the east side of a cirque within the VUL 1-4 claim block, the headwaters area of Camp Creek, the Meadow Zone, area and the Valley of the Crystals, as well as some sampling completed in other areas (Figures 12 to 17). Most samples were of talus or of alpine glacial till. Sampling at the Tom Zone was done as a due-diligence exercise to substantiate very high gold values from previous workers; however, samples were limited to talus. Sampling at the Valley of the Crystals was done to provide evidence of the presence of "crystals" reported by past workers, although not specifically noted in previous reports. Elsewhere, rock samples were taken in areas where elevated gold and/or pathfinder element values were returned by previous workers.

Rock grab sampling at the Tom Zone, mainly of massive to semi-massive pyrrhotite skarn with minor chalcopyrite, returned Au values from 2 to 1,008 ppb, including values of 133 and 533 ppb (Figure 18). Of 15 samples collected, only four returned values exceeding 100 ppb Au. Values for Cu ranged from 53 to 3,977 ppm (0.3977%) (Figure 20), values for Co ranged from 32 to 154 ppm, values for Ag ranged from <0.3 to 2.3 g/t, and low to background values were returned for Zn and Pb. Values for Bi are highly variable, ranging from <3 to 1,012 ppm (Figure 21), with several values exceeding 100 ppm. Arsenic (As) values are mainly low, although weakly elevated values to 254 ppm were returned (Figure 19). Antimony (Sb) values are background to low.

Sampling along the east side of the cirque returned similarly low Au values from 2 to 35 ppb, with one sample of replacement-style pyrrhotite skarn returning a value of 371 ppb Au. Copper values ranged from 66 to 1,714 ppm, Co values ranged from <1 to 145 ppm, Ag values ranged from <0.3 to 1.4 ppm, and low to background values were returned for Pb and Zn. Pathfinder element values are low, except for Bi, which ranged from <3 to 429 ppm (Figures 18-21).

Sampling farther west, towards the headwaters of Camp Creek, focused mainly on a progression of calcareous clastic sediments, including conglomerate, with strong limonite staining. Although iron and sulphur values are highly anomalous, indicating the presence of barren sulphides, sampling returned low to background values for Au, Ag, and all base metal and pathfinder element values. The only exceptions are in Sample 1464119, returning values of 1,956 ppm (0.1956%) Zn and 20.7 ppm Cd, and Sample #1464262, returning 533 ppm Zn and 4.4 ppm Cd.

Sampling along the Meadow Zone returned low Au values ranging from 4 to 35 ppb, and low Ag values from <0.3 to 1.8 g/t. Copper values are elevated, ranging from 156 ppm to 3,140 ppm (0.314%). Other base and pathfinder element values are low to background, including Bi, ranging from <3 to 8 ppm (Figures 18 - 21).

Sampling along the Valley of the Crystals returned low Au values from 5-62 ppb and low Ag values from 0.4 to 1.3 g/t. Values for Cu range from 33 to 1,662 ppm. Values for Pb, Zn, Sb and Bi are low to background, with the exception of Sample #1464259, which returned 351 ppm Zn. One exception to the elemental assemblage is Sample #1464261, of sugary quartz vein material, which returned a value of 100 ppb (0.100 g/t) Au with 327 ppm As and 38 ppm Bi (Figures 18 – 21).

Sampling elsewhere returned low to background precious, base and pathfinder element values. One exception is Sample #1464125, comprising very fine-grained calcareous siltstone hosting semi-massive to fracture-controlled pyrrhotite and pyrite. This sample returned 101 ppb (0.101 g/t) Au, 2.0 g/t Ag, 209 ppm Cu,1,203 ppm Zn, and background pathfinder element values (Figures 18 – 21). This sample was taken directly north of the north property boundary.

Samples analyzed for platinum (Pt) and palladium (Pd) did not return significantly anomalous values. Values for Pt ranged from <2 to 11 ppb, and from <2 to 15 ppb for Pd.

7.3.2 Silt Geochemical Results

Silt geochemical sampling revealed two consecutive gold values of 120 and 139 ppb along Camp Creek, slightly upstream of its confluence with East Emerald Creek (Figure 26). A sample farther upstream returned a value from 67 ppb Au. Elsewhere, the “left tributary” west of Camp Creek returned values from 20 to 49 ppb Au, with one sample returning 56 ppb Au. Silt sampling along East Emerald Creek returned elevated Au values downstream of its confluence with Camp Creek, and along a right tributary in the north-central property area.

Silt sampling along lower Camp Creek returned anomalous Cu values ranging from 148 to 378 ppm (Figure 28), anomalous Zn values from 305 to 666 ppm Zn (Figure 29), weakly anomalous values for Pb from 22 to 46 ppm, anomalous As values from 83 to 195 ppm (Figure 27), and Bi values from 6 to 12 ppm (Figure 30). Sampling upstream returned values up to 16 ppb Au, 353 to 530 ppm Cu, 30 to 69 ppm Pb, 453 to 676 ppm Zn, 190 to 249 ppm Zn, 117 to 156 ppm Ni, 31 to 50 ppm Co, Bi values from <3 to 11 ppm and Mn values from 0.1909% to 0.2868%.

Two silt samples taken along the lower extent of the “Left Tributary”, directly upstream of its confluence with East Emerald Creek, returned highly anomalous base and pathfinder element values. Sample #1464033 returned 37 ppb Au, 1.5 g/t Ag, 405 ppm Cu, 178 ppm Pb, 1,492 ppm (0.1492%) Zn, 562 ppm As, 9 ppm Bi, 329 ppm Ni, 129 ppm Co and >1.0% (10,000 ppm) Mn. Sample #1464034 returned 38 ppb Au, 1.5 g/t Ag, 366 ppm Cu, 163 ppm Pb, 1,232 ppm Zn, 543 ppm As, 14 ppm Bi, 278 ppm Ni, 105 ppm Co and >1.0% Mn. Sampling along the remaining upstream section of the “Left Tributary” returned Au values from 13 to 56 ppb Au, 0.4 to 1.1 g/t Ag, 52 to 290 ppm Cu, 43 to 146 ppm Pb, 95 to 489 ppm Zn, 72 to 364 ppm As, 3 to 17 ppm Bi, 9 to 83 ppm Ni, 7 to 44 ppm Co, and 712 to 5,961 ppm Mn (Figures 26 – 30). With the exception of the Ni and Co values, which are near-background, the geochemical signature is similar, although less pronounced, to that of the two downstream samples.

Silt sampling along East Emerald Creek returned Au values from 9 to 33 ppb and Ag values from 0.4 to 0.9 g/t. Base metal values (Cu, Pb and Zn) range from background to weakly anomalous, although no significant trends were identified. Values for Bi range from 6 to 20 ppm.

Sampling along a "right tributary" slightly downstream of the Camp Creek – East Emerald Creek confluence returned background base and precious metal and pathfinder element values, except for As, from the most upstream sample. However, sampling downstream returned Au values from 16 to 28 ppb, Ag values from 0.8 to 1.3 g/t, Pb values from 28 to 42 ppm, As values from 152 to 202 ppm, Mn values from 0.201% to 0.312%, and background to low values for Cu, Ni, Co, Sb and Bi (Figures 26 - 30).

Values for Pt ranged from <3 to 6 ppm, and those for Pd ranged from <2 to 13 ppb. A single exception occurs in Sample #1464431, collected from East Emerald Creek somewhat downstream of the Camp Creek confluence, which returned 19 ppb Pt and 16 ppb Pd.

7.2.3 Soil Geochemical Sampling Results

Soil geochemical sampling near Camp Creek returned Au values from 6 to 67 ppb (Figure 26), Cu values from 8 to 370 ppm (Figure 28), Pb values from 17 to 119 ppm, Zn values from 29 to 412 ppm (Figure 29), As values from 6 to 253 ppm (Figure 27), Bi values from <3 to 14 ppm (Figure 30), and low to background Ag and Sb values. Two consecutive samples taken in the lower portion of Camp Creek, near the 2018 camp location, returned Au values up to 24 ppb, Cu values up to 370 ppm, Pb values up to 66 ppm, Zn values up to 412 ppm, As values up to 240 ppm, Bi values up to 14 ppm, Ni values up to 144 ppm, Co values up to 50 ppm, and Mn values up to 2,054 ppm.

Soil sampling near the "Left Tributary" returned Au values from 9 to 56 ppb, Ag values from <0.3 to 3.9 g/t, Cu values from 20 to 234 ppm, Pb values from 24 to 999 ppm, Zn values from 55 to 843 ppm, As values from 32 to 898 ppm, Bi values from <3 to 25 ppm, Sb values from <3 to 39 ppm and Mn values from 124 to 3,293 ppm. Two consecutive samples near the east bank of the lower-central watercourse returned identical Au values of 56 ppb, Ag values up to 3.9 g/t, Cu values up to 50 ppm, Pb values up to 999 ppm, Zn values up to 843 ppm, As values up to 898 ppm, identical Bi values of 7 ppm and Sb values up to 25 ppm (Figures –26 - 30).

An arcuate soil traverse encompassing the headwaters of East Emerald Creek returned Au values from 6 to 46 ppb with a single sample in the northern end returning 198 ppm Au. Ag values from <0.3 to 0.9 g/t, Cu values from 35 to 206 ppm, Pb values from 14 to 40 ppm, Zn values from 31 to 262 ppm, As values from 37 to 182 ppm, Bi values from <3 to 12 ppm, and background to low Sb, Ni and Co values were also returned from the sample analysis. Most of the higher base metal and As values were returned from the southeastern end of the traverse, although the elevated Bi values were returned from the northwest end (Figures –26 - 30).

Soil sampling along an arcuate traverse in the Valley of the Crystals returned Au values from 5 to 45 ppb, Ag values from <0.3 to 1.7 ppm, Cu values from 43 to 499 ppm, Pb values from 13 to 116 ppm, Zn values from 32 to 552 ppm, As values from 26 to 335 ppm, and Bi values from 5 to 32 ppm (Figures –26 - 30). The majority of high base metal and As values and weakly elevated Au and Ag values were returned from samples along the south side of the small stream, reflecting soil and talus fines from the north flank of the southern ridge. Values for Sb are low to background, as are Ni and Co values. One exception is Sample #1464311, taken near the western end of the traverse and returning 316 ppm Ni, 55 ppm Co, 45 ppb Au, 354 ppm Cu, 55 ppm Pb, 552 ppm Zn, 280 ppm As, 20 ppm Bi, and 4,071 ppm Mn. Two consecutive samples at the northeast limit of the traverse returned Pt values of 32 and 14 ppb, and Pd values of 70

and 26 ppb. Another sample towards the southeast limit of the traverse returned a value of 28 ppb Pt and 66 ppb Pd. Slightly elevated Pd values from 4 to 17 ppb were returned from most of the southern part of the traverse, reflecting material from the ridge farther to the south.

Another arcuate soil traverse along a right tributary returned Au values from 3 to 15 ppm, Ag values from 0.5 to 1.0 g/t, and low to background base metal and pathfinder element values.

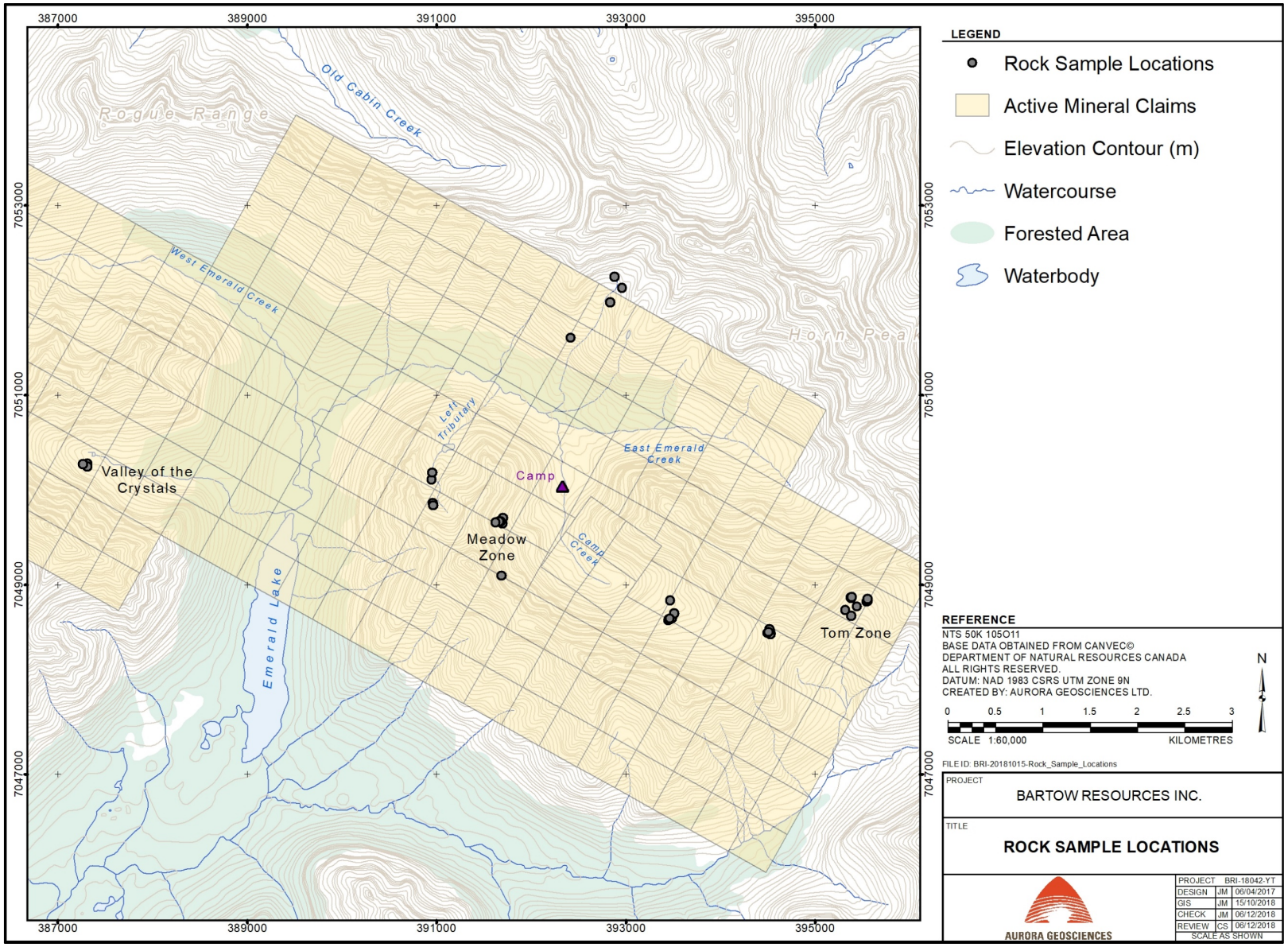

Figure 12: Rock sample locations, project-wide

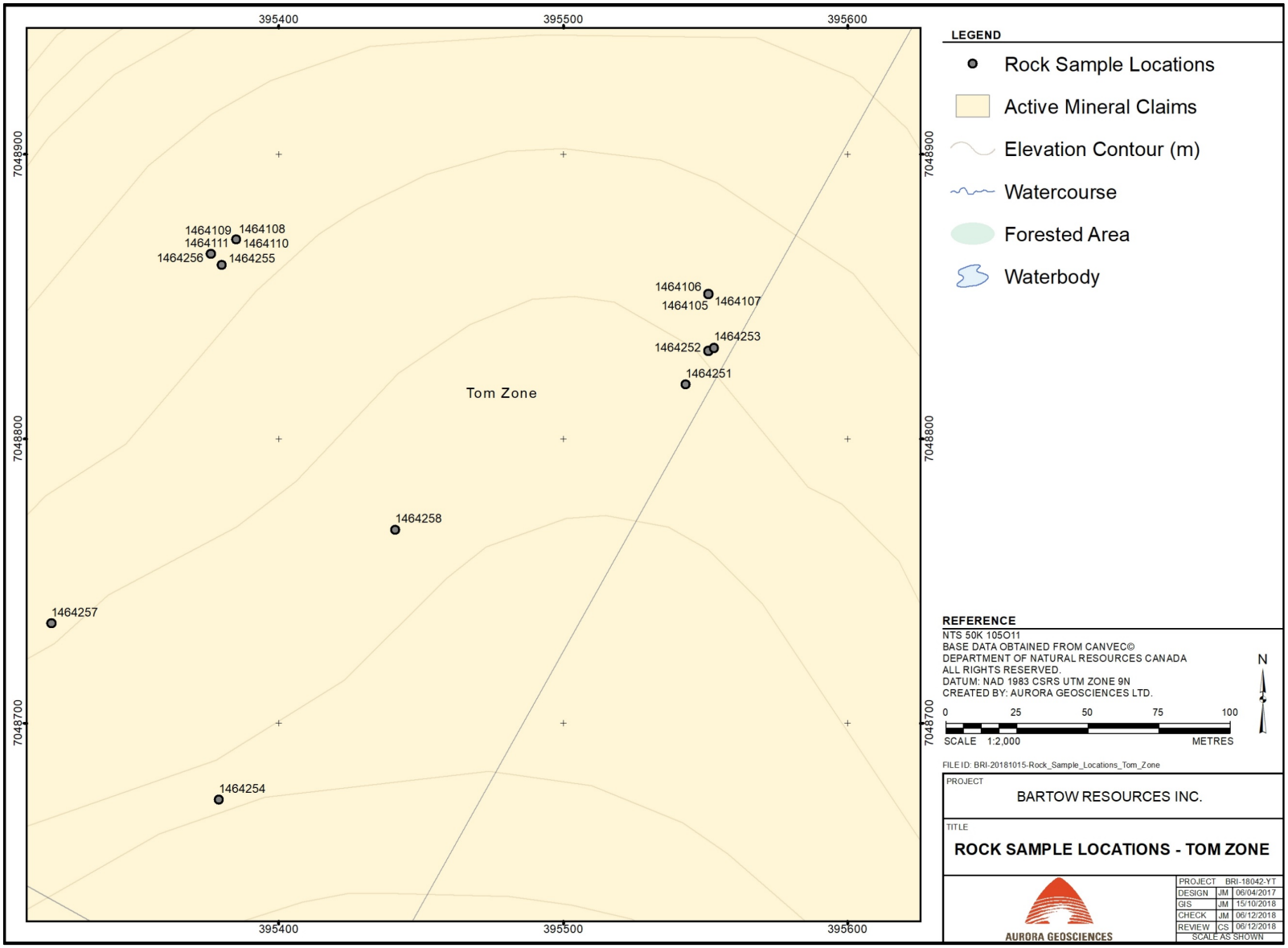

Figure 13: Rock sample locations, Tom Zone

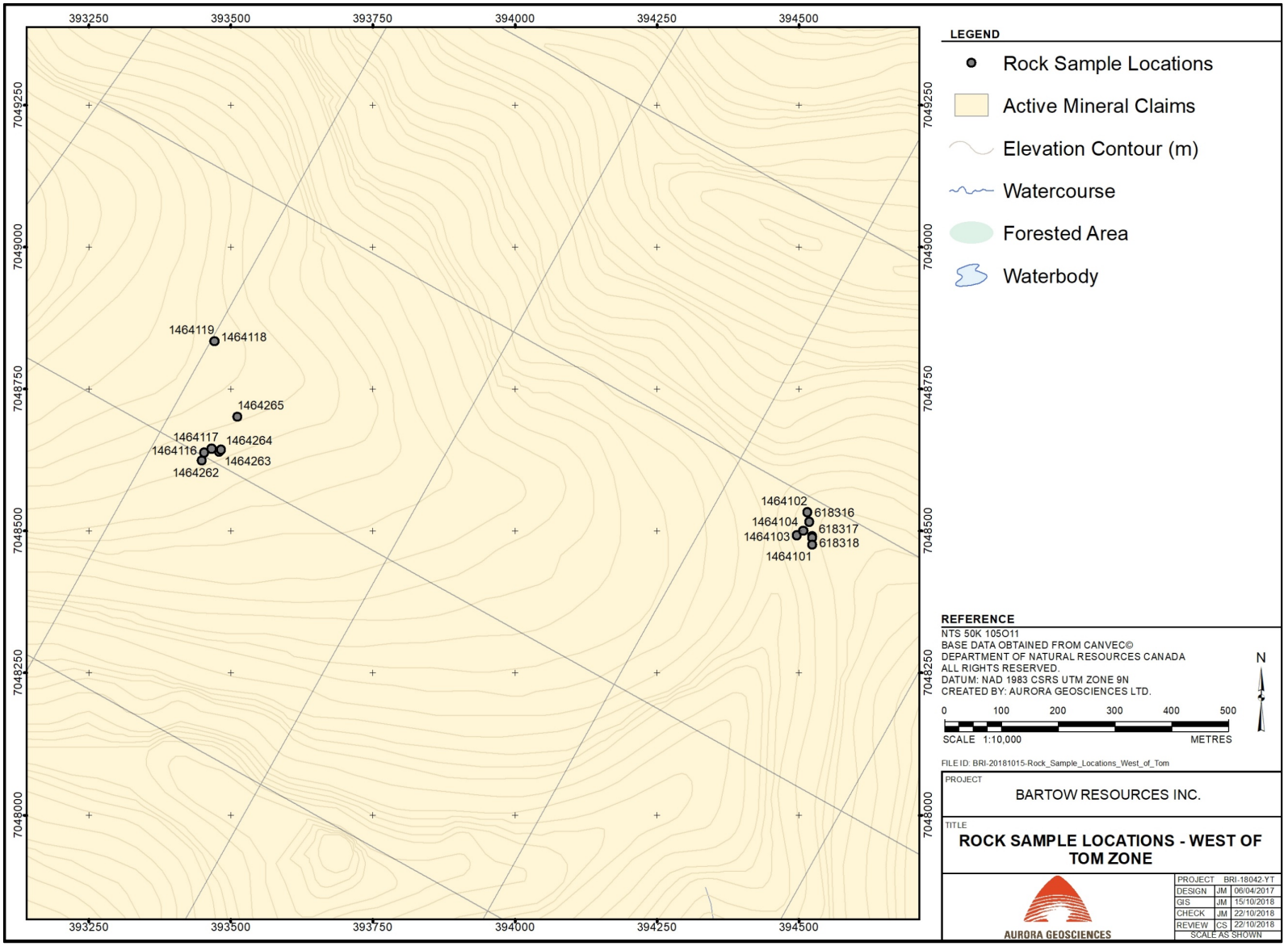

Figure 14: Rock sample locations, west of Tom Zone

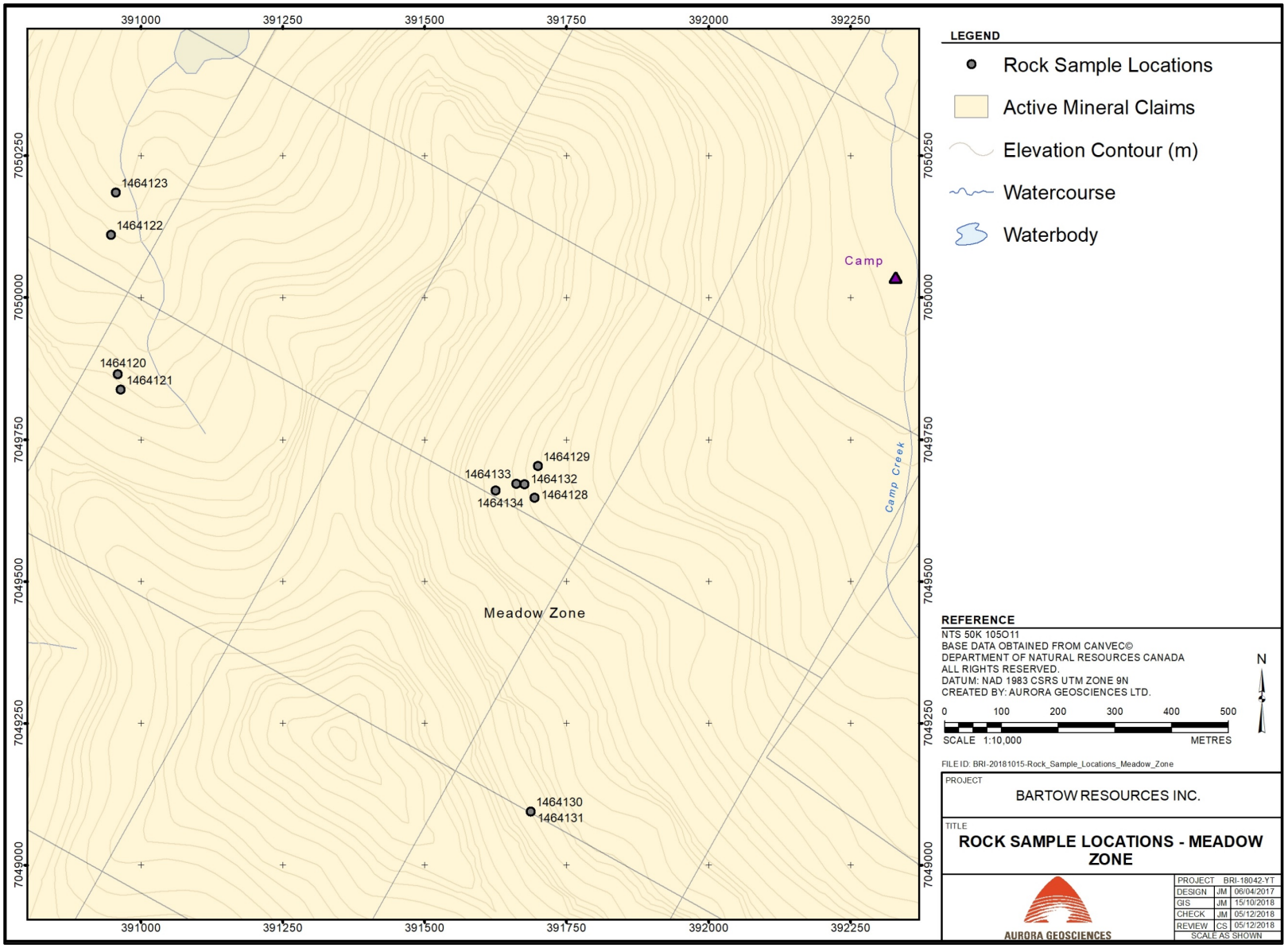

Figure 15: Rock sample locations, Meadow Zone area

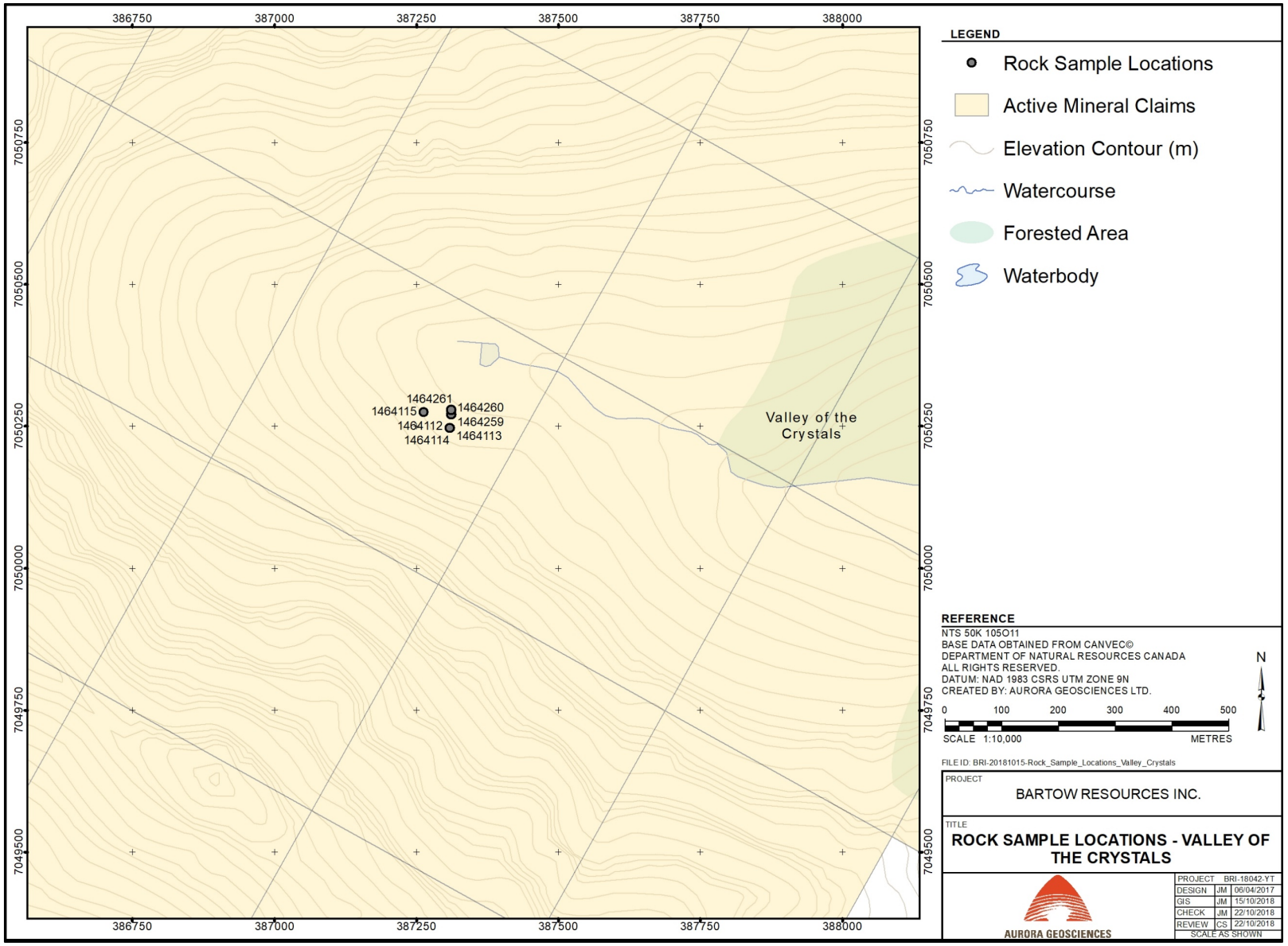

Figure 16: Rock sample locations, Valley of the Crystals

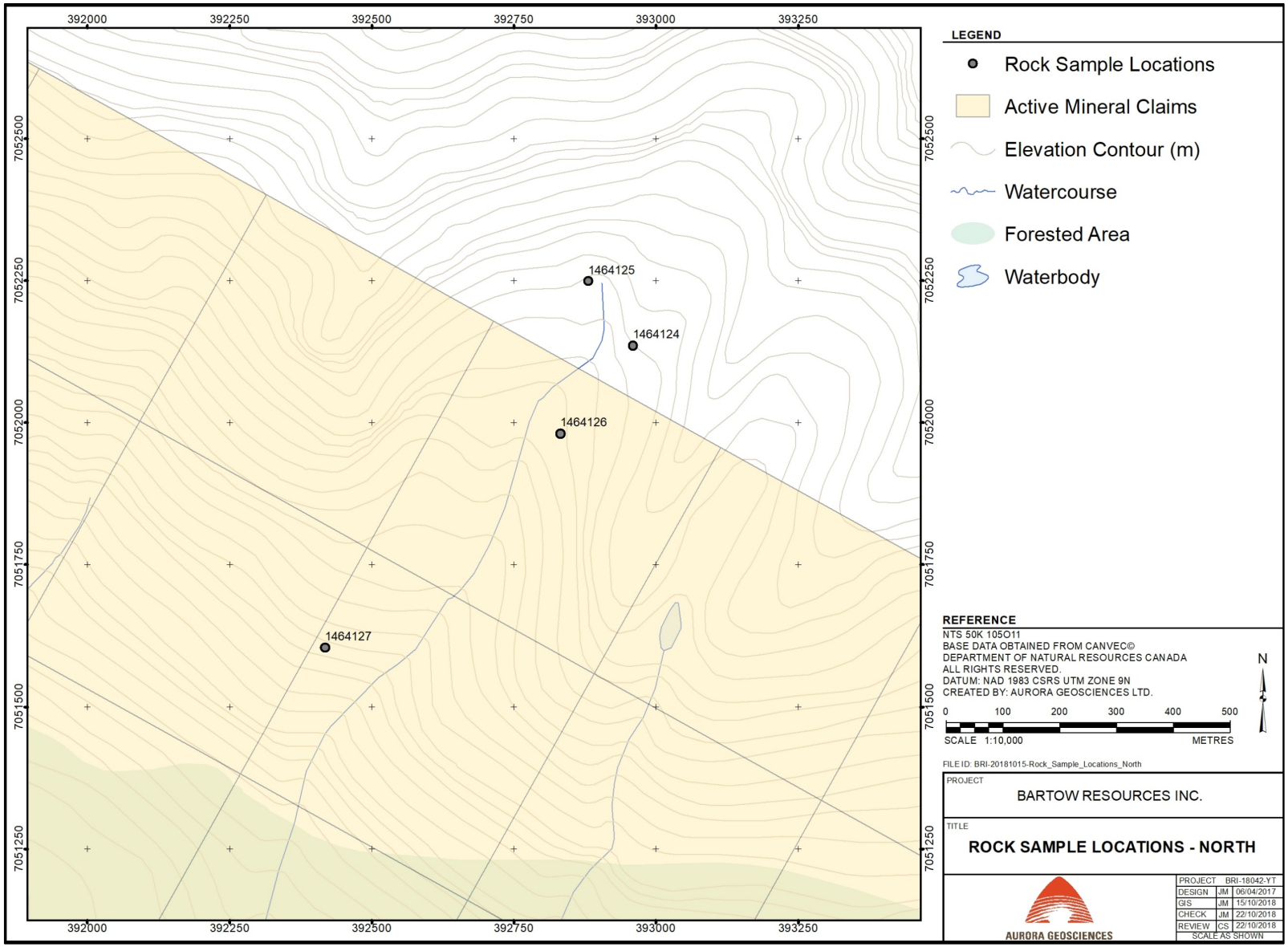

Figure 17: Rock sample locations, North area

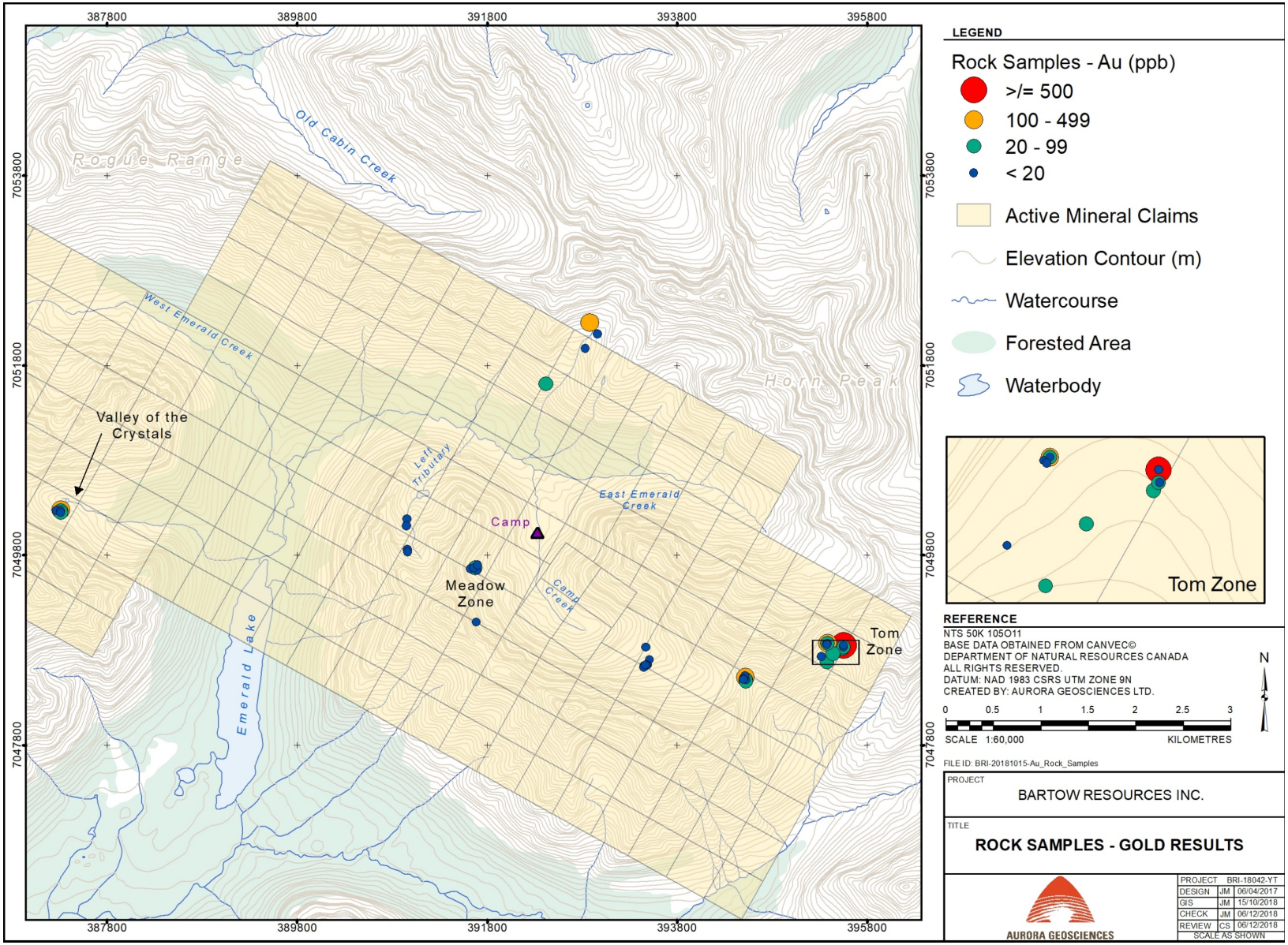

Figure 18: Gold value ranges, rock sampling

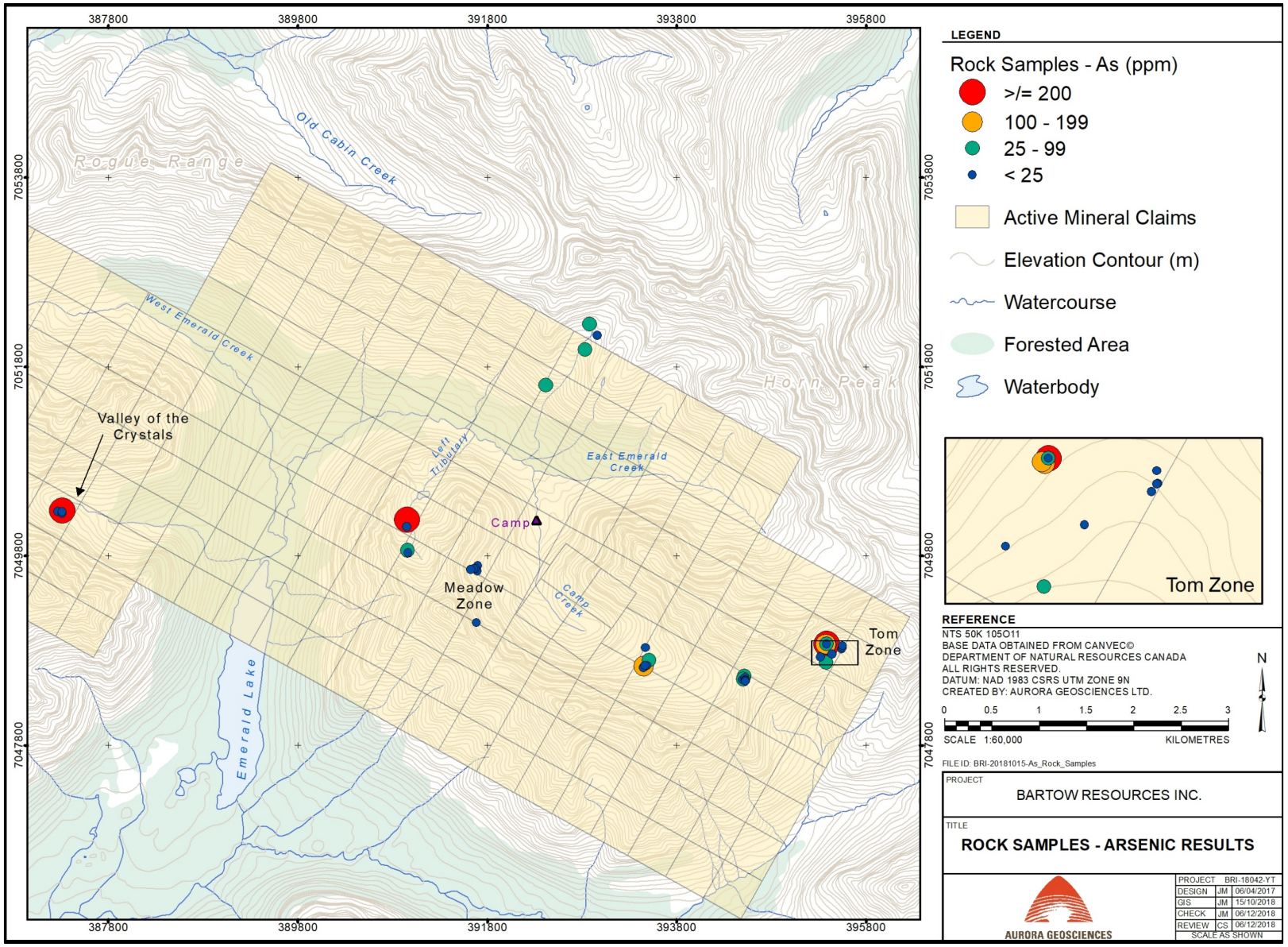

Figure 19: Arsenic value ranges, rock sampling

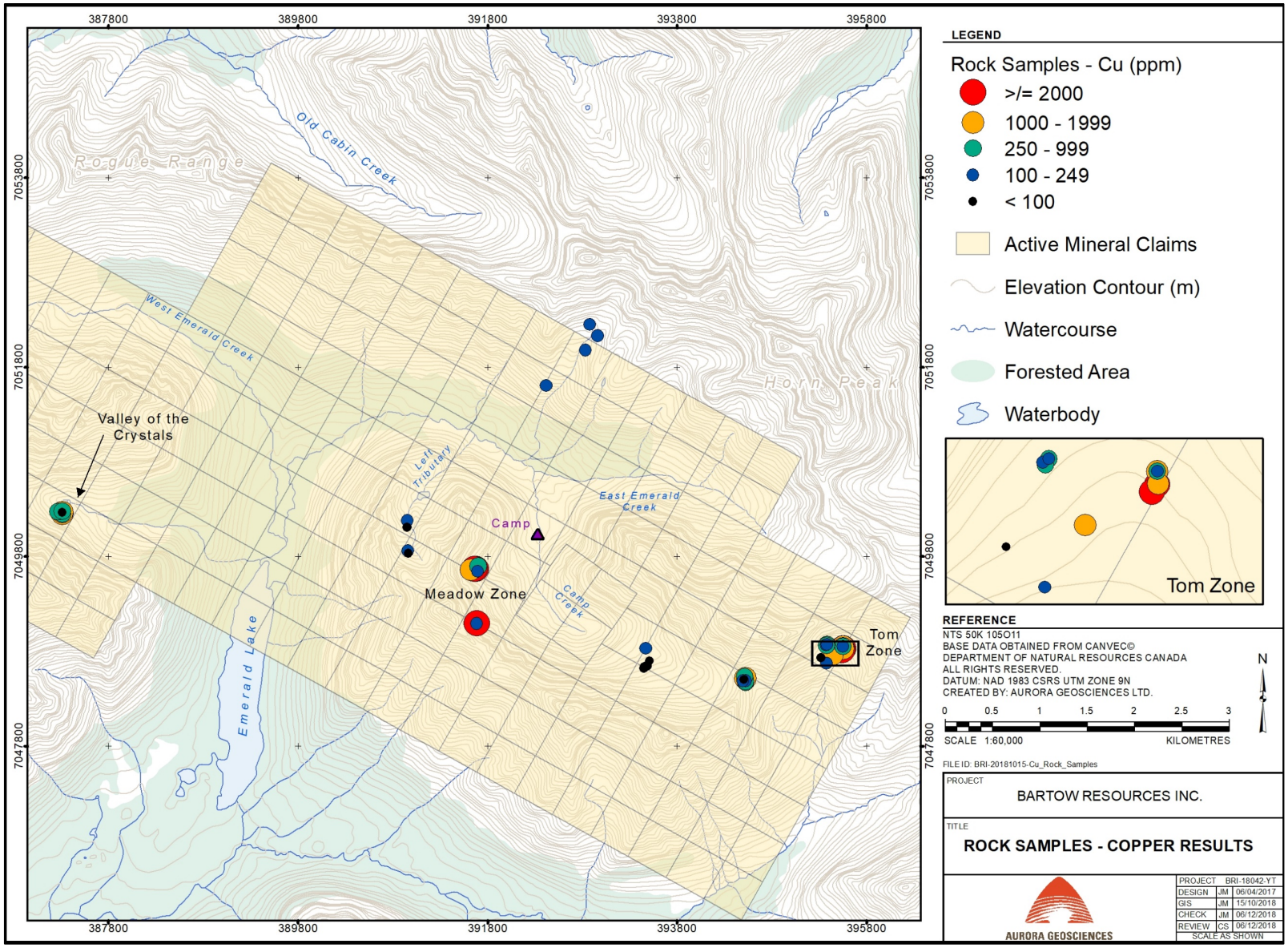

Figure 20: Copper value ranges, rock sampling

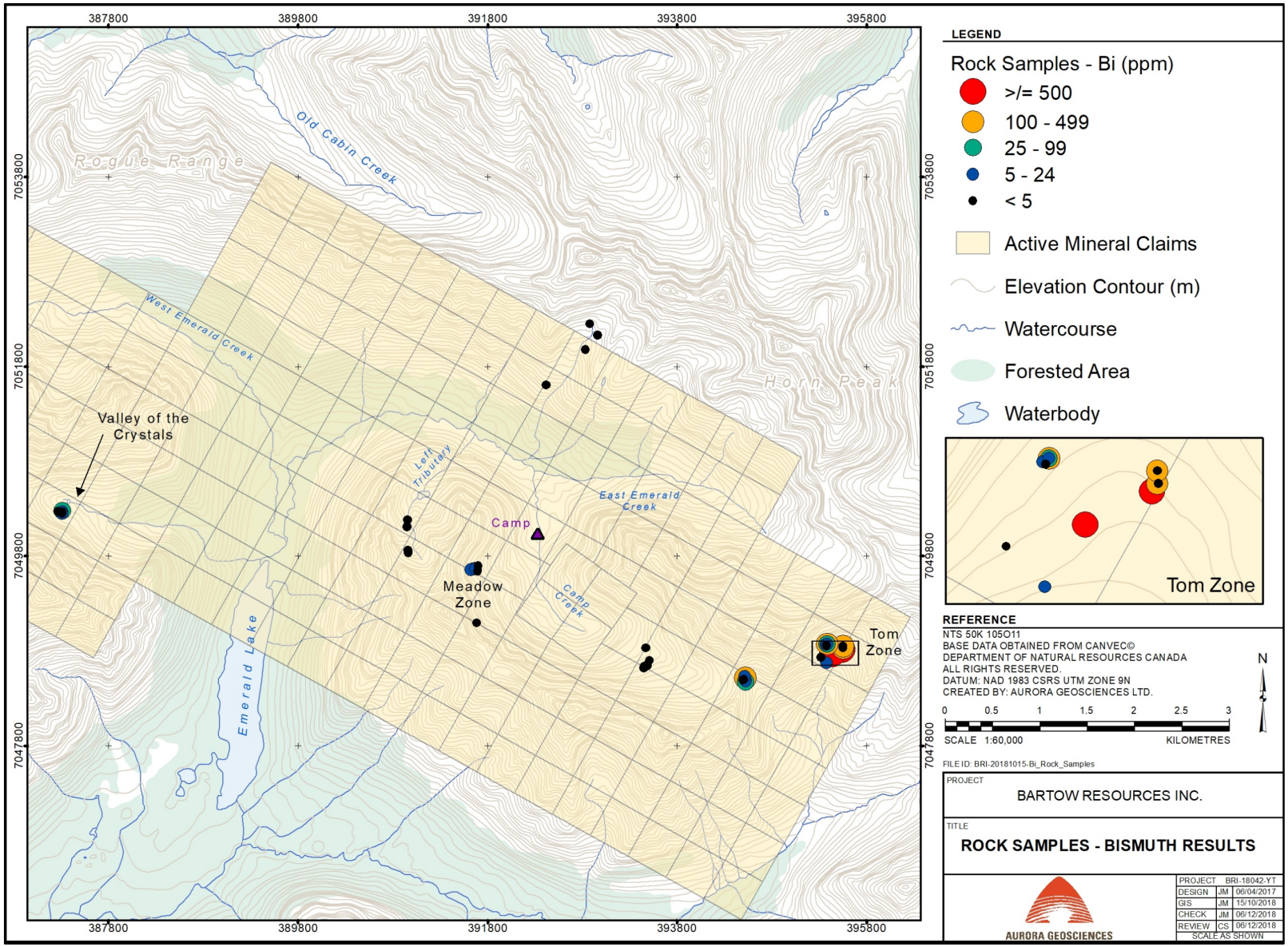

Figure 21: Bismuth sample ranges, rock sampling

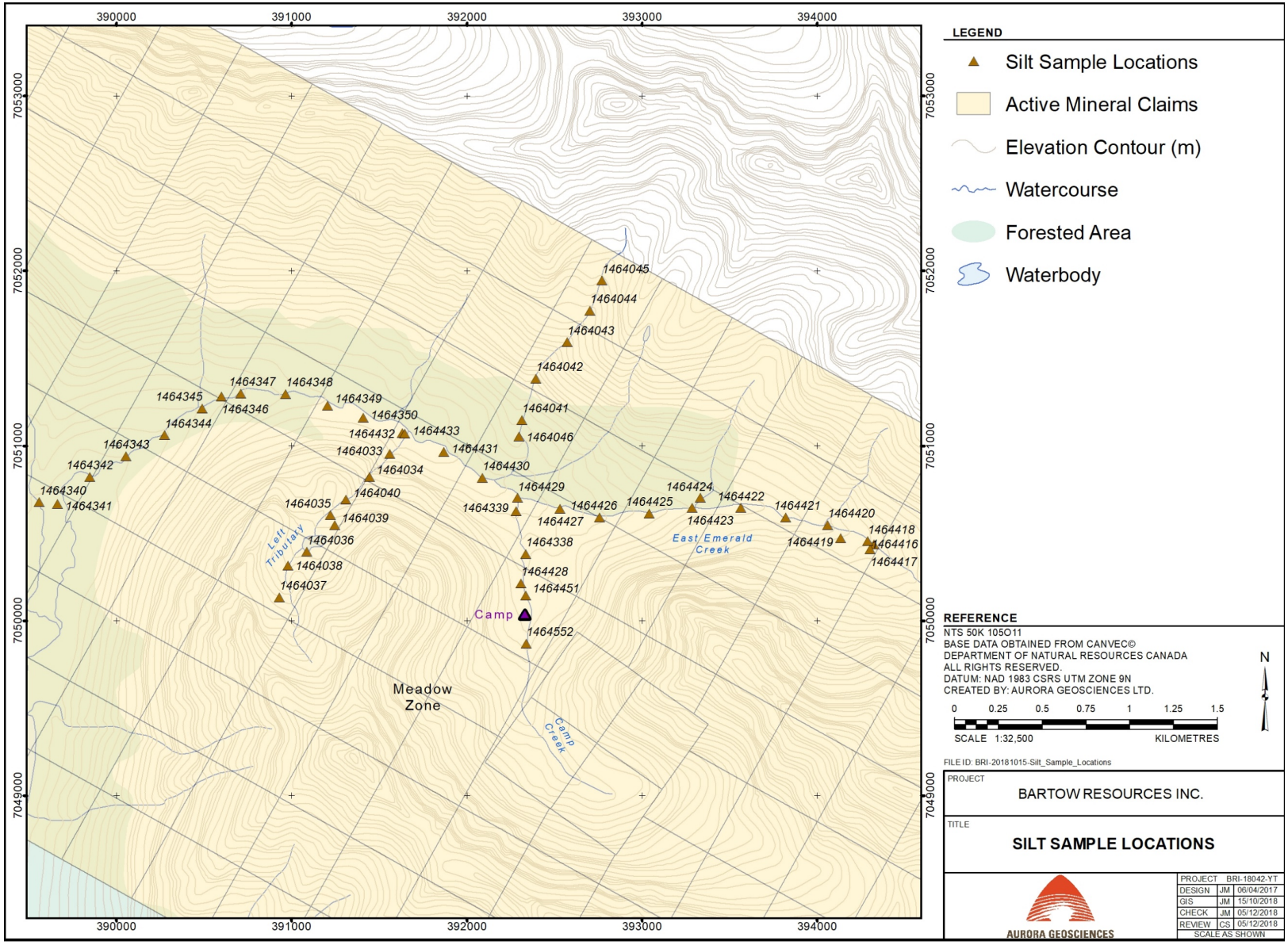

Figure 22. Silt sample locations

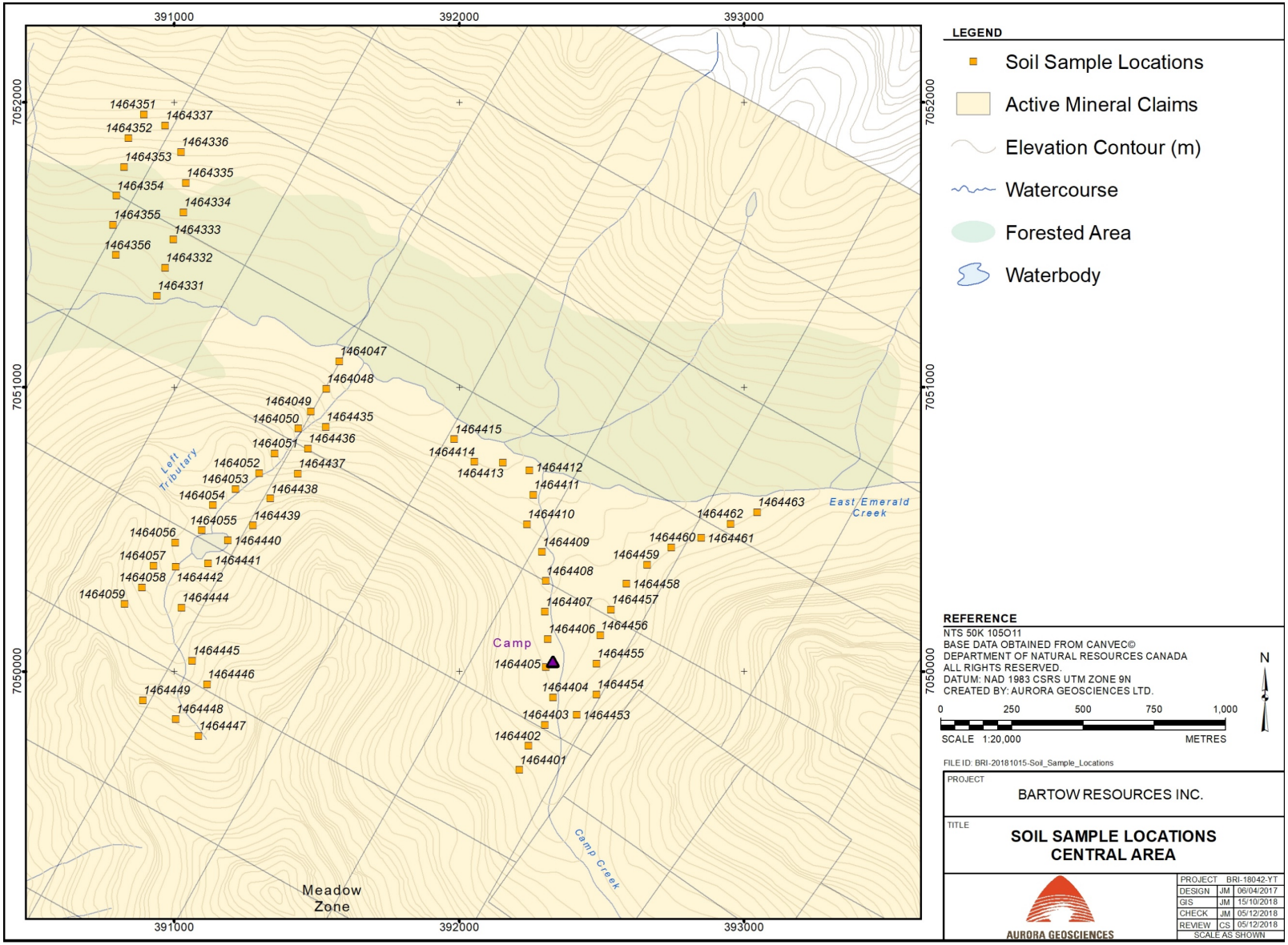

Figure 23: Soil sample locations, central area

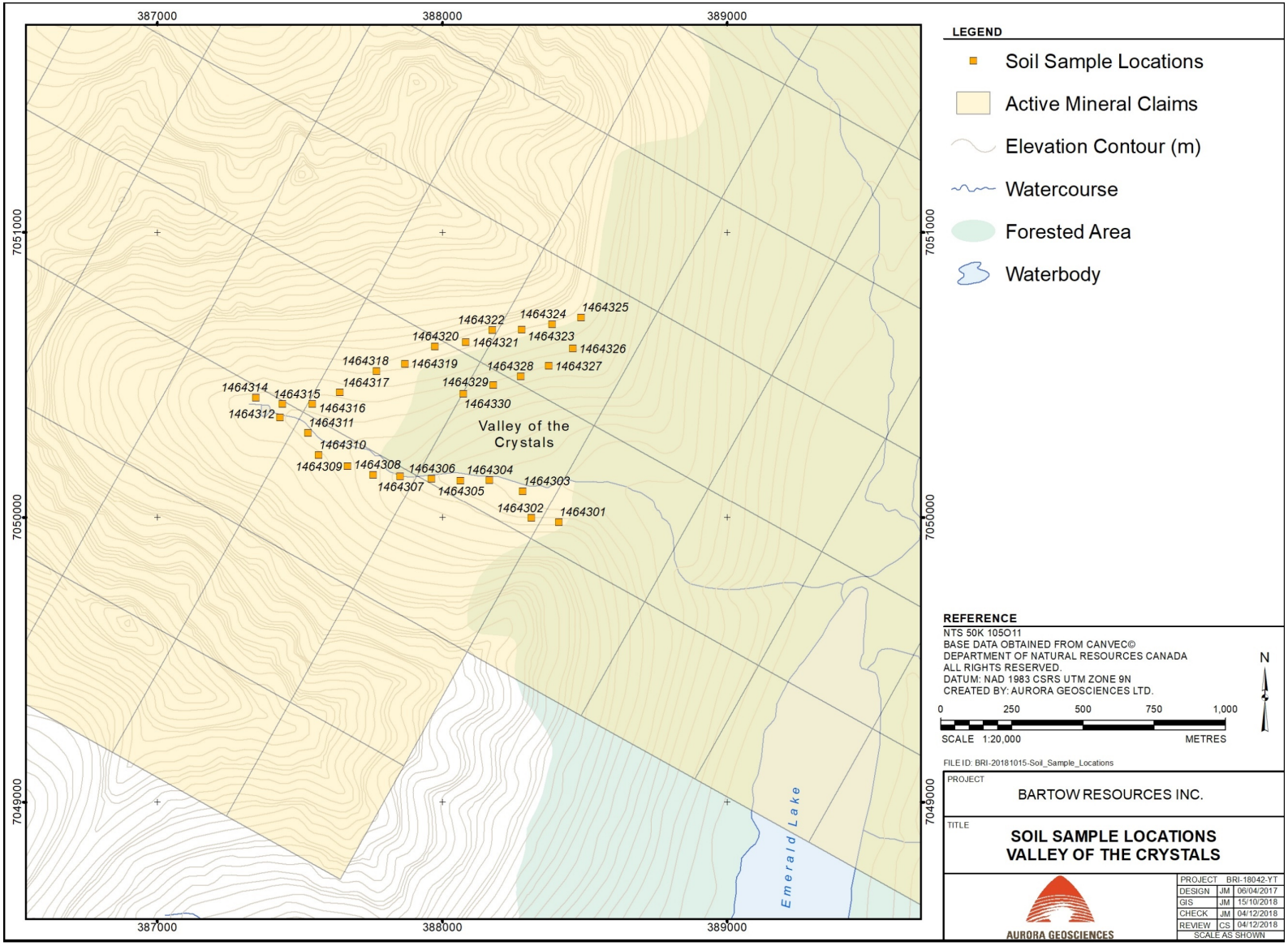

Figure 24. Soil sample locations, Valley of the Crystals

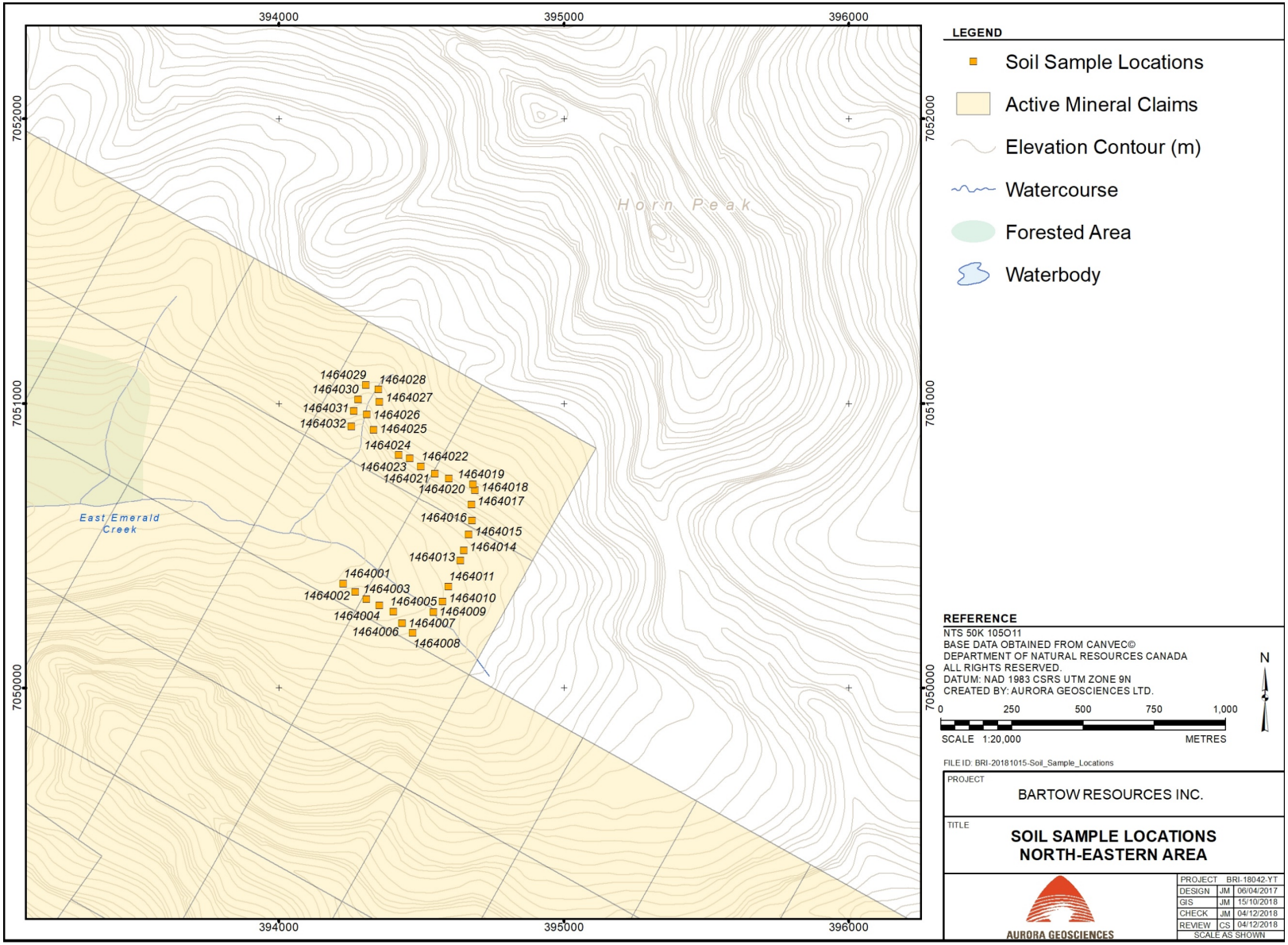

Figure 25: Soil sample locations, northeast area

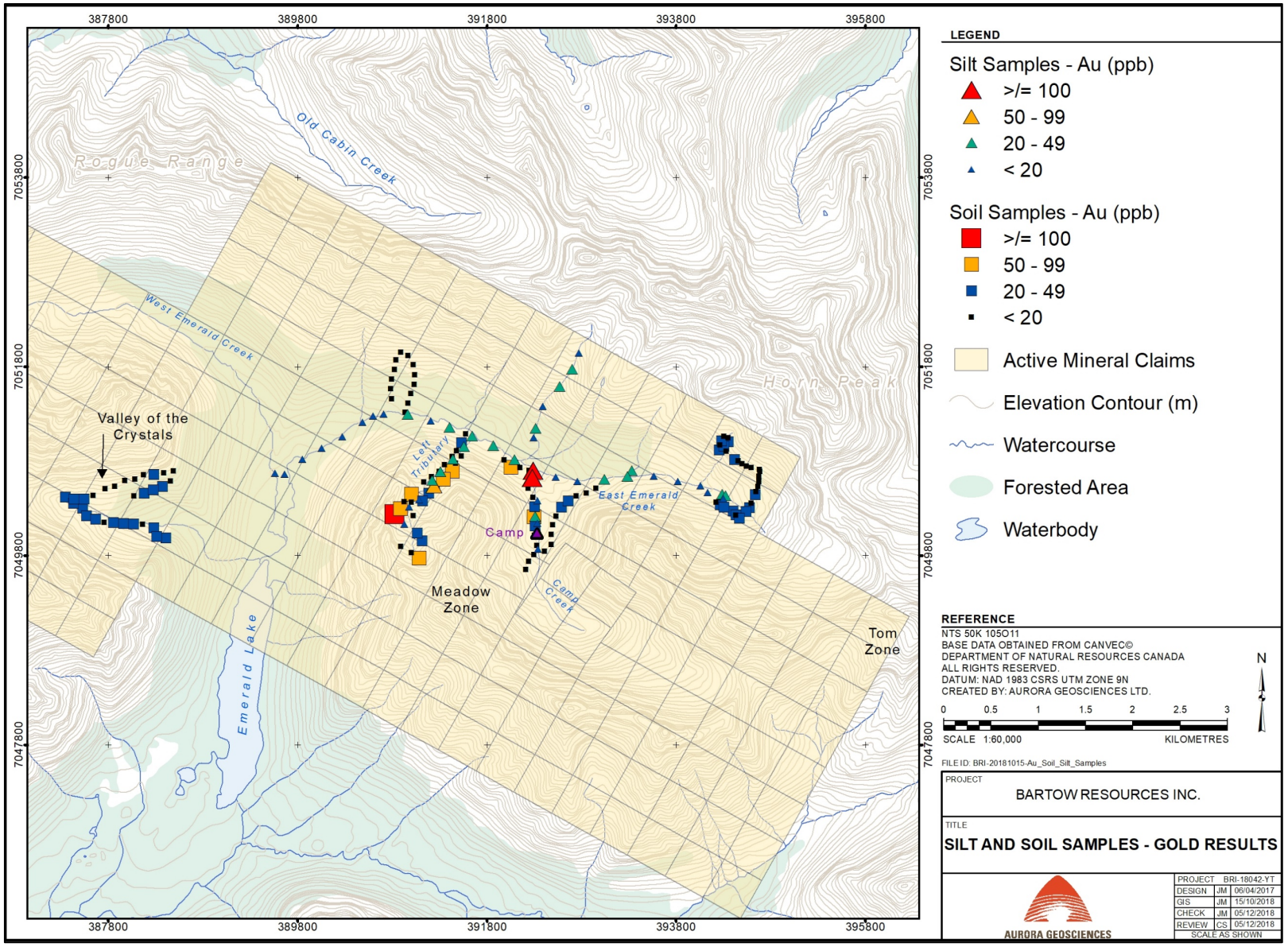

Figure 26: Gold value ranges, soil and silt sampling

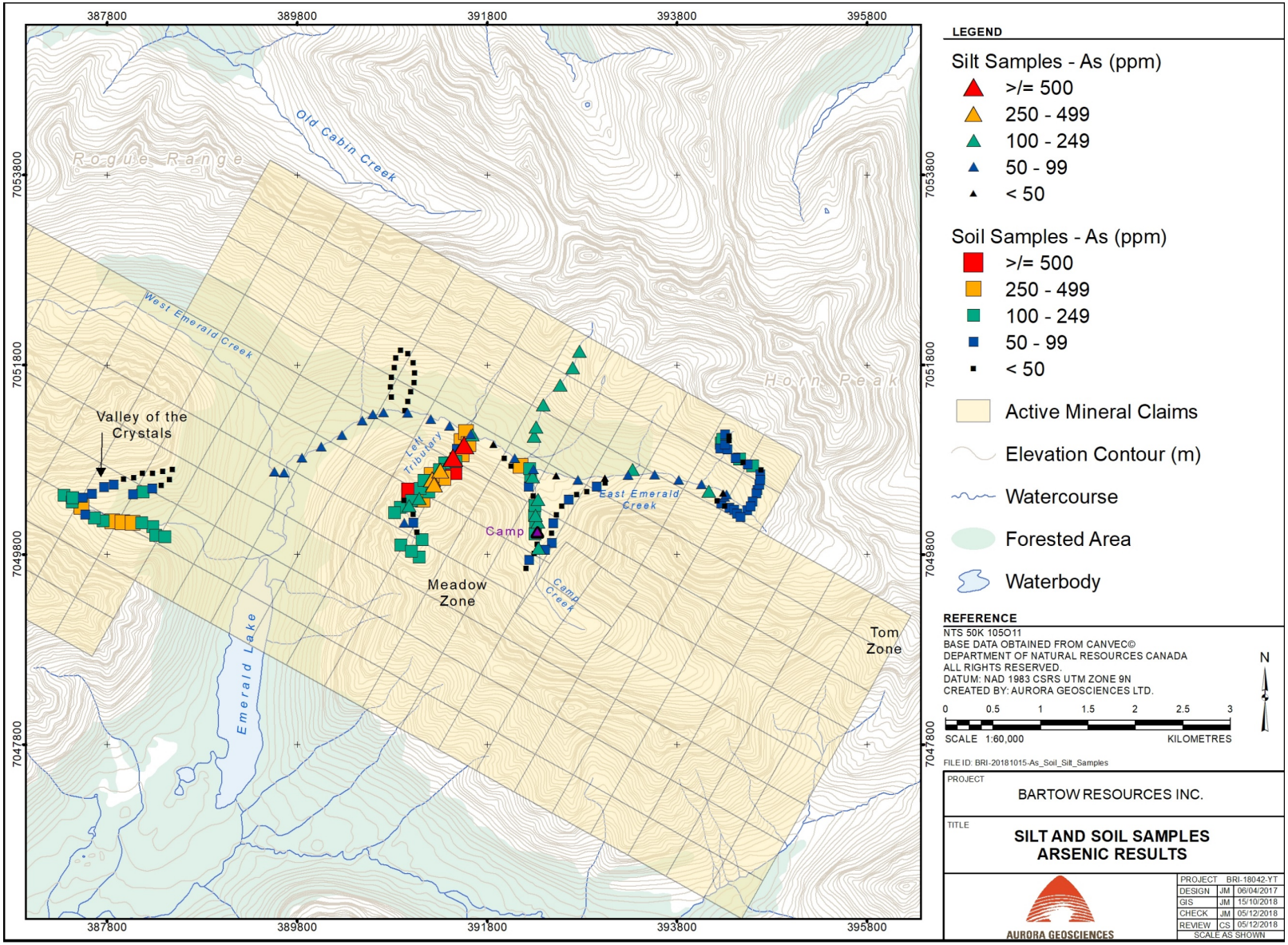

Figure 27: Arsenic value ranges, soil and silt sampling

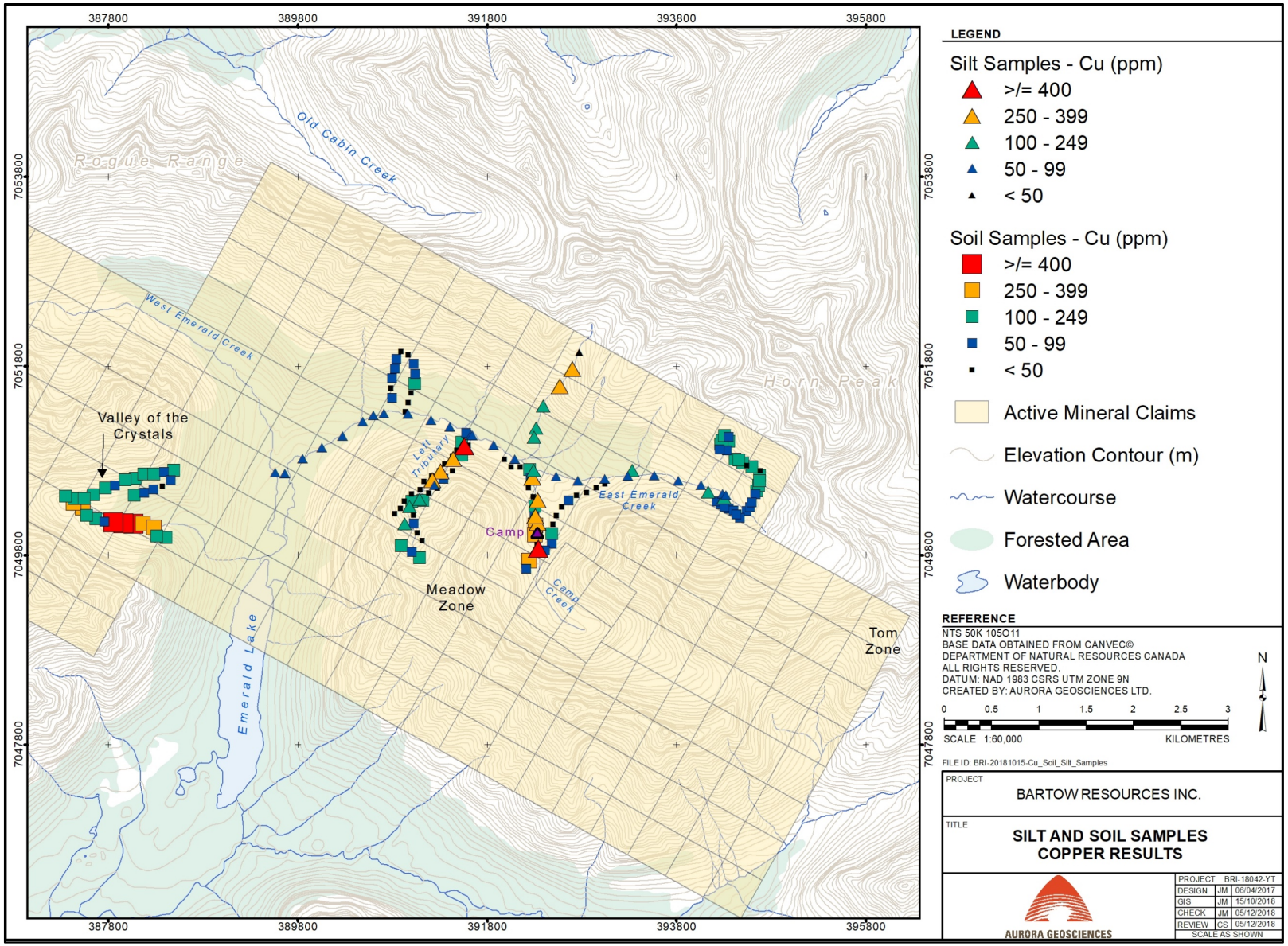

Figure 28: Copper value ranges, soil and silt samples

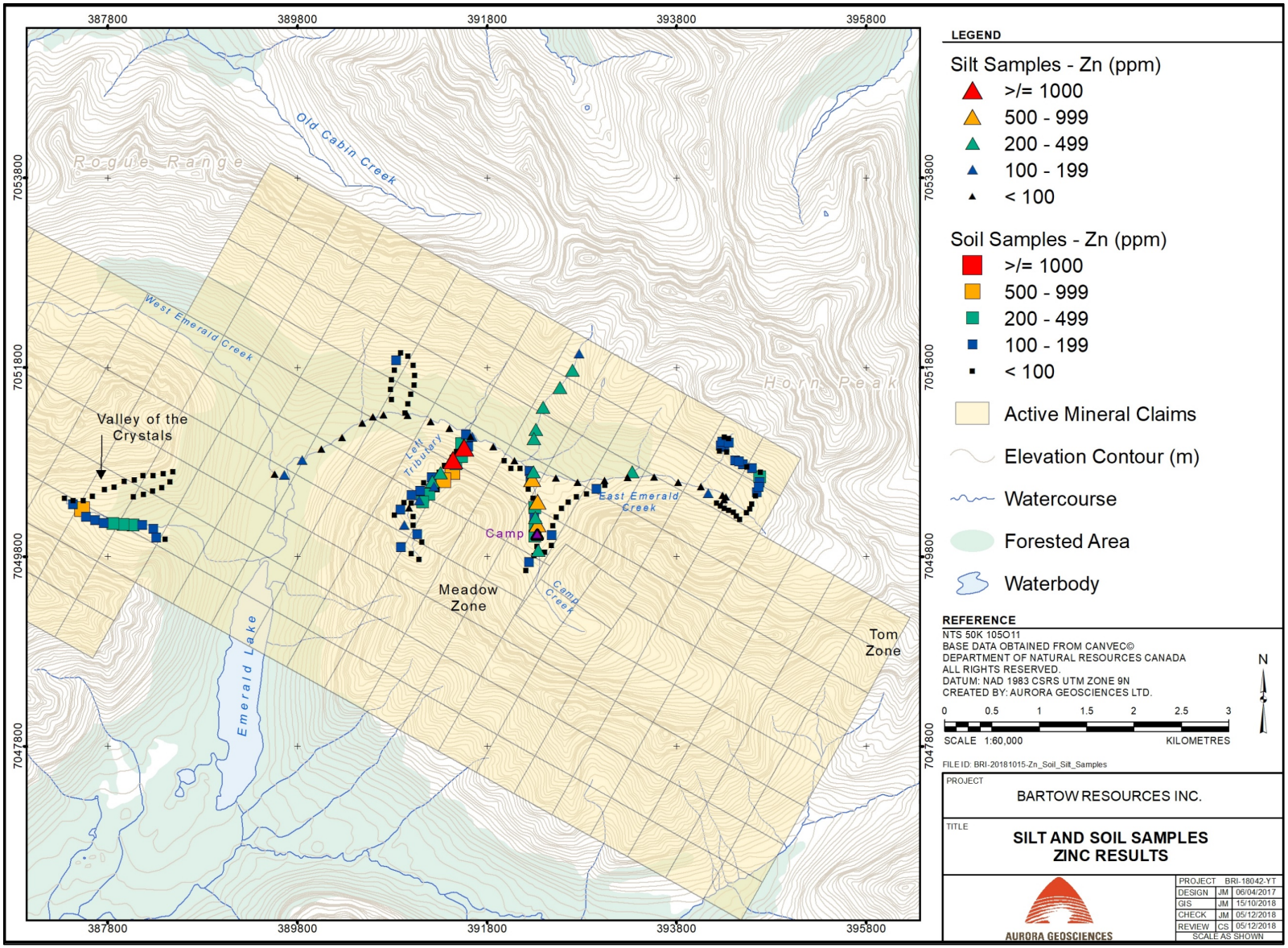

Figure 29: Zinc value ranges, soil and silt sampling

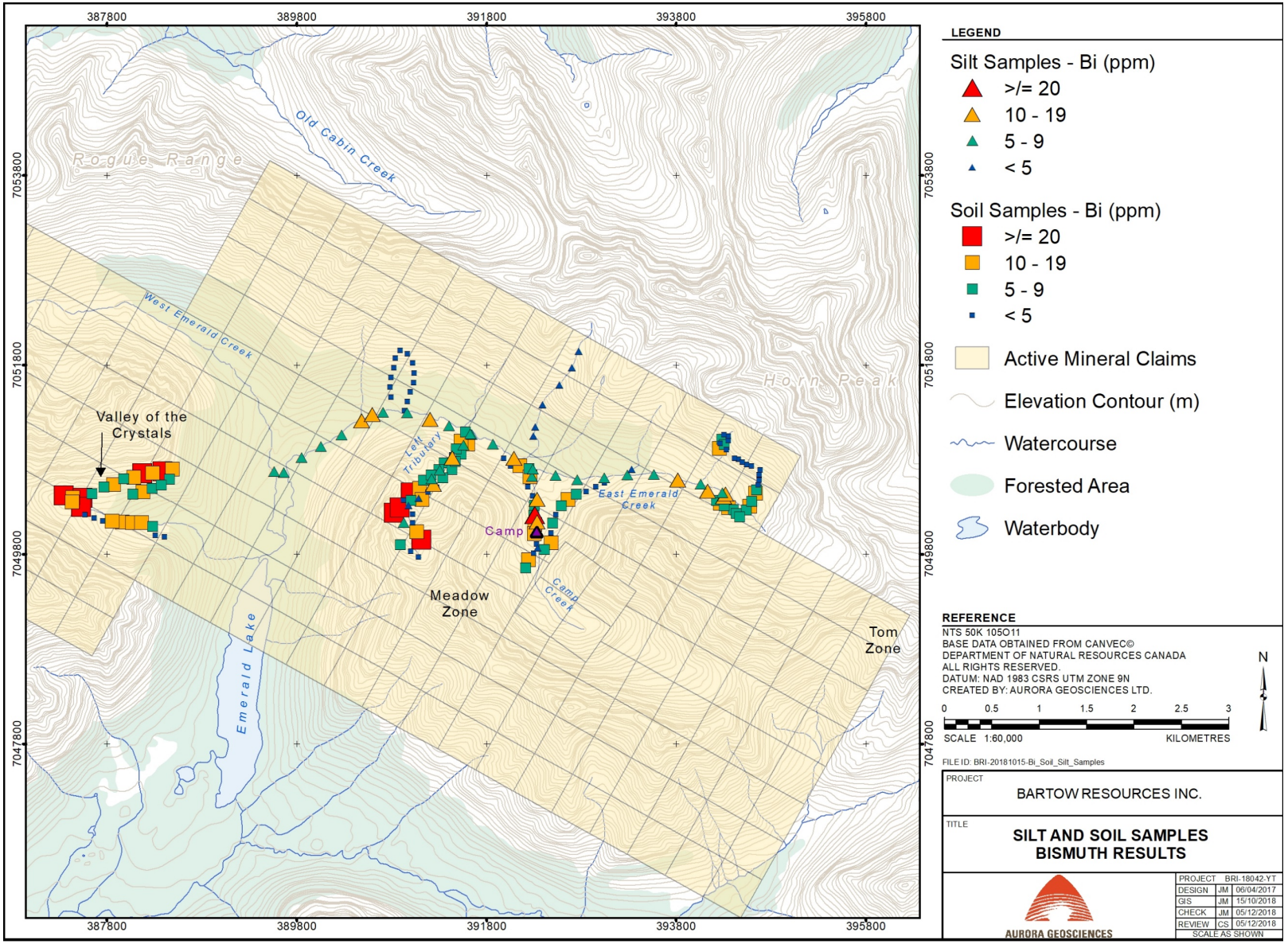

Figure 30: Bismuth value ranges, soil and silt sampling

8 SAMPLE PREPARATION, ANALYSIS AND SECURITY

8.1 SAMPLE PREPARATION AND SECURITY

There is no available information on Quality Assurance/ Quality Control (QA/QC) practices for geochemical sampling by past workers. However, the author considers the rock, soil and drill core samples to have undergone QA/QC controls to industry best practices at the time.

All samples were placed in rice bags, with the list of samples and sample types listed on the bag, and within a shipment notice placed in "Bag 1" of each shipment. All rice bags were sealed with a "Zap Strap" cable tie, and transported by helicopter either directly to Whitehorse or to MacMillan Pass, where they were driven to Whitehorse by Aurora personnel. All samples were hand-delivered by Aurora personnel directly to the Whitehorse preparatory lab of Bureau Veritas Commodities Canada Ltd (Bureau Veritas). The 'Sample Chain of Custody' Form was completed and signed by both Mr. Schulze and a representative of Bureau Veritas. Bureau Veritas is an analytical laboratory with ISO 9001:2015 and 14000:2015 certification, and is independent of Bartow Resources Inc. and the author.

At the Whitehorse Bureau Veritas prep facility, all rock samples underwent crushing to guarantee 70% of the sample size was passed through a 2.0mm screen (Procedure code PRP70-250). The resulting material was then thoroughly mixed, and a 250-gram portion of this underwent pulverization ensuring that a minimum of 85% of material could pass through a 200-mesh screen. These pulp samples were then shipped to the Bureau Veritas analytical laboratory in North Vancouver, British Columbia.

8.2 SAMPLE ANALYSIS

At the Whitehorse Bureau Veritas prep facility, a 0.5-gram sample of each pulp underwent 1:1:1 aqua regia digestion and analysis by 33-element Inductively Coupled Plasma Emission Spectroscopy (ICP-ES, Procedure code AQ300) and gold by 50-gram fire assay fusion Au by ICP-ES analysis (Procedure code FA350-Au). Many samples were also analyzed for Pt and Pd by fire assay (Procedure code FA350-Au).

All rock samples submitted for ICP-ES analysis were analyzed for abundances of Ag, Al, As, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Sr, Th, Ti, Tl, V, W, and Zn.

Soil and silt samples underwent identical analytical procedures. All soil and silt samples were dried at 60°C, then sieved so that a minimum of 100 grams has passed through a -80-mesh screen (Preparation code SS80), allowing for a maximum particle size of 149 microns. These pulp samples were then shipped to the Bureau Veritas analytical laboratory in North Vancouver, British Columbia. A 0.5-gram sample of each pulp underwent analysis by 33-element Inductively Coupled Plasma Emission Spectroscopy (ICP-ES, Procedure code AQ300) and gold by 50-gram fire assay fusion Au by ICP-ES analysis (Procedure code FA350-Au).

All rock samples submitted for ICP-ES analysis were analyzed for abundances of Ag, Al, As, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Sr, Th, Ti, Tl, V, W, and Zn. All samples were also analyzed for Pt and Pd by fire assay (Procedure code FA350-Au).

Bureau Veritas provides comprehensive in-house quality-control, using numerous blanks to test for any potential contamination, confirming that no detectable contamination has occurred. Bureau Veritas also conducts repeated in-house standard sampling for all 33 elements involved in ICP analysis, and gold, platinum and palladium involved in fire assay analysis, to determine accuracy of analysis.

9 DISCUSSION

9.1 GEOLOGICAL MAPPING AND ROCK SAMPLING

Exploration in 2018 was limited to the eastern property area and the Valley of the Crystals. Outlying areas were accessed by helicopter during the first three days of the program, and access to the rest of the property was limited by maximum reasonable distance on foot from camp.

Geological mapping and rock sampling results indicate the Emerald Lake property covers an "Intrusion-Related Gold System" centered on the Emerald Lake pluton. This stock is part of the 70 – 110 Ma Tintina Gold Belt, of which individual intrusions provide the core and mineralizing fluids for many of the "Intrusion-Related" gold, silver and tungsten deposits in Alaska and Yukon (Goldfarb, Hart and Miller, 2000).

Rock sampling returned disappointing gold values, and did not support past exploration results. This may be due partly to the nature of material sampled, which was limited to fairly large boulders of talus and alpine glacial moraine. This would eliminate the potential for inclusion of small highly mineralized fracture or strongly oxidized and weathered auriferous zones (if present), that would disintegrate closer to source. It is likely that previous sampling along the Tom Zone ridgelines included or focused on this style of mineralization, resulting in the high reported gold values. The ridgelines are inaccessible without sophisticated climbing gear, and the upper limits of talus accumulation are commonly in areas of frequent rockfalls, deemed too dangerous for surface exploration.

The majority of sampled material comprises pyrrhotite-chalcopyrite skarn within reactive fine-grained calcareous sediments of the Earn and Road River groups of the Selwyn Basin. These typically carry low to weakly elevated Au and Ag values, although values up to 1.008 g/t Au were returned from talus in the Tom Zone area. Samples at the Tom Zone are typically, though variably, enriched in copper, to a maximum of 0.3977%, although not enriched in zinc and lead. Abundant high bismuth values indicate the in-situ mineralized setting is very proximal to the Emerald lake pluton. Samples from the south side of the stream in the Valley of the Crystals were also of pyrrhotite skarn, returning a similar geochemical signature to that in the Tom Zone area, and indicating skarn mineralization occurs along the north flank of the ridge to the south. Samples from the Meadow Zone also mainly comprise pyrrhotite skarn, with a similar geochemical signature, including copper values to 0.3140%, to that of the Tom Zone. The only significant geochemical difference is that bismuth values at the Meadow Zone are low to background, indicating skarn mineralization was developed more distally from the intrusive source.

Rock samples along the headwaters of Camp Creek indicate the sedimentary strata includes calcareous conglomerate which has commonly undergone pyrrhotite-rich replacement-style mineralization within the matrix. The source is to the east, towards the head of alpine glaciation, where remnant glaciation is

present. Sampling returned low gold and silver values, although some strongly elevated zinc values were returned. At this time the significance of sporadic elevated zinc values remains undetermined. Background bismuth values were returned, indicating source fluids are distal from the intrusive margin.

Although sampling was limited to talus, visual inspection showed areas of skarn and replacement-style mineralization and limonitization are extensive, indicating a large amount of hydrothermal fluid movement was associated with the Emerald lake pluton. Vein mineralization is scarce, indicating the fluids reacted with the calcareous host rocks, rather than moved through areas of structural preparation, which would result in lode-style mineralization.

9.2 Soil and Silt Geochemical Sampling

Silt geochemical sample results revealed two areas of interest: lower Camp Creek and the "Left Tributary" of East Emerald Creek. Sampling along Camp Creek returned elevated to anomalous gold values up to 139 ppb. These samples are associated with anomalous copper values up to 530 ppm, lead values up to 69 ppm, zinc values up to 666 ppm, and elevated manganese, nickel and cobalt (Figures –26 - 30). Arsenic values are also anomalous, and elevated bismuth values indicate the hydrothermal fluid source was proximal to the Emerald Lake pluton. Base and precious metals are somewhat higher near the confluence of Camp Creek with Emerald Creek. Soil sampling along the west bank of the Camp Creek valley returned less definitive results, although base metal values are sporadically anomalous. One area of interest is represented by two consecutive samples with elevated gold values up to 24 ppb, anomalous to strongly anomalous copper and zinc values up to 370 and 412 ppm, respectively, and moderately anomalous Ni, Co, As and Mn values. Bismuth values up to 14 ppm indicate fluid proximity to an intrusive margin.

Silt sampling along the "Left Tributary" returned elevated gold and base metal values, and elevated values of arsenic, manganese and bismuth. The two lowermost samples, Samples #1464033 and #1464034), directly upstream of the confluence with East Emerald Creek, returned gold values up to 38 ppb, and particularly high values of base metals, up to 405 ppm Cu, 178 ppm Pb and 1,492 ppm Zn, and highly anomalous values of nickel, copper, manganese and arsenic (Figures –26 - 30). Elevated bismuth values up to 12 ppm indicate proximity to an intrusion but were returned only from the upper course of the stream, near the intrusive margin. Soil sampling along the east side of the stream valley returned two consecutive values of 56 ppb gold, associated with strongly anomalous zinc, lead, arsenic and manganese values, but low values of copper, nickel and cobalt. These samples are somewhat south (upstream) of the correspondingly anomalous silt samples. Still, the similarity of the silt samples along lower extents of both Camp Creek and the "Left Tributary", combined with the high coincident gold-lead-zinc values, suggest that a WNW-trending mineralized horizon extends across the lower extents of both drainages, approximately parallel to the axis of the Emerald Lake pluton. The anomalous values were taken sufficiently upstream of East Emerald Creek to reflect a local source rather than a transported source by the mainstem, sampling of which did not return similar values. High lead, zinc and arsenic values suggest the source is a distinct setting from the pyrrhotite skarns. This represents a viable target for further exploration, enhanced by comparatively moderate topography, for the property area.

Another area of interest is the south side of the stream bank in the Valley of the Crystals. Consistent moderately elevated gold and silver values up to 45 ppb and 1.8 g/t, respectively, and moderately to highly elevated base metal, manganese and arsenic values, in addition to variably elevated bismuth values, were returned from the southeast portion of the traverse (Figures –26 - 30). The geochemical signature is

similar to that of rock samples of pyrrhotite skarn, but differs in its elevated lead and arsenic content. Further exploration along the north flank of the ridge to the south is warranted. Of interest also are two consecutive samples returning elevated platinum and palladium values along the northeast limit of the traverse (Figure 26). These indicate a possible mafic to ultramafic horizon to the north.

Silt sampling along the "right tributary" of East Emerald Creek directly downstream of Camp Creek returned highly elevated copper values and moderately elevated values of gold, zinc, arsenic and manganese. This area also warrants further surface exploration.

9.3 SYNTHESIS

Geological mapping in 2008 defined further the boundaries of the Emerald Lake pluton (Figure 31). Pyrrhotite +/- chalcopyrite skarn talus float at the Tom Zone, Meadow Zone, Vul 1-4 claims and the Valley of the Crystals are hosted by Paleozoic calcareous sediments, and are typical of exoskarn mineralization proximal to intrusion margins. However, the strong soil and silt geochemical anomalies, particularly along lower Camp Creek and the "Left Tributary" are located in central areas of the pluton. Plotting of these anomalous values indicate the source is located within the intrusion. Endoskarn mineralization typically occurs just within the boundaries of a pluton, rather than core areas.

Therefore, these values indicate potential for a source encased within the pluton. A rafted block of Earn Group or Road River Group sediments may occur within the intrusion, and has remained undetected due to forest cover at low elevations. This unit may have absorbed hydrothermal fluids in a similar manner as the pyrrhotite skarns, although the geochemical signature, particularly high lead values, suggest a different composition of mineralizing fluids. An alternate hypothesis may be the presence of polymetallic veins. The lack of structural preparation and quartz veining within the intrusion observed to date diminishes potential for this deposit type.

Locally, high coincident copper-nickel-cobalt values from soil and silt sampling at several locations suggest potential for mineralized mafic to ultramafic units to be entrained in the pluton, and/or intruded the surrounding country rock. Although anomalous nickel concentrations up to 2,000 ppm (0.20%) commonly occur in silicate minerals in ultramafic rocks, the presence of cobalt and copper suggests a sulphide source. Elevated platinum values from soil sampling in the northeast end of the Valley of the Crystals also suggest an ultramafic source. Some potential for magmatic copper-nickel-cobalt-PGM mineralization occurs in the eastern property area.

10 CONCLUSIONS

The following conclusions may be made from results of the 2018 program.

- Sampling at the Tom Zone area failed to reproduce previous high gold values, although anomalous values to 1.008 g/t Au were returned. This may be due to material sampled, which was limited to competent talus float. High-grade gold mineralization may be confined to narrow fractures or oxidized zones that are inaccessible without specialized climbing gear.

- The Tom Zone area, and much of the property, is extremely rugged, and may not be viable to extraction even if prospective mineralization can be identified. Mineralization identified to date does not suggest significant potential for economically viable zones in the Tom Zone and Meadow Zone areas, or along most of upper East Emerald Creek.
- One area of interest outside of the Emerald Lake pluton is represented by the high base metal values along the south flank of the Valley of the Crystals. This may represent a base – precious metal-bearing skarn zone along the north flank of the ridge to the south.
- Silt sampling along a "Right Tributary" of East Emerald Creek revealed elevated gold, base metal and associated pathfinder element values, indicating potential for skarn and replacement-style mineralization within its upper watershed.
- The most prospective areas occur within the Emerald Lake pluton, particularly in core areas along the lower extents of Camp Creek and the "Left Tributary". High gold and base metal values from soil and silt sampling indicate potential for a continuous mineralized WNW trending horizon, directly south of East Emerald Creek and roughly paralleling the trend of the pluton.
- If present, mineralization within the stock may occur as a rafted block oriented along the pluton's axis. Mineralization may be skarn or replacement-style, although the geochemical signatures are distinct from those of the outlying pyrrhotite skarns. An alternate explanation may be the presence of polymetallic veins, although the lack of veining identified to date limits potential for this setting.
- Coincident anomalous copper-nickel-cobalt values from soil and silt sampling within the pluton indicate potential that rafted blocks may include mafic to ultramafic horizons hosting magmatic sulphides. This would indicate ultramafic horizons occur in Paleozoic stratigraphy outside of the pluton as well. This hypothesis is supported by the presence of elevated platinum and palladium soil geochemical values returned from the north flank of the Valley of the Crystals.

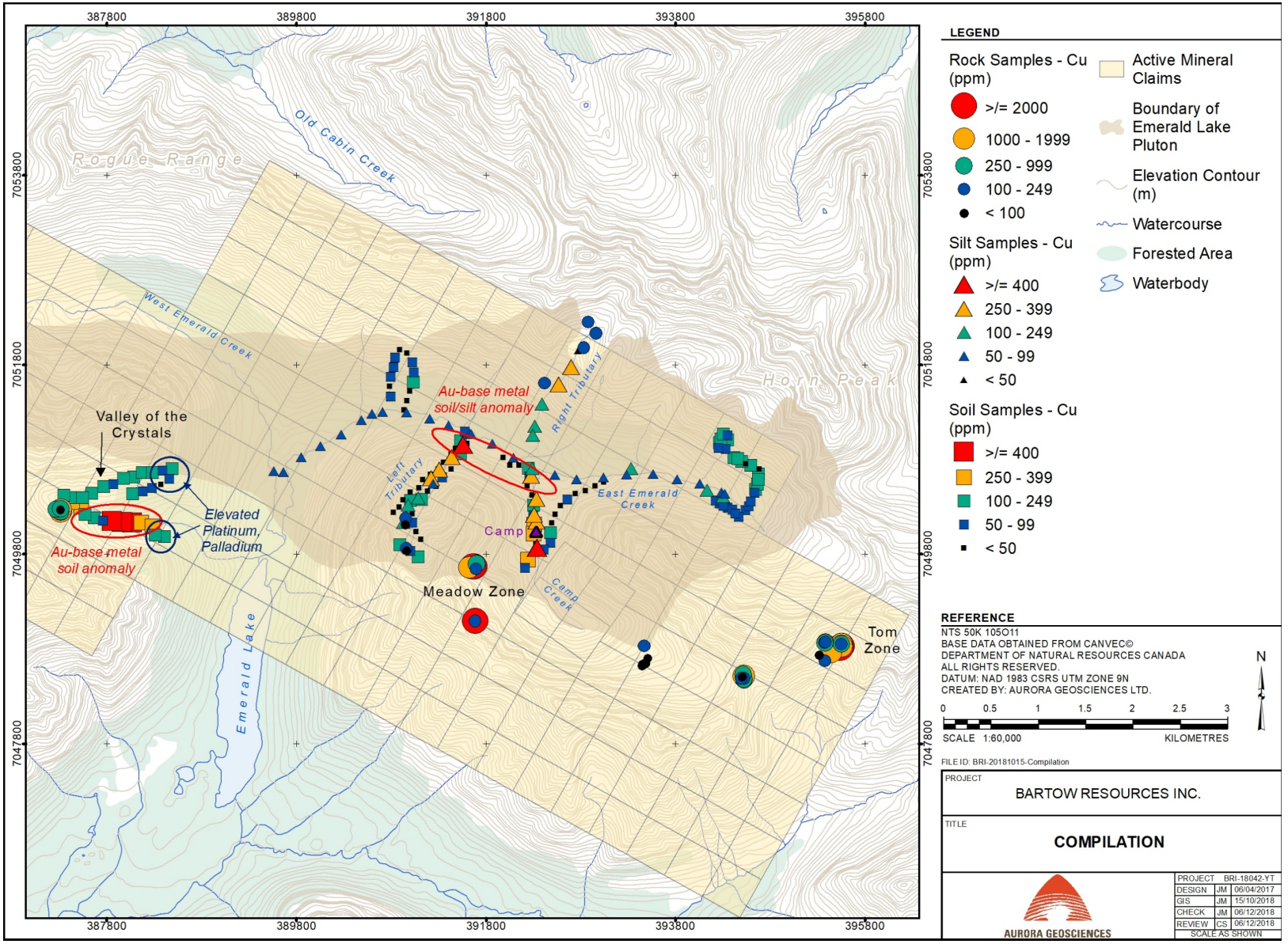

Figure 31: Compilation of 2018 geological and geochemical results

11 RECOMMENDATIONS

11.1 RECOMMENDATIONS

In 2018, only the eastern portion of the property and Valley of the Crystals area were explored. Recommendations for further exploration comprise two major facets: surface exploration, including helicopter-supported geological mapping and rock, soil and silt geochemical sampling traverses, within the western area; and more detailed exploration of the interpreted mineralized horizons along the lower portions of Camp Creek and the Left Tributary. Also recommended are helicopter-supported traverses along extreme western and southern margins of the property.

The 2019 program is recommended to be done by a four-person crew based from the same camp site as the 2018 program. The program would initially be helicopter-supported, allowing for daily set-out access to western areas. The lower Camp Creek and Left Tributary areas, and the Right Tributary, are foot-accessible from camp, allowing for the helicopter to depart camp for the latter part, returning for de-mobilization. However, it is advisable to retain the helicopter for the entire program for enhanced crew safety, although this would be at additional expense.

Traversing in western areas should be similar in methodology to 2018 traversing, comprising two-person teams of a geologist and soil sample technician. Silt sampling should be done by a two-person sampling team, to mitigate potential of bear encounters along noisy watercourses. Exploration in the Camp/ Left Tributary Creek areas should comprise grid soil sampling, where possible, and detailed geological mapping and rock sampling.

The project is recommended to take place over a 13-day duration, including mobilization and de-mobe, camp setup and one weather day. The project is recommended to commence in mid to late July, allowing the “active layer” of permafrost to extend to depth for ease of soil sampling. Weather conditions tend to worsen by mid-August; therefore, the program is recommended to be complete by August 10. Project expenses, including report writing and a 5% contingency, stand at $130,700. Expenses may be lessened slightly if the helicopter does not remain on site.

11.2 RECOMMENDED BUDGET

Job Preparation	$3,500.00
Field Program and consumables (14 days)	$46,000.00
Sample Analysis	$15,000.00
Helicopter Support	$55,000.00
Reporting	$2,000.00
Contingency (10%)	$12,150.00
Estimated Total	$133,650.00

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Yukon Mining Recorder, Energy, Mines and Resources, 2017: Website at http://www.yukonminingrecorder.ca/

APPENDIX 1

CERTIFICATE OF QUALIFICATIONS, CONSENT, DATE AND SIGNATURES

I, Carl Schulze, BSc, with business and residence addresses in Whitehorse, Yukon Territory, do hereby certify that:

1. I am a graduate of Lakehead University with a B.Sc. degree in Geology obtained in 1984.

2. I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia (registration number 25393), Association of Professional Geoscientists of Ontario (registration no. 1966) and with the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists (NAPEG, registration number L3359).

3. I have been employed in mineral exploration as a geologist since 1984, primarily on projects in the Yukon Territory, Northwest Territories, Nunavut, Alaska and British Columbia.

4. I supervised the work described in this report and wrote this report.

5. I have no interest, direct or indirect, nor do I hope to receive any interest, direct or indirect, from Bartow Resources Inc. or any of its properties.

Dated this 5th day of December, 2018 in Whitehorse, Yukon Territory.

Respectfully Submitted,

Carl Schulze

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Carl M. Schulze, BSc. P. Geo.

APPENDIX 2

STATEMENT OF 2017 EXPENDITURES

Activity	Number of Units	Cost/Unit	Cost
Wages, Project Manager	5	$ 800.00	$ 4,000.00
Wages, Crew Boss	9	$ 600.00	$ 5,400.00
Wages, Technician	9	$ 550.00	$ 4,950.00
Wages, Labourer	18	$ 450.00	$ 8,100.00
Rock Sampling	43	$ 40.00	$ 1,720.00
Soil Sampling	131	$ 34.00	$ 4,454.00
Silt Sampling	47	$ 34.00	$ 1,598.00
Helicopter support (incl. fuel)	25.4 hrs	$1,492.32	$ 37,905.20
Truck rental	9	$200.00	$ 1,800.00
Groceries, supplies	40	$40.00	$ 1,600.00
Camp rental	9	$120.00	$ 1,080.00
Hotel, meals (approx.)	3	$160.00	$ 480.00
Other support (includes fuel, field supplies)		$ 650.00	$ 650.00
Truck Fuel		$ 450.00	$ 450.00
Total Applicable Field Expenditures			**$ 74,187.20**
Maps, figures, GIS work	8	85	$ 680.00
Data Compilation, report writing, review	26	100	$ 2,600.00
	Total applicable expenditures		**$ 77,467.20**

APPENDIX 3

ROCK, SOIL AND SILT SAMPLE DESCRIPTIONS

Aurora Geosciences Ltd.

ROCK SAMPLE DESCRIPTION SHEET

Bartow Resources Ltd, 2018 Program, Emerald Lake Project
UTM Datum: NAD 83

1 = weakest, 3 = strongest

Sample No.	Easting	Northing	Elevation (m)	Zone	Sample Type	Width (m)	Sample Descrip	Formation	Lithology	Modifier	Colour	Carb. Presence	Silicification	Alteration 1	Alt 2	Other	Mineral 1	Amount (%)	Min 2	Amt (%)	Other Min	Amt (%)	Date	Sampler	Sample Descrip
618316	394519	7048516	1969	9	C Grab		Talus	OSDr	Calc seds	Bedded	brassy-tan		S1-2	CSil2		L3	Po	35	Py	3	Cpy	<1	26-Jun	CS	Talus
618317	394524	7048491	1964	9	Grab		Talus	OSDr	sandstone	med gr	tan			A2		L2	Py	tr					26-Jun	CS	Talus
618318	394524	7048488	1964	9	Grab		Talus	OSDr	Calc seds	Bedded	f. grained		S1-2	A1	Ph2-3	L2	Py	1					26-Jun	CS	Talus
1464251	395543	7048819	1944	9	Grab		Talus	OSDr	Calc. seds	Bedded	grey			CSil2		L3	Po	60	Cpy	>1		<1	27-Jul	CS	Talus
1464252	395551	7048831		9	Grab		Talus	OSDr	Calc sstone	bedded	dk brown			CSil3		L3	Po	15	Cpy	4			27-Jul	CS	Talus
1464253	395553	7048832		9	Grab		Talus	OSDr	Calc sstone	fractured	lt. grey		S2	CSil2		L2	Po	25	Cpy	3			27-Jul	CS	Talus
1464254	395379	7048673	1975	9	Grab		Talus	OSDr	Monzonite?	sheared	white-tan		S2	A2		L2	Scor	wk					27-Jul	CS	Talus
1464255	395380	7048861	1970	9	Grab		Talus	OSDr	Calc. sltstone	brecc	lt grey		S2			L3	Po	10	Cpy	tr			27-Jul	CS	Talus
1464256	395376	7048865	1972	9	SCGr		Talus	OSDr	Calc sstone	skam	grey-blue		S2			L3	Po	20	Cpy	tr			27-Jul	CS	Talus
1464257	395320	7049735	1959	9	Grab		Talus	OSDr	Calc. sltstone	fractured	grey-blue	Csil1	S2			L3	Po	15	Bor	tr	Cpy	tr	27-Jul	CS	Talus
1464258	395441	7048768	1941	9	Chip	0.40m	Ocrop	OSDr	siltstone	sheared			S2	A1		L3	Po	7	Cpy	2			27-Jul	CS	Ocrop
1464259	387311	7050271		9	Grab		Talus	OSDr	siltstone	Veined	white/black		S1-2			L2							27-Jul	CS	Talus
1464260	387311	7050271		9	Grab		Talus	OSDr	Calc sstone	skam	grey-blue		S2			L3	Po	30	Cpy	<1			27-Jul	CS	Talus
1464261	387311	7050279		9	SCGr		Talus	OSDr	Qz vein	sugary	white			A2		L2-3	Cpy	>1	Py	1			27-Jul	CS	Talus
1464262	393449	7048624	1758	9	SCGr		Moraine	OSDr	Calc. seds	brecc	buff/brown		S2			L2	Po	15					28-Jul	CS	Moraine
1464263	393480	7048640	1752	9	SCGr		Moraine	OSDr	Sandstone	brecc	white-buff		S2	C2-3		L2	Po	20					28-Jul	CS	Moraine
1464264	393483	7048643		9	SCGr		Moraine	OSDr	Sandstone	brecc	light grey	C2	S2			L1-2	Po	18					28-Jul	CS	Moraine
1464265	393512	7048701	1755	9	Grab		Moraine	OSDr	Conglomerate	brecc	blue-gry		S2			L2	Po	15					28-Jul	CS	Moraine
1464101	394524	7048476		9	C Grab		Talus. Desseminated mineralisation. Fine grained calc silicate. Minor mineralisation along fractures.	OSDr	Calcareous Siltstone	Fluid/Fractures	Fresh; Blue purple grey		Present	Calc Silicate	Oxidized		Pyrite	7	Pyrrhotite	3			27-Jul	AB	Talus. Desseminated mineralisation. Fine grained calc silicate. Minor mineralisation along fractures.
1464102	394515	7048533		9	Grab		Talus. Desseminated mineralisation. Fine grained calc silicate. Green and dark minerals present with alterion. Minor mineralisation along fracture planes.	OSDr	Calcareous Siltstone	Fluid/Fractures	Fresh; Blue purple grey		Present	Calc Silicate	Oxidized		Pyrrhotite	5	Pyrite	5			27-Jul	AB	Talus. Desseminated mineralisation. Fine grained calc silicate. Green and dark minerals present with alterion. Minor mineralisation along fracture planes.
1464103	394497	7048493		9	SCGr		Talus. Desseminated mineralisation. Fine grained calc silicate. Green and dark minerals present with alterion. Minor mineralisation along fracture planes.	OSDr	Calcareous Siltstone	Fluid/Fractures	Fresh; Blue purple grey		Present	Calc Silicate	Oxidized		Pyrrhotite	5	Pyrite	5			27-Jul	AB	Talus. Desseminated mineralisation. Fine grained calc silicate. Green and dark minerals present with alterion. Minor mineralisation along fracture planes.
1464104	394508	7048500		9	Grab		Talus. Desseminated mineralisation. Fine grained calc silicate. Green and dark minerals present where alterion took place.	OSDr	Calcareous Siltstone	Fluid/Fractures	Fresh; Blue purple grey		Present	Calc Silicate	Oxidized		Pyrrhotite	5	Pyrite	2			27-Jul	AB	Talus. Desseminated mineralisation. Fine grained calc silicate. Green and dark minerals present where alterion took place.
1464105	395551	7048851		9	C Grab		Talus. Calc silicate rock. Fine to very fine grained (<.25mm). Mineralisation present along bands of replacement alteration, emplaced through utilization of fractures. Alteration minerals epidote, wollastonite present in fractured/brecciated rock. Minor dissemated mineralisation.	OSDr	Calcareous Siltstone	Fractured	Fresh; Medium to dark blue purple grey. Green speckled dark within fractures.	Present	Present	Calc Silicate	Oxidized		Pyrite (As)	10	Pyrrhotite	3			27-Jul	AB	Talus. Calc silicate rock. Fine to very fine grained (<.25mm). Mineralisation present along bands of replacement alteration, emplaced through utilization of fractures. Alteration minerals epidote, wollastonite present in fractured/brecciated rock. Minor dissemated mineralisation.
1464106	395551	7048851		9	Grab		Talus. Calc silicate rock. Fine to very fine grained (<.25mm). Mineralisation present along bands of replacement alteration, emplaced through utilization of fractures. Alteration minerals epidote, wollastonite present in fractured/brecciated rock. Minor dissemated mineralisation.	OSDr	Calcareous Siltstone	Fractured	Fresh; Medium to dark blue purple grey. Green speckled dark within fractures.	Present	Present	Calc Silicate	Oxidized		Pyrite (As)	10	Pyrrhotite	3			27-Jul	AB	Talus. Calc silicate rock. Fine to very fine grained (<.25mm). Mineralisation present along bands of replacement alteration, emplaced through utilization of fractures. Alteration minerals epidote, wollastonite present in fractured/brecciated rock. Minor dissemated mineralisation.
1464107	395551	7048851		9	Grab		Talus. Calc silicate rock. Fine to very fine grained (<.25mm). Mineralisation present along bands of replacement alteration, emplaced through utilization of fractures. Alteration minerals epidote, wollastonite present in fractured/brecciated rock. Minor dissemated mineralisation.	OSDr	Calcareous Siltstone	Fractured	Fresh; Medium to dark blue purple grey. Green speckled dark within fractures.	Present	Present	Calc Silicate	Oxidized		Pyrite (As)	10	Pyrrhotite	3			27-Jul	AB	Talus. Calc silicate rock. Fine to very fine grained (<.25mm). Mineralisation present along bands of replacement alteration, emplaced through utilization of fractures. Alteration minerals epidote, wollastonite present in fractured/brecciated rock. Minor dissemated mineralisation.
1464108	395385	7048870		9	Grab		Talus. Calc silicte medium to fine grained rock (<.75mm). Mineralisation disseminated, rock brecciated and altered, with mineralisation following fractures in places.	OSDr	Calcareous Sand St.	Breccia	Fresh; Blue grey to cream green grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	7	Pyrite	3			27-Jul	AB	Talus. Calc silicte medium to fine grained rock (<.75mm). Mineralisation disseminated, rock brecciated and altered, with mineralisation following fractures in places.
1464109	395385	7048870		9	Grab		Talus. Calc silicte medium to fine grained rock (<.75mm). Mineralisation disseminated, rock brecciated and altered.	OSDr	Calcareous Sand St.	Fluid emplacement/ breccia	Fresh; Blue grey to cream green grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	5	Pyrite	3			27-Jul	AB	Talus. Calc silicte medium to fine grained rock (<.75mm). Mineralisation disseminated, rock brecciated and altered.
1464110	395385	7048870		9	Grab		Talus. Fine grained calc silicate. Mineralisation disseminated.	OSDr	Calcareous Siltstone	Fluid emplacement	Fresh; Light blue purple grey	Present	Present	Calc Silicate	Oxidized		Pyrite (As)	10	Pyrrhotite	5			27-Jul	AB	Talus. Fine grained calc silicate. Mineralisation disseminated.
1464111	395385	7048870		9	C Grab		Talus. Calc silicte medium to fine grained rock (<.75mm). Mineralisation disseminated, rock brecciated and altered.	OSDr	Calcareous Sand St.	Fluid emplacement/ breccia	Fresh; Blue grey to cream green grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	5	Pyrite	3			27-Jul	AB	Talus. Calc silicte medium to fine grained rock (<.75mm). Mineralisation disseminated, rock brecciated and altered.
1464112	387309	7050247		9	Grab		Talus. Calc silicate rock. Fine grained (<.5mm). Mineralisation disseminated. Calcite/Micrite present along with illite, qtz. Alteration minerals epidote, wollastonite.	OSDr	Calcareous Sand St.	Fluid emplacement	Fresh; Blue to green grey	Present	Present	Calc Silicate	Oxidized		Pyrite (As)	7	Pyrrhotite	3			27-Jul	AB	Talus. Calc silicate rock. Fine grained (<.5mm). Mineralisation disseminated. Calcite/Micrite present along with illite, qtz. Alteration minerals epidote, wollastonite.
1464113	387309	7050247		9	Grab		Talus. Calc silicate rock. Fine to very fine grained (<.25mm). Mineralisation present along bands of replacement alteration, emplaced through utilization of fractures. Minor dissemated mineralisation.	OSDr	Calcareous Siltstone	Fractured	Fresh; Medium to dark blue grey	Present	Present	Calc Silicate	Oxidized		Pyrite (As)	7	Pyrrhotite	3			27-Jul	AB	Talus. Calc silicate rock. Fine to very fine grained (<.25mm). Mineralisation present along bands of replacement alteration, emplaced through utilization of fractures. Minor dissemated mineralisation.
1464114	387309	7050247		9	C Grab		Talus. Calc silicate rock. Fine grained (<.5mm). Mineralisation disseminated and present along minor bands of replacement alteration, emplaced through utilization of fractures.	OSDr	Calcareous Sand St.	Fluid emplacement	Fresh; Blue to green grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	5	Pyrite	5			27-Jul	AB	Talus. Calc silicate rock. Fine grained (<.5mm). Mineralisation disseminated and present along minor bands of replacement alteration, emplaced through utilization of fractures.
1464115	387263	7050275		9	Grab		Talus. Calc silicate rock. Fine to very fine grained. Mineralisation present along band of replacement alteration, emplaced through utilization of fractures.	OSDr	Calcareous Siltstone	Fractured	Fresh; Medium blue grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	10	Pyrite	5			27-Jul	AB	Talus. Calc silicate rock. Fine to very fine grained. Mineralisation present along band of replacement alteration, emplaced through utilization of fractures.
1464116	393453	7048638		9	Grab	NA	Weathered surface extreamly oxidized, dark purple to mustard tan coloration. (Liminite). Fine (<.5mm) grained altered sedimentry rock. Appears to contain calcareous minerals, calcite/micrite.	OSDr	Calcareous Siltstone (Likely micritic)	Hydrothermal fluid	Fresh; Light grey blue to cream.	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	10	Pyrite	2				AB	Weathered surface extreamly oxidized, dark purple to mustard tan coloration. (Liminite). Fine (<.5mm) grained altered sedimentry rock. Appears to contain calcareous minerals, calcite/micrite.
1464117	393466	7048645		9	Specific Composite Grab	NA	Weathered surface oxidized and pitted (mygdaloidal). Coarse quartz crystals (>.5cm) present on exterior, remnants of vein. Fresh surface reveals fine to medium predominantly calcite matrix, hosting siliciclastic and calcareous pebble clasts (>4cm long axis. Siliciclastics show laminatinons. Chert also present clasts. Potential presence of clorite.	OSDr	Calcareous polymictic conglomerate	Hydrothermal fluid	Fresh; Cream, with green present and clast of purple grey coloration.	Present	Present	Calc Silicate	Cloratized	Oxidized	Pyrrhotite	15	Pyrite	1				AB	Weathered surface oxidized and pitted (mygdaloidal). Coarse quartz crystals (>.5cm) present on exterior, remnants of vein. Fresh surface reveals fine to medium predominantly calcite matrix, hosting siliciclastic and calcareous pebble clasts (>4cm long axis. Siliciclastics show laminatinons. Chert also present clasts. Potential presence of clorite.

1464118	393471	7048834		9	Grab	NA	Exterior extremely altered/oxidized. Liminite. Fine to medium grained (silt to fine sand). Calcareous component, micrite.	OSDr	Calcareous Siltstone (Likely micritic)	Hydrothermal fluid	Fresh; Pale to medium grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	8						AB	Exterior extremely altered/oxidized. Liminite. Fine to medium grained (silt to fine sand). Calcareous component, micrite.
1464119	393471	7048834		9	Composite Grab	NA	Exterior extremely altered/oxidized. Liminite. Fine to medium grained (silt to fine sand). Calcareous component, micrite.	OSDr	Calcareous Siltstone (Likely micritic)	Hydrothermal fluid	Fresh; Blue Grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	5	Calco Pyrite	5				AB	Exterior extremely altered/oxidized. Liminite. Fine to medium grained (silt to fine sand). Calcareous component, micrite.
1464120	390960	7049865		9	Grab	NA	Weathered surface extreamly oxidized, dark Iron/rust coloration. (Liminite). Fresh rock; fine grained and dark. Calcarepus mudstone (micrite). Fractured rock, with mineralogy following fractures and also present as veins. Peritite is present in both situations, identified by the steelly appearance.	OSDr	Calcareous (micritic) Mudstone	Hydrothermal fluid	Fresh; Dark chared-grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	10						AB	Weathered surface extreamly oxidized, dark Iron/rust coloration. (Liminite). Fresh rock; fine grained and dark. Calcarepus mudstone (micrite). Fractured rock, with mineralogy following fractures and also present as veins. Peritite is present in both situations, identified by the steelly appearance.
1464121	390965	7049838		9	Composite Grab	NA	Very fine grained calcareous (.25mm). Micrite dominated rock with calcite veins containing larger crystals (>.5mm). Fluid emplaced mineralogy occurs along fractures and in small sporadic abundance throughout the sample.	OSDr	Calcareous (micritic) Mudstone	Hydrothermal fluid	Fresh; Dark navy grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	3	Pyrite	3				AB	Very fine grained calcareous (.25mm). Micrite dominated rock with calcite veins containing larger crystals (>.5mm). Fluid emplaced mineralogy occurs along fractures and in small sporadic abundance throughout the sample.
1464122	390948	7050110		9	Grab	NA	Very fine grained calcareous (.25mm). Micrite dominated rock with some sparry calcite, larger crystals (>.5mm). Fluid emplaced mineralogy occurs along fractures and in small sporadic abundance throughout the sample.	OSDr	Calcareous (micritic) Mudstone	Hydrothermal fluid	Fresh; Dark to light blue grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	4	Pyrite	2				AB	Very fine grained calcareous (.25mm). Micrite dominated rock with some sparry calcite, larger crystals (>.5mm). Fluid emplaced mineralogy occurs along fractures and in small sporadic abundance throughout the sample.
1464123	390956	7050185		9	Grab	NA	Fine grained calceous/siliceous rock. Micrite and calcite present along with feldspar. Mineralisation is focused in friable fluid precipitated vein of tan coloration.	OSDr	Calcaeous Siltstone	Hydrothermal fluid	Fresh; Buff brown to light blue grey, vein of tan mustard.	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	5	Pyrite	3				AB	Fine grained calceous/siliceous rock. Micrite and calcite present along with feldspar. Mineralisation is focused in friable fluid precipitated vein of tan coloration.
1464124	392960	7052136		9	Composite Grab	NA	Fine to medium grain. Contains creamy calcite with fine grains of silicicalstics (feldspar and quartz). Mineralisation is present along fractures and as veins through the host. Some mineralogy is interspersed.	OSDr	Calcareous fine sandstone	Hydrothermal fluid	Weathered; Purple to brown tan. Fresh; Purple Grey - Green Grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	10						AB	Fine to medium grain. Contains creamy calcite with fine grains of silicicalstics (feldspar and quartz). Mineralisation is present along fractures and as veins through the host. Some mineralogy is interspersed.
1464125	392881	7052249		9	Grab	NA	Very fine (0.25mm) grained calcareous mudstone. Mineralogy localized where the rock is fractured and along bedding planes.	OSDr	Calcareous (micritic) Mudstone	Hydrothermal fluid	Fresh; Dark navy grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	5						AB	Very fine (0.25mm) grained calcareous mudstone. Mineralogy localized where the rock is fractured and along bedding planes.
1464126	392832	7051981		9	Grab	NA	Fine to medium grain. Contains creamy calcite with fine grains of silicicalstics (feldspar and quartz). Mineralisation is present along fractures and as veins through the host. Rare mineralogy is interspersed.	OSDr	Calcaeous Siltstone	Hydrothermal fluid	Fresh; Light blue, purple cream grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	6						AB	Fine to medium grain. Contains creamy calcite with fine grains of silicicalstics (feldspar and quartz). Mineralisation is present along fractures and as veins through the host. Rare mineralogy is interspersed.
1464127	392418	7051604		9	Grab	NA	Fine to medium grained. Contains creamy calcite with fine grains of silicicalstics (feldspar and quartz). Mineralisation is present along fractures and as veins through the host. Perimiter of clast contains the highest percentage of minerals. Rare mineralogy is interspersed.	OSDr	Calcaeous Siltstone	Hydrothermal fluid	Fresh; light blue grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	6	Pyrite	1				AB	Fine to medium grained. Contains creamy calcite with fine grains of silicicalstics (feldspar and quartz). Mineralisation is present along fractures and as veins through the host. Perimiter of clast contains the highest percentage of minerals. Rare mineralogy is interspersed.
1464128	391694	7049647		9	Grab	NA	Fine (0.25mm) grained calcareous mudstone. Mineralogy predominantly localized where the rock is fractured. Small massive style mineralisation.	OSDr	Calcaeous Mudstone	Hydrothermal fluid	Fresh; Light blue grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	6	Pyrite	2				AB	Fine (0.25mm) grained calcareous mudstone. Mineralogy predominantly localized where the rock is fractured. Small massive style mineralisation.
1464129	391700	7049703		9	Grab	NA	Fine (0.25mm) grained calcareous mudstone. Mineralogy predominantly localized where the rock is fractured. Small massive style mineralisation.	OSDr	Calcaeous Mudstone	Hydrothermal fluid	Fresh; Light blue grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	8	Pyrite	2				AB	Fine (0.25mm) grained calcareous mudstone. Mineralogy predominantly localized where the rock is fractured. Small massive style mineralisation.
1464130	391687	7049094		9	Grab	NA	Fine (0.25mm) grained calcareous mudstone. Mineralogy predominantly localized where the rock is fractured. Small massive style mineralisation.	OSDr	Calcaeous Mudstone	Hydrothermal fluid	Fresh; Light blue grey	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	10	Pyrite	2				AB	Fine (0.25mm) grained calcareous mudstone. Mineralogy predominantly localized where the rock is fractured. Small massive style mineralisation.
1464131	391687	7049094		9	Grab	NA	Fine to medium grained. Calc silicate rock containing calcite. Mineralisation present as massive pyrrhotite.	OSDr	Calcaeous Siltstone	Hydrothermal fluid	Fresh; Light blue to green, with cream throughout	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	10	Pyrite	4				AB	Fine to medium grained. Calc silicate rock containing calcite. Mineralisation present as massive peritite.
1464132	391676	7049671		9	Grab	NA	Fine to medium grained. Calc silicate rock containing calcite. Mineralisation present as massive peritite.	OSDr	Calcaeous Siltstone	Hydrothermal fluid	Fresh; Light blue to green, with cream throughout	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	10	Pyrite	4				AB	Fine to medium grained. Calc silicate rock containing calcite. Mineralisation present as massive peritite.
1464133	391662	7049672		9	Grab	NA	Fine to medium grained. Calc silicate rock containing calcite. Mineralisation present as massive peritite.	OSDr	Calcaeous Siltstone	Hydrothermal fluid	Fresh; Light blue to green, with cream throughout	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	10	Pyrite	4				AB	Fine to medium grained. Calc silicate rock containing calcite. Mineralisation present as massive peritite.
1464134	391625	7049660		9	Grab	NA	Fine to medium grained. Calc silicate rock containing calcite. Mineralisation present as massive peritite.	OSDr	Calcaeous Siltstone	Hydrothermal fluid	Fresh; Light blue to green, with cream throughout	Present	Present	Calc Silicate	Oxidized		Pyrrhotite	10	Pyrite	4				AB	Fine to medium grained. Calc silicate rock containing calcite. Mineralisation present as massive peritite.

Aurora Geosciences Ltd.

SOIL SAMPLE DESCRIPTION SHEET

Bartow Resources Ltd, 2018 Program, Emerald Lake Project

UTM Datum: NAD 83

Sample No.	Easting	Northing	Traverse (Station)	Description	Depth	Horizon	Depth in Horizon	Colour	% Organics	% Angular Rock	% Gravel	% Sand	% Silt	% Clay	Parent Material	Moisture Cont	Vegetation	Topo Position	Date	Sampler
1464001	394227	7050367	Track 20180726_01		10-20	B	2-5	Dark brown	0	15	35	15	20	15	Till	Moist	Alpine	Mid slope	2018-07-27	MW
1464002	394269	7050337	Track 20180726_01	MW_L01_S02	20-30	B/C	2-5	Light brown	0	10	35	25	20	10	Till	Moist	Alpine	Mid slope	2018-07-27	MW
1464003	394308	7050313	Track 20180726_01	MW_L01_S03	10-20	B	5-10	Light brown	5	25	25	15	25	5	Till	Moist	Alpine	Mid slope	2018-07-27	MW
1464004	394354	7050290	Track 20180726_01	MW_L01_S04	0-10	B	2-5	Dark brown	0	15	35	15	20	15	Till	Moist	Alpine	Valley bottom	2018-07-27	MW
1464005	394403	7050269	Track 20180726_01	MW_L01_S05	10-20	B	2-5	Dark brown	15	15	35	10	20	5	Till	Moist	Alpine	Valley bottom	2018-07-27	MW
1464006	394434	7050228	Track 20180726_01	MW_L01_S06	0-10	B	2-5	Dark brown	5	15	35	10	15	20	Till	Moist	Alpine	Valley bottom	2018-07-27	MW
1464007	394434	7050228	Track 20180726_01	MW_L01_S07	0-10	B	2-5	Dark brown	5	20	25	10	20	20	Till	Moist	Alpine	Valley bottom	2018-07-27	MW
1464008	394471	7050193	Track 20180726_01	MW_L01_S08	0-10	B	2-5	Dark grey	5	25	35	10	5	20	Till	Moist	Alpine	Valley bottom	2018-07-27	MW
1464009	394543	7050266	Track 20180726_01	MW_L01_S09	0-10	B	2-5	Dark brown	0	15	35	20	10	20	Till	Moist	Alpine	Valley bottom	2018-07-27	MW
1464010	394576	7050304	Track 20180726_01	MW_L01_S10	0-10	B/C	2-5	Light brown	0	5	35	20	20	20	Till	Moist	Alpine	Valley bottom	2018-07-27	MW
1464011	394597	7050356	Track 20180726_01	MW_L01_S11	0-10	B/C	2-5	Light brown	0	15	25	40	15	5	Till	Moist	Alpine	Valley bottom	2018-07-27	MW
1464012			Track 20180726_01	MW_L01_S12	0-10	B	2-5	Light brown	5	25	10	30	15	15	Till	Moist	Alpine	Valley bottom	2018-07-27	MW
1464013	394638	7050448	Track 20180726_01	MW_L01_S13	0-10	A/B	2-5	Light brown	10	25	35	10	10	10	Till	Moist	Alpine	Valley bottom	2018-07-27	MW
1464014	394650	7050484	Track 20180726_01	MW_L01_S14	0-10	B	2-5	Dark brown	5	10	10	10	30	35	Till	Moist	Alpine	Valley bottom	2018-07-27	MW
1464015	394668	7050539	Track 20180726_01	MW_L01_S15	0-10	A/B	2-5	Light brown	15	25	30	10	10	10	Weathered bedrock	Moist	Alpine	Mid slope	2018-07-27	MW
1464016	394679	7050588	Track 20180726_01	MW_L01_S16	0-10	B	2-5	Dark brown	5	10	15	10	40	20	Weathered bedrock	Dry	Alpine	Mid slope	2018-07-27	MW
1464017	394677	7050645	Track 20180726_01	MW_L01_S17	0-10	B	2-5	Dark brown	10	10	40	10	25	5	Weathered bedrock	Dry	Alpine	Mid slope	2018-07-27	MW
1464018	394690	7050696	Track 20180726_01	MW_L01_S18	0-10	B	5-10	Dark brown	5	10	10	30	30	15	Weathered bedrock	Dry	Alpine	Mid slope	2018-07-27	MW
1464019	394683	7050717	Track 20180726_01	MW_L01_S19	0-10	B	2-5	Light brown	10	10	10	15	40	45	Weathered bedrock	Moist	Alpine	Mid slope	2018-07-27	MW
1464020	394598	7050738	Track 20180726_01	MW_L01_S20	0-10	A/B	2-5	Dark brown	10	10	40	5	20	15	Weathered bedrock	Moist	Alpine	Mid slope	2018-07-27	MW
1464021	394549	7050754	Track 20180726_01	MW_L01_S21	10-20	A/B	5-10	Light brown	25	10	10	10	40	5	Weathered bedrock	Dry	Alpine	Mid slope	2018-07-27	MW
1464022	394500	7050780	Track 20180726_01	MW_L01_S22	0-10	A/B	2-5	Light brown	30	10	20	10	20	10	Weathered bedrock	Moist	Alpine	Mid slope	2018-07-27	MW
1464023	394461	7050809	Track 20180726_01	MW_L01_S23	0-10	A/B	2-5	Light brown	25	25	25	15	10	0	Weathered bedrock	Moist	Alpine	Mid slope	2018-07-27	MW
1464024	394421	7050820	Track 20180726_01	MW_L01_S24	0-10	B	2-5	Dark brown	10	10	20	20	30	10	Weathered bedrock/Till	Moist	Alpine	Mid slope	2018-07-27	MW
1464025	394334	7050909	Track 20180726_01	MW_L01_S25	20-30	B/C	2-5	Light brown	0	5	45	10	20	20	Till	Moist	Alpine	Mid slope	2018-07-27	MW
1464026	394310	7050962	Track 20180726_01	MW_L01_S26	10-20	B	2-5	Dark brown	5	15	25	10	35	10	Till	Moist	Alpine	Mid slope	2018-07-27	MW
1464027	394354	7051007	Track 20180726_01	MW_L01_S27	10-20	B	2-5	Light brown	10	30	10	25	25	0	Till	Dry	Alpine	Mid slope	2018-07-27	MW
1464028	394351	7051050	Track 20180726_01	MW_L01_S28	0-10	B	2-5	Light brown	10	30	20	20	20	0	Till	Moist	Alpine	Ridge top	2018-07-27	MW
1464029	394306	7051066			10-20	B	2-5	Light brown	10	10	20	20	30	10	Till	Moist	Alpine	Ridge Top	2018-07-28	MW
1464030	394280	7051015			10-20	B/C	5-10	Dark brown	5	15	15	15	30	20	Till	Moist	Alpine	Mid slope	2018-07-28	MW
1464031	394265	7050974			10-20	B/C	2-5	Light brown	5	15	25	15	30	10	Till	Moist	Alpine	Mid slope	2018-07-28	MW
1464032	394256	7050920			10-20	B	2-5	Dark brown	5	15	15	20	35	10	Till	Moist	Alpine	Mid slope	2018-07-28	MW
1464047	391581	7051091		MW_L05_S1	10-20	B	5-10	Dark brown	15	0	10	20	30	35	Till	Moist	Deciduous forest	Valley bottom	2018-07-31	MW
1464048	391535	7050995		MW_L05_S2	10-20	B	5-10	Light brown	20	10	40	10	20	0	Till	Dry	Buck bush	Mid slope	2018-07-31	MW
1464049	391481	7050915		MW_L05_S3	0-10	B	5-10	Light brown	10	15	30	10	30	5	Weathered bedrock	Dry	Buck bush	Mid slope	2018-07-31	MW
1464050	391437	7050855		MW_L05_S4	10-20	B	2-5	Light brown	10	5	15	30	35	5	Till	Dry	Buck bush	Mid slope	2018-07-31	MW
1464051	391354	7050768		MW_L05_S5	10-20	B	5-10	Light brown	10	5	25	10	45	5	Weathered bedrock	Dry	Buck bush	Mid slope	2018-07-31	MW
1464052	391299	7050698		MW_L05_S6	10-20	B	2-5	Dark brown	5	0	10	10	35	40	Weathered bedrock	Moist	Alpine	Bench	2018-07-31	MW
1464053	391217	7050643		MW_L05_S7	0-10	B/C	5-10	Light brown	5	0	20	15	40	20	Weathered bedrock	Moist	Alpine	Bench	2018-07-31	MW
1464054	391137	7050585		MW_L05_S8	10-20	B	5-10	Light brown	5	0	15	10	40	30	Weathered bedrock	Moist	Alpine	Bench	2018-07-31	MW
1464055	391098	7050496		MW_L05_S9	10-20	B	5-10	Light brown	5	0	20	10	45	20	Weathered bedrock	Moist	Alpine	Bench	2018-07-31	MW
1464056	391005	7050453		MW_L05_S10	10-20	B	5-10	Dark brown	5	0	5	10	30	50	Weathered bedrock	Moist	Alpine	Bench	2018-07-31	MW
1464057	390928	7050371		MW_L05_S11	10-20	B	2-5	Light brown	10	0	35	15	30	10	Weathered bedrock	Moist	Alpine	Bench	2018-07-31	MW
1464058	390889	7050295		MW_L05_S12	0-10	B/C	1-2	Light brown	10	0	0	10	40	40	Weathered bedrock	Moist	Alpine	Bench	2018-07-31	MW
1464059	390827	7050237		MW_L05_S13	10-20	B/C	5-10	Light brown	0	5	25	10	50	10	Weathered bedrock	Dry	Alpine	Mid slope	2018-07-31	MW
1464301	388410	7049983			20-30	C	20-25	Dark Brown	2	0	38	30	20	10	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464302	388314	7049998			30-40	C	20-25	Dark Brown	2	0	60	20	10	8	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464303	388284	7050093			30-40	C	10-15	Greenish Grey	2	0	13	15	30	40	Talus	Wet	Alpine	Mid slope	27-Jul	MW
1464304	388166	7050132			30-40	C	20-25	Dark Brown	0	0	0	30	50	20	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464305	388066	7050131			20-30	C	10-15	Dark Brown	0	0	40	10	25	25	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464306	387963	7050138			20-30	C	10-15	Dark Brown	0	0	40	10	20	30	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464307	387854	7050146			20-30	C	20-25	Dark Brown	0	0	40	20	10	30	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464308	387759	7050151			30-40	C	15-20	Dark Brown	0	0	5	25	25	45	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464309	387668	7050181			20-30	C	20-25	Dark Grey	0	0	30	20	30	20	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464310	387568	7050221			20-30	C	10-15	Dark Grey	2	0	28	20	40	10	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464311	387530	7050298			30-40	C	20-25	Dark Brown	0	0	20	30	20	30	Talus	Wet	Alpine	Mid slope	27-Jul	MW
1464312	387432	7050353			20-30	C	10-15	Dark Brown	2	0	0	18	40	40	Talus	Wet	Alpine	Mid slope	27-Jul	MW
1464313	387339	7050315			30-40	C	<1	Light Grey	0	40	60	0	0	0	Talus	Dry	Alpine	Mid slope	27-Jul	MW
1464314	387347	7050422			30-40	B	5-10		0	0	10	20	40	30	Talus	Moist	Alpine	Mid slope	27-Jul	MW

1464315	387440	7050399			30-40	B/C	10-15	Light Brown	0	0	10	20	45	25	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464316	387545	7050399			30-40	C	5-10	Light Grey	0	0	10	40	35	15	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464317	387641	7050441			20-30	B/C	10-15	Light Brown	2	0	0	10	68	20	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464318	387770	7050515			30-40	B/C	15-20	Dark Brown	2	0	10	20	40	28	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464319	387870	7050541			40-50	C	2-5	Greenish Grey	0	0	5	25	50	20	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464320	387975	7050602			20-30	C	5-10	Greenish Grey	0	0	10	30	30	30	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464321	388084	7050616			50-60	B/C	>30	Dark Brown	2	0	0	0	18	80	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464322	388177	7050659			20-30	B/C	10-15	Dark Brown	0	0	20	25	35	20	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464323	388281	7050661			20-30	B/C	10-15	Dark Brown	0	0	0	20	40	40	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464324	388387	7050680			10-20	B/C	10-15	Dark Brown	0	0	10	20	40	30	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464325	388489	7050703			20-30	B/C	10-15	Dark Brown	0	0	0	30	35	35	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464326	388460	7050594			20-30	B/C	5-10	Dark Brown	2	0	0	18	50	30	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464327	388375	7050533			30-40	C	10-15	Dark Brown	0	0	10	50	30	10	Talus	Moist	Alpine	Mid slope	27-Jul	MW
1464328	388277	7050496			30-40	B/C	10-15	Dark Brown	0	0	10	20	45	25	Talus	Moist	Evergreen Forest	Mid slope	27-Jul	MW
1464329	388181	7050465			30-40	B/C	10-15	Dark Brown	0	0	10	20	40	30	Talus	Moist	Evergreen Forest	Mid slope	27-Jul	MW
1464330	388075	7050436			20-30	B/C	10-15	Dark Brown	0	0	10	30	40	20	Talus	Moist	Evergreen Forest	Mid slope	27-Jul	MW
1464331	390941	7051322			30-40	B/C	15-20	Light Brown	2	0	40	18	20	20	Talus	Moist	Evergreen Forest	Mid Slope	31-Jul	GS
1464332	390969	7051420			20-30	B/C	5-10	Dark Grey	2	0	0	8	30	60	Talus	Moist	Evergreen Forest	Mid Slope	31-Jul	GS
1464333	390999	7051519			20-30	B/C		Light Brown	2	0	40	20	18	20	Talus	Moist	Evergreen Forest	Mid Slope	31-Jul	GS
1464334	391034	7051615			40-50	B/C	>30	Light Brown	2	0	50	18	30	0	Talus	Dry	Buck Brush	Mid Slope	31-Jul	GS
1464335	391042	7051718			10-20	B/C	10-15	Dark Brown	5	5	60	0	30	0	Talus	Moist	Buck Brush	Mid Slope	31-Jul	GS
1464336	391026	7051826			20-30	B	20-25	Dark Brown	5	0	30	5	60	0	Talus	Dry	Alpine	Mid Slope	31-Jul	GS
1464337	390969	7051919			30-40	C	15-20	Light Brown	0	0	30	30	10	30	Talus	Moist	Evergreen Forest	Mid Slope	31-Jul	GS
1464351	390895	7051959			40-50	C	15-20	Dark Brown	0	0	15	25	5	45	Talus	Moist	Evergreen Forest	Mid Slope	31-Jul	GS
1464352	390840	7051876			20-30	B/C	15-20	Light Brown	2	0	40	20	18	20	Talus	Moist	Buck bush	Mid Slope	31-Jul	GS
1464353	390825	7051774			30-40	B	>30	Light Brown	5	0	15	20	30	30	Talus	Moist	Buck bush	Mid Slope	31-Jul	GS
1464354	390799	7051673			20-30	B	20-25	Light Brown	5	0	10	20	35	30	Talus	Dry	Evergreen Forest	Mid Slope	31-Jul	GS
1464355	390787	7051571			30-40	C	10-15	Light Brown	0	0	20	40	10	30	Talus	Moist	Evergreen Forest	Mid Slope	31-Jul	GS
1464356	390796	7051465			20-30	B	20-25	Light Brown	5	0	0	10	45	40	Talus	Moist	Evergreen Forest	Mid Slope	31-Jul	GS
1464401	392212	7049654	20180726_01		20-30	B	20-25	Light brown	0	0	30	30	40	0	Talus	Moist	Alpine	Mid slope	26-Jul	TS
1464402	392244	7049739	20180726_01		30-40	B	15-20	Dark brown	2	0	8	20	35	35	Talus	Moist	Alpine	Mid slope	26-Jul	TS
1464403	392303	7049812	20180726_01		20-30	B/C	20-25	Light brown	0	0	30	35	25	10	Talus	Moist	Alpine	Mid slope	26-Jul	TS
1464404	392332	7049909	20180726_01		20-30	C	10-15	Light brown	0	0	45	40	15	0	Talus	Moist	Alpine	Mid slope	26-Jul	TS
1464405	392306	7050015	20180726_01		20-30	B	20-25	Dark brown	2	0	3	10	85	0	Talus	Wet	Alpine	Mid slope	26-Jul	TS
1464406	392312	7050114	20180726_01		20-30	B	5-10	Light brown	2	0	0	8	20	70	Talus	Wet	Alpine	Mid slope	26-Jul	TS
1464407	392302	7050210	20180726_01		45-50	C	10-15	Dark brown	0	0	20	65	10	5	Talus	Wet	Alpine	Mid slope	26-Jul	TS
1464408	392306	7050318	20180726_01		20-30	B	20-25	Dark brown	2	0	40	30	20	8	Talus	Moist	Evergreen forest	Mid slope	26-Jul	TS
1464409	392293	7050420	20180726_01		20-30	C	20-25	Dark brown	0	0	20	40	10	30	Talus	Moist	Evergreen forest	Mid slope	26-Jul	TS
1464410	392240	7050517	20180726_01		30-40	C	20-25	Light Grey	0	0	20	50	10	20	Talus	Moist	Evergreen forest	Mid slope	26-Jul	TS
1464411	392262	7050622	20180726_01		20-30	B	20-25	Dark brown	0	0	0	10	20	70	Talus	Moist	Evergreen forest	Mid slope	26-Jul	TS
1464412	392249	7050708	20180726_01		20-30	B/C	10-15	Dark brown	0	0	10	40	30	20	Talus	Moist	Evergreen forest	Mid slope	26-Jul	TS
1464413	392155	7050735	20180726_01		20-30	B	15-20	Dark brown	0	0	10	85	5	0	Talus	Moist	Evergreen forest	Mid slope	26-Jul	TS
1464414	392055	7050738	20180726_01		30-40	C	10-15	Light brown	0	0	10	20	35	35	Talus	Moist	Evergreen forest	Mid slope	26-Jul	TS
1464415	391984	7050818	20180726_01		30-40	C	20-25	Light brown	2	0	0	3	5	90	Talus	Moist	Evergreen forest	Mid slope	26-Jul	TS
1464434	391603	7050964	20180729_01		30-40	B/C	5-10	Dark Brown	2	0	48	30	20	10	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464435	391534	7050861	20180729_01		20-30	B/C	5-10	Light brown	2	0	8	40	25	25	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464436	391470	7050785	20180729_01		20-30	B	10-15	Light brown	0	0	0	40	40	20	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464437	391436	7050697	20180729_01		20-30	C	5-10	Dark Brown	0	0	10	40	35	15	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464438	391338	7050608	20180729_01		20-30	B/C	2-5	Dark Brown	0	0	10	50	30	10	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464439	391277	7050513	20180729_01		10-20	A/B	1-2	Dark Brown	5	0	0	5	20	70	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464440	391190	7050461	20180729_01		20-30	C	2-5	Light brown	0	0	0	40	40	20	Talus	Moist	Alpine	Bench	29-Jul	TS
1464441	391121	7050379	20180729_01		30-40	B/C	5-10	Light brown	0	0	0	20	20	60	Talus	Wet	Alpine	Bench	29-Jul	TS
1464442	391006	7050367	20180729_01		20-30	B/C	10-15	Light brown	0	0	0	10	70	20	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464443	391026	7050133	20180729_01		10-20	B/C	1-2	Light brown	0	0	20	20	10	0	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464444	391027	7050224	20180729_01		20-30	B/C	10-15	Light brown	0	0	0	10	40	50	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464445	391064	7050038	20180729_01		20-30	C	5-10	Dark grey	0	0	15	55	20	10	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464446	391116	7049955	20180729_01		20-30	B/C	5-10	Dark Brown	0	0	10	60	20	10	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464447	391086	7049774	20180729_01		10-20	B/C	1-2	Dark Brown	0	0	20	60	15	5	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464448	391006	7049833	20180729_01		10-20	B/C	1-2	Light brown	0	0	40	50	10	0	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464449	390892	7049899	20180729_01		20-30	B/C	5-10	Light brown	0	0	20	60	15	5	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464450	390863	7040028	20180729_01		20-30	A/B	5-10	Dark Brown	2	0	18	30	20	30	Talus	Moist	Alpine	Mid slope	29-Jul	TS
1464453	392414	7049848	20180731-02		20-30	C	5-10	Light brown	0	0	0	15	45	40	Talus	Moist	Alpine	Mid slope	31-Jul	TS
1464454	392484	7049919	20180731-02		20-30	C	5-10	Light brown	0	0	10	20	35	35	Talus	Moist	Alpine	Mid slope	31-Jul	TS
1464455	392483	7050028	20180731-02		20-30	C	5-10	Light brown	0	0	10	40	40	10	Talus	Moist	Alpine	Mid slope	31-Jul	TS
1464456	392497	7050127	20180731-02		10-20	B/C	2-5	Light brown	0	0	5	15	30	50	Talus	Moist	Alpine	Mid slope	31-Jul	TS
1464457	392535	7050217	20180731-02		40-50	C	5-10	Light brown	0	0	5	5	70	20	Talus	Moist	Alpine	Mid slope	31-Jul	TS
1464458	392589	7050308	20180731-02		10-20	C	2-5	Light brown	2	0	8	20	40	30	Talus	Moist	Alpine	Mid slope	31-Jul	TS

1464459	392661	7050375	20180731-02		10-20	C	2-5	Dark brown	0	0	10	30	30	30	Talus	Moist	Alpine	Mid slope	31-Jul	TS
1464460	392747	7050436	20180731-02		30-40	B/C	5-10	Light brown	0	0	5	25	50	20	Talus	Moist	Alpine	Mid slope	31-Jul	TS
1464461	392852	7050469	20180731-02		0-10	A/B	2-5	Dark brown	2	0	0	0	18	80	Talus	Moist	Alpine	Mid slope	31-Jul	TS
1464462	392955	7050519	20180731-02		20-30	B/C	2-5	Light brown	0	0	15	45	30	10	Talus	Moist	Alpine	Mid slope	31-Jul	TS
1464463	393047	7050560	20180731-02		20-30	B/C	5-10	Light brown	0	0	0	40	40	20	Talus	Moist	Alpine	Mid slope	31-Jul	TS

Aurora Geosciences Ltd.

SILT SAMPLE DESCRIPTION SHEET

Bartow Resources Ltd, 2018 Program, Emerald Lake Project
UTM Datum: NAD 83

Sample No.	Easting UTM	Northing UTM	Traverse	% Fines	Colour	Stream Grade	Stream Width (m)	Date	Sampler	Comments
1464338	392338	7050380	20180730-01	50	L. Brown	Medium	4	30-Jul	GS/ TS	Fast current, sparse silt beds
1464339	392282	7050625	20180730-01	60	L. Brown	Medium	4	30-Jul	GS/ TS	Not a good silt location
1464340	389560	7050678	20180730-01	90	L. Brown	Medium	4	30-Jul	GS/ TS	
1464341	389665	7050667	20180730-01	80	L. Brown	Gentle	15	30-Jul	GS/ TS	
1464342	389850	7050823	20180730-01	60	L. Brown	Medium	6	30-Jul	GS/ TS	
1464343	390055	7050942	20180730-01	70	L. Brown	Medium	6	30-Jul	GS/ TS	
1464344	390275	7051061	20180730-01	75	L. Brown	Medium	4	30-Jul	GS/ TS	
1464345	390489	7051214	20180730-01	60	L. Brown	Medium	5	30-Jul	GS/ TS	
1464346	390600	7051283	20180730-01	75	L. Brown	Medium	3	30-Jul	GS/ TS	
1464347	390711	7051299	20180730-01	85	L. Brown	Medium	5	30-Jul	GS/ TS	
1464348	390965	7051296	20180730-01	80	L. Brown	Medium	6	30-Jul	GS/ TS	
1464349	391206	7051231	20180730-01	90	L. Brown	Medium	4	30-Jul	GS/ TS	
1464350	391408	7051161	20180730-01	90	L. Brown	Medium	5	30-Jul	GS/ TS	
1464033	391561	7050954		65	D. Brown	Steep	4	29-Jul	GS/ TS	Low flow stream, organics
1464034	391444	7050822		75	D. Brown	Steep	7	29-Jul	GS/ TS	
1464035	391221	7050602		75	D. Brown	Medium	3	29-Jul	GS/ TS	
1464036	391087	7050393		100	L. Brown	Gentle	4	29-Jul	GS/ TS	
1464037	390930	7050133		100	L. Brown	Gentle	1	29-Jul	GS/ TS	
1464038	390979	7050315		100	L. Brown	Gentle	2	29-Jul	GS/ TS	
1464039	391246	7050545		100	L. Brown	Gentle	3	29-Jul	GS/ TS	
1464040	391311	7050692		90	L. Brown	Medium	4	29-Jul	GS/ TS	
1464041	392315	7051148		65	L. Brown	Medium	2	30-Jul	MW	Poor sampling site
1464042	392394	7051384		55	L. Brown	Medium	5	30-Jul	MW	Poor sampling site
1464043	392572	7051593		60	L. Brown	Medium	4	30-Jul	MW	Poor sampling site
1464044	392704	7051772		95	L. Brown	Medium	3	30-Jul	MW	Good sampling site
1464045	392771	7051945		96	L. Brown	Gentle	3	30-Jul	MW	Good sampling site
1464046	392297	7051053		65	L. Brown	Gentle	5	30-Jul	MW	Poor sampling site
1464416	394324	7050436	20180728-01	90	L. Brown	Medium	3	2018-07-28	T.S.	Good quaility sample
1464417	394303	7050408	20180728-01	85	L. Brown	Medium	2.5	2018-07-28	M.W.	Good quaility sample
1464418	394287	7050453	20180728-01	100	L. Grey	Medium	5	2018-07-28	M.W.	Brilliant sampling
1464419	394133	7050471	20180728-01	100	L. Grey	Medium	2	2018-07-28	M.W.	
1464420	394059	7050545	20180728-01	95	L. Grey	Medium	8	2018-07-28	M.W.	
1464421	393820	7050589	20180728-01	100	L. Grey	Low	12	2018-07-28	M.W.	
1464422	393564	7050644	20180728-01	100	L. Grey	Medium	9	2018-07-28	M.W.	
1464423	393285	7050643	20180728-01	100	L. Grey	Medium	9	2018-07-28	M.W.	
1464424	393334	7050701	20180728-01	40	L. Brown	Medium	4	2018-07-28	M.W.	Poor sampling
1464425	393041	7050611	20180728-01	95	L. Grey	Medium	8	2018-07-28	M.W.	
1464426	392757	7050590	20180728-01	100	L. Grey	Medium	8	2018-07-28	M.W.	
1464427	392531	7050638	20180728-01	90	L. Grey	Medium	8	2018-07-28	M.W.	
1464428	392309	7050212	20180728-01	70	L. Grey	Medium	10	2018-07-28	M.W.	
1464429	392290	7050701	20180728-01	80	L. Brown	Medium	6	2018-07-28	T.S.	
1464430	392090	7050817	20180728-01	90	L. Brown	Medium	5	2018-07-28	T.S.	
1464431	391869	7050966	20180728-01	80	L. Grey	Medium	5	2018-07-28	T.S.	
1464432	391632	7051073	20180728-01	90	L. Grey	Medium	6	2018-07-28	T.S.	
1464433	391646	7051070	20180728-01					28-Jul	MW	
1464451	392336	7050144	20180731-01	100	L. Brown	Medium	11	31-Jul	TS	
1464552	392339	7049869	20180731-01	100	L. Brown	Medium	5	31-Jul	TS	

APPENDIX 4

ORIGINAL 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: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Submitted By: Carl Schulze
Receiving Lab: Canada-Whitehorse
Received: July 30, 2018
Report Date: September 10, 2018
Page: 1 of 3

CERTIFICATE OF ANALYSIS WHI18000491.1

CLIENT JOB INFORMATION

Project: Emerald Lake
Shipment ID:
P.O. Number
Number of Samples: 32

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 60 days Invoice for Storage

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
PRP70-250	32	Crush, split and pulverize 250 g rock to 200 mesh			WHI
PULSW	32	Extra Wash with Silica between each sample			VAN
FA350	32	50g lead collection fire assay analysis by ICP	50	Completed	VAN
EN002	32	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	32	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	32	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

Invoice To: Aurora Geosciences Ltd. (Whitehorse)
34A Laberge Road
Whitehorse Yukon Y1A 5Y9
Canada

CC: Daniel Huang

JEFFREY CANNON
Geochemistry Department Supervisor

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: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 10, 2018

CERTIFICATE OF ANALYSIS WHI18000491.1

	Method	WGHT	FA350	FA350	FA350	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1
618316	Rock	1.53	371	4	5	2	1714	25	45	1.2	50	145	174	28.49	<2	<2	14	<0.5	<3	429	61
618317	Rock	0.47	35	3	<2	3	198	13	34	1.1	8	8	452	7.14	<2	3	21	<0.5	<3	21	154
618318	Rock	1.12	4	<3	<2	2	262	8	21	0.6	1	<1	235	13.37	<2	<2	12	<0.5	<3	7	156
1464251	Rock	0.70	41	<3	<2	2	2204	28	25	1.4	79	128	298	36.40	<2	<2	23	0.9	<3	1012	119
1464252	Rock	1.07	36	9	<2	2	3977	15	68	2.0	65	145	513	35.62	<2	<2	19	<0.5	<3	319	35
1464253	Rock	1.12	13	5	<2	<1	1757	8	26	0.8	60	56	539	14.83	3	<2	59	<0.5	<3	<3	27
1464254	Rock	0.88	33	3	4	2	210	<3	7	0.4	1	<1	83	5.62	30	3	343	<0.5	<3	22	124
1464255	Rock	1.00	10	3	4	2	277	18	19	1.2	158	71	147	13.08	185	<2	437	<0.5	<3	4	40
1464256	Rock	0.80	19	5	<2	1	180	25	19	1.0	76	43	110	7.77	179	<2	427	<0.5	<3	17	27
1464257	Rock	1.51	2	6	3	<1	53	5	19	0.7	84	34	177	7.74	7	<2	476	<0.5	<3	<3	53
1464258	Rock	0.64	32	<3	11	4	1258	36	33	1.3	60	82	81	23.15	<2	<2	5	<0.5	6	664	54
1464259	Rock	0.78	10	11	6	6	33	9	351	0.6	3	<1	124	1.12	<2	<2	6	3.0	<3	<3	252
1464260	Rock	1.21	62	<3	15	31	1127	23	40	1.2	183	44	508	16.35	3	<2	28	<0.5	<3	6	35
1464261	Rock	1.26	100	<3	9	29	300	7	13	0.4	28	8	126	2.73	327	<2	28	<0.5	<3	38	43
1464101	Rock	5.46	31	<3	<2	1	899	9	55	1.1	27	53	207	9.93	<2	<2	41	<0.5	<3	66	77
1464102	Rock	1.27	4	<3	<2	4	262	7	41	1.4	43	46	306	8.25	82	2	119	<0.5	<3	7	218
1464103	Rock	0.32	2	<3	<2	1	189	8	8	<0.3	21	32	101	6.19	4	<2	144	<0.5	<3	<3	8
1464104	Rock	0.68	3	<3	<2	3	66	8	31	0.7	55	23	372	4.19	34	6	193	<0.5	<3	<3	129
1464105	Rock	0.88	5	<3	7	5	168	12	17	0.9	68	34	177	5.14	6	<2	452	<0.5	<3	<3	77
1464106	Rock	0.50	533	<3	<2	2	470	11	36	0.7	296	154	1573	28.25	<2	<2	55	<0.5	<3	176	86
1464107	Rock	0.27	1008	<3	<2	1	1799	22	99	2.3	28	75	710	14.55	<2	<2	18	<0.5	<3	160	123
1464108	Rock	0.97	99	4	<2	1	298	28	20	1.4	112	51	72	10.22	<2	<2	339	<0.5	<3	112	24
1464109	Rock	1.43	14	6	2	<1	164	8	19	<0.3	59	33	130	4.89	27	<2	576	<0.5	<3	5	29
1464110	Rock	1.76	133	<3	<2	<1	134	26	37	1.2	69	39	103	6.66	41	<2	385	<0.5	<3	51	20
1464111	Rock	0.88	31	<3	<2	1	198	19	18	1.2	61	32	166	7.05	254	<2	367	<0.5	<3	33	57
1464112	Rock	1.01	23	<3	12	27	1662	17	50	1.3	164	39	459	14.76	3	<2	27	<0.5	<3	5	44
1464113	Rock	1.72	5	7	5	23	666	11	19	0.6	38	9	204	3.80	3	4	130	<0.5	<3	<3	41
1464114	Rock	0.96	20	<3	7	55	1274	17	41	1.1	150	30	359	10.84	19	<2	57	<0.5	<3	4	44
1464115	Rock	0.81	12	6	8	20	381	10	29	0.4	90	14	368	5.08	16	3	81	<0.5	<3	4	45
1464262	Rock	1.06	3	3	3	2	42	40	533	0.8	53	26	292	7.07	17	<2	191	4.4	<3	<3	14

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 10, 2018

CERTIFICATE OF ANALYSIS WHI18000491.1

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		MDL	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
618316	Rock		0.34	0.082	9	25	2.19	51	0.171	<20	1.72	0.02	1.26	<2	>10	<1	14	<5	9
618317	Rock		0.58	0.303	30	123	2.52	98	0.265	<20	2.29	<0.01	0.32	<2	1.28	<1	<5	<5	9
618318	Rock		0.06	0.079	9	21	2.34	31	0.089	<20	1.74	<0.01	0.59	<2	0.78	<1	7	5	5
1464251	Rock		0.77	0.185	9	45	1.96	39	0.080	<20	2.25	<0.01	0.63	<2	>10	<1	17	6	9
1464252	Rock		0.69	0.112	19	14	0.83	41	0.015	<20	0.97	<0.01	0.14	<2	>10	<1	17	<5	<5
1464253	Rock		3.39	0.102	12	11	0.44	21	0.091	<20	0.68	<0.01	0.04	<2	8.36	<1	6	<5	<5
1464254	Rock		15.67	>5	43	26	0.50	169	0.013	25	0.99	0.01	0.23	<2	<0.05	<1	<5	<5	<5
1464255	Rock		4.65	0.589	22	43	0.41	109	0.287	<20	5.51	0.26	0.31	<2	4.22	<1	<5	11	<5
1464256	Rock		5.42	0.815	24	21	0.16	32	0.275	<20	5.47	0.25	0.07	<2	3.68	<1	<5	8	<5
1464257	Rock		5.31	0.707	21	46	0.44	117	0.311	<20	5.87	0.10	0.29	<2	3.03	<1	<5	12	<5
1464258	Rock		0.18	0.074	9	26	0.49	47	0.057	<20	0.67	<0.01	0.37	<2	>10	<1	11	<5	<5
1464259	Rock		0.11	0.083	5	28	0.51	163	0.040	<20	0.70	<0.01	0.50	<2	0.21	<1	<5	<5	<5
1464260	Rock		1.21	0.249	6	2	0.30	17	0.015	<20	1.38	0.04	<0.01	<2	8.24	<1	8	<5	<5
1464261	Rock		1.34	0.373	9	2	0.10	11	0.021	<20	0.94	0.04	<0.01	<2	0.61	<1	<5	<5	<5
1464101	Rock		0.81	0.116	16	36	1.77	155	0.267	<20	1.99	0.05	1.08	<2	5.52	<1	<5	<5	6
1464102	Rock		1.71	0.373	22	52	2.48	78	0.421	<20	4.16	0.20	2.16	<2	2.73	<1	<5	8	12
1464103	Rock		1.15	0.166	8	2	0.26	15	0.136	<20	1.28	0.03	0.02	<2	3.35	<1	<5	<5	<5
1464104	Rock		2.50	0.296	30	98	1.38	451	0.328	<20	3.17	0.18	1.03	<2	1.28	<1	<5	<5	7
1464105	Rock		3.43	0.254	18	35	0.46	117	0.359	<20	4.14	0.10	0.39	<2	2.99	<1	<5	<5	<5
1464106	Rock		2.81	0.158	9	56	2.27	38	0.154	<20	2.48	<0.01	0.18	<2	>10	<1	10	<5	8
1464107	Rock		0.65	0.181	8	30	3.12	72	0.228	<20	3.10	<0.01	0.09	<2	>10	<1	<5	7	<5
1464108	Rock		4.47	0.591	19	14	0.08	16	0.320	<20	4.57	0.31	0.02	<2	5.42	<1	<5	6	<5
1464109	Rock		7.02	1.222	30	4	0.21	57	0.121	<20	5.71	0.09	0.11	<2	2.71	<1	<5	10	<5
1464110	Rock		4.83	0.583	14	9	0.10	14	0.279	<20	4.81	0.26	0.02	32	3.69	<1	<5	7	<5
1464111	Rock		5.07	0.640	24	39	0.62	34	0.318	<20	5.91	0.38	0.27	<2	3.70	<1	<5	14	<5
1464112	Rock		1.02	0.156	4	3	0.30	14	0.016	<20	1.39	0.04	<0.01	<2	8.44	<1	7	<5	<5
1464113	Rock		3.63	0.437	16	5	0.13	18	0.064	<20	4.20	0.20	<0.01	<2	2.44	<1	<5	14	<5
1464114	Rock		1.94	0.407	12	5	0.26	30	0.026	<20	2.00	0.08	<0.01	<2	6.49	<1	<5	<5	<5
1464115	Rock		1.92	0.176	10	8	0.30	64	0.049	<20	2.44	0.10	0.02	<2	3.00	<1	<5	10	<5
1464262	Rock		7.37	0.288	14	5	0.05	34	0.201	<20	1.32	0.26	0.08	<2	3.12	<1	<5	<5	<5

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 10, 2018

CERTIFICATE OF ANALYSIS WHI18000491.1

	Method	WGHT	FA350	FA350	FA350	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1
1464263	Rock	1.05	5	<3	<2	1	39	16	46	0.6	69	28	357	5.76	21	<2	336	<0.5	<3	<3	51
1464264	Rock	1.23	6	3	<2	1	38	19	65	0.9	67	29	339	6.31	4	<2	324	<0.5	<3	<3	49

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PHONE (604) 253-3158

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 10, 2018

CERTIFICATE OF ANALYSIS WHI18000491.1

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1464263	Rock	8.71	0.469	17	47	0.20	63	0.337	<20	4.16	0.28	0.15	<2	2.44	<1	<5	7	<5
1464264	Rock	8.61	0.507	19	35	0.14	49	0.373	<20	3.89	0.31	0.11	<2	2.33	<1	<5	<5	<5

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

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 10, 2018

QUALITY CONTROL REPORT WHI18000491.1

	Method	WGHT	FA350	FA350	FA350	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1
Pulp Duplicates																					
1464110	Rock	1.76	133	<3	<2	<1	134	26	37	1.2	69	39	103	6.66	41	<2	385	<0.5	<3	51	20
REP 1464110	QC		160	6	6																
1464113	Rock	1.72	5	7	5	23	666	11	19	0.6	38	9	204	3.80	3	4	130	<0.5	<3	<3	41
REP 1464113	QC		6	9	9																
1464115	Rock	0.81	12	6	8	20	381	10	29	0.4	90	14	368	5.08	16	3	81	<0.5	<3	4	45
REP 1464115	QC					20	381	11	29	0.3	88	14	367	5.05	16	4	81	<0.5	<3	4	46
Core Reject Duplicates																					
1464251	Rock	0.70	41	<3	<2	2	2204	28	25	1.4	79	128	298	36.40	<2	<2	23	0.9	<3	1012	119
DUP 1464251	QC		37	<3	<2	1	2245	26	26	1.5	72	116	311	33.29	<2	<2	25	<0.5	<3	1037	120
Reference Materials																					
STD DS11	Standard					14	148	136	349	1.7	76	13	1036	3.13	44	7	67	2.3	8	12	49
STD OREAS45EA	Standard					2	686	18	30	0.3	395	49	399	25.03	12	7	4	<0.5	<3	<3	308
STD PD05	Standard		498	415	582																
STD PD05	Standard		485	402	567																
STD PG04	Standard		974	908	1173																
STD OREAS45EA Expected						1.6	709	14.3	31.4	0.26	381	52	400	22.65	11	10.7	4.05				303
STD DS11 Expected						13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50
STD PG04 Expected			1004	903	1196																
STD PD05 Expected			519	430	596																
BLK	Blank					<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1
BLK	Blank		<2	<3	<2																
BLK	Blank		<2	<3	<2																
BLK	Blank		<2	<3	<2																
Prep Wash																					
ROCK-WHI	Prep Blank		<2	<3	<2	<1	3	3	31	<0.3	1	3	522	1.78	<2	<2	26	<0.5	<3	<3	23
ROCK-WHI	Prep Blank		<2	<3	<2	1	3	4	32	<0.3	<1	3	513	1.71	<2	<2	23	<0.5	<3	<3	21

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

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 10, 2018

QUALITY CONTROL REPORT WHI18000491.1

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates																		
1464110	Rock	4.83	0.583	14	9	0.10	14	0.279	<20	4.81	0.26	0.02	32	3.69	<1	<5	7	<5
REP 1464110	QC																	
1464113	Rock	3.63	0.437	16	5	0.13	18	0.064	<20	4.20	0.20	<0.01	<2	2.44	<1	<5	14	<5
REP 1464113	QC																	
1464115	Rock	1.92	0.176	10	8	0.30	64	0.049	<20	2.44	0.10	0.02	<2	3.00	<1	<5	10	<5
REP 1464115	QC	1.90	0.174	10	7	0.30	64	0.051	<20	2.44	0.10	0.02	<2	2.97	<1	<5	9	<5
Core Reject Duplicates																		
1464251	Rock	0.77	0.185	9	45	1.96	39	0.080	<20	2.25	<0.01	0.63	<2	>10	<1	17	6	9
DUP 1464251	QC	0.83	0.178	9	45	1.97	62	0.076	<20	2.23	<0.01	0.64	<2	>10	<1	16	<5	9
Reference Materials																		
STD DS11	Standard	1.06	0.071	17	52	0.83	414	0.093	<20	1.13	0.07	0.40	3	0.25	<1	<5	<5	<5
STD OREAS45EA	Standard	0.04	0.030	7	871	0.09	150	0.104	<20	3.24	0.02	0.05	<2	<0.05	<1	11	<5	82
STD PD05	Standard																	
STD PD05	Standard																	
STD PG04	Standard																	
STD OREAS45EA Expected		0.036	0.029	7.06	849	0.095	148	0.0984		3.32	0.02	0.053		0.036			12.4	78
STD DS11 Expected		1.063	0.0701	18.6	61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1
STD PG04 Expected																		
STD PD05 Expected																		
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
Prep Wash																		
ROCK-WHI	Prep Blank	0.71	0.039	6	3	0.46	65	0.076	<20	0.91	0.08	0.10	<2	0.09	<1	<5	<5	<5
ROCK-WHI	Prep Blank	0.62	0.039	6	2	0.44	59	0.071	<20	0.82	0.07	0.09	<2	0.12	<1	<5	<5	<5

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BUREAU VERITAS MINERAL LABORATORIES Canada

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

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Submitted By: Carl Schulze
Receiving Lab: Canada-Whitehorse
Received: July 30, 2018
Report Date: August 21, 2018
Page: 1 of 4

CERTIFICATE OF ANALYSIS WHI18000492.1

CLIENT JOB INFORMATION

Project: Emerald Lake
Shipment ID:
P.O. Number
Number of Samples: 73

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 60 days Invoice for Storage

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
DY060	73	Dry at 60C			WHI
SS80	73	Dry at 60C sieve 100g to -80 mesh			WHI
SVRJT	73	Save all or part of Soil Reject			WHI
FA350	72	lead collection fire assay 50g - ICP-ES finish	50	Completed	VAN
EN002	72	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	71	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	72	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

Invoice To: Aurora Geosciences Ltd. (Whitehorse)
34A Laberge Road
Whitehorse Yukon Y1A 5Y9
Canada

CC: Daniel Huang

BRITISH COLUMBIA CERTIFIED ASSAYER
MARCUS LAU
Production Manager

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: August 21, 2018

CERTIFICATE OF ANALYSIS WHI18000492.1

		Method	FA350	FA350	FA350	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
		Unit	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1464001	Soil		14	<3	2	9	66	24	43	<0.3	14	3	247	3.54	41	7	31	<0.5	<3	9	76	0.25
1464002	Soil		46	5	3	12	92	34	41	<0.3	13	3	278	5.60	66	6	28	<0.5	<3	11	78	0.18
1464003	Soil		20	7	<2	11	53	19	31	<0.3	11	3	204	3.27	37	5	29	<0.5	<3	6	59	0.23
1464004	Soil		198	<3	3	26	91	34	52	0.3	20	7	350	4.37	84	5	47	<0.5	<3	12	75	0.37
1464005	Soil		44	4	4	11	66	28	36	<0.3	13	3	232	3.77	66	4	31	<0.5	<3	8	73	0.26
1464006	Soil		15	<3	2	11	58	27	39	<0.3	13	3	241	3.66	58	5	30	<0.5	<3	8	77	0.24
1464007	Soil		20	<3	3	13	68	33	43	<0.3	15	3	258	4.11	75	5	30	<0.5	<3	9	83	0.22
1464008	Soil		20	<3	4	19	67	19	41	0.5	13	4	221	3.60	54	5	46	<0.5	<3	6	80	0.57
1464009	Soil		22	<3	<2	13	81	29	47	0.6	15	4	220	3.90	59	5	55	<0.5	<3	9	92	0.61
1464010	Soil		25	<3	<2	4	64	22	42	0.6	11	6	242	4.32	54	6	71	<0.5	<3	12	68	0.65
1464011	Soil		9	<3	2	4	53	18	45	0.4	11	4	216	3.73	59	4	72	<0.5	<3	6	78	0.72
1464012	Soil		11	<3	<2	4	75	23	50	0.8	15	6	255	4.28	66	5	63	<0.5	<3	3	87	0.65
1464013	Soil		33	<3	5	5	92	20	61	0.8	24	10	294	5.28	63	4	91	<0.5	<3	10	101	0.63
1464014	Soil		15	3	7	10	206	25	186	0.6	58	30	927	5.14	80	10	82	<0.5	<3	6	94	0.67
1464015	Soil		18	8	14	18	201	30	105	0.7	48	23	1081	6.35	60	12	33	<0.5	<3	<3	117	0.33
1464016	Soil		15	<3	7	9	165	26	126	0.5	78	24	767	5.21	51	32	44	<0.5	<3	<3	119	0.62
1464017	Soil		17	<3	10	9	224	45	262	0.8	120	52	2518	5.64	65	23	52	0.7	<3	<3	105	0.62
1464018	Soil		6	<3	<2	2	41	21	45	<0.3	10	9	455	2.33	30	4	24	<0.5	<3	<3	50	0.38
1464019	Soil		11	<3	5	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1464020	Soil		18	4	5	6	145	34	161	0.8	49	24	1427	5.54	104	19	42	<0.5	<3	<3	104	0.77
1464021	Soil		7	<3	4	10	35	26	57	0.6	8	6	676	4.48	71	4	15	<0.5	<3	<3	134	0.51
1464022	Soil		8	<3	5	4	139	40	173	0.3	59	23	1538	4.46	32	5	165	0.7	<3	<3	88	0.58
1464023	Soil		17	<3	10	14	130	37	106	0.4	26	16	939	5.71	182	19	32	<0.5	<3	4	125	0.52
1464024	Soil		34	<3	7	11	134	29	134	<0.3	48	12	711	5.43	91	7	61	<0.5	<3	3	113	0.52
1464025	Soil		13	<3	4	5	93	28	72	<0.3	25	11	533	3.86	72	16	29	<0.5	<3	<3	105	0.50
1464026	Soil		30	<3	8	7	177	24	165	<0.3	67	25	1289	4.49	54	18	39	<0.5	<3	5	100	0.41
1464027	Soil		33	<3	6	12	140	27	110	0.6	32	9	621	6.27	47	18	29	<0.5	<3	3	113	0.37
1464028	Soil		18	<3	6	5	53	14	31	0.6	8	2	592	5.40	38	4	10	<0.5	<3	<3	84	0.05
1464301	Soil		24	<3	12	17	184	65	97	0.7	28	19	1548	8.13	179	<2	17	<0.5	7	<3	126	0.11
1464302	Soil		21	28	66	15	169	62	114	0.7	52	35	2642	7.44	230	2	18	<0.5	5	<3	99	0.09

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Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: August 21, 2018

CERTIFICATE OF ANALYSIS WHI18000492.1

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1464001	Soil		0.126	20	31	0.65	262	0.113	<20	1.45	0.04	0.43	5	0.08	<1	<5	<5	<5
1464002	Soil		0.169	19	36	0.70	224	0.111	<20	1.36	0.03	0.39	13	0.10	<1	<5	<5	<5
1464003	Soil		0.134	21	24	0.51	173	0.078	<20	1.01	0.02	0.29	3	<0.05	<1	<5	<5	<5
1464004	Soil		0.172	21	34	0.73	302	0.117	<20	1.46	0.03	0.43	34	0.08	<1	<5	<5	<5
1464005	Soil		0.141	19	30	0.63	253	0.100	<20	1.41	0.03	0.39	19	0.06	<1	<5	<5	<5
1464006	Soil		0.138	19	32	0.66	281	0.109	<20	1.41	0.03	0.41	16	<0.05	<1	<5	<5	<5
1464007	Soil		0.156	20	35	0.70	293	0.110	<20	1.47	0.03	0.44	12	<0.05	<1	<5	<5	<5
1464008	Soil		0.217	23	38	0.88	451	0.163	<20	1.63	0.05	0.54	49	<0.05	<1	<5	<5	<5
1464009	Soil		0.228	20	44	1.02	462	0.167	<20	2.02	0.06	0.64	31	0.06	<1	<5	<5	5
1464010	Soil		0.155	22	30	0.85	213	0.154	<20	2.37	0.11	0.52	7	<0.05	<1	<5	<5	<5
1464011	Soil		0.247	19	35	0.79	305	0.127	<20	1.77	0.05	0.48	2	0.05	<1	<5	<5	<5
1464012	Soil		0.257	21	39	0.90	337	0.138	<20	2.01	0.05	0.53	7	0.05	<1	<5	<5	<5
1464013	Soil		0.256	21	56	1.21	526	0.176	<20	2.43	0.05	0.70	<2	<0.05	<1	<5	<5	5
1464014	Soil		0.262	86	37	0.93	345	0.147	<20	2.38	0.04	0.49	5	0.06	<1	<5	<5	<5
1464015	Soil		0.159	58	40	0.59	194	0.134	<20	1.82	0.01	0.27	3	0.11	<1	<5	<5	5
1464016	Soil		0.286	45	28	0.49	259	0.135	<20	1.57	0.02	0.32	21	<0.05	<1	<5	<5	5
1464017	Soil		0.190	94	26	0.65	229	0.163	<20	2.59	0.02	0.31	5	0.06	<1	<5	<5	7
1464018	Soil		0.073	25	5	0.22	55	0.083	<20	1.02	0.02	0.10	<2	<0.05	<1	<5	<5	<5
1464019	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1464020	Soil		0.116	51	20	0.58	165	0.164	<20	1.67	0.01	0.26	7	0.05	<1	<5	<5	5
1464021	Soil		0.057	10	13	0.16	69	0.172	<20	0.55	<0.01	0.10	5	0.05	<1	<5	<5	<5
1464022	Soil		0.158	44	12	0.48	187	0.060	<20	1.79	<0.01	0.16	3	0.08	<1	<5	<5	<5
1464023	Soil		0.143	41	29	0.50	166	0.120	<20	1.57	0.01	0.26	6	0.07	<1	<5	<5	<5
1464024	Soil		0.144	58	30	0.58	247	0.116	<20	1.85	0.01	0.24	4	0.08	<1	<5	<5	<5
1464025	Soil		0.118	42	21	0.39	168	0.109	<20	1.46	0.01	0.19	8	<0.05	<1	<5	<5	<5
1464026	Soil		0.156	39	27	0.48	169	0.098	<20	1.72	0.01	0.19	3	<0.05	<1	<5	<5	<5
1464027	Soil		0.145	27	28	0.75	232	0.136	<20	1.86	<0.01	0.28	<2	0.09	<1	<5	<5	<5
1464028	Soil		0.111	14	41	0.41	100	0.046	<20	0.99	<0.01	0.10	<2	0.12	<1	<5	<5	<5
1464301	Soil		0.175	9	51	0.93	186	0.109	<20	2.25	0.01	0.42	9	0.16	<1	<5	<5	<5
1464302	Soil		0.181	9	59	0.83	259	0.094	<20	1.72	0.01	0.46	4	0.15	<1	<5	<5	<5

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Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: August 21, 2018

CERTIFICATE OF ANALYSIS WHI18000492.1

	Method	FA350	FA350	FA350	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1464303	Soil	24	<3	9	32	289	116	158	2.0	35	15	2138	10.02	231	4	25	<0.5	5	5	126	0.06
1464304	Soil	17	<3	10	53	329	42	186	0.7	29	9	466	3.84	182	31	62	<0.5	<3	10	69	0.26
1464305	Soil	32	<3	10	61	541	68	306	1.3	50	21	1586	5.28	254	23	67	<0.5	<3	13	103	0.23
1464306	Soil	36	<3	10	60	499	71	291	1.7	46	17	1135	5.47	303	23	71	<0.5	4	15	106	0.21
1464307	Soil	32	<3	11	61	478	79	273	1.8	46	16	1144	5.74	335	24	66	<0.5	5	14	109	0.20
1464308	Soil	8	<3	7	6	69	33	101	0.3	29	21	2145	3.65	122	<2	8	<0.5	<3	<3	89	0.07
1464309	Soil	23	<3	12	14	184	113	132	1.2	37	9	998	6.94	106	<2	23	<0.5	5	<3	147	0.09
1464310	Soil	24	<3	17	20	184	64	165	0.8	47	18	1562	8.07	60	<2	26	<0.5	7	<3	161	0.12
1464311	Soil	45	4	15	49	354	55	552	<0.3	316	55	4071	5.25	280	23	41	1.9	4	20	95	0.17
1464312	Soil	29	<3	4	39	286	60	119	0.8	32	10	568	4.34	200	13	62	<0.5	<3	16	100	0.20
1464313	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1464314	Soil	42	<3	2	36	139	38	61	<0.3	8	11	567	3.04	241	23	169	<0.5	<3	32	55	0.49
1464315	Soil	25	<3	2	27	145	49	54	<0.3	9	11	519	2.78	143	38	155	<0.5	<3	17	51	0.41
1464316	Soil	20	<3	5	19	136	22	60	<0.3	13	13	574	2.99	93	39	76	<0.5	<3	24	60	0.40
1464317	Soil	11	<3	5	56	195	19	55	<0.3	12	16	654	3.42	68	28	49	<0.5	<3	6	57	0.32
1464318	Soil	11	<3	10	31	113	18	49	<0.3	15	12	578	2.95	50	11	48	<0.5	<3	7	63	0.34
1464319	Soil	15	<3	<2	5	58	21	50	<0.3	10	8	472	2.28	60	40	18	<0.5	<3	13	57	0.47
1464320	Soil	12	<3	<2	16	104	15	40	<0.3	7	9	463	2.62	32	60	37	<0.5	<3	5	56	0.56
1464321	Soil	9	<3	4	55	143	26	76	<0.3	16	14	655	3.21	41	7	42	<0.5	<3	16	64	0.26
1464322	Soil	17	<3	3	32	140	23	72	<0.3	17	11	441	3.23	37	11	31	<0.5	<3	28	74	0.31
1464323	Soil	20	<3	9	18	115	28	65	<0.3	14	10	613	3.49	42	8	28	<0.5	<3	17	74	0.23
1464324	Soil	16	32	70	22	85	18	47	<0.3	12	6	315	2.63	29	19	42	<0.5	<3	23	67	0.47
1464325	Soil	12	14	26	47	127	34	66	<0.3	16	11	446	3.79	43	7	34	<0.5	<3	16	77	0.21
1464326	Soil	5	<3	2	15	51	21	52	<0.3	11	7	398	3.40	26	5	15	<0.5	<3	8	67	0.20
1464327	Soil	25	<3	4	10	43	13	32	<0.3	5	4	310	2.00	29	6	17	<0.5	<3	5	45	0.29
1464328	Soil	22	<3	<2	6	54	18	37	<0.3	7	7	423	2.19	63	15	24	<0.5	<3	9	54	0.39
1464329	Soil	32	<3	4	28	68	31	52	0.5	15	11	853	3.67	122	5	30	<0.5	<3	13	103	0.11
1464330	Soil	4	9	22	58	134	23	66	<0.3	14	15	823	3.24	76	9	71	<0.5	<3	8	63	0.47
1464401	Soil	6	<3	5	12	57	36	60	<0.3	10	11	879	4.09	27	35	16	<0.5	<3	7	52	0.19
1464402	Soil	19	<3	7	14	339	51	175	<0.3	63	47	2751	4.23	97	11	56	<0.5	<3	17	74	0.26

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Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1464303	Soil	0.240	11	54	1.35	308	0.121	<20	3.18	<0.01	0.72	3	0.36	<1	<5	<5	6
1464304	Soil	0.141	36	21	0.60	148	0.052	<20	2.27	<0.01	0.24	33	0.08	<1	<5	<5	<5
1464305	Soil	0.199	29	38	0.89	217	0.072	<20	3.53	0.01	0.39	25	0.17	<1	<5	<5	<5
1464306	Soil	0.202	28	37	0.91	244	0.070	<20	3.34	0.01	0.42	22	0.16	<1	<5	<5	<5
1464307	Soil	0.206	26	43	0.92	246	0.072	<20	3.28	0.01	0.42	28	0.16	<1	<5	<5	<5
1464308	Soil	0.087	11	41	0.65	212	0.076	<20	2.12	<0.01	0.25	<2	0.06	<1	<5	<5	<5
1464309	Soil	0.185	15	71	1.21	289	0.096	<20	2.71	0.01	0.54	<2	0.14	<1	<5	9	<5
1464310	Soil	0.266	16	66	1.04	257	0.084	<20	2.69	<0.01	0.47	<2	0.17	<1	<5	9	<5
1464311	Soil	0.155	44	43	0.90	289	0.100	<20	2.78	<0.01	0.34	21	0.11	<1	6	6	6
1464312	Soil	0.132	42	31	0.88	218	0.068	<20	2.68	0.01	0.26	15	0.06	<1	<5	8	<5
1464313	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1464314	Soil	0.142	79	12	0.67	145	0.028	<20	2.46	0.02	0.14	26	<0.05	<1	<5	8	<5
1464315	Soil	0.132	80	12	0.50	148	0.029	<20	1.99	0.01	0.15	53	<0.05	<1	<5	7	<5
1464316	Soil	0.149	69	15	0.45	158	0.052	<20	2.09	0.01	0.14	47	<0.05	<1	<5	6	<5
1464317	Soil	0.130	80	12	0.46	113	0.055	<20	2.06	0.01	0.22	60	<0.05	<1	<5	7	<5
1464318	Soil	0.136	51	20	0.39	115	0.044	<20	1.63	0.01	0.15	47	<0.05	<1	<5	5	<5
1464319	Soil	0.125	57	11	0.37	74	0.083	<20	1.61	0.03	0.20	30	<0.05	<1	<5	<5	<5
1464320	Soil	0.160	80	11	0.38	96	0.079	<20	1.53	0.02	0.18	41	<0.05	<1	<5	<5	<5
1464321	Soil	0.145	59	20	0.44	106	0.050	<20	2.25	0.01	0.15	74	0.07	<1	<5	9	<5
1464322	Soil	0.157	42	18	0.35	71	0.041	<20	1.59	0.01	0.12	94	0.07	<1	<5	6	<5
1464323	Soil	0.126	29	16	0.29	58	0.043	<20	1.89	<0.01	0.10	60	0.06	<1	<5	6	<5
1464324	Soil	0.143	39	13	0.28	61	0.045	<20	1.04	0.01	0.08	75	<0.05	<1	<5	<5	<5
1464325	Soil	0.101	47	18	0.37	83	0.062	<20	1.87	<0.01	0.11	81	0.06	<1	<5	9	<5
1464326	Soil	0.085	27	19	0.31	50	0.074	<20	1.71	<0.01	0.09	34	<0.05	<1	<5	10	<5
1464327	Soil	0.098	50	6	0.23	49	0.054	<20	1.28	0.02	0.10	35	<0.05	<1	<5	<5	<5
1464328	Soil	0.101	34	11	0.30	79	0.066	<20	1.15	0.02	0.15	27	<0.05	<1	<5	<5	<5
1464329	Soil	0.060	26	24	0.39	145	0.087	<20	1.91	<0.01	0.17	25	<0.05	<1	<5	10	<5
1464330	Soil	0.131	54	17	0.47	136	0.036	<20	1.98	0.01	0.15	53	0.07	<1	<5	5	<5
1464401	Soil	0.138	55	15	0.47	80	0.049	<20	1.82	<0.01	0.22	14	0.05	<1	<5	6	<5
1464402	Soil	0.149	54	29	0.85	188	0.074	<20	2.75	0.01	0.23	2	0.08	<1	5	<5	<5

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: August 21, 2018

CERTIFICATE OF ANALYSIS WHI18000492.1

	Method	FA350	FA350	FA350	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1464403	Soil	2	<3	<2	<1	8	22	48	<0.3	7	5	388	2.24	6	33	13	<0.5	<3	<3	46	0.28
1464404	Soil	6	<3	<2	1	33	21	65	<0.3	11	6	446	2.43	21	33	23	<0.5	<3	<3	46	0.28
1464405	Soil	19	<3	7	34	335	58	402	0.3	144	50	2054	4.83	216	11	68	1.2	<3	13	86	0.48
1464406	Soil	24	8	10	30	370	66	412	0.5	132	35	861	4.88	240	12	69	0.6	<3	14	87	0.42
1464407	Soil	67	<3	2	12	66	48	100	<0.3	27	10	474	2.80	151	10	46	<0.5	<3	9	64	0.43
1464408	Soil	34	<3	<2	22	125	42	221	0.3	71	34	916	3.89	145	9	34	<0.5	<3	6	82	0.30
1464409	Soil	7	<3	<2	4	24	31	69	<0.3	18	8	492	2.53	37	5	37	<0.5	<3	4	62	0.50
1464410	Soil	5	<3	3	17	26	23	55	<0.3	16	9	568	2.52	82	<2	20	<0.5	<3	3	68	0.20
1464411	Soil	10	<3	4	36	65	50	106	<0.3	23	14	571	5.27	204	4	32	<0.5	<3	10	115	0.14
1464412	Soil	16	6	5	25	241	33	169	0.3	65	26	692	4.31	155	10	45	<0.5	<3	6	89	0.34
1464413	Soil	18	<3	<2	4	35	119	88	<0.3	5	5	560	2.36	253	24	166	<0.5	<3	11	34	0.64
1464414	Soil	57	<3	3	3	15	19	29	<0.3	7	5	199	3.81	31	11	13	<0.5	<3	3	112	0.24
1464415	Soil	5	<3	3	4	15	17	29	<0.3	8	3	159	2.36	24	2	41	<0.5	<3	<3	58	0.35

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34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: August 21, 2018

CERTIFICATE OF ANALYSIS WHI18000492.1

Method		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1464403	Soil	0.091	66	9	0.43	59	0.099	<20	1.33	0.02	0.40	6	<0.05	<1	<5	<5	<5
1464404	Soil	0.103	69	10	0.42	77	0.082	<20	1.20	0.01	0.37	4	<0.05	<1	<5	<5	<5
1464405	Soil	0.146	78	35	0.94	200	0.081	<20	3.17	<0.01	0.29	5	0.11	<1	<5	8	<5
1464406	Soil	0.153	64	39	0.96	210	0.084	<20	3.24	<0.01	0.34	5	0.12	<1	<5	5	5
1464407	Soil	0.111	49	24	0.58	111	0.069	<20	1.88	<0.01	0.22	5	<0.05	<1	<5	<5	<5
1464408	Soil	0.138	55	34	0.79	157	0.089	<20	2.84	<0.01	0.27	7	0.08	<1	<5	<5	<5
1464409	Soil	0.084	31	25	0.42	195	0.069	<20	2.59	0.01	0.22	4	<0.05	<1	<5	5	<5
1464410	Soil	0.076	36	27	0.52	88	0.085	<20	1.90	0.01	0.15	5	0.05	<1	<5	6	<5
1464411	Soil	0.081	26	44	0.91	110	0.101	<20	2.73	<0.01	0.13	5	0.08	<1	<5	10	<5
1464412	Soil	0.142	56	32	0.79	197	0.092	<20	2.56	0.01	0.23	16	0.07	<1	<5	5	<5
1464413	Soil	0.068	64	10	0.72	115	0.021	<20	2.58	<0.01	0.17	2	<0.05	<1	<5	6	<5
1464414	Soil	0.113	49	38	0.50	73	0.103	<20	1.38	<0.01	0.19	6	<0.05	<1	<5	6	<5
1464415	Soil	0.071	25	21	0.35	76	0.061	<20	1.80	<0.01	0.12	<2	<0.05	<1	<5	<5	<5

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Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: August 21, 2018

QUALITY CONTROL REPORT WHI18000492.1

		Method	FA350	FA350	FA350	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
		Unit	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
Pulp Duplicates																						
1464005	Soil		44	4	4	11	66	28	36	<0.3	13	3	232	3.77	66	4	31	<0.5	<3	8	73	0.26
REP 1464005	QC		27	6	<2																	
1464008	Soil		20	<3	4	19	67	19	41	0.5	13	4	221	3.60	54	5	46	<0.5	<3	6	80	0.57
REP 1464008	QC					19	65	20	41	0.6	13	4	216	3.56	52	5	45	<0.5	<3	8	79	0.56
1464312	Soil		29	<3	4	39	286	60	119	0.8	32	10	568	4.34	200	13	62	<0.5	<3	16	100	0.20
REP 1464312	QC		30	<3	14																	
1464317	Soil		11	<3	5	56	195	19	55	<0.3	12	16	654	3.42	68	28	49	<0.5	<3	6	57	0.32
REP 1464317	QC					55	192	23	54	<0.3	12	15	621	3.44	67	32	50	<0.5	<3	8	58	0.34
1464414	Soil		57	<3	3	3	15	19	29	<0.3	7	5	199	3.81	31	11	13	<0.5	<3	3	112	0.24
REP 1464414	QC		94	15	13																	
Reference Materials																						
STD DS11	Standard					14	146	139	352	1.7	75	13	1039	3.16	44	6	68	2.2	7	11	48	1.05
STD DS11	Standard					16	162	143	366	2.1	83	14	1110	3.32	45	7	74	2.4	8	11	54	1.14
STD OREAS45EA	Standard					2	695	17	32	0.5	422	53	406	25.77	12	7	4	<0.5	<3	<3	319	0.04
STD OREAS45EA	Standard					2	748	15	35	0.6	421	55	434	23.87	3	9	4	<0.5	<3	<3	327	0.04
STD PD05	Standard		510	439	604																	
STD PD05	Standard		485	409	570																	
STD PG04	Standard		1030	959	1245																	
STD PG04	Standard		1033	959	1249																	
STD PG04 Expected			1004	903	1196																	
STD PD05 Expected			519	430	596																	
STD OREAS45EA Expected						1.6	709	14.3	31.4	0.26	381	52	400	22.65	11	10.7	4.05				303	0.036
STD DS11 Expected						13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50	1.063
BLK	Blank		<2	<3	<2																	
BLK	Blank		<2	<3	<2																	
BLK	Blank		<2	<3	<2																	
BLK	Blank		<2	<3	<2																	
BLK	Blank		<2	4	4																	

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PHONE (604) 253-3158

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: August 21, 2018

QUALITY CONTROL REPORT WHI18000492.1

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates																		
1464005	Soil		0.141	19	30	0.63	253	0.100	<20	1.41	0.03	0.39	19	0.06	<1	<5	<5	<5
REP 1464005	QC																	
1464008	Soil		0.217	23	38	0.88	451	0.163	<20	1.63	0.05	0.54	49	<0.05	<1	<5	<5	<5
REP 1464008	QC		0.211	23	36	0.87	442	0.159	<20	1.60	0.05	0.53	44	<0.05	<1	<5	<5	<5
1464312	Soil		0.132	42	31	0.88	218	0.068	<20	2.68	0.01	0.26	15	0.06	<1	<5	8	<5
REP 1464312	QC																	
1464317	Soil		0.130	80	12	0.46	113	0.055	<20	2.06	0.01	0.22	60	<0.05	<1	<5	7	<5
REP 1464317	QC		0.138	79	13	0.45	114	0.053	<20	2.01	0.01	0.21	56	<0.05	<1	<5	6	<5
1464414	Soil		0.113	49	38	0.50	73	0.103	<20	1.38	<0.01	0.19	6	<0.05	<1	<5	6	<5
REP 1464414	QC																	
Reference Materials																		
STD DS11	Standard		0.069	17	54	0.84	432	0.093	<20	1.14	0.07	0.40	2	0.28	<1	<5	<5	<5
STD DS11	Standard		0.076	19	65	0.91	436	0.101	<20	1.26	0.08	0.44	3	0.30	<1	6	<5	<5
STD OREAS45EA	Standard		0.031	7	894	0.10	158	0.104	<20	3.32	0.02	0.06	<2	<0.05	<1	11	<5	84
STD OREAS45EA	Standard		0.032	8	940	0.11	156	0.108	<20	3.70	0.02	0.06	<2	<0.05	<1	<5	16	90
STD PD05	Standard																	
STD PD05	Standard																	
STD PG04	Standard																	
STD PG04	Standard																	
STD PG04 Expected																		
STD PD05 Expected																		
STD OREAS45EA Expected			0.029	7.06	849	0.095	148	0.0984		3.32	0.02	0.053		0.036			12.4	78
STD DS11 Expected			0.0701	18.6	61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	
BLK	Blank																	

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Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake

Report Date: August 21, 2018

QUALITY CONTROL REPORT WHI18000492.1

		FA350 Au ppb 2	FA350 Pt ppb 3	FA350 Pd ppb 2	AQ300 Mo ppm 1	AQ300 Cu ppm 1	AQ300 Pb ppm 3	AQ300 Zn ppm 1	AQ300 Ag ppm 0.3	AQ300 Ni ppm 1	AQ300 Co ppm 1	AQ300 Mn ppm 2	AQ300 Fe % 0.01	AQ300 As ppm 2	AQ300 Th ppm 2	AQ300 Sr ppm 1	AQ300 Cd ppm 0.5	AQ300 Sb ppm 3	AQ300 Bi ppm 3	AQ300 V ppm 1	AQ300 Ca % 0.01
BLK	Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01

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Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake

Report Date: August 21, 2018

QUALITY CONTROL REPORT WHI18000492.1

		AQ300 P % 0.001	AQ300 La ppm 1	AQ300 Cr ppm 1	AQ300 Mg % 0.01	AQ300 Ba ppm 1	AQ300 Ti % 0.001	AQ300 B ppm 20	AQ300 Al % 0.01	AQ300 Na % 0.01	AQ300 K % 0.01	AQ300 W ppm 2	AQ300 S % 0.05	AQ300 Hg ppm 1	AQ300 Tl ppm 5	AQ300 Ga ppm 5	AQ300 Sc ppm 5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5

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PHONE (604) 253-3158

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Submitted By: Carl Schulze
Receiving Lab: Canada-Whitehorse
Received: August 06, 2018
Report Date: September 10, 2018
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI18000578.1

CLIENT JOB INFORMATION

Project: Emerald Lake
Shipment ID:
P.O. Number
Number of Samples: 20

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 60 days Invoice for Storage

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
PRP70-250	20	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA350-Au	20	50g Fire assay fusion Au by ICP-ES	50	Completed	VAN
EN002	20	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	20	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	20	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

Invoice To: Aurora Geosciences Ltd. (Whitehorse)
34A Laberge Road
Whitehorse Yukon Y1A 5Y9
Canada

CC:

Daniel Huang

JEFFREY CANNON
Geochemistry Department Supervisor

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 10, 2018

CERTIFICATE OF ANALYSIS WHI18000578.1

Method		WGHT	FA350	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001
1464116	Rock	2.00	8	1	72	26	26	<0.3	112	56	214	9.26	100	<2	457	<0.5	<3	<3	54	6.02	0.510
1464117	Rock	1.50	3	<1	56	14	52	<0.3	87	40	567	6.11	<2	<2	294	<0.5	<3	<3	67	9.31	0.431
1464118	Rock	0.60	2	2	133	14	30	<0.3	32	20	201	7.70	12	5	170	<0.5	<3	<3	54	3.16	0.586
1464119	Rock	0.63	4	7	154	9	1956	0.4	59	25	509	7.55	4	5	255	20.7	<3	<3	161	3.83	0.467
1464120	Rock	0.37	12	5	112	20	164	<0.3	117	69	440	9.10	74	7	180	<0.5	<3	<3	425	3.05	0.511
1464121	Rock	0.86	6	11	26	32	54	0.7	7	1	224	1.29	8	2	3	0.9	<3	<3	258	0.04	0.030
1464122	Rock	0.73	6	2	18	18	22	1.0	6	2	173	2.68	10	4	5	<0.5	3	<3	38	0.01	0.021
1464123	Rock	0.55	19	3	167	18	23	<0.3	30	18	210	3.77	235	5	87	<0.5	<3	3	56	1.00	0.088
1464124	Rock	1.78	12	3	142	14	140	<0.3	40	15	391	4.63	5	4	31	<0.5	<3	<3	59	0.48	0.085
1464125	Rock	0.61	101	21	209	24	1203	2.0	214	22	772	12.12	38	2	25	20.1	<3	<3	1482	0.29	0.046
1464126	Rock	2.10	13	7	179	8	44	<0.3	48	19	1825	5.07	30	<2	8	<0.5	<3	<3	86	0.10	0.043
1464127	Rock	1.60	38	3	159	8	48	1.0	16	32	570	8.91	50	4	405	<0.5	<3	<3	73	3.56	0.648
1464128	Rock	0.54	13	5	156	9	42	0.4	48	20	367	7.42	6	5	66	<0.5	<3	<3	74	1.27	0.190
1464129	Rock	0.60	5	1	282	6	43	<0.3	29	24	284	6.87	24	4	26	<0.5	<3	<3	88	1.45	0.684
1464130	Rock	0.57	4	3	116	18	21	<0.3	70	25	194	6.26	<2	7	87	<0.5	<3	<3	16	0.97	0.096
1464131	Rock	0.86	17	5	2104	40	47	1.6	93	69	129	11.66	7	<2	2	<0.5	<3	4	21	0.07	0.037
1464132	Rock	2.60	35	12	3140	11	51	1.8	108	53	225	18.27	<2	<2	27	<0.5	<3	6	7	0.70	0.065
1464133	Rock	1.62	11	9	2402	12	30	1.4	103	59	169	17.87	<2	<2	19	<0.5	<3	8	3	0.58	0.033
1464134	Rock	0.76	15	6	1066	10	32	1.0	97	81	247	15.79	<2	4	31	<0.5	<3	8	4	0.77	0.044
1464265	Rock	1.55	7	2	85	20	39	0.5	92	39	496	9.10	93	3	367	<0.5	<3	<3	80	8.57	0.475

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BUREAU VERITAS MINERAL LABORATORIES Canada

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 10, 2018

CERTIFICATE OF ANALYSIS WHI18000578.1

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1464116	Rock		18	42	0.35	119	0.395	<20	5.28	0.21	0.20	<2	4.33	<1	<5	8	<5
1464117	Rock		18	65	0.42	79	0.356	<20	3.60	0.15	0.23	<2	2.81	<1	<5	8	<5
1464118	Rock		42	37	0.69	81	0.203	<20	3.28	0.17	0.40	<2	3.68	<1	<5	10	<5
1464119	Rock		38	152	1.58	124	0.378	<20	5.74	0.37	0.85	<2	3.84	<1	<5	16	9
1464120	Rock		21	228	2.76	87	0.411	<20	6.33	0.22	2.38	<2	2.81	<1	<5	14	30
1464121	Rock		9	85	0.70	245	0.029	<20	0.84	0.03	0.37	<2	0.54	<1	<5	5	<5
1464122	Rock		15	18	0.44	194	0.007	<20	0.59	0.02	0.30	<2	0.96	<1	<5	<5	<5
1464123	Rock		19	29	0.36	118	0.148	<20	1.50	0.08	0.15	21	1.16	<1	<5	<5	<5
1464124	Rock		17	53	1.18	230	0.130	<20	2.09	0.07	0.68	<2	1.56	<1	<5	7	<5
1464125	Rock		5	130	1.72	31	0.246	<20	2.57	0.10	1.50	<2	7.21	<1	<5	6	9
1464126	Rock		8	54	1.47	154	0.156	<20	2.17	0.03	0.91	<2	2.20	<1	<5	<5	11
1464127	Rock		40	32	0.92	60	0.265	<20	4.48	0.30	0.45	<2	5.20	<1	<5	11	<5
1464128	Rock		20	33	0.74	82	0.186	<20	1.91	0.25	0.43	<2	3.81	<1	<5	<5	<5
1464129	Rock		24	49	1.42	98	0.143	<20	2.06	0.03	1.25	<2	2.99	<1	<5	6	8
1464130	Rock		30	12	0.21	32	0.066	<20	1.45	0.10	<0.01	<2	3.62	<1	<5	<5	<5
1464131	Rock		7	23	0.49	40	0.019	20	0.70	<0.01	0.17	<2	7.09	<1	<5	<5	<5
1464132	Rock		16	7	0.22	22	0.047	<20	1.06	0.02	0.05	<2	9.42	<1	<5	6	<5
1464133	Rock		7	6	0.10	9	0.025	<20	0.93	0.02	0.05	<2	8.57	<1	<5	5	<5
1464134	Rock		18	5	0.16	14	0.045	<20	1.24	0.02	0.05	<2	7.48	<1	<5	<5	<5
1464265	Rock		17	78	0.45	75	0.365	<20	4.20	0.25	0.37	<2	4.22	<1	<5	10	<5

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 10, 2018

QUALITY CONTROL REPORT WHI18000578.1

	Method	WGHT	FA350	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001
Pulp Duplicates																					
1464118	Rock	0.60	2	2	133	14	30	<0.3	32	20	201	7.70	12	5	170	<0.5	<3	<3	54	3.16	0.586
REP 1464118	QC			2	130	15	30	<0.3	31	19	197	7.66	12	6	171	<0.5	<3	<3	55	3.17	0.575
1464127	Rock	1.60	38	3	159	8	48	1.0	16	32	570	8.91	50	4	405	<0.5	<3	<3	73	3.56	0.648
REP 1464127	QC		35																		
Core Reject Duplicates																					
1464125	Rock	0.61	101	21	209	24	1203	2.0	214	22	772	12.12	38	2	25	20.1	<3	<3	1482	0.29	0.046
DUP 1464125	QC		119	21	203	25	1205	1.9	206	22	752	11.95	33	3	23	20.0	<3	<3	1427	0.27	0.045
Reference Materials																					
STD DS11	Standard			14	149	130	348	1.5	78	13	1012	3.11	41	6	64	2.1	6	10	48	1.04	0.069
STD OREAS45EA	Standard			1	694	22	33	<0.3	387	50	396	20.91	3	10	3	<0.5	<3	<3	306	0.04	0.029
STD OXC145	Standard		212																		
STD OXC145	Standard		208																		
STD OXH139	Standard		1240																		
STD OREAS45EA Expected				1.6	709	14.3	31.4	0.26	381	52	400	22.65	11	10.7	4.05				303	0.036	0.029
STD DS11 Expected				13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
STD OXH139 Expected			1312																		
STD OXC145 Expected			212																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001
BLK	Blank		<2																		
BLK	Blank		2																		
BLK	Blank		<2																		
Prep Wash																					
ROCK-WHI	Prep Blank		<2	1	4	7	41	<0.3	<1	4	579	1.95	4	<2	35	<0.5	<3	<3	23	0.94	0.039
ROCK-WHI	Prep Blank		<2	1	5	<3	51	<0.3	1	4	604	2.02	3	<2	40	<0.5	<3	<3	25	1.08	0.040

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PHONE (604) 253-3158

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake

Report Date: September 10, 2018

QUALITY CONTROL REPORT WHI18000578.1

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates																
1464118	Rock	42	37	0.69	81	0.203	<20	3.28	0.17	0.40	<2	3.68	<1	<5	10	<5
REP 1464118	QC	42	38	0.68	80	0.217	<20	3.29	0.17	0.39	<2	3.63	<1	<5	7	<5
1464127	Rock	40	32	0.92	60	0.265	<20	4.48	0.30	0.45	<2	5.20	<1	<5	11	<5
REP 1464127	QC															
Core Reject Duplicates																
1464125	Rock	5	130	1.72	31	0.246	<20	2.57	0.10	1.50	<2	7.21	<1	<5	6	9
DUP 1464125	QC	4	126	1.68	32	0.239	<20	2.48	0.10	1.44	<2	7.08	<1	<5	<5	9
Reference Materials																
STD DS11	Standard	16	54	0.83	412	0.087	<20	1.10	0.07	0.40	<2	0.28	<1	5	<5	<5
STD OREAS45EA	Standard	7	875	0.09	143	0.097	<20	3.27	0.01	0.05	<2	<0.05	<1	<5	15	82
STD OXC145	Standard															
STD OXC145	Standard															
STD OXH139	Standard															
STD OREAS45EA Expected		7.06	849	0.095	148	0.0984		3.32	0.02	0.053		0.036			12.4	78
STD DS11 Expected		18.6	61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1
STD OXH139 Expected																
STD OXC145 Expected																
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank															
BLK	Blank															
BLK	Blank															
Prep Wash																
ROCK-WHI	Prep Blank	6	4	0.50	64	0.080	<20	1.16	0.06	0.08	<2	0.13	<1	<5	<5	<5
ROCK-WHI	Prep Blank	6	5	0.52	72	0.084	<20	1.32	0.07	0.09	<2	0.10	<1	<5	<5	<5

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

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Submitted By: Carl Schulze
Receiving Lab: Canada-Whitehorse
Received: August 06, 2018
Report Date: September 12, 2018

CERTIFICATE OF ANALYSIS WHI18000579.1

CLIENT JOB INFORMATION

Project: Emerald Lake
Shipment ID:
P.O. Number
Number of Samples: 105

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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
DY060	105	Dry at 60C			WHI
SS80	105	Dry at 60C sieve 100g to -80 mesh			WHI
SVRJT	105	Save all or part of Soil Reject			WHI
FA350	102	lead collection fire assay 50g - ICP-ES finish	50	Completed	VAN
EN002	105	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	105	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	105	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

Invoice To: Aurora Geosciences Ltd. (Whitehorse)
34A Laberge Road
Whitehorse Yukon Y1A 5Y9
Canada

CC: Daniel Huang

JEFFREY CANNON
Geochemistry Department Supervisor

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All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 12, 2018

CERTIFICATE OF ANALYSIS WHI18000579.1

		Method	FA350	FA350	FA350	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
		Unit	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1464029	Soil		11	<3	4	8	104	18	87	0.7	24	8	404	5.54	66	4	57	<0.5	<3	<3	92	0.24
1464030	Soil		25	<3	5	12	118	29	131	0.8	39	13	599	7.21	123	11	48	<0.5	<3	8	107	0.27
1464031	Soil		17	<3	6	13	150	32	138	0.8	35	12	634	9.77	148	15	86	<0.5	<3	<3	117	0.18
1464032	Soil		40	<3	5	10	90	26	96	0.9	22	6	377	7.80	98	7	59	<0.5	3	11	102	0.11
1464033	Soil		37	<3	4	30	405	178	1492	1.5	329	129	>10000	4.04	562	24	62	10.5	5	9	60	0.29
1464034	Soil		38	<3	5	24	366	163	1233	1.5	278	105	>10000	4.00	543	21	64	7.8	4	14	60	0.29
1464035	Soil		32	<3	4	13	258	78	484	1.0	83	44	5961	4.22	364	18	64	1.7	<3	9	61	0.25
1464036	Soil		15	<3	4	8	130	43	121	0.5	26	12	1372	4.24	119	9	50	<0.5	<3	4	57	0.15
1464037	Soil		18	5	6	9	137	57	106	1.1	27	7	712	7.70	72	17	109	<0.5	<3	8	100	0.36
1464038	Soil		13	<3	3	7	106	36	95	0.4	26	13	1584	4.84	111	7	52	<0.5	<3	3	55	0.15
1464039	Soil		56	<3	2	5	52	146	177	0.5	9	8	1189	2.79	307	29	270	1.0	<3	17	38	0.71
1464040	Soil		26	<3	3	12	290	80	489	0.6	62	35	3088	4.22	345	16	58	0.6	<3	8	63	0.22
1464041	Soil		28	<3	3	16	206	29	227	0.8	68	31	2008	5.30	172	12	40	1.0	<3	<3	99	0.19
1464042	Soil		16	<3	5	14	215	28	218	0.8	60	29	2196	5.67	152	12	43	0.8	<3	<3	102	0.21
1464043	Soil		24	4	6	22	374	42	259	1.3	80	50	3118	7.67	202	17	66	0.7	<3	<3	121	0.18
1464044	Soil		26	4	7	23	340	41	212	1.1	74	46	2714	8.29	169	18	65	<0.5	3	<3	122	0.18
1464045	Soil		3	<3	<2	2	31	44	147	<0.3	21	3	351	1.76	173	25	60	<0.5	<3	<3	30	0.54
1464046	Soil		16	<3	7	13	202	30	214	0.8	62	29	1953	5.28	181	13	41	<0.5	<3	<3	98	0.19
1464047	Soil		16	<3	<2	10	78	126	117	0.8	20	9	1035	3.35	306	3	41	<0.5	4	9	55	0.22
1464048	Soil		27	<3	<2	8	120	186	276	0.6	32	24	2266	3.01	323	22	42	1.1	4	11	39	0.20
1464049	Soil		7	<3	<2	5	18	58	39	<0.3	4	2	458	1.88	55	10	4	<0.5	<3	7	18	0.05
1464050	Soil		6	12	<2	2	18	46	17	<0.3	<1	3	651	1.41	18	18	11	<0.5	<3	<3	4	0.29
1464051	Soil		13	<3	<2	2	18	78	63	<0.3	7	3	287	2.81	129	5	13	<0.5	<3	8	45	0.04
1464052	Soil		5	<3	<2	7	22	57	67	<0.3	11	4	298	2.49	116	4	20	<0.5	<3	6	38	0.10
1464053	Soil		10	<3	3	3	24	138	184	0.3	15	6	381	2.89	294	9	31	<0.5	<3	5	54	0.13
1464054	Soil		15	<3	<2	8	42	50	93	0.5	15	6	575	2.43	130	2	36	<0.5	<3	7	36	0.14
1464055	Soil		316	<3	<2	2	46	98	161	<0.3	8	5	707	2.14	142	40	66	<0.5	<3	16	22	0.20
1464056	Soil		60	<3	<2	12	42	116	110	0.9	17	9	632	3.26	768	4	50	<0.5	<3	22	50	0.20
1464057	Soil		6	<3	<2	<1	25	20	33	<0.3	3	3	619	1.68	23	30	199	<0.5	<3	<3	18	0.43
1464058	Soil		51	<3	<2	2	39	122	104	0.7	5	6	834	2.90	244	48	120	<0.5	<3	20	33	0.80

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34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 12, 2018

CERTIFICATE OF ANALYSIS WHI18000579.1

		Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1464029	Soil		0.188	26	38	0.76	469	0.109	<20	2.48	0.02	0.27	2	0.11	<1	<5	<5	<5
1464030	Soil		0.205	31	48	0.80	380	0.131	<20	2.52	0.02	0.35	7	0.12	<1	<5	6	<5
1464031	Soil		0.262	39	52	0.99	633	0.164	<20	3.03	0.03	0.51	10	0.19	<1	<5	<5	6
1464032	Soil		0.177	30	43	0.68	349	0.103	<20	2.60	0.01	0.28	3	0.14	<1	<5	<5	<5
1464033	Soil		0.117	90	29	0.81	254	0.043	<20	3.67	0.01	0.28	3	0.11	<1	<5	10	<5
1464034	Soil		0.115	67	30	0.80	244	0.046	<20	3.44	0.01	0.27	<2	0.10	<1	<5	10	<5
1464035	Soil		0.108	39	31	0.80	233	0.050	<20	2.83	0.01	0.25	<2	0.10	<1	<5	5	<5
1464036	Soil		0.093	20	32	0.79	257	0.050	<20	2.03	0.01	0.23	<2	0.15	<1	<5	<5	<5
1464037	Soil		0.170	29	51	0.94	335	0.111	<20	2.44	0.03	0.48	<2	0.28	<1	<5	<5	5
1464038	Soil		0.100	18	28	0.74	241	0.044	<20	1.59	0.02	0.20	<2	0.18	<1	<5	<5	<5
1464039	Soil		0.098	66	14	0.55	125	0.024	<20	2.04	0.01	0.30	<2	<0.05	<1	<5	9	<5
1464040	Soil		0.114	37	34	0.85	229	0.051	<20	2.77	0.01	0.26	<2	0.08	<1	<5	6	<5
1464041	Soil		0.147	33	43	0.77	251	0.095	<20	2.36	0.01	0.41	2	0.09	<1	<5	<5	<5
1464042	Soil		0.158	30	42	0.77	263	0.100	<20	2.33	0.01	0.42	3	0.09	<1	<5	<5	<5
1464043	Soil		0.188	27	50	0.94	298	0.118	<20	3.19	0.02	0.52	2	0.22	<1	<5	<5	6
1464044	Soil		0.196	26	49	0.94	297	0.120	<20	2.98	0.02	0.52	2	0.23	<1	<5	<5	6
1464045	Soil		0.099	57	8	0.67	153	0.006	<20	1.95	<0.01	0.19	<2	<0.05	<1	<5	7	<5
1464046	Soil		0.153	35	43	0.77	260	0.106	<20	2.45	0.01	0.42	3	0.08	<1	<5	<5	5
1464047	Soil		0.100	32	28	0.61	122	0.031	<20	1.76	0.01	0.13	<2	0.10	<1	<5	5	<5
1464048	Soil		0.080	50	19	0.50	146	0.030	<20	1.56	<0.01	0.17	<2	<0.05	<1	<5	6	<5
1464049	Soil		0.034	12	6	0.12	28	0.006	<20	0.94	<0.01	0.09	<2	<0.05	<1	<5	6	<5
1464050	Soil		0.034	21	1	0.10	19	<0.001	<20	0.86	<0.01	0.09	<2	<0.05	<1	<5	<5	<5
1464051	Soil		0.040	13	17	0.32	47	0.046	<20	1.70	<0.01	0.15	<2	<0.05	<1	<5	8	<5
1464052	Soil		0.062	18	16	0.29	54	0.019	<20	1.78	<0.01	0.10	<2	0.05	<1	<5	6	<5
1464053	Soil		0.067	28	25	0.51	90	0.051	<20	2.06	<0.01	0.14	<2	<0.05	<1	<5	6	<5
1464054	Soil		0.092	31	16	0.39	69	0.021	<20	1.94	0.01	0.12	<2	0.13	<1	<5	6	<5
1464055	Soil		0.063	54	8	0.78	89	0.006	<20	3.11	<0.01	0.15	<2	<0.05	<1	<5	7	<5
1464056	Soil		0.076	39	27	0.49	110	0.028	<20	2.19	<0.01	0.11	<2	0.07	<1	<5	9	<5
1464057	Soil		0.052	44	5	0.59	105	0.004	<20	2.68	<0.01	0.17	<2	<0.05	<1	<5	7	<5
1464058	Soil		0.111	73	12	0.61	103	0.004	<20	2.70	<0.01	0.19	<2	0.05	<1	<5	9	<5

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34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 12, 2018

CERTIFICATE OF ANALYSIS WHI18000579.1

	Method	FA350	FA350	FA350	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1464059	Soil	101	<3	<2	<1	33	78	71	0.5	4	6	879	2.63	127	64	195	<0.5	<3	52	48	1.06
1464331	Soil	3	<3	<2	4	10	11	23	0.6	5	2	112	1.78	19	<2	8	<0.5	<3	<3	76	0.06
1464332	Soil	10	<3	<2	12	14	14	23	<0.3	8	1	99	1.62	35	<2	19	<0.5	<3	<3	58	0.14
1464333	Soil	4	3	<2	7	46	15	89	0.7	17	13	1458	4.67	20	<2	34	0.7	<3	<3	111	0.20
1464334	Soil	15	<3	8	9	110	18	94	1.0	30	13	814	6.39	36	2	34	<0.5	<3	<3	115	0.14
1464335	Soil	13	<3	5	5	53	13	82	0.5	20	11	882	4.25	19	<2	37	<0.5	<3	<3	93	0.20
1464336	Soil	7	7	<2	5	67	15	88	0.8	22	14	937	4.10	21	<2	38	0.8	<3	<3	92	0.23
1464337	Soil	2	<3	<2	4	20	15	41	0.7	10	4	353	3.49	28	<2	11	<0.5	<3	<3	97	0.08
1464338	Soil	19	<3	4	25	378	46	666	0.8	143	38	2206	4.07	195	18	54	2.8	<3	12	77	0.38
1464339	Soil	120	<3	3	18	270	33	512	0.7	139	33	1442	3.63	137	18	45	2.3	<3	8	76	0.37
1464340	Soil	16	<3	<2	12	63	17	29	<0.3	6	5	244	1.69	71	39	38	<0.5	<3	7	41	0.41
1464341	Soil	19	<3	<2	7	86	18	100	0.9	29	14	625	3.86	60	9	84	0.6	<3	9	85	0.79
1464342	Soil	15	<3	<2	7	86	16	106	0.5	30	13	501	3.73	61	10	81	0.7	<3	7	83	0.79
1464343	Soil	13	<3	3	6	79	16	84	0.5	24	11	399	3.67	58	7	84	0.6	<3	8	81	0.81
1464344	Soil	13	<3	<2	7	79	15	92	0.5	25	11	386	3.65	56	8	84	0.8	<3	7	85	0.81
1464345	Soil	19	<3	<2	6	75	15	72	0.5	22	11	382	3.77	55	8	85	0.5	<3	10	87	0.85
1464346	Soil	14	<3	2	11	74	24	97	0.5	28	10	454	3.44	58	10	74	0.7	<3	10	76	0.66
1464347	Soil	13	<3	<2	7	83	17	86	0.6	26	12	457	4.02	60	8	92	<0.5	<3	9	86	0.85
1464348	Soil	25	<3	4	6	87	16	81	0.5	24	11	381	3.97	55	7	93	0.5	<3	9	87	0.87
1464349	Soil	15	<3	2	7	84	18	74	0.5	22	11	435	3.98	55	8	85	<0.5	<3	11	81	0.82
1464350	Soil	33	<3	<2	6	72	13	63	0.4	20	10	347	3.81	51	7	81	<0.5	<3	9	87	0.86
1464351	Soil	5	<3	<2	4	24	19	34	0.5	8	4	338	3.39	26	2	10	<0.5	<3	<3	88	0.07
1464352	Soil	10	3	2	6	77	17	104	0.9	27	18	1161	5.10	30	<2	35	0.6	<3	<3	114	0.21
1464353	Soil	8	<3	<2	5	69	15	94	0.9	23	13	901	4.48	25	<2	30	0.9	<3	<3	106	0.15
1464354	Soil	9	<3	4	8	68	16	83	0.8	21	10	758	5.75	29	<2	27	<0.5	<3	<3	125	0.11
1464355	Soil	6	5	3	4	29	13	52	0.5	9	4	368	3.11	33	<2	14	<0.5	<3	<3	105	0.16
1464356	Soil	9	<3	<2	8	55	17	65	0.7	18	6	413	5.12	24	3	26	0.6	<3	<3	129	0.12
1464416	Soil	24	<3	<2	5	76	20	57	0.6	20	11	317	4.29	58	6	92	<0.5	<3	11	97	0.92
1464417	Soil	15	<3	2	20	131	27	78	0.6	28	13	552	3.76	68	6	62	<0.5	3	14	70	0.43
1464418	Soil	33	<3	13	5	82	14	63	0.5	23	11	321	4.12	48	5	96	0.6	<3	6	98	0.98

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Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 12, 2018

CERTIFICATE OF ANALYSIS WHI18000579.1

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1464059	Soil	0.137	80	13	0.74	119	0.009	<20	3.04	<0.01	0.31	<2	<0.05	<1	<5	10	<5
1464331	Soil	0.038	17	19	0.19	65	0.085	<20	0.69	<0.01	0.11	<2	<0.05	<1	<5	<5	<5
1464332	Soil	0.052	13	17	0.18	69	0.043	<20	0.83	<0.01	0.05	7	0.05	<1	<5	5	<5
1464333	Soil	0.138	15	52	0.69	292	0.070	<20	1.54	0.01	0.36	<2	0.15	<1	<5	6	<5
1464334	Soil	0.177	15	57	0.77	295	0.104	<20	1.99	0.01	0.39	<2	0.20	<1	<5	<5	<5
1464335	Soil	0.135	14	48	0.61	312	0.050	<20	1.56	0.01	0.28	<2	0.17	<1	<5	<5	<5
1464336	Soil	0.142	16	43	0.59	292	0.062	<20	1.64	0.01	0.27	<2	0.17	<1	<5	<5	<5
1464337	Soil	0.075	21	39	0.42	167	0.111	<20	1.56	<0.01	0.18	<2	0.05	<1	<5	5	<5
1464338	Soil	0.157	80	36	0.81	191	0.087	<20	3.41	0.01	0.33	6	0.10	<1	<5	5	<5
1464339	Soil	0.138	65	31	0.61	144	0.072	<20	2.50	0.01	0.26	13	0.07	<1	<5	<5	<5
1464340	Soil	0.124	58	7	0.19	47	0.045	<20	0.54	0.01	0.11	31	<0.05	<1	<5	<5	<5
1464341	Soil	0.213	30	43	0.89	364	0.149	<20	2.06	0.07	0.59	4	0.13	<1	<5	<5	<5
1464342	Soil	0.216	30	44	0.88	365	0.139	<20	1.98	0.06	0.59	6	0.12	<1	<5	<5	<5
1464343	Soil	0.217	27	43	0.87	359	0.138	<20	1.92	0.06	0.58	3	0.16	<1	<5	<5	<5
1464344	Soil	0.218	30	44	0.86	363	0.138	<20	1.93	0.06	0.58	6	0.18	<1	<5	<5	<5
1464345	Soil	0.227	29	46	0.90	375	0.138	<20	1.97	0.07	0.62	9	0.14	<1	<5	<5	<5
1464346	Soil	0.182	33	35	0.74	309	0.114	<20	1.75	0.04	0.45	47	<0.05	<1	<5	<5	<5
1464347	Soil	0.228	30	45	0.90	368	0.151	<20	2.16	0.07	0.61	13	0.13	<1	<5	<5	<5
1464348	Soil	0.235	28	46	0.93	385	0.147	<20	2.10	0.07	0.63	5	0.18	<1	<5	<5	<5
1464349	Soil	0.230	27	42	0.91	378	0.146	<20	2.07	0.07	0.61	9	0.10	<1	<5	<5	<5
1464350	Soil	0.241	27	45	0.90	382	0.139	<20	1.95	0.07	0.62	14	0.17	<1	<5	<5	<5
1464351	Soil	0.050	19	36	0.47	183	0.105	<20	1.50	<0.01	0.22	<2	<0.05	<1	<5	<5	<5
1464352	Soil	0.168	19	54	0.77	328	0.099	<20	2.07	0.01	0.31	<2	0.18	<1	<5	<5	<5
1464353	Soil	0.149	19	51	0.66	268	0.074	<20	2.02	0.01	0.27	<2	0.18	<1	<5	5	<5
1464354	Soil	0.162	19	61	0.77	269	0.101	<20	2.34	0.01	0.27	<2	0.17	<1	<5	<5	<5
1464355	Soil	0.091	21	36	0.45	149	0.081	<20	1.57	0.01	0.18	<2	0.06	<1	<5	6	<5
1464356	Soil	0.117	22	64	0.81	256	0.131	<20	2.08	<0.01	0.33	<2	0.15	<1	<5	<5	<5
1464416	Soil	0.253	23	55	1.01	443	0.152	<20	2.26	0.08	0.74	2	0.25	<1	<5	<5	5
1464417	Soil	0.164	20	33	0.67	276	0.099	<20	1.42	0.03	0.42	13	0.14	<1	<5	<5	<5
1464418	Soil	0.262	23	54	1.03	442	0.158	<20	2.20	0.08	0.73	<2	0.30	<1	<5	<5	<5

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	Method	FA350	FA350	FA350	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1464419	Soil	17	<3	4	10	110	58	108	0.6	28	13	505	3.07	153	20	57	<0.5	10	15	58	0.49
1464420	Soil	15	6	<2	5	81	15	55	0.5	21	10	318	4.19	53	6	92	0.5	<3	9	90	0.88
1464421	Soil	13	<3	<2	6	76	15	55	0.5	19	10	327	4.05	53	6	88	<0.5	<3	14	91	0.86
1464422	Soil	12	<3	3	6	80	15	58	0.5	21	11	330	4.03	51	6	91	<0.5	<3	8	91	0.91
1464423	Soil	22	<3	<2	7	88	17	68	0.5	22	11	374	4.22	56	7	93	<0.5	<3	8	93	0.91
1464424	Soil	31	<3	4	10	185	25	244	0.7	54	48	2055	3.96	128	23	70	1.2	<3	4	78	0.52
1464425	Soil	22	<3	<2	6	73	16	57	0.6	20	10	322	3.90	49	6	90	<0.5	<3	8	90	0.89
1464426	Soil	14	<3	3	6	82	18	69	0.5	22	11	363	3.98	54	7	93	<0.5	<3	7	89	0.90
1464427	Soil	9	<3	<2	5	73	14	58	0.4	19	10	322	3.87	47	6	91	<0.5	<3	8	90	0.88
1464428	Soil	23	<3	4	16	257	47	467	0.8	99	23	1306	3.62	165	19	50	1.9	<3	20	67	0.37
1464429	Soil	139	<3	11	10	148	22	305	0.6	58	18	1000	3.43	83	12	67	1.2	<3	6	74	0.60
1464430	Soil	22	<3	10	6	78	17	70	0.5	21	11	348	3.88	54	6	89	<0.5	<3	11	83	0.83
1464431	Soil	20	19	16	6	73	15	75	<0.3	21	8	326	3.75	44	6	86	<0.5	<3	7	84	0.82
1464432	Soil	I.S.	I.S.	I.S.	6	72	16	72	<0.3	20	9	388	3.64	52	6	83	<0.5	<3	6	83	0.79
1464433	Soil	21	<3	3	10	67	82	124	<0.3	24	17	911	3.54	204	10	38	<0.5	<3	9	68	0.40
1464434	Soil	I.S.	I.S.	I.S.	9	49	270	129	0.8	23	16	1704	2.23	300	9	22	<0.5	6	15	24	0.12
1464435	Soil	13	12	8	16	103	147	235	0.6	13	8	868	2.83	274	9	10	<0.5	5	8	30	0.07
1464436	Soil	9	<3	<2	4	48	82	287	<0.3	2	2	124	0.99	122	38	10	0.9	4	5	9	0.15
1464437	Soil	56	<3	4	7	43	999	843	3.9	6	5	3293	2.79	898	18	41	4.6	25	7	25	0.35
1464438	Soil	56	<3	3	3	50	211	559	0.3	10	7	1049	2.67	320	29	62	2.1	4	7	41	0.30
1464439	Soil	11	<3	<2	4	30	24	32	<0.3	7	3	149	2.74	32	2	16	<0.5	<3	3	51	0.08
1464440	Soil	35	<3	<2	2	31	296	390	<0.3	14	7	804	2.43	160	25	25	<0.5	<3	4	38	0.19
1464441	Soil	35	5	4	8	157	132	218	0.4	42	10	539	3.95	294	17	89	0.7	<3	14	79	0.36
1464442	Soil	15	<3	2	9	111	44	80	0.3	20	10	965	4.32	141	11	49	<0.5	<3	6	50	0.19
1464443	Soil	I.S.	I.S.	I.S.	5	91	53	55	<0.3	15	10	662	3.97	50	100	28	<0.5	<3	4	45	0.47
1464444	Soil	12	<3	3	3	20	30	67	<0.3	14	5	283	2.97	36	<2	18	<0.5	<3	3	61	0.08
1464445	Soil	22	<3	<2	4	37	204	144	1.2	7	4	687	1.96	47	30	131	<0.5	<3	14	24	0.41
1464446	Soil	41	6	<2	2	22	61	57	<0.3	4	5	633	2.56	177	53	53	<0.5	4	22	53	0.47
1464447	Soil	55	5	7	4	124	24	95	<0.3	32	16	2519	2.74	161	2	22	0.5	<3	<3	44	0.14
1464448	Soil	19	<3	8	2	70	28	56	<0.3	23	9	1267	2.98	107	2	15	<0.5	<3	<3	35	0.09

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 12, 2018

CERTIFICATE OF ANALYSIS WHI18000579.1

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1464419	Soil	0.149	40	25	0.60	184	0.089	<20	1.31	0.03	0.38	3	<0.05	<1	<5	<5	<5
1464420	Soil	0.251	24	49	0.96	422	0.157	<20	2.15	0.07	0.65	2	0.23	<1	<5	<5	<5
1464421	Soil	0.239	24	49	0.97	410	0.149	<20	2.15	0.07	0.67	4	0.18	<1	<5	<5	<5
1464422	Soil	0.247	23	49	0.95	415	0.148	<20	2.13	0.07	0.69	2	0.23	<1	<5	<5	<5
1464423	Soil	0.255	27	50	0.98	425	0.155	<20	2.19	0.07	0.69	8	0.21	<1	<5	<5	<5
1464424	Soil	0.182	69	35	0.79	282	0.141	<20	2.43	0.03	0.44	8	0.06	<1	<5	<5	<5
1464425	Soil	0.240	23	49	0.95	400	0.139	<20	2.09	0.07	0.68	2	0.21	<1	<5	<5	<5
1464426	Soil	0.243	26	48	0.97	404	0.149	<20	2.06	0.07	0.65	3	0.22	<1	<5	<5	<5
1464427	Soil	0.234	23	49	0.94	397	0.140	<20	2.09	0.08	0.68	5	0.21	<1	<5	<5	<5
1464428	Soil	0.153	64	30	0.69	164	0.075	<20	2.47	<0.01	0.29	8	0.07	<1	<5	<5	<5
1464429	Soil	0.179	39	36	0.78	287	0.106	<20	2.20	0.05	0.49	9	0.09	<1	<5	<5	<5
1464430	Soil	0.231	25	45	0.90	374	0.137	<20	2.01	0.07	0.61	5	0.18	<1	<5	<5	<5
1464431	Soil	0.222	25	40	0.88	359	0.133	<20	1.88	0.07	0.61	3	0.18	<1	<5	5	<5
1464432	Soil	0.213	26	36	0.86	347	0.133	<20	1.86	0.07	0.59	4	0.16	<1	<5	<5	<5
1464433	Soil	0.148	34	24	0.59	186	0.086	<20	1.62	0.02	0.26	10	<0.05	<1	<5	6	<5
1464434	Soil	0.075	36	20	0.23	61	0.016	<20	1.16	0.01	0.12	<2	0.07	<1	<5	<5	<5
1464435	Soil	0.076	45	16	0.23	64	0.029	<20	1.37	<0.01	0.16	3	0.07	<1	<5	7	<5
1464436	Soil	0.048	51	2	0.08	23	0.005	<20	0.52	<0.01	0.11	<2	<0.05	<1	<5	<5	<5
1464437	Soil	0.047	45	8	0.25	47	0.018	<20	1.29	<0.01	0.15	3	0.07	<1	<5	7	<5
1464438	Soil	0.103	59	13	0.45	86	0.073	<20	1.28	<0.01	0.34	3	<0.05	<1	<5	5	<5
1464439	Soil	0.095	16	10	0.24	56	0.052	<20	1.32	0.01	0.17	<2	0.09	<1	<5	8	<5
1464440	Soil	0.088	42	13	0.91	68	0.049	<20	2.72	<0.01	0.25	<2	<0.05	<1	<5	9	<5
1464441	Soil	0.129	50	40	1.03	285	0.078	<20	2.53	<0.01	0.33	<2	<0.05	<1	<5	9	5
1464442	Soil	0.113	23	24	0.68	178	0.049	<20	1.61	<0.01	0.19	<2	0.11	<1	<5	5	<5
1464443	Soil	0.142	140	25	0.52	61	0.069	<20	1.25	0.01	0.30	<2	0.06	<1	<5	7	5
1464444	Soil	0.063	26	22	0.34	70	0.029	<20	1.80	<0.01	0.08	<2	<0.05	<1	<5	8	<5
1464445	Soil	0.059	62	10	0.29	63	0.026	<20	1.61	0.01	0.22	3	<0.05	<1	<5	<5	<5
1464446	Soil	0.153	77	7	0.33	34	0.064	<20	0.83	0.02	0.24	<2	<0.05	<1	<5	<5	<5
1464447	Soil	0.098	10	17	0.46	207	0.027	<20	0.87	<0.01	0.12	8	<0.05	<1	<5	<5	<5
1464448	Soil	0.069	8	18	0.53	212	0.033	<20	1.01	<0.01	0.15	<2	0.06	<1	<5	<5	<5

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Project: Emerald Lake
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	Method	FA350	FA350	FA350	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
1464449	Soil	19	7	9	8	137	66	134	1.2	37	12	1196	7.86	114	4	67	<0.5	4	9	136	0.12
1464450	Soil	26	<3	<2	21	234	178	97	0.6	30	3	207	4.91	55	24	62	<0.5	<3	39	67	0.25
1464451	Soil	16	<3	4	22	353	69	676	<0.3	156	35	1909	4.28	249	16	63	2.2	<3	11	70	0.39
1464452	Soil	16	<3	6	37	530	30	453	<0.3	117	43	2868	5.86	190	9	52	1.3	<3	<3	88	0.33
1464453	Soil	12	<3	<2	4	64	39	89	<0.3	18	9	619	3.11	54	29	45	<0.5	<3	7	56	0.24
1464454	Soil	13	<3	<2	6	69	57	89	<0.3	20	10	797	3.67	66	18	90	<0.5	<3	10	57	0.33
1464455	Soil	9	5	<2	5	122	28	100	<0.3	15	11	813	3.92	26	47	45	<0.5	<3	4	62	0.34
1464456	Soil	12	5	7	5	44	26	43	<0.3	15	6	324	4.02	62	5	17	<0.5	<3	6	89	0.12
1464457	Soil	15	<3	<2	1	17	15	24	<0.3	5	3	201	1.62	28	9	14	<0.5	<3	<3	34	0.21
1464458	Soil	44	5	<2	2	33	28	50	<0.3	11	6	346	2.22	32	18	30	<0.5	<3	6	43	0.27
1464459	Soil	25	4	<2	3	70	58	94	<0.3	14	8	611	3.15	81	37	30	<0.5	<3	15	59	0.33
1464460	Soil	11	<3	2	2	40	42	79	<0.3	14	7	524	2.75	41	35	39	<0.5	<3	7	51	0.35
1464461	Soil	4	3	4	<1	6	6	11	<0.3	5	<1	27	0.54	4	<2	12	<0.5	<3	<3	11	0.06
1464462	Soil	4	7	4	<1	19	122	191	<0.3	10	5	613	2.72	62	39	30	<0.5	<3	<3	59	0.34
1464463	Soil	<2	3	<2	<1	10	19	42	<0.3	6	4	351	2.37	5	23	19	<0.5	<3	<3	53	0.31

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	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
1464449	Soil	0.169	16	62	0.96	606	0.103	<20	2.33	0.02	0.44	<2	0.23	<1	<5	7	6
1464450	Soil	0.142	73	27	0.36	120	0.045	<20	1.91	0.01	0.17	35	0.14	<1	<5	<5	<5
1464451	Soil	0.152	78	33	0.85	188	0.076	<20	3.29	<0.01	0.32	4	0.10	<1	<5	7	5
1464452	Soil	0.199	46	43	0.94	252	0.096	<20	3.65	<0.01	0.39	8	0.14	<1	<5	6	5
1464453	Soil	0.091	55	17	0.60	107	0.091	<20	1.95	0.01	0.31	6	<0.05	<1	<5	9	<5
1464454	Soil	0.085	82	22	0.86	175	0.053	<20	3.04	<0.01	0.21	4	<0.05	<1	<5	11	<5
1464455	Soil	0.149	75	14	0.58	113	0.094	<20	1.94	<0.01	0.48	5	<0.05	<1	<5	7	5
1464456	Soil	0.082	27	33	0.74	145	0.116	<20	2.48	<0.01	0.36	4	<0.05	<1	<5	10	<5
1464457	Soil	0.091	35	7	0.25	50	0.049	<20	1.05	<0.01	0.14	6	<0.05	<1	<5	<5	<5
1464458	Soil	0.103	48	15	0.42	80	0.073	<20	1.31	0.01	0.23	4	<0.05	<1	<5	<5	<5
1464459	Soil	0.126	61	17	0.62	105	0.093	<20	2.12	0.01	0.31	7	<0.05	<1	<5	8	<5
1464460	Soil	0.121	59	11	0.54	125	0.098	<20	1.36	0.01	0.38	4	<0.05	<1	<5	5	<5
1464461	Soil	0.028	5	4	0.05	22	0.017	<20	0.33	0.03	0.03	<2	<0.05	<1	<5	<5	<5
1464462	Soil	0.112	63	11	0.38	68	0.079	<20	1.15	0.01	0.29	4	<0.05	<1	<5	6	<5
1464463	Soil	0.101	51	9	0.34	68	0.082	<20	1.29	0.01	0.25	5	<0.05	<1	<5	<5	<5

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Project: Emerald Lake
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QUALITY CONTROL REPORT WHI18000579.1

	Method	FA350	FA350	FA350	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	2	3	2	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01
Pulp Duplicates																					
1464044	Soil	26	4	7	23	340	41	212	1.1	74	46	2714	8.29	169	18	65	<0.5	3	<3	122	0.18
REP 1464044	QC	20	<3	9																	
1464331	Soil	3	<3	<2	4	10	11	23	0.6	5	2	112	1.78	19	<2	8	<0.5	<3	<3	76	0.06
REP 1464331	QC				4	10	12	23	0.6	5	2	116	1.81	20	<2	8	<0.5	<3	<3	78	0.06
1464350	Soil	33	<3	<2	6	72	13	63	0.4	20	10	347	3.81	51	7	81	<0.5	<3	9	87	0.86
REP 1464350	QC	44	3	3																	
1464426	Soil	14	<3	3	6	82	18	69	0.5	22	11	363	3.98	54	7	93	<0.5	<3	7	89	0.90
REP 1464426	QC				6	82	18	66	0.5	22	11	362	4.09	54	7	96	<0.5	<3	8	88	0.90
1464433	Soil	21	<3	3	10	67	82	124	<0.3	24	17	911	3.54	204	10	38	<0.5	<3	9	68	0.40
REP 1464433	QC	30	<3	<2																	
1464444	Soil	12	<3	3	3	20	30	67	<0.3	14	5	283	2.97	36	<2	18	<0.5	<3	3	61	0.08
REP 1464444	QC	8	4	<2																	
1464460	Soil	11	<3	2	2	40	42	79	<0.3	14	7	524	2.75	41	35	39	<0.5	<3	7	51	0.35
REP 1464460	QC				2	38	39	76	<0.3	13	7	506	2.70	39	36	38	<0.5	<3	7	51	0.34
Reference Materials																					
STD DS11	Standard				13	144	131	337	2.1	74	12	1016	3.06	47	8	63	2.1	8	11	48	1.05
STD DS11	Standard				14	147	138	348	1.6	77	12	1022	3.15	48	7	68	2.3	7	12	50	1.07
STD DS11	Standard				15	154	136	349	2.0	79	14	1057	3.26	44	8	68	2.3	7	12	52	1.12
STD OREAS45EA	Standard				3	716	12	31	1.0	398	51	411	23.65	13	11	4	0.8	<3	<3	323	0.03
STD OREAS45EA	Standard				2	729	13	35	0.4	411	52	421	24.99	5	8	4	<0.5	<3	<3	318	0.04
STD OREAS45EA	Standard				2	750	11	32	0.8	418	53	438	26.29	13	12	4	0.5	<3	<3	334	0.03
STD PD05	Standard	506	440	612																	
STD PD05	Standard	496	428	595																	
STD PD05	Standard	547	441	626																	
STD PG04	Standard	1011	919	1253																	
STD PG04	Standard	988	944	1222																	
STD PG04	Standard	978	918	1206																	
STD OREAS45EA Expected					1.6	709	14.3	31.4	0.26	381	52	400	22.65	11	10.7	4.05				303	0.036

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QUALITY CONTROL REPORT WHI18000579.1

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates																	
1464044	Soil	0.196	26	49	0.94	297	0.120	<20	2.98	0.02	0.52	2	0.23	<1	<5	<5	6
REP 1464044	QC																
1464331	Soil	0.038	17	19	0.19	65	0.085	<20	0.69	<0.01	0.11	<2	<0.05	<1	<5	<5	<5
REP 1464331	QC	0.038	17	19	0.19	66	0.085	<20	0.71	<0.01	0.11	<2	<0.05	<1	<5	<5	<5
1464350	Soil	0.241	27	45	0.90	382	0.139	<20	1.95	0.07	0.62	14	0.17	<1	<5	<5	<5
REP 1464350	QC																
1464426	Soil	0.243	26	48	0.97	404	0.149	<20	2.06	0.07	0.65	3	0.22	<1	<5	<5	<5
REP 1464426	QC	0.248	25	48	0.96	405	0.156	<20	2.15	0.07	0.65	3	0.22	<1	<5	<5	<5
1464433	Soil	0.148	34	24	0.59	186	0.086	<20	1.62	0.02	0.26	10	<0.05	<1	<5	6	<5
REP 1464433	QC																
1464444	Soil	0.063	26	22	0.34	70	0.029	<20	1.80	<0.01	0.08	<2	<0.05	<1	<5	8	<5
REP 1464444	QC																
1464460	Soil	0.121	59	11	0.54	125	0.098	<20	1.36	0.01	0.38	4	<0.05	<1	<5	5	<5
REP 1464460	QC	0.116	55	12	0.52	119	0.095	<20	1.32	0.01	0.37	4	<0.05	<1	<5	5	<5
Reference Materials																	
STD DS11	Standard	0.068	17	61	0.84	431	0.090	<20	1.14	0.07	0.40	3	0.27	<1	<5	<5	<5
STD DS11	Standard	0.071	18	59	0.86	389	0.093	23	1.16	0.08	0.41	3	0.28	1	5	<5	<5
STD DS11	Standard	0.069	19	64	0.89	418	0.099	<20	1.24	0.08	0.43	<2	0.28	<1	6	<5	<5
STD OREAS45EA	Standard	0.032	8	987	0.10	155	0.105	<20	3.55	0.02	0.06	<2	<0.05	<1	<5	8	91
STD OREAS45EA	Standard	0.031	8	897	0.10	153	0.105	<20	3.65	0.02	0.06	<2	<0.05	<1	<5	16	88
STD OREAS45EA	Standard	0.032	8	1021	0.11	162	0.107	<20	3.83	0.02	0.06	<2	<0.05	<1	<5	<5	92
STD PD05	Standard																
STD PD05	Standard																
STD PD05	Standard																
STD PG04	Standard																
STD PG04	Standard																
STD PG04	Standard																
STD OREAS45EA Expected		0.029	7.06	849	0.095	148	0.0984		3.32	0.02	0.053		0.036			12.4	78

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QUALITY CONTROL REPORT WHI18000579.1

		FA350 Au ppb 2	FA350 Pt ppb 3	FA350 Pd ppb 2	AQ300 Mo ppm 1	AQ300 Cu ppm 1	AQ300 Pb ppm 3	AQ300 Zn ppm 1	AQ300 Ag ppm 0.3	AQ300 Ni ppm 1	AQ300 Co ppm 1	AQ300 Mn ppm 2	AQ300 Fe % 0.01	AQ300 As ppm 2	AQ300 Th ppm 2	AQ300 Sr ppm 1	AQ300 Cd ppm 0.5	AQ300 Sb ppm 3	AQ300 Bi ppm 3	AQ300 V ppm 1	AQ300 Ca % 0.01
STD DS11 Expected					13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50	1.063
STD PG04 Expected		1004	903	1196																	
STD PD05 Expected		519	430	596																	
BLK	Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank	<2	<3	<2																	
BLK	Blank	2	<3	<2																	
BLK	Blank	<2	<3	<2																	
BLK	Blank	<2	<3	<2																	
BLK	Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK	Blank	<2	<3	2																	
BLK	Blank	<2	<3	<2																	
BLK	Blank	2	<3	<2																	

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.

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: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road
Whitehorse Yukon Y1A 5Y9 Canada

Project: Emerald Lake
Report Date: September 12, 2018

QUALITY CONTROL REPORT WHI18000579.1

		AQ300 P % 0.001	AQ300 La ppm 1	AQ300 Cr ppm 1	AQ300 Mg % 0.01	AQ300 Ba ppm 1	AQ300 Ti % 0.001	AQ300 B ppm 20	AQ300 Al % 0.01	AQ300 Na % 0.01	AQ300 K % 0.01	AQ300 W ppm 2	AQ300 S % 0.05	AQ300 Hg ppm 1	AQ300 Tl ppm 5	AQ300 Ga ppm 5	AQ300 Sc ppm 5
STD DS11 Expected		0.0701	18.6	61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1
STD PG04 Expected																	
STD PD05 Expected																	
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank																
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank																
BLK	Blank																
BLK	Blank																

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.

APPENDIX 5

PROPERTY CLAIMS SUMMARY TABLE

Claim Status, Emerald Lake Property

As of Dec 4, 2018

District	Grant No.	Claim Name	Claim No.	Claim Owner	Recording Date	Staking Date	Expiry Date	NTS Sheet
Mayo	YD80803	Jones 1	1	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80804	Jones 2	2	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80805	Jones 3	3	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80806	Jones 4	4	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80807	Jones 5	5	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80808	Jones 6	6	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80809	Jones 7	7	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80810	Jones 8	8	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80811	Jones 9	9	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80812	Jones 10	10	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80813	Jones 11	11	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80814	Jones 12	12	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80815	Jones 13	13	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80816	Jones 14	14	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80817	Jones 15	15	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80818	Jones 16	16	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80819	Jones 17	17	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80820	Jones 18	18	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80821	Jones 19	19	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80822	Jones 20	20	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80823	Jones 21	21	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80824	Jones 22	22	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80825	Jones 23	23	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80826	Jones 24	24	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80827	Jones 25	25	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80828	Jones 26	26	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80829	Jones 27	27	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80830	Jones 28	28	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80831	Jones 29	29	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80832	Jones 30	30	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80833	Jones 31	31	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80834	Jones 32	32	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80835	Jones 33	33	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80836	Jones 34	34	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80837	Jones 35	35	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80838	Jones 36	36	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80839	Jones 37	37	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80840	Jones 38	38	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80841	Jones 39	39	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80842	Jones 40	40	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
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Mayo	YD80863	Jones 61	61	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
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Mayo	YD80871	Jones 69	69	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
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Mayo	YD80886	Jones 84	84	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
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Mayo	YD80888	Jones 86	86	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
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Mayo	YD80894	Jones 92	92	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
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Mayo	YD80896	Jones 94	94	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
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Mayo	YD80899	Jones 97	97	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80900	Jones 98	98	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80901	Jones 99	99	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80902	Jones 100	100	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2022-07-10	105O11
Mayo	YD80903	Jones 101	101	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2023-07-10	105O11
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Mayo	YD80905	Jones 103	103	Bartow Resources Inc. - 100%	2017-07-10	2017-07-05	2023-07-10	105O11
Mayo	YD80906	Jones 104	104	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80907	Jones 105	105	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80908	Jones 106	106	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80909	Jones 107	107	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80910	Jones 108	108	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80911	Jones 109	109	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80912	Jones 110	110	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80913	Jones 111	111	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80914	Jones 112	112	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80915	Jones 113	113	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80916	Jones 114	114	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11

Mayo	YD80917	Jones 115	115	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80918	Jones 116	116	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80919	Jones 117	117	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80920	Jones 118	118	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80921	Jones 119	119	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80922	Jones 120	120	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80923	Jones 121	121	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80924	Jones 122	122	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80925	Jones 123	123	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80926	Jones 124	124	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80927	Jones 125	125	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80928	Jones 126	126	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80929	Jones 127	127	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80930	Jones 128	128	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80931	Jones 129	129	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80932	Jones 130	130	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80933	Jones 131	131	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80934	Jones 132	132	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80935	Jones 133	133	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80936	Jones 134	134	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80937	Jones 135	135	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80938	Jones 136	136	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80939	Jones 137	137	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80940	Jones 138	138	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80941	Jones 139	139	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80942	Jones 140	140	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80943	Jones 141	141	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80944	Jones 142	142	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80945	Jones 143	143	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80946	Jones 144	144	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80947	Jones 145	145	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80948	Jones 146	146	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80949	Jones 147	147	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80950	Jones 148	148	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80951	Jones 149	149	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80952	Jones 150	150	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80953	Jones 151	151	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80954	Jones 152	152	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80955	Jones 153	153	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80956	Jones 154	154	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80957	Jones 155	155	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80958	Jones 156	156	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80959	Jones 157	157	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80960	Jones 158	158	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80961	Jones 159	159	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80962	Jones 160	160	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80963	Jones 161	161	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80964	Jones 162	162	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80965	Jones 163	163	Bartow Resources Inc. - 100%	2017-07-10	2017-07-06	2022-07-10	105O11
Mayo	YD80966	Jones 164	164	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80967	Jones 165	165	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80968	Jones 166	166	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80969	Jones 167	167	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80970	Jones 168	168	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80971	Jones 169	169	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80972	Jones 170	170	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80973	Jones 171	171	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80974	Jones 172	172	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80975	Jones 173	173	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11

Mayo	YD80976	Jones 174	174	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80978	Jones 176	176	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80979	Jones 177	177	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80980	Jones 178	178	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80981	Jones 179	179	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80982	Jones 180	180	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80983	Jones 181	181	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80984	Jones 182	182	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80985	Jones 183	183	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80986	Jones 184	184	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80987	Jones 185	185	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80988	Jones 186	186	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80989	Jones 187	187	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80990	Jones 188	188	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80991	Jones 189	189	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80992	Jones 190	190	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80993	Jones 191	191	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80994	Jones 192	192	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80995	Jones 193	193	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80996	Jones 194	194	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80997	Jones 195	195	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD80998	Jones 196	196	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
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Mayo	YD81000	Jones 198	198	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
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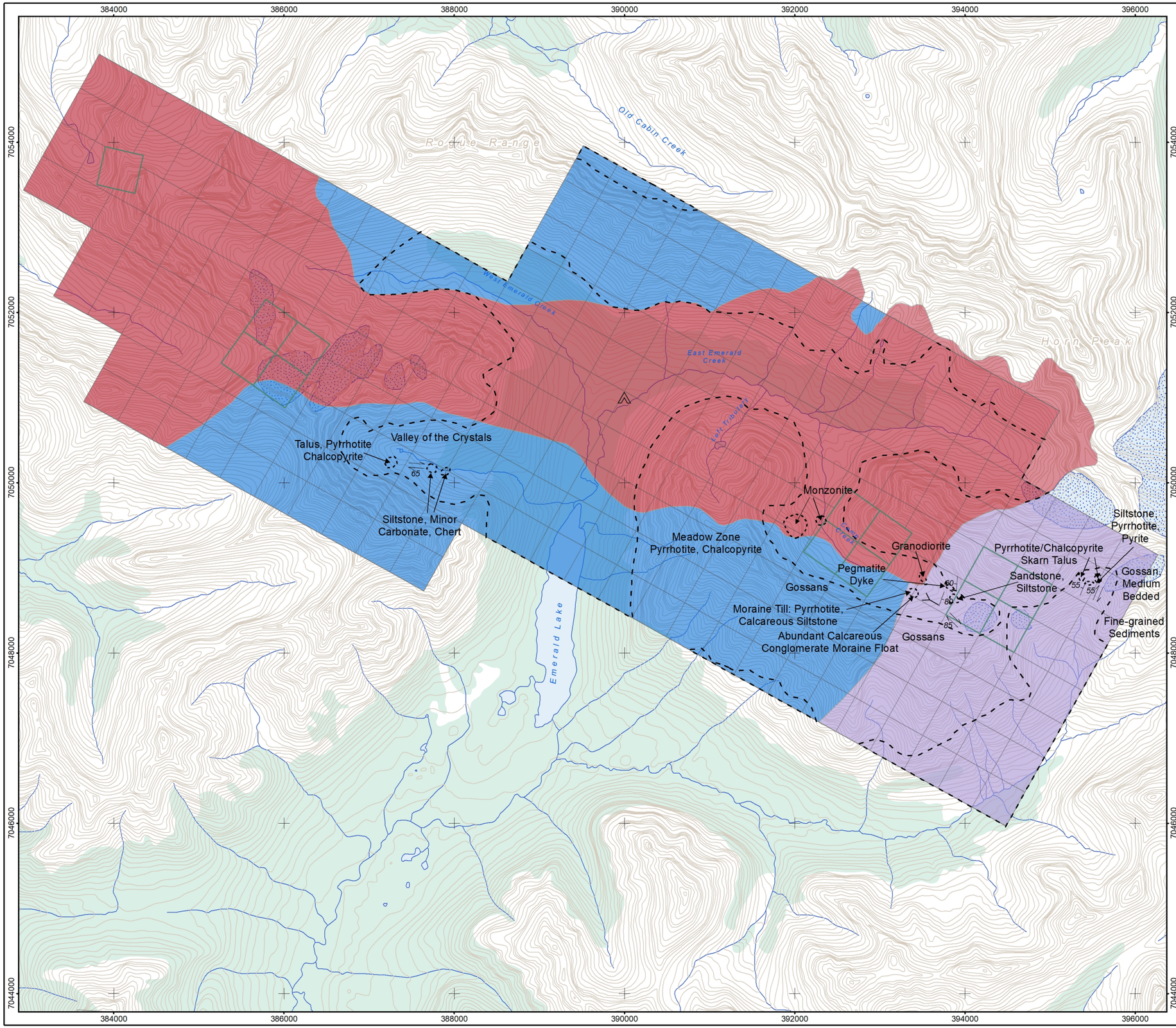
Mayo	YD81002	Jones 200	200	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81403	Jones 201	201	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81442	Jones 202	202	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81443	Jones 203	203	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81444	Jones 204	204	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81445	Jones 205	205	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81446	Jones 206	206	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81447	Jones 207	207	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81448	Jones 208	208	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81411	Jones 209	209	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81412	Jones 210	210	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81413	Jones 211	211	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81414	Jones 212	212	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81415	Jones 213	213	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81416	Jones 214	214	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81417	Jones 215	215	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81418	Jones 216	216	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81419	Jones 217	217	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81420	Jones 218	218	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81421	Jones 219	219	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81422	Jones 220	220	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81423	Jones 221	221	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81424	Jones 222	222	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81425	Jones 223	223	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81426	Jones 224	224	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81427	Jones 225	225	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81428	Jones 226	226	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81429	Jones 227	227	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81430	Jones 228	228	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81431	Jones 229	229	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81432	Jones 230	230	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81433	Jones 231	231	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81434	Jones 232	232	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81435	Jones 233	233	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11

Mayo	YD81436	Jones 234	234	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81437	Jones 235	235	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81438	Jones 236	236	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81439	Jones 237	237	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81440	Jones 238	238	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YD81441	Jones 239	239	Bartow Resources Inc. - 100%	2017-07-10	2017-07-07	2022-07-10	105O11
Mayo	YE22269	Jones 240	240	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22270	Jones 241	241	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22271	Jones 242	242	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22272	Jones 243	243	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22273	Jones 244	244	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22274	Jones 245	245	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22275	Jones 246	246	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22276	Jones 247	247	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22277	Jones 248	248	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22278	Jones 249	249	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22279	Jones 250	250	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22280	Jones 251	251	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22281	Jones 252	252	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22282	Jones 253	253	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22283	Jones 254	254	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11
Mayo	YE22284	Jones 255	255	Bartow Resources Inc. - 100%	2018-08-03	2018-07-26	2022-07-10	105O11

APPENDIX 6

EMERALD LAKE PROPERTY GEOLOGY MAP



LEGEND

- Camp
- Bedding
- Shear Zone
- Younging Direction of Bedding
- Outcrop Boundary
- Rubblecrop Boundary/Mineralized Talus Zone

Property Geology Units

- Emerald Lake Pluton (91-94 Ma Tombstone Suite): Porphyritic to megacrystic, K-spar monzonite - monzosyenite
- Earn Group (Devono-Mississipian): Shale, conglomerate, incl. chert-pebble conglomerate, argillite, local limestone, and carbonate beds
- Road River Group (Ordovician-Devonian): Shale, chert, siltsone, minor limestone and carbonate units
- Active Mineral Claims
- Vul and Wilson Claim Blocks
- Elevation Contour (m)
- Watercourse
- Icefield
- Waterbody
- Forested Area

REFERENCE

NTS 50K 105O11
BASE DATA OBTAINED FROM CANVEC©
DEPARTMENT OF NATURAL RESOURCES CANADA
ALL RIGHTS RESERVED.
DATUM: NAD 1983 CSRS UTM ZONE 9N
CREATED BY: AURORA GEOSCIENCES LTD.

N

0.5 0 0.5 1 1.5 2 2.5 3
SCALE 1:45,000 KILOMETRES

FILE ID: BRI-20181015-Property_Geology

PROJECT

BARTOW RESOURCES INC.

TITLE

PROPERTY GEOLOGY

AURORA GEOSCIENCES

PROJECT		BRI-18042-YT
DESIGN	RM	06/04/2017
GIS	JM	29/11/2018
CHECK	JM	06/12/2018
REVIEW	CS	06/12/2018
SCALE AS SHOWN		