ASSESSMENT REPORT

describing

MAPPING, PROSPECTING AND GEOCHEMICAL SAMPLING

fieldwork performed from August 31st to September 8th, 2019

at the

WARDEN AND PIKE PROPERTIES

WARDEN 1-4	YE96672-YE96675
PIKE 1-7	YE9665-YE96671
PIKE 8-9	YE96676-YE796677

NTS 105 D/3

Latitude 60°5'N; Longitude 135°23'W

located in the

Whitehorse Mining District
Yukon Territory

prepared by

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January 2020

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INTRODUCTION

The Warden and Pike properties cover base metal high sulphidation epithermal gold and copper molybdenum +- gold porphyry style mineralization in the Intermontane Belt of the Canadian Cordillera in southwestern Yukon.

This report describes an exploration program conducted by Ryan Burke and Charlie Pike between August 30th and September 8th, 2019. A combination of claim staking, geological mapping, prospecting and geochemical sampling was carried out by a two-person crew working from a tent camp on the property. The author supervised the program and interpreted all data in this report and his Statement of Qualifications appears in Appendix I. A Statement of Expenditures appears in Appendix II.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Warden property consists of 4 contiguous mineral claims and the Pike property consists of 9 contiguous mineral claims located 70 km south southwest of Whitehorse and 27 km west of Carcross, in southwestern Yukon, at latitude 60°5'N and longitude 135°23'W on mapsheet NTS 105D/ 03 (Figure 1).

The claims are registered in the Whitehorse Mining Recorder in the name of Ryan Burke. Claim data are listed below. Locations of individual claims are shown in Figure 2.

Claim Name	Grant Number	Expiry Date*
WARDEN 1-4	YE96672-YE96675	Sep. 10, 2020
PIKE 1-7	YE9665-YE96671	Sep. 9, 2020
PIKE 8-9	YE96676-YE796677	Sep. 9, 2020

* Expiry date does not include 2019 work filed for assessment and is pending approval

Access to and from the project area was directly from Whitehorse via an AS350SD helicopter provided by Horizon Helicopters Ltd.

Work on the Warden and Pike was completed from a tent camp located in the valley bottom directly south of Mt. Ward.

A helicopter staging area lies 9 km North of the property, at 479815 mE, 6671351 mN (UTM Zone 8; NAD 1983). The staging area is accessible with a 4x4 truck via the Annie Lake Road.

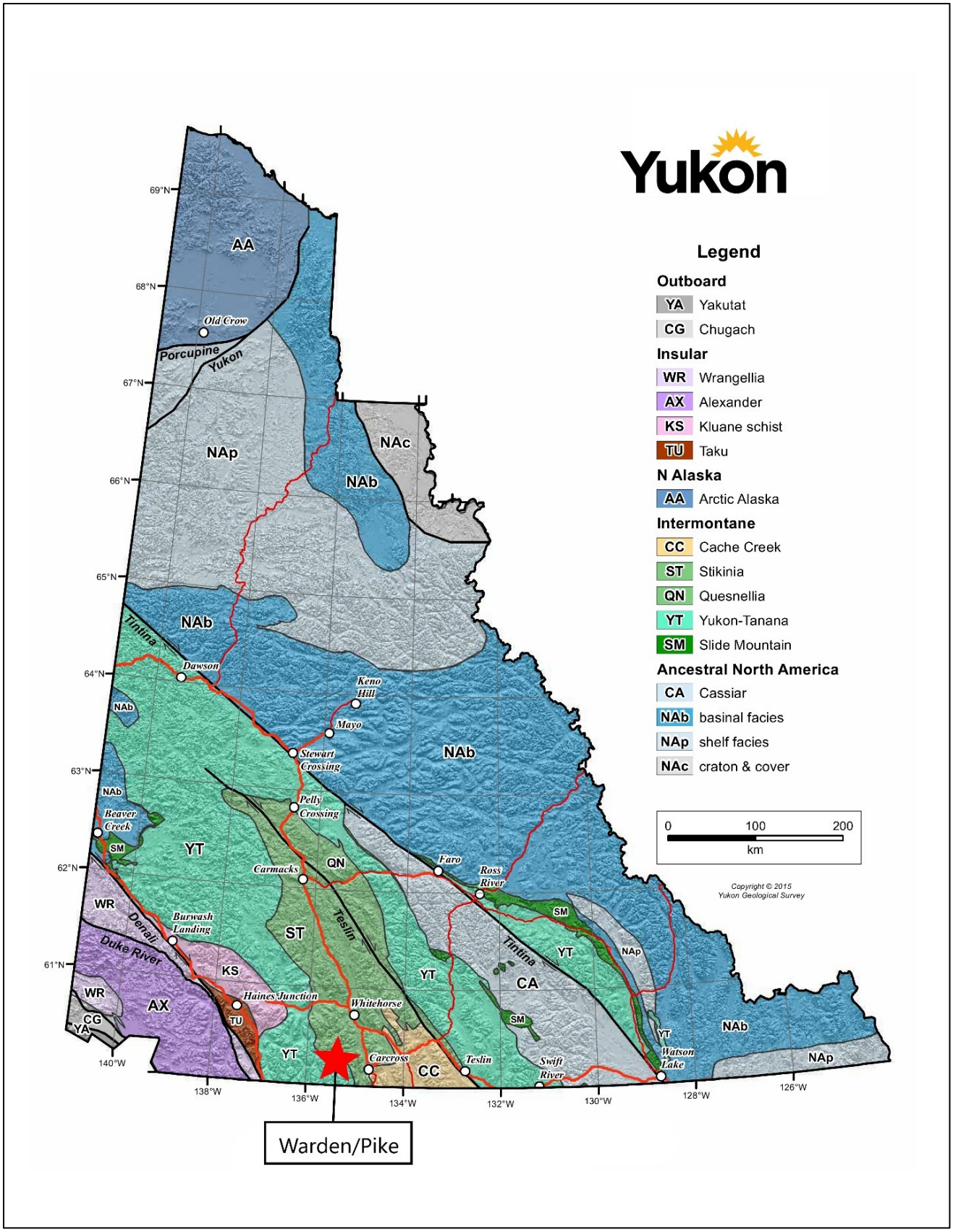


Figure 1: Location of the Warden and Pike Properties

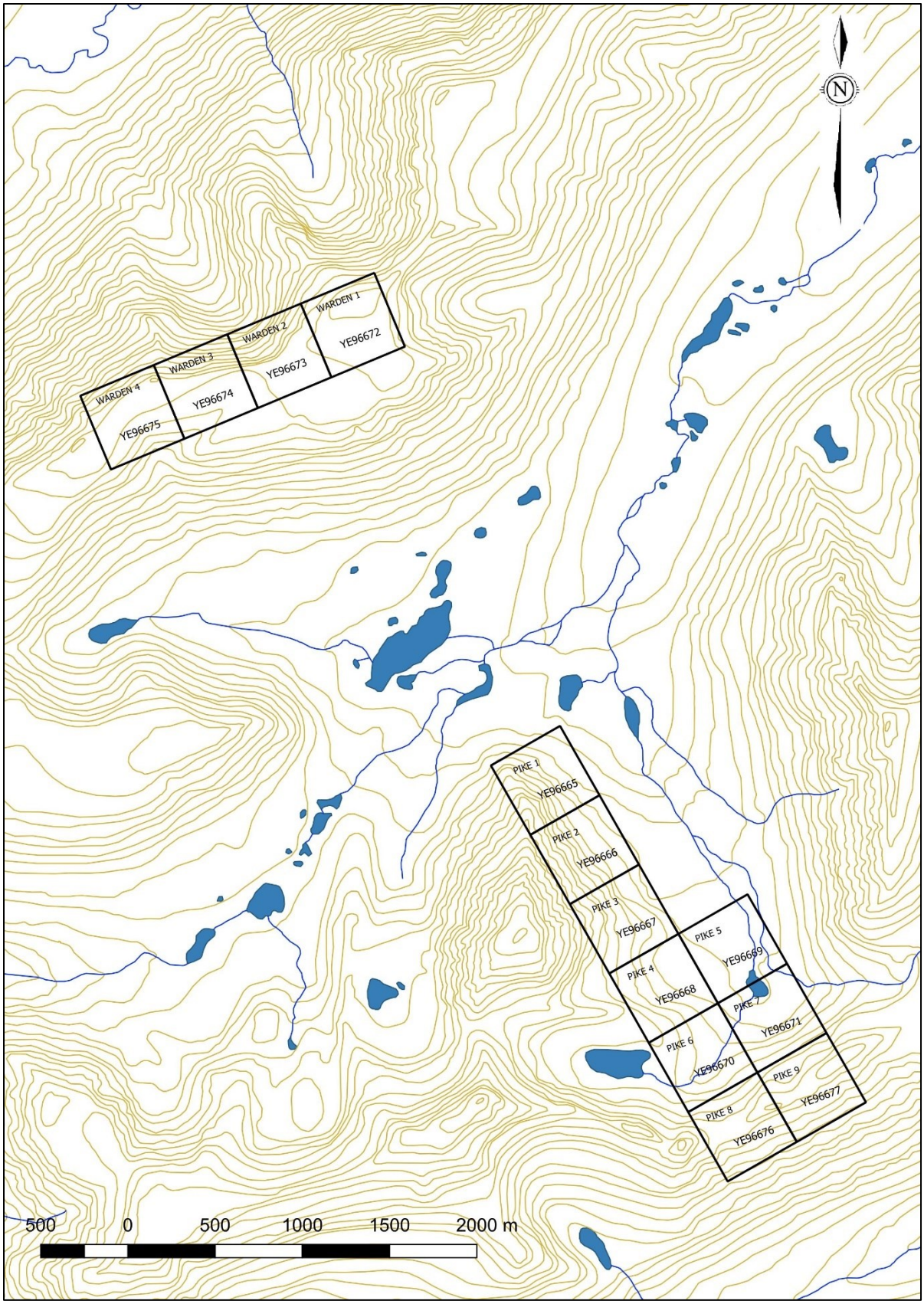


Figure 2: Claim locations map

EXPLORATION HISTORY

The Mt. Skukum Volcanic Complex and surrounding area has been the subject of extensive exploration throughout history, including a period of brief mine production at Mt. Skukum from 1986 to 1988. During this period a total of 233,400 tons of ore were processed in the plant, recovering a total 2,500 kilograms (77,790 tr. oz.) of gold (Naas and Rodger, 1999).

As of 2013, there are three deposits with NI 43-101 compliant mineral resources in the Mt. Skukum area. These are the Mt. Skukum, Skukum Creek, and Goddell Gully deposits, and their respective resources are listed in the table below, using a 3 g/t Au cutoff (modified from Naas and Simpson, 2013):

Table I: Resource estimates for Mt. Skukum, Skukum Creek, and Goddell Gully

Deposit Name	Indicated Resource	Inferred Resource	Contained oz Au eq.
Mt. Skukum (Lake Zone)	N/A	90,500 t @ 9.51 g/t Au eq.	27,673 inferred
Skukum Creek	1,086,800 tonnes @ 8.73 g/t Au eq.	586,000 t @ 6.83 g/t Au eq.	305,043 indicated 128,681 inferred
Goddell Gully	329,700 t @ 8.13 g/t Au eq.	483,900 t @ 7.13 g/t Au eq.	86,180 indicated 110,928 inferred

An in-depth review of historical exploration activities in the Mt. Skukum area is available in New Pacific Metals Corp.'s 2013 Technical Report on the Mt. Skukum

The Bennett Lake Volcanic Complex is a contemporaneous volcanic complex, deposited in a similar geological setting, located 15 kms south of the Mt. Skukum Volcanic Complex. It has been the subject of less intensive exploration effort compared to the Mt. Skukum area, and the potential for it to host similar styles of mineralization has not been not evaluated thoroughly.

The only historical work that has been performed on the Warden and Pike claim block is summarized below:

In 1988, Skukum Gold Inc. performed a regional exploration program south of the Wheaton river near Mount Ward. Exploration work consisted of mapping, prospecting, talus fine and silt sampling. Three mineralized vein systems were identified in the rock glacier cirque in the southern end of the Wheaton River valley. Historical samples of vein material from within the cirque assayed up to 417.1 g/t Ag, 19.67 g/t Au, 3.98% Pb, and 1.47% Cu.

In addition, a 0.8 km^2, predominantly gold talus fine anomaly was identified on the southeast portion of the historical claim block. Chalcopyrite mineralization was also discovered in this area. An outcrop sample returned 5.58 % Cu, 33.8 g/t Ag, and 0.75 g/t Au.

GEOMORPHOLOGY

The Warden and Pike properties are located in the Intermontane Belt, within the Boundary Ranges of the Canadian Cordillera. The climate in this area is variable with hot summers; truncated, mild and short fall and spring seasons and long, cold, dark winters. Snow can fall during any month of the year.

Both sets of claims overlie both rugged and gentle topography with flat, glacially scoured alpine ridge tops and precipitous mountainsides. Permanent snowfields exist on northern facing ridges of most ridges and mountains in the area, with valley floors of 1500 metres and summits up to 2200 metres. Both properties lie above treeline, which is roughly 1450m.

REGIONAL GEOLOGY

The Warden and Pike properties are located within the Coast Plutonic Complex, a large linear agglomeration of geochemically distinct plutons ranging in age from Late Triassic through Eocene. Five groups of plutonic rocks can be differentiated on the basis of age: Late Triassic, Early Jurassic, mid-Cretaceous, Late Cretaceous/Paleocene, and Early Eocene (Radloff and Hart, 1990).

Oldest rocks in the area comprise domains and screens of probable Paleozoic gneiss, assigned to the Nisling Terrane by Hart and Radloff (1990), and Jurassic andesitic volcanic and siliciclastic sedimentary rocks of the Stikine Terrane and Whitehorse Trough overlap assemblage (Figure 3) (modified from Naas, 2007).

Stratigraphic and contact relationships are commonly obscured by the many intrusions associated with the Coast Plutonic Complex. Strata of the Jurassic Whitehorse trough are affected by a series of open to tight, northwest trending folds that probably formed in Upper Jurassic to Lower Cretaceous time, approximately coeval with activity of the Skeena Fold Belt to the south in British Columbia. The folds are superimposed on earlier, probably pre-Triassic, metamorphic fabrics and the northwest trending Tally-Ho shear zone, a major Late Triassic shear zone that is developed approximately 15 kilometres to the east of the project area and which forms the easternmost limit of exposures of the Nisling Terrane (Naas, 2007).

The Eocene Skukum Group is the northernmost part of the Sloko volcanic province and outcrops in two distinct areas, the Mount Skukum Volcanic Complex (MSVC) and the Bennett Lake Volcanic Complex (BLVC)

The MSVC is an early Eocene, bimodal sequence of sub-aerial volcanic and volcaniclastic rocks covering 140km^2. These were deposited unconformable upon metamorphic and plutonic rocks of the Nisling Terrane and Coast Plutonic Complex. The complex forms a 20 x 11 km ellipsoid which is bounded by faults along its southern and eastern contacts. The maximum accumulated thickness of volcanic strata is estimated 850 m. The complex is divided into two parts. The southeastern portion of the complex is underlain by dominantly andesitic flows and breccias.

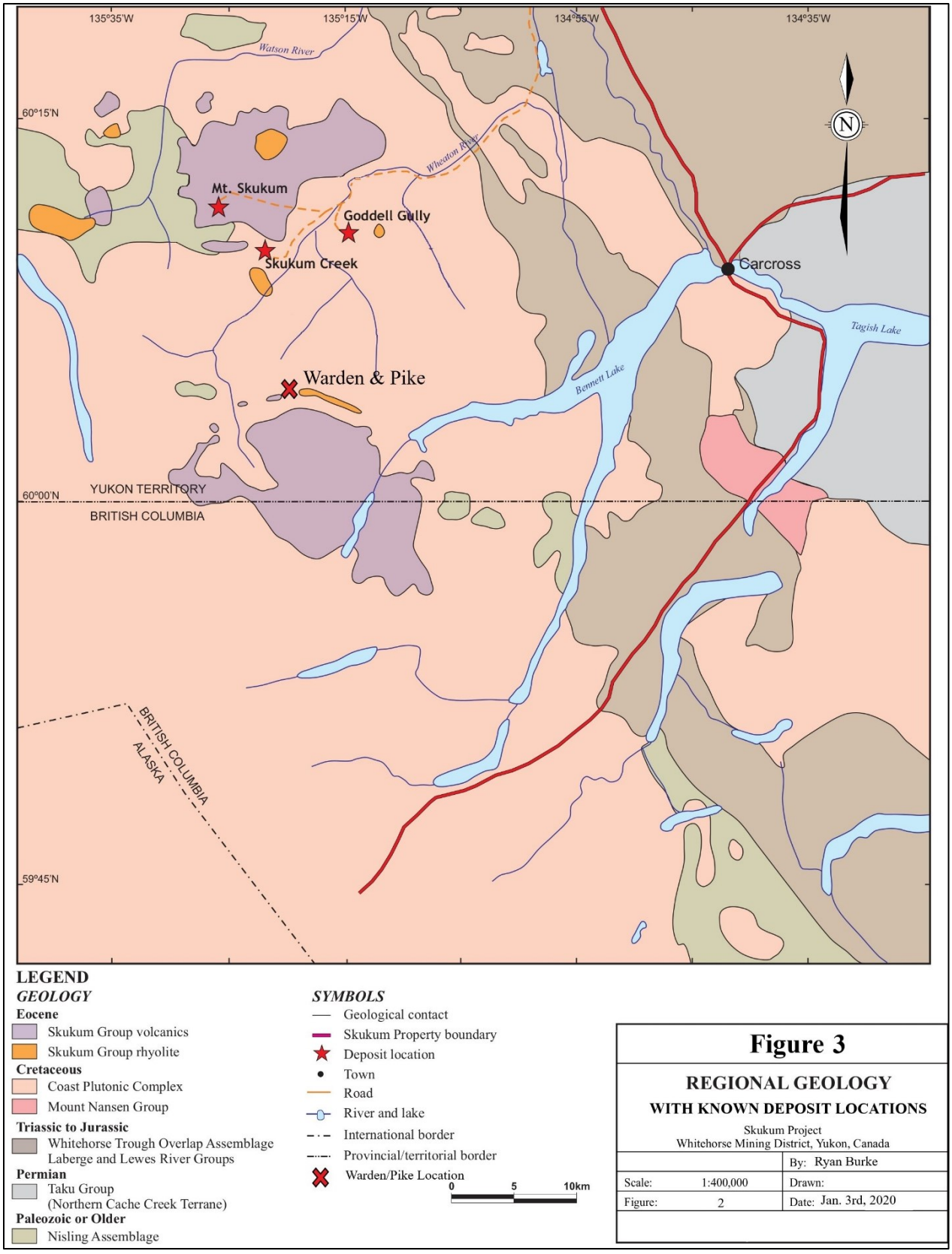


Figure 3: Regional Geology with known deposit locations, including location of the Warden and Pike properties. (Modified from Naas, 2007)

Thick accumulations of pyroclastic rocks form a fault-bounded graben nested into the northeastern part of the complex.

The BLVC is a 19 x 30 km volcanic centre composed of two fault-bounded, nested cauldrons. Each cauldron represents a resurgent cycle of cataclysmic pyroclastic eruptions. Each cycle contributed ~2000 m of rhyo-dacitic ash-flow tuffs and breccias with lesser rhyolite and andesite flows to the cauldron fill. The BLVC differs from the MSVC in that a greater thickness of strata remain preserved and lithologically it contains a higher percentage of andesitic flows. A change from acid to intermediate volcanism during each eruptive cycle represents the tapping of a vertically zoned magma chamber (Lambert, 1974).

The BLVC is bounded by a series of arcuate rhyolite dykes that together form about 230 degrees of a subelliptical arc, 30 kilometres long by 19 kilometres wide, around the periphery of the complex. It is postulated the ring dyke formed during caldera collapse. The dykes are nearly vertical, pinch and swell, and generally ranging from 150 to 300 metres wide. At the west and southeast ends of the arc the dykes splay out into a maze of smaller dykes and sills. Many other leucocratic granite, rhyolite and dacite dykes are closely related spatially to the ring dyke by virtue of having intruded along the ring fracture system (Lambert, 1974).

Structurally, the BLVC is dominated by a series of arcuate, slightly concentric step faults cut by a few larger radiating faults. A central rhyolite plug and ring dyke system representing late stage doming are well developed.

PROPERTY GEOLOGY

The Warden and Pike properties lie along the northern limit of the BLVC, along the northern limit of the ring dyke, 10 km south of the MSVC. The property geology of Warden and Pike are shown in Figure 4 and Figure 5, respectively. Figure 6 includes significant results from the Pike Property. Regional and property lithological units are shown in Table II below.

Table II: Regional/Property Lithological Units (*after* YGS, 2020)

Unit	Formation	Age	Description
Ead	Skukum	Eocene	Andesite dyke dark grey, aphyric; rare porphyritic texture defined by hornblende and plagioclase.
Ebd	Skukum	Eocene	Basalt dyke fine-grained aphantic dark greenish grey with trace disseminated pyrite, patchy rusty weathering
Edd	Skukum	Eocene	Dacite dyke brown to brick-brown aphanitic rock with small plagioclase phenocrsysts
Erd	Skukum	Eocene	Rhyolite Dyke light beige to weathered orangeish-brown, blockily weathered, with variably disseminated pyrite

QV	Skukum?	Eocene?	Quartz Vein
PRC	Skukum	Eocene	Bennett Lake Ring Dykes – Coarse quartz-feldspar porphyry
PR	Ruby Range	Cenozoic	Biotite Granite
mKW	Whitehorse	Mid-Cretaceous	Biotite-hornblende granodiorite (Mt. McNeil pluton?) medium grey, medium-grained, equigranular to seriate, with euhedral amphibole grains 3-5 mm in size; contains abundant magnetite; rare autolithic fine-grained diorite/monzonite fragments; hornblende and biotite partially replaced by greenish chlorite; pervasively weakly altered; epidote staining on fracture surfaces; abundant weakly disseminated pyrite
PDS	YTT	Neoproterozoic to Devonian	Quartzite, psammite, pelite and marble; minor greenstone and amphibolite

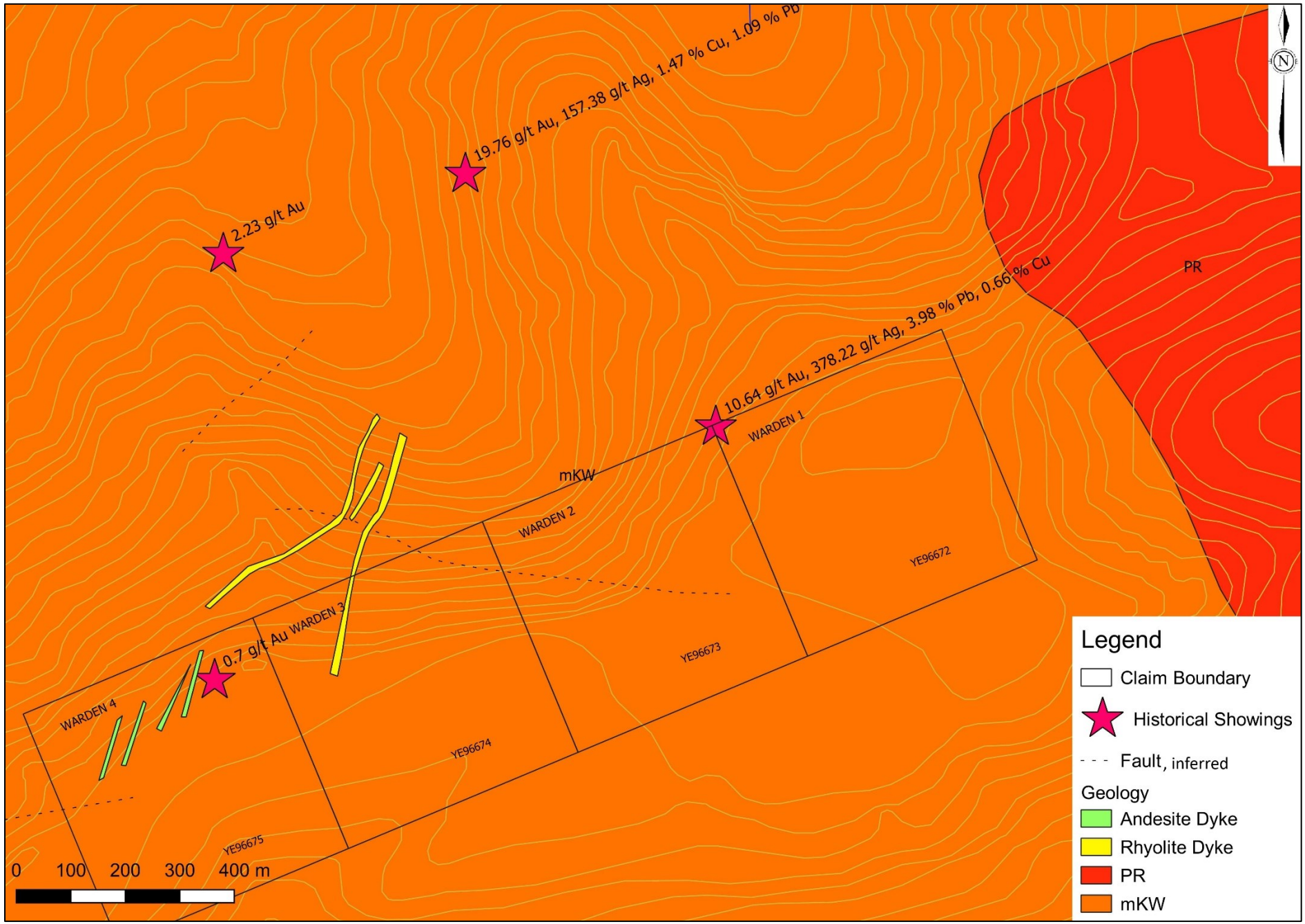


Figure 4: Warden Property Geology

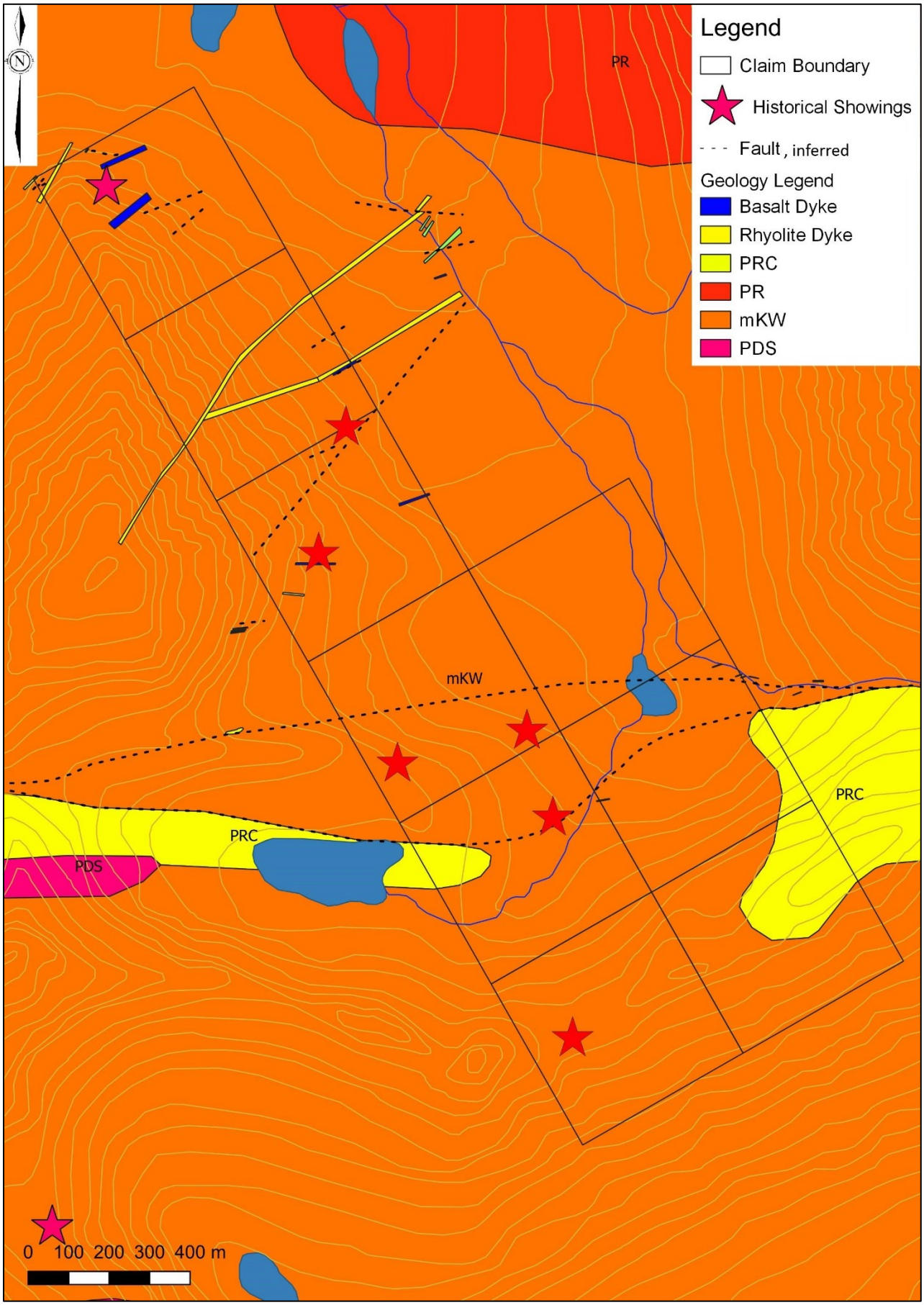


Figure 5: Pike Property Geology

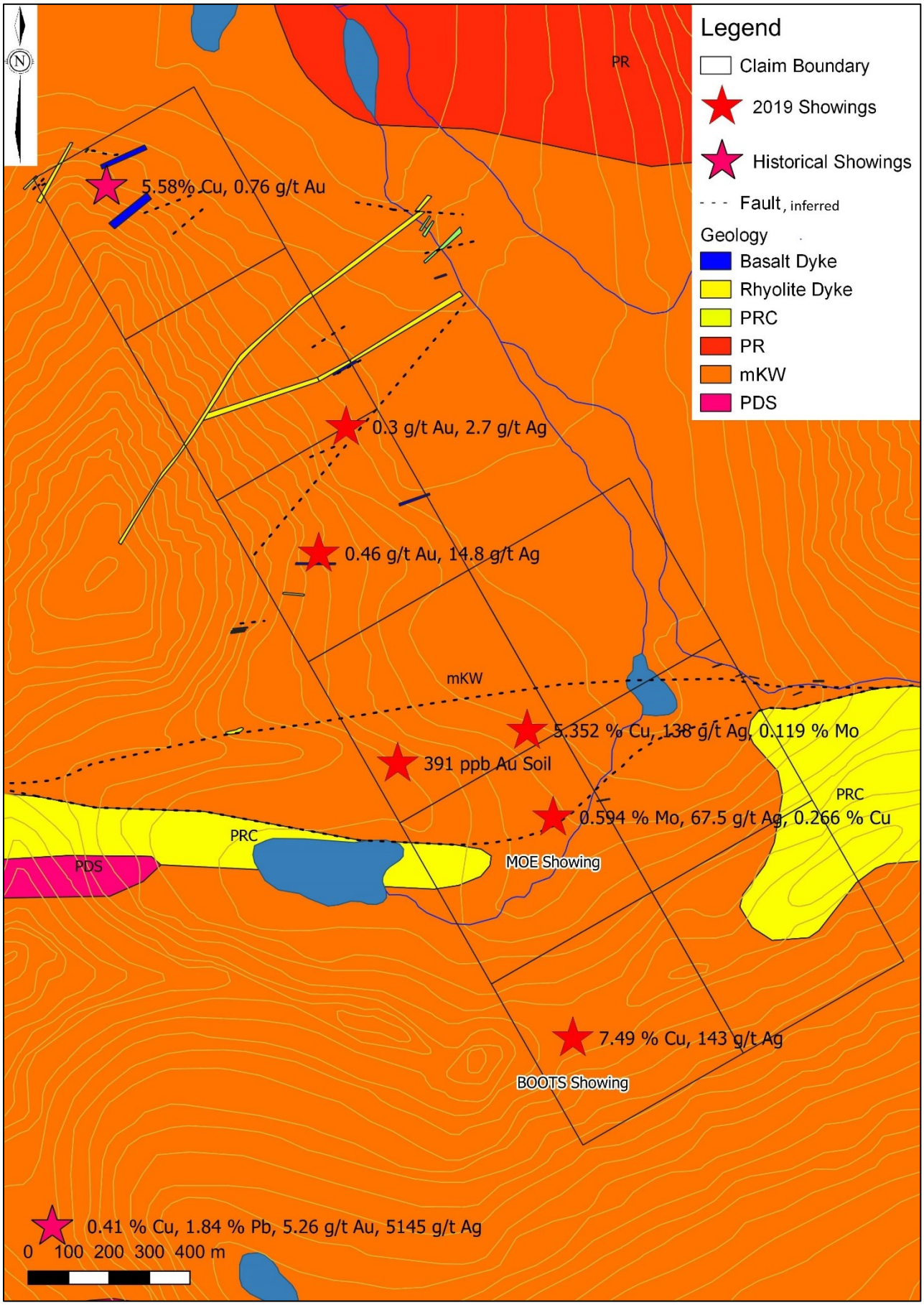


Figure 6: Pike Property Geology with Labelled Showings

Underlying the property is a magnetic biotite-hornblende granodiorite (mKW). Pervasive chlorite and epidote alteration are common. Rare pyrite with very rare chalcopyrite stringer veinlets occur sporadically throughout the granodiorite. Hornblende and biotite have been at least partially replaced by greenish chlorite in even the freshest samples. The granodiorite is crosscut by younger basalt to rhyolite dykes that vary in width from 1 to 30 m (Hart and Radloff, 1990). This unit is likely the Mt. McNeil granodiorite based on historical descriptions.

Numerous dykes of varying composition and size outcrop throughout the property. There are fine-grained basaltic dykes with pervasive chloritization of mafics, rusty pale green to dark grey dacitic dykes, and mauve to tan brown, heavily fractured, weakly pyritized, fine-grained rhyolite dykes. These dykes occur somewhat sporadically throughout the property, increasing in density with proximity to the ring dyke. The ring dyke outcrops prominently in the southern portion of the Pike property, and is a buff to rusty cream, blocky weathered, weak to moderately pyritic quartz feldspar porphyry volcanic dyke, varying in size from 10 to 50 m.

Outcrop exposure is abundant due to the U-shaped valleys formed by glacial activity in this region. A layer of till exists in the valley bottom, ranging in thickness from 1 to 10 m. Glacially scoured outcrop has been observed on ridgelines at 1700 m as well as in the valley bottom at 1450 m. Glacial striae trend 170 degrees, and ice movement direction was northwards.

MINERALIZATION

Warden Mineralization

Significant mineralization encountered on the Warden property include historical results from previous work by Skukum Exploration Inc. in 1988. Historical showings were unable to be accessed from the top of Mt. Ward due to the rugged topography in the rock glacier cirque. Historical showings must be accessed from the base of the Wheaton River valley, traversing from the bottom of the cirque rather than the top.

In 1988, three separate vein systems were found near the Warden property. These three veins are named the Confession vein, the Repent vein, and the Squeaker veins.

The Confession vein is described as a, “10 cm wide, vuggy, milky white, euhedral quartz vein with massive euhedral galena, massive chalcopyrite and minor pyrite and malachite staining within granodiorite”. The vein is traceable for 150 m along strike. Historical assays from this vein are up to 10.68g/t Au, 378g/t Ag, 3.98% Pb and 0.66% Cu.

The Repent vein system is described as a, “bull white and honey coloured quartz veins in granodiorite with chlorite salvages and blobs of pyrite and chalcopyrite. Veins pinch and swell from 1 to 30 cm. Phyllic and propylitic alteration of the granodiorite one meter wide, envelopes the veins.” Historical assays are up to 2.23 g/t Au.

The Squeaker veins are described as a, “series of small parallel quartz veins up to 30 centimetres wide with fine grained pyrite, minor galena and minor chalcopyrite. The veins can be traced for

around 200 metres and possibly as much as 400 metres. Historical assays are up to 157.38 g/t Ag, 19.67 g/t Au, 1.09 % Pb and 1.47% Cu. (Wilkins and MacKinnon, 1988)

Pike Mineralization

In 2019, 49 rock samples were collected on the Pike property (Figure 7). Mineralization on the Pike property consists of rare, mm-scale quartz carbonate stringers with trace pyrite +- chalcopyrite within chlorite-epidote altered granodiorite. Oxidized, pitted and vuggy quartz boulders quartz carbonate breccia is found throughout the property, ranging from fist-sized to 50 cm^3. A 1 by 2 m zone of malachite staining on a granodiorite outcrop occurs on the northern end of the Pike property at 479153 mE, 6661261 mN. A historical grab sample from this area assayed 5.58% Cu and 0.755 g/t Au.

Multiple new showings have been discovered as a result of the 2019 prospecting and mapping program. Highlights from sampling in the area include up to 0.46 g/t Au, 143 g/t Ag, 7.49% Cu, and 0.594% Mo, and >2000 ppm Bi. The showings are summarized below, and the following table contains highlights of the 2019 prospecting rock samples from the Pike Property

Table III: Significant Rock Samples from 2019 Prospecting – Pike Property

Sample ID	Copper (%)	Silver (g/t)	Gold (ppb)	Molybdenum (%)	Bismuth (ppm)
1894758	0.14	**97.4**	7.3	.0024	>2000
1894760	**5.352**	**138**	59.4	0.119	>2000
1894767	0.07	2.7	**304.3**	0.005	40.8
1894781	0.03	14.8	**456.2**	0.003	30.3
1894791	**7.49**	**143**	43.6	0.03	709.3
1894799	0.27	**67.5**	18.9	**0.594**	14.4

The Boots Showing: located on the southern edge of the claim block, along an east west trending ridge of granodiorite near a north-south trending saddle 20 metres to the west. It is a 50 cm wide quartz vein trending 090/64 with heavy fracturing and oxidation, vuggy textures and malachite staining, containing 5% pyrite and 2-5% chalcopyrite. The vein is hosted in granodiorite and it has been traced for 15 m along strike. Grab samples from this vein have graded up to 7.49% Cu and 143 g/t Ag.

The Moe Showing: A well-mineralized float sample of gossanous quartz with flaky, coarse-grained molybdenite and pyrite within oxidized vugs was found 550 m north of the XXX Showing. This sample graded 0.594 % Mo, 67.5 g/t Ag and 0.266 % Cu. A gossanous quartz vein float grab with pyrite and chalcopyrite was found 230 m north of the Moe Showing. This sample graded 5.352 % Cu, 138 g/t Ag, and 0.119 % Mo. 100 m north of the Moe Showing is a 50 cm quartz vein in granodiorite, trending 060/55. This vein has been traced along strike for 35 metres and a chip sample across the vein assayed 48.9 ppm Pb and 106 ppm Zn. However, this vein is still noteworthy due to its close proximity to the Moe Showing.

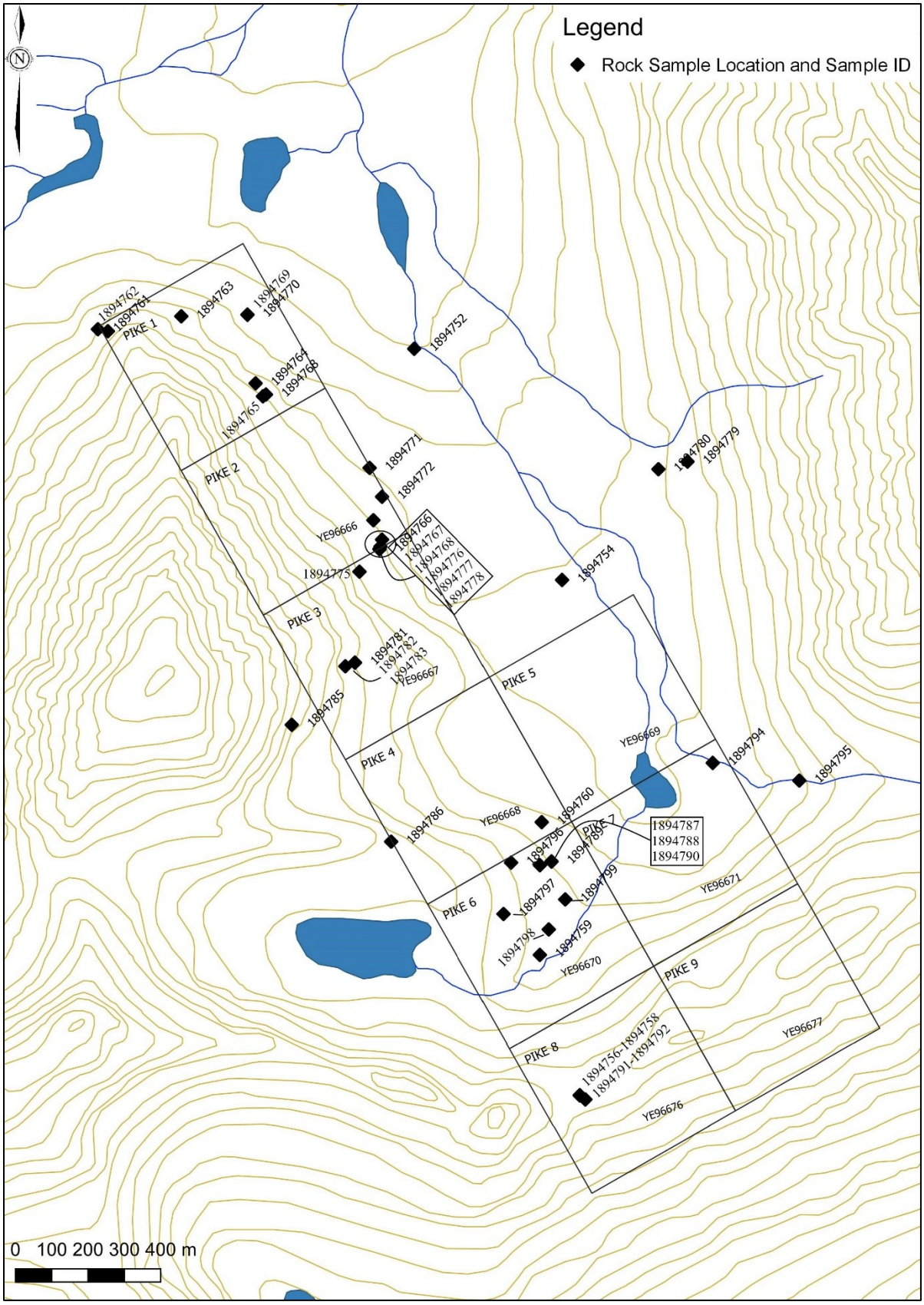


Figure 7: Rock Sample locations and sample ID – Pike Property

SOIL GEOCHEMISTRY

In 2019, 40 soil samples were collected from the Warden property, and 48 soil samples from the Pike property. A description of sampling procedures, transport and analytical techniques can be found in Appendix IV. Anomalous thresholds for soil samples can be found in the following table:

Table IV- Anomalous Threshold Values for Soil Samples – Pike and Warden

Element	Weak	Moderate	Strong	Peak
Gold (ppb)	5-10	10-38	38-391	390.9
Silver (ppm)	0.2-0.3	0.3-0.4	0.4-1.1	1.1
Copper (ppm)	15-30	30-45	45-68	67.60
Lead (ppm)	20-32	32-46	46-80	78.9
Zinc (ppm	50-80	80-110	110-153	153
Arsenic (ppm)	3-5	5-10	10-18	17.30
Bismuth (ppm)	0.25-0.5	0.5-1	1-2.6	2.6
Antimony (ppm)	0.2-0.4	0.4-0.6	0.6-1.1	1.1
Mercury (ppm)	0.010-0.025	0.025-0.040	0.040-0.060	0.060
Molybdenum (ppm)	1-2	2-5	5-12.5	12.5

Warden Soil Geochemistry

One 500 by 400 m east west oriented soil grid was placed on the Warden property. Samples were taken every 50 m along 100 m line spacings. Sample locations and ID are listed in Figure 8. Geochemical results for gold, copper, and mercury are shown in figures 9 to 11, respectively.

A moderate gold-in-soil anomaly on the southwestern end of the grid forms a 100 m^2 ellipse with its long axis oriented north-south. There is also a strong single mercury anomaly in this area.

A moderate to strong copper anomaly on the northern edge of the grid forms a 60 m east-west linear.

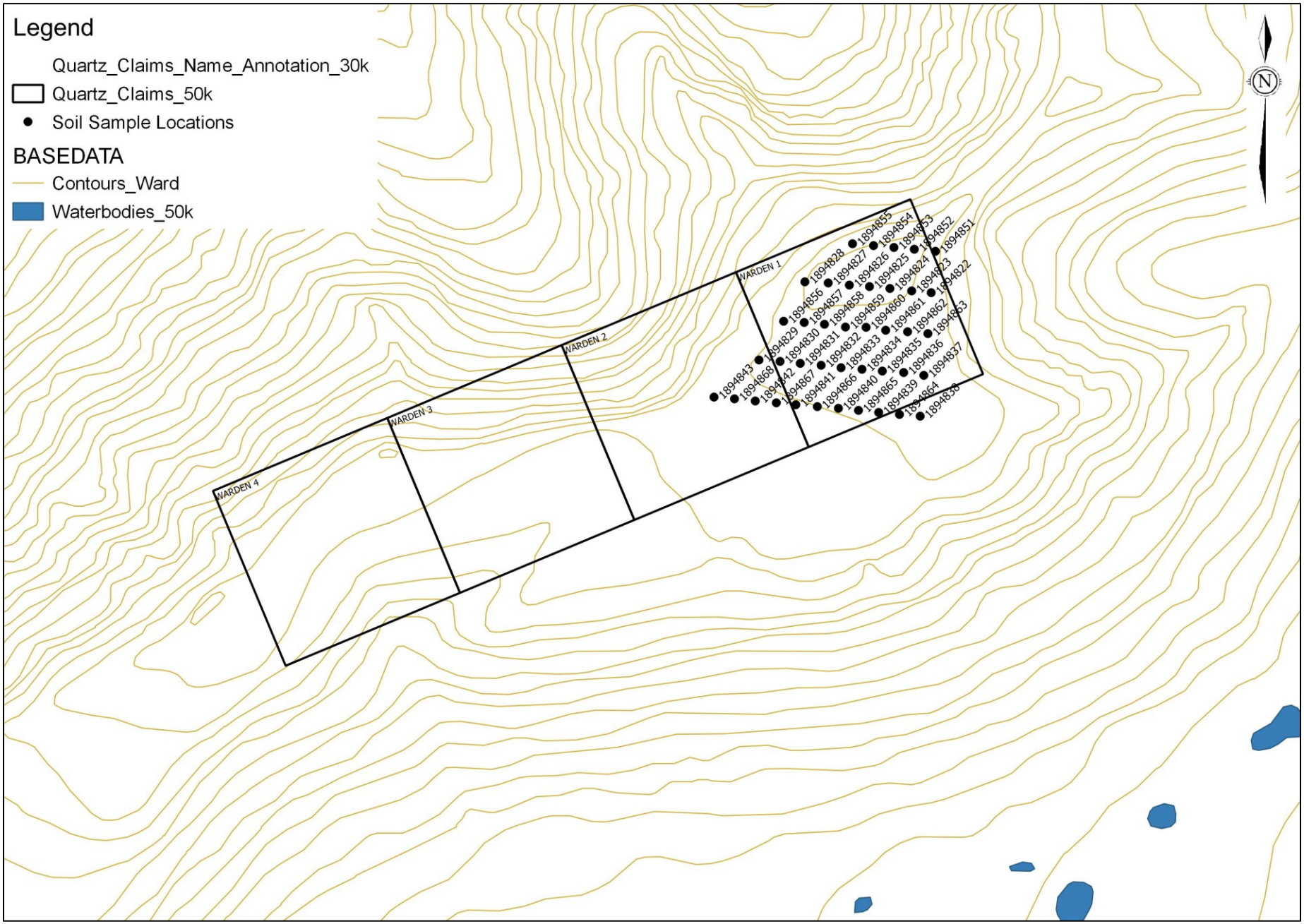


Figure 8: 2019 soil sample locations with Sample ID's for the Warden property.

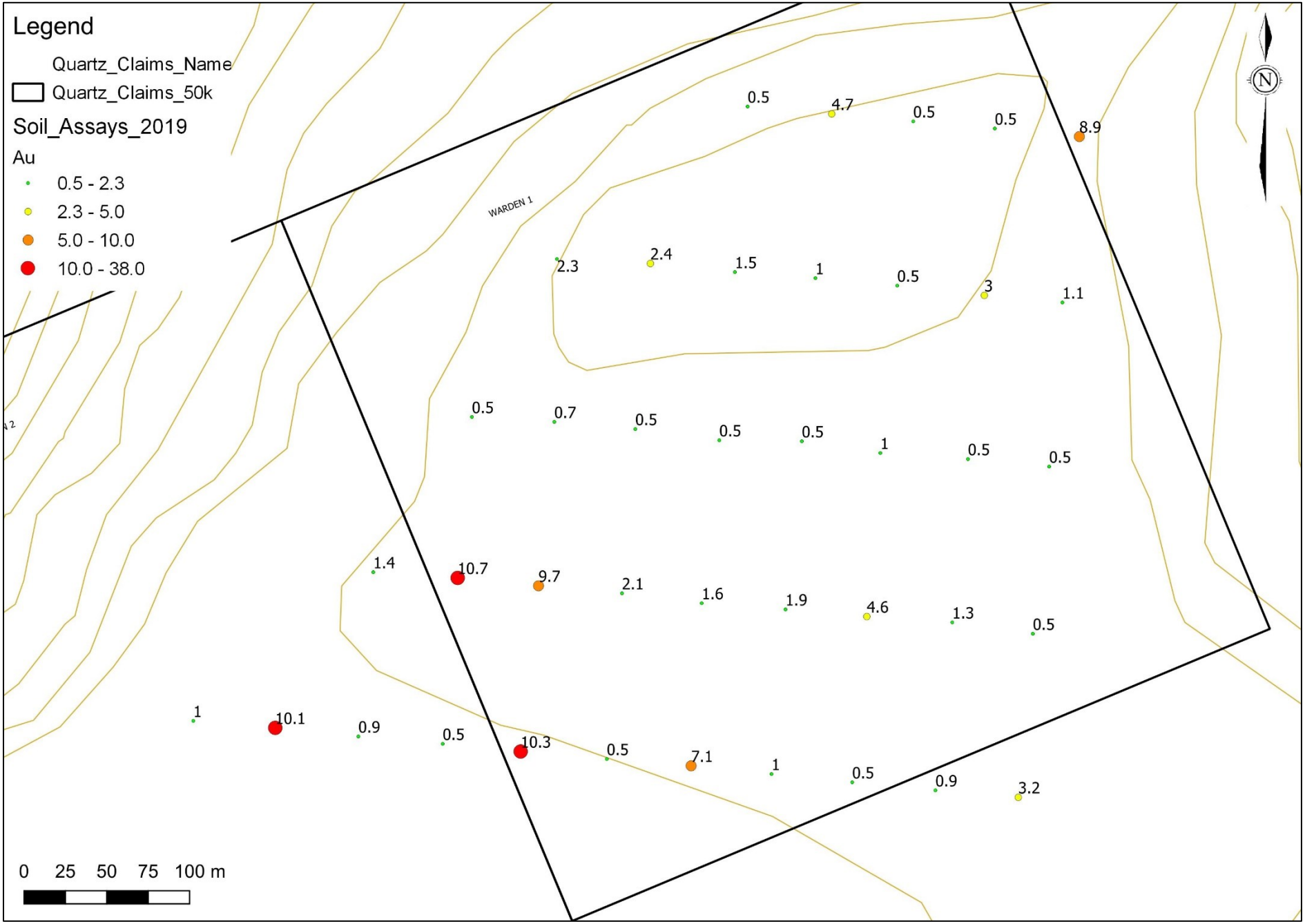


Figure 9: Warden Au soil geochemistry (ppb)

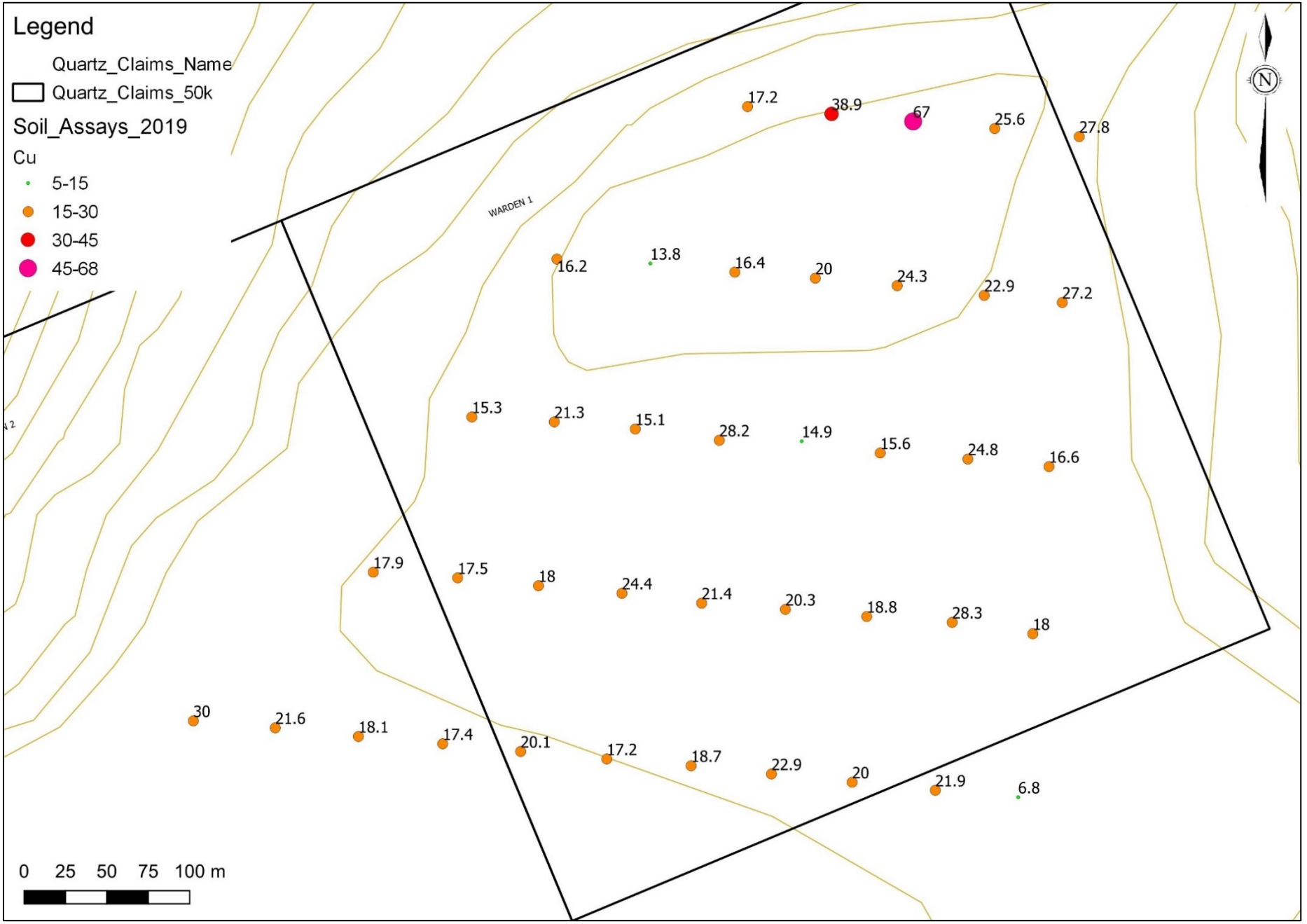


Figure 10: Warden Cu soil geochemistry (ppm)

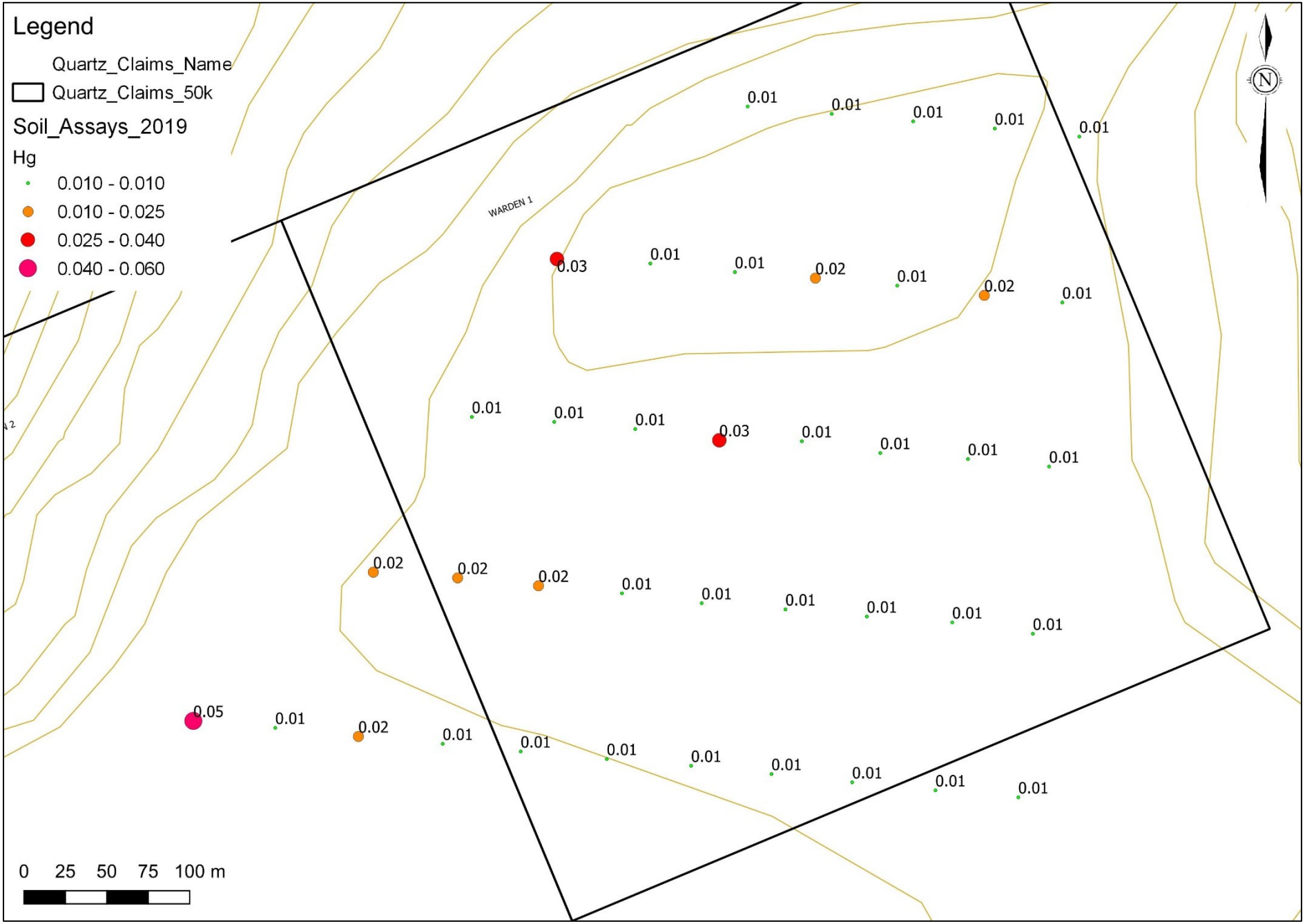


Figure 11: Warden Hg soil geochemistry (ppm)

Pike Soil Geochemistry

In 2019, 40 soil samples were collected on and off the claimblock of the Pike property. Sample locations and sample ID's are shown in Figure 12. Ridge and spur soil sampling with line spacings of 50 m was deemed the most effective method of sample collection, due to extensive talus cover. Talus fine samples were collected in areas of poor soil development.

Geochemical results on the Pike property are thematically mapped for gold, silver, copper, lead, zinc, arsenic, bismuth, antimony, mercury and molybdenum are shown in Figures 13 to 22, respectively.

Goechemical sampling defined two distinctively different, notable geochemical signatures on the Pike property.

First, along the western edge of the claim block, extending westward, is a prominent multielemental geochemical anomaly for gold, arsenic, copper, mercury +- silver +- molybdenum. The peak value for gold, 391 ppb Au, was collected here. There is also a moderate to strong geochemical response for arsenic, copper, mercury, and a moderate to strong response for silver and molybdenum. This anomaly has a length of 200 m or more. Its true trend or continuity is indiscernible with the current dataset, but preliminary results are encouraging.

Second, on the southeastern portion of the property, there is a distinct multielemental geochemical anomaly for lead, zinc, bismuth, antimony +- molybdenum. There are multiple soil anomalies of the aforementioned elements over a length of 450 m. Its true trend or continuity is indiscernible with the current dataset, but preliminary results are encouraging.

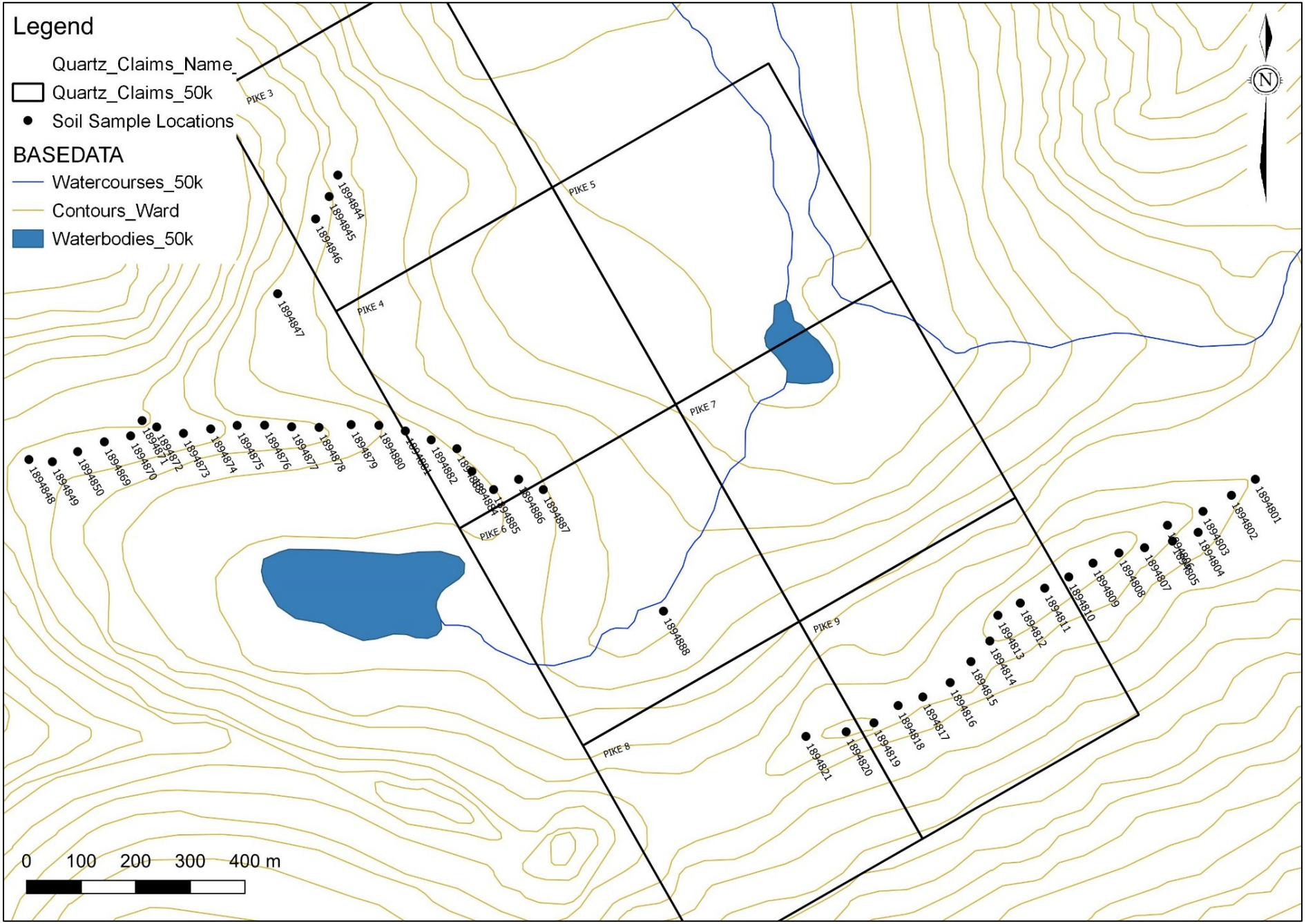


Figure 12: Pike soil sample locations and Sample ID's

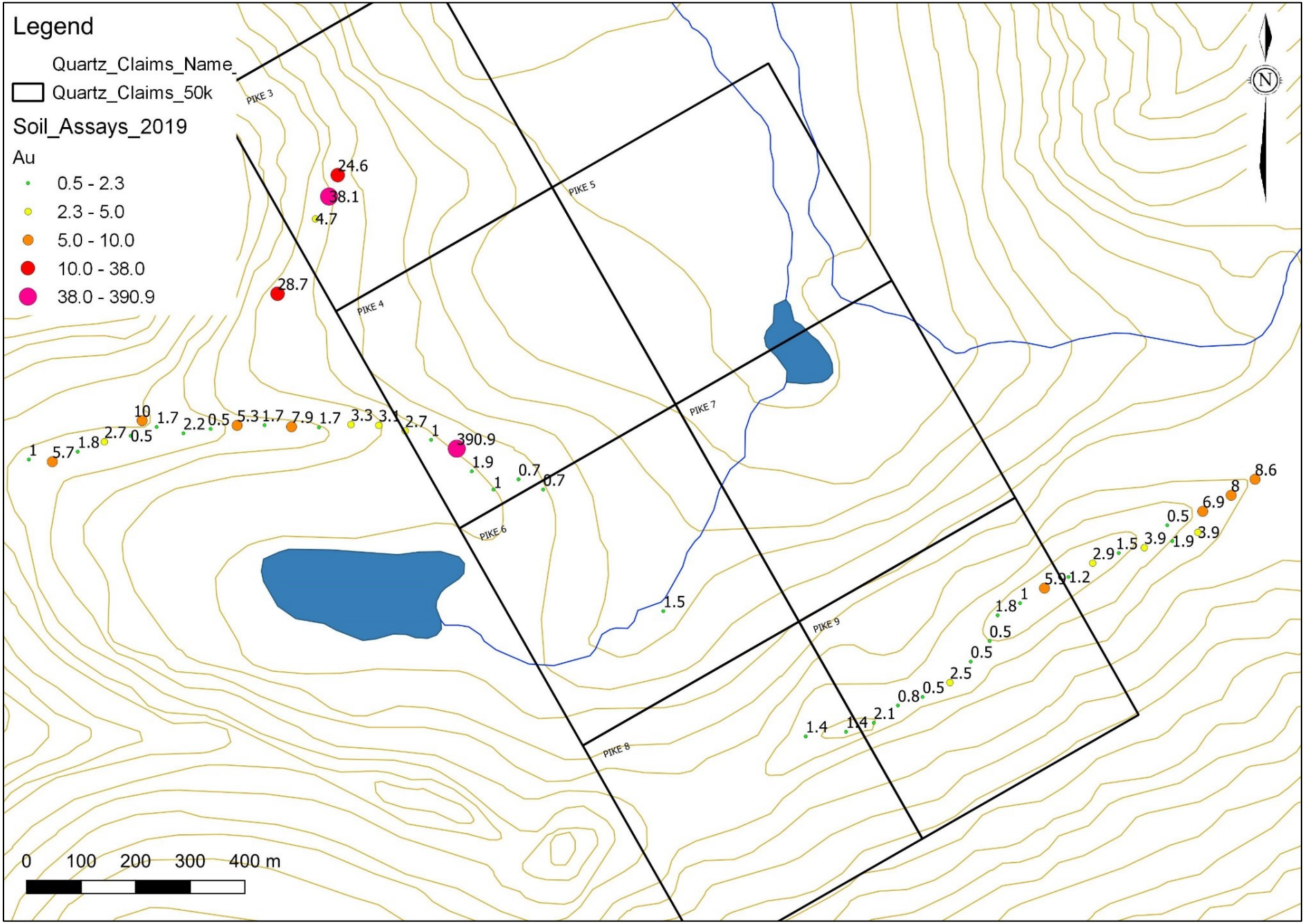


Figure 13: Pike Au soil geochemistry (ppb)

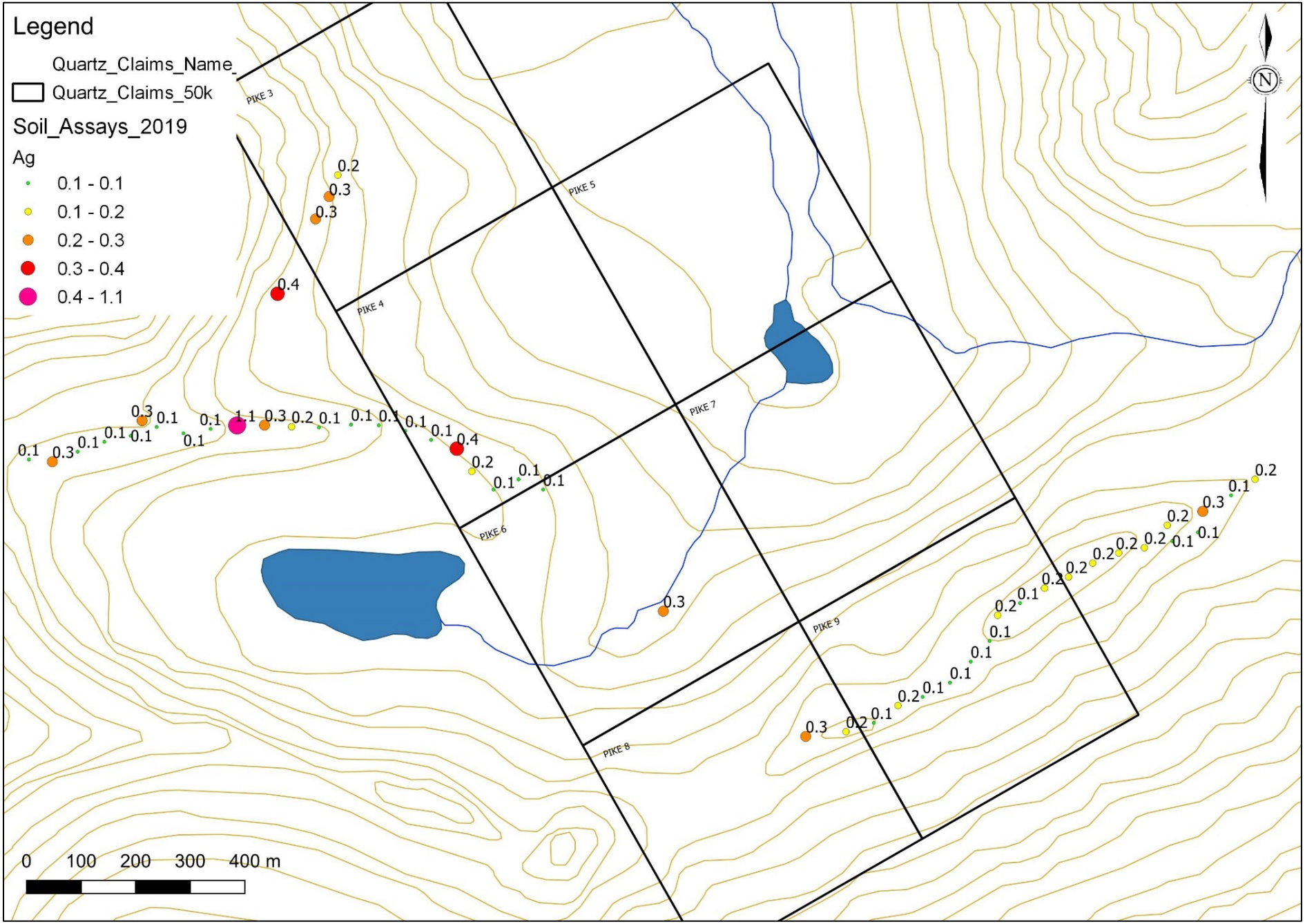


Figure 14: Pike Ag soil geochemistry (ppm)

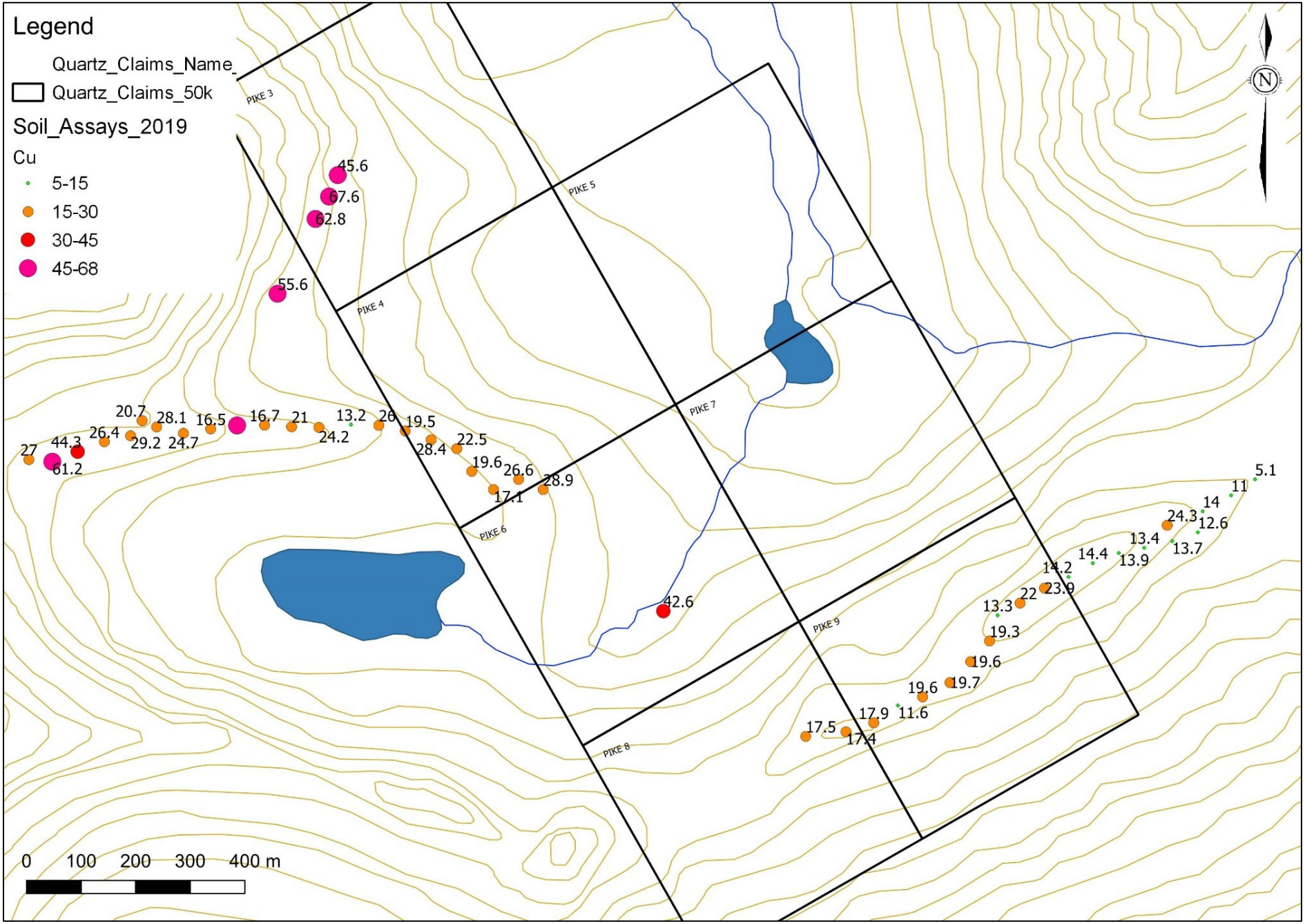


Figure 15: Pike Cu soil geochemistry (ppm)

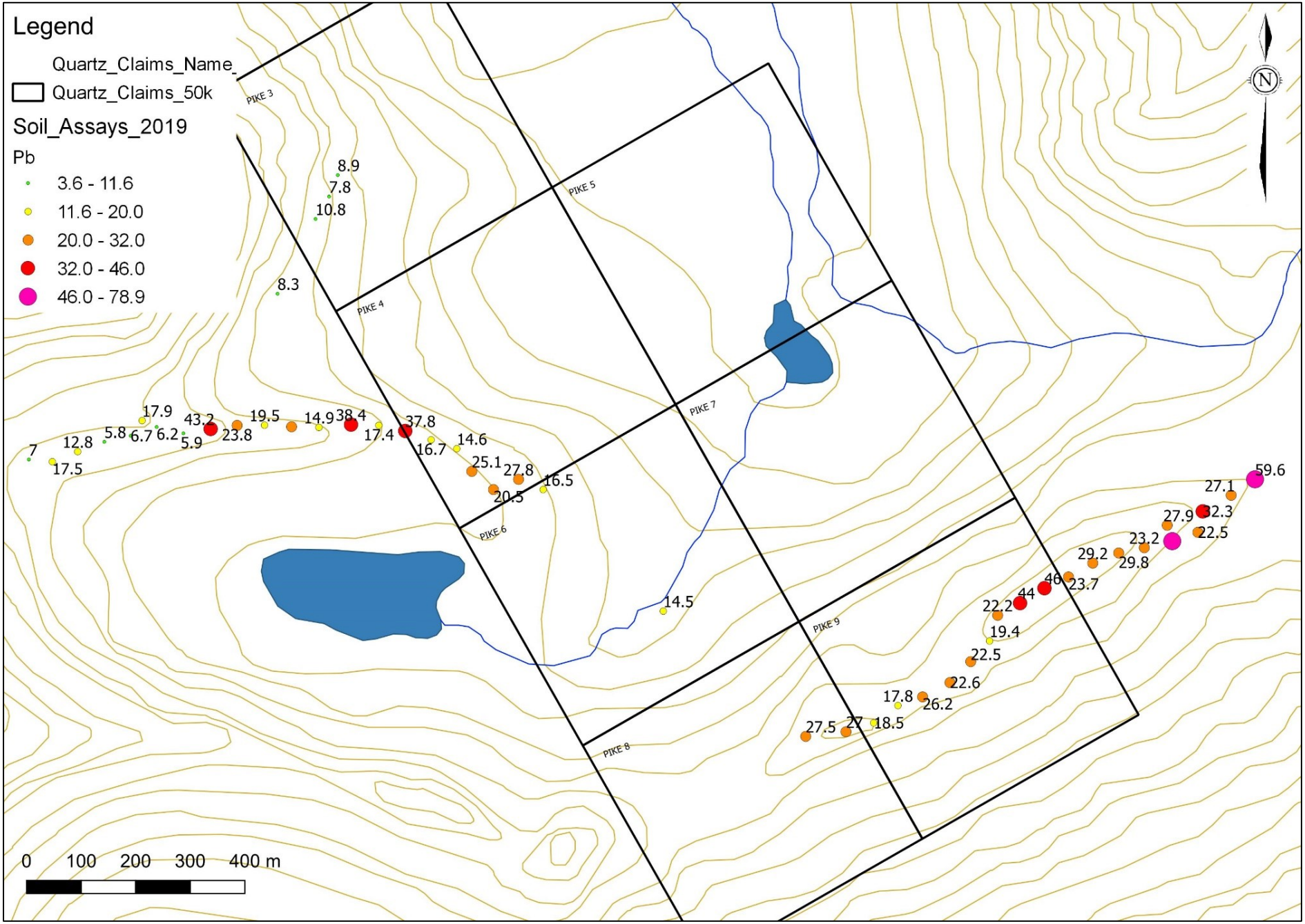


Figure 16: Pike Pb soil geochemistry (ppm)

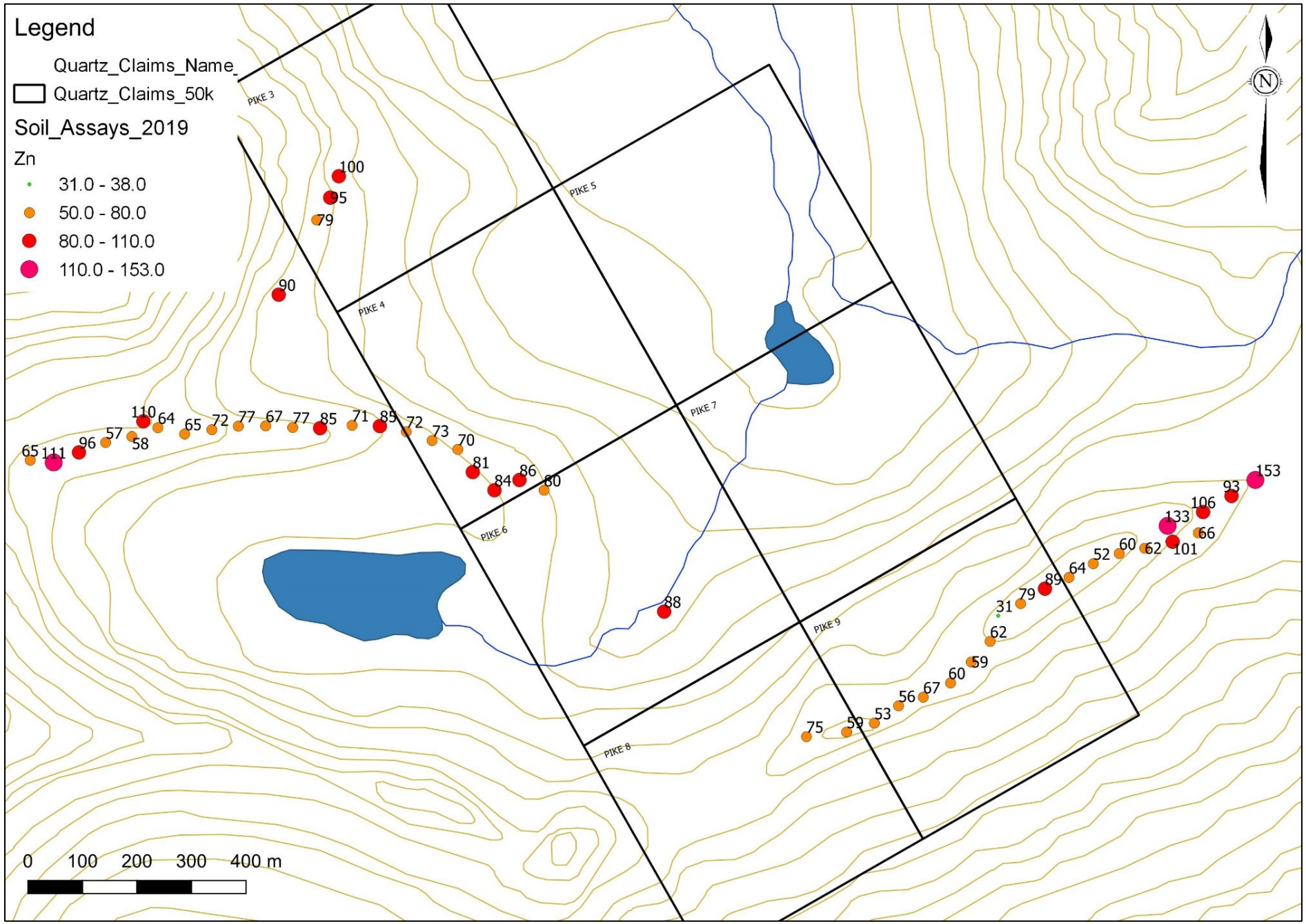


Figure 17: Pike Zn soil geochemistry (ppm)

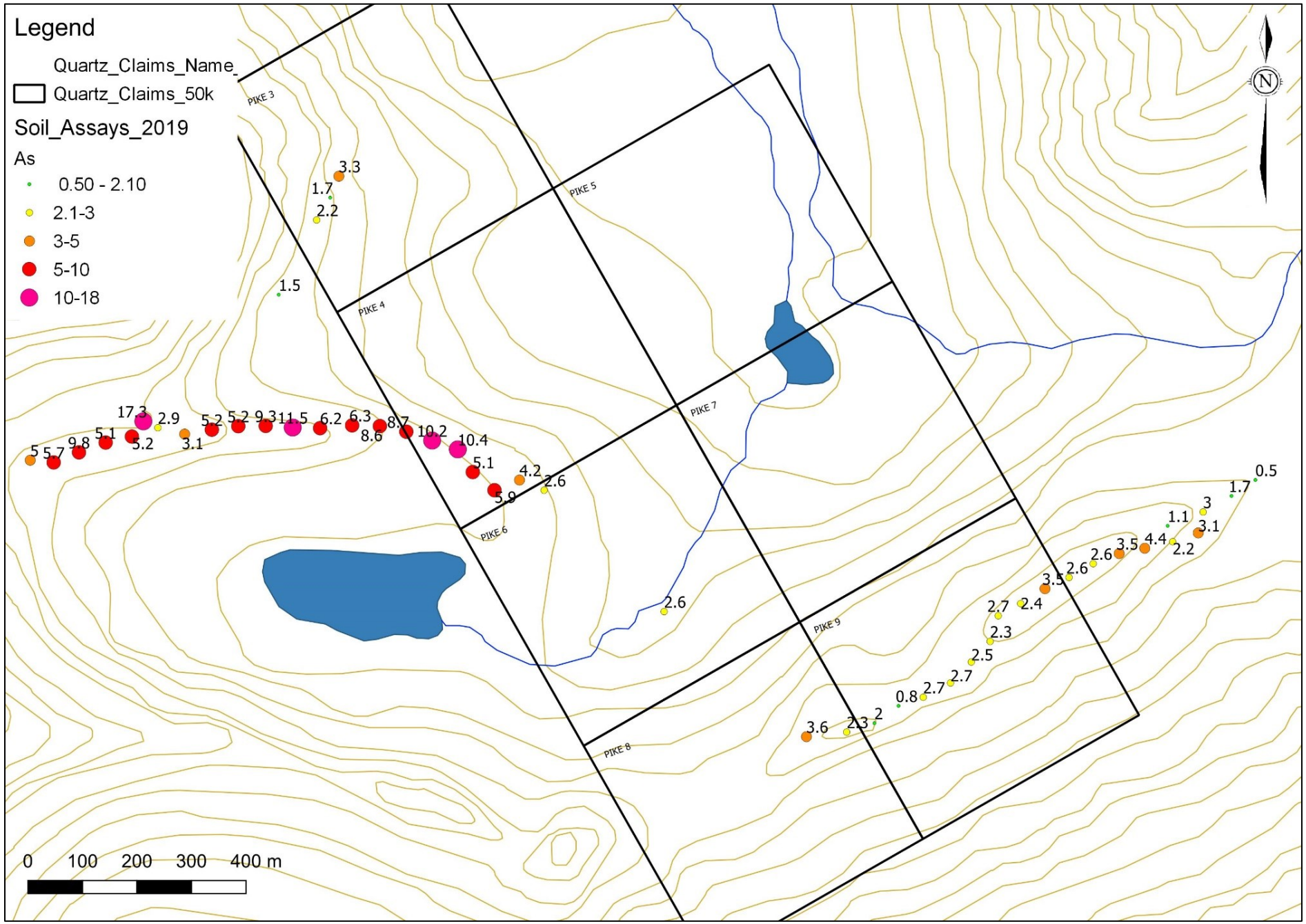


Figure 18: Pike As soil geochemistry (ppm)

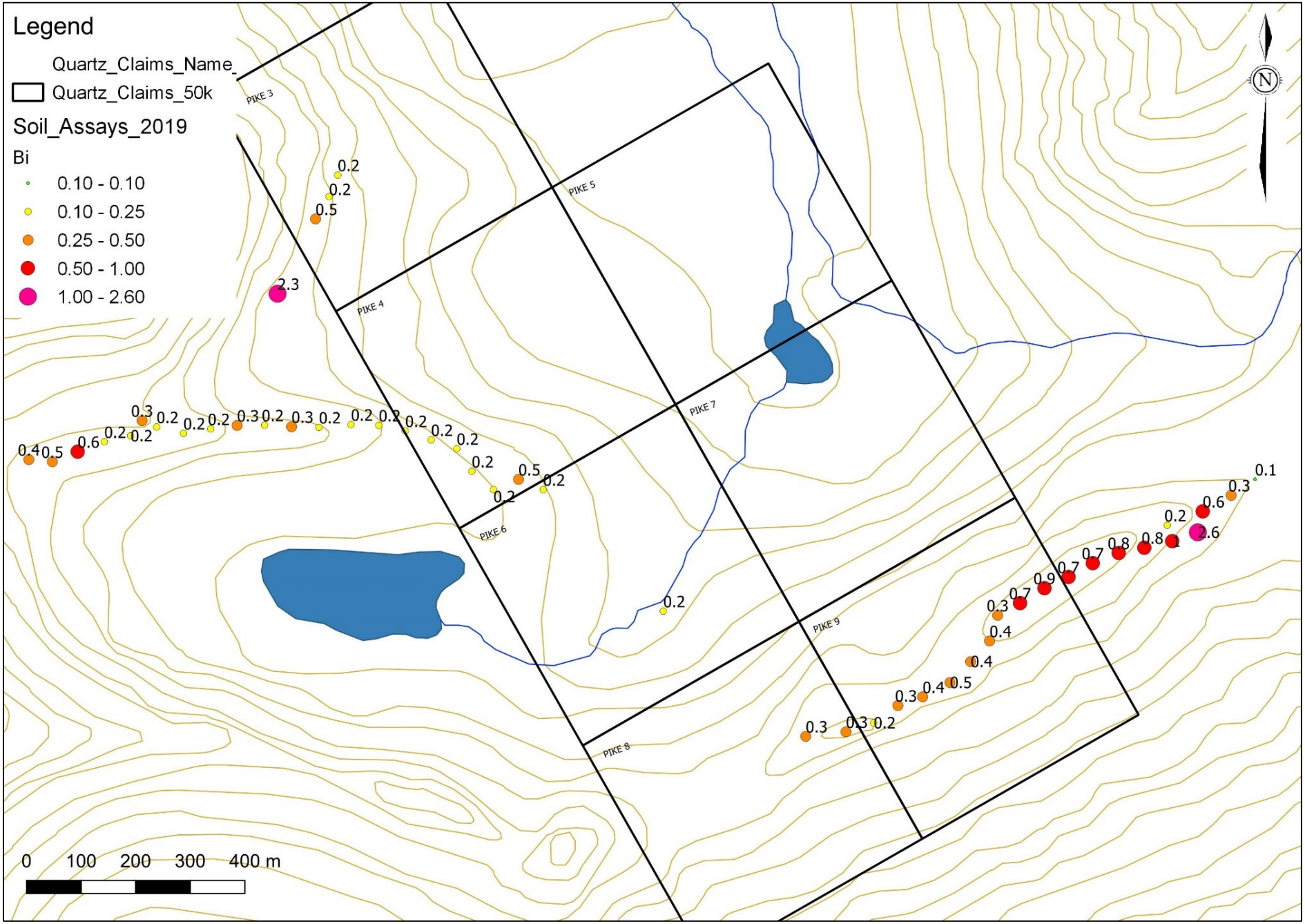


Figure 19: Pike Bi soil geochemistry (ppm)

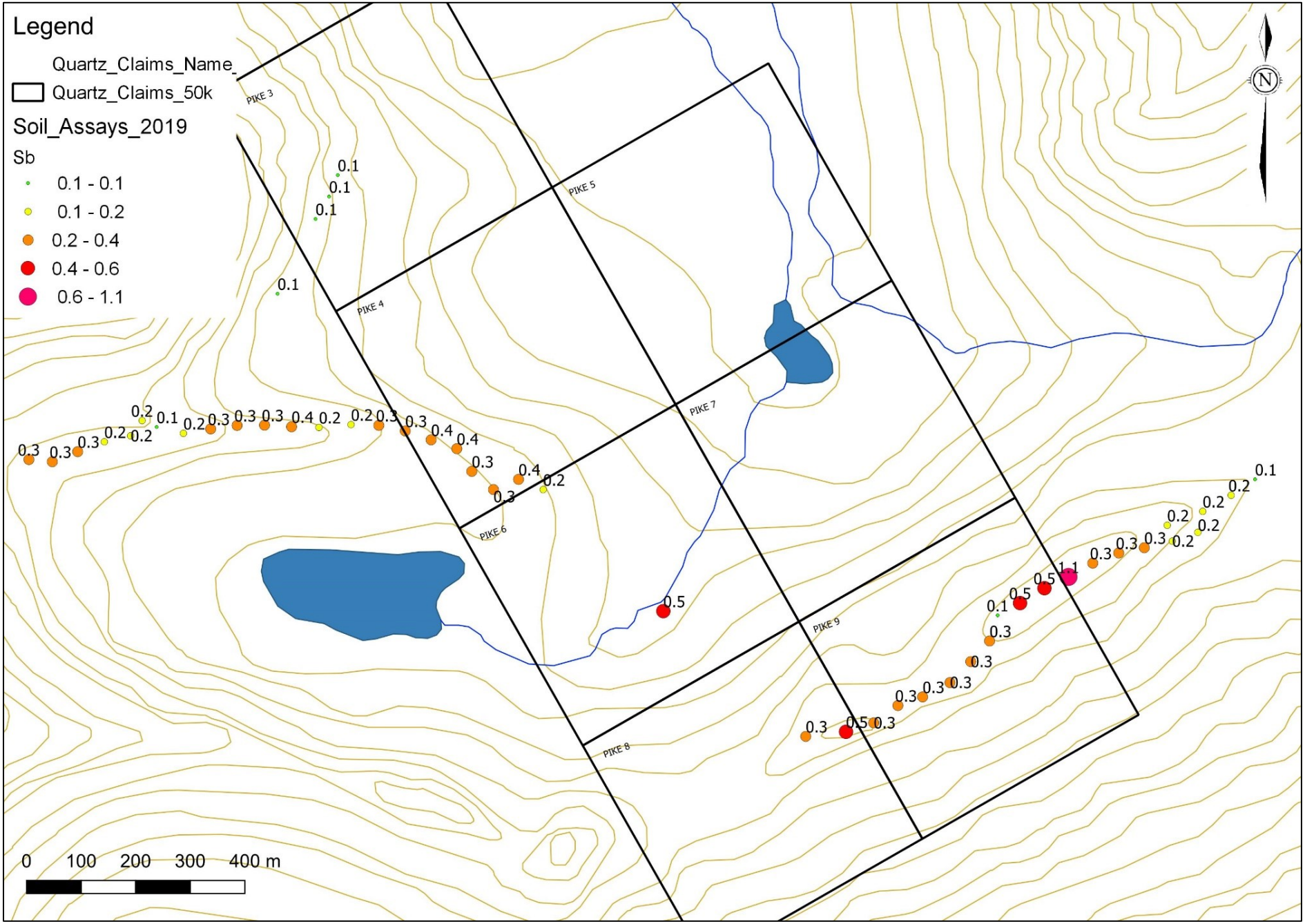


Figure 20: Pike Sb soil geochemistry (ppm)

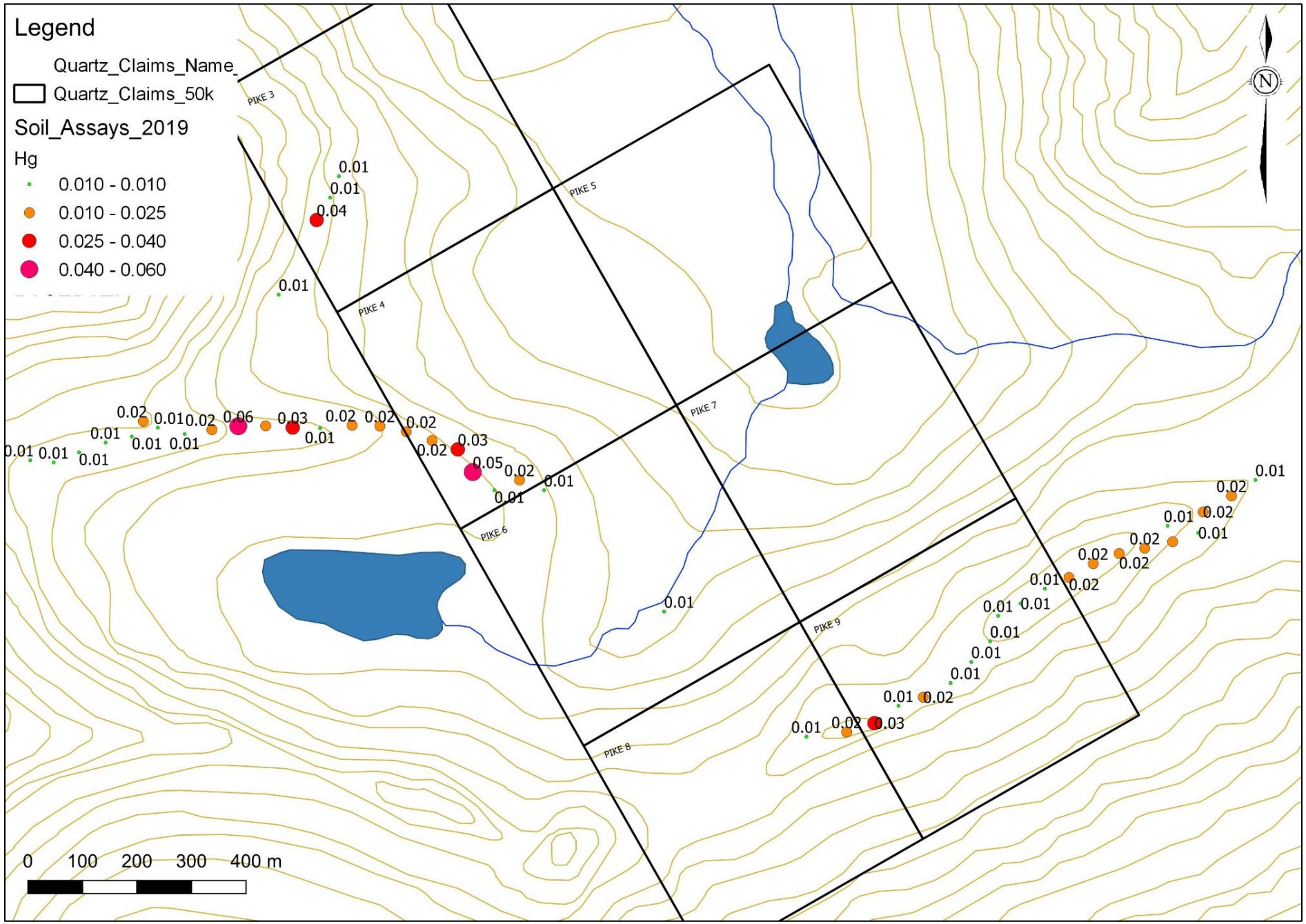


Figure 21: Pike Hg soil geochemistry (ppm)

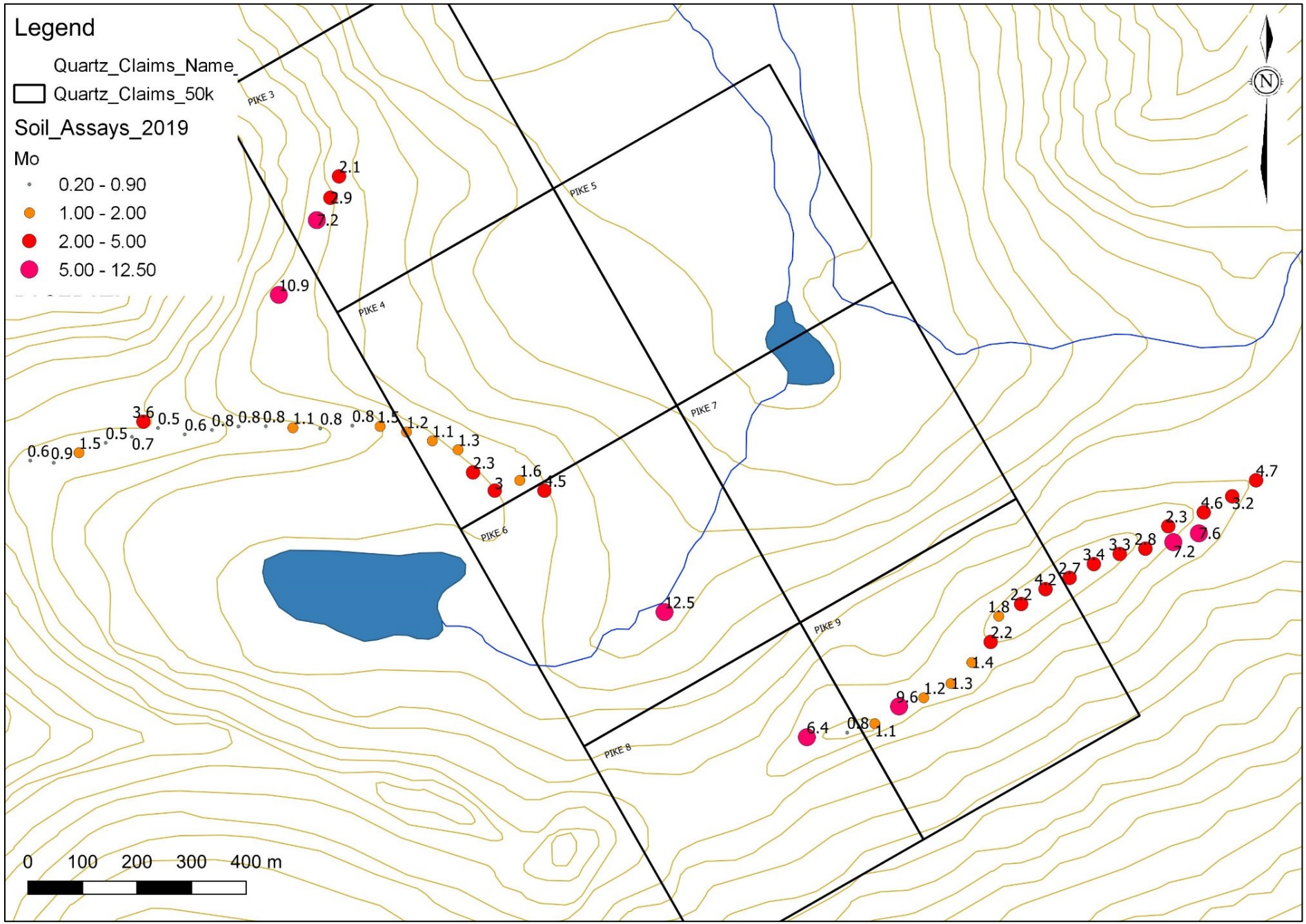


Figure 22: Pike Mo soil geochemistry (ppm)

DISCUSSION AND CONCLUSIONS

Regionally, most of the tectonic and magmatic events have or may have been accompanied by respective metallogenic assemblages (Mihalynuk et al, 1997). In particular, Upper Triassic arc rocks of the Whitehorse Trough are lithologically and temporally equivalent to those hosting important copper-molybdenum-gold porphyry deposits in southern British Columbia. Early Jurassic intrusive rocks are also known to host copper-gold mineralization in the central-western Yukon (Minto and Williams Creek deposits; Tafti and Mortensen, 2004). Cretaceous plutons produce copper skarns where they cut Upper Triassic carbonates in the Whitehorse copper belt (Mihalynuk et al, 1997), as well as copper-gold porphyry mineralization. The southern end of this belt may extend into the Skukum and Bennett area. (Naas and Simpson, 2013)

Epithermal gold-silver mineralization related to volcanic rocks forms a distinct belt extending from north to south across southern Yukon; this incorporates the Mount Nansen cluster of epithermal gold deposits and occurrences related to 100 Ma Mount Nansen volcanics, the Laforma epithermal gold deposit related to the Carmacks Group volcanics (75 Ma), and finally the Mt. Skukum and Bennett Lake areas related to Tertiary volcanic rocks (55 Ma). The emplacement of some of these volcanic rocks are responsible for both epithermal and related copper-porphyry deposits (i.e., the Laforma gold veins and the Casino copper molybdenum-gold deposit), suggesting the respective epithermal-porphyry transitions (Naas, 2007).

At the Warden property, historical sampling of vein material assayed up to 19.67 g/t Au, 378g/t Ag, 3.98% Pb, and 1.47% Cu (Wilkins and MacKinnon, 1988).

The Pike property covers copper, silver, gold, and molybdenum mineralization over a 2500 by 400 m area. Multiple vein-hosted showings have been discovered on the property, assaying up to 456 ppb Au, 143 g/t Ag, 7.49 % Cu, and 0.594% Mo.

Mineralization at the Warden and Pike properties could be related to the ring dyke developed due to caldera collapse of the Bennett Lake Subsidence complex. Numerous northeast-trending, Eocene aged, compositionally diverse dykes on the property could also contribute to mineralization. One large outcrop of sheared rock, located beneath the 391 ppb gold-in-soil anomaly has been observed on the property, but needs follow-up work to determine its mineral potential (Figure 23)

The polymetallic, vein-hosted signature observed at the Warden and Pike properties is comparable to the Skukum Creek deposit located 10 km to the north. In the Skukum Creek area, zones of mineralization are hosted primarily by northeast-trending faults. The Rainbow and Kuhn zones occur along intermixed andesite and rhyolite dykes, monolithic and polylithic phreatomagmatic breccias, semi-brittle shear zones and quartz-sulphide veins within Mt. McNeil granodiorite. Within the Rainbow and Kuhn Zones, mineralization occurs in quartz-sulphide veins that are intimately associated with an anastomosing network of shear zones that cross and/or are developed along dyke contacts (Figure 24; Naas and Simpson, 2013).

Sulphide mineralization occurs primarily as pyrite, arsenopyrite, galena, sphalerite, and chalcopyrite. There is commonly an early stage of pyrite-arsenopyrite without associated

precious metals. Gold at Skukum Creek occurs mostly as electrum and minor to trace native gold and is directly related to a late stage of galena-stibnite mineralization that replaces earlier arsenopyrite-pyrite-sphalerite. Silver is hosted predominantly in freibergite, with trace to minor native silver and argentite with trace amounts occurring within galena, chalcopyrite, stibnite and sphalerite (Naas, 2007).

A proposed structural analogue is hypothesized for the southern portion of the Pike property, based on topographical interpretation and shearing in outcrop observed near the peak gold-in-soil anomaly (Figure 25).



Figure 23: Sheared outcrop on Pike 4 claim (view is to the south)

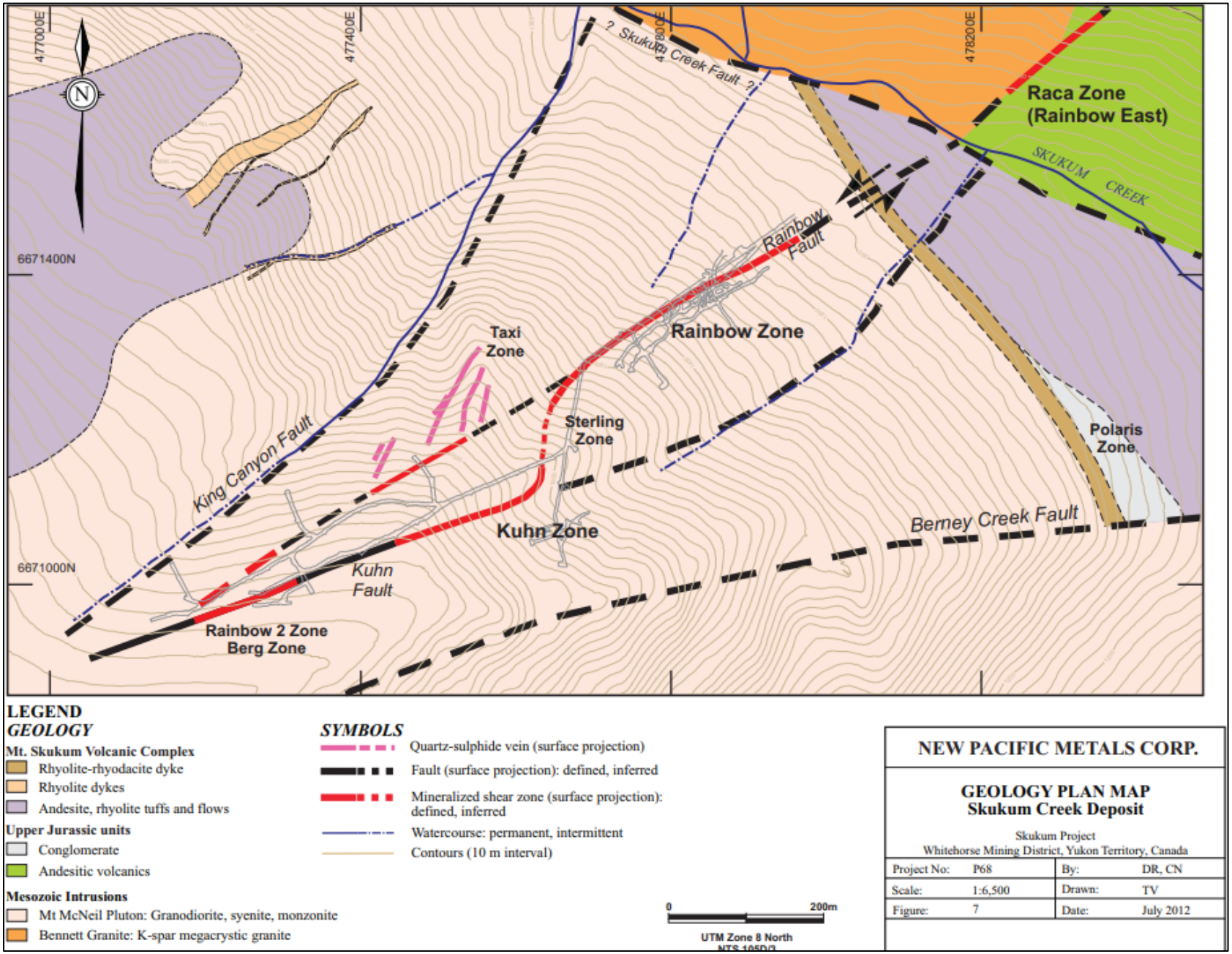


Figure 24: Geological map of the Skukum Creek zone, compiled from company maps (Naas and Simpson, 2013)

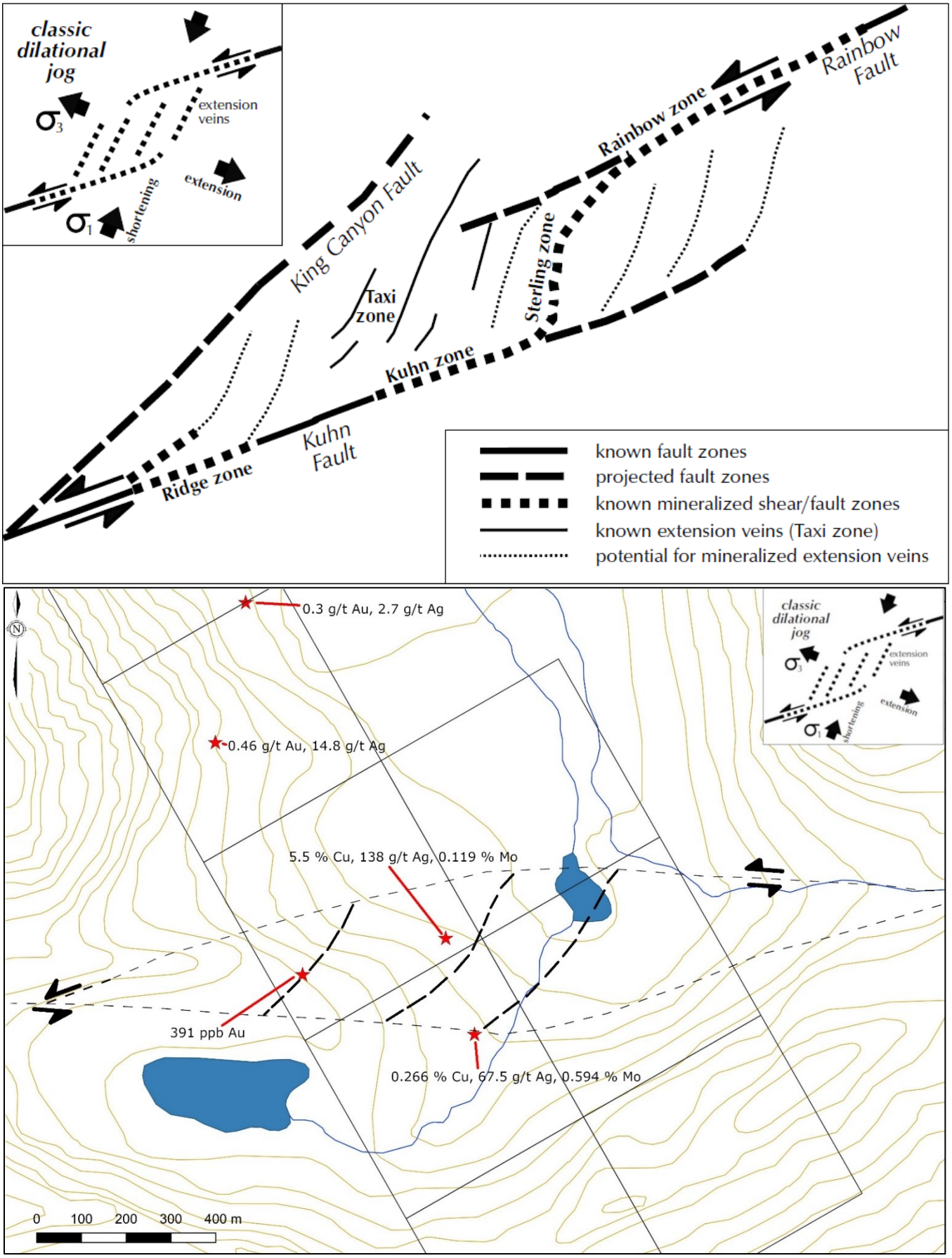


Figure 25: Structural Comparison between Skukum Creek and the Pike property (modified from Lang et al., 2003)

The Pike property is in a similar geological setting as Skukum Creek. It is hosted in the same granodiorite, and could have a similar structural setting. However, further investigation and fieldwork is required in order to fully test this hypothesis. Encouraging geochemical soil and rock sample results warrant follow-up work on both the Warden and Pike properties.

The following is recommended for future work on the Warden property:

- Claim staking from the bottom of the rock glacier cirque in order to cover historical showings from 1988.

- Relocate and re-sample the Repent, Squeaker, and Confession vein systems within the cirque.

The following is recommended for future work on the Pike property:

- Expansion of the claim block to the east and west along the contact of the rhyolite ring dyke, as well as in the valley bottom.

- Ground magnetometer geophysical survey to locate volcanic dykes (magnetic low) from the Mt. McNeil granodiorite (magnetic high), and to delineate potential structures.

- VLF-EM survey oriented southeast in order to highlight northeast trending structures and determine their strike and dip.

- Detailed mapping and follow-up of anomalous soil samples collected in 2019

- Till sampling in the valley bottom, with lines oriented north south

.

- Hand-trenching to expose bedrock above the 391 ppb Au soil sample.

- Detailed unmanned aerial vehicle (UAV) orthophotography of the property to assist in geological mapping and interpretation.

Respectfully submitted,

Ryan Burke, B.Sc., G.I.T.

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APPENDIX I

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Ryan Burke, geologist in training, with business and residential addresses in Whitehorse, Yukon Territory, do hereby certify that:

1. I graduated in 2018 from Memorial University of Newfoundland and Labrador with a B.Sc. (Hons.) in Geological Sciences.

2. I am currently registered as a Geoscientist In Training (G.I.T.) with Professional Engineers & Geoscientists Newfoundland & Labrador (PEGNL).

3. I have worked every summer since 2010 in a role related to the mineral exploration industry within the Yukon.

4. I have participated in this field program and personally interpreted all data resulting from this work.

Ryan Burke, B.Sc., G.I.T.

APPENDIX II

STATEMENT OF EXPENDITURES

Statement of Expenditures

Labour and Camp Costs

Project Geologist	9 days @ $500 per day	$4,500.00
Geologist	10 days @ $450 per day	$5,000.00
Labourer	1 day @ $275 per day	$275.00
General Camp Costs	9 days @ $100/day/person	$1,800.00

Equipment Rental

2000W Generator	9 days @ $10 per day	$90.00

Helicopter Costs (AS350SD)		$2,391.90
Analytical Costs		**$**2,830.14
Miscellaneous Costs		$234.00
Report Writing	**50 hours @ $37.00 per hour**	**$1,850.00**

TOTAL EXPENDITURES **$18,471.04**

APPENDIX III

ROCK SAMPLE DESCRIPTIONS & PHOTOGRAPHS

Sample ID	lith_1	Comments
1894751	mKW	medium grained hornblende granodiorite with weak carbonate veining developed along fractures. One surface has well developed actinolite crsytals up to 3cm long
1894752	Erd	Eocene rhyolite dyke, finegrained with hematite along fracture surfaces
1894753	mKw	rusty gd with minor quartz veining along fracture. Vein hosts cm-sized subhedral pyrite up to 5% disseminated in rusty blebby clots. Groundmass is altered, minor chlorite after hbl
1894754	mKW	rusty gd with Py and minor Cp developed along frx surfaces; minor chloritization and ksp alteration along margins of mineralized frx
1894755	QV	milky white banded quartz vein with malachite staining on fracture surfaces
1894756	QV	qv with minor mal staining on frx surfaces
1894757	QV	qv from outcrop (mal stained vein 50 cm wide - boots showing) with blebby py alteration hosted in oxidized grungy pit
1894758	QV	grungy hematite and ox stained QV from boots showing - 50 cm wide QV
1894759	QV	malachite stained banded milky white QV
1894760	QV	sulfide rich (py p to 40%) rusty qv grab from outcrop)
1894761	QV	quartz carbonate vein 5 cm wide; euhedral quartz comb texture with carb infilling space and along vein margin; minor chl +- Epi alteration along margin of vein
1894762	QV	rusty pitted qv; 4 cm wide, with minor sulfide and weathered pits along vein margin. Quartz looks more transparent and glassy rather than milky here (possibly diff't set of veins from Mal-stained milky banded veins?)
1894763	mKW	altered GD with limonitic oxidized pits along qv coming up along fracture. No visible sulfide
1894764	mKW	altered gd; magnetic; with quartz veins with py +- Cp min
1894765	QV	milky fractured qv with no visible sulfides. Minor rusty staining on frx surfaces
1894766	QV	milky frx QV with minor rusty oxidized vugs; minor manganese staining on some frx
1894767	Jgd	altred rusty qv along frx in GD, with minor sulfide on frx surfaces
1894768	QV	quartz vein along frx in Gd, nie Py +- Cp alteration along frx surface
1894769	QV	50+% Py +- Cp min along 5 cm wide qv hosted in Gd
1894770	mKW	40 cm margin of 5 cm wide quartz vein (1894769) Py+- Cp alteration extends 40 cm on eithre side of the quartz vein

1894771	mKW	rusty manganese stained qv in gd. No visible sulfide
1894772	Ebd	chlosritized basalt dyke with minor sulfide min; blebby disseminated. Amygdaloidal with carbonate filling (rare, <2%)
1894773	mKW	epidote and shlcorite fractures in granodiorite with minor qtz, Py +- Cp along fractures
1894774	QV	sulfide rich euhedral coarse grained quartz vein along gd with good (~10% py mineralization) within the quartz vein
1894775	QV	sulfide rich euhedral qtz vein with minor chl and Py along open spaces
1894776	QV	large 50 by 40 by 40 QV found in talus float with oxidized cubic pyrite vugs throughout, large piece of vein material. Some vugs have a sooty grey look to them
1894777	QV	large 50 by 40 by 40 QV found in talus float with oxidized cubic pyrite vugs throughout, large piece of vein material. Some vugs have a sooty grey look to them
1894778	QV	qv; fault hosted; with minor sulfide min throughout. Manganese stained
1894779	QV	rusyt QV taken from other side of valley in talus slope; possible extension of EW trending veins across entire valley
1894780	mKW	minor sulfide min along frx in gd
1894781	QV	heavily fractured quartz vein with minor PY min along frx;
1894782	mKW	strongly chloritized and silicified gd with disseminated Py throughout (~5%)
1894783	QVBX	quartz vein breccia with chlorite carbonate alteration along weathered surface. Patchy blebs of intense SER +- clay altered blebs with minor dissem PY
1894784	QV	rusty qv with minor pyrite alteration; blebby 3%
1894785	mKW	rusty gd with vuggy oxidized qtz frx; heavily altered
1894786	QV	milky banded qv with greyish-white alteration on weaathered surface. Minor frx, no visible sulfide
1894787	QV	banded quartz vein from outcrop (40-50cm wide; with dissem Py and strange greenish fine grained alteration mineral (scorodite?)) lots of macro photos here
1894788	QV	duplicate sample of 1894787
1894789	QV	composite chip samples of 40 cm wide vein material
1894790	QV	qtz carb vein with chlorite and epidote staining along margin; no visible sulfide
1894791	QV	sulfide rich grab sample, consists of 20+ % PY =- CP =- Pyh
1894792	QV	hematite and limonite stained vuggy qv grab from malachite vein showing
1894793	QV	qv grab from malachite vein o/c; rusty limonite on frx surfaces

1894794	Erd	rhyolite dyke grab from creek in S-end of property; minor dissem PY throughout
1894795	Erd	manganese stained rhyolite dyke grab from creek near QFP fault
1894796	QV	banded qv with minor frx and no visible sulfides
1894797	QVBX	qtz vein breccia with minor limonite in openspace fillings with minor euhedral qtz
1894798	Ebd	quartz developed in feldspar rich andesitic to basalt dyke with minor sulfide min
1894799	QV	rusty quartz vein with flaky molybdenite up to 1 cm by 1 cm. Moly flakes comprise up to 3% of the sample. Oxidized vein


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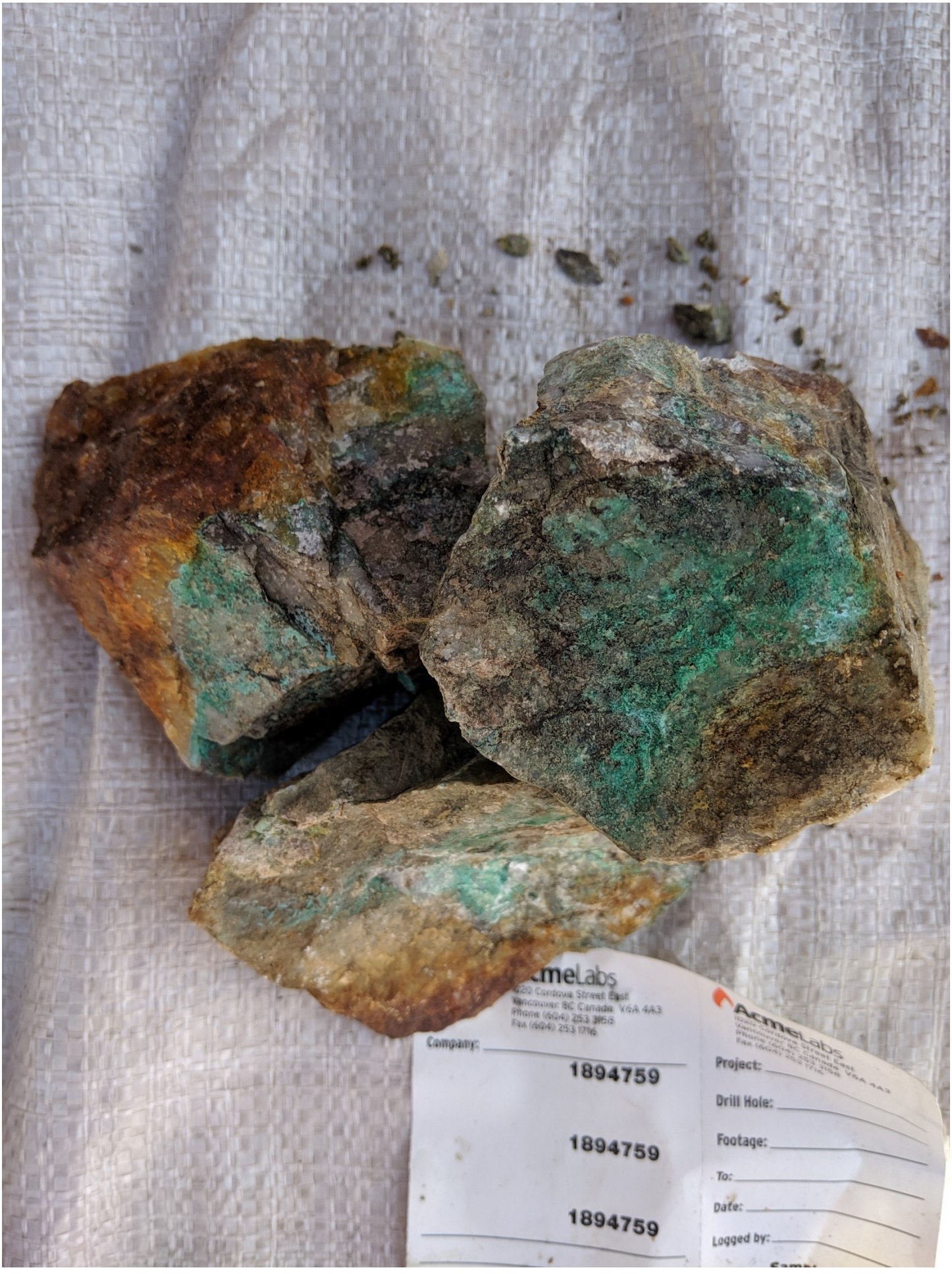

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AcmeLabs
1020 Cordova Street East
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Phone (604) 253 3158
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1020 Cordova Street East
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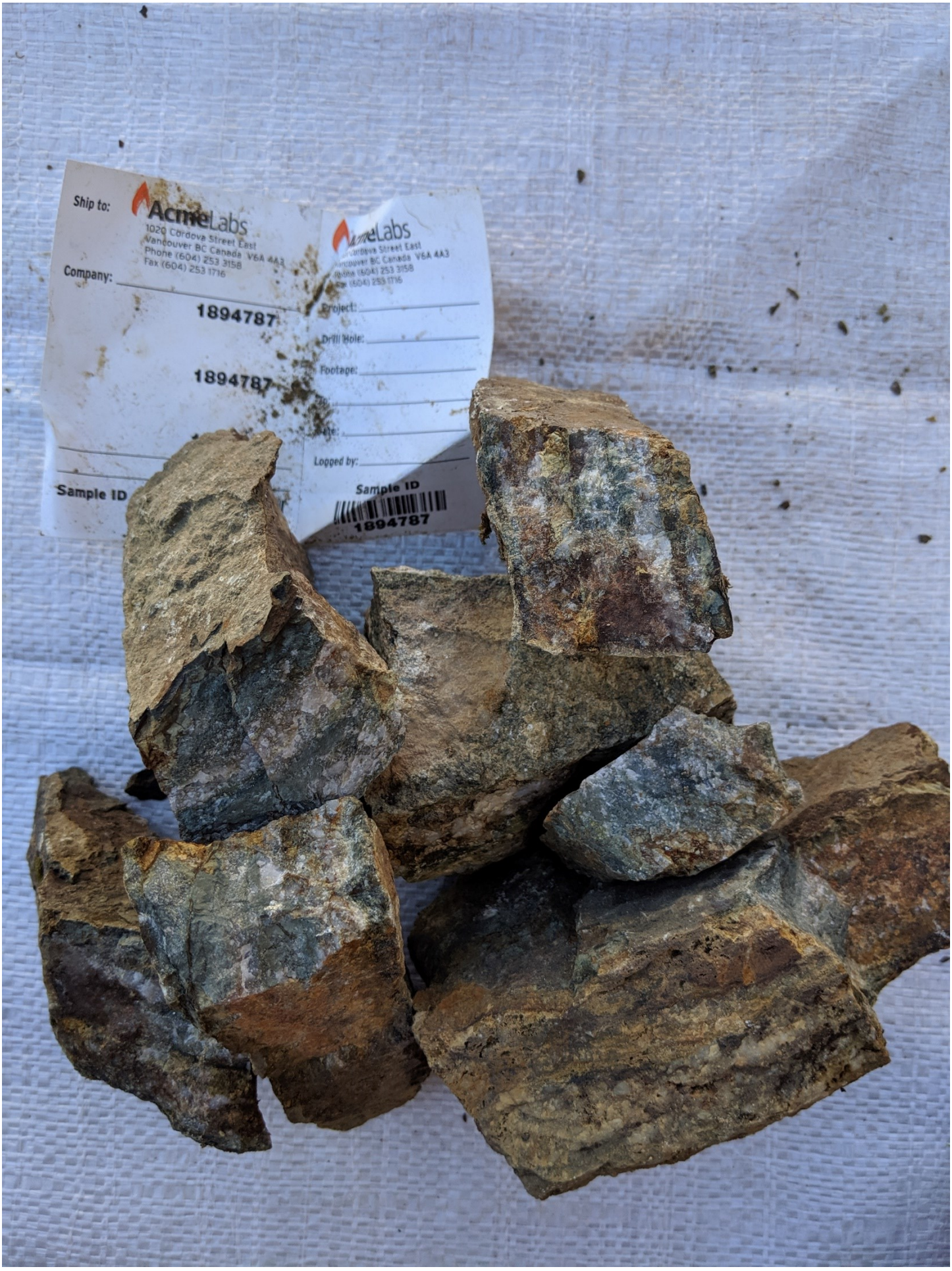



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1020 Cordova Street East
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1020 Cordova Street East
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1020 Cordova Street East
Vancouver BC Canada V6A 4A3
Phone (604) 253 3158
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Ship to:
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1020 Cordova Street East
Vancouver BC Canada V6A 4A3
Phone (604) 253 3158
Fax (604) 253 1716
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APPENDIX IV

SAMPLE HANDLING AND ANALYTICAL PROCEDURES

SAMPLE HANDLING AND ANALYTICAL PROCEDURES

All rock and soil samples collected during the 2019 program were sorted into rice bags and sealed with a plastic zap strap on the Pike property. Samples were brought to Whitehorse by field personnel.

All samples were delivered by truck to Bureau Veritas Laboratories (BV) in Whitehorse, Yukon.

Rock Geochemical Samples

All rock sample sites in 2019 were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit. All samples sent for shipment were bagged in a plastic ore bag with an individually pre-numbered sample tag placed in each bag.

The rock samples were processed and prepared at BV in Whitehorse, Yukon where they were dried and fine crushed to –2 mm. A 250 g split was then pulverized to 75 micron, and then shipped to BV Labs in Vancouver, British Columbia. A portion of this material was digested in aqua regia before being analyzed for 36 elements by the inductively coupled plasma-mass spectrometry technique (AQ201). Overlimit samples were reanalyzed using ICP-ES for silver, copper, and molybdenum using the AQ370 technique.

Soil Geochemical Samples

All soil geochemical samples collected on the property were located by means of handheld GPS units. Sample locations were marked with orange flagging tape and labelled with sample number. Soil samples were placed into individual pre-numbered kraft paper bags.

The soil samples were sent to BV, where they were dried and screened to minus 180 microns. A 50 g split of the screened fraction was dissolved in aqua regia and analyzed by AQ201.

APPENDIX V

CERTIFICATES OF ANALYSIS

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: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Submitted By: Ryan Burke
Receiving Lab: Canada-Whitehorse
Received: October 16, 2019
Report Date: November 22, 2019

CERTIFICATE OF ANALYSIS WHI19000682.2

CLIENT JOB INFORMATION

Project: PIKE
Shipment ID:
P.O. Number
Number of Samples: 49

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
RTRN-RJT Return After 60 days

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	49	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ201	49	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SLBHP	0	Sort, label and box pulps			WHI
SHP01	49	Per sample shipping charges for branch shipments			VAN
AQ370	3	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : AQ370 included.

Invoice To: Ryan Burke
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3
Canada

CC:

MAY LAI
Data Validation Specialist

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: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: November 22, 2019

CERTIFICATE OF ANALYSIS WHI19000682.2

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.001
1894751	Rock	1.69	0.5	7.6	6.2	42	0.2	4.8	10.1	475	2.52	1.7	17.5	23.2	17	<0.1	<0.1	1.3	69	1.41	0.055
1894752	Rock	1.32	0.3	0.6	17.8	13	<0.1	0.7	0.4	280	0.57	<0.5	1.5	16.5	8	<0.1	<0.1	<0.1	<1	0.36	0.002
1894753	Rock	1.29	1.5	29.7	3.2	28	0.2	17.6	38.0	268	2.55	<0.5	0.7	1.6	40	<0.1	<0.1	0.6	27	0.46	0.046
1894754	Rock	1.06	11.0	899.5	32.9	35	9.2	11.5	53.2	282	5.56	0.9	5.0	8.0	17	0.2	0.2	2.7	14	0.30	0.030
1894755	Rock	1.45	91.5	9104.3	28.6	62	26.7	2.7	5.8	482	1.51	1.2	5.4	2.7	25	1.1	0.2	727.5	18	0.43	0.015
1894756	Rock	1.23	118.6	3613.2	26.9	61	26.3	3.0	6.5	437	2.70	0.9	4.8	2.5	47	0.5	0.3	567.6	30	0.49	0.027
1894757	Rock	0.93	344.8	9080.3	38.6	43	53.6	1.8	2.5	155	3.62	<0.5	5.7	2.3	29	0.3	0.2	903.0	16	0.26	0.006
1894758	Rock	1.65	24.4	1418.1	122.0	44	97.4	1.5	2.6	96	4.63	<0.5	7.3	1.9	43	0.2	0.5	>2000	32	0.36	0.051
1894759	Rock	1.41	133.7	4021.2	228.7	16	27.4	1.6	3.6	201	1.19	1.2	3.8	0.5	11	8.8	0.2	136.1	7	0.32	0.004
1894760	Rock	1.19	1190.7	>10000	153.2	186	>100	4.9	18.6	155	12.37	0.8	59.4	5.4	45	6.4	0.4	>2000	186	0.37	0.039
1894761	Rock	1.22	4.0	64.4	1.4	26	0.4	2.9	6.3	403	1.61	0.7	2.7	0.6	11	<0.1	<0.1	5.7	22	1.05	0.011
1894762	Rock	0.89	9.2	101.3	5.2	20	0.9	4.3	19.0	219	3.58	2.0	25.9	3.2	38	<0.1	<0.1	16.9	25	0.30	0.045
1894763	Rock	0.92	21.4	10.0	4.9	44	0.2	6.3	11.6	433	3.23	0.5	4.6	5.6	48	<0.1	0.1	7.6	47	0.56	0.071
1894764	Rock	0.92	0.9	14.4	3.0	71	0.2	7.4	14.3	632	3.72	<0.5	23.1	3.6	41	<0.1	<0.1	4.0	69	0.92	0.128
1894765	Rock	0.71	4.3	9.0	0.7	1	<0.1	1.9	0.7	62	0.90	<0.5	<0.5	<0.1	3	<0.1	<0.1	1.8	2	0.02	0.003
1894766	Rock	1.64	35.7	42.6	4.5	5	2.0	1.9	7.4	76	2.66	0.9	5.7	0.7	18	<0.1	<0.1	24.0	8	0.03	0.013
1894767	Rock	0.59	49.8	70.0	11.9	39	2.7	20.4	89.8	425	10.05	1.2	304.3	1.6	62	<0.1	<0.1	40.8	48	0.92	0.085
1894768	Rock	1.14	251.3	18.2	7.9	14	0.5	6.5	24.6	216	2.57	0.5	22.4	0.9	43	<0.1	<0.1	39.2	19	0.68	0.029
1894769	Rock	1.17	4.9	130.6	14.4	8	1.5	40.9	359.9	93	17.17	<0.5	49.6	0.4	22	<0.1	<0.1	13.8	11	0.22	0.010
1894770	Rock	1.16	0.9	127.9	2.2	68	0.3	7.0	16.8	612	3.96	<0.5	6.7	2.3	29	<0.1	<0.1	1.0	97	0.70	0.141
1894771	Rock	0.91	6.5	17.1	5.4	31	0.4	4.3	15.8	367	2.86	0.5	5.8	3.2	62	<0.1	0.1	8.4	36	0.54	0.066
1894772	Rock	1.69	18.4	2.5	12.1	74	0.2	1.6	4.6	1176	2.12	1.2	1.8	11.7	18	0.5	<0.1	0.7	10	0.95	0.041
1894773	Rock	3.09	1.5	67.1	3.6	56	0.5	9.0	25.4	571	4.10	<0.5	2.6	2.3	43	0.1	<0.1	4.4	70	1.08	0.143
1894774	Rock	0.72	1.6	842.8	9.0	39	6.3	10.6	80.0	119	11.42	0.7	34.7	2.2	12	3.1	<0.1	11.2	5	0.42	0.019
1894775	Rock	1.90	1.1	778.9	8.7	3	7.1	1.0	8.0	45	1.23	<0.5	43.3	1.6	10	0.2	<0.1	1.9	1	<0.01	0.004
1894776	Rock	3.39	1.4	6.6	15.9	<1	8.0	0.9	2.3	36	0.87	<0.5	9.5	0.1	2	<0.1	<0.1	9.8	<1	<0.01	<0.001
1894777	Rock	1.84	0.7	4.2	9.3	<1	2.7	0.6	0.9	34	0.74	<0.5	10.1	0.3	7	<0.1	<0.1	4.5	<1	<0.01	<0.001
1894778	Rock	2.93	1.4	125.4	12.4	12	1.3	2.2	21.1	134	1.94	<0.5	3.2	3.8	9	0.5	<0.1	2.9	3	0.22	0.016
1894779	Rock	1.23	0.4	7.2	5.6	34	0.5	14.6	24.7	245	3.73	<0.5	5.3	3.7	38	<0.1	<0.1	8.7	36	0.39	0.069
1894780	Rock	3.49	0.7	429.7	1.8	56	0.7	6.7	14.5	495	4.57	<0.5	2.0	3.6	39	0.2	<0.1	1.2	127	1.01	0.204

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

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: November 22, 2019

CERTIFICATE OF ANALYSIS WHI19000682.2

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ370	AQ370	AQ370
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Mo	Cu	Pb
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	%
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.001	0.01
1894751	Rock		17	9	0.85	24	0.162	<1	1.74	0.070	0.09	0.6	<0.01	3.8	<0.1	<0.05	8	<0.5	<0.2			
1894752	Rock		25	2	0.01	18	0.002	<1	0.40	0.044	0.34	0.3	<0.01	0.3	0.1	<0.05	2	<0.5	<0.2			
1894753	Rock		5	11	0.65	71	0.099	<1	0.81	0.039	0.07	0.5	<0.01	1.1	<0.1	1.11	3	1.2	<0.2			
1894754	Rock		5	5	0.50	26	0.003	<1	1.10	0.035	0.11	0.1	0.01	1.2	<0.1	4.00	5	3.6	0.2			
1894755	Rock		7	4	0.28	28	0.048	<1	0.53	0.009	0.10	0.5	<0.01	1.3	<0.1	0.22	2	8.7	4.6			
1894756	Rock		5	5	0.29	24	0.070	<1	0.74	0.012	0.08	0.8	<0.01	1.9	<0.1	0.12	3	9.7	4.3			
1894757	Rock		2	2	0.09	15	0.010	<1	0.32	0.004	0.05	0.6	<0.01	0.4	<0.1	0.86	2	21.8	9.5			
1894758	Rock		3	4	0.07	22	0.060	<1	0.39	0.006	0.06	0.6	0.01	1.1	<0.1	0.12	3	34.7	27.5			
1894759	Rock		2	2	0.08	17	0.001	<1	0.16	0.002	0.03	0.8	0.01	0.4	<0.1	0.19	<1	4.5	1.2			
1894760	Rock		7	9	0.30	53	0.010	<1	0.80	0.010	0.06	1.6	0.04	2.2	<0.1	3.26	5	90.9	21.5	0.119	5.352	0.01
1894761	Rock		3	2	0.46	19	0.002	<1	0.67	0.006	0.04	<0.1	<0.01	1.1	<0.1	0.14	3	<0.5	<0.2			
1894762	Rock		7	4	0.37	86	0.028	<1	0.75	0.042	0.18	0.2	<0.01	1.9	<0.1	0.65	3	1.5	0.3			
1894763	Rock		7	9	0.86	55	0.146	<1	1.34	0.046	0.15	1.4	<0.01	1.3	<0.1	0.51	6	<0.5	<0.2			
1894764	Rock		12	11	1.41	149	0.217	<1	1.76	0.076	0.54	46.0	<0.01	3.7	0.2	1.03	6	0.6	<0.2			
1894765	Rock		<1	3	0.02	6	0.002	<1	0.04	0.003	0.01	0.4	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2			
1894766	Rock		4	2	0.04	59	0.001	<1	0.17	0.010	0.03	0.2	<0.01	0.3	<0.1	<0.05	<1	<0.5	0.6			
1894767	Rock		5	10	0.84	43	0.091	<1	1.33	0.030	0.19	0.8	0.02	2.3	<0.1	3.72	5	2.0	3.5			
1894768	Rock		3	4	0.29	58	0.055	<1	0.54	0.014	0.10	>100	*	1.0	<0.1	1.56	2	0.9	0.4			
1894769	Rock		2	3	0.14	10	0.062	<1	0.29	0.017	0.09	>100	*	0.5	<0.1	>10	1	5.0	3.8			
1894770	Rock		9	12	1.54	241	0.249	<1	2.03	0.094	1.27	8.5	<0.01	4.4	0.5	0.70	7	<0.5	<0.2			
1894771	Rock		9	6	0.72	131	0.166	<1	1.10	0.040	0.41	2.1	<0.01	1.6	0.1	0.49	4	0.8	0.2			
1894772	Rock		17	5	0.18	9	0.006	<1	0.90	0.053	0.25	0.3	<0.01	2.0	<0.1	0.24	5	<0.5	<0.2			
1894773	Rock		11	10	1.42	130	0.216	<1	1.78	0.072	0.62	2.4	<0.01	3.7	0.3	1.35	6	0.7	0.2			
1894774	Rock		1	2	0.05	28	0.002	<1	0.28	0.030	0.16	0.2	0.02	0.4	<0.1	>10	<1	7.0	1.7			
1894775	Rock		3	2	0.01	46	0.001	<1	0.10	0.013	0.07	0.1	<0.01	0.1	<0.1	0.49	<1	0.9	<0.2			
1894776	Rock		<1	2	<0.01	19	<0.001	<1	0.03	0.005	0.03	0.2	<0.01	<0.1	<0.1	0.28	<1	1.8	<0.2			
1894777	Rock		<1	2	<0.01	32	<0.001	<1	0.07	0.027	0.06	<0.1	<0.01	<0.1	<0.1	0.14	<1	0.7	<0.2			
1894778	Rock		6	2	0.08	82	0.002	<1	0.28	0.024	0.14	0.1	<0.01	0.2	<0.1	1.10	<1	1.1	0.3			
1894779	Rock		12	4	0.85	72	0.120	<1	1.13	0.054	0.15	0.2	<0.01	1.1	<0.1	1.60	4	2.5	4.7			
1894780	Rock		10	3	1.42	120	0.211	<1	1.67	0.072	0.32	40.5	<0.01	5.3	0.2	1.19	6	0.7	<0.2			

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Bureau Veritas Commodities Canada Ltd.

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

Client: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: November 22, 2019

CERTIFICATE OF ANALYSIS WHI19000682.2

	Method	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370
	Analyte	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W	Hg
	Unit	%	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.01	0.001	0.001
1894751	Rock																				
1894752	Rock																				
1894753	Rock																				
1894754	Rock																				
1894755	Rock																				
1894756	Rock																				
1894757	Rock																				
1894758	Rock																				
1894759	Rock																				
1894760	Rock	0.02	138	<0.001	0.002	0.01	12.11	<0.01	0.004	<0.001	<0.001	0.30	0.33	0.043	0.001	0.31	0.73	0.01	0.08	<0.001	<0.001
1894761	Rock																				
1894762	Rock																				
1894763	Rock																				
1894764	Rock																				
1894765	Rock																				
1894766	Rock																				
1894767	Rock																				
1894768	Rock																				
1894769	Rock																				
1894770	Rock																				
1894771	Rock																				
1894772	Rock																				
1894773	Rock																				
1894774	Rock																				
1894775	Rock																				
1894776	Rock																				
1894777	Rock																				
1894778	Rock																				
1894779	Rock																				
1894780	Rock																				

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Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: November 22, 2019

CERTIFICATE OF ANALYSIS WHI19000682.2

		Method	AQ370
		Analyte	S
		Unit	%
		MDL	0.05
1894751	Rock		
1894752	Rock		
1894753	Rock		
1894754	Rock		
1894755	Rock		
1894756	Rock		
1894757	Rock		
1894758	Rock		
1894759	Rock		
1894760	Rock		5.44
1894761	Rock		
1894762	Rock		
1894763	Rock		
1894764	Rock		
1894765	Rock		
1894766	Rock		
1894767	Rock		
1894768	Rock		
1894769	Rock		
1894770	Rock		
1894771	Rock		
1894772	Rock		
1894773	Rock		
1894774	Rock		
1894775	Rock		
1894776	Rock		
1894777	Rock		
1894778	Rock		
1894779	Rock		
1894780	Rock		

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CERTIFICATE OF ANALYSIS WHI19000682.2

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.001
1894781	Rock	1.14	3.8	25.0	129.8	15	14.8	10.2	81.6	583	4.94	8.6	456.2	<0.1	63	0.9	<0.1	30.3	7	2.68	0.002
1894782	Rock	1.44	12.5	10.8	6.0	103	0.2	16.1	24.0	638	5.79	24.1	15.8	5.3	36	<0.1	0.3	0.6	121	1.07	0.284
1894783	Rock	2.08	1.2	20.7	3.5	29	0.4	2.2	6.5	889	2.28	3.1	24.2	0.5	103	0.1	<0.1	0.4	28	3.46	0.010
1894784	Rock	1.31	5.1	5.7	1.2	2	<0.1	3.8	25.5	66	1.17	1.0	2.6	0.4	5	<0.1	<0.1	0.2	3	0.12	0.002
1894785	Rock	1.46	3.7	15.5	35.8	48	7.3	6.1	12.9	408	3.52	0.6	3.4	7.4	53	0.1	<0.1	188.6	46	0.58	0.102
1894786	Rock	1.82	2.8	8.1	0.8	6	0.4	3.3	0.4	47	0.67	8.8	1.4	0.4	2	<0.1	0.4	0.6	18	0.03	0.016
1894787	Rock	2.40	4.9	10.4	5.7	87	0.2	3.1	9.7	957	2.76	2.3	5.1	1.7	141	0.9	1.2	0.8	18	3.26	0.022
1894788	Rock	1.52	4.5	14.1	9.8	106	0.2	3.4	12.0	1176	3.02	2.7	4.2	2.2	148	1.3	1.2	0.3	21	3.37	0.027
1894789	Rock	1.31	0.5	63.9	14.7	101	0.3	2.8	8.8	1122	3.02	5.2	1.3	0.5	88	1.9	1.4	0.3	13	4.33	0.004
1894790	Rock	2.16	0.2	41.5	48.9	73	0.3	3.0	6.0	585	1.73	0.6	<0.5	0.5	54	2.0	1.7	0.3	14	2.05	0.010
1894791	Rock	1.71	302.8	>10000	18.7	281	>100	2.9	14.1	51	11.56	3.3	43.6	0.7	8	8.6	0.2	709.3	12	0.09	0.008
1894792	Rock	2.06	52.8	389.3	8.3	12	11.0	0.8	0.7	43	1.52	<0.5	6.3	0.3	6	<0.1	0.1	491.4	6	0.06	0.001
1894793	Rock	1.11	2.1	210.7	1.5	6	1.3	8.1	2.8	82	1.10	14.7	1.0	0.2	1	<0.1	2.4	5.2	3	0.01	0.002
1894794	Rock	1.26	4.4	20.9	8.8	56	0.1	0.5	0.3	162	1.00	<0.5	<0.5	8.7	6	0.9	<0.1	2.6	2	0.11	0.001
1894795	Rock	1.16	5.1	32.0	29.8	99	0.8	1.4	1.1	285	1.33	1.1	0.7	11.3	4	0.1	0.2	1.4	5	0.02	0.016
1894796	Rock	1.49	0.4	14.1	4.0	3	<0.1	0.9	0.5	94	0.37	0.6	1.0	5.9	4	<0.1	<0.1	0.8	1	0.03	0.002
1894797	Rock	0.97	6.4	17.1	5.4	13	0.3	3.5	2.5	225	0.76	1.2	0.7	2.0	3	0.1	<0.1	1.0	4	0.20	0.029
1894798	Rock	0.66	0.4	107.1	15.5	48	0.4	5.5	10.3	402	2.45	1.1	0.9	4.1	32	0.2	0.3	0.5	40	0.78	0.068
1894799	Rock	1.28	>2000	2682.9	27.8	35	67.5	1.3	5.0	47	5.97	91.5	18.9	1.1	2	7.3	1.2	14.4	<1	<0.01	0.002

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PHONE (604) 253-3158

Client: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: November 22, 2019

CERTIFICATE OF ANALYSIS WHI19000682.2

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ370	AQ370	AQ370
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Mo	Cu	Pb
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	%
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.001	0.01
1894781	Rock	1	11	0.27	4	0.002	<1	0.26	0.002	<0.01	0.3	0.01	1.1	<0.1	3.37	<1	2.5	6.1			
1894782	Rock	21	12	2.40	44	0.202	<1	2.87	0.014	0.26	1.5	<0.01	5.8	<0.1	1.66	10	0.6	<0.2			
1894783	Rock	10	3	0.98	38	0.002	<1	1.12	0.002	0.08	0.3	<0.01	1.6	<0.1	0.36	4	<0.5	<0.2			
1894784	Rock	<1	3	0.05	2	0.007	1	0.08	0.003	<0.01	0.2	<0.01	0.3	<0.1	0.52	<1	<0.5	<0.2			
1894785	Rock	12	11	0.98	176	0.077	2	1.54	0.079	0.28	0.2	<0.01	4.0	<0.1	0.38	6	0.9	0.5			
1894786	Rock	<1	5	0.07	10	<0.001	1	0.09	0.003	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	1.3	<0.2			
1894787	Rock	6	2	0.91	45	0.032	2	1.06	0.010	0.07	1.0	<0.01	2.3	<0.1	0.09	4	<0.5	<0.2			
1894788	Rock	8	2	0.91	44	0.067	<1	1.14	0.008	0.03	1.5	<0.01	2.7	<0.1	0.10	4	<0.5	<0.2			
1894789	Rock	3	2	0.50	26	0.002	1	0.37	0.007	0.02	2.1	<0.01	1.0	<0.1	0.41	2	<0.5	<0.2			
1894790	Rock	5	2	0.86	22	0.016	1	0.67	0.006	0.02	1.0	<0.01	2.2	<0.1	<0.05	2	<0.5	<0.2			
1894791	Rock	<1	2	0.03	6	0.008	<1	0.11	0.001	0.01	1.5	0.05	0.4	<0.1	4.06	1	>100	25.1	0.029	7.489	<0.01
1894792	Rock	<1	2	<0.01	1	0.002	<1	0.06	<0.001	<0.01	0.8	<0.01	0.2	<0.1	<0.05	1	4.4	2.3			
1894793	Rock	<1	2	0.04	10	0.001	<1	0.11	0.002	0.02	<0.1	<0.01	0.5	<0.1	<0.05	<1	1.0	<0.2			
1894794	Rock	27	1	<0.01	26	0.005	<1	0.31	0.038	0.23	0.9	<0.01	0.3	<0.1	<0.05	2	<0.5	<0.2			
1894795	Rock	36	3	<0.01	31	0.001	<1	0.32	0.062	0.12	<0.1	<0.01	0.8	<0.1	0.07	2	<0.5	0.2			
1894796	Rock	1	2	0.05	19	<0.001	<1	0.16	0.019	0.12	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2			
1894797	Rock	12	3	0.02	52	<0.001	<1	0.17	0.002	0.10	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2			
1894798	Rock	11	6	0.42	62	0.042	2	1.06	0.046	0.15	0.7	<0.01	4.1	<0.1	<0.05	3	<0.5	<0.2			
1894799	Rock	<1	2	<0.01	43	<0.001	<1	0.11	0.003	0.01	1.1	0.04	0.4	<0.1	1.01	<1	21.6	1.0	0.594	0.266	<0.01

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60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: November 22, 2019

CERTIFICATE OF ANALYSIS WHI19000682.2

	Method	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370
	Analyte	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W	Hg
	Unit	%	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.01	0.001	0.001
1894781	Rock																				
1894782	Rock																				
1894783	Rock																				
1894784	Rock																				
1894785	Rock																				
1894786	Rock																				
1894787	Rock																				
1894788	Rock																				
1894789	Rock																				
1894790	Rock																				
1894791	Rock	0.03	143	<0.001	0.001	<0.01	11.38	<0.01	<0.001	<0.001	<0.001	0.07	0.09	0.007	<0.001	0.03	0.10	<0.01	0.01	<0.001	<0.001
1894792	Rock																				
1894793	Rock																				
1894794	Rock																				
1894795	Rock																				
1894796	Rock																				
1894797	Rock																				
1894798	Rock																				
1894799	Rock	<0.01	66	<0.001	<0.001	<0.01	5.99	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.002	<0.001	<0.01	0.09	<0.01	0.01	<0.001	<0.001

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Report Date: November 22, 2019

CERTIFICATE OF ANALYSIS WHI19000682.2

		Method	AQ370
		Analyte	S
		Unit	%
		MDL	0.05
1894781	Rock		
1894782	Rock		
1894783	Rock		
1894784	Rock		
1894785	Rock		
1894786	Rock		
1894787	Rock		
1894788	Rock		
1894789	Rock		
1894790	Rock		
1894791	Rock		7.10
1894792	Rock		
1894793	Rock		
1894794	Rock		
1894795	Rock		
1894796	Rock		
1894797	Rock		
1894798	Rock		
1894799	Rock		0.99

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Client: **Ryan Burke**
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Project: PIKE

Report Date: November 22, 2019

QUALITY CONTROL REPORT WHI19000682.2

		Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.001
Pulp Duplicates																						
1894760	Rock		1.19	1190.7	>10000	153.2	186	>100	4.9	18.6	155	12.37	0.8	59.4	5.4	45	6.4	0.4	>2000	186	0.37	0.039
REP 1894760	QC			1194.4	>10000	150.9	185	>100	4.9	18.4	152	12.22	0.7	56.6	5.4	44	6.3	0.4	>2000	185	0.36	0.039
1894788	Rock		1.52	4.5	14.1	9.8	106	0.2	3.4	12.0	1176	3.02	2.7	4.2	2.2	148	1.3	1.2	0.3	21	3.37	0.027
REP 1894788	QC			5.1	15.4	10.8	108	0.2	3.6	12.0	1192	3.09	3.0	4.9	2.4	148	1.5	1.2	0.3	22	3.42	0.030
Core Reject Duplicates																						
1894783	Rock		2.08	1.2	20.7	3.5	29	0.4	2.2	6.5	889	2.28	3.1	24.2	0.5	103	0.1	<0.1	0.4	28	3.46	0.010
DUP 1894783	QC			1.2	20.4	3.0	29	0.3	2.1	6.3	882	2.26	2.7	31.5	0.5	102	0.2	<0.1	0.3	28	3.41	0.010
Reference Materials																						
STD BVGEO01	Standard			11.3	4376.8	192.4	1722	2.6	153.4	25.5	715	3.71	122.6	213.3	16.7	60	6.7	3.5	26.7	70	1.31	0.080
STD CDN-ME-9A	Standard																					
STD CDN-ME-14A	Standard																					
STD DS11	Standard			15.5	146.6	126.0	330	1.8	84.9	13.9	997	3.11	43.6	86.9	7.4	63	2.1	7.8	10.4	47	1.05	0.067
STD OREAS262	Standard			0.8	118.3	53.6	151	0.5	68.7	27.3	541	3.23	36.8	74.4	8.9	34	0.6	5.3	1.4	22	2.95	0.038
STD OREAS262	Standard			0.6	121.7	56.3	151	0.4	61.4	27.8	539	3.25	35.3	58.1	10.4	34	0.6	5.1	1.1	22	2.97	0.043
STD DS11 Expected				14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
STD BVGEO01 Expected				11.2	4415	187	1741	2.53	163	25	733	3.7	121	219	14.4	55	6.5	3.39	25.6	73	1.3219	0.0727
STD OREAS262 Expected				0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04
STD CDN-ME-9A Expected																						
STD CDN-ME-14A Expected																						
BLK	Blank			<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	0.3	<1	<0.01	<0.001
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.001
BLK	Blank																					
Prep Wash																						
ROCK-WHI	Prep Blank			0.9	6.2	1.2	36	<0.1	2.5	4.9	614	2.13	0.7	1.2	2.1	25	<0.1	<0.1	<0.1	30	0.77	0.039
ROCK-WHI	Prep Blank			0.9	5.2	0.9	35	<0.1	1.8	4.7	591	2.11	1.1	0.7	2.1	23	<0.1	<0.1	<0.1	29	0.64	0.039

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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: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: November 22, 2019

QUALITY CONTROL REPORT WHI19000682.2

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ370	AQ370	AQ370
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Mo	Cu	Pb
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	%
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.001	0.01
Pulp Duplicates																						
1894760	Rock		7	9	0.30	53	0.010	<1	0.80	0.010	0.06	1.6	0.04	2.2	<0.1	3.26	5	90.9	21.5	0.119	5.352	0.01
REP 1894760	QC		7	8	0.31	51	0.010	<1	0.79	0.011	0.06	1.6	0.04	2.1	<0.1	3.40	5	90.9	21.6			
1894788	Rock		8	2	0.91	44	0.067	<1	1.14	0.008	0.03	1.5	<0.01	2.7	<0.1	0.10	4	<0.5	<0.2			
REP 1894788	QC		9	2	0.93	46	0.074	1	1.16	0.009	0.04	1.8	<0.01	3.1	<0.1	0.10	4	<0.5	<0.2			
Core Reject Duplicates																						
1894783	Rock		10	3	0.98	38	0.002	<1	1.12	0.002	0.08	0.3	<0.01	1.6	<0.1	0.36	4	<0.5	<0.2			
DUP 1894783	QC		10	3	0.96	40	0.002	<1	1.12	0.002	0.08	0.2	<0.01	1.6	<0.1	0.36	4	<0.5	<0.2			
Reference Materials																						
STD BVGEO01	Standard		27	183	1.30	254	0.232	5	2.37	0.195	0.88	5.2	0.09	6.3	0.6	0.66	8	5.6	0.9			
STD CDN-ME-9A	Standard																			<0.001	0.654	<0.01
STD CDN-ME-14A	Standard																			0.002	1.259	0.49
STD DS11	Standard		17	59	0.84	348	0.092	7	1.17	0.071	0.40	3.1	0.28	3.2	4.9	0.26	5	2.5	4.6			
STD OREAS262	Standard		16	44	1.18	242	0.003	4	1.46	0.065	0.31	0.2	0.16	3.3	0.5	0.24	4	0.8	0.2			
STD OREAS262	Standard		16	41	1.17	241	0.003	4	1.40	0.067	0.31	0.2	0.16	3.4	0.5	0.25	4	<0.5	0.2			
STD DS11 Expected			18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56			
STD BVGEO01 Expected			25.9	187	1.2963	260	0.233	3.8	2.347	0.1924	0.89	5.3	0.1	5.97	0.62	0.6655	7.37	4.84	1.02			
STD OREAS262 Expected			15.9	41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	0.17	3.24	0.47	0.253	3.73	0.4	0.23			
STD CDN-ME-9A Expected																				0.00033	0.654	0.003
STD CDN-ME-14A Expected																				0.0015	1.24	0.488
BLK	Blank		<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank		<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2			
BLK	Blank																			<0.001	<0.001	<0.01
Prep Wash																						
ROCK-WHI	Prep Blank		6	5	0.60	56	0.082	1	1.11	0.097	0.09	0.2	<0.01	3.2	<0.1	<0.05	4	<0.5	<0.2			
ROCK-WHI	Prep Blank		6	4	0.56	55	0.079	2	1.07	0.102	0.09	0.1	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2			

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Client: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: November 22, 2019

QUALITY CONTROL REPORT WHI19000682.2

		Method	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370	AQ370
		Analyte	Zn	Ag	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg	Al	Na	K	W	Hg
		Unit	%	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		MDL	0.01	2	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.01	0.001	0.001
Pulp Duplicates																						
1894760	Rock		0.02	138	<0.001	0.002	0.01	12.11	<0.01	0.004	<0.001	<0.001	0.30	0.33	0.043	0.001	0.31	0.73	0.01	0.08	<0.001	<0.001
REP 1894760	QC																					
1894788	Rock																					
REP 1894788	QC																					
Core Reject Duplicates																						
1894783	Rock																					
DUP 1894783	QC																					
Reference Materials																						
STD BVGEO01	Standard																					
STD CDN-ME-9A	Standard		<0.01	3	0.917	0.016	0.06	11.47	<0.01	0.005	<0.001	<0.001	<0.01	1.23	0.058	0.014	2.74	1.99	0.27	0.18	<0.001	<0.001
STD CDN-ME-14A	Standard		3.14	44	0.002	0.017	0.06	17.55	0.01	<0.001	0.009	0.003	<0.01	0.31	0.014	0.003	0.89	1.13	0.02	0.36	<0.001	<0.001
STD DS11	Standard																					
STD OREAS262	Standard																					
STD OREAS262	Standard																					
STD DS11 Expected																						
STD BVGEO01 Expected																						
STD OREAS262 Expected																						
STD CDN-ME-9A Expected			0.0096	3.3	0.912	0.0165	0.066	11.73	0.00125	0.006		0	0.00014	0.0002	1.37	0.0583	0.0134	2.84	2.21	0.309	0.1813	0	0
STD CDN-ME-14A Expected			2.97	42.3	0.0018	0.017	0.0589	17.29	0.0105	0.00036	0.0088	0.0024	0.0096	0.298	0.0127	0.0019	0.8787	1.14	0.0264	0.359		0.0015
BLK	Blank																					
BLK	Blank																					
BLK	Blank		<0.01	<2	<0.001	<0.001	<0.01	<0.01	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	<0.01	<0.01	<0.01	<0.001	<0.001
Prep Wash																						
ROCK-WHI	Prep Blank																					
ROCK-WHI	Prep Blank																					

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Client: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE

Report Date: November 22, 2019

QUALITY CONTROL REPORT WHI19000682.2

		Method	AQ370
		Analyte	S
		Unit	%
		MDL	0.05
Pulp Duplicates			
1894760	Rock		5.44
REP 1894760	QC		
1894788	Rock		
REP 1894788	QC		
Core Reject Duplicates			
1894783	Rock		
DUP 1894783	QC		
Reference Materials			
STD BVGEO01	Standard		
STD CDN-ME-9A	Standard		3.25
STD CDN-ME-14A	Standard		16.72
STD DS11	Standard		
STD OREAS262	Standard		
STD OREAS262	Standard		
STD DS11 Expected			
STD BVGEO01 Expected			
STD OREAS262 Expected			
STD CDN-ME-9A Expected			3.34
STD CDN-ME-14A Expected			16.52
BLK	Blank		
BLK	Blank		
BLK	Blank		<0.05
Prep Wash			
ROCK-WHI	Prep Blank		
ROCK-WHI	Prep Blank		

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

Client: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Submitted By: Ryan Burke
Receiving Lab: Canada-Whitehorse
Received: October 16, 2019
Report Date: November 08, 2019
Page: 1 of 3

CERTIFICATE OF ANALYSIS WHI19000681.1

CLIENT JOB INFORMATION

Project: PIKE
Shipment ID:
P.O. Number
Number of Samples: 48

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
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	48	Dry at 60C			WHI
SS80	48	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	48	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	48	Per sample shipping charges for branch shipments			VAN
SLBHP	0	Sort, label and box pulps			WHI
SVRJT	48	Save all or part of Soil Reject			WHI

ADDITIONAL COMMENTS

Invoice To: Ryan Burke
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3
Canada

CC:

KERRY JAY
Geochem Project Specialist

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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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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
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Client: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: November 08, 2019

CERTIFICATE OF ANALYSIS WHI19000681.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1894801	Soil		4.7	5.1	59.6	153	0.2	3.6	2.5	2021	3.45	<0.5	8.6	25.6	20	0.4	0.1	0.1	8	0.35	0.030	71
1894802	Soil		3.2	11.0	27.1	93	0.1	6.6	5.3	918	2.23	1.7	8.0	20.5	14	0.2	0.2	0.3	23	0.22	0.060	41
1894803	Soil		4.6	14.0	32.3	106	0.3	10.4	6.1	772	2.53	3.0	6.9	24.1	19	0.2	0.2	0.6	31	0.40	0.075	60
1894804	Soil		7.6	12.6	22.5	66	<0.1	11.7	7.4	963	2.34	3.1	3.9	30.0	14	0.3	0.2	2.6	38	0.23	0.089	37
1894805	Soil		7.2	13.7	78.9	101	<0.1	6.4	6.3	941	2.22	2.2	1.9	17.4	14	0.3	0.2	1.0	28	0.14	0.047	28
1894806	Soil		2.3	24.3	27.9	133	0.2	55.7	24.2	1406	4.29	1.1	<0.5	13.0	48	0.6	0.2	0.2	58	1.83	0.197	36
1894807	Soil		2.8	13.4	23.2	62	0.2	12.3	6.3	516	1.97	4.4	3.9	10.6	17	0.2	0.3	0.8	34	0.24	0.092	31
1894808	Soil		3.3	13.9	29.8	60	0.2	8.7	6.1	571	2.14	3.5	1.5	5.6	17	0.3	0.3	0.8	35	0.17	0.064	24
1894809	Soil		3.4	14.4	29.2	52	0.2	10.3	6.3	478	2.09	2.6	2.9	4.7	17	0.4	0.3	0.7	35	0.17	0.060	22
1894810	Soil		2.7	14.2	23.7	64	0.2	8.2	8.9	759	2.64	2.6	1.2	3.2	18	0.2	1.1	0.7	48	0.25	0.099	27
1894811	Soil		4.2	23.9	46.0	89	0.2	12.8	8.8	666	2.39	3.5	5.9	12.8	29	0.3	0.5	0.9	49	0.29	0.089	26
1894812	Soil		2.2	22.0	44.0	79	0.1	14.2	8.3	659	2.19	2.4	1.0	12.5	25	0.4	0.5	0.7	46	0.28	0.085	26
1894813	Soil		1.8	13.3	22.2	31	0.2	3.7	3.0	375	1.43	2.7	1.8	47.6	18	0.2	0.1	0.3	8	0.27	0.042	83
1894814	Soil		2.2	19.3	19.4	62	0.1	12.0	8.7	654	2.37	2.3	<0.5	9.9	26	0.2	0.3	0.4	50	0.37	0.082	28
1894815	Soil		1.4	19.6	22.5	59	0.1	9.9	7.3	636	2.04	2.5	<0.5	6.4	30	0.4	0.3	0.4	41	0.29	0.042	27
1894816	Soil		1.3	19.7	22.6	60	<0.1	9.5	7.9	673	2.28	2.7	2.5	13.4	30	0.3	0.3	0.5	48	0.38	0.074	31
1894817	Soil		1.2	19.6	26.2	67	0.1	11.7	9.9	645	2.31	2.7	0.5	11.1	41	0.4	0.3	0.4	54	0.49	0.101	24
1894818	Soil		9.6	11.6	17.8	56	0.2	3.8	7.9	458	2.98	0.8	0.8	16.1	26	0.3	0.3	0.3	20	0.39	0.082	52
1894819	Soil		1.1	17.9	18.5	53	<0.1	9.7	8.3	582	2.16	2.0	2.1	9.4	35	0.2	0.3	0.2	49	0.39	0.066	17
1894820	Soil		0.8	17.4	27.0	59	0.2	9.1	8.8	710	2.24	2.3	1.4	12.4	42	0.3	0.5	0.3	53	0.47	0.057	23
1894821	Soil		6.4	17.5	27.5	75	0.3	6.1	8.1	1195	2.90	3.6	1.4	24.9	24	0.3	0.3	0.3	35	0.29	0.090	65
1894844	Soil		2.1	45.6	8.9	100	0.2	13.2	25.3	1320	5.34	3.3	24.6	7.3	69	<0.1	<0.1	0.2	145	0.82	0.171	13
1894845	Soil		2.9	67.6	7.8	95	0.3	14.9	26.9	1455	4.66	1.7	38.1	7.1	117	0.4	<0.1	0.2	130	0.98	0.170	12
1894846	Soil		7.2	62.8	10.8	79	0.3	21.2	24.2	1089	3.79	2.2	4.7	3.9	82	0.2	0.1	0.5	88	0.89	0.125	16
1894847	Soil		10.9	55.6	8.3	90	0.4	17.8	21.9	1272	4.28	1.5	28.7	7.5	97	0.2	<0.1	2.3	107	0.93	0.176	21
1894848	Soil		0.6	27.0	7.0	65	<0.1	17.8	12.0	498	2.96	5.0	1.0	11.4	36	0.1	0.3	0.4	77	0.61	0.153	22
1894849	Soil		0.9	61.2	17.5	111	0.3	25.0	17.2	1163	3.60	5.7	5.7	12.3	79	0.2	0.3	0.5	90	0.88	0.120	30
1894850	Soil		1.5	44.3	12.8	96	0.1	39.2	17.4	789	3.55	9.8	1.8	10.1	37	0.2	0.3	0.6	93	0.43	0.115	18
1894869	Soil		0.5	26.4	5.8	57	<0.1	23.3	12.7	497	2.92	5.1	2.7	7.3	32	0.2	0.2	0.2	72	0.47	0.124	15
1894870	Soil		0.7	29.2	6.7	58	<0.1	25.5	13.2	480	2.91	5.2	<0.5	6.6	32	<0.1	0.2	0.2	66	0.39	0.117	15

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Report Date: November 08, 2019

CERTIFICATE OF ANALYSIS WHI19000681.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1894801	Soil		5	0.16	274	0.003	2	1.13	0.009	0.05	<0.1	<0.01	3.4	<0.1	<0.05	4	0.6	<0.2
1894802	Soil		11	0.39	158	0.016	2	1.05	0.010	0.07	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1894803	Soil		15	0.52	295	0.013	2	1.33	0.011	0.10	0.2	0.02	4.0	<0.1	<0.05	5	0.5	<0.2
1894804	Soil		17	0.58	104	0.026	<1	1.43	0.013	0.06	0.6	<0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
1894805	Soil		11	0.39	205	0.009	<1	1.65	0.009	0.07	0.2	0.02	2.5	0.1	<0.05	4	<0.5	<0.2
1894806	Soil		53	0.35	238	0.005	<1	1.44	0.018	0.08	<0.1	<0.01	12.2	<0.1	<0.05	4	<0.5	<0.2
1894807	Soil		21	0.46	66	0.024	<1	1.44	0.010	0.04	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1894808	Soil		16	0.47	82	0.013	<1	1.44	0.009	0.04	0.2	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1894809	Soil		16	0.52	55	0.019	<1	1.45	0.009	0.04	0.2	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
1894810	Soil		13	0.48	65	0.008	<1	1.54	0.007	0.07	0.2	0.02	2.1	<0.1	<0.05	5	0.5	<0.2
1894811	Soil		20	0.62	52	0.030	<1	1.71	0.008	0.05	0.3	0.01	3.6	<0.1	<0.05	6	<0.5	<0.2
1894812	Soil		22	0.67	53	0.029	<1	1.62	0.009	0.04	0.2	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
1894813	Soil		3	0.12	844	0.001	<1	0.60	0.006	0.10	0.2	<0.01	1.3	<0.1	<0.05	1	<0.5	<0.2
1894814	Soil		20	0.74	79	0.039	<1	1.58	0.010	0.04	0.2	0.01	3.3	<0.1	<0.05	5	0.5	<0.2
1894815	Soil		15	0.63	75	0.030	<1	1.57	0.008	0.03	0.2	<0.01	2.3	<0.1	<0.05	5	<0.5	<0.2
1894816	Soil		17	0.69	107	0.045	<1	1.68	0.010	0.04	0.2	<0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
1894817	Soil		19	0.89	54	0.086	<1	2.03	0.011	0.06	0.4	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
1894818	Soil		6	0.35	174	0.006	<1	1.35	0.005	0.10	0.3	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
1894819	Soil		16	0.83	47	0.060	1	1.70	0.012	0.05	0.4	0.03	2.9	<0.1	<0.05	6	0.5	<0.2
1894820	Soil		16	0.86	94	0.051	<1	1.91	0.011	0.05	0.3	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
1894821	Soil		8	0.42	130	0.016	<1	1.24	0.008	0.11	0.5	<0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
1894844	Soil		28	2.32	187	0.174	<1	2.99	0.017	0.30	0.3	0.01	6.9	0.2	<0.05	11	<0.5	<0.2
1894845	Soil		28	2.63	199	0.185	<1	2.81	0.023	0.29	1.3	0.01	7.9	0.3	<0.05	10	<0.5	<0.2
1894846	Soil		37	1.46	218	0.102	<1	2.48	0.022	0.12	0.4	0.04	4.1	0.2	0.06	8	0.7	<0.2
1894847	Soil		32	1.98	309	0.129	<1	2.51	0.017	0.39	1.0	0.01	6.0	0.2	<0.05	9	<0.5	0.2
1894848	Soil		34	0.98	104	0.097	<1	1.86	0.016	0.11	0.4	<0.01	4.1	0.1	<0.05	6	<0.5	<0.2
1894849	Soil		42	1.55	157	0.112	<1	3.02	0.021	0.24	0.4	<0.01	7.6	0.2	<0.05	11	<0.5	<0.2
1894850	Soil		73	1.44	98	0.102	<1	2.48	0.016	0.16	0.6	0.01	5.0	0.1	<0.05	9	<0.5	<0.2
1894869	Soil		45	1.10	104	0.110	<1	2.08	0.018	0.11	0.4	<0.01	3.2	0.1	<0.05	5	<0.5	<0.2
1894870	Soil		40	1.04	116	0.103	<1	1.99	0.018	0.10	0.3	0.01	3.2	0.1	<0.05	5	<0.5	<0.2

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Client: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: November 08, 2019

CERTIFICATE OF ANALYSIS WHI19000681.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1894871	Soil	3.6	20.7	17.9	110	0.3	16.1	23.0	1969	5.61	17.3	10.0	21.5	20	0.1	0.2	0.3	88	0.47	0.126	64
1894872	Soil	0.5	28.1	6.2	64	<0.1	21.8	14.3	593	3.21	2.9	1.7	9.0	33	<0.1	0.1	0.2	76	0.41	0.106	16
1894873	Soil	0.6	24.7	5.9	65	<0.1	16.4	13.3	633	3.03	3.1	2.2	12.7	32	0.1	0.2	0.2	74	0.46	0.111	20
1894874	Soil	0.8	16.5	43.2	72	0.1	10.5	14.6	1158	3.08	5.2	<0.5	19.1	44	0.3	0.3	0.2	55	0.48	0.098	16
1894875	Soil	0.8	56.7	23.8	77	1.1	40.2	23.0	2079	3.90	5.2	5.3	7.7	43	1.0	0.3	0.3	79	0.78	0.179	40
1894876	Soil	0.8	16.7	19.5	67	0.3	14.3	11.7	855	2.98	9.3	1.7	7.7	22	0.1	0.3	0.2	64	0.24	0.074	20
1894877	Soil	1.1	21.0	21.2	77	0.2	16.7	17.4	1665	4.00	11.5	7.9	4.5	35	0.3	0.4	0.3	78	0.32	0.142	21
1894878	Soil	0.8	24.2	14.9	85	<0.1	15.5	14.5	992	3.71	6.2	1.7	13.5	21	0.2	0.2	0.2	78	0.28	0.093	21
1894879	Soil	0.8	13.2	38.4	71	0.1	9.4	14.1	1469	4.43	6.3	3.3	45.1	20	<0.1	0.2	0.2	55	0.23	0.044	37
1894880	Soil	1.5	26.0	17.4	85	<0.1	17.6	13.3	837	3.42	8.6	3.1	8.8	21	0.1	0.3	0.2	79	0.26	0.072	16
1894881	Soil	1.2	19.5	37.8	72	<0.1	14.1	13.3	1114	3.56	8.7	2.7	8.6	18	0.1	0.3	0.2	73	0.19	0.059	14
1894882	Soil	1.1	28.4	16.7	73	0.1	15.1	12.8	757	3.15	10.2	1.0	7.3	26	0.1	0.4	0.2	78	0.34	0.076	17
1894883	Soil	1.3	22.5	14.6	70	0.4	15.0	12.2	767	3.30	10.4	390.9	5.8	31	0.2	0.4	0.2	77	0.35	0.067	34
1894884	Soil	2.3	19.6	25.1	81	0.2	10.6	11.5	1037	3.40	5.1	1.9	3.7	22	0.2	0.3	0.2	64	0.19	0.099	19
1894885	Soil	3.0	17.1	20.5	84	<0.1	6.8	8.3	1071	3.39	5.9	1.0	9.3	22	0.3	0.3	0.2	42	0.24	0.056	21
1894886	Soil	1.6	26.6	27.8	86	<0.1	13.9	13.5	954	3.21	4.2	0.7	6.1	37	0.2	0.4	0.5	71	0.32	0.060	20
1894887	Soil	4.5	28.9	16.5	80	<0.1	20.5	18.7	1055	4.53	2.6	0.7	8.2	21	0.3	0.2	0.2	76	0.28	0.112	20
1894888	Soil	12.5	42.6	14.5	88	0.3	19.2	25.7	1292	4.44	2.6	1.5	18.5	44	0.5	0.5	0.2	79	1.26	0.130	41

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Client: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: November 08, 2019

CERTIFICATE OF ANALYSIS WHI19000681.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1894871	Soil	17	0.68	362	0.001	<1	1.64	0.007	0.16	0.2	0.02	11.0	0.1	<0.05	6	<0.5	<0.2
1894872	Soil	40	1.29	102	0.129	<1	2.26	0.017	0.17	0.5	0.01	3.1	0.1	<0.05	7	<0.5	<0.2
1894873	Soil	27	1.16	112	0.122	<1	1.98	0.017	0.16	0.2	<0.01	3.6	0.2	<0.05	6	<0.5	<0.2
1894874	Soil	20	1.29	76	0.005	<1	2.61	0.008	0.10	0.2	0.02	4.6	<0.1	<0.05	10	<0.5	<0.2
1894875	Soil	65	1.70	293	0.015	<1	3.19	0.012	0.15	0.2	0.06	9.0	0.1	0.09	8	<0.5	<0.2
1894876	Soil	22	1.08	119	0.035	<1	2.40	0.014	0.06	0.1	0.02	3.0	0.1	<0.05	7	<0.5	<0.2
1894877	Soil	25	1.24	112	0.030	2	2.87	0.012	0.06	0.2	0.03	3.7	0.1	0.06	8	<0.5	<0.2
1894878	Soil	24	1.33	100	0.040	2	3.05	0.010	0.09	0.2	0.01	5.7	0.1	<0.05	8	0.6	<0.2
1894879	Soil	14	0.85	200	0.002	2	2.39	0.008	0.07	<0.1	0.02	5.8	<0.1	<0.05	6	<0.5	<0.2
1894880	Soil	31	1.18	94	0.052	2	2.43	0.010	0.05	0.2	0.02	5.1	<0.1	<0.05	7	0.8	<0.2
1894881	Soil	24	1.27	65	0.040	<1	2.49	0.010	0.06	0.2	0.02	4.5	<0.1	<0.05	8	<0.5	<0.2
1894882	Soil	25	1.04	99	0.074	<1	2.32	0.012	0.05	0.3	0.02	4.9	<0.1	<0.05	7	0.9	<0.2
1894883	Soil	26	1.13	75	0.074	<1	2.23	0.011	0.05	0.3	0.03	4.6	<0.1	<0.05	8	0.7	<0.2
1894884	Soil	18	0.83	92	0.016	<1	2.60	0.009	0.06	0.2	0.05	2.7	<0.1	<0.05	8	<0.5	<0.2
1894885	Soil	11	0.59	193	0.034	<1	1.97	0.011	0.06	0.3	0.01	5.5	<0.1	<0.05	5	<0.5	<0.2
1894886	Soil	24	1.19	93	0.031	1	2.64	0.011	0.06	0.3	0.02	3.8	0.1	<0.05	8	<0.5	<0.2
1894887	Soil	22	0.68	65	0.013	<1	2.17	0.008	0.04	<0.1	0.01	6.6	<0.1	<0.05	6	<0.5	<0.2
1894888	Soil	20	0.91	117	0.003	<1	1.71	0.008	0.09	<0.1	<0.01	11.3	<0.1	<0.05	6	0.9	<0.2

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Client: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE

Report Date: November 08, 2019

QUALITY CONTROL REPORT WHI19000681.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1894809	Soil	3.4	14.4	29.2	52	0.2	10.3	6.3	478	2.09	2.6	2.9	4.7	17	0.4	0.3	0.7	35	0.17	0.060	22
REP 1894809	QC	3.7	14.2	30.1	56	0.2	10.5	6.7	493	2.17	2.6	<0.5	5.0	18	0.3	0.3	0.7	37	0.19	0.069	23
1894885	Soil	3.0	17.1	20.5	84	<0.1	6.8	8.3	1071	3.39	5.9	1.0	9.3	22	0.3	0.3	0.2	42	0.24	0.056	21
REP 1894885	QC	2.9	17.6	20.8	87	<0.1	6.5	8.6	1011	3.43	5.6	1.2	10.0	22	0.3	0.2	0.2	40	0.23	0.060	21
Reference Materials																					
STD BVGEO01	Standard	11.0	4708.7	196.5	1748	2.4	154.4	23.5	678	3.66	107.8	204.1	17.3	53	5.9	3.5	23.0	72	1.29	0.067	24
STD DS11	Standard	15.9	152.3	143.7	343	1.8	79.5	14.9	1023	3.11	43.4	117.7	9.2	74	2.7	8.8	11.8	57	1.16	0.078	21
STD OREAS262	Standard	0.7	114.7	59.4	151	0.5	66.3	28.7	551	3.37	35.8	75.1	10.0	36	0.6	5.4	1.0	25	3.05	0.038	18
STD OREAS262	Standard	0.6	132.0	58.3	158	0.5	64.4	27.2	555	3.33	37.1	74.4	10.5	37	0.6	5.4	1.0	26	3.06	0.039	20
STD BVGEO01 Expected		11.2	4415	187	1741	2.53	163	25	733	3.7	121	219	14.4	55	6.5	3.39	25.6	73	1.3219	0.0727	25.9
STD DS11 Expected		14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
STD OREAS262 Expected		0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04	15.9
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	4	<0.01	<0.001	<1
BLK	Blank	<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.001	<1

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Project: PIKE
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QUALITY CONTROL REPORT WHI19000681.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1894809	Soil	16	0.52	55	0.019	<1	1.45	0.009	0.04	0.2	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
REP 1894809	QC	17	0.51	56	0.022	<1	1.52	0.009	0.05	0.2	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
1894885	Soil	11	0.59	193	0.034	<1	1.97	0.011	0.06	0.3	0.01	5.5	<0.1	<0.05	5	<0.5	<0.2
REP 1894885	QC	11	0.65	192	0.034	<1	2.13	0.011	0.06	0.3	0.02	5.6	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																	
STD BVGEO01	Standard	196	1.31	296	0.208	4	2.25	0.191	0.81	5.0	0.10	6.7	0.6	0.63	7	4.2	0.8
STD DS11	Standard	61	0.89	372	0.100	7	1.29	0.086	0.43	3.2	0.26	3.8	5.0	0.28	5	2.2	5.0
STD OREAS262	Standard	47	1.12	258	0.003	5	1.36	0.067	0.34	0.3	0.17	3.4	0.5	0.24	4	<0.5	0.3
STD OREAS262	Standard	47	1.14	266	0.004	5	1.38	0.068	0.35	0.3	0.15	3.4	0.5	0.26	4	0.7	0.2
STD BVGEO01 Expected		187	1.2963	260	0.233	3.8	2.347	0.1924	0.89	5.3	0.1	5.97	0.62	0.6655	7.37	4.84	1.02
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56
STD OREAS262 Expected		41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	0.17	3.24	0.47	0.253	3.73	0.4	0.23
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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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: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Submitted By: Ryan Burke
Receiving Lab: Canada-Whitehorse
Received: October 16, 2019
Report Date: November 08, 2019
Page: 1 of 3

CERTIFICATE OF ANALYSIS WHI19000683.1

CLIENT JOB INFORMATION

Project: WARDEN
Shipment ID:
P.O. Number
Number of Samples: 40

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
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	40	Dry at 60C			WHI
SS80	40	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	40	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	40	Per sample shipping charges for branch shipments			VAN
SLBHP	0	Sort, label and box pulps			WHI
SVRJT	40	Save all or part of Soil Reject			WHI

ADDITIONAL COMMENTS

Invoice To: Ryan Burke
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3
Canada

CC:

KERRY JAY
Geochem Project Specialist

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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: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: WARDEN
Report Date: November 08, 2019

CERTIFICATE OF ANALYSIS WHI19000683.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1894822	Soil		0.3	27.2	10.7	82	<0.1	25.5	16.4	710	3.83	1.8	1.1	8.4	40	0.2	0.1	<0.1	97	0.55	0.126	19
1894823	Soil		0.5	22.9	7.4	74	<0.1	20.2	14.9	698	3.93	2.5	3.0	5.8	28	<0.1	0.1	0.1	93	0.37	0.120	15
1894824	Soil		0.4	24.3	5.9	70	<0.1	19.0	13.2	521	3.29	1.9	0.5	8.7	29	<0.1	0.1	<0.1	86	0.51	0.145	19
1894825	Soil		0.5	20.0	9.0	69	<0.1	25.2	14.3	607	3.29	3.2	1.0	11.3	26	<0.1	0.2	0.1	76	0.36	0.106	21
1894826	Soil		0.6	16.4	8.0	62	<0.1	26.0	11.9	509	3.00	3.5	1.5	13.2	29	<0.1	0.2	0.1	63	0.36	0.081	26
1894827	Soil		0.2	13.8	6.5	68	<0.1	24.4	12.5	496	2.72	1.8	2.4	10.9	31	0.1	0.1	0.1	54	0.38	0.087	25
1894828	Soil		0.5	16.2	7.0	54	<0.1	28.7	14.2	445	3.00	1.7	2.3	10.9	21	<0.1	<0.1	0.1	64	0.27	0.089	18
1894829	Soil		0.6	17.9	10.1	65	<0.1	21.6	11.7	513	3.00	2.8	1.4	11.4	31	<0.1	0.2	0.1	72	0.36	0.085	20
1894830	Soil		0.5	17.5	8.1	63	<0.1	20.9	11.2	496	2.94	2.5	10.7	14.6	28	0.2	0.1	0.1	70	0.40	0.102	22
1894831	Soil		0.6	18.0	9.8	71	<0.1	19.9	11.5	684	3.35	2.4	9.7	15.6	27	<0.1	0.1	0.2	76	0.31	0.099	24
1894832	Soil		0.7	24.4	17.9	75	<0.1	26.3	12.9	677	3.57	3.2	2.1	17.9	17	0.1	0.2	0.2	90	0.24	0.086	23
1894833	Soil		0.5	21.4	13.0	69	<0.1	21.3	11.5	573	3.05	3.1	1.6	14.6	25	0.1	0.2	0.2	78	0.38	0.108	24
1894834	Soil		0.5	20.3	10.2	74	<0.1	22.3	11.6	601	3.15	3.7	1.9	18.2	25	0.2	0.2	0.1	73	0.37	0.104	24
1894835	Soil		0.6	18.8	8.1	66	<0.1	19.3	11.0	515	2.97	2.6	4.6	12.9	25	0.1	0.1	0.1	84	0.37	0.112	19
1894836	Soil		0.5	28.3	8.7	74	<0.1	21.9	15.1	693	3.69	2.9	1.3	9.7	24	<0.1	0.1	0.1	100	0.39	0.140	19
1894837	Soil		0.3	18.0	5.2	59	<0.1	16.3	11.6	499	3.35	1.8	<0.5	7.3	25	0.1	0.1	<0.1	89	0.39	0.114	15
1894838	Soil		0.2	6.8	3.6	38	<0.1	10.7	6.6	273	2.09	0.7	3.2	16.7	28	<0.1	<0.1	<0.1	58	0.54	0.131	23
1894839	Soil		0.2	20.0	6.5	64	<0.1	14.3	11.2	546	3.38	1.6	<0.5	11.0	26	<0.1	<0.1	<0.1	84	0.39	0.103	19
1894840	Soil		0.5	18.7	9.8	72	<0.1	19.6	10.4	618	3.14	3.1	7.1	18.1	24	0.1	0.1	0.1	73	0.28	0.100	23
1894841	Soil		0.6	20.1	15.6	74	<0.1	20.8	11.6	674	3.16	2.8	10.3	14.0	22	0.1	0.1	0.2	74	0.27	0.099	26
1894842	Soil		0.6	18.1	11.6	73	<0.1	20.6	11.6	588	3.23	2.7	0.9	11.9	28	0.1	0.1	0.2	76	0.27	0.091	21
1894843	Soil		1.1	30.0	19.6	72	0.2	22.7	21.8	1691	3.72	3.1	1.0	6.9	44	0.1	0.1	0.3	92	0.31	0.139	20
1894851	Soil		0.4	27.8	7.1	68	<0.1	28.2	17.4	589	3.80	2.2	8.9	9.3	38	<0.1	<0.1	<0.1	96	0.54	0.145	19
1894852	Soil		0.4	25.6	5.3	74	<0.1	27.7	16.7	586	3.89	1.8	<0.5	7.3	33	<0.1	<0.1	<0.1	100	0.49	0.135	15
1894853	Soil		0.5	67.0	5.3	67	<0.1	23.2	17.9	596	3.73	1.9	<0.5	4.6	39	0.1	0.1	0.1	79	0.51	0.168	15
1894854	Soil		0.7	38.9	7.2	70	<0.1	26.5	15.0	559	3.39	3.3	4.7	6.2	28	<0.1	0.2	0.2	78	0.43	0.132	17
1894855	Soil		0.4	17.2	7.7	68	<0.1	34.2	15.1	570	3.20	2.7	<0.5	12.4	29	0.1	0.1	0.2	59	0.33	0.091	16
1894856	Soil		0.2	15.3	16.1	58	<0.1	19.6	10.5	516	2.66	1.0	<0.5	10.8	29	0.1	<0.1	0.2	47	0.34	0.095	23
1894857	Soil		0.4	21.3	9.4	71	<0.1	23.5	12.8	665	2.89	1.5	0.7	10.5	38	<0.1	0.1	0.2	57	0.46	0.110	26
1894858	Soil		0.4	15.1	8.7	55	<0.1	21.4	10.6	466	2.60	2.1	<0.5	9.4	18	<0.1	0.1	0.1	53	0.25	0.085	22

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Client: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: WARDEN
Report Date: November 08, 2019

CERTIFICATE OF ANALYSIS WHI19000683.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1894822	Soil		51	1.36	272	0.227	<1	2.32	0.024	0.21	0.2	0.01	4.4	0.2	<0.05	8	<0.5	<0.2
1894823	Soil		49	1.14	223	0.162	<1	2.17	0.019	0.16	0.2	0.02	3.6	0.2	<0.05	7	0.6	<0.2
1894824	Soil		48	1.03	219	0.168	<1	1.69	0.016	0.25	0.1	<0.01	3.7	0.2	<0.05	6	<0.5	<0.2
1894825	Soil		57	1.04	155	0.139	<1	2.02	0.018	0.12	0.1	0.02	3.2	0.2	<0.05	7	<0.5	<0.2
1894826	Soil		68	0.88	161	0.123	<1	1.70	0.016	0.10	0.1	<0.01	3.8	0.2	<0.05	5	<0.5	<0.2
1894827	Soil		67	0.99	191	0.123	<1	1.51	0.017	0.13	0.1	<0.01	3.1	0.2	<0.05	5	<0.5	<0.2
1894828	Soil		84	1.00	122	0.108	<1	1.61	0.014	0.10	<0.1	0.03	2.6	0.2	<0.05	6	<0.5	<0.2
1894829	Soil		47	0.92	155	0.135	1	1.94	0.017	0.10	0.2	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
1894830	Soil		44	0.88	178	0.131	<1	1.74	0.014	0.14	0.2	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1894831	Soil		42	0.98	157	0.143	<1	1.79	0.016	0.17	0.1	0.02	3.3	0.2	<0.05	6	<0.5	<0.2
1894832	Soil		50	1.03	206	0.150	1	2.43	0.015	0.21	0.1	<0.01	4.4	0.3	<0.05	8	<0.5	<0.2
1894833	Soil		46	0.94	185	0.149	<1	2.16	0.019	0.16	0.1	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
1894834	Soil		41	0.88	177	0.143	1	2.10	0.016	0.14	0.2	0.01	4.1	0.2	<0.05	7	<0.5	<0.2
1894835	Soil		39	0.93	142	0.149	<1	1.97	0.018	0.14	0.1	<0.01	3.1	0.2	<0.05	6	<0.5	<0.2
1894836	Soil		47	1.13	212	0.176	<1	2.74	0.017	0.20	<0.1	0.01	4.0	0.2	<0.05	8	<0.5	<0.2
1894837	Soil		34	0.90	189	0.172	1	1.69	0.014	0.20	<0.1	<0.01	2.6	0.2	<0.05	6	<0.5	<0.2
1894838	Soil		28	0.52	84	0.100	<1	0.93	0.015	0.13	0.1	<0.01	2.4	0.1	<0.05	3	<0.5	<0.2
1894839	Soil		30	0.83	207	0.181	1	1.80	0.018	0.20	0.1	<0.01	3.6	0.2	<0.05	7	<0.5	<0.2
1894840	Soil		35	0.88	201	0.146	1	2.21	0.016	0.17	0.2	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
1894841	Soil		43	0.92	177	0.132	<1	2.48	0.016	0.15	0.1	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
1894842	Soil		44	0.87	171	0.117	<1	2.13	0.017	0.13	0.1	0.02	3.1	0.2	<0.05	7	<0.5	<0.2
1894843	Soil		41	1.11	296	0.122	1	3.29	0.018	0.15	0.2	0.05	4.3	0.3	0.12	10	<0.5	<0.2
1894851	Soil		67	1.32	185	0.194	<1	2.33	0.022	0.18	0.2	<0.01	4.9	0.2	<0.05	8	<0.5	<0.2
1894852	Soil		77	1.27	212	0.191	1	2.04	0.021	0.22	0.1	<0.01	3.4	0.2	<0.05	7	<0.5	<0.2
1894853	Soil		61	1.21	167	0.146	<1	1.69	0.012	0.17	0.1	<0.01	3.4	0.1	<0.05	6	<0.5	<0.2
1894854	Soil		54	1.11	197	0.155	2	1.99	0.014	0.18	0.2	0.01	3.2	0.2	<0.05	7	0.7	<0.2
1894855	Soil		76	1.27	152	0.116	<1	1.82	0.011	0.13	0.2	<0.01	2.6	0.2	<0.05	6	<0.5	<0.2
1894856	Soil		44	0.86	164	0.108	<1	1.45	0.010	0.14	0.1	<0.01	2.6	0.1	<0.05	5	<0.5	<0.2
1894857	Soil		46	1.03	220	0.136	<1	1.93	0.012	0.17	0.1	<0.01	3.7	0.2	<0.05	6	<0.5	<0.2
1894858	Soil		54	0.74	138	0.100	<1	1.69	0.010	0.09	0.2	0.01	2.5	0.1	<0.05	5	<0.5	<0.2

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Client: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: WARDEN
Report Date: November 08, 2019

CERTIFICATE OF ANALYSIS WHI19000683.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1894859	Soil	1.1	28.2	18.1	86	<0.1	31.4	17.8	1109	3.96	4.4	<0.5	5.3	21	<0.1	0.3	0.3	89	0.19	0.117	19
1894860	Soil	0.4	14.9	6.9	56	<0.1	19.9	10.1	445	2.71	2.1	<0.5	9.7	21	0.1	0.1	0.1	52	0.30	0.099	22
1894861	Soil	0.3	15.6	6.3	59	<0.1	18.3	11.1	452	2.79	1.4	1.0	10.0	35	0.2	<0.1	<0.1	61	0.41	0.110	18
1894862	Soil	0.2	24.8	5.4	71	<0.1	17.8	12.6	506	3.06	1.3	<0.5	6.7	40	<0.1	<0.1	<0.1	73	0.49	0.142	17
1894863	Soil	0.3	16.6	4.2	58	<0.1	16.0	11.6	444	3.06	1.0	<0.5	4.6	24	<0.1	<0.1	<0.1	74	0.41	0.139	15
1894864	Soil	0.3	21.9	5.9	59	<0.1	16.4	11.4	494	3.00	1.3	0.9	8.8	50	<0.1	<0.1	0.2	78	0.55	0.152	20
1894865	Soil	0.4	22.9	9.5	70	<0.1	20.0	12.5	613	3.28	2.2	1.0	10.5	29	<0.1	0.1	0.1	75	0.27	0.109	21
1894866	Soil	0.5	17.2	10.4	68	<0.1	19.3	11.2	593	3.02	2.5	<0.5	9.2	20	0.1	0.1	0.2	65	0.25	0.096	20
1894867	Soil	0.5	17.4	9.0	63	<0.1	18.6	9.9	531	2.78	2.2	<0.5	13.7	21	<0.1	0.1	0.1	62	0.29	0.112	23
1894868	Soil	0.5	21.6	10.4	68	0.1	20.9	12.1	623	3.00	2.4	10.1	12.5	20	<0.1	0.1	0.1	64	0.28	0.102	22

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1894859	Soil	55	1.06	177	0.110	2	2.98	0.012	0.13	0.2	0.03	3.5	0.3	<0.05	10	1.1	<0.2
1894860	Soil	45	0.77	136	0.110	1	1.53	0.011	0.10	0.1	0.01	2.6	0.1	<0.05	5	<0.5	<0.2
1894861	Soil	37	0.91	154	0.126	<1	1.57	0.011	0.15	0.1	<0.01	2.9	0.2	<0.05	5	<0.5	<0.2
1894862	Soil	35	1.06	204	0.178	<1	1.73	0.012	0.26	0.1	<0.01	2.9	0.2	<0.05	6	<0.5	<0.2
1894863	Soil	35	0.95	211	0.165	<1	1.64	0.011	0.24	<0.1	<0.01	2.3	0.2	<0.05	5	<0.5	<0.2
1894864	Soil	27	1.01	227	0.188	<1	1.95	0.015	0.27	0.1	<0.01	3.3	0.2	<0.05	6	<0.5	<0.2
1894865	Soil	33	0.91	259	0.171	<1	2.66	0.010	0.18	0.2	<0.01	3.6	0.2	<0.05	8	<0.5	<0.2
1894866	Soil	34	0.82	146	0.130	<1	2.10	0.010	0.15	0.1	<0.01	2.9	0.2	<0.05	7	<0.5	<0.2
1894867	Soil	31	0.80	191	0.125	<1	1.99	0.010	0.14	0.2	0.01	2.9	0.2	<0.05	6	<0.5	<0.2
1894868	Soil	37	0.91	181	0.139	<1	2.19	0.010	0.17	0.2	0.01	3.4	0.2	<0.05	7	<0.5	<0.2

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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: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: WARDEN
Report Date: November 08, 2019

QUALITY CONTROL REPORT WHI19000683.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1894856	Soil	0.2	15.3	16.1	58	<0.1	19.6	10.5	516	2.66	1.0	<0.5	10.8	29	0.1	<0.1	0.2	47	0.34	0.095	23
REP 1894856	QC	0.3	14.9	16.3	59	<0.1	20.0	11.2	511	2.71	1.1	64.8	10.7	29	0.1	<0.1	0.2	51	0.35	0.099	23
Reference Materials																					
STD BVGEO01	Standard	11.0	4708.7	196.5	1748	2.4	154.4	23.5	678	3.66	107.8	204.1	17.3	53	5.9	3.5	23.0	72	1.29	0.067	24
STD DS11	Standard	14.1	157.5	138.0	339	1.7	78.3	13.5	979	3.15	42.5	80.7	7.6	66	2.3	8.9	12.3	46	1.00	0.066	17
STD DS11	Standard	14.4	143.9	130.5	321	1.7	75.8	13.1	971	2.97	39.7	75.7	7.2	66	2.1	8.7	11.4	46	0.97	0.063	17
STD OREAS262	Standard	0.7	114.7	59.4	151	0.5	66.3	28.7	551	3.37	35.8	75.1	10.0	36	0.6	5.4	1.0	25	3.05	0.038	18
STD OREAS262	Standard	0.7	123.2	58.4	157	0.5	65.4	29.0	559	3.48	37.3	66.0	9.5	38	0.6	6.3	1.1	21	3.11	0.039	15
STD OREAS262	Standard	0.7	116.5	53.3	145	0.5	62.2	26.3	513	3.15	31.9	70.0	8.7	35	0.5	6.2	0.9	19	2.77	0.036	16
STD BVGEO01 Expected		11.2	4415	187	1741	2.53	163	25	733	3.7	121	219	14.4	55	6.5	3.39	25.6	73	1.3219	0.0727	25.9
STD DS11 Expected		14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
STD OREAS262 Expected		0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04	15.9
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	4	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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PHONE (604) 253-3158

Client: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: WARDEN
Report Date: November 08, 2019

QUALITY CONTROL REPORT WHI19000683.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1894856	Soil		44	0.86	164	0.108	<1	1.45	0.010	0.14	0.1	<0.01	2.6	0.1	<0.05	5	<0.5	<0.2
REP 1894856	QC		45	0.89	165	0.107	<1	1.41	0.010	0.13	0.1	<0.01	2.5	0.2	<0.05	5	<0.5	<0.2
Reference Materials																		
STD BVGEO01	Standard		196	1.31	296	0.208	4	2.25	0.191	0.81	5.0	0.10	6.7	0.6	0.63	7	4.2	0.8
STD DS11	Standard		55	0.78	337	0.085	5	1.11	0.064	0.40	3.2	0.26	2.8	4.9	0.24	5	2.5	4.7
STD DS11	Standard		56	0.80	347	0.084	5	1.11	0.066	0.37	2.7	0.25	2.9	4.6	0.29	5	2.2	4.9
STD OREAS262	Standard		47	1.12	258	0.003	5	1.36	0.067	0.34	0.3	0.17	3.4	0.5	0.24	4	<0.5	0.3
STD OREAS262	Standard		42	1.15	250	0.003	3	1.26	0.064	0.29	0.3	0.19	3.1	0.5	0.26	4	0.6	0.3
STD OREAS262	Standard		42	1.14	234	0.003	3	1.24	0.064	0.29	0.2	0.15	3.1	0.4	0.32	4	0.6	<0.2
STD BVGEO01 Expected			187	1.2963	260	0.233	3.8	2.347	0.1924	0.89	5.3	0.1	5.97	0.62	0.6655	7.37	4.84	1.02
STD DS11 Expected			61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56
STD OREAS262 Expected			41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	0.17	3.24	0.47	0.253	3.73	0.4	0.23
BLK	Blank		<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank		<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank		<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Invoice 5432261
2019-09-10

Horizon Helicopters
20 Electra Crescent
Whitehorse, YT Y1A 0M7
Canada
Phone (867) 633-6044
cole@horizonhelicopters.ca

Sold to
Ryan Burke

Attn: ryburke8@gmail.com

Job name YXY- Camp

Comments *Note: Rate includes fuel.
Fuel from original flight report removed.

Quantity	Unit Price	Description	Amount
0.9 Hours	$1,340.00	C-GHZN (AS350SD) Flight Report #61881 on 2019-08-31	$1,206.00
0.8 Hours	$1,340.00	C-GHZN (AS350SD) Flight Report #62550 on 2019-09-08	$1,072.00
		Subtotal	**$2,278.00**
		Pre Tax	**$2,278.00**
		Tax (5%)	**$113.90**
		PAY THIS AMOUNT	**$2,391.90**

Payment due within 30 days of invoice date. GST # 881858716 RT0001 Interest will be charged on overdue accounts at a rate of 2% per Month (24% per Annum) *Confidential Contract

Daily Flight Report 61881
2019-08-31

Horizon Helicopters
20 Electra Crescent
Whitehorse, YT Y1A 0M7
Canada
Phone (867) 633-6044
cole@horizonhelicopters.ca

Sold To:
Ryan Burke

Attn: ryburke8@gmail.com

Client	Ryan Burke
Job Name	YXY-Camp
Aircraft Ident	C-GHZN
TDG	no

Flight Details
Ryan Burke

Crew
PIC: Nick Falloon

Passengers: 2

Unsigned

Leg Description	Up Time	Down Time	Total
Leg #1 YXY to Camp -	0745	0814	0.5
Leg #2 Camp to YXY -	0820	0845	0.4
Billable Flight Report Hours		**Total**	0.9

*Thank you and we look forward to flying with you again.

Daily Flight Report 62550
2019-09-08

Horizon Helicopters
20 Electra Crescent
Whitehorse, YT Y1A 0M7
Canada
Phone (867) 633-6044
cole@horizonhelicopters.ca

Sold To:
Ryan Burke

Attn:

Client	Ryan Burke
Job Name	YXY-Camp
Aircraft Ident	C-GHZN
TDG	no

Flight Details
Ryan Burke

Crew
PIC: Nick Falloon

Passengers: 2

Unsigned

Leg Description	Up Time	Down Time	Total
Leg #1 YXY to Camp -	0938	1002	0.4
Leg #2 Camp to YXY -	1013	1038	0.4
Billable Flight Report Hours		**Total**	0.8

*Thank you and we look forward to flying with you again.

Gmail **Ryan Burke <ryburke8@gmail.com>**

Receipt from Horizon Helicopters Ltd.

1 message

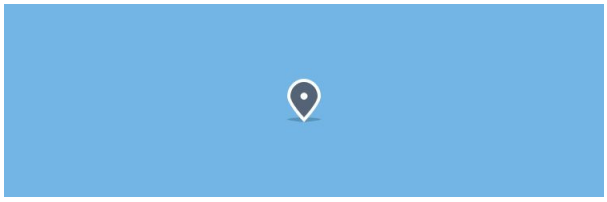
Horizon Helicopters Ltd. via Square <receipts@messaging.squareup.com> Tue, Sep 10, 2019 at 3:51 PM
Reply-To: "Horizon Helicopters Ltd. via Square"
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To: ryburke8@gmail.com

Horizon Helicopters Ltd.

How was your experience?

$2,391.90

Custom Amount	$2,391.90
Total	**$2,391.90**



Visa 9024 (Keyed) 10/09/2019, 15:50
VISA #mMnC
Auth code: 484933

GST/HST: 881858716RT0001

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