

ASSESSMENT REPORT

describing

ROCK AND TILL GEOCHEMICAL SAMPLING, DRONE SURVEYING & GROUND MAGNETIC SURVEYING

performed between August 20th – September 6th, 2020

on the

WARDEN AND PIKE PROPERTIES

WARDEN	1-4	YE96672-YE96675
WARDEN	5-13	YE96905-YE96913
PIKE	1-7	YE96665-YE96671
PIKE	8-9	YE96676-YE796677
PIKE	10-22	YE96892-YE96904
PIKE	23-26	YE96914-YE96917

Mapsheet 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 2021

CONTENTS

	<u>PAGE</u>
INTRODUCTION	1
PROPERTY LOCATION, CLAIM DATA AND ACCESS	1
GEOMORPHOLOGY	4
REGIONAL GEOLOGY	4
EXPLORATION HISTORY & REGIONAL DEPOSITS	7
WARDEN PROPERTY GEOLOGY & MINERALIZATION	9
PIKE PROPERTY GEOLOGY & MINERALIZATION	14
PIKE TILL GEOCHEMISTRY	26
DISCUSSION & CONCLUSIONS	36
WORK RECOMMENDATIONS	37
REFERENCES	38

APPENDICES

I	STATEMENT OF QUALIFICATIONS
II	STATEMENT OF EXPENDITURES
III	GEOCHEMICAL SAMPLE HANDLING AND ANALYTICAL PROCEDURES
IV	GEOPHYSICAL SURVEY METHODOLOGY & RESULTS
V	DRONE SURVEY METHODOLOGY & RESULTS
VI	CERTIFICATES OF ANALYSIS

FIGURES

<u>No.</u>	<u>Description</u>	<u>PAGE</u>
1	Regional Location of the Warden and Pike Properties	2
2	Existing Road Access near the Warden and Pike Claims	3
3	Regional Geology and Regional Claimholders	6
4	Warden Property Geology and Showings	11
5	2020 Warden Rock Sample Locations	12
6	2020 Warden Anomalous Rock Samples	13
7	Pike Property Rock Sample Highlights and Labelled Showings	16
8	Pike Property 2020 Rock Sample Locations	20
9	Pike Rock Geochemistry - Gold	21
10	Pike Rock Geochemistry - Silver	22
11	Pike Rock Geochemistry - Copper	23
12	Pike Rock Geochemistry - Lead	24
13	Pike Rock Geochemistry - Arsenic	25
14	Pike Property 2020 Till Sample Locations	27
15	Pike Till Geochemistry - Gold	28
16	Pike Till Geochemistry - Silver	29
17	Pike Till Geochemistry - Lead	30
18	Pike Till Geochemistry - Copper	31
19	Pike Till Geochemistry - Molybdenum	32
20	Pike Till Geochemistry - Antimony	33
21	Pike Till Geochemistry - Bismuth	34

22	Pike Till Geochemistry - Arsenic	35
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PHOTOS

<u>No.</u>	<u>Description</u>	<u>PAGE</u>
1	Photographs of mineralization at the Pike Property (1)	17
2	Photographs of mineralization at the Pike Property (2)	18

TABLES

<u>No.</u>	<u>Description</u>	<u>Page</u>
I	Claim Information - Warden and Pike Properties	1
II	Silver Train Anomalous Rock Results	15

INTRODUCTION

The Warden and Pike properties, located in southwestern Yukon, Canada, cover occurrences of intermediate to high-sulfidation polymetallic Au-Ag-Cu-Mo ± Pb-Ag quartz veins. Extensive propylitic alteration within granodiorite and the presence of quartz-carbonate, rhyolite, and intrusive breccias on the Pike property suggest potential for buried porphyry mineralization.

This report describes the results of a grassroots exploration program conducted by Ryan Burke, Charlie Pike and Michael Hunter between August 20th and September 6th, 2020.

The author supervised the program and interpreted all data in this report. A Statement of Qualifications appears in Appendix I. A Statement of Expenditures appears in Appendix II.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The claims are located 70 km south southwest of the Yukon's capital city of Whitehorse and 27 km west of the community of Carcross. The claims are located at latitude 60°5'N and longitude 135°23'W on mapsheet NTS 105D/03 (Figure 1).

The Warden and Pike properties are 2.4 km apart. The Warden property consists of 13 contiguous mineral claims covering approximately 290 hectares. The Pike property consists of 26 contiguous mineral claims covering approximately 550 hectares (Figure 2).

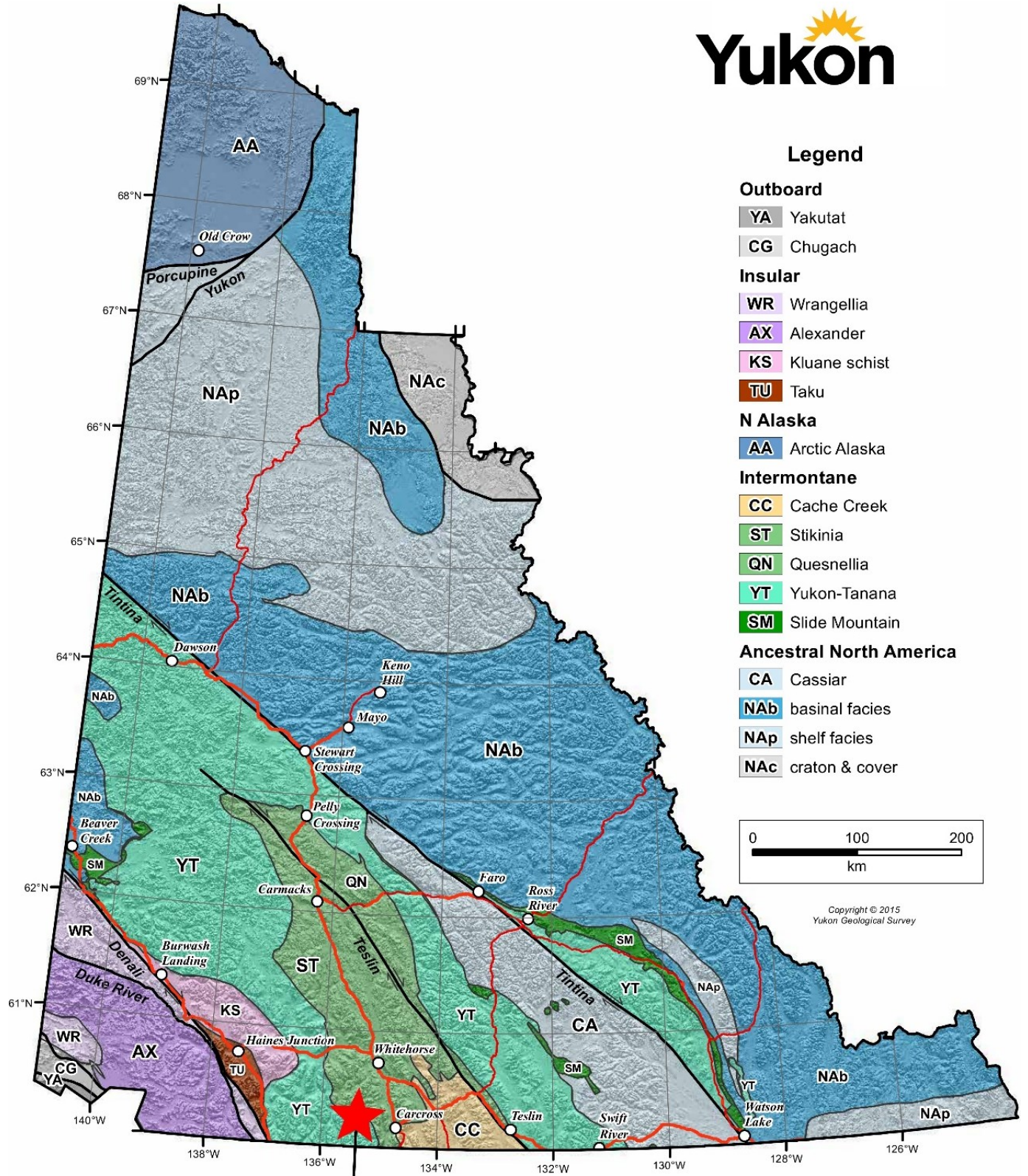
Access to and from the claims is directly from Whitehorse via helicopter. A helicopter staging area lies 13 km north of the property on the Annie Lake road. The staging area is a 70-km drive from Whitehorse via truck and can be used to mobilize additional equipment/personnel to the claim block.

Fieldwork in 2020 was completed from a tent camp located on the southern portion of the PIKE 21 claim.

The claims are registered in the Whitehorse Mining Recorder in the name of Ryan Burke. Specifics regarding claim registration and status are tabulated below:

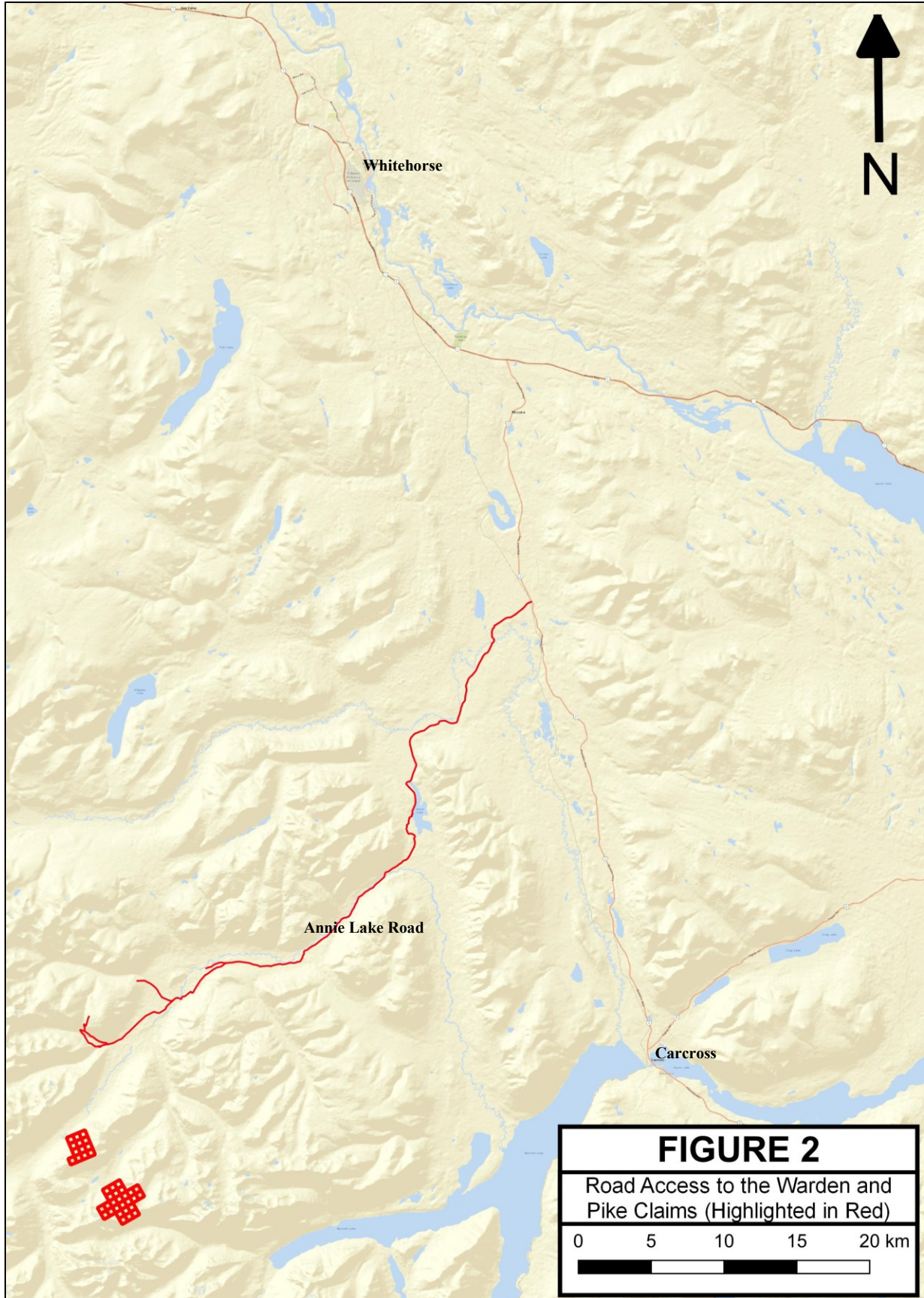
Table 1: Claim Registration Information

Grant #	Claim Name	Claim Number	Owner	Expiry Date
YE96665-YE96671	PIKE	1-7	Ryan Burke - 100%	2026-09-09
YE96676-YE96677	PIKE	8-9	Ryan Burke - 100%	2026-09-09
YE96892-YE96904	PIKE	10-22	Ryan Burke - 100%	2026-07-06
YE96914-YE96917	PIKE	23-26	Ryan Burke - 100%	2026-09-01
YE96672-YE96675	WARDEN	1-4	Ryan Burke - 100%	2026-09-10
YE96905-YE96913	WARDEN	5-13	Ryan Burke - 100%	2026-07-06



Warden/Pike

FIGURE 1
Regional Location of Warden and Pike Properties



GEOMORPHOLOGY

The climate in the 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.

Topography in the area consists of flat, glacially scoured alpine ridges and precipitous cirques with steep slopes that extend up from broad, open, gentle valley bottoms. Permanent snowfields exist on northern facing ridges of most ridges and mountains in the area. Valley floors lie around 1500 m and summits vary in height up to 2200 m. Both properties are above treeline, which lies around 1450 m.

REGIONAL GEOLOGY

The regional geological setting of the project area is described in detail in Hart and Radloff (1990) from which the following information is summarized:

The Warden and Pike properties are located within the Intermontane belt of the Canadian Cordillera. Oldest rocks in the area comprise domains and screens of 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.

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 (Naas, 2007).

Mesozoic plutonic rocks, which underlie much of the project area, separate the Jurassic units and Nisling Assemblage into isolated domains and screens. The most abundant rock types in the region comprise metaluminous Cretaceous intrusions of the Coast Plutonic Complex, which are subdivided into several plutonic suites by Hart and Radloff (1990). The dominant Cretaceous suites in the project area include the Mt. McIntyre plutonic suite (96 to 119 Ma), comprising the Mt. Ward granite and Carbon Hill quartz monzonite, and the Whitehorse plutonic suite (116 to 119 Ma), locally represented by the Mt. McNeil granodiorite pluton. Isolated accumulations of mid to late-Cretaceous volcanic rocks of intermediate composition of the Mt. Nansen Group are present regionally and are approximately coeval with the Coast Plutonic Complex.

Pre-Tertiary rock types in the region are unconformably overlain by at least four Late Paleocene to Early Eocene volcanic complexes that form the Skukum Group, and are intruded by numerous associated rhyolite and andesite dykes. In the project area, these are the youngest exposed rocks and are represented by the Early Eocene Mount Skukum volcanic complex (MSVC) and the Bennett Lake volcanic complex (BLVC).

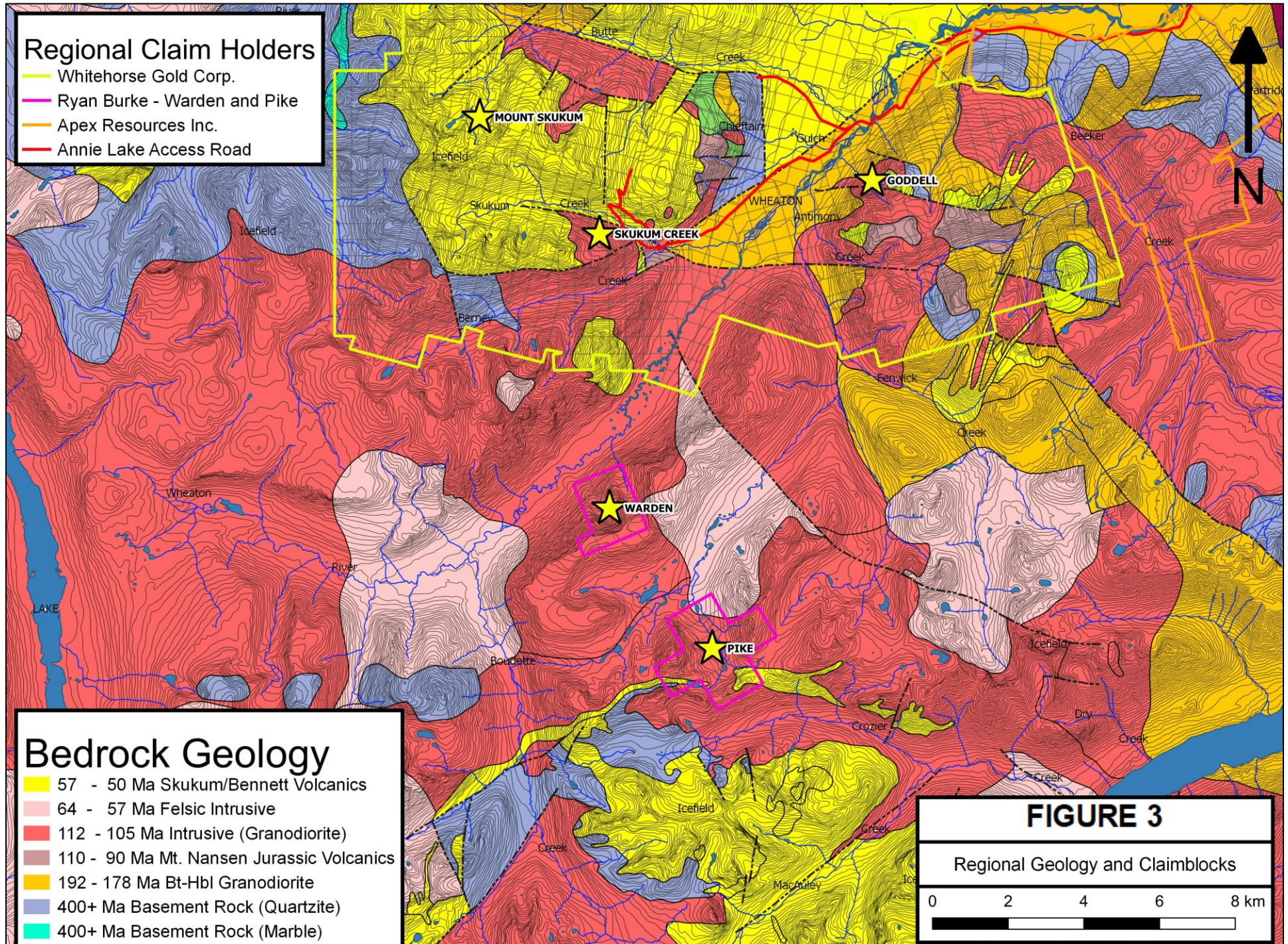
Late Cretaceous and Early Paleocene brittle dextral displacement associated with widespread dextral displacement throughout the Cordillera is related to reactivation of the Triassic Tally-Ho shear zone. This phase of displacement formed a brittle fault system, termed the Llewellyn fault by Hart and Radloff (1990), which exploited parts of the earlier Tally-Ho structure. Subsidiary faults generated during this tectonic episode may subsequently have been remobilized during Eocene volcanic activity to locally form caldera-bounding structures; these may also have acted as permeable structural sites for the formation of the late-volcanic vein deposits hosted by faults and shear zones in the area (Naas, 2007).

The MSVC comprises a bimodal sequence of subaerial volcanic and volcanoclastic rocks with a total thickness that locally exceeds 800 metres, and an areal extent of approximately 200 km². Exposures of the complex adjacent to the Skukum Creek deposits are composed mainly of massive to poorly bedded, plagioclase porphyritic andesitic flows and tuff (McDonald et al, 1990, Naas, 2007). Rocks of the MSVC are locally separated from pre-Tertiary rock types by east- to northeast-trending, curved faults such as the Berney Creek fault and Wheaton lineament that may have been active synchronously with volcanism and which potentially form caldera-bounding structures (Hart and Radloff, 1990). These structures are host to or control probable synvolcanic vein and shear zone hosted Au-Ag mineralization in the district (Naas, 2007).

The BLVC is located 10 km south of the MSVC and 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. 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 along a caldera-bounding structure. The ring dyke likely formed during caldera collapse. The dykes are nearly vertical, pinch and swell, and range from 150 to 300 metres wide. 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).

A simplified regional geology map including regional claimholders is presented below (Figure 3). The MSVC is located in the northern portion of the map, while the BLVC and ring dyke are in the southern half of the map. The Warden and Pike properties are labelled alongside three notable deposits within the MSVC which are described in more detail in the following section of this report.



EXPLORATION HISTORY & REGIONAL DEPOSITS

There are records of exploration in the Wheaton River area since the early 1900's, with multiple adits having been driven into a number of areas throughout the region. However, the area received the majority of its exploration work following the discovery of the Mt. Skukum mine in 1981. Riding on the coat-tails of this discovery, a flurry of regional exploration of the MSVC and lesser exploration of the BLVC occurred between 1981 and 1989.

This work resulted in the discovery of numerous mineral occurrences throughout the region, the definition of three deposits (Table II; modified from Naas and Simpson, 2013) in and around the MSVC, and ultimately in successful production of the Mt. Skukum mine from 1986 to 1988.

Exploration efforts effectively ceased following the closure of the Mt. Skukum mine, with small amounts of sporadic exploration occurring post-1990. Multiple discoveries of the 1980's warrant further work. The MSVC and the BLVC are immensely underexplored volcanic complexes that host significant potential for new discoveries.

The three most well-known and significant discoveries of the 1980's are:

Mt. Skukum (Past Producer; NI-43-101 compliant resource)
 Goddell Gully (Developed Prospect; NI-43-101 compliant resource)
 Skukum Creek (Developed Prospect; NI-43-101 compliant resource)

Mt. Skukum

At Mt. Skukum, gold and silver occur in three separate quartz-calcite vein zones along sub-parallel faults. The largest, most easterly and thoroughly explored zone is the Cirque zone which is 200 m long, 80 m deep and averages 5 m thick. It is a cluster of veins associated with a flexure in the Main Zone Fault. The Main Zone Fault is a 20 to 30 m wide structure containing numerous felsic to andesitic dykes and bounded by stockwork veins (each 0.1 to 3.0 m wide). The fault strikes 030° to 050°, dips steeply southeast and has been traced on surface for a length of 1.5 km.

Between 1986 and 1988 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).

Mt. Skukum Deposit Mineral Resource (using a 3.0 g/t AuEQ cut-off grade):

Class	Tonnes	Au (g/t)	Ag (g/t)	AuEQ (g/t)	Contained oz Au	Contained oz Ag	Contained oz AuEQ
Inferred	90,100	9.28	12.9	9.43	26,882	37,368	27,308

Goddell Gully

Goddell Gully contains gold and silver mineralization within a 35-m wide east-trending fault zone of black augen cataclasite and brecciated quartz monzonite over a strike length of at least 500 m. The fault zone forms a prominent gossanous lineament that has been traced for about 4.8

km on surface.

Mineralized zones are crudely tabular, moderate to steeply north dipping and possibly westerly plunging and may in part be localized along minor north dipping splays off the main Goddell fault. Stibnite is commonly the main sulphide phase and is typically accompanied by minor amounts of pyrite, sphalerite and traces of galena.

Goddell Deposit Mineral Resource (using a 3.0 g/t Au cut-off grade):

Class	Tonnes	Au (g/t)	Ag (g/t)	AuEQ (g/t)	Contained oz Au	Contained oz Ag	Contained oz AuEQ
Indicated	329,700	8.13	-	8.13	86,210	-	86,210
Inferred	483,900	7.13	-	7.13	110,867	-	110,867

Skukum Creek

Skukum Creek is a polymetallic vein deposit contained within northeast trending faults and shear zones. The deposit is hosted along veins and vein breccias developed along the margin of Eocene-aged andesitic to flow-banded rhyolite dykes within the mid-Cretaceous Mt. McNeil granodiorite.

The mineralized veins consist of quartz or quartz-rhyolite breccia containing 20-40% sulphides, which include pyrite, arsenopyrite, sphalerite, galena, minor chalcopyrite, pyrargyrite, pyrrhotite and bornite, and traces of argentite, tetrahedrite, gold and electrum. The veins cut rhyolite dykes which intrude propylitically altered granodiorite. The ore zones range from 1 to 22-m wide. Gouge, granodiorite, and rhyolite breccia occur in both the hanging wall and footwall of the veins.

Skukum Creek is comprised of a number of anastomosing shears, with the two main zones being the Kuhn and Rainbow zones. The Kuhn zone is 444-m long and has a vertical extent of 385 m. It narrows to the southwest as the fault splay changes direction and merges with the east west-trending, 10-km long Berney Creek Fault. The Rainbow zone is 660-m long and has a vertical extent of 618-m, with an average width of 1.2-m. Both zones have similar mineralogy but the Kuhn zone has less galena, more arsenopyrite and a higher Au:Ag ratio.

Other mineralized zones in the Skukum Creek area include the potential strike extensions of the Rainbow and Kuhn zones.

Skukum Creek Deposit Mineral Resource (using a 3.0 g/t AuEQ cut-off grade):

Class	Tonnes	Au (g/t)	Ag (g/t)	AuEQ (g/t)	Contained oz Au	Contained oz Ag	Contained oz AuEQ
Indicated	1,001,300	5.85	166.4	7.75	188,334	5,355,478	249,401
Inferred	537,000	4.99	108.3	6.22	86,124	1,869,065	107,415

An in-depth review of historical exploration activities around Mt. Skukum is available in New Pacific Metals 2013 NI 43-101 Technical Report on the Mt. Skukum Project.

WARDEN PROPERTY GEOLOGY & MINERALIZATION

Significant mineralization was first discovered at the Warden property by Skukum Exploration Inc. in 1988, with the discovery of three separate vein systems (Figure 4) 7 km south of the Skukum Creek deposit. The vein discoveries are described in detail below:

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 **10.64 g/t Au, 378 g/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 selvages and blebs 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)

In addition, a mineralized float sample from 1988 exploration taken near the top of Mt. Ward returned 0.7 g/t Au.

These high-grade vein discoveries were never followed up after the closure of the Mt. Skukum mine in 1988.

Geological mapping on the Warden property has identified numerous 5 to 20-m wide, north-northeast trending rhyolite dykes and small plugs. These dykes and plugs intrude biotite-hornblende granodiorite, likely the Mt. McNeill granodiorite. Numerous prominent structures are identifiable within the cirque and are likely related to mineralization (Figure 5).

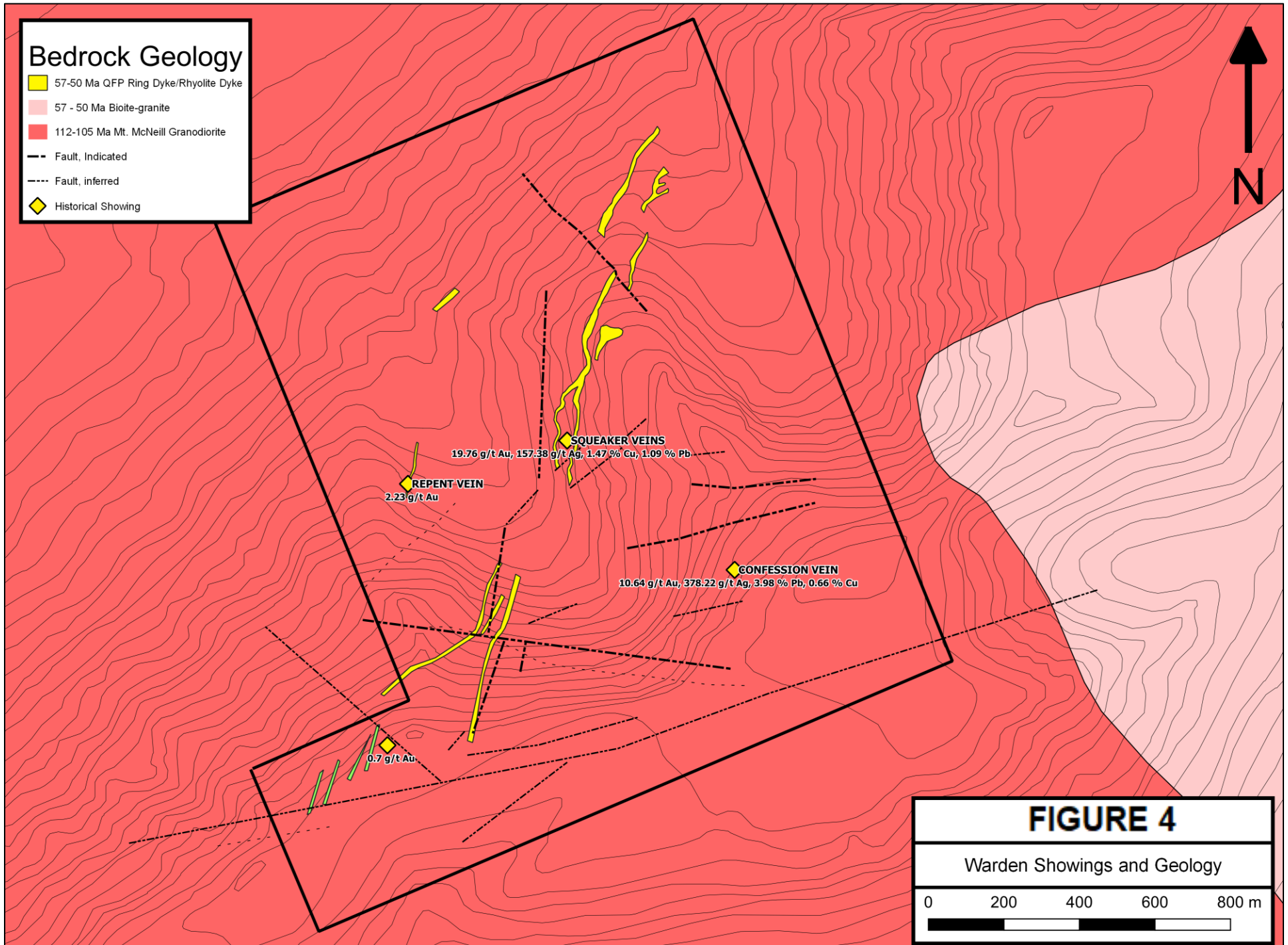
In 2019, 40 till samples were collected on the plateau of Mt. Ward on the southeastern corner of the claim block.

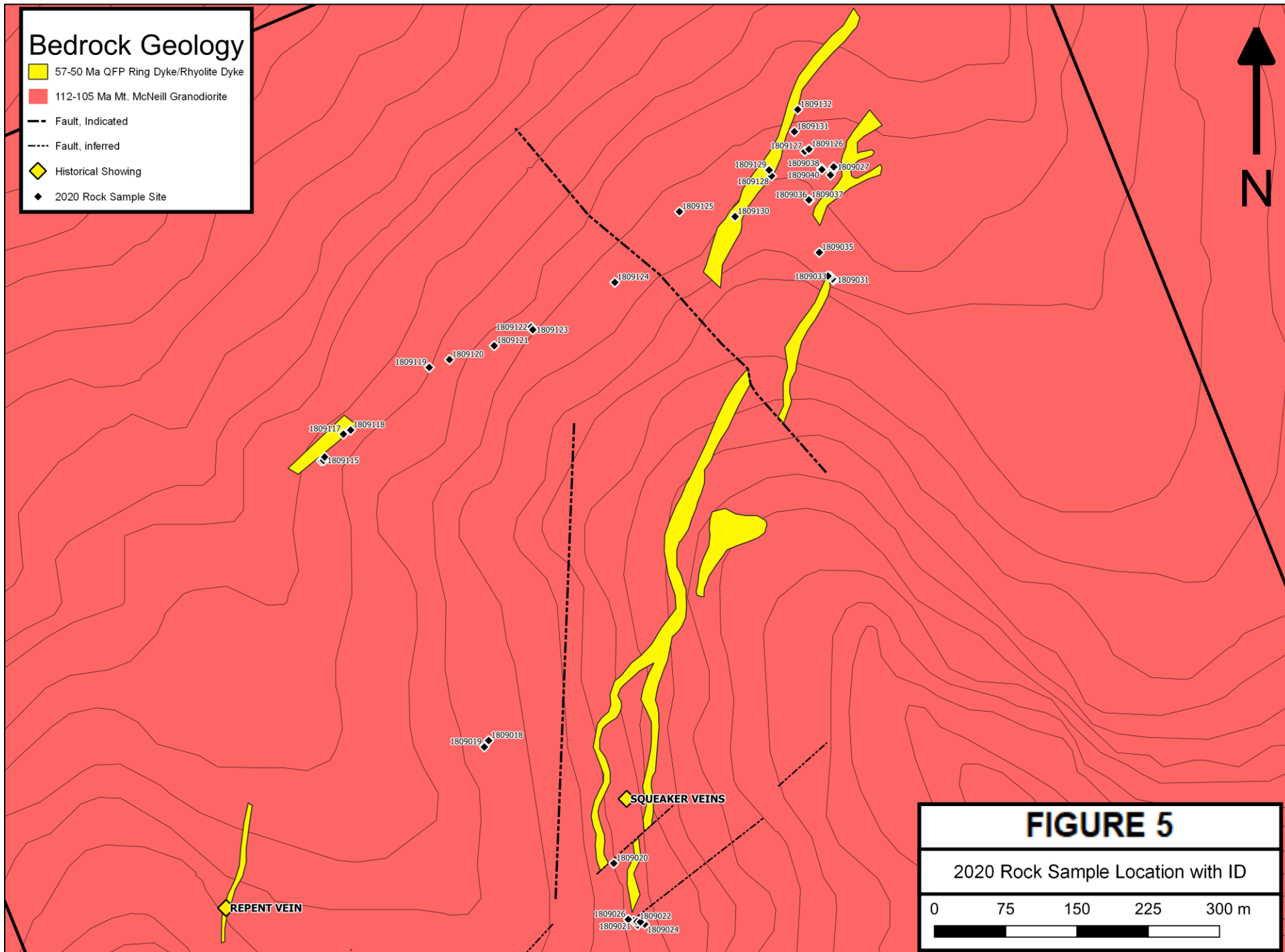
In 2020, a half-day of prospecting by a two-man team was performed on the Warden Property. 42 rock samples were collected. In addition, a drone survey was performed over the majority of the claim block.

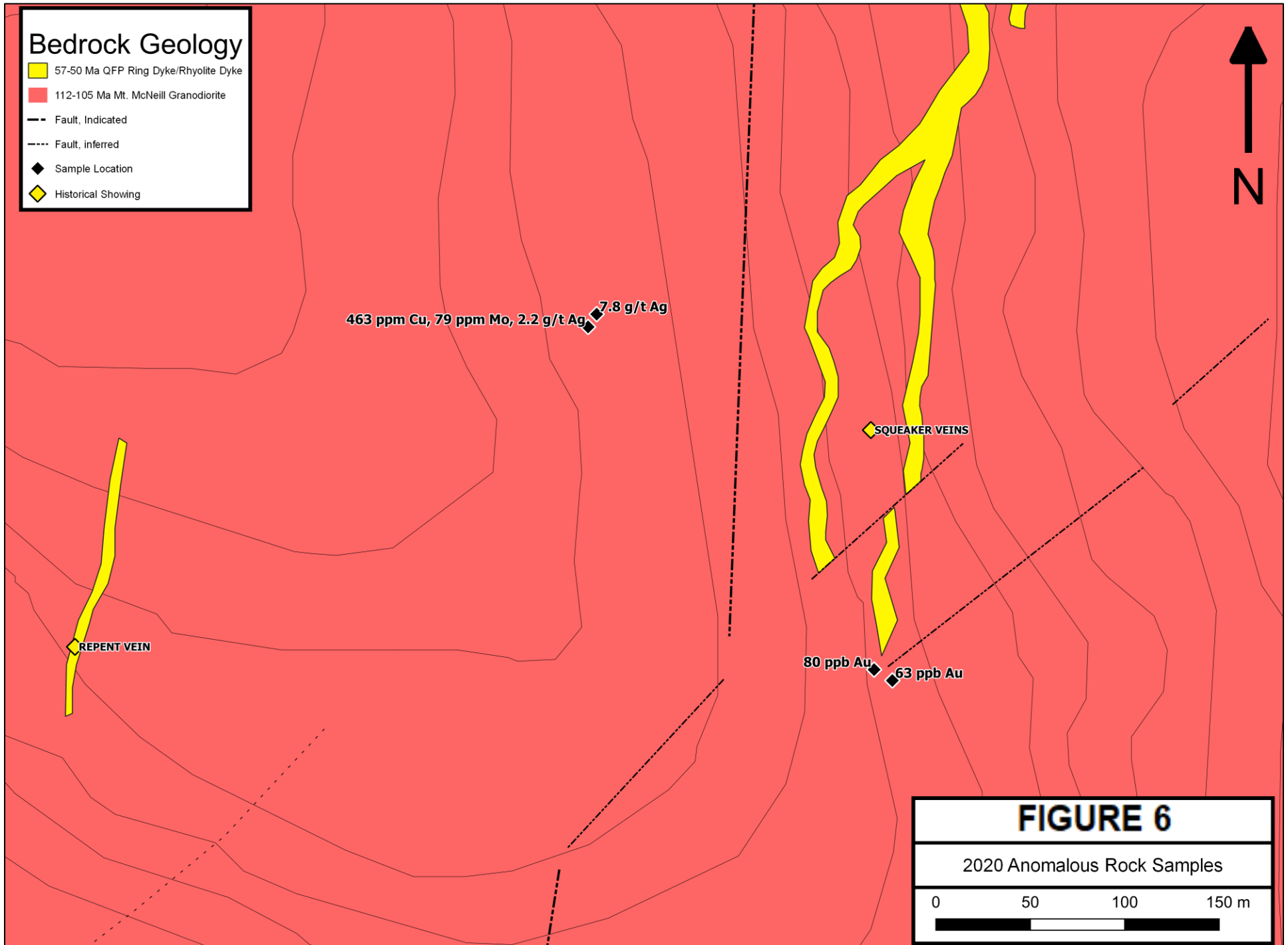
Notable results of 2020 exploration on the Warden include four grab samples that returned anomalous values. The remaining samples returned background values for elements of interest (Cu, Ag, Mo, Au, Pb, Zn). Rock sample locations can be found in Figure 6.

Two vein samples collected downslope of the Squeaker vein returned 463 ppm Cu, 79 ppm Mo, 2.2 g/t Ag and 7.8 g/t Ag, respectively. Two grab samples collected south of the Squeaker vein returned 63 ppb Au and 80 ppb Au (Figure 7).

The historical showings on the Warden property were not relocated due to time constraints in the field. Successful relocation of the historical showings remains a priority for future work.







PIKE PROPERTY GEOLOGY & MINERALIZATION

The Pike property was staked near two notable showings discovered during 1988 regional exploration that have received limited follow-up work since their initial discovery. The claims are located 3-km south of the Warden property and 10-km south of the Skukum Creek deposit.

Follow-up work in 2019 and 2020 has resulted in the discovery of significant mineralization throughout the property, with individual rock samples returning peak values of **48.1 g/t Au, 643 g/t Ag, 7.49% Cu, 3.63% Pb, 0.27% Zn, 0.87% Mo, 0.12% Sb and 0.30% Bi.**

In 2019, a 9-day exploration program resulted in the collection of 48 till samples, 49 rock samples and preliminary 1:5,000 scale geological mapping.

In 2020, a 10-day exploration program resulted in the collection of 251 till samples and 95 rock samples, a ground magnetic survey over the south-central claim block, continued 1:5,000 scale geological mapping, and drone surveying of the southern portion of the claim block by Venessa Bennett of Drone North. The methodology of the geophysical and drone surveys are described in Appendix IV and V, respectively.

The dominant lithology throughout the property is a magnetic biotite-hornblende granodiorite. Pervasive chlorite and epidote-pyrite alteration in stringer veinlets and on fracture surfaces are common. Hornblende and biotite have been at least partially replaced by greenish chlorite in even the freshest samples. This unit is likely the Mt. McNeil granodiorite, the same host rock of the Skukum Creek deposit.

Granodiorite is crosscut by younger basalt to rhyolite dykes that vary in width from 1 to 30 m. There are fine-grained basaltic dykes with pervasive chloritization of mafics, rusty pale green to dark grey andesitic to dacitic dykes, and mauve to tan brown, heavily fractured, weakly pyritized, fine-grained rhyolite dykes. One rhyolite dyke with prominent flow-banding was discovered during 2020 prospecting. These dykes occur sporadically throughout the property, increasing in density with proximity to the ring dyke. The ring dyke outcrops prominently on 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 100 to 300-m wide. A small isolated raft of limonitic quartzite to quartzite breccia sits above the ring dyke in the southwest portion of the property.

Two major subparallel north northeast-trending structures run through the project area and are visible in satellite imagery. Mineralization discovered to date is spatially associated with these structures and is likely related to them.

Multiple styles of mineralization have been discovered on the Pike property, including:

- Hematite-stained quartz veins with isolated flaky molybdenite, disseminated fine-grained pyrite and a fine-grained black mineral (Ag-sulfosalt?)
- Malachite-stained quartz veins with semi-massive blebs of chalcopyrite and pyrite, with minor limonitic vugs

- Epidote-altered, banded quartz veins with semi-massive blebby bands of argentiferous galena and trace pyrite
- Subangular quartz-carbonate heterolithic breccias
- Intrusive subrounded heterolithic breccia with pervasive epidote stockwork alteration and rare molybdenite

Four new Showings have been discovered in addition to the two historical Showings on the Pike property, and are summarized below. Figure 8 denotes Showing locations, while Figures 9 to 13 contain thematically mapped rock samples for gold, silver, copper, lead and arsenic, respectively.

The Cu-North Showing: Located in the northern half of the property is an outcrop vein sample from 1988 that returned **5.58% Cu and 0.76 g/t Au**.

The Bonanza Showing: a semi-massive sulphide quartz vein float sample returned **48.1 g/t Au and 47.6 g/t Ag**. Directly upslope (~50-100 m) of this sample is a 5-10 m wide flow-banded rhyolite dyke, outcropping for roughly 20-m, intruding granodiorite along a prominent NE-trending structural feature. The granodiorite above and below the dyke is bleached and displays moderate propylitic and argillic alteration. Other grab samples in the area are brecciated. The high-grade vein material is likely sourcing near this rhyolite dyke.

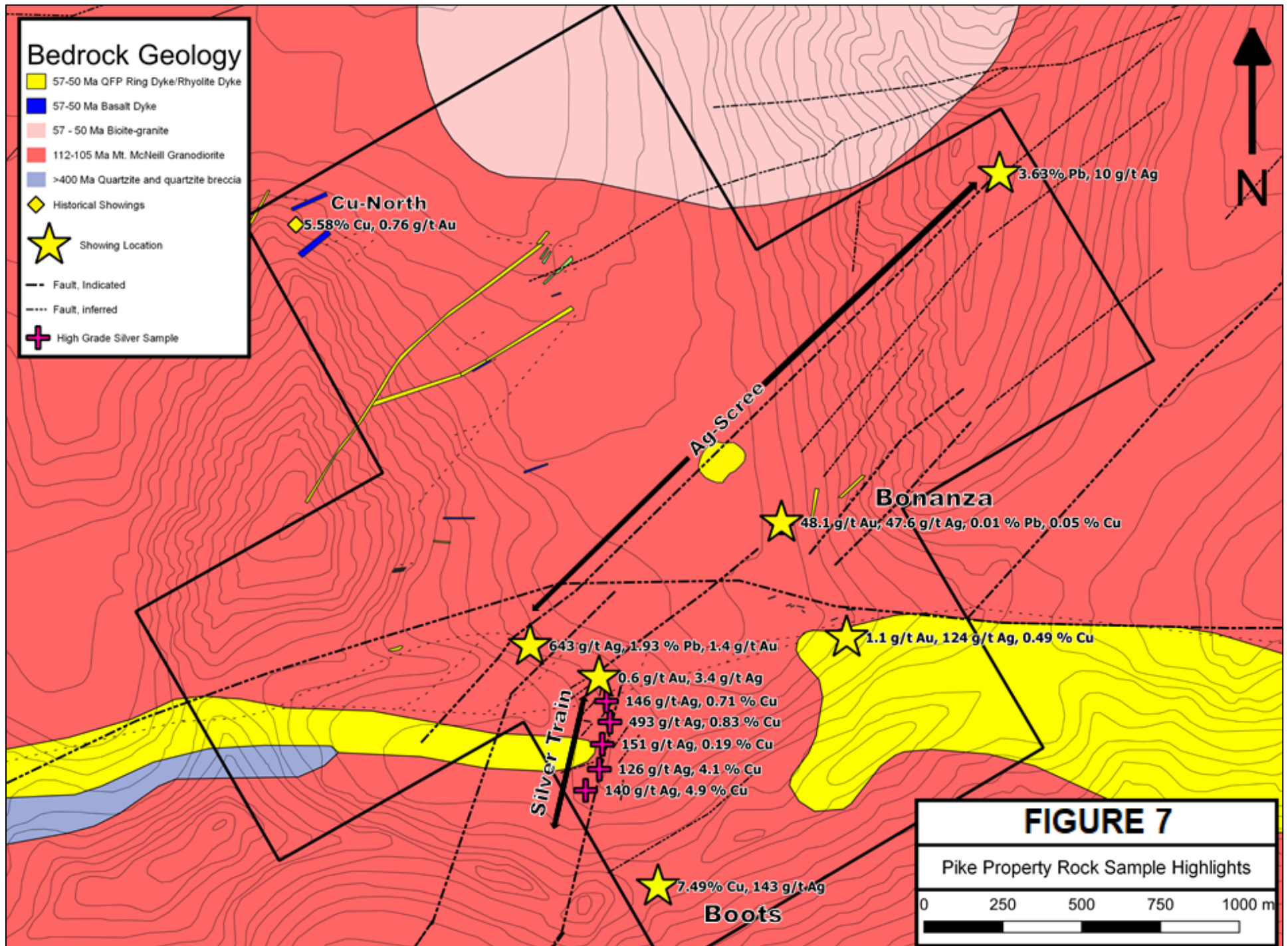
The Boots Showing: located on the southern edge of the claim block, along an east-west trending ridge lies a 50-cm wide malachite-stained quartz vein trending 090/64 with 5% pyrite and 2-5% chalcopyrite. The vein is hosted in granodiorite and outcrops for 20m before being obscured by talus cover. Grab samples of this vein have graded up to **7.49% Cu and 143 g/t Ag**.

The Silver Train: consists of 14 separate quartz vein float grab samples along a 500-m trend all returning anomalous values for silver, copper and molybdenum. These vein occurrences are likely related to the ring dyke and intersecting regional structures. This area is directly north of the Boots Showing, and likely sources from similar veins, which typically trend east-west and dip to the south.

Table IV: Silver Train Anomalous Rock Results

Sample ID	Ag g/t	Au ppb	Cu %	Mo ppm	Pb ppm	Zn ppm	As	Sb	Bi
1809343	493	28	0.83	607	434	61	80	1	750
1809348	224	102	0.32	20	44	265	5	79	4
1809343	151	23	0.19	318	29	12	2	0	1378
1809341	146	32	0.71	202	91	29	190	2	119
1809349	143	27	0.53	2760	77	14	1	1	975
1809350	140	41	4.87	999	60	48	1	1	762
1894760	138	59	5.35	1190	153	186	1	0	3000
1809342	130	8	0.38	101	80	10	10	0	111
1809347	126	136	4.06	5080	65	22	1	1	1361
1809380	112	53	0.11	633	21	40	1	0	716
1894799	68	19	0.27	5940	28	35	92	1	14
1809338	35	3	0.58	563	21	12	1	0	76
1809378	34	80	0.36	3440	140	2	16	2	25
1809379	20	7	0.14	5560	12	7	1	0	49

The Ag-Scree Showing: consists of four mineralized samples of epidote-altered quartz vein material with semi-massive blebby to banded galena with minor pyrite. Two samples taken from opposite ends of this 2.5-km long structure have returned **1.4 g/t Au, 643 g/t Ag, 1.93 % Pb and 0.19 % Cu and 0.1 g/t Au, 10 g/t Ag, 3.63% Pb and 0.02% Cu**. This structure remains underexplored and open along strike.





A = Subangular quartz-carbonate heterolithic breccia 100-m north of **Silver Train** in Figure 8

B & C = Epidote-pyrite on fracture surface of granodiorite; samples from throughout property

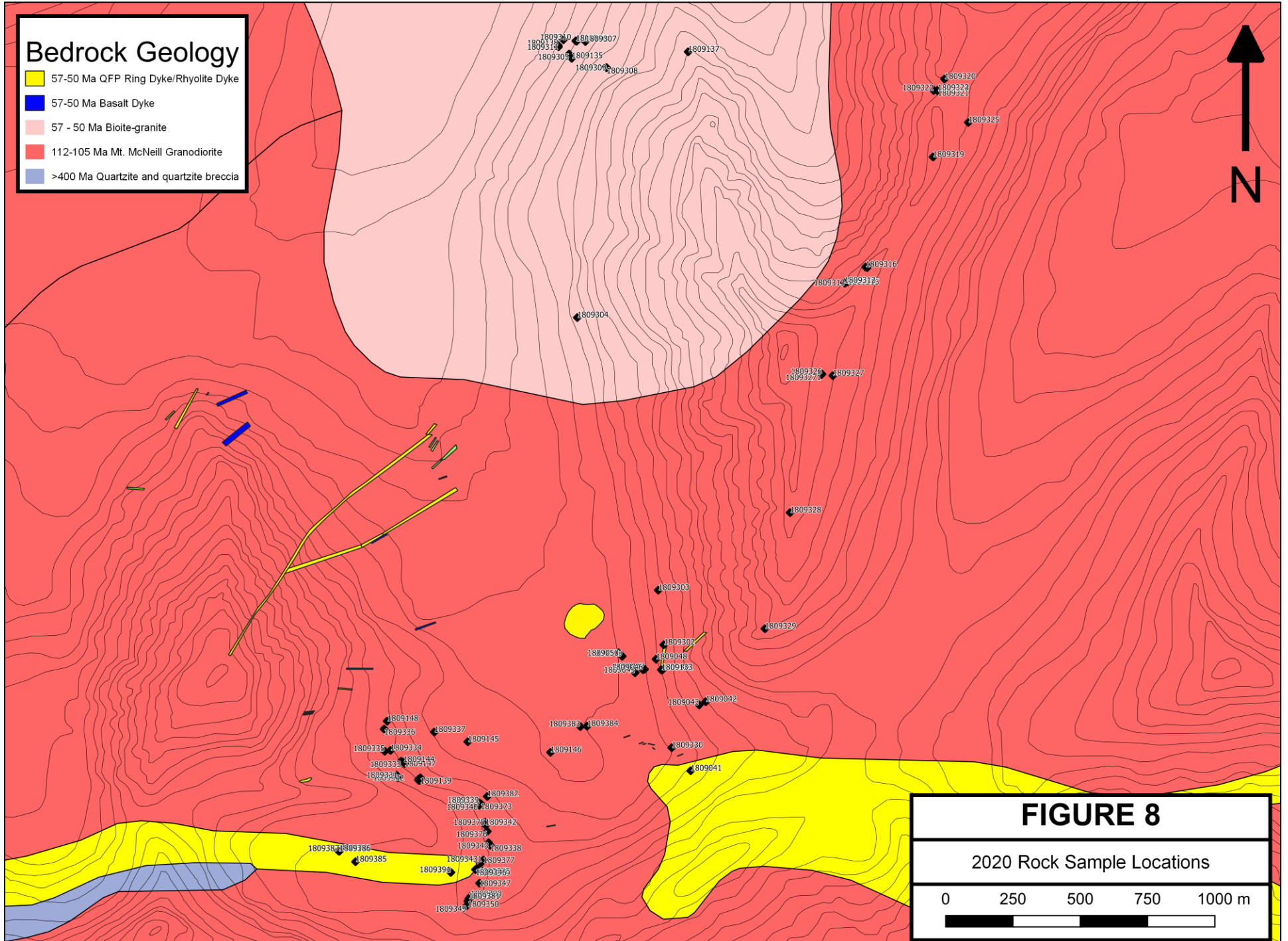
D = subrounded heterolithic breccia in outcrop (north-end of the **Silver Train** in Figure 8) with trace molybdenite along lower margin of granitic clast in upper right-corner

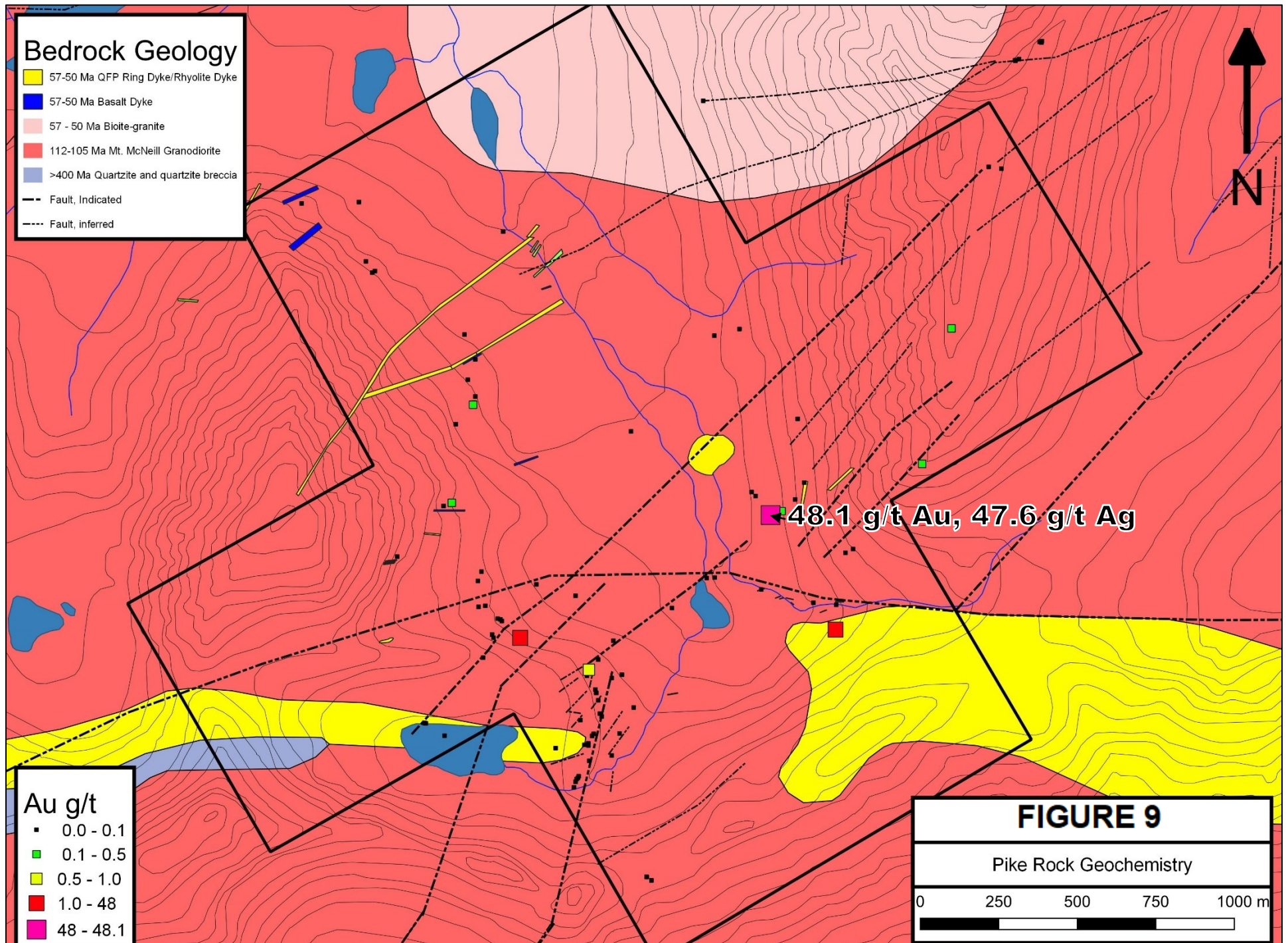


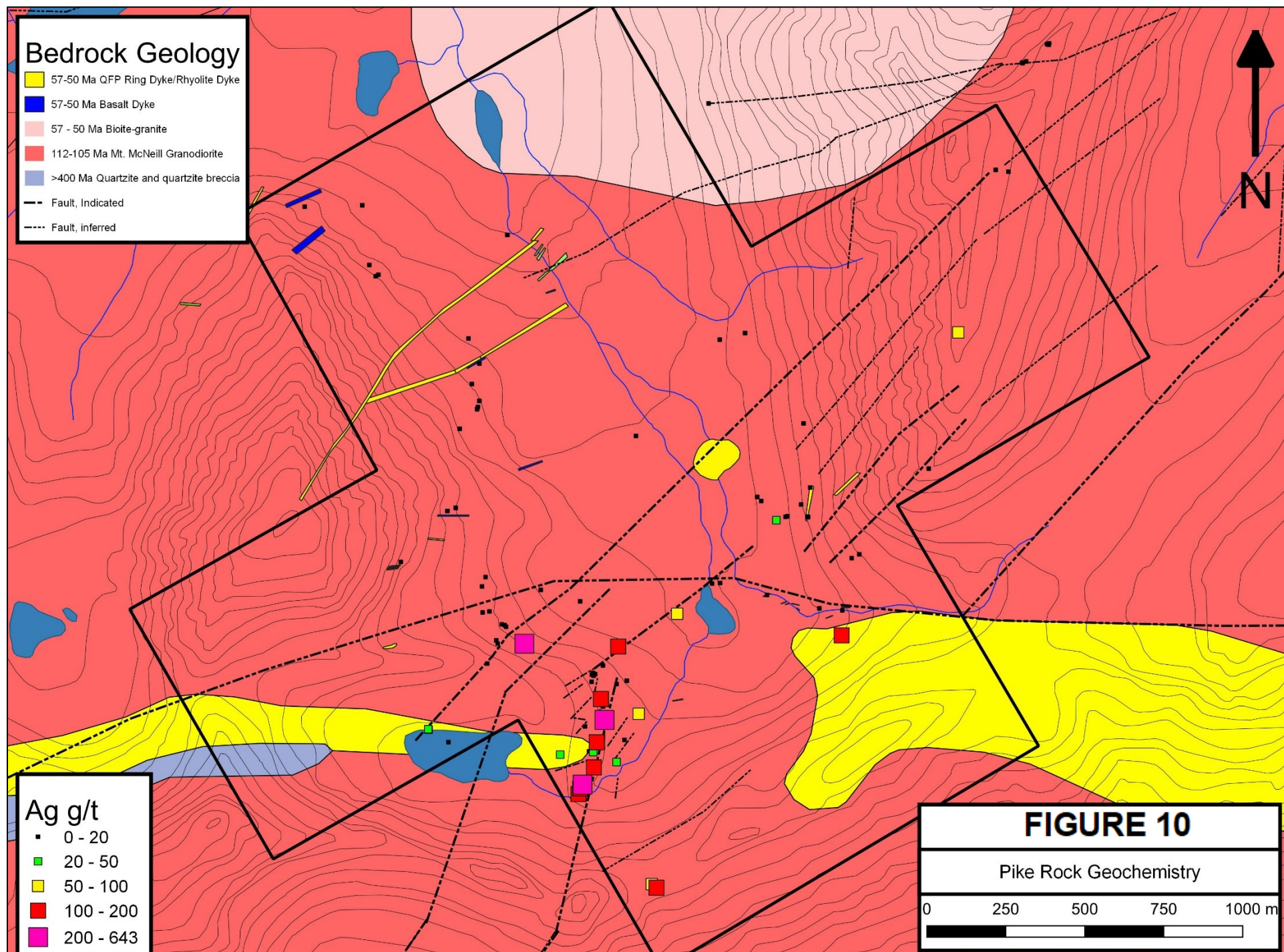
643 g/t Ag, 1.37 g/t Au, 1.93 % Pb, 0.2 % Cu

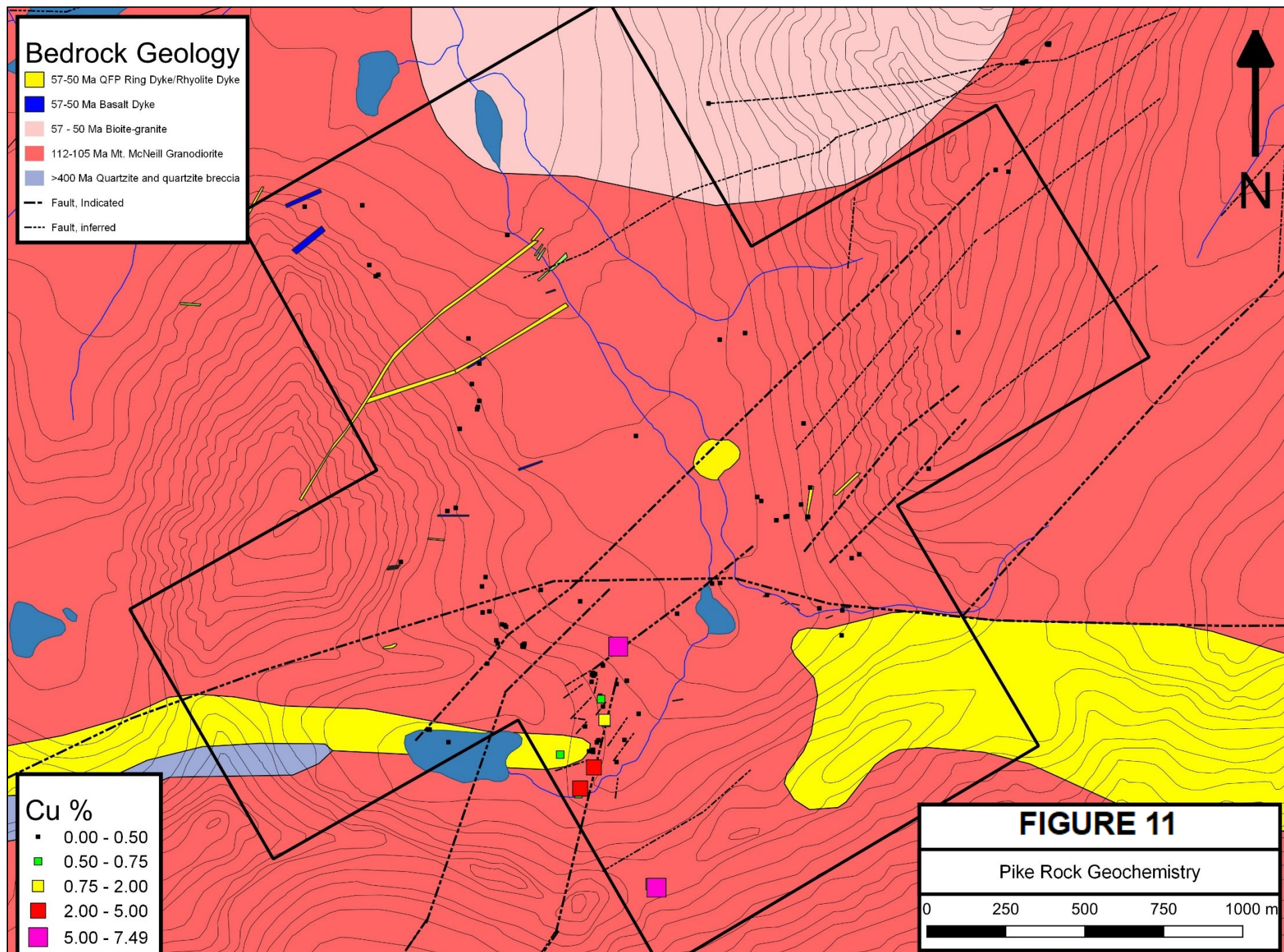
3.63% Pb, 10 g/t Ag, 0.10 g/t Au, 1.6 ppm Bi

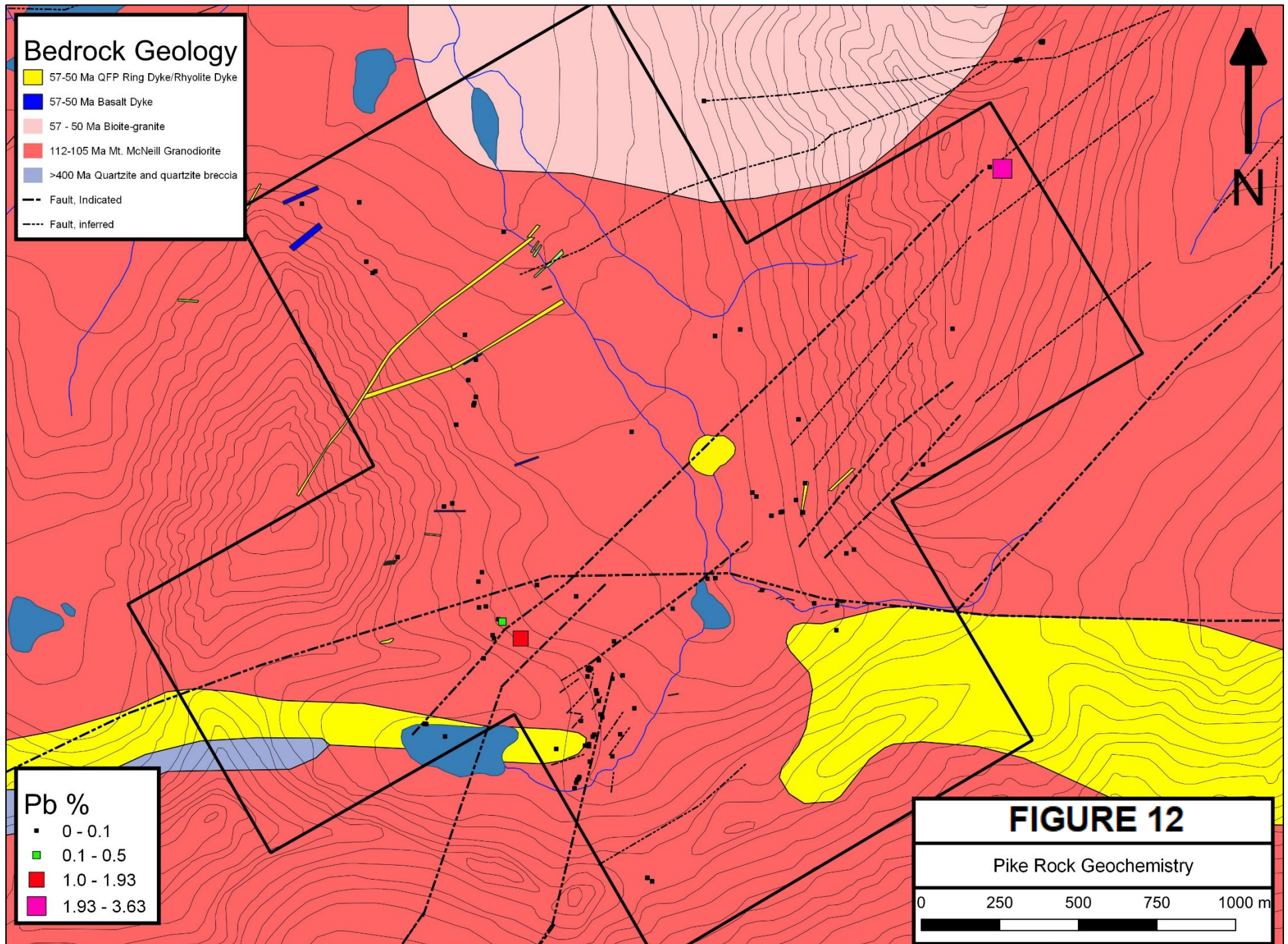
A = Malachite stained, chalcopyrite bearing vein trending 090/50 (Boots Showing; Figure 8) **B** = Malachite and epidote staining on surface of granodiorite on north-end of property (near Cu-North Showing; Figure 8) **C & D** = Banded quartz-epidote argentiferous galena veins (Ag-Scree Showing; Figure 8)

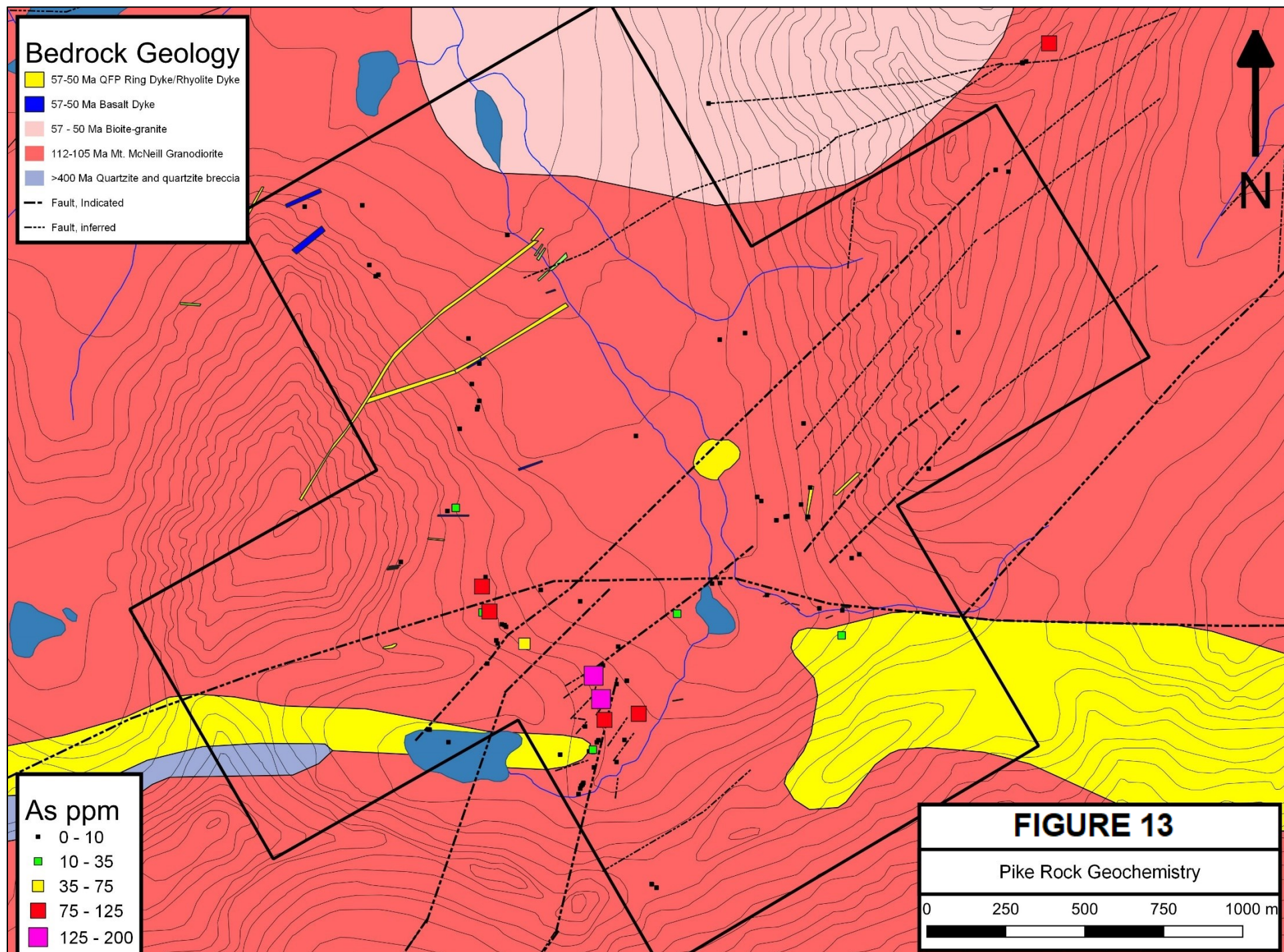












PIKE TILL GEOCHEMISTRY

Geochemical results on the Pike property are thematically mapped for gold, silver, lead, zinc, copper, molybdenum, antimony, bismuth and arsenic and are shown in Figures 15 to 22, respectively.

A description of sampling procedures, transport and analytical techniques can be found in Appendix IV. Anomalous thresholds for elements are indicated by the size and colour of the sample, as per the legend below:

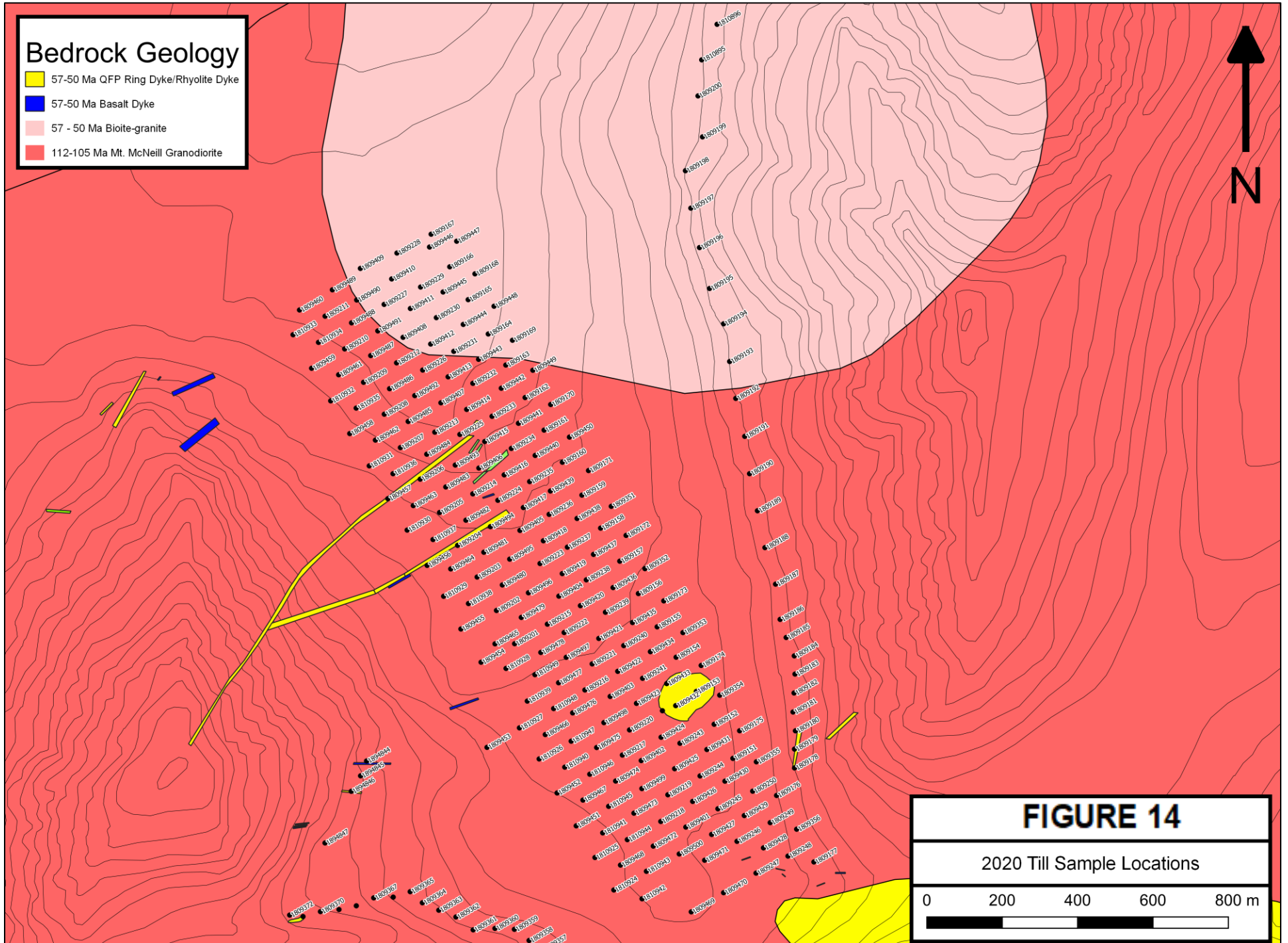
	Background
	Weak
	Moderate
	Strong
	Very Strong

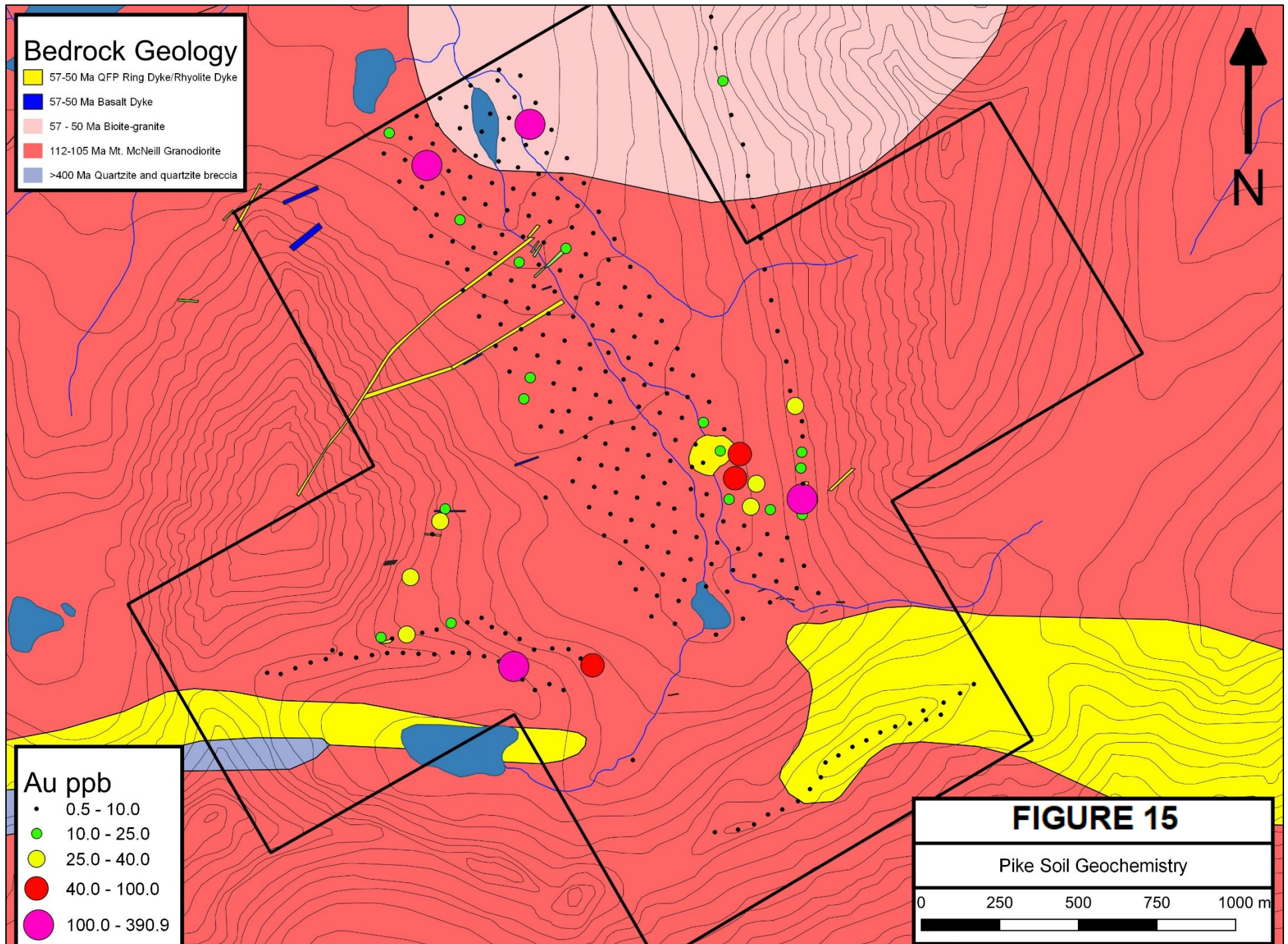
There are two main geochemical anomalies present on the property. The first anomaly, over 500-m in length, occurs near the southern end of the property and is a series of moderate to very strong silver, lead, zinc, copper, antimony and arsenic values with isolated occurrences of strong to very strong gold and bismuth values.

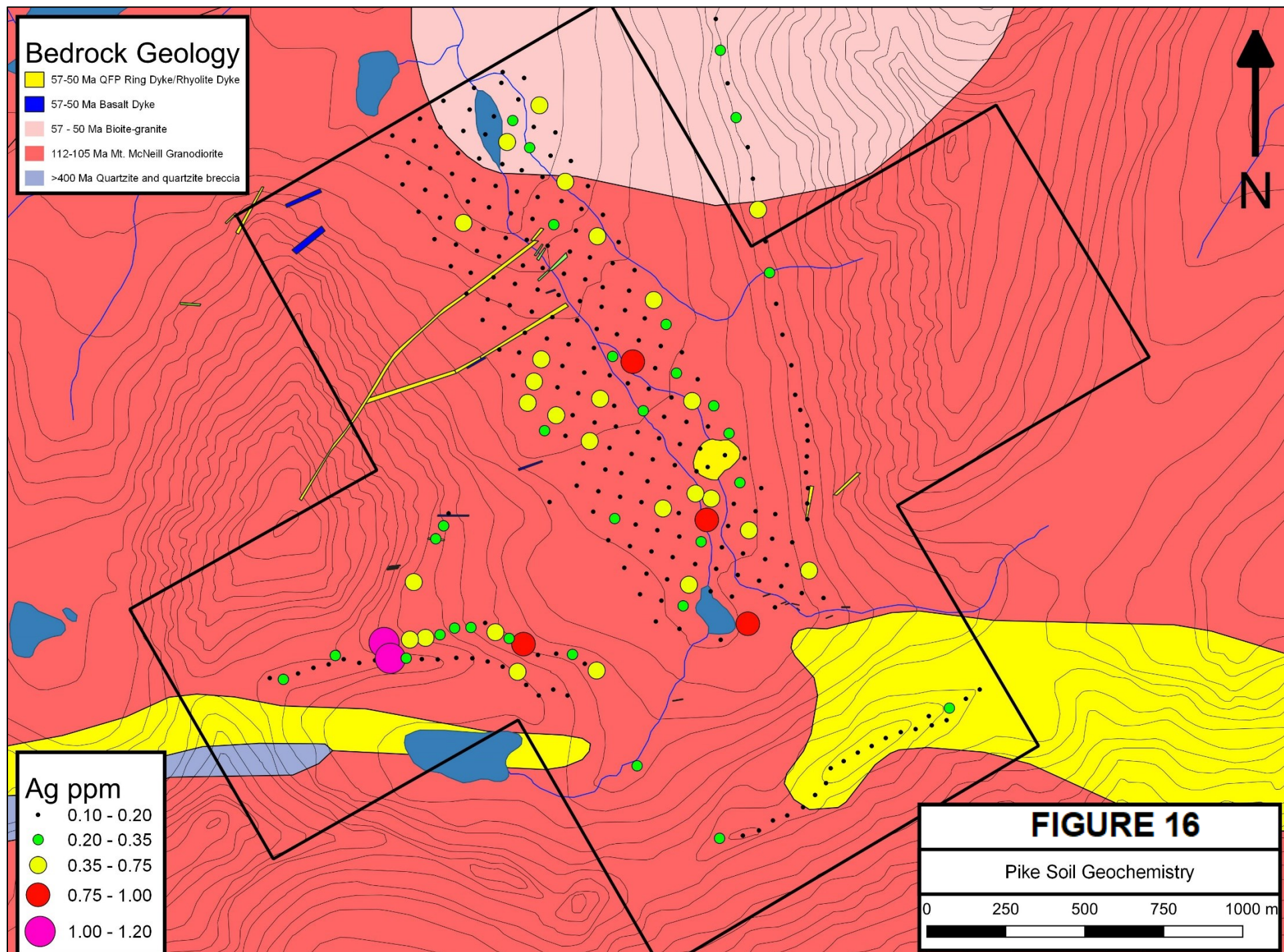
The second anomaly lies in the east-central portion of the claim block. This anomaly is a tightly clustered series of samples with moderate to very strong gold, silver, lead, zinc values extending over a 300 by 500-m area.

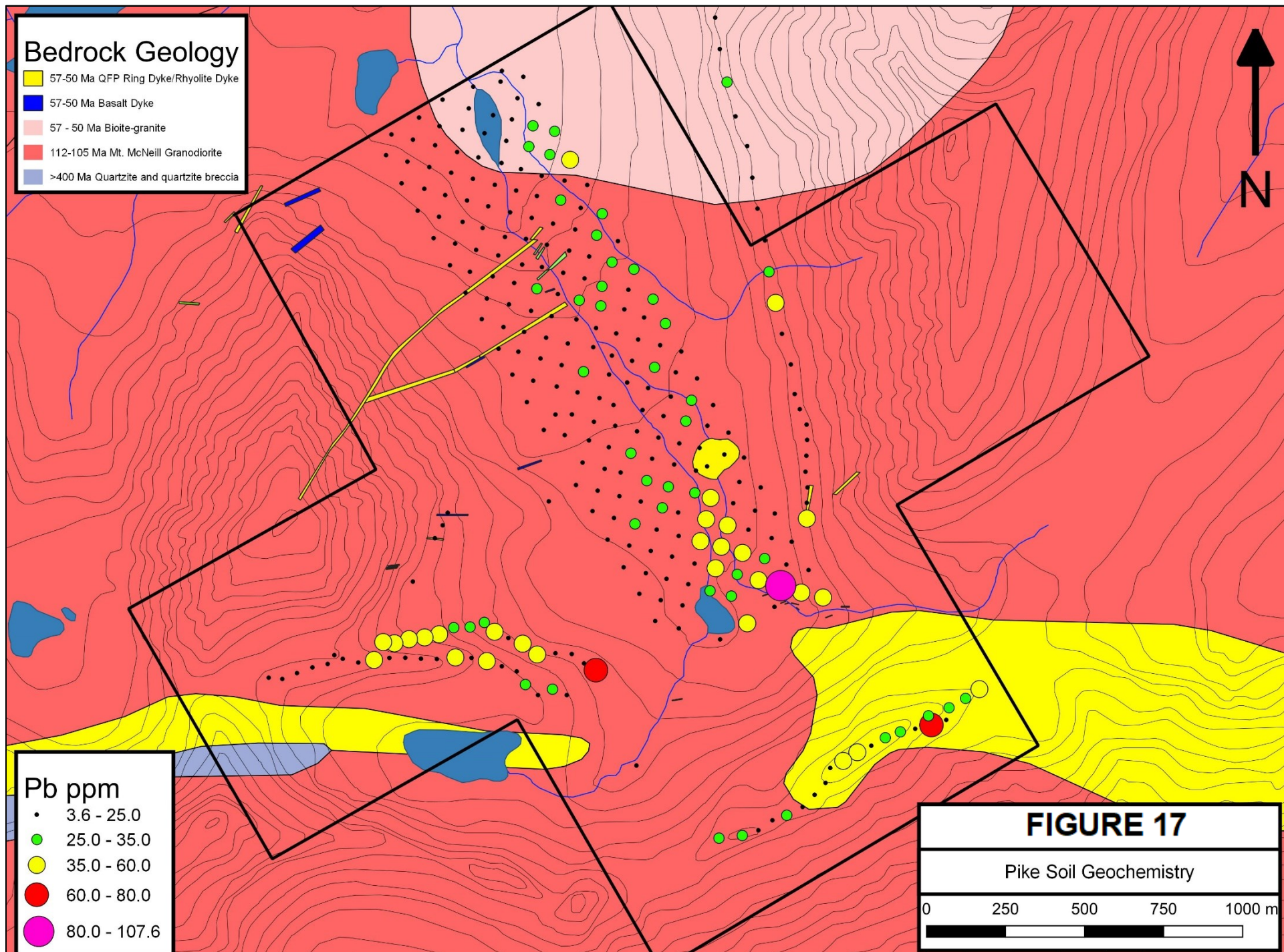
Roughly 200-m north of the east-central gold-in-till anomaly is a moderate to very strong molybdenum till anomaly forming a loose cluster 500 by 500-m in size.

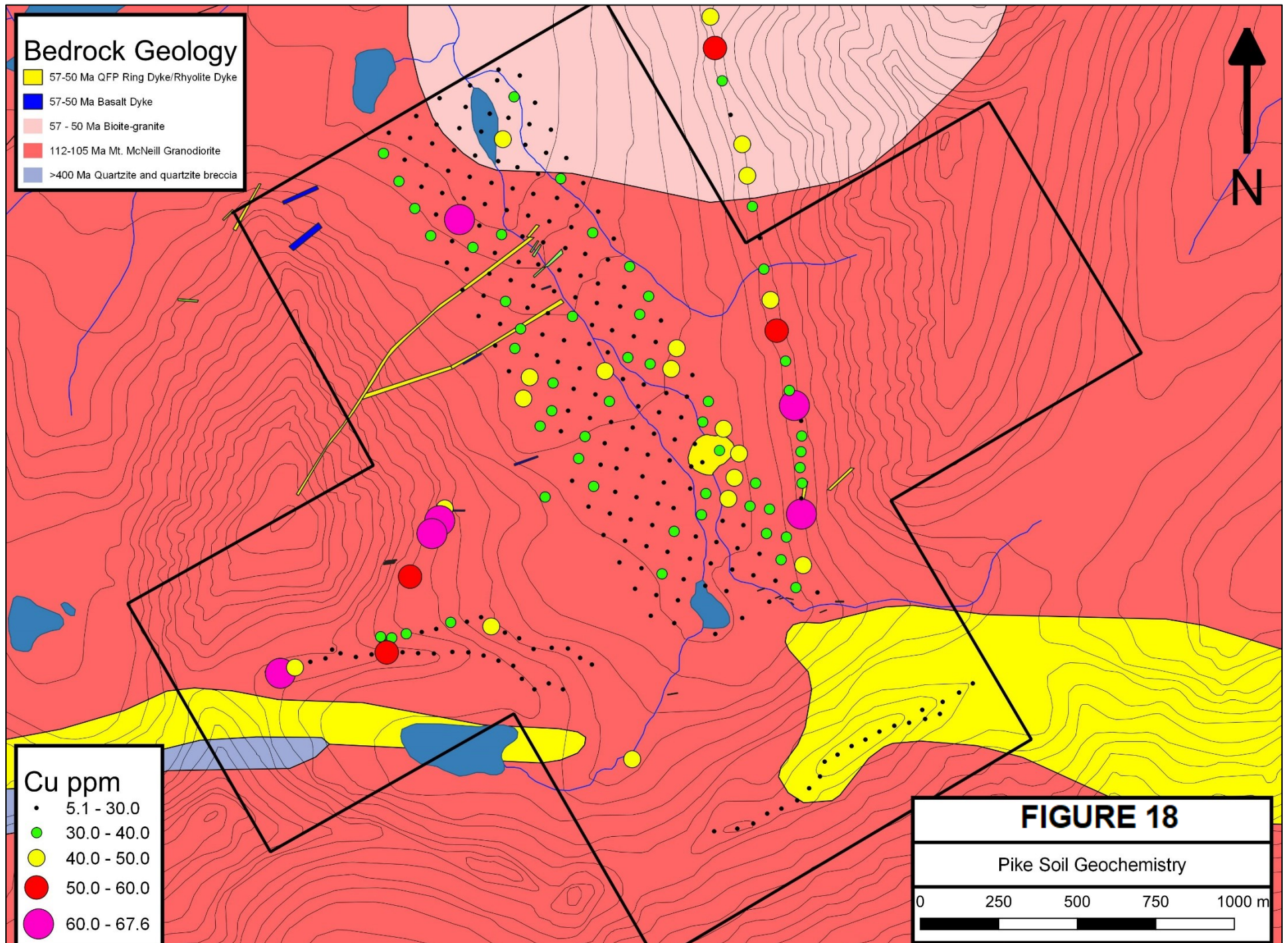
Other isolated spot anomalies occur throughout the claimblock, with two samples returning >100 ppb Au near the northern limit of the property which loosely correlate with isolated strong bismuth values.

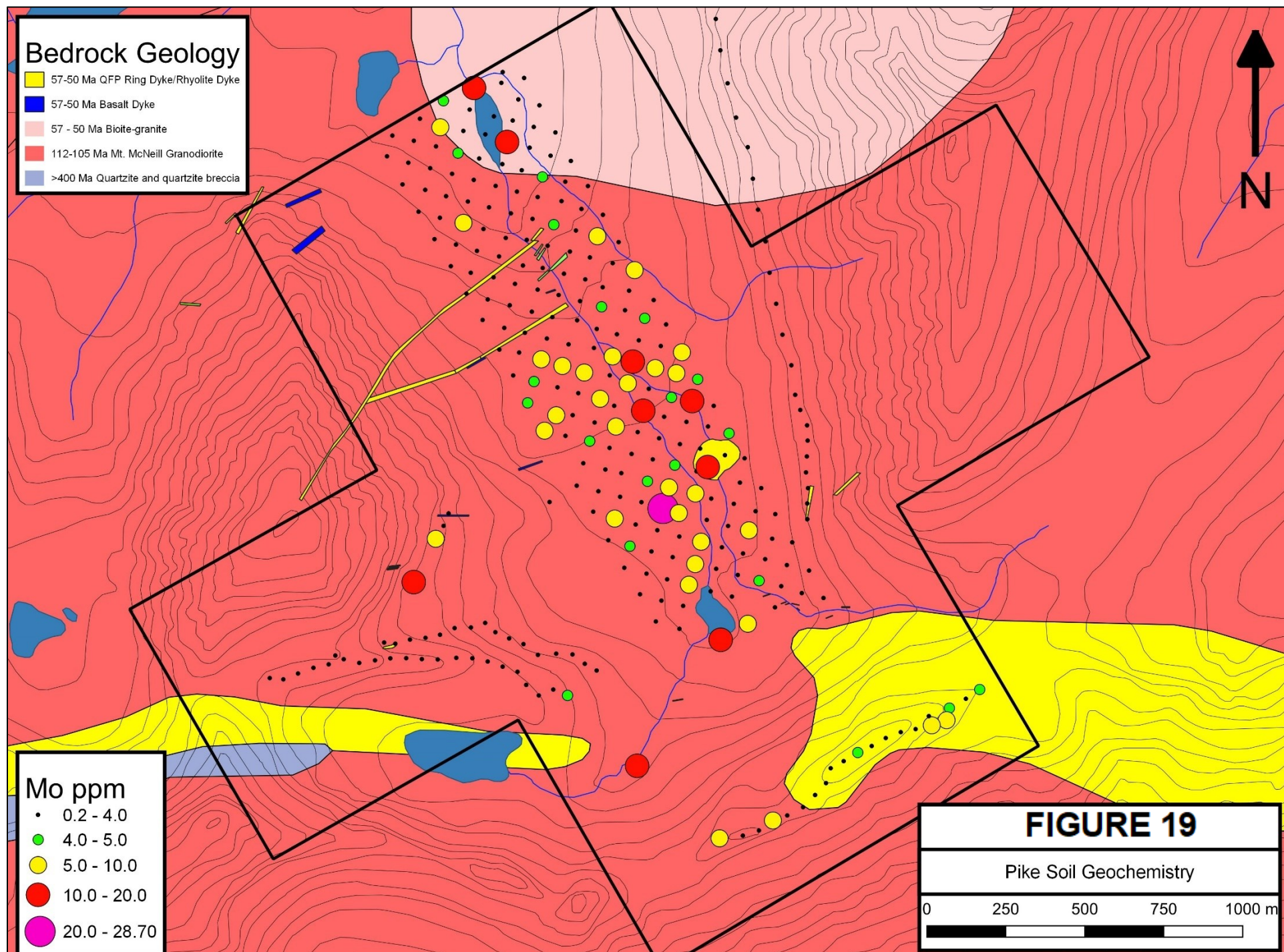


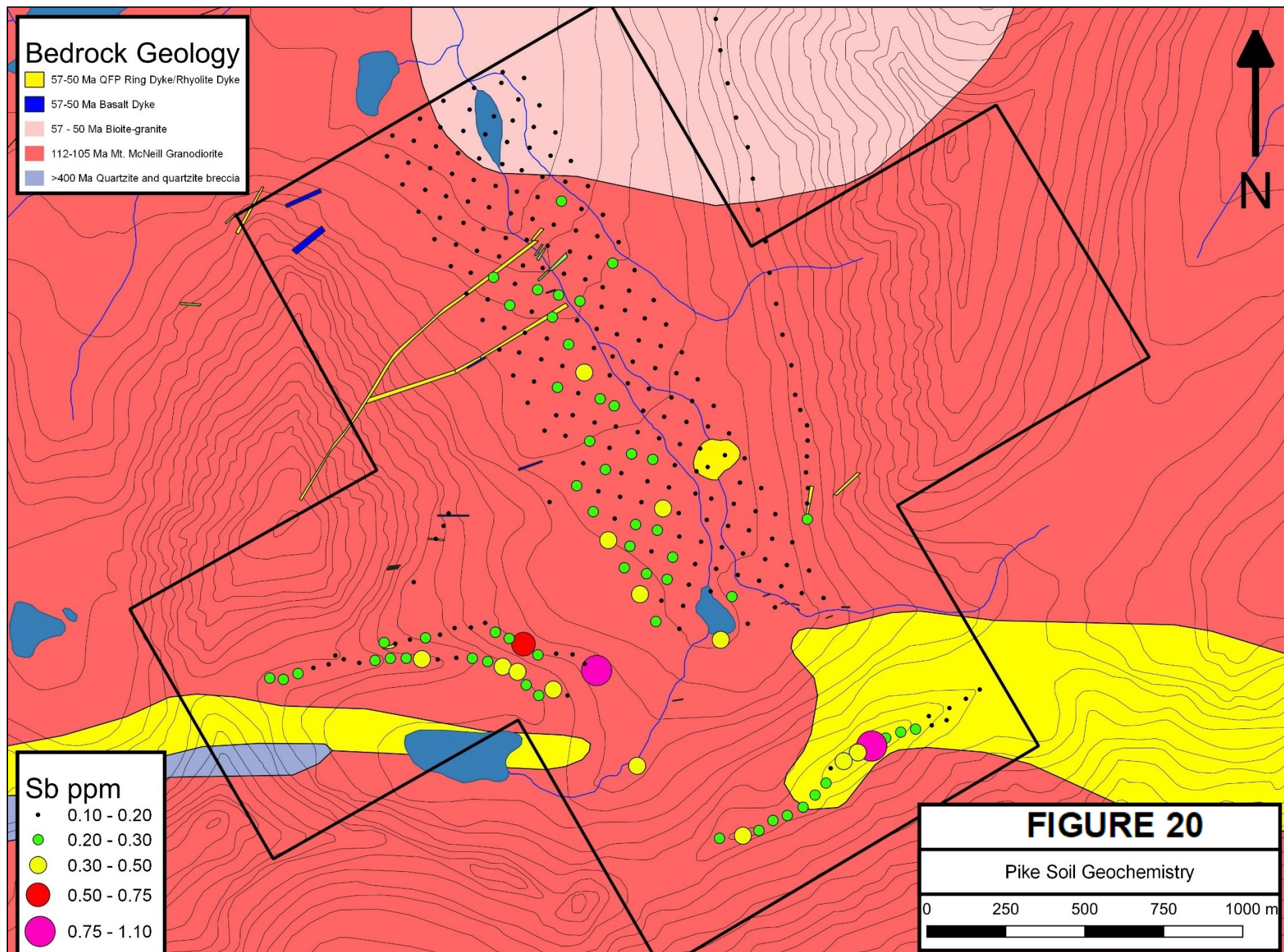


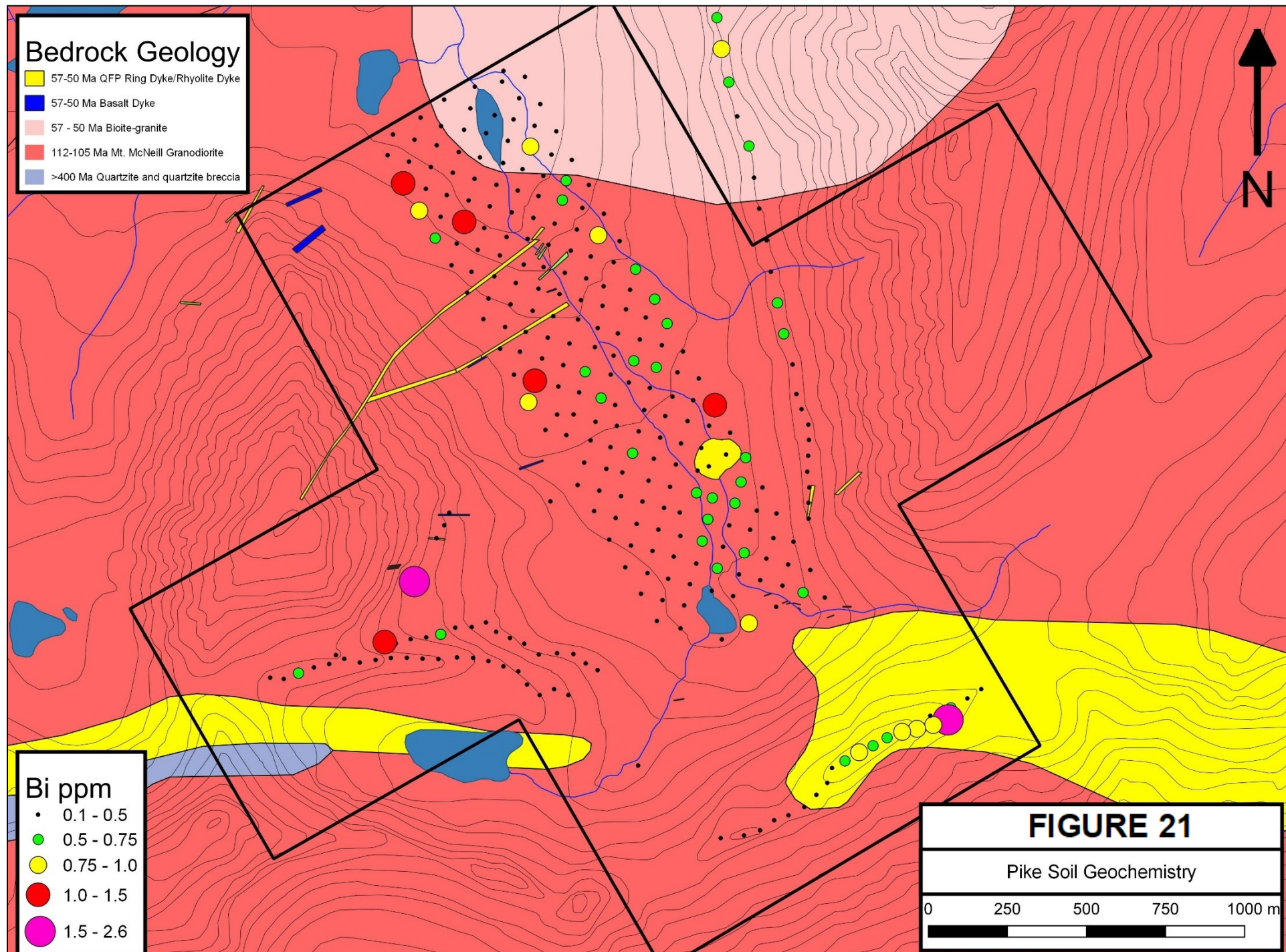


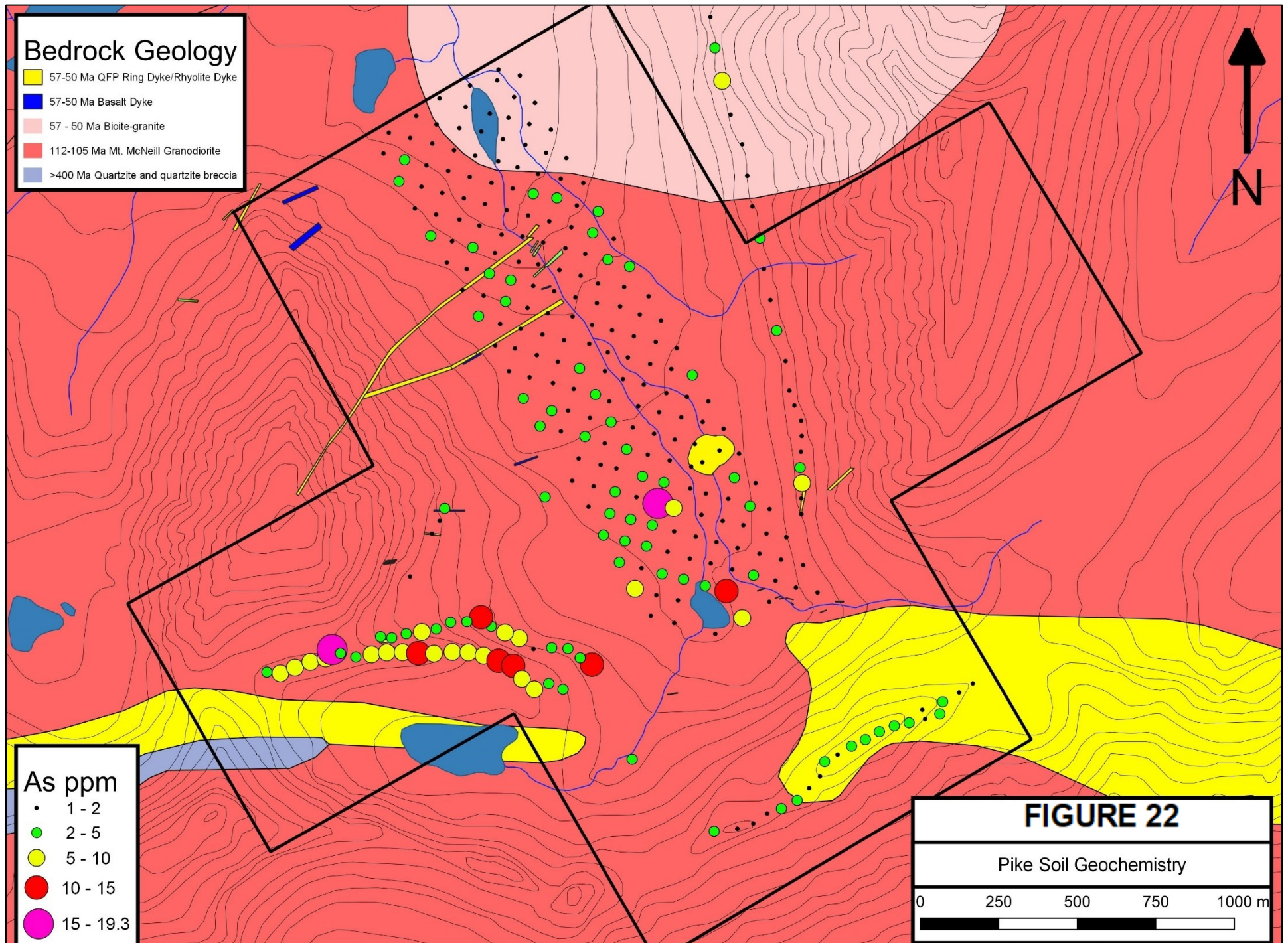












DISCUSSION & CONCLUSIONS

The structurally controlled, polymetallic, vein-hosted mineralization discovered on the Warden and Pike properties is similar to the Skukum Creek deposit located 10 km to the north.

At Skukum Creek, mineralization is hosted primarily within northeast-trending faults and shear zones. The Rainbow and Kuhn zones occur along intermixed andesite and rhyolite dykes, monolithic and heterolithic 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 (Naas and Simpson, 2013).

Mineralization at the Warden and Pike properties is spatially associated with the caldera-bounding ring dyke of the BLVC, two major northeast-trending structures, and dykes on the property. High silver, gold, copper, molybdenum and lead values in quartz veins suggest an intermediate to high-sulfidation setting of mineralization. Elevated copper and molybdenum values in some veins, quartz-carbonate breccias, heterolithic intrusive breccias and pervasive epidote-pyrite veinlets and alteration within granodiorite suggest potential for a buried porphyry system at depth.

Mineralization styles at the Pike and Warden properties is similar to mineralization described at Skukum Creek and warrants further work in order to fully evaluate its geological potential. Encouraging early-stage work has demonstrated that these properties have notable mineral endowment and further discoveries remain to be found, not only on the property, but throughout the entire region.

WORK RECOMMENDATIONS

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

- Relocate and re-sample the Repent, Squeaker, and Confession vein systems within the cirque; continue to prospect along prominent structures identified in drone imagery.

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 and claim staking to join the Warden and Pike properties.
- Focused follow-up of anomalous till and rock results from 2019 and 2020 work.
- An airborne magnetic and very-low frequency electromagnetic (VLF-EM) survey with lines oriented to highlight northeast trending structures and veins.
- Geochemical till sampling on the southwestern portion of the property
- Detailed mapping and follow-up prospecting of anomalous till and rock samples collected in 2019 and 2020.
- Hand-trenching to expose bedrock above the 391 ppb Au till sample collected in 2019.
- Detailed prospecting, mapping and hand-trenching within the Jackpot Zone.
- Detailed prospecting along the Ag-scrree showing and structure.
- Relocate and resample the ERT Zone to the south.

Contingent upon positive results from further work, a preliminary 1,000 m rotary air blast (RAB) drilling program on the most prospective targets is recommended.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Ryan Burke", is written over a light green rectangular background.

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

REFERENCES

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2020

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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.

A handwritten signature in black ink, reading "Ryan Burke", is displayed on a light gray rectangular background.

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

APPENDIX II

STATEMENT OF EXPENDITURES

Statement of Expenditures

Helicopter & Air Transport Costs	\$20,444.12
Contract Staking Costs	\$16,863.00
Assay Costs	\$ 9,640.18
Camp Costs	\$3,000.00
Total Wages Paid	\$14,000.00
Truck/Mileage Costs	\$699.20
Geophysics Equipment Rental	\$3,455.73
Drone Surveying & Imagery Processing, Contracting	\$5,407.60
Miscellaneous Costs (Equipment Rental & WCB Coverage, etc..)	\$756.37
Report Writing Costs	\$1,662.16
<hr/>	
TOTAL EXPENDITURES	\$75,928.36

APPENDIX III

GEOCHEMICAL SAMPLE HANDLING AND ANALYTICAL PROCEDURES

SAMPLE HANDLING AND ANALYTICAL PROCEDURES

All rock and till samples collected during the 2020 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 2020 were marked with 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.

Till Geochemical Samples

All till 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. Till samples were placed into individual pre-numbered kraft paper bags.

The till 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 IV

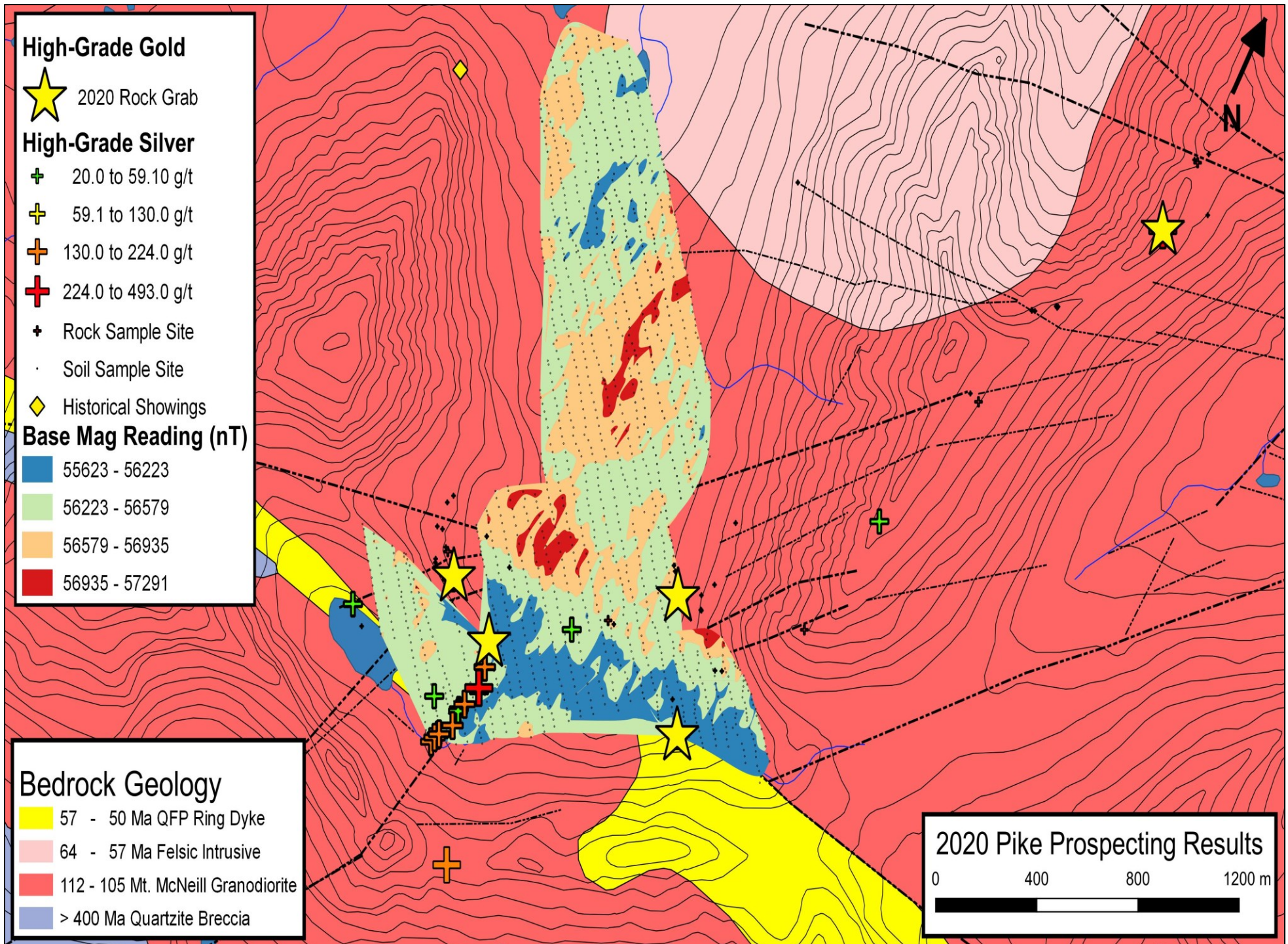
GEOPHYSICAL SURVEY METHODOLOGY & RESULTS

GEOPHYSICAL SURVEY METHODOLOGY

Two GEM-19 Overhauser Magnetometers were used to complete a ground magnetic survey during 2020 fieldwork. One magnetometer was anchored at a fixed location for the entirety of the survey. This unit was used to collect base station measurements used for diurnal corrections during post-processing of magnetic data. The second unit was affixed to an operator via an external aluminium frame. The operator was equipped with a handheld GPS unit in a fixed location on the operator for the duration of the survey. This GPS unit was used to collect coordinate information in conjunction with a station measurement using the mobile rover unit. The total magnetic field (nT) was recorded in a field notebook with the corresponding GPS station. Survey lines were oriented north-northwest with a 50-m line spacing and a 25-m station spacing. 35-line kilometres of geophysical data were recorded corresponding to 1675 station points over 6 days of magnetic surveying.

Rover survey data was collected on August 21, 22, 23, 24, 26, and 28, 2020. Base magnetic readings were collected on August 21, 22, 24, 2020. The base mag unit malfunctioned for the other days and was unable to provide accurate or continual measurement to be used for diurnal correction. Due to this, raw magnetic data is provided in the below figure for the Pike property. Raw point data is contoured using the QGIS contour plugin. Additional processing of magnetic data may be required in order to fully utilize the magnetic data collected during the 2020 field program.

A central magnetic high roughly corresponds to the mapped biotite-hornblende granodiorite, and a magnetic low corresponds roughly to the volcanic ring dyke mapped on the southern portion of the property.



APPENDIX V

DRONE SURVEY METHODOLOGY & RESULTS



DRONE NORTH
Drone Applications Specialists
33 Roundel Rd, Whitehorse,
YT, Canada, Y1A 3H4
T: +1 867 335 5245
E: vbennett@dronelytix.com

Mt WARD UAV SURVEY – SEPTEMBER 2020

TO: Ryan Burke

DATE: Oct 23, 2020

SUBJECT: September 2020 UAV Survey – Mt Ward Quartz Claims

SURVEY AREA

An optical camera drone survey was conducted over three areas of interest in the vicinity of Mt Ward (**Figures 1 and 2**) on Sept 6, 2020. The purpose of the flight was to acquire high resolution orthophotography and digital elevation data to assist mineral exploration activities on the underlying quartz claims. The survey areas are located approximately 60 km SSW of Whitehorse and ~ 30 km west of Carcross. Survey areas were subdivided into North and South blocks. A minor amount of snow cover was present at the higher elevations in both north and south survey areas. **Table 1** summarizes the ground sampling distance/resolution of each survey and expected positional errors with the final image products.

SURVEY AREA	UAV SURVEY METHOD	GROUND_SAMPLING_DISTANCE_cm	MAX_ERROR_h	MAX_ERROR_z
North Block	PPK	13.6 cm	30 cm	45 cm
South Block AOI 1	PPK	5.8 cm	12 cm	24 cm
South Block AOI 1	PPK	12.5 cm	25.0	40 cm

Table 1: Survey Areas Ground Sampling Distance and expected positional errors on final imagery products

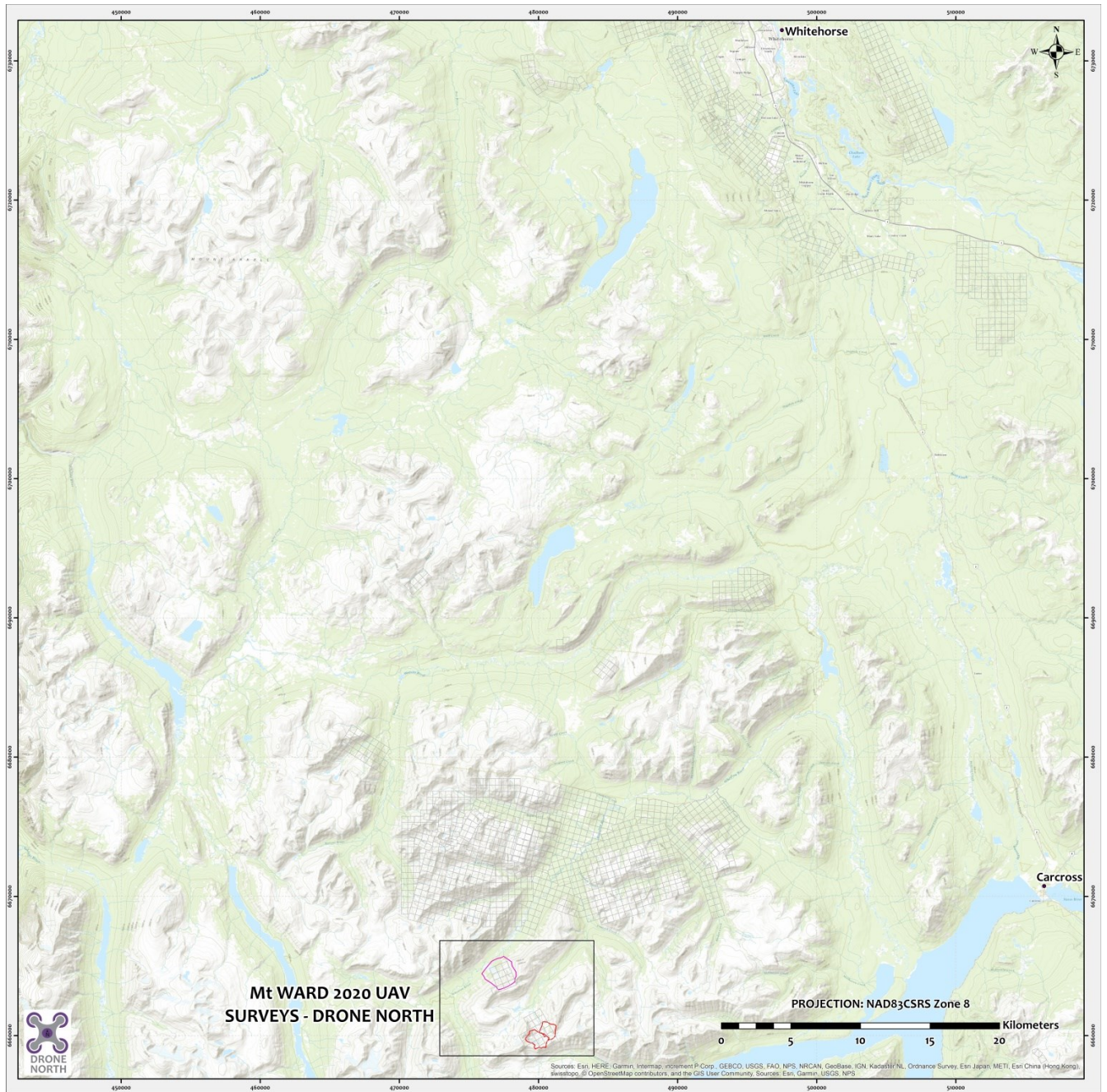


Figure 1: Location of Mt Ward Area UAV surveys, Sept 2020.

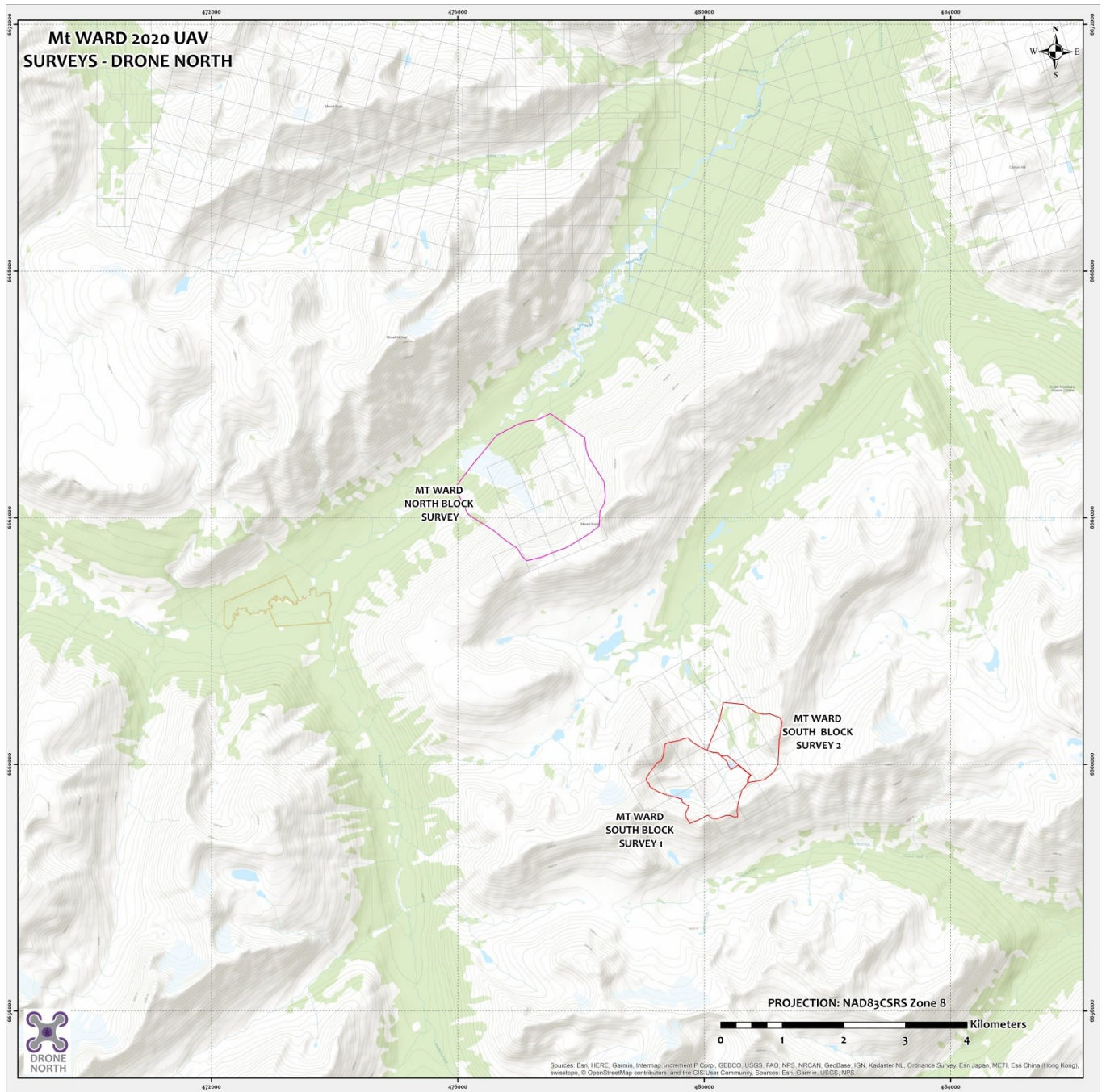


Figure 2: Location of Mt Ward Area North and South block UAV surveys, Sept 2020.

EQUIPMENT

A DJI Phantom 4 Pro (P4P) optical 20mp camera drone with an upgraded L1 receiver was used to conduct the survey. The P4P pro is unique among consumer drones in that it is characterized by a global or mechanical shutter which is a necessary requirement for accurate photogrammetric models. Most all other consumer UAVs on the market feature rolling shutters which introduce significant distortion and error into UAV final data products.

A multi - frequency Sunnav G10 base station was set to allow for post processing kinematic corrections of the UAV rover receiver positional information. Post processing in this manner significantly reduces the need for extensive ground control. Using this method, positional error on post-processed photo centers is general between 5 – 10 cm in X, Y and Z. The rover GNSS upgrade consists of an EMLid reach M+ L1 receiver and a Tallysman antenna which is positioned approximately 23 cm vertically above the camera center. No antenna deviation in X and Y occurs with this configuration.

To determine final photogrammetric model errors, 12 ground control points were established prior to mission execution. Ground control points were collected using two different models of GNSS receivers including:

Badelf Surveyor Pro L1 receiver (raw GNSS static data post processed to Sunnav G10 multi-frequency base)

Topcon Hyper Plus dual frequency L1/L2 receiver (raw GNSS static data post processed to Sunnav G10 multi-frequency base)

GROUND CONTROL POINT PRECISION

Ground control point data for all points measured during the Mt Ward UAV surveys are presented in **Table 2** Fixed solutions were attained for all control markers.

GCP_ID	SOLUTION	N83CSRSz8_E	N83CSRSz8_N	N83CSRSz8_OrthoH	N83CSRS_LAT	N83CSRS_LONG	N83CSRS_ELLIPh	H_Prec_Obs_m	V_Prec_Obs_m	Date_Obs	Time_Obs
gcp1skuk	Fixed	477804.18	6663617.93	2054.10	60.10901	-135.39925	2062.58	0.007	0.011	9/6/2020	8:05:14 AM
htt2	Fixed	477668.87	6663553.88	2042.98	60.10842	-135.40168	2051.48	0.002	0.005	9/6/2020	7:57:20 AM
log0906o_87B4	Fixed	477773.32	6664318.98	1881.55	60.11530	-135.39988	1890.04	0.002	0.005	9/6/2020	7:57:20 AM
log0906o_JTOG	Fixed	477634.15	6663561.49	2041.68	60.10849	-135.40230	2050.18	0.003	0.005	9/6/2020	7:59:09 AM
log0906p_7W8W	Fixed	477459.91	6663879.98	1597.14	60.11134	-135.40547	1605.65	0.008	0.016	9/6/2020	8:02:11 AM
log0906p_JTOG	Fixed	477415.93	6663529.13	2037.78	60.10819	-135.40622	2046.29	0.004	0.005	9/6/2020	8:40:46 AM
log0906q_7W8W	Fixed	476918.39	6664506.47	1363.54	60.11693	-135.41528	1372.08	0.005	0.010	9/6/2020	9:31:24 AM
log0906q_87B4	Fixed	477719.14	6664902.36	1493.50	60.12053	-135.40092	1502.00	0.007	0.013	9/6/2020	9:35:02 AM
log0906r_7W8W	Fixed	479650.47	6659861.77	1866.34	60.07537	-135.36567	1874.77	0.005	0.007	9/6/2020	10:47:28 AM
log0906r_87B4	Fixed	480144.11	6659963.57	1690.51	60.07631	-135.35681	1698.92	0.036	0.054	9/6/2020	10:54:08 AM
log0906s_7W8W	Fixed	480569.73	6660107.12	1663.37	60.07762	-135.34917	1671.75	0.054	0.067	9/6/2020	11:31:33 AM
log0906t_87B4	Fixed	481207.79	6660666.70	2112.08	60.08268	-135.33776	2120.44	0.008	0.012	9/6/2020	12:33:14 PM

Table 2: Precision statistics of ground control data, Mt Ward UAV surveys

Precise ground control is a crucial component of any photogrammetry survey. A model can only be as accurate as the maximum error values attained on the ground control. Final UAV survey image data products cannot be greater than the precision of the ground control points. Drone camera surveys are capable of acquiring very high resolution imagery (cm to mm scale) and therefore very precise (cm – mm) ground control point data is necessary to constrain photogrammetric models. In addition to Table 2, ground control point data are provided as both an excel spreadsheet and as an ArcGIS shape file (Nad83 CSRS z8 projection).

UAV MISSION SPECIFICATIONS

Mission parameters for all drone surveys and summaries of photogrammetric model results are outlined for each survey area below. Subsequent to mission execution all base and rover GNSS data are processed using PPK methods. Photo EXIF coordinates are then updated with the new rover positional results. The photos and ground control data are then imported into photogrammetry software (Agisoft Metashape Professional v. 1.6) and used to build a dense point cloud. The point cloud data are then used to create a series of imagery products including 3D meshes, DEMS and orthophotos. All data were processed in the WGS84 datum and subsequently transformed into the NAD83CSRS zone 8 projection.

The general rules of thumb for assessing UAV model accuracy are for PPK drone surveys:

Final model horizontal accuracy should be within 2 x the ground sampling distance

Final model vertical accuracy should be within 3 x the ground sampling distance

NORTH BLOCK UAV SURVEY

Four overlapping UAV missions were flown with a NADIR camera angle and at a constant elevation of 190 m above take off location. Terrain following was not used in these missions due to the steepness of the terrain which exceeded DJI height above and below take off restrictions. Each mission acquired photographs with 85 percent front overlap and 75 percent side overlap (**Figure 3**). This configuration permits a ground sampling distance of ~ 13.6 cm. Six ground control points were collected during UAV surveying to assess final photogrammetric model accuracy (**Figure 4**).

Photogrammetry Results

A point cloud was processed to generate a digital elevation model with a resolution of ~ 13.6cm and final orthophoto of ~ 13.6 cm GSD. The model statistics (**Table 3**) falls within the acceptable levels of accuracy/ positional tolerance for the mission specifications as outlined above. **Figures 5-7** illustrate the final DEM, the orthophotograph and a derivative hillshade image product generated from this UAV survey.

GCP_ID	LONGITUDE ERROR (m)	LATITUDE ERROR (m)	ALTITUDE ERROR (m)	TOTAL ERROR(RMS) m
NORTH BLOCK (GSD 13.6 cm)				
gcp1 skuk	-0.061	0.069	0.131	0.160
log0906o_87B4	0.017	0.015	-0.003	0.023
log0906o_JTOG	-0.001	-0.022	0.017	0.028
log0906p_JTOG	-0.014	-0.026	0.006	0.030
log0906q_7VW8W	-0.006	-0.036	-0.194	0.197
log0906q_87B4	0.004	-0.001	0.005	0.006
TOTAL MODEL ERRORS				TOTAL RMSE
Control points	0.013	0.017	0.005	0.022
Check points	0.035	0.047	0.136	0.148

Table 3: Photogrammetric model accuracy data – Mt Ward North Block

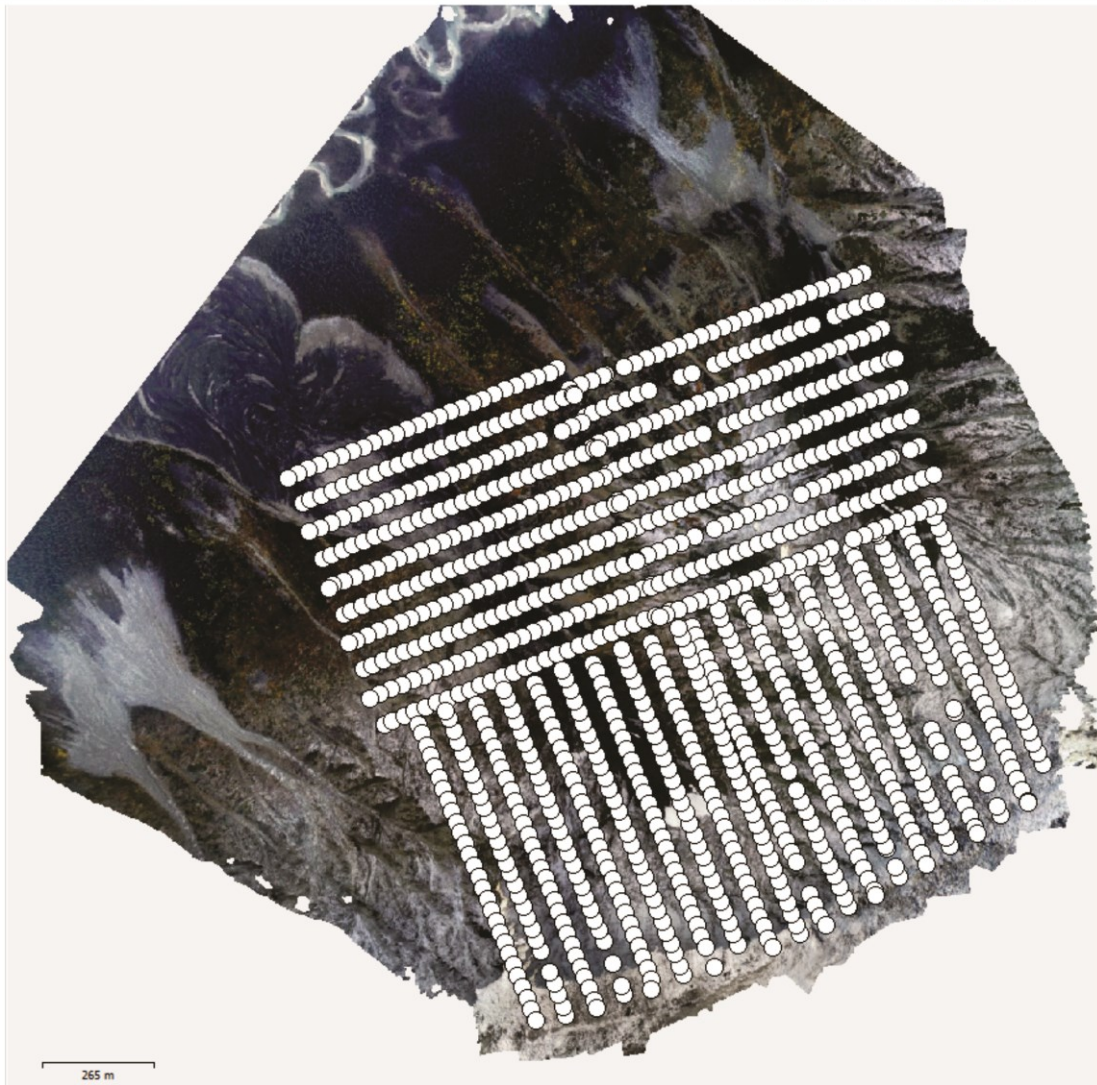
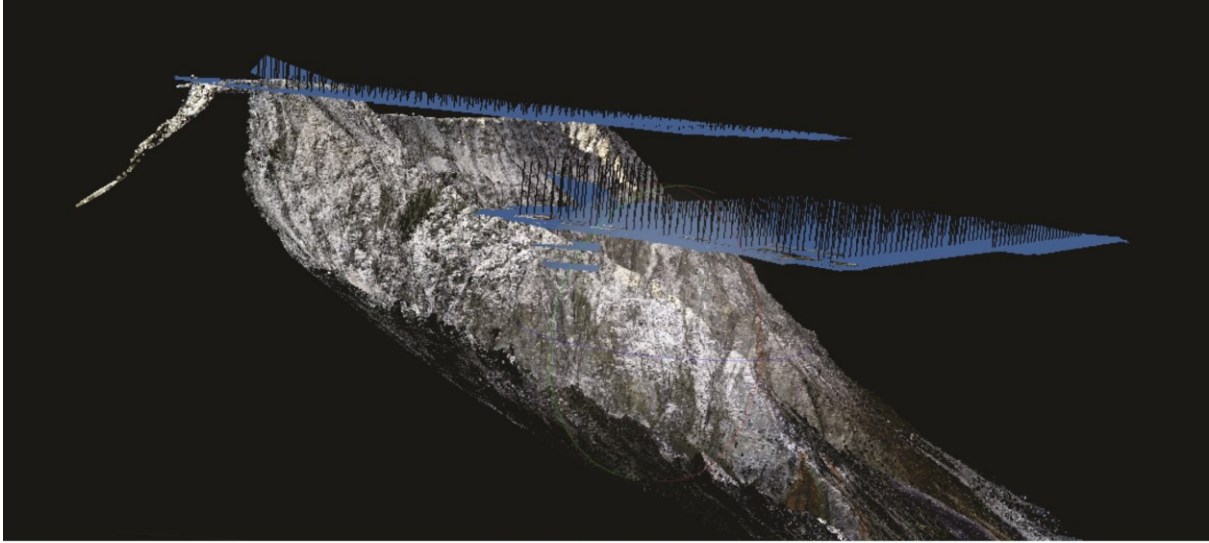


Figure 3: Location of Mt Ward North Block UAV missions and photo centers

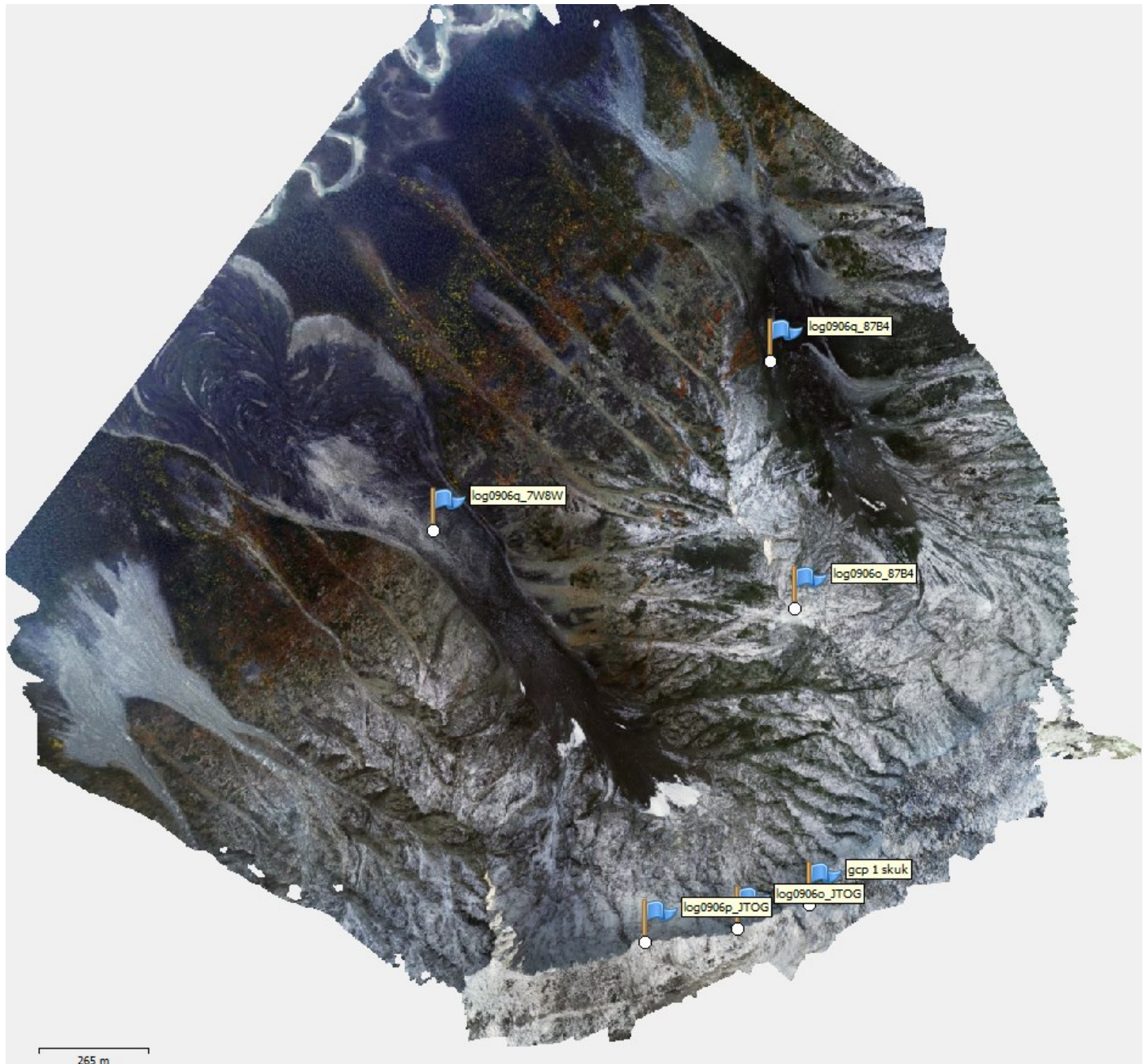


Figure 4: Location of Mt Ward North Block Ground Control Points

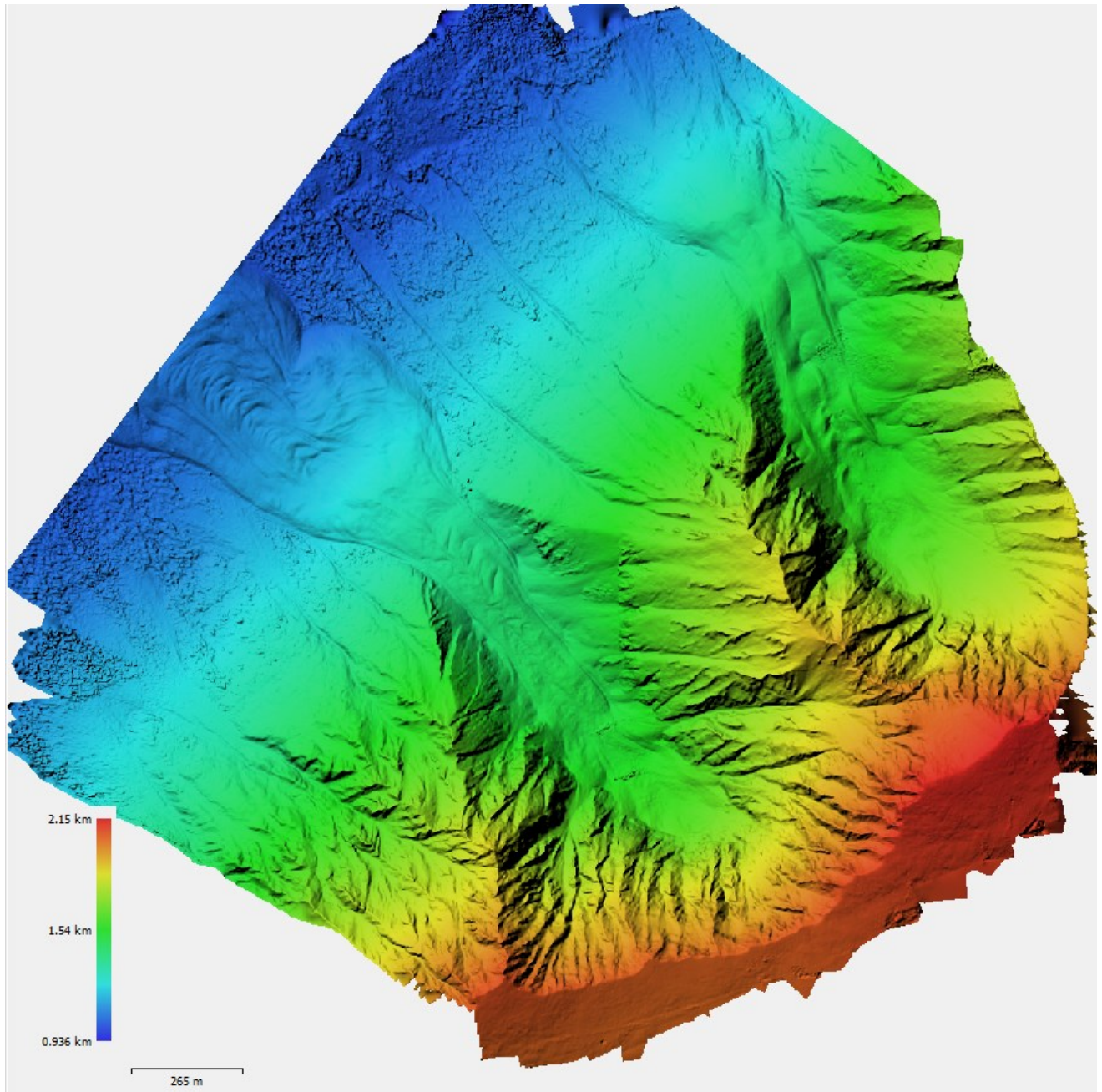


Figure 5: Location of Mt Ward North Block – 13.6 cm resolution DEM

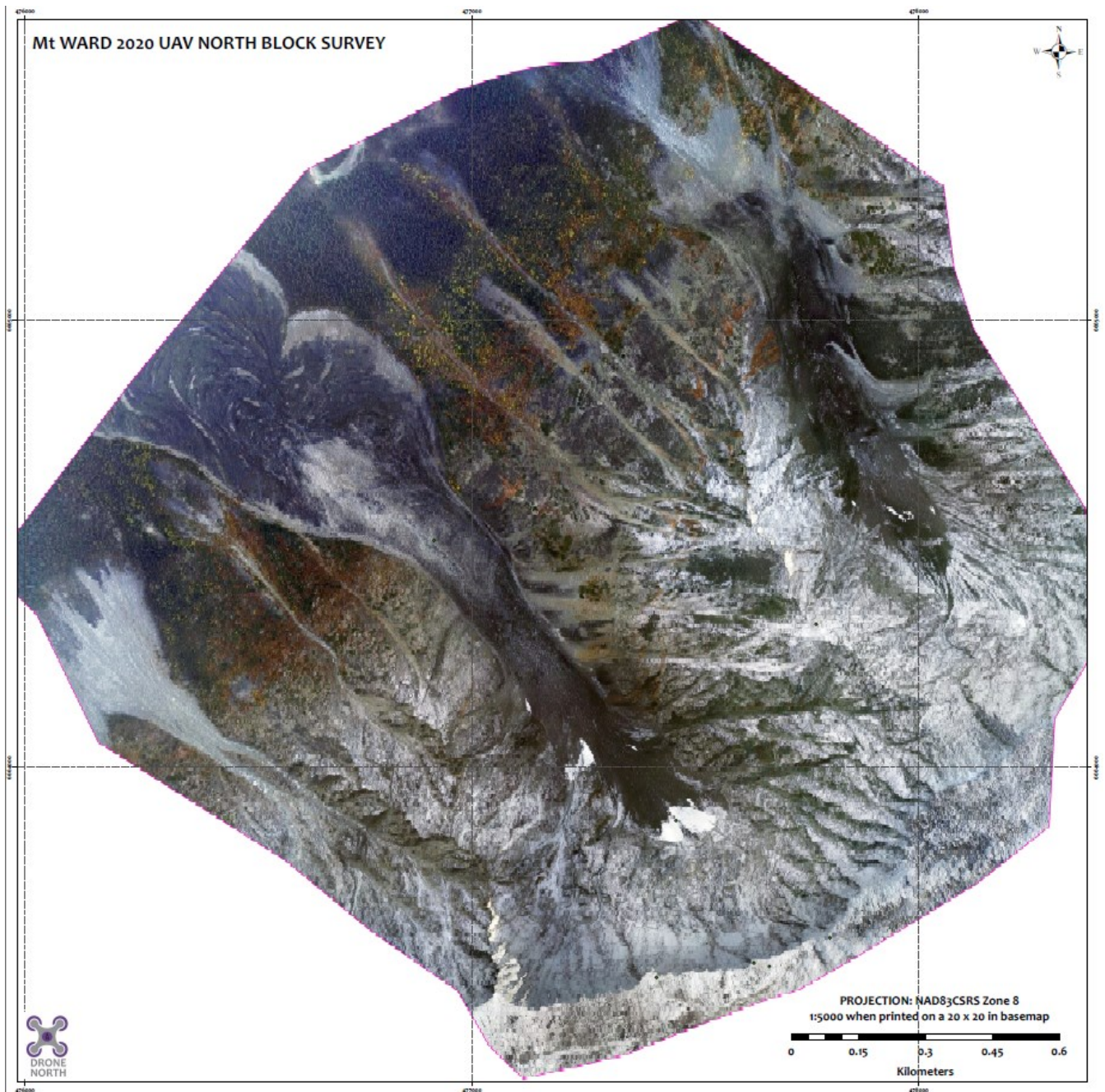


Figure 6: Location of Mt Ward North Block – 13.6 cm resolution Orthophoto

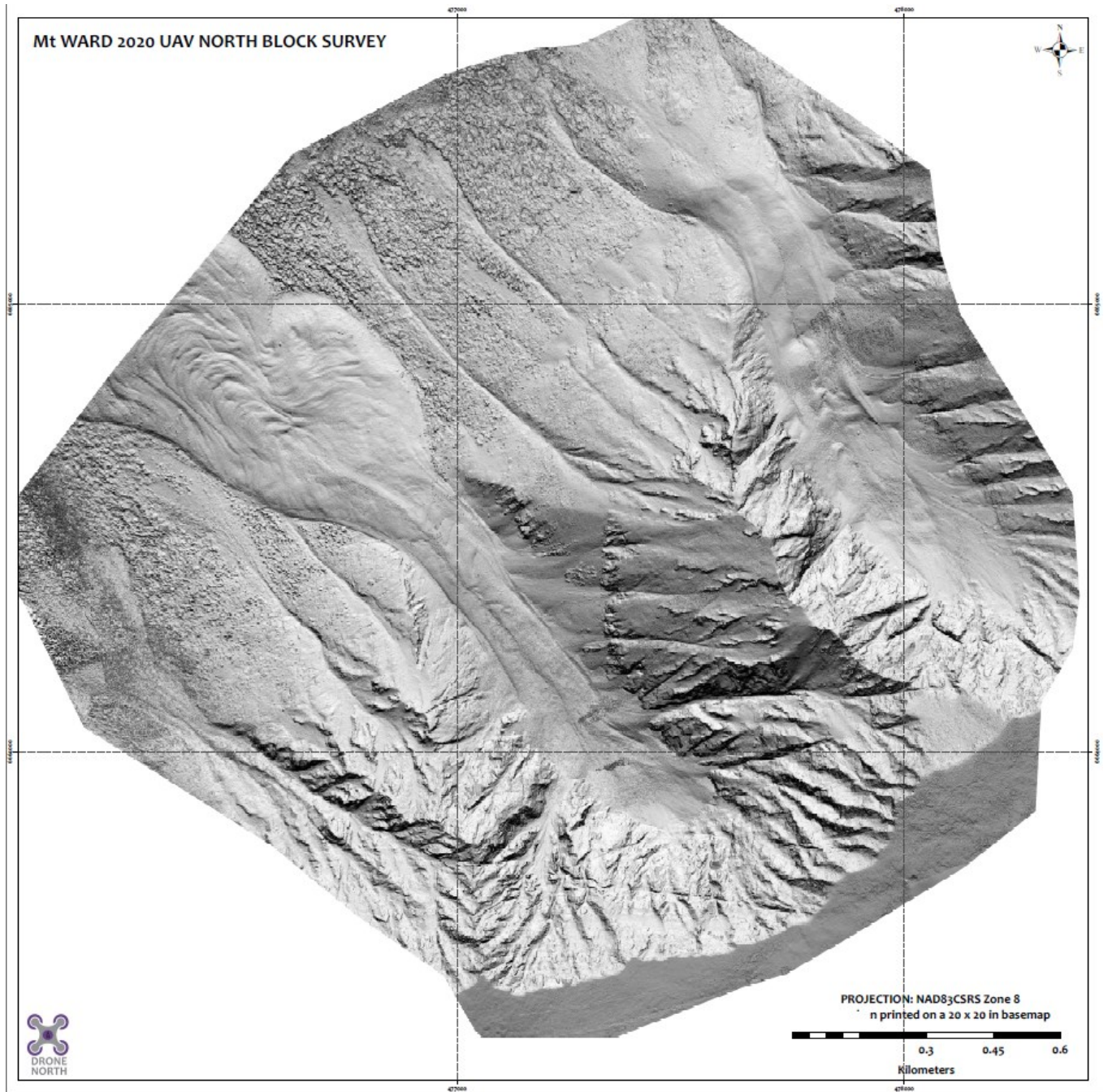


Figure 7: Location of Mt Ward North Block – 13.6 cm resolution Hillshade (Azimuth 0°)

SOUTH BLOCK 1 UAV SURVEY

Two overlapping UAV missions were flown with a NADIR camera angle and at an elevation of 185 m above ground level. Each mission acquired photographs with 85 percent front overlap and 75 percent side overlap (**Figure 8**). This configuration permits a ground sampling distance of ~ 5.8 cm. Two ground control points were collected during UAV surveying to assess final photogrammetric model accuracy (**Figure 9**).

Photogrammetry Results

A point cloud was processed to generate a digital elevation model with a resolution of ~ 11.6cm and final orthophoto of ~ 5.8cm GSD. The model statistics (**Table 4**) falls within the acceptable levels of accuracy/ positional tolerance for the mission specifications as outlined above. **Figures 10-12** illustrate the final DEM, the orthophotograph and a derivative hillshade image product generated from this UAV survey.

GCP_ID	LONGITUDE ERROR (m)	LATITUDE ERROR (m)	ALTITUDE ERROR (m)	TOTAL ERROR(RMS)_m
SOUTH BLOCK AOI 1 (GSD 5.8 cm)				
log0906r_7W8W	-0.006	0.149	-0.153	0.214
log0906r_87B4	0.055	0.076	0.008	0.094
TOTAL MODEL ERRORS				TOTAL RMSE
Control points	0.055	0.076	0.008	0.094
Check points	0.006	0.149	0.153	0.214

Table 4: Photogrammetric model accuracy data – Mt Ward South Block 1

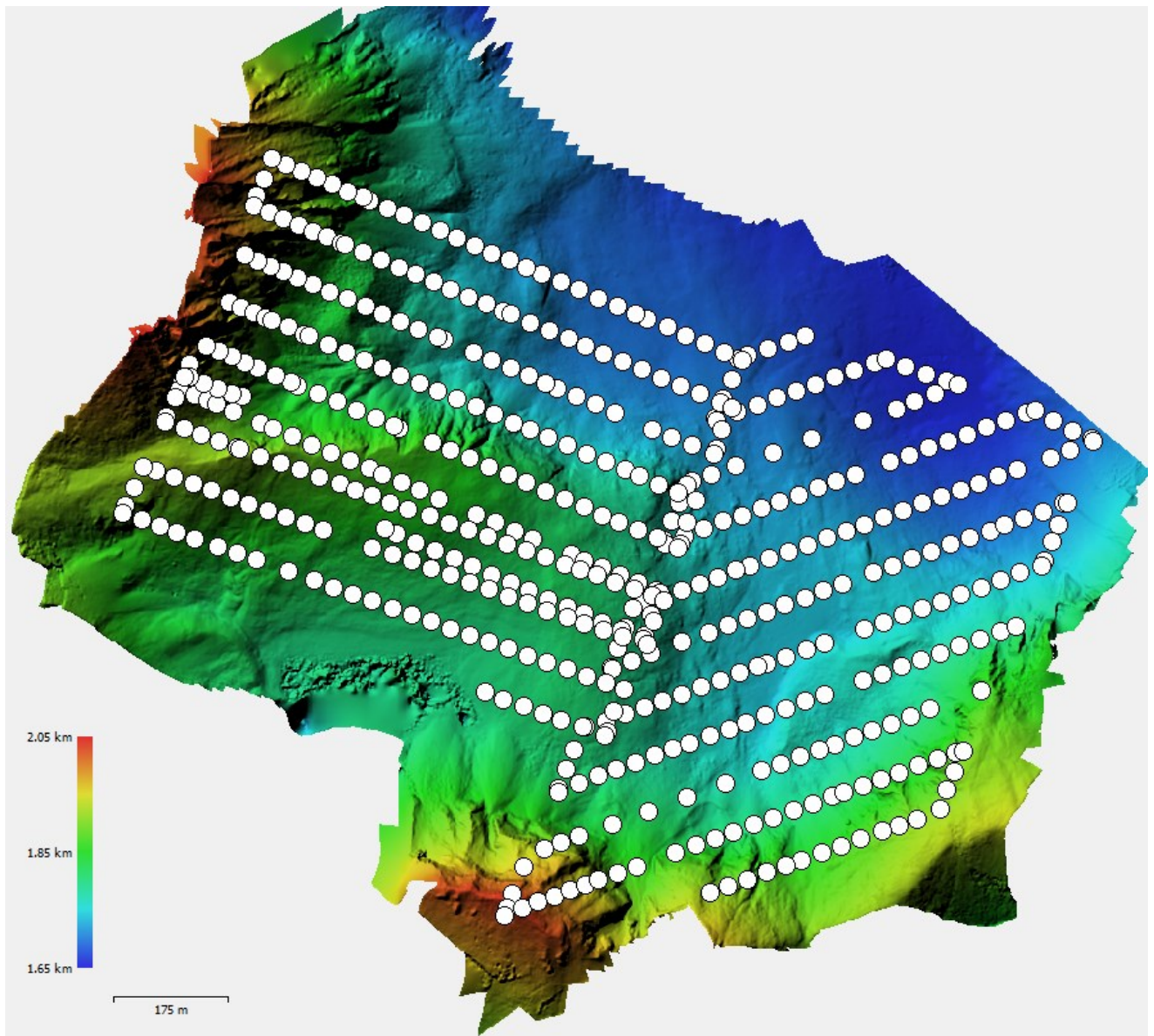
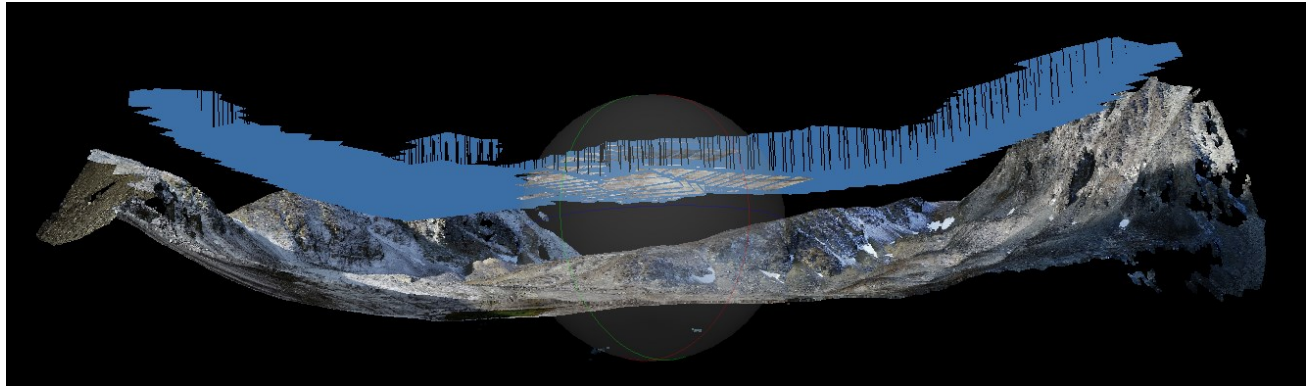


Figure 8: Location of Mt Ward South Block AOI 1 UAV missions and photo center

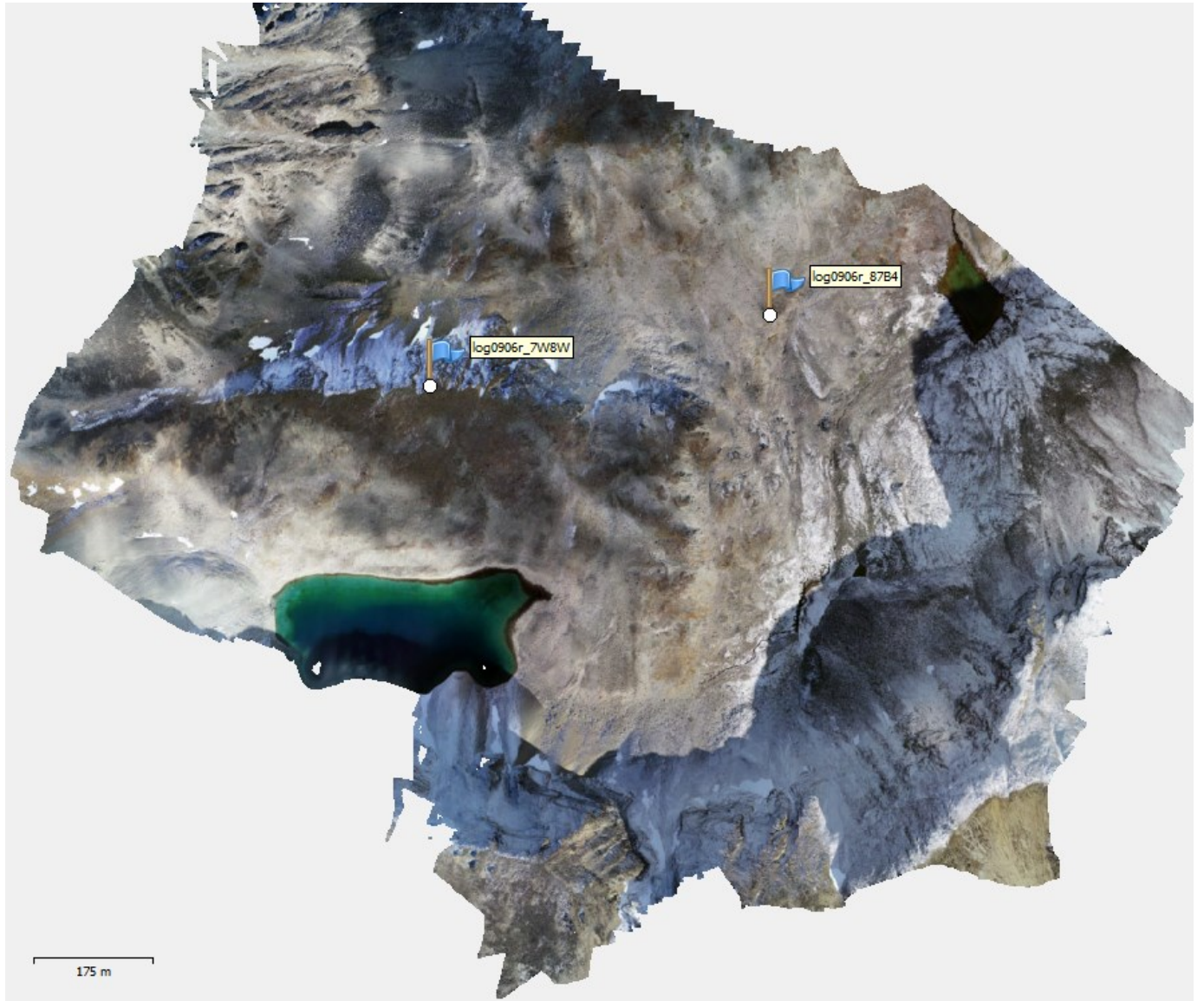


Figure 9: Location of Mt Ward South Block 1 Ground Control Points

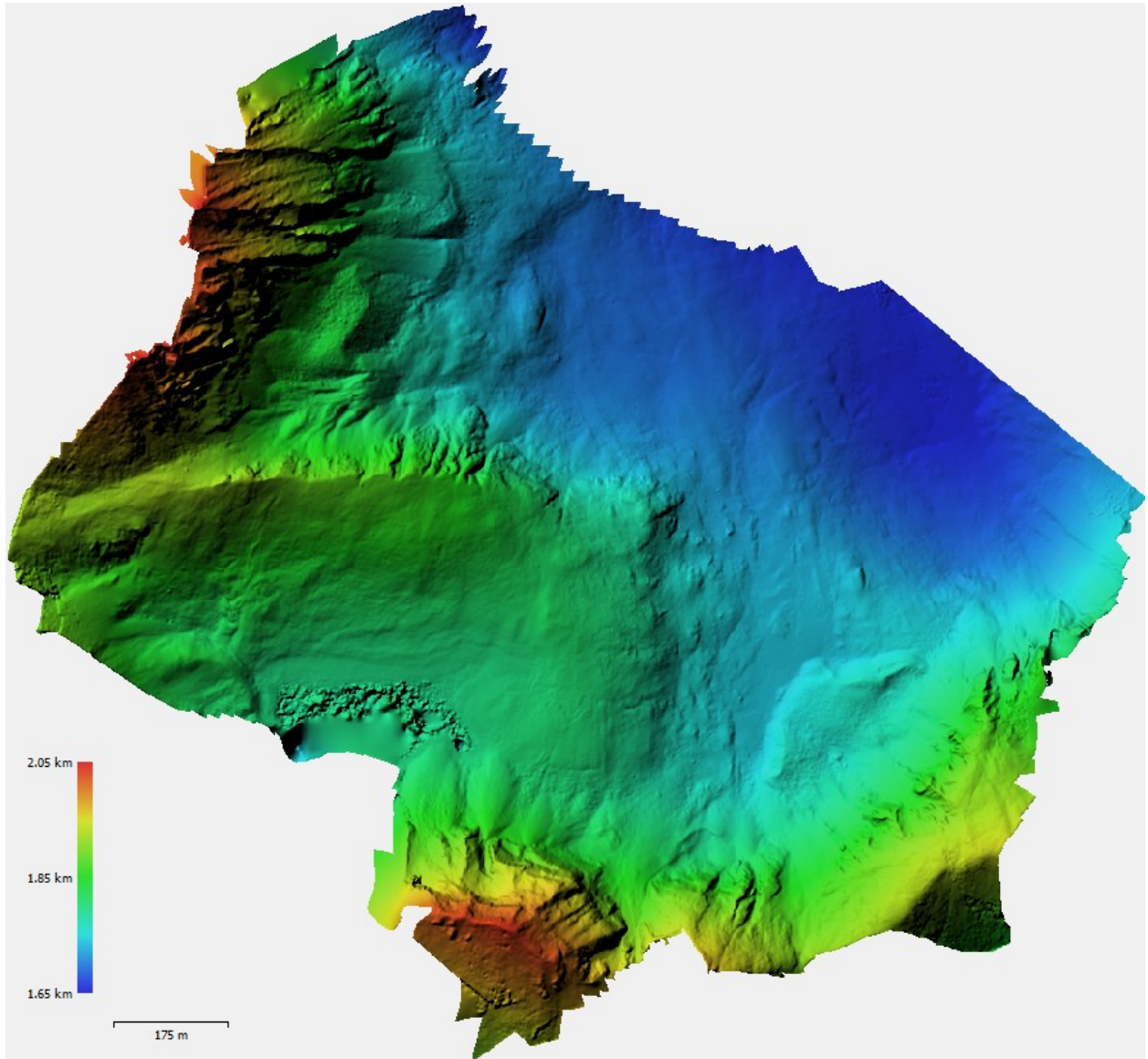


Figure 10: Location of Mt Ward South Block AOI 1– 11.6 cm resolution DEM

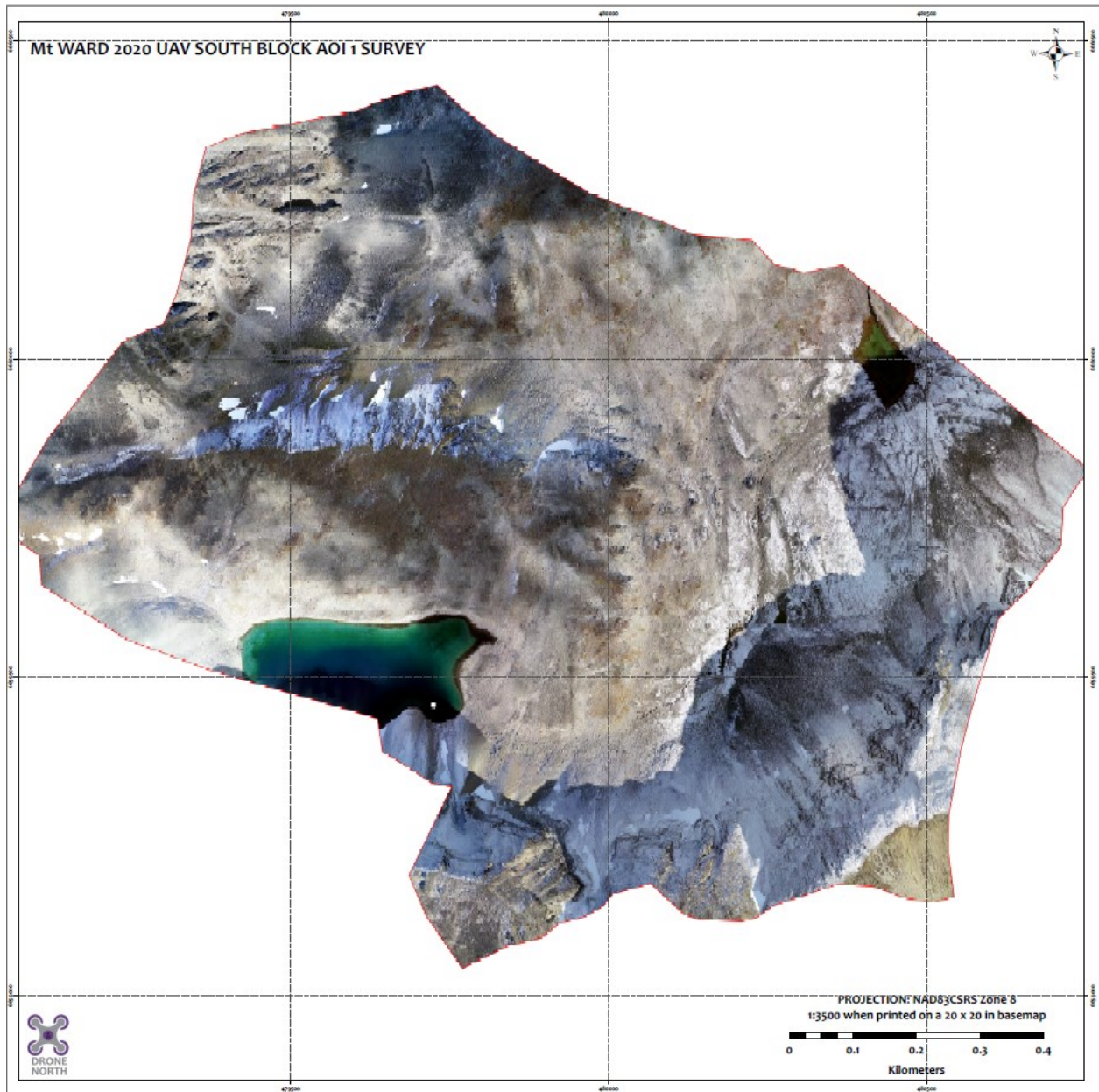


Figure 11: Location of Mt Ward South Block AOI 1 – 5.8cm resolution Orthophoto

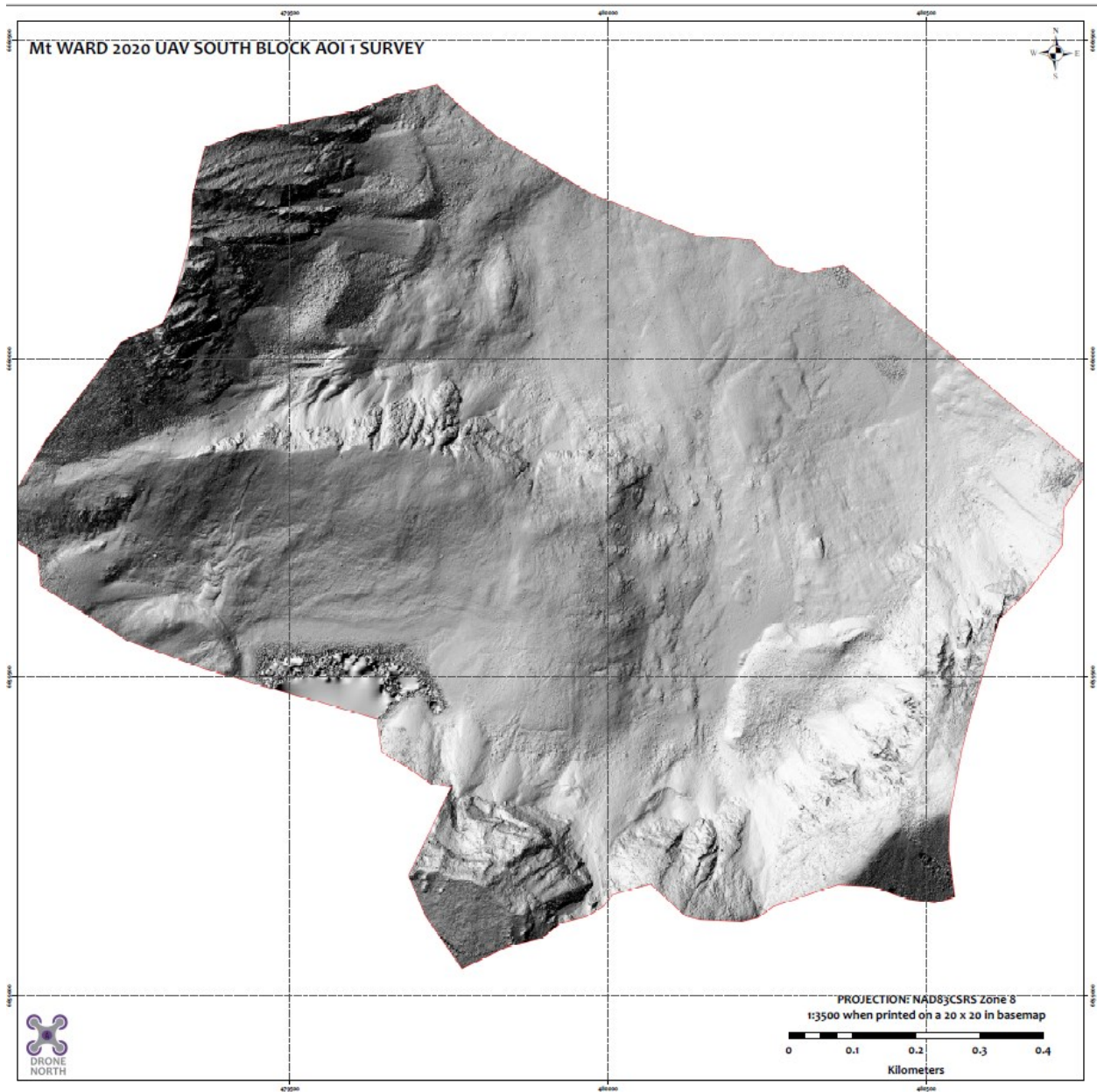


Figure 12: Location of Mt Ward South Block AOI 1 – 11.6cm resolution Hillshade (Azimuth 315°)

SOUTH BLOCK 2 UAV SURVEY

A single UAV mission was flown with a NADIR camera angle and at a constant elevation of 190 m above take off location. Terrain following was not used in these missions due to the steepness of the terrain which exceeded DJI height above and below take off restrictions. Photographs were acquired with 85 percent front overlap and 75 percent side overlap (**Figure 13**). This configuration permits a ground sampling distance of ~ 12.5 cm. Two ground control points were collected during UAV surveying to assess final photogrammetric model accuracy (**Figure 14**).

Photogrammetry Results

A point cloud was processed to generate a digital elevation model with a resolution of ~ 13.6cm and final orthophoto of ~ 13.6 cm GSD. The model statistics (**Table 5**) falls within the acceptable levels of accuracy/ positional tolerance for the mission specifications as outlined above. **Figures 15-17** illustrate the final DEM, the orthophotograph and a derivative hillshade image product generated from this UAV survey.

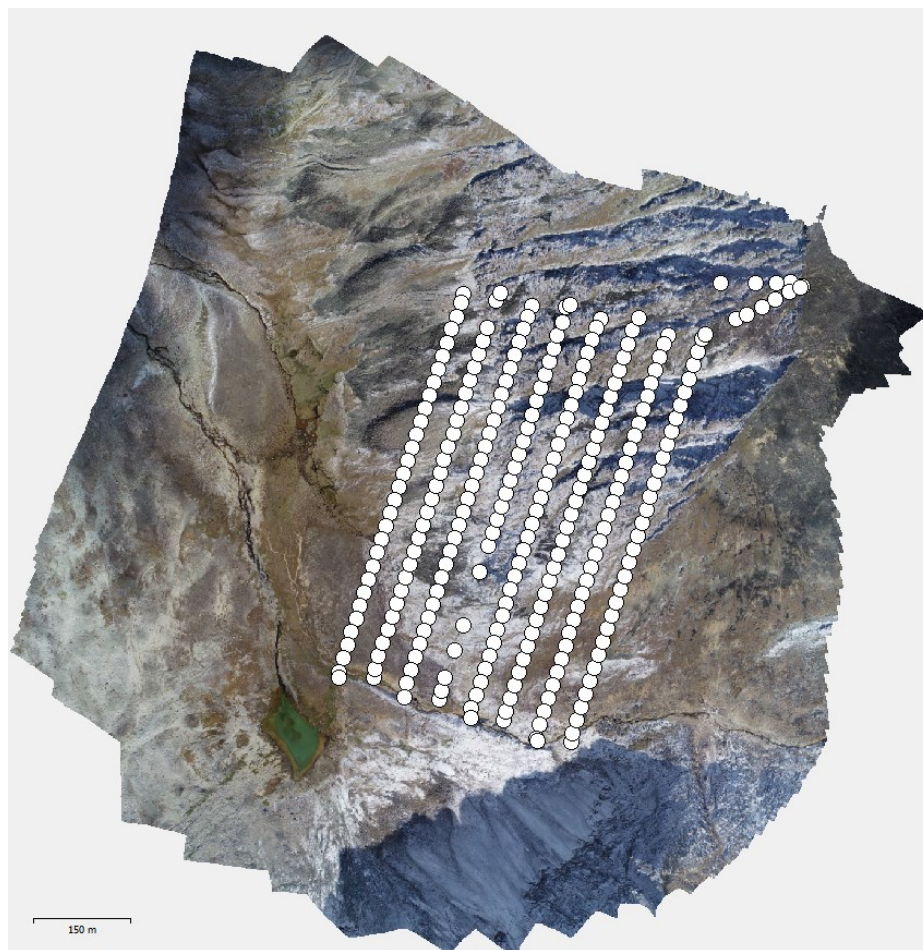
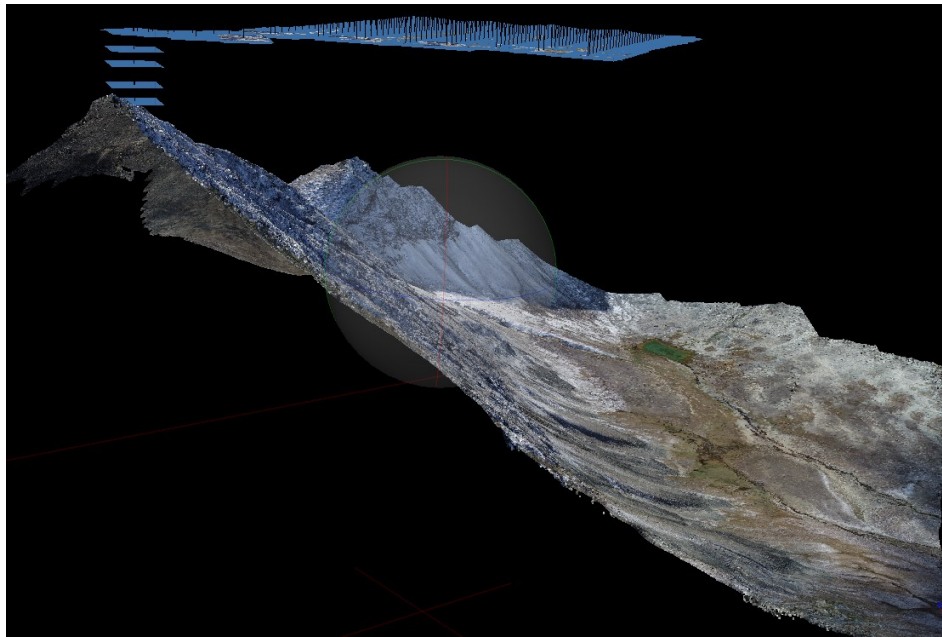


Figure 13: Location of Mt Ward South Block AOI 2 UAV missions and photo centers

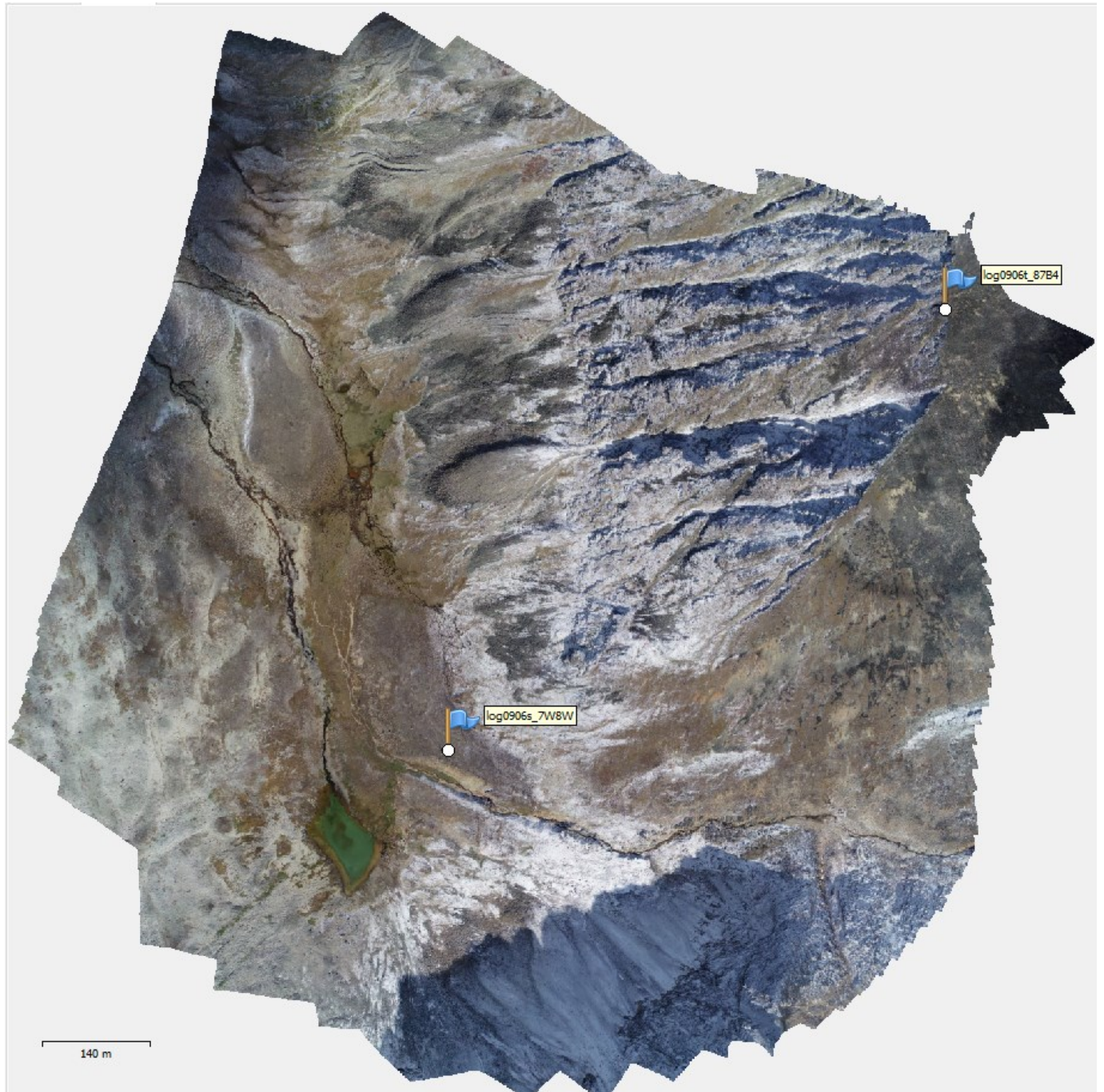


Figure 14: Location of Mt Ward South Block AOI 2 Ground Control Points

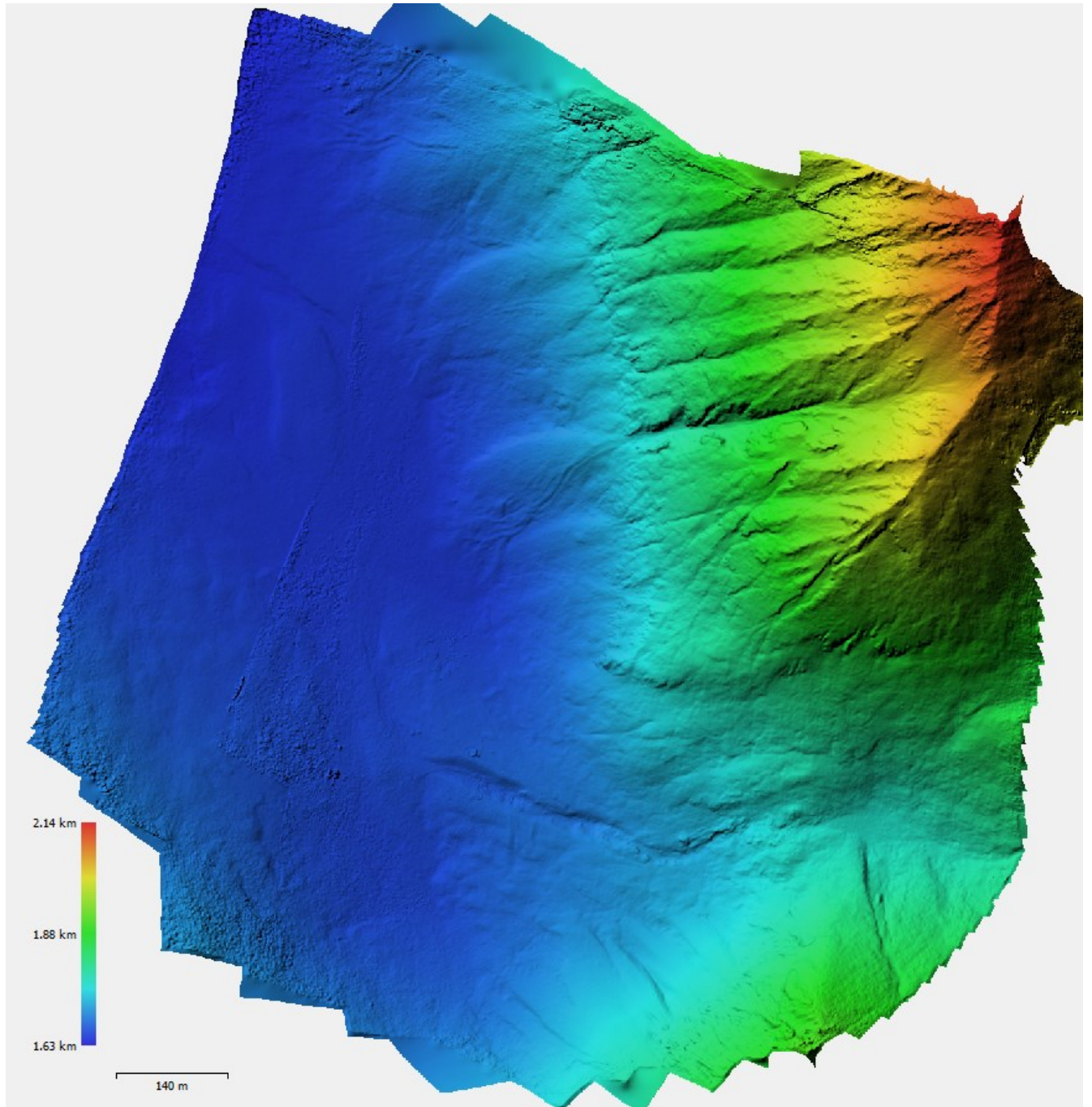


Figure 15: Location of Mt Ward South Block AOI 2 – 25,1 cm resolution DEM

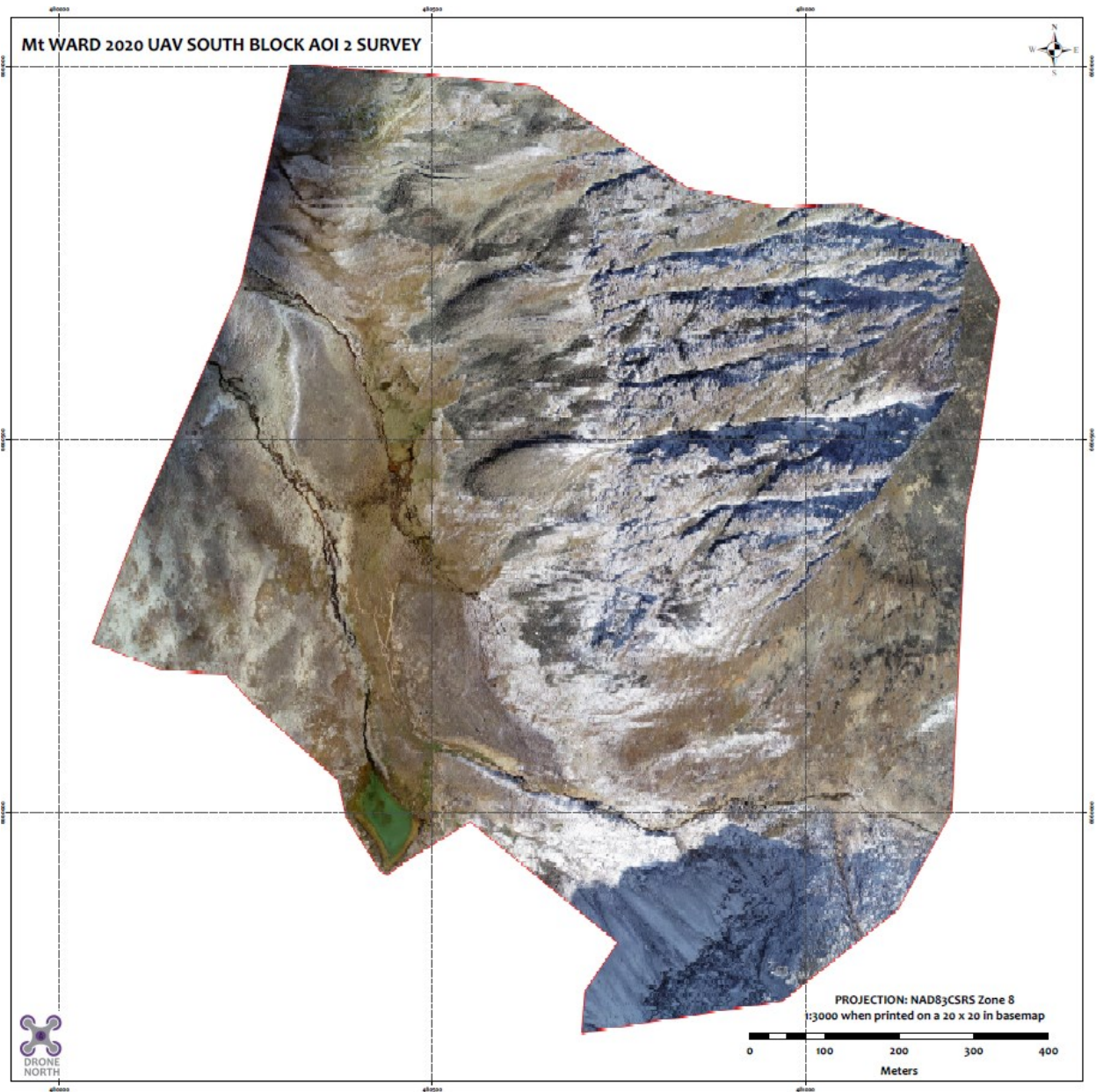


Figure 16: Location of Mt Ward South Block 2 – 12.5cm resolution Orthophoto

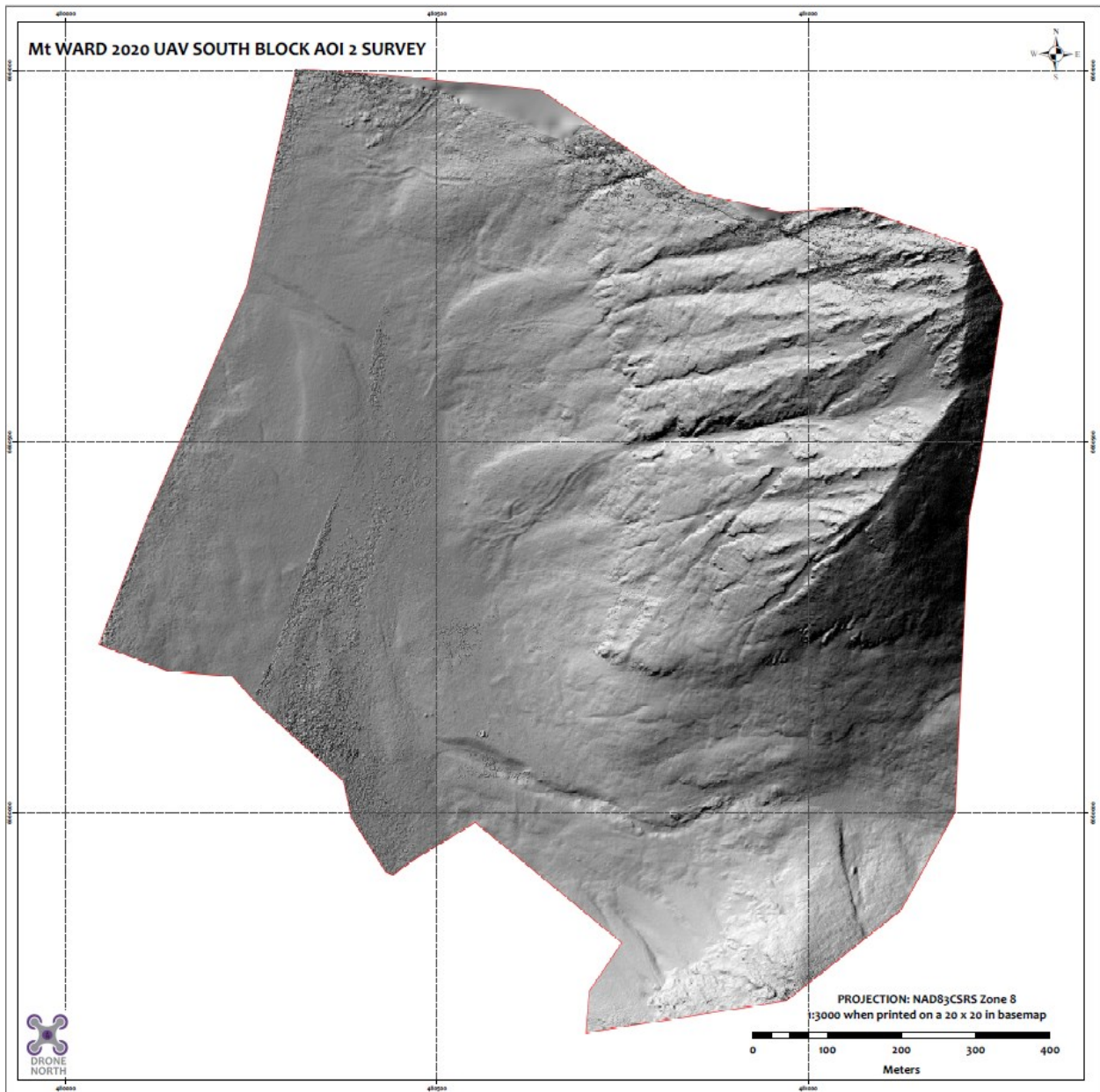


Figure 17: Location of Mt Ward South Block 2 – 25cm resolution Hillshade (Azimuth 315°)

DELIVERABLES

Deliverables provided include digital elevation models in geoTIFF grid format, orthophotographs in geoTIFF raster format and hillshade imagery for each block surveyed in the Mt Ward area. Excel spreadsheets of ground control data and photogrammetric model errors are also provided. All data has been prepared in NAD83 CSRS zone 8 datum and projection.

APPENDIX VI
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:

August 31, 2020

Analysis Start:

October 02, 2020

Report Date:

October 09, 2020

Page:

1 of 3

CERTIFICATE OF ANALYSIS

WHI20000343.1

CLIENT JOB INFORMATION

Project: WARDEN
Shipment ID:
P.O. Number
Number of Samples: 42

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

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

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

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	42	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ201	42	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	42	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS


JEFFREY CANNON
Geochemistry Department Supervisor

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



Bureau Veritas Commodities Canada Ltd.

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Project: WARDEN
Report Date: October 09, 2020

Page: 2 of 3

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI20000343.1

Method	WGHT	AQ201	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
1809018	Rock	0.74	175.1	110.8	3.6	4	7.8	2.8	3.9	32	4.15	1.9	1.9	21.0	<0.1	2	<0.1	0.1	1.0	5	<0.01
1809019	Rock	0.45	78.5	463.3	1.8	8	2.2	52.2	35.5	52	12.06	10.2	1.6	10.4	0.2	2	<0.1	0.2	0.4	11	0.02
1809020	Rock	0.86	3.8	4.3	16.3	4	<0.1	0.8	0.3	32	1.09	1.5	0.8	1.1	7.6	2	<0.1	0.1	<0.1	<1	0.01
1809021	Rock	0.86	3.0	2.4	23.1	45	0.2	0.3	0.8	546	1.21	7.4	3.3	1.5	10.1	2	<0.1	0.1	0.2	<1	0.03
1809022	Rock	1.44	1.0	13.2	10.6	322	0.2	8.9	14.7	1913	4.22	3.1	1.6	0.7	6.0	108	1.0	<0.1	1.1	78	1.85
1809023	Rock	0.40	2.1	9.6	12.9	195	0.1	3.7	16.8	2369	4.82	5.4	2.5	0.9	3.1	142	0.3	0.3	0.2	62	2.51
1809024	Rock	0.62	10.3	14.9	18.9	270	0.5	3.2	16.7	2729	5.05	26.8	18.9	5.0	4.3	12	1.2	0.4	0.4	39	0.29
1809025	Rock	0.62	51.1	5.9	14.2	125	1.1	1.4	9.7	370	4.75	73.3	14.8	62.9	4.6	18	0.3	0.9	0.2	63	0.44
1809026	Rock	0.80	3.0	1.2	6.5	11	<0.1	0.3	0.2	45	0.70	8.9	1.0	80.0	6.8	2	<0.1	0.2	0.1	1	0.10
1809027	Rock	0.48	4.4	84.7	31.6	48	0.8	2.7	44.4	623	9.24	19.7	0.9	9.6	3.9	10	0.2	0.2	0.6	69	0.34
1809028	Rock	0.80	2.3	151.4	22.5	50	0.9	4.2	97.2	624	9.99	53.9	1.4	6.0	3.9	8	0.1	0.2	0.5	50	0.26
1809029	Rock	1.00	2.4	190.4	27.0	66	0.9	5.3	118.9	832	12.76	35.0	1.3	6.3	3.2	7	0.2	0.2	0.7	58	0.21
1809030	Rock	0.56	4.3	11.7	12.5	25	0.3	0.4	0.8	48	1.09	2.6	1.5	11.9	9.3	37	<0.1	0.2	0.1	1	0.31
1809031	Rock	0.60	4.0	11.5	14.8	27	0.2	4.6	2.6	162	2.70	0.5	10.1	1.2	8.3	40	<0.1	<0.1	0.1	37	0.15
1809032	Rock	0.48	3.6	8.7	16.2	78	0.2	6.4	9.9	585	4.72	1.4	12.2	2.7	5.5	39	<0.1	<0.1	0.1	70	0.34
1809033	Rock	0.76	3.1	16.9	23.5	33	0.1	2.2	8.0	712	1.87	0.8	12.9	1.8	17.0	17	0.3	<0.1	0.1	10	0.20
1809034	Rock	0.94	3.5	6.0	24.7	3	<0.1	0.2	0.3	32	1.07	1.1	0.8	1.3	7.5	5	<0.1	<0.1	<0.1	2	<0.01
1809035	Rock	1.04	168.4	8.3	38.1	100	0.2	10.6	32.9	3710	10.92	21.6	0.8	3.3	2.0	189	0.5	0.3	0.2	71	11.41
1809036	Rock	0.47	2.0	3.8	7.9	47	0.9	1.2	2.2	211	0.73	14.2	1.6	38.1	2.2	150	0.3	0.2	0.2	18	2.27
1809037	Rock	0.87	1.2	3.3	7.5	47	0.5	2.6	3.9	312	1.28	8.5	1.4	19.7	6.8	179	0.2	0.1	0.1	28	2.66
1809038	Rock	1.16	2.4	4.6	9.8	68	1.0	2.9	23.1	905	3.63	2.3	0.3	11.3	1.2	14	0.4	0.1	2.2	22	0.43
1809039	Rock	1.06	9.8	4.3	8.1	73	0.9	2.8	26.0	908	3.83	12.9	0.6	5.1	1.2	18	0.5	0.5	2.0	22	0.72
1809040	Rock	1.36	15.3	29.0	5.0	43	0.1	5.9	19.4	834	3.16	1.9	0.4	0.8	1.0	32	<0.1	<0.1	0.3	35	1.10
1809114	Rock	0.53	4.9	4.8	20.1	41	0.2	0.3	0.3	59	1.61	2.2	1.7	0.9	9.6	11	<0.1	<0.1	0.4	<1	0.01
1809115	Rock	0.97	2.8	1.0	6.7	13	<0.1	0.2	0.2	31	0.73	1.1	1.9	<0.5	5.0	4	<0.1	<0.1	<0.1	<1	<0.01
1809116	Rock	1.03	0.3	34.3	2.4	60	<0.1	5.6	17.4	626	4.75	0.6	0.9	2.3	1.8	38	<0.1	<0.1	<0.1	132	1.44
1809117	Rock	1.04	4.6	2.3	11.6	25	<0.1	0.3	0.3	57	1.16	4.5	2.0	2.1	7.5	3	<0.1	<0.1	<0.1	<1	0.02
1809118	Rock	0.84	1.4	1.3	10.6	9	<0.1	0.2	0.1	28	0.78	1.3	1.4	<0.5	6.9	5	<0.1	<0.1	<0.1	<1	<0.01
1809119	Rock	0.70	0.2	1.3	2.7	40	<0.1	4.7	6.8	439	2.05	<0.5	1.3	<0.5	7.6	37	<0.1	<0.1	<0.1	47	0.67
1809120	Rock	0.42	0.3	2.2	4.7	43	<0.1	5.3	7.6	646	2.41	<0.5	0.8	<0.5	8.1	67	<0.1	<0.1	<0.1	52	3.03



Bureau Veritas Commodities Canada Ltd.

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CERTIFICATE OF ANALYSIS

WHI20000343.1

Method Analyte Unit	AQ201																			
	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te		
MDL	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
1809018	Rock	0.007	<1	2	<0.01	47	0.011	<1	0.04	0.018	0.05	95.6	<0.01	0.1	<0.1	0.16	<1	9.9	0.6	
1809019	Rock	0.003	<1	2	<0.01	5	0.008	<1	0.08	0.002	0.02	3.6	<0.01	0.1	<0.1	0.67	1	18.9	0.6	
1809020	Rock	0.002	3	4	<0.01	6	<0.001	<1	0.17	0.074	0.19	0.3	<0.01	0.3	<0.1	0.34	<1	<0.5	<0.2	
1809021	Rock	0.006	85	1	0.03	38	<0.001	<1	0.39	0.003	0.25	<0.1	<0.01	0.4	0.2	0.07	<1	<0.5	0.2	
1809022	Rock	0.107	269	11	1.71	40	0.005	<1	2.46	0.058	0.27	0.1	<0.01	7.4	0.2	0.40	8	<0.5	<0.2	
1809023	Rock	0.142	293	3	1.43	42	0.005	<1	2.25	0.070	0.28	<0.1	<0.01	6.5	0.2	1.40	8	<0.5	<0.2	
1809024	Rock	0.143	438	3	0.83	55	0.004	<1	1.65	0.050	0.38	<0.1	<0.01	5.4	0.3	0.30	3	<0.5	0.4	
1809025	Rock	0.136	131	2	0.77	33	0.003	<1	1.57	0.066	0.26	<0.1	<0.01	4.7	0.4	2.19	5	<0.5	0.3	
1809026	Rock	0.002	4	3	<0.01	5	<0.001	<1	0.31	0.039	0.14	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2	
1809027	Rock	0.086	9	2	0.76	78	0.094	<1	2.09	0.037	0.25	1.1	<0.01	4.0	<0.1	1.48	12	<0.5	1.6	
1809028	Rock	0.030	5	4	0.78	38	0.040	<1	1.83	0.044	0.16	2.2	<0.01	3.4	<0.1	4.93	8	1.5	0.7	
1809029	Rock	0.057	8	2	1.03	36	0.057	<1	2.51	0.040	0.20	1.1	<0.01	4.6	<0.1	6.15	11	1.4	0.9	
1809030	Rock	0.003	11	4	0.01	15	0.005	<1	0.69	0.061	0.17	<0.1	<0.01	0.8	<0.1	0.14	2	<0.5	0.9	
1809031	Rock	0.067	100	8	0.43	100	0.030	<1	0.78	0.137	0.20	<0.1	<0.01	3.3	<0.1	0.30	3	<0.5	<0.2	
1809032	Rock	0.129	28	12	1.19	18	0.039	<1	1.72	0.097	0.14	<0.1	<0.01	5.3	<0.1	0.40	8	<0.5	0.2	
1809033	Rock	0.024	48	5	0.12	51	0.005	<1	1.62	0.097	0.12	<0.1	<0.01	1.6	<0.1	0.32	<1	<0.5	<0.2	
1809034	Rock	0.001	6	3	<0.01	39	0.003	<1	0.22	0.098	0.12	<0.1	<0.01	0.4	<0.1	0.09	<1	<0.5	<0.2	
1809035	Rock	0.033	6	3	3.56	19	0.060	1	2.50	0.003	0.01	0.5	<0.01	4.4	<0.1	5.37	12	<0.5	<0.2	
1809036	Rock	0.015	7	3	0.16	24	0.012	<1	3.50	0.015	0.15	<0.1	0.01	1.1	<0.1	<0.05	7	<0.5	0.6	
1809037	Rock	0.025	11	5	0.39	26	0.028	<1	4.09	0.028	0.15	<0.1	0.01	1.9	<0.1	<0.05	9	<0.5	0.4	
1809038	Rock	0.122	14	4	0.68	253	0.072	1	1.62	0.068	0.46	0.1	<0.01	2.2	0.1	0.11	5	<0.5	3.4	
1809039	Rock	0.128	12	3	0.68	228	0.073	<1	1.67	0.047	0.40	0.1	0.01	2.1	0.4	0.13	9	<0.5	3.2	
1809040	Rock	0.170	12	8	0.87	224	0.085	1	2.05	0.057	0.50	0.2	<0.01	3.1	0.2	0.32	6	<0.5	0.8	
1809114	Rock	0.015	30	2	0.02	90	0.005	<1	0.29	0.118	0.17	<0.1	<0.01	1.9	<0.1	0.30	2	<0.5	<0.2	
1809115	Rock	0.002	6	2	<0.01	33	0.004	<1	0.22	0.093	0.15	<0.1	<0.01	0.6	<0.1	<0.05	1	<0.5	<0.2	
1809116	Rock	0.187	10	11	1.47	158	0.190	<1	1.69	0.107	0.29	0.1	<0.01	7.8	<0.1	0.11	7	<0.5	<0.2	
1809117	Rock	0.003	7	2	0.01	16	0.006	<1	0.27	0.092	0.16	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2	
1809118	Rock	0.002	3	2	<0.01	20	0.004	<1	0.19	0.082	0.17	<0.1	<0.01	0.6	<0.1	0.06	1	<0.5	<0.2	
1809119	Rock	0.055	16	11	0.76	54	0.100	<1	0.94	0.077	0.14	<0.1	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2	
1809120	Rock	0.055	26	12	0.91	43	0.103	<1	1.26	0.075	0.14	0.1	<0.01	4.9	<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: October 09, 2020

Page: 3 of 3

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI20000343.1

Method	Analyte	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01
1809121	Rock	0.94	1.3	5.4	4.6	27	<0.1	3.3	5.3	229	3.26	<0.5	0.5	0.9	3.6	125	<0.1	<0.1	0.3	143	1.29	
1809122	Rock	1.12	3.0	5.5	3.1	42	0.1	11.3	23.3	349	3.50	0.9	1.2	42.0	6.2	21	0.2	<0.1	0.8	32	0.58	
1809123	Rock	1.01	1.4	16.3	2.4	18	<0.1	1.5	3.5	468	1.11	0.8	0.3	<0.5	0.7	55	<0.1	<0.1	0.1	15	4.31	
1809124	Rock	0.74	3.6	2.0	19.7	36	<0.1	0.4	0.2	37	0.85	0.8	3.5	<0.5	13.0	1	0.2	<0.1	0.3	<1	0.01	
1809125	Rock	0.77	4.5	3.1	20.7	9	0.1	0.3	0.2	35	0.84	1.5	1.8	1.8	13.3	2	<0.1	<0.1	0.1	1	0.03	
1809126	Rock	0.80	2.4	14.2	9.1	73	0.3	4.5	6.4	860	2.94	2.5	0.5	1.9	1.6	27	0.2	0.1	0.1	28	1.19	
1809127	Rock	0.75	1.7	52.8	18.3	27	1.8	1.5	39.3	370	3.26	20.3	0.5	12.8	1.7	14	<0.1	<0.1	1.3	10	0.40	
1809128	Rock	1.52	2.2	1.6	19.4	7	0.5	0.3	0.2	30	0.67	0.7	2.2	3.2	11.8	2	<0.1	<0.1	0.2	<1	<0.01	
1809129	Rock	0.60	3.1	1.7	14.8	7	0.3	0.4	0.2	35	0.89	2.0	3.0	0.6	11.2	3	<0.1	<0.1	0.3	2	<0.01	
1809130	Rock	0.72	2.6	3.8	24.4	12	2.4	0.3	0.1	27	1.02	1.1	1.8	3.0	10.2	5	<0.1	<0.1	0.1	<1	<0.01	
1809131	Rock	0.46	2.5	10.2	18.9	16	1.2	0.8	13.7	311	3.21	18.1	0.5	6.6	2.1	10	<0.1	<0.1	2.5	7	0.30	
1809132	Rock	0.59	5.2	2.8	13.8	3	0.1	0.3	0.1	32	0.72	0.8	2.3	<0.5	14.3	4	<0.1	<0.1	<0.1	<1	<0.01	



Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

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

Project: WARDEN
Report Date: October 09, 2020

Page: 3 of 3

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI20000343.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		P	La	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	ppm
MDL		0.001	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
1809121	Rock	0.058	6	29	1.22	140	0.128	<1	2.83	0.361	0.15	0.1	<0.01	2.1	<0.1	0.40	7	<0.5	0.3
1809122	Rock	0.136	11	8	0.88	78	0.137	<1	1.32	0.023	0.32	15.2	<0.01	1.6	<0.1	1.62	4	<0.5	0.4
1809123	Rock	0.014	2	4	0.42	14	0.024	<1	0.45	0.007	0.02	0.1	<0.01	0.8	<0.1	0.11	2	<0.5	<0.2
1809124	Rock	0.001	7	4	<0.01	2	0.003	<1	0.20	0.079	0.15	0.4	<0.01	0.2	<0.1	0.33	2	<0.5	<0.2
1809125	Rock	0.002	4	3	<0.01	1	0.030	<1	0.20	0.082	0.15	<0.1	<0.01	0.6	<0.1	0.05	3	<0.5	6.1
1809126	Rock	0.134	13	6	0.83	184	0.078	1	1.63	0.023	0.42	0.2	<0.01	2.3	0.1	0.28	6	<0.5	0.5
1809127	Rock	0.075	10	2	0.28	71	0.031	<1	0.92	0.030	0.37	<0.1	<0.01	0.8	<0.1	1.54	4	0.8	2.2
1809128	Rock	0.001	3	2	<0.01	3	0.014	<1	0.23	0.058	0.21	<0.1	<0.01	0.4	<0.1	<0.05	2	<0.5	0.9
1809129	Rock	0.003	5	4	<0.01	6	0.032	<1	0.20	0.073	0.14	<0.1	<0.01	0.8	<0.1	0.08	3	<0.5	0.8
1809130	Rock	0.001	4	3	<0.01	6	0.014	<1	0.19	0.077	0.19	<0.1	<0.01	0.9	<0.1	0.21	1	<0.5	1.1
1809131	Rock	0.048	14	2	0.25	214	0.054	<1	0.94	0.030	0.37	0.2	0.01	0.6	<0.1	0.22	5	1.3	6.7
1809132	Rock	0.002	3	2	<0.01	6	0.009	<1	0.29	0.038	0.24	0.1	<0.01	0.4	<0.1	0.06	2	<0.5	<0.2



QUALITY CONTROL REPORT

WHI20000343.1

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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																					
1809118	Rock	0.84	1.4	1.3	10.6	9	<0.1	0.2	0.1	28	0.78	1.3	1.4	<0.5	6.9	5	<0.1	<0.1	<0.1	<1	<0.01
REP 1809118	QC		1.5	1.3	10.7	9	<0.1	0.2	0.1	29	0.80	1.2	1.4	<0.5	7.3	4	<0.1	<0.1	<0.1	<1	<0.01
1809131	Rock	0.46	2.5	10.2	18.9	16	1.2	0.8	13.7	311	3.21	18.1	0.5	6.6	2.1	10	<0.1	<0.1	2.5	7	0.30
REP 1809131	QC		2.5	10.3	18.9	17	1.2	0.9	13.9	312	3.26	18.5	0.5	6.6	2.1	10	<0.1	<0.1	2.5	7	0.30
Core Reject Duplicates																					
1809115	Rock	0.97	2.8	1.0	6.7	13	<0.1	0.2	0.2	31	0.73	1.1	1.9	<0.5	5.0	4	<0.1	<0.1	<0.1	<1	<0.01
DUP 1809115	QC		2.8	1.0	6.8	13	<0.1	0.3	0.2	32	0.75	0.9	2.0	0.6	5.1	4	<0.1	<0.1	<0.1	<1	<0.01
Reference Materials																					
STD BVGEO01	Standard		11.6	4306.4	176.4	1707	2.7	161.4	28.5	748	3.86	117.0	4.0	214.8	14.9	57	6.3	3.3	22.4	74	1.34
STD DS11	Standard		14.4	145.8	131.4	340	1.7	81.8	13.8	1016	3.15	43.1	2.4	77.2	7.4	66	2.2	8.0	11.3	52	1.06
STD OREAS262	Standard		0.7	114.7	55.4	149	0.5	64.7	27.4	538	3.28	34.2	1.2	58.8	9.0	35	0.6	4.9	1.0	23	2.98
STD OREAS262	Standard		0.7	109.3	55.0	158	0.5	65.3	28.3	566	3.47	38.3	1.3	54.6	10.0	37	0.7	4.2	1.0	23	3.11
STD DS11 Expected			14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063
STD BVGEO01 Expected			11.2	4415	187	1741	2.53	163	25	733	3.7	121	3.77	219	14.4	55	6.5	3.39	25.6	73	1.3219
STD OREAS262 Expected			0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	5.06	1.03	22.5	2.98
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
Prep Wash																					
ROCK-WHI	Prep Blank		3.8	8.6	1.4	27	<0.1	0.6	3.5	446	1.76	0.7	0.4	<0.5	2.3	23	<0.1	<0.1	0.3	23	0.55
ROCK-WHI	Prep Blank		3.9	9.8	1.2	28	<0.1	0.6	3.6	454	1.78	0.6	0.4	<0.5	2.2	22	<0.1	<0.1	0.4	23	0.54



QUALITY CONTROL REPORT

WHI20000343.1

Method		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201		
Analyte		P	La	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	ppm	
MDL		0.001	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	
Pulp Duplicates																				
1809118	Rock	0.002	3	2	<0.01	20	0.004	<1	0.19	0.082	0.17	<0.1	<0.01	0.6	<0.1	0.06	1	<0.5	<0.2	
REP 1809118	QC	0.002	3	2	<0.01	20	0.004	<1	0.20	0.086	0.17	<0.1	<0.01	0.6	<0.1	0.06	1	<0.5	<0.2	
1809131	Rock	0.048	14	2	0.25	214	0.054	<1	0.94	0.030	0.37	0.2	0.01	0.6	<0.1	0.22	5	1.3	6.7	
REP 1809131	QC	0.049	14	2	0.25	218	0.056	1	0.95	0.030	0.37	0.1	0.01	0.7	<0.1	0.23	5	1.3	6.6	
Core Reject Duplicates																				
1809115	Rock	0.002	6	2	<0.01	33	0.004	<1	0.22	0.093	0.15	<0.1	<0.01	0.6	<0.1	<0.05	1	<0.5	<0.2	
DUP 1809115	QC	0.002	7	2	<0.01	33	0.004	<1	0.22	0.094	0.15	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2	
Reference Materials																				
STD BVGEO01	Standard	0.070	25	196	1.33	253	0.238	4	2.32	0.195	0.89	4.8	0.09	6.4	0.6	0.68	8	4.9	1.0	
STD DS11	Standard	0.069	18	61	0.85	356	0.094	7	1.18	0.078	0.41	2.9	0.29	3.2	4.7	0.29	5	2.2	4.5	
STD OREAS262	Standard	0.039	16	44	1.23	245	0.003	4	1.38	0.071	0.32	0.3	0.17	3.2	0.4	0.27	4	<0.5	0.2	
STD OREAS262	Standard	0.040	19	48	1.21	245	0.003	5	1.42	0.068	0.32	0.2	0.17	3.6	0.5	0.27	5	0.7	0.2	
STD DS11 Expected		0.0701	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		0.0727	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		0.04	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	4.1	0.4	0.23	
BLK	Blank	<0.001	<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	<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	
Prep Wash																				
ROCK-WHI	Prep Blank	0.038	6	2	0.45	57	0.069	1	0.84	0.094	0.09	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2	
ROCK-WHI	Prep Blank	0.039	6	2	0.45	55	0.069	1	0.84	0.091	0.09	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2	



BUREAU VERITAS MINERAL LABORATORIES
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Client: **Ryan Burke**
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Whitehorse Yukon Y1A 4T3 Canada

Submitted By: Ryan Burke
Receiving Lab: Canada-Whitehorse
Received: August 31, 2020
Analysis Start: October 07, 2020
Report Date: October 14, 2020
Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI20000344.1

CLIENT JOB INFORMATION

Project: PIKE
Shipment ID:
P.O. Number
Number of Samples: 95

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	95	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ201	95	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	95	Per sample shipping charges for branch shipments			VAN
AQ370	18	1:1:1 Aqua Regia Digestion ICP-ES Finish	1	Completed	VAN

ADDITIONAL COMMENTS

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

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

CC:



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.



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Project: PIKE
Report Date: October 14, 2020

Page: 2 of 5

Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI20000344.1

Method	WGHT	AQ201	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
1809041	Rock	0.44	0.4	4920.4	437.9	217	>100	1.3	2.6	255	1.40	17.2	0.9	1090.7	0.9	198	15.8	19.0	23.2	1	0.54
1809042	Rock	0.32	1.0	144.4	9.8	40	0.7	10.1	12.9	951	3.05	0.7	0.6	2.4	0.8	503	0.4	0.3	0.2	74	9.76
1809043	Rock	1.84	2.7	22.5	5.0	32	0.1	10.2	10.2	660	2.35	1.0	0.6	2.0	2.1	97	<0.1	0.1	0.2	57	4.77
1809044	Rock	1.11	2.1	485.2	58.1	37	47.6	11.7	47.7	428	13.32	7.4	0.1	48108.8	2.1	7	0.2	<0.1	189.6	39	0.33
1809045	Rock	1.36	0.5	27.2	6.2	19	0.4	1.8	5.8	2060	1.39	2.0	0.6	80.4	1.1	430	<0.1	<0.1	1.2	8	22.96
1809046	Rock	1.41	0.2	81.0	3.5	63	0.2	16.5	49.9	908	4.85	<0.5	0.5	12.8	1.1	133	<0.1	<0.1	0.6	83	4.47
1809047	Rock	2.13	2.1	9.9	2.6	32	0.4	7.7	50.3	551	3.39	1.5	0.4	207.8	1.6	72	<0.1	<0.1	0.9	31	3.04
1809048	Rock	2.34	0.3	40.9	1.5	57	0.1	5.0	9.8	1279	4.00	0.5	0.2	15.1	0.7	135	0.1	<0.1	<0.1	41	6.69
1809049	Rock	0.32	2.5	2.3	10.2	20	0.5	0.9	2.9	46	0.98	3.6	1.5	4.9	6.7	5	0.2	<0.1	1.1	2	0.04
1809050	Rock	0.98	0.1	2.3	5.5	2	<0.1	0.6	0.8	57	0.40	1.4	1.9	2.1	7.0	1	<0.1	<0.1	0.1	<1	0.03
1809133	Rock	1.30	0.3	9.1	17.3	48	0.2	0.9	0.5	56	0.96	<0.5	1.0	2.1	8.8	14	0.4	<0.1	0.5	4	0.27
1809134	Rock	0.34	0.2	1.5	14.1	54	<0.1	1.3	3.1	1121	1.72	0.6	0.8	0.7	16.1	66	0.1	<0.1	<0.1	5	5.38
1809135	Rock	1.13	1.3	63.2	4.7	30	0.4	2.1	9.9	328	3.62	2.7	1.4	1.5	16.6	19	0.1	<0.1	0.1	27	0.33
1809136	Rock	0.58	0.5	13.7	13.0	65	0.3	23.5	17.0	854	3.46	4.9	2.5	1.7	7.3	156	0.2	0.1	0.1	44	3.39
1809137	Rock	1.22	4.5	10.7	26.3	73	0.5	55.6	15.6	1210	4.44	5.0	1.2	2.3	3.5	325	0.6	0.3	0.5	35	4.41
1809138	Rock	1.64	0.7	4.8	62.7	6	0.8	1.8	10.9	66	4.99	88.0	0.4	32.5	12.7	9	<0.1	0.4	0.4	3	0.10
1809139	Rock	1.10	0.3	1934.2	>10000	455	>100	1.7	4.1	369	1.16	47.6	2.8	1372.5	7.8	98	18.8	1177.3	0.2	6	1.23
1809140	Rock	2.58	0.8	500.9	4245.3	37	>100	0.8	1.2	99	0.54	2.7	2.8	392.8	3.4	12	0.8	29.0	0.2	2	0.25
1809141	Rock	2.02	0.4	8.9	77.0	31	1.1	3.3	6.0	427	1.49	2.0	3.9	7.6	15.2	45	0.2	2.6	<0.1	10	1.26
1809142	Rock	2.09	0.2	5.1	20.0	55	0.8	4.5	6.9	884	2.56	1.1	1.4	20.7	4.7	172	0.4	2.0	<0.1	22	4.07
1809143	Rock	1.06	0.2	11.3	9.4	32	0.1	27.4	8.9	369	1.27	2.4	1.6	1.2	8.4	107	0.3	0.6	<0.1	30	2.96
1809144	Rock	1.71	0.2	1.8	22.1	7	0.1	0.9	0.6	114	0.44	1.0	0.2	3.5	0.9	5	<0.1	0.6	<0.1	2	0.33
1809145	Rock	1.19	0.3	9.1	1.8	22	0.2	10.7	3.2	359	1.65	4.6	0.2	<0.5	2.6	6	<0.1	0.1	<0.1	18	0.10
1809146	Rock	1.25	1.1	3044.6	10.6	291	59.1	13.3	10.8	850	2.15	18.0	1.8	33.4	3.2	171	16.0	692.2	9.3	25	3.42
1809147	Rock	2.07	1.4	319.8	1651.5	71	9.8	0.7	1.3	67	0.73	8.8	1.1	50.9	1.6	5	3.0	1.3	1.9	2	0.08
1809148	Rock	2.08	2.0	21.5	11.4	85	0.3	14.3	7.1	830	3.50	6.1	1.5	3.2	5.0	54	0.4	0.9	0.1	49	1.55
1809301	Rock	0.93	0.4	11.8	23.2	60	0.2	0.8	0.7	84	1.07	0.6	1.3	5.3	7.0	25	0.6	0.1	0.2	2	0.60
1809302	Rock	0.68	2.9	2.7	18.5	102	0.4	2.1	16.8	189	1.16	5.9	1.7	10.1	7.0	15	1.6	<0.1	1.0	2	0.73
1809303	Rock	0.85	0.3	4.7	5.7	77	<0.1	24.9	16.8	1937	5.52	<0.5	0.6	1.3	3.3	548	0.6	<0.1	<0.1	52	10.83
1809304	Rock	0.51	110.4	14.8	3.8	1	0.4	16.3	33.1	31	2.45	4.0	<0.1	7.8	1.6	7	0.1	0.1	0.8	1	0.06



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

Project: PIKE
Report Date: October 14, 2020

Page: 2 of 5 **Part:** 2 of 3

CERTIFICATE OF ANALYSIS

WHI20000344.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ370	AQ370
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Mo	Cu	
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%		
MDL		0.001	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	0.001
1809041	Rock	0.005	3	2	0.17	70	<0.001	1	0.22	0.003	0.06	1.3	0.09	0.4	<0.1	0.74	<1	1.8	<0.2	<0.001	0.490	
1809042	Rock	0.023	7	9	4.26	282	0.006	<1	0.38	0.015	0.04	0.5	0.01	4.3	<0.1	<0.05	1	<0.5	<0.2			
1809043	Rock	0.062	10	3	1.67	60	0.003	<1	0.40	0.006	0.05	0.2	<0.01	4.8	<0.1	0.05	<1	<0.5	<0.2			
1809044	Rock	0.008	6	1	1.27	10	0.003	<1	1.54	0.001	0.06	0.1	0.02	2.7	<0.1	8.87	6	2.8	11.9			
1809045	Rock	0.023	11	1	0.77	69	<0.001	<1	0.21	0.009	0.09	<0.1	<0.01	0.6	<0.1	0.12	<1	<0.5	<0.2			
1809046	Rock	0.133	19	5	1.63	57	0.003	<1	0.53	0.033	0.13	0.2	<0.01	8.3	<0.1	1.65	2	0.5	<0.2			
1809047	Rock	0.045	9	4	0.83	79	0.001	<1	0.48	0.021	0.15	0.1	<0.01	2.6	<0.1	1.69	2	<0.5	0.3			
1809048	Rock	0.069	7	3	1.88	47	0.006	1	1.94	0.003	0.10	0.2	<0.01	3.6	<0.1	0.09	5	<0.5	<0.2			
1809049	Rock	0.002	6	1	0.02	11	0.001	<1	0.30	0.038	0.07	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2			
1809050	Rock	0.002	8	1	<0.01	6	0.001	<1	0.15	0.057	0.12	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5	<0.2			
1809133	Rock	0.001	34	<1	0.12	20	0.002	<1	0.30	0.051	0.10	0.7	<0.01	0.4	<0.1	0.31	<1	<0.5	<0.2			
1809134	Rock	0.003	40	1	1.11	76	<0.001	<1	0.24	0.023	0.09	0.1	<0.01	0.2	<0.1	0.08	<1	<0.5	<0.2			
1809135	Rock	0.093	74	4	0.73	189	0.005	<1	1.39	0.095	0.22	<0.1	<0.01	1.9	<0.1	0.06	5	<0.5	<0.2			
1809136	Rock	0.089	13	13	1.62	118	0.005	<1	1.30	0.031	0.24	<0.1	<0.01	4.1	<0.1	0.18	4	<0.5	<0.2			
1809137	Rock	0.166	15	35	1.79	438	0.003	2	1.30	0.019	0.31	<0.1	<0.01	8.3	<0.1	<0.05	3	<0.5	<0.2			
1809138	Rock	0.050	10	2	0.05	22	0.001	<1	0.36	0.040	0.22	<0.1	<0.01	0.5	<0.1	3.52	<1	<0.5	0.3			
1809139	Rock	0.004	7	2	0.35	192	0.006	3	0.55	0.004	0.19	0.6	0.98	1.4	<0.1	0.48	1	2.6	<0.2	<0.001	0.199	
1809140	Rock	0.002	4	1	0.11	278	<0.001	1	0.26	0.002	0.11	<0.1	0.04	0.4	<0.1	0.08	<1	<0.5	<0.2	<0.001	0.055	
1809141	Rock	0.043	19	4	0.46	115	0.028	4	0.93	0.004	0.30	6.4	<0.01	2.7	<0.1	<0.05	2	<0.5	<0.2			
1809142	Rock	0.048	10	2	1.17	57	0.035	3	1.24	0.003	0.23	1.5	<0.01	2.9	<0.1	<0.05	3	<0.5	<0.2			
1809143	Rock	0.094	10	47	0.75	26	0.179	<1	1.30	0.030	0.03	0.6	<0.01	3.7	<0.1	<0.05	4	<0.5	<0.2			
1809144	Rock	<0.001	<1	2	0.06	7	<0.001	<1	0.13	0.002	0.02	0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2			
1809145	Rock	0.009	5	14	0.69	72	0.030	<1	0.89	0.012	0.04	0.2	<0.01	3.9	<0.1	<0.05	4	<0.5	<0.2			
1809146	Rock	0.025	7	11	1.41	751	0.052	3	1.20	0.002	0.12	0.8	4.30	2.6	<0.1	0.19	3	0.8	<0.2			
1809147	Rock	0.002	3	2	0.06	39	0.002	<1	0.18	0.011	0.05	<0.1	0.01	0.2	<0.1	0.15	<1	<0.5	<0.2			
1809148	Rock	0.093	14	22	0.89	187	0.194	<1	1.56	0.145	0.18	0.4	0.01	8.8	<0.1	0.10	9	<0.5	<0.2			
1809301	Rock	0.002	33	2	0.26	23	0.002	1	0.27	0.057	0.13	0.3	<0.01	0.4	<0.1	0.30	1	<0.5	<0.2			
1809302	Rock	0.002	23	1	0.37	15	0.002	<1	0.37	0.014	0.06	0.1	0.01	0.4	<0.1	0.07	1	<0.5	<0.2			
1809303	Rock	0.046	4	77	3.37	36	0.006	<1	2.29	0.003	0.10	0.1	<0.01	8.9	<0.1	0.09	5	<0.5	<0.2			
1809304	Rock	0.003	6	2	<0.01	63	<0.001	<1	0.05	0.012	0.02	0.3	<0.01	<0.1	<0.1	2.07	<1	0.8	0.2			

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



BUREAU VERITAS MINERAL LABORATORIES
Canada

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Client: **Ryan Burke**
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Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: October 14, 2020

Page: 2 of 5

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI20000344.1

Method	AQ370	AQ370
Analyte	Pb	Ag
Unit	%	ppm
MDL	0.01	2
1809041	Rock	0.04 124
1809042	Rock	
1809043	Rock	
1809044	Rock	
1809045	Rock	
1809046	Rock	
1809047	Rock	
1809048	Rock	
1809049	Rock	
1809050	Rock	
1809133	Rock	
1809134	Rock	
1809135	Rock	
1809136	Rock	
1809137	Rock	
1809138	Rock	
1809139	Rock	1.93 643
1809140	Rock	0.41 108
1809141	Rock	
1809142	Rock	
1809143	Rock	
1809144	Rock	
1809145	Rock	
1809146	Rock	
1809147	Rock	
1809148	Rock	
1809301	Rock	
1809302	Rock	
1809303	Rock	
1809304	Rock	



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Page: 3 of 5

Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI20000344.1

Method Analyte	Unit	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01	0.01
1809305	Rock	0.62	2.3	19.2	6.7	3	0.3	3.2	6.3	60	1.18	196.8	0.3	2.7	1.0	5	<0.1	0.9	0.2	3	0.03
1809306	Rock	0.85	0.6	10.2	29.5	76	0.3	20.6	13.6	953	3.42	9.4	1.5	3.2	5.9	217	1.3	0.2	0.2	32	3.83
1809307	Rock	0.83	0.7	15.3	51.0	23	0.3	0.8	1.7	122	0.93	40.9	0.7	3.0	11.3	14	1.4	0.3	0.3	<1	0.25
1809308	Rock	0.90	0.4	17.8	16.1	26	0.4	1.4	3.0	447	1.82	4.8	3.3	1.9	15.0	32	<0.1	0.1	0.6	12	1.04
1809309	Rock	0.99	0.4	13.1	11.6	11	0.2	1.5	2.2	246	0.80	3.6	14.1	1.6	18.9	21	0.3	0.2	<0.1	<1	0.69
1809310	Rock	0.52	1.1	5.1	27.7	7	0.5	1.2	7.9	61	2.47	49.5	0.4	10.4	26.2	8	<0.1	0.3	0.3	<1	0.01
1809311	Rock	0.82	0.6	4.5	64.6	4	0.9	1.9	17.1	52	6.04	117.4	0.4	38.1	12.1	8	<0.1	0.5	0.5	3	0.04
1809312	Rock	1.25	0.3	62.1	2.8	40	0.2	7.2	10.0	383	3.32	1.0	0.5	2.3	4.0	45	<0.1	<0.1	1.3	69	0.87
1809313	Rock	0.47	0.5	16.5	7.7	51	0.2	29.5	45.3	525	5.35	1.3	0.5	2.6	4.0	41	<0.1	0.1	2.8	92	0.75
1809314	Rock	1.39	0.9	4.7	36.3	129	2.1	62.7	24.4	1297	4.74	2.4	0.4	5.9	2.8	195	0.3	0.2	3.4	153	4.25
1809315	Rock	0.38	1.6	10.3	38.4	109	0.9	61.2	21.1	1851	5.24	3.9	0.3	9.8	1.9	464	1.1	0.3	2.1	110	10.15
1809316	Rock	1.07	0.4	10.0	5.0	48	0.7	5.0	5.2	854	2.68	11.9	1.5	17.7	0.9	11	1.0	0.6	0.3	6	1.65
1809317	Rock	0.80	0.2	4.9	16.4	25	2.0	4.0	4.1	485	1.61	41.6	0.1	52.5	1.2	47	0.3	0.5	2.8	3	2.03
1809318	Rock	0.61	0.3	7.8	5.8	29	1.0	8.5	10.4	514	2.04	96.3	0.3	96.9	2.3	21	0.5	0.6	0.2	6	1.57
1809319	Rock	0.93	0.6	1745.5	1162.2	115	>100	18.2	5.2	1095	2.94	2.3	1.1	2378.2	0.9	4	2.6	0.9	3.9	98	0.08
1809320	Rock	0.55	0.8	33.5	10.5	14	0.7	9.3	24.8	169	3.17	1.2	0.2	9.3	1.3	16	<0.1	<0.1	2.6	22	0.14
1809321	Rock	1.64	0.4	644.3	29.6	46	5.6	22.3	10.2	559	2.64	0.5	0.7	12.6	3.5	81	1.2	0.3	39.8	55	1.90
1809322	Rock	1.55	0.4	104.6	6.0	77	2.2	31.7	6.8	1087	3.64	<0.5	0.4	4.0	3.8	104	0.3	<0.1	5.6	62	3.65
1809323	Rock	0.31	0.5	6.8	17.1	8	1.6	2.4	3.5	84	2.80	1.1	1.2	5.4	10.1	62	<0.1	0.2	20.9	26	0.15
1809324	Rock	1.39	12.5	38.2	61.6	35	8.3	17.0	72.0	303	11.37	2.0	1.0	10.2	9.2	41	0.3	0.2	44.9	61	0.56
1809325	Rock	1.15	0.5	3.7	1.9	31	<0.1	3.6	7.0	834	2.37	1.8	2.6	2.1	2.7	5	0.5	0.4	0.2	19	0.10
1809326	Rock	1.25	0.7	234.5	250.7	23	0.5	1.1	0.8	75	0.43	<0.5	1.2	1.7	4.6	4	0.2	0.1	0.4	2	0.11
1809327	Rock	1.51	0.9	246.8	>10000	2666	9.9	3.8	2.1	189	0.79	<0.5	1.5	97.5	1.1	17	9.6	1.7	1.6	6	0.35
1809328	Rock	0.44	0.3	52.9	269.3	18	53.9	12.8	12.2	666	2.36	0.8	1.2	444.4	2.7	63	1.5	<0.1	295.4	8	4.83
1809329	Rock	0.73	0.6	184.0	232.9	23	18.6	2.1	3.9	156	1.23	3.0	0.7	375.6	14.7	10	<0.1	<0.1	39.6	14	0.16
1809330	Rock	0.58	2.9	16.3	16.1	55	0.3	14.6	15.3	1220	4.11	0.9	0.8	1.5	2.9	175	0.1	0.3	1.2	95	10.28
1809331	Rock	0.32	0.1	1.1	20.1	6	<0.1	0.2	0.9	4681	0.90	0.7	13.2	1.4	2.0	609	0.6	<0.1	0.2	8	31.77
1809332	Rock	0.27	0.5	12.0	215.2	5	0.6	1.0	1.2	128	0.63	7.8	0.3	19.4	0.5	6	<0.1	0.9	0.8	2	0.34
1809333	Rock	1.01	4.7	14.2	28.2	90	0.3	1.1	3.0	821	3.99	9.0	1.6	1.7	3.5	23	0.3	0.3	0.3	8	0.45
1809334	Rock	1.35	3.3	43.2	11.0	42	0.7	13.7	3.7	690	1.69	75.5	2.8	15.0	3.1	7	0.3	0.8	1.1	78	0.24



CERTIFICATE OF ANALYSIS

WHI20000344.1

Table with columns for Method, Analyte, Unit, MDL, and various elements (P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Hg, Sc, Ti, S, Ga, Se, Te, Mo, Cu) with their respective values and units.



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Page: 3 of 5

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI20000344.1

Method	AQ370	AQ370
Analyte	Pb	Ag
Unit	%	ppm
MDL	0.01	2
1809305	Rock	
1809306	Rock	
1809307	Rock	
1809308	Rock	
1809309	Rock	
1809310	Rock	
1809311	Rock	
1809312	Rock	
1809313	Rock	
1809314	Rock	
1809315	Rock	
1809316	Rock	
1809317	Rock	
1809318	Rock	
1809319	Rock	0.11 443
1809320	Rock	
1809321	Rock	
1809322	Rock	
1809323	Rock	
1809324	Rock	
1809325	Rock	
1809326	Rock	
1809327	Rock	3.63 9
1809328	Rock	
1809329	Rock	
1809330	Rock	
1809331	Rock	
1809332	Rock	
1809333	Rock	
1809334	Rock	



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Page: 4 of 5

Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI20000344.1

Method	WGHT	AQ201	AQ201	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca		
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	1	1	0.01	
1809335	Rock	0.51	8.9	18.8	10.1	50	0.7	9.2	1.5	142	1.86	29.1	2.5	1.2	5.5	17	<0.1	1.1	0.2	103	0.19	
1809336	Rock	1.29	6.8	31.2	20.3	15	1.9	6.3	1.1	328	1.89	117.5	3.2	5.5	3.5	36	<0.1	1.3	0.3	68	0.30	
1809337	Rock	1.63	4.3	12.6	37.1	20	0.6	4.8	4.2	324	1.03	1.8	0.8	1.4	1.4	15	0.1	<0.1	1.4	7	1.46	
1809338	Rock	0.85	562.7	5790.1	21.4	12	35.2	0.8	0.9	36	1.82	<0.5	0.3	3.4	0.4	1	1.5	0.1	75.7	1	0.02	
1809339	Rock	0.91	1.8	9.6	37.3	24	0.8	2.7	9.2	424	3.18	21.8	0.8	72.6	1.7	23	0.3	1.9	0.5	10	0.55	
1809340	Rock	1.22	4.0	20.5	25.1	75	1.0	1.8	4.6	668	2.45	10.3	0.5	63.2	1.9	55	4.6	1.2	0.5	9	1.80	
1809341	Rock	0.39	201.9	7072.9	91.4	29	>100	6.4	17.1	78	21.11	189.5	0.8	32.4	1.0	7	1.1	2.0	118.9	243	0.01	
1809342	Rock	0.63	101.2	3783.8	79.7	10	>100	0.7	1.4	46	3.03	9.5	1.2	7.5	1.2	4	1.2	0.3	111.4	34	0.01	
1809343	Rock	1.48	606.5	8281.5	434.2	61	>100	3.1	10.7	51	10.29	79.5	0.4	28.4	1.4	6	3.6	0.8	749.5	75	0.01	
1809344	Rock	1.08	318.4	1905.4	29.1	12	>100	0.9	0.9	31	1.60	1.6	<0.1	23.2	0.2	<1	1.2	0.4	1378.2	6	<0.01	
1809345	Rock	0.64	>2000	945.9	31.5	3	10.9	0.7	0.7	44	0.85	2.6	1.9	14.5	0.4	4	3.4	0.6	10.6	16	0.04	
1809346	Rock	1.15	1009.2	3035.1	13.0	3	13.2	1.0	0.4	41	0.78	<0.5	0.4	9.3	0.2	3	2.0	0.6	34.2	6	0.01	
1809347	Rock	0.36	>2000	>10000	65.2	22	>100	4.0	8.6	58	5.13	<0.5	3.7	136.1	1.2	22	7.2	0.9	1360.7	35	0.18	
1809348	Rock	1.33	14.5	3208.5	44.3	265	>100	3.6	7.1	456	1.51	5.4	3.4	101.5	2.6	38	14.9	78.5	4.4	15	1.06	
1809349	Rock	0.69	>2000	5296.3	76.7	14	>100	1.3	1.7	39	2.31	<0.5	1.0	27.4	0.5	1	3.5	0.5	975.1	17	<0.01	
1809350	Rock	1.18	998.7	>10000	60.0	48	>100	1.4	4.7	38	6.10	<0.5	0.6	41.0	0.3	1	3.9	0.5	762.1	10	<0.01	
1809373	Rock	2.16	11.8	53.7	37.3	60	1.7	2.7	12.8	866	3.70	5.5	0.8	16.0	1.5	19	2.8	1.3	6.9	12	0.60	
1809374	Rock	0.93	2.0	74.0	157.2	28	3.4	2.5	14.2	1064	4.43	153.7	0.4	607.6	1.4	93	0.5	1.3	3.4	15	2.60	
1809375	Rock	0.56	4.0	534.8	5.9	4	1.7	0.9	0.7	59	0.41	0.8	1.2	3.1	0.5	2	0.2	<0.1	10.5	2	0.05	
1809376	Rock	0.96	1757.1	308.0	138.7	2	3.9	1.0	0.5	39	0.50	0.9	0.8	10.3	0.2	21	3.0	<0.1	8.4	11	0.07	
1809377	Rock	1.06	5.0	8.4	14.4	42	0.4	3.7	5.5	708	2.12	4.5	1.1	3.3	5.2	104	0.5	1.7	0.7	14	2.65	
1809378	Rock	0.36	>2000	3553.7	139.5	2	33.6	0.8	0.5	34	1.51	15.6	1.7	79.7	1.0	12	3.8	1.7	25.0	20	0.01	
1809379	Rock	0.33	>2000	1401.2	12.0	7	20.1	0.8	0.7	35	1.15	<0.5	0.2	6.5	0.6	3	6.1	<0.1	48.7	28	<0.01	
1809380	Rock	1.76	633.0	1093.8	21.0	40	>100	2.0	5.1	46	4.19	1.1	0.2	53.3	0.4	<1	1.1	0.3	715.9	78	<0.01	
1809381	Rock	0.62	19.6	10.4	6.4	30	0.6	20.7	7.4	455	1.59	<0.5	0.4	2.0	1.2	30	0.3	<0.1	2.6	14	0.58	
1809382	Rock	0.93	15.3	24.3	6.4	17	1.5	3.5	2.6	231	1.03	2.9	0.3	1.6	1.1	10	<0.1	<0.1	8.9	6	0.73	
1809383	Rock	0.72	27.4	3979.4	8.2	21	19.2	14.3	56.7	182	11.25	<0.5	0.9	11.7	2.4	14	0.3	0.3	2.5	12	0.20	
1809384	Rock	1.22	6.6	11.2	20.5	26	0.7	0.8	0.3	42	1.03	2.7	3.0	1.0	8.4	5	<0.1	<0.1	1.5	3	<0.01	
1809385	Rock	0.86	4.8	17.4	5.6	70	0.2	1.6	3.9	654	3.58	4.1	4.1	<0.5	4.6	29	0.2	0.2	0.3	9	0.44	
1809386	Rock	0.80	3.2	8.2	13.8	65	0.1	0.9	3.0	863	3.91	3.7	1.3	1.5	3.8	26	<0.1	0.1	0.3	9	0.44	



CERTIFICATE OF ANALYSIS

WHI20000344.1

Table with columns: Method, Analyte, Unit, MDL, and 20 analyte columns (P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Hg, Sc, Ti, S, Ga, Se, Te, Mo, Cu). Rows include sample IDs 1809335 through 1809386 and their corresponding analytical results.



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Project: PIKE
Report Date: October 14, 2020

Page: 4 of 5

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI20000344.1

Method	AQ370	AQ370
Analyte	Pb	Ag
Unit	%	ppm
MDL	0.01	2
1809335	Rock	
1809336	Rock	
1809337	Rock	
1809338	Rock	
1809339	Rock	
1809340	Rock	
1809341	Rock	<0.01 146
1809342	Rock	<0.01 130
1809343	Rock	0.04 493
1809344	Rock	<0.01 151
1809345	Rock	<0.01 10
1809346	Rock	
1809347	Rock	<0.01 126
1809348	Rock	<0.01 224
1809349	Rock	<0.01 143
1809350	Rock	<0.01 140
1809373	Rock	
1809374	Rock	
1809375	Rock	
1809376	Rock	
1809377	Rock	
1809378	Rock	0.01 34
1809379	Rock	<0.01 19
1809380	Rock	<0.01 112
1809381	Rock	
1809382	Rock	
1809383	Rock	
1809384	Rock	
1809385	Rock	
1809386	Rock	



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Project: PIKE
Report Date: October 14, 2020

Page: 5 of 5

Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI20000344.1

Method	WGHT	AQ201	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
1809387	Rock	0.94	1639.0	103.2	32.8	3	13.4	0.9	0.5	30	0.71	1.9	<0.1	4.8	0.2	2	1.6	1.1	47.5	10	0.02
1809388	Rock	0.71	913.7	3144.6	49.8	52	25.1	1.3	2.1	98	1.78	1.7	1.7	8.8	1.0	15	2.5	1.5	55.2	15	0.30
1809389	Rock	1.50	1505.2	389.9	42.9	10	21.7	1.0	1.2	45	1.65	3.6	0.4	11.8	1.0	12	0.6	7.7	68.1	6	0.07
1809390	Rock	0.93	>2000	1877.6	110.2	10	20.1	0.9	1.2	74	0.66	<0.5	1.1	12.9	0.2	17	10.6	0.6	349.5	47	0.26
1809391	Rock	0.87	214.4	7048.4	78.0	28	17.4	0.8	1.2	239	0.95	<0.5	0.6	6.5	0.2	15	6.6	0.9	231.7	<1	1.80



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Report Date: October 14, 2020

Page: 5 of 5

Part: 2 of 3

CERTIFICATE OF ANALYSIS

WHI20000344.1

Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ370	AQ370
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Mo	Cu	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	
MDL	0.001	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	
1809387	Rock	0.001	<1	2	<0.01	13	0.003	<1	0.03	0.002	<0.01	0.3	<0.01	0.1	<0.1	0.09	<1	1.8	3.4		
1809388	Rock	0.004	<1	2	0.05	23	0.023	<1	0.39	0.017	0.05	1.1	0.02	1.3	<0.1	0.07	1	4.1	2.3		
1809389	Rock	0.004	2	2	0.03	65	0.014	<1	0.17	0.025	0.04	1.3	0.02	0.5	<0.1	0.08	<1	4.2	4.4		
1809390	Rock	<0.001	2	2	<0.01	86	<0.001	<1	0.03	0.001	0.01	1.0	0.03	<0.1	<0.1	0.44	<1	9.4	1.7	0.866	0.190
1809391	Rock	0.001	2	2	<0.01	7	<0.001	<1	0.01	<0.001	<0.01	0.3	0.01	<0.1	<0.1	0.50	<1	4.8	0.3		



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Report Date: October 14, 2020

Page: 5 of 5

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI20000344.1

	Method	AQ370	
		Pb	Ag
Analyte		%	ppm
Unit			
MDL		0.01	2
1809387	Rock		
1809388	Rock		
1809389	Rock		
1809390	Rock	0.01	18
1809391	Rock		



QUALITY CONTROL REPORT

WHI20000344.1

Method	WGHT	AQ201	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01	
Pulp Duplicates																					
1809140	Rock	2.58	0.8	500.9	4245.3	37	>100	0.8	1.2	99	0.54	2.7	2.8	392.8	3.4	12	0.8	29.0	0.2	2	0.25
REP 1809140	QC		1.1	492.5	4255.1	34	>100	0.9	1.3	98	0.54	2.5	2.7	414.9	3.3	12	0.9	29.2	0.1	2	0.25
1809319	Rock	0.93	0.6	1745.5	1162.2	115	>100	18.2	5.2	1095	2.94	2.3	1.1	2378.2	0.9	4	2.6	0.9	3.9	98	0.08
REP 1809319	QC																				
1809326	Rock	1.25	0.7	234.5	250.7	23	0.5	1.1	0.8	75	0.43	<0.5	1.2	1.7	4.6	4	0.2	0.1	0.4	2	0.11
REP 1809326	QC		0.6	233.9	246.4	22	0.5	1.3	0.7	75	0.42	<0.5	1.1	0.9	4.5	4	0.1	<0.1	0.4	3	0.11
1809379	Rock	0.33	>2000	1401.2	12.0	7	20.1	0.8	0.7	35	1.15	<0.5	0.2	6.5	0.6	3	6.1	<0.1	48.7	28	<0.01
REP 1809379	QC		>2000	1396.4	12.6	7	19.9	1.0	0.8	35	1.19	<0.5	0.3	8.6	0.6	3	6.2	0.1	52.4	29	<0.01
Core Reject Duplicates																					
1809147	Rock	2.07	1.4	319.8	1651.5	71	9.8	0.7	1.3	67	0.73	8.8	1.1	50.9	1.6	5	3.0	1.3	1.9	2	0.08
DUP 1809147	QC		1.4	318.6	1854.8	68	9.6	0.9	1.1	72	0.78	9.5	1.1	67.7	1.8	5	2.4	1.4	2.0	2	0.08
1809333	Rock	1.01	4.7	14.2	28.2	90	0.3	1.1	3.0	821	3.99	9.0	1.6	1.7	3.5	23	0.3	0.3	0.3	8	0.45
DUP 1809333	QC		4.7	14.7	22.3	92	0.2	0.9	3.4	833	3.91	8.6	1.5	0.9	3.2	20	0.2	0.3	0.2	8	0.41
1809389	Rock	1.50	1505.2	389.9	42.9	10	21.7	1.0	1.2	45	1.65	3.6	0.4	11.8	1.0	12	0.6	7.7	68.1	6	0.07
DUP 1809389	QC		1604.2	463.8	50.5	10	26.8	1.1	1.5	55	1.88	3.4	0.8	10.7	1.7	17	1.7	7.3	81.3	17	0.13
Reference Materials																					
STD BVGEO01	Standard		10.3	4397.1	188.3	1751	2.5	167.1	23.6	724	3.68	116.7	3.8	222.0	15.4	54	5.9	3.4	23.9	76	1.34
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD DS11	Standard		13.8	145.4	141.4	345	1.7	78.2	13.5	1040	3.11	45.5	2.7	61.3	8.4	62	2.6	8.1	11.2	49	1.07
STD DS11	Standard		12.1	138.3	139.2	336	1.6	80.6	13.6	1030	3.05	43.5	2.7	72.7	7.9	65	2.3	7.7	10.9	48	1.06
STD DS11	Standard		14.7	144.0	135.9	333	1.8	78.7	14.0	1021	3.04	44.0	2.6	138.0	9.2	66	2.4	8.5	11.8	49	1.05
STD OREAS262	Standard		0.6	114.4	54.6	152	0.5	64.8	26.8	536	3.22	35.2	1.2	65.9	9.5	33	0.6	5.5	1.0	22	2.93
STD OREAS262	Standard		0.6	107.5	56.1	149	0.5	62.2	25.8	537	3.18	35.0	1.2	67.2	10.4	34	0.6	4.6	0.9	22	2.98
STD OREAS262	Standard		0.8	108.1	54.2	149	0.4	63.8	27.1	537	3.20	35.0	1.1	64.4	8.6	33	0.6	4.7	1.0	21	2.85
STD OREAS262	Standard		0.9	114.4	56.1	151	0.5	62.9	27.0	544	3.12	36.4	1.2	68.5	9.4	37	0.7	5.6	1.1	21	2.94
STD BVGEO01 Expected			11.2	4415	187	1741	2.53	163	25	733	3.7	121	3.77	219	14.4	55	6.5	3.39	25.6	73	1.3219
STD CDN-ME-9A Expected																					



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Project: PIKE
Report Date: October 14, 2020

Page: 1 of 2

Part: 2 of 3

QUALITY CONTROL REPORT

WHI20000344.1

Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ370	AQ370
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Mo	Cu		
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	%	%
MDL	0.001	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		
Pulp Duplicates																						
1809140	Rock	0.002	4	1	0.11	278	<0.001	1	0.26	0.002	0.11	<0.1	0.04	0.4	<0.1	0.08	<1	<0.5	<0.2	<0.001	0.055	
REP 1809140	QC	0.002	4	2	0.11	265	<0.001	<1	0.25	0.002	0.11	0.1	0.02	0.3	<0.1	0.08	<1	<0.5	<0.2			
1809319	Rock	0.046	5	14	0.21	113	0.002	<1	0.49	0.003	0.15	0.3	0.04	3.8	<0.1	<0.05	1	<0.5	<0.2	<0.001	0.174	
REP 1809319	QC																			<0.001	0.176	
1809326	Rock	0.024	12	2	0.07	57	0.005	<1	0.28	0.017	0.16	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2			
REP 1809326	QC	0.023	12	2	0.07	55	0.005	<1	0.28	0.017	0.16	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2			
1809379	Rock	0.002	<1	2	<0.01	119	<0.001	<1	0.04	0.002	<0.01	0.4	<0.01	<0.1	<0.1	0.41	<1	9.1	2.7	0.556	0.143	
REP 1809379	QC	0.002	<1	2	<0.01	122	<0.001	<1	0.04	0.002	<0.01	0.4	0.02	0.1	<0.1	0.42	<1	11.0	2.5			
Core Reject Duplicates																						
1809147	Rock	0.002	3	2	0.06	39	0.002	<1	0.18	0.011	0.05	<0.1	0.01	0.2	<0.1	0.15	<1	<0.5	<0.2			
DUP 1809147	QC	0.003	2	2	0.06	37	0.002	<1	0.18	0.009	0.05	<0.1	0.03	0.3	<0.1	0.16	<1	<0.5	<0.2			
1809333	Rock	0.077	11	3	0.47	212	0.166	<1	1.32	0.085	0.21	0.8	<0.01	8.7	<0.1	0.55	8	<0.5	<0.2			
DUP 1809333	QC	0.084	11	3	0.47	177	0.166	<1	1.26	0.068	0.17	0.8	<0.01	7.9	<0.1	0.56	8	<0.5	<0.2			
1809389	Rock	0.004	2	2	0.03	65	0.014	<1	0.17	0.025	0.04	1.3	0.02	0.5	<0.1	0.08	<1	4.2	4.4			
DUP 1809389	QC	0.007	2	3	0.05	64	0.026	<1	0.25	0.037	0.05	1.7	0.02	0.9	<0.1	0.09	1	4.1	5.0			
Reference Materials																						
STD BVGEO01	Standard	0.074	25	181	1.31	269	0.219	<1	2.31	0.192	0.87	5.1	0.09	5.8	0.6	0.67	7	4.7	1.2			
STD CDN-ME-9A	Standard																			<0.001	0.656	
STD CDN-ME-14A	Standard																			0.001	1.254	
STD DS11	Standard	0.073	17	58	0.85	363	0.088	6	1.14	0.071	0.39	3.0	0.27	3.2	4.8	0.28	5	2.2	4.1			
STD DS11	Standard	0.072	19	57	0.86	369	0.089	6	1.16	0.073	0.39	3.2	0.25	3.3	4.3	0.27	5	1.7	5.0			
STD DS11	Standard	0.075	18	60	0.84	370	0.090	7	1.17	0.074	0.41	3.0	0.28	3.0	5.1	0.28	5	2.2	4.7			
STD OREAS262	Standard	0.041	16	42	1.18	240	0.003	<1	1.40	0.071	0.31	0.2	0.16	3.3	0.4	0.26	4	0.9	0.2			
STD OREAS262	Standard	0.040	16	41	1.17	253	0.003	4	1.24	0.066	0.30	0.2	0.18	3.2	0.4	0.26	4	0.6	0.2			
STD OREAS262	Standard	0.039	15	42	1.14	223	0.003	5	1.28	0.068	0.30	0.3	0.15	3.3	0.5	0.25	4	<0.5	0.3			
STD OREAS262	Standard	0.041	15	43	1.17	256	0.002	3	1.34	0.066	0.30	0.2	0.16	3.1	0.5	0.26	4	0.5	0.2			
STD BVGEO01 Expected		0.0727	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 CDN-ME-9A Expected																				0.00033	0.654	



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Project: PIKE
Report Date: October 14, 2020

Page: 1 of 2

Part: 3 of 3

QUALITY CONTROL REPORT

WHI20000344.1

Method	AQ370	AQ370
Analyte	Pb	Ag
Unit	%	ppm
MDL	0.01	2
Pulp Duplicates		
1809140	Rock	0.41 108
REP 1809140	QC	
1809319	Rock	0.11 443
REP 1809319	QC	0.11 450
1809326	Rock	
REP 1809326	QC	
1809379	Rock	<0.01 19
REP 1809379	QC	
Core Reject Duplicates		
1809147	Rock	
DUP 1809147	QC	
1809333	Rock	
DUP 1809333	QC	
1809389	Rock	
DUP 1809389	QC	
Reference Materials		
STD BVGEO01	Standard	
STD CDN-ME-9A	Standard	<0.01 4
STD CDN-ME-14A	Standard	0.49 46
STD DS11	Standard	
STD DS11	Standard	
STD DS11	Standard	
STD OREAS262	Standard	
STD OREAS262	Standard	
STD OREAS262	Standard	
STD OREAS262	Standard	
STD BVGEO01 Expected		
STD CDN-ME-9A Expected	0.003	3.3



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Page: 2 of 2

Part: 1 of 3

QUALITY CONTROL REPORT

WHI20000344.1

		WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01
STD CDN-ME-14A Expected																					
STD DS11 Expected			14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063
STD OREAS262 Expected			0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	5.06	1.03	22.5	2.98
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank		<0.1	<0.1	0.2	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	0.2	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank		0.3	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01
BLK	Blank																				
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	0.2	<1	<0.1	<0.1	<0.1	<1	<0.01
Prep Wash																					
ROCK-WHI	Prep Blank		1.9	2.0	1.1	26	<0.1	0.9	3.3	424	1.77	1.4	0.4	<0.5	2.6	21	<0.1	<0.1	<0.1	23	0.54
ROCK-WHI	Prep Blank		0.6	1.3	1.0	27	<0.1	0.6	3.5	447	1.80	1.1	0.4	<0.5	2.7	21	<0.1	<0.1	<0.1	23	0.55



Bureau Veritas Commodities Canada Ltd.
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Client: **Ryan Burke**
60 Boswell Crescent
Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: October 14, 2020

Page: 2 of 2

Part: 2 of 3

QUALITY CONTROL REPORT

WHI20000344.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ370	AQ370
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Mo	Cu
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%
		0.001	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
STD CDN-ME-14A Expected																				0.0015	1.24
STD DS11 Expected		0.0701	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 OREAS262 Expected		0.04	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	4.1	0.4	0.23		
BLK	Blank	<0.001	<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	<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	<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
BLK	Blank	<0.001	<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		
Prep Wash																					
ROCK-WHI	Prep Blank	0.041	6	2	0.43	56	0.077	<1	0.81	0.080	0.08	<0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2		
ROCK-WHI	Prep Blank	0.041	6	2	0.45	59	0.073	1	0.90	0.117	0.10	<0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2		



Bureau Veritas Commodities Canada Ltd.
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Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: October 14, 2020

Page: 2 of 2

Part: 3 of 3

QUALITY CONTROL REPORT

WHI20000344.1

		AQ370	AQ370
		Pb	Ag
		%	ppm
		0.01	2
STD CDN-ME-14A Expected		0.488	42.3
STD DS11 Expected			
STD OREAS262 Expected			
BLK	Blank		
BLK	Blank		
BLK	Blank		
BLK	Blank	<0.01	<2
BLK	Blank		
Prep Wash			
ROCK-WHI	Prep Blank		
ROCK-WHI	Prep Blank		



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Canada

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

Submitted By: Ryan Burke
Receiving Lab: Canada-Whitehorse
Received: August 31, 2020
Analysis Start: September 25, 2020
Report Date: October 08, 2020
Page: 1 of 10

CERTIFICATE OF ANALYSIS

WHI20000346.1

CLIENT JOB INFORMATION

Project: PIKE
Shipment ID:
P.O. Number
Number of Samples: 251

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	251	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	251	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SVRJT	251	Save all or part of Soil Reject			WHI
SHP01	251	Per sample shipping charges for branch shipments			VAN
HANDX	1	Special Handling - see Job Notes			WHI

ADDITIONAL COMMENTS

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

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

CC:


JEFFREY CANNON
Geochemistry Department Supervisor

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



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Project: PIKE
Report Date: October 08, 2020

Page: 2 of 10

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI20000346.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
1809151	Soil	25	126	1.68	156	0.066	1	2.33	0.010	0.10	<0.1	0.02	9.4	0.1	<0.05	8	<0.5	<0.2
1809152	Soil	33	175	2.00	237	0.083	<1	2.22	0.013	0.22	0.2	<0.01	8.0	0.2	<0.05	7	<0.5	<0.2
1809153	Soil	28	163	1.90	158	0.085	<1	2.50	0.015	0.11	<0.1	0.01	7.4	0.1	<0.05	8	<0.5	<0.2
1809154	Soil	17	291	2.58	179	0.118	1	2.50	0.013	0.11	0.2	0.02	5.4	0.1	0.11	7	0.6	<0.2
1809155	Soil	21	41	0.65	144	0.009	<1	2.29	0.007	0.09	0.2	0.02	4.0	<0.1	<0.05	8	<0.5	<0.2
1809156	Soil	35	309	2.45	163	0.059	1	3.14	0.015	0.05	0.3	0.02	6.1	0.1	0.10	9	0.6	<0.2
1809157	Soil	22	30	0.49	97	0.008	<1	1.71	0.008	0.04	0.1	0.01	1.5	<0.1	0.05	6	<0.5	<0.2
1809158	Soil	23	260	1.99	164	0.039	<1	2.41	0.015	0.04	0.2	0.01	4.6	0.1	<0.05	8	<0.5	<0.2
1809159	Soil	27	40	0.83	154	0.022	<1	2.07	0.010	0.05	0.2	0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
1809160	Soil	26	29	0.73	87	0.044	<1	1.91	0.012	0.05	0.2	<0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
1809161	Soil	36	61	1.27	213	0.023	<1	2.46	0.011	0.06	0.3	0.02	5.5	0.1	<0.05	8	<0.5	<0.2
1809162	Soil	21	27	0.77	64	0.054	<1	1.98	0.011	0.06	0.2	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
1809163	Soil	38	51	1.16	280	0.043	1	2.58	0.014	0.09	0.3	0.02	4.8	0.1	0.10	8	0.9	<0.2
1809164	Soil	28	43	1.09	302	0.025	<1	2.42	0.010	0.07	0.2	0.02	2.8	0.2	<0.05	8	<0.5	<0.2
1809165	Soil	30	44	1.16	252	0.032	<1	2.27	0.010	0.06	0.2	<0.01	3.3	0.1	<0.05	6	<0.5	<0.2
1809166	Soil	19	45	1.12	100	0.107	<1	2.24	0.027	0.13	0.2	0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
1809167	Soil	21	28	0.93	73	0.088	<1	1.80	0.014	0.06	0.3	0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
1809168	Soil	36	47	0.84	123	0.052	<1	1.71	0.011	0.06	0.3	0.02	3.1	<0.1	0.06	6	<0.5	<0.2
1809169	Soil	26	37	1.15	277	0.038	<1	1.87	0.011	0.11	0.3	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
1809170	Soil	25	28	0.49	103	0.023	<1	1.62	0.010	0.05	0.1	0.02	1.4	<0.1	<0.05	6	<0.5	<0.2
1809171	Soil	27	62	1.15	225	0.022	<1	2.40	0.009	0.06	0.3	0.02	4.5	0.1	<0.05	8	<0.5	<0.2
1809172	Soil	34	63	1.32	146	0.029	<1	1.80	0.010	0.08	0.2	0.01	4.8	<0.1	<0.05	6	<0.5	<0.2
1809173	Soil	18	260	2.13	166	0.045	<1	2.70	0.014	0.05	0.2	0.01	3.4	0.2	0.08	9	<0.5	<0.2
1809174	Soil	29	266	2.20	186	0.096	2	2.31	0.012	0.12	0.2	0.03	4.8	0.2	0.10	7	0.7	<0.2
1809175	Soil	38	189	1.92	213	0.083	<1	2.09	0.013	0.21	0.1	0.01	6.9	0.2	<0.05	7	<0.5	<0.2
1809176	Soil	25	40	1.47	92	0.039	<1	2.21	0.010	0.09	0.2	0.01	8.8	<0.1	<0.05	8	<0.5	<0.2
1809177	Soil	28	12	0.12	52	0.004	<1	1.10	0.007	0.03	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1809178	Soil	76	24	1.33	116	0.024	<1	2.30	0.006	0.08	0.1	0.02	16.6	<0.1	<0.05	9	0.9	<0.2
1809179	Soil	22	68	1.13	177	0.073	<1	1.95	0.017	0.17	0.2	0.02	8.2	0.1	0.06	7	<0.5	<0.2
1809180	Soil	25	85	1.73	125	0.049	<1	3.21	0.006	0.12	<0.1	0.01	9.1	0.1	0.05	11	0.5	<0.2



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Whitehorse Yukon Y1A 4T3 Canada

Project: PIKE
Report Date: October 08, 2020

Page: 3 of 10

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI20000346.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
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	0.01	0.1	0.01	0.05	1	0.5	0.2	
1809181	Soil	28	87	1.69	263	0.104	<1	2.61	0.010	0.21	<0.1	0.02	10.1	0.2	0.06	9	<0.5	<0.2
1809182	Soil	37	175	1.84	223	0.078	<1	2.01	0.012	0.19	0.1	<0.01	6.5	0.2	<0.05	7	<0.5	<0.2
1809183	Soil	33	126	1.83	140	0.086	<1	2.71	0.009	0.16	<0.1	0.02	7.6	0.2	0.08	9	<0.5	<0.2
1809184	Soil	18	166	1.94	137	0.098	<1	2.77	0.008	0.10	0.2	<0.01	5.9	0.2	0.06	10	<0.5	<0.2
1809185	Soil	17	130	1.83	169	0.101	<1	2.96	0.010	0.27	<0.1	<0.01	6.1	0.2	<0.05	9	<0.5	<0.2
1809186	Soil	12	185	2.10	177	0.132	<1	2.87	0.010	0.08	<0.1	0.02	5.5	0.2	<0.05	10	<0.5	<0.2
1809187	Soil	11	474	3.12	173	0.128	<1	2.64	0.015	0.18	0.1	<0.01	4.8	0.2	<0.05	8	<0.5	<0.2
1809188	Soil	23	473	3.17	129	0.089	<1	2.72	0.015	0.11	0.3	0.01	5.6	0.2	<0.05	7	<0.5	<0.2
1809189	Soil	38	111	1.53	191	0.040	1	2.23	0.010	0.07	0.6	0.02	7.6	<0.1	0.07	7	<0.5	<0.2
1809190	Soil	35	55	1.21	195	0.043	<1	1.67	0.009	0.10	0.4	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
1809191	Soil	19	123	1.55	211	0.091	<1	2.39	0.012	0.11	0.3	0.01	4.0	0.1	<0.05	8	<0.5	<0.2
1809192	Soil	29	83	1.31	182	0.057	1	2.33	0.011	0.06	0.2	0.07	3.4	0.1	0.14	7	0.7	<0.2
1809193	Soil	28	75	1.68	96	0.021	<1	2.53	0.009	0.06	0.6	2.11	9.1	<0.1	<0.05	7	<0.5	<0.2
1809194	Soil	22	72	1.53	193	0.145	<1	2.16	0.016	0.19	0.3	0.02	5.7	0.2	<0.05	7	<0.5	<0.2
1809195	Soil	13	69	0.80	202	0.043	3	1.34	0.010	0.08	0.3	0.07	2.0	<0.1	0.20	5	0.5	<0.2
1809196	Soil	23	55	1.26	288	0.106	2	2.17	0.016	0.17	0.3	0.05	4.9	0.2	0.08	7	<0.5	<0.2
1809197	Soil	27	53	1.43	270	0.105	1	2.76	0.016	0.11	0.4	0.06	4.6	0.2	0.12	9	0.6	<0.2
1809198	Soil	19	49	1.53	162	0.147	<1	2.50	0.017	0.16	0.7	0.02	4.9	0.2	<0.05	8	<0.5	<0.2
1809199	Soil	22	38	0.99	155	0.113	<1	1.98	0.016	0.15	0.8	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
1809200	Soil	16	36	0.81	139	0.079	1	1.99	0.017	0.08	1.2	0.05	2.1	0.2	0.13	6	<0.5	<0.2
1809201	Soil	23	27	0.87	84	0.064	<1	1.86	0.012	0.05	0.3	0.01	3.6	<0.1	<0.05	6	<0.5	<0.2
1809202	Soil	31	40	1.14	102	0.058	<1	2.22	0.013	0.09	0.2	<0.01	5.0	<0.1	<0.05	8	<0.5	<0.2
1809203	Soil	28	43	1.18	121	0.070	<1	2.05	0.012	0.07	0.5	0.01	5.0	<0.1	<0.05	7	<0.5	<0.2
1809204	Soil	33	42	1.17	125	0.071	<1	2.40	0.013	0.07	0.3	<0.01	6.5	<0.1	<0.05	8	<0.5	<0.2
1809205	Soil	22	33	1.14	117	0.079	<1	2.53	0.016	0.07	0.4	<0.01	5.0	<0.1	<0.05	8	<0.5	<0.2
1809206	Soil	17	27	0.66	58	0.056	1	2.65	0.010	0.04	0.3	0.05	2.3	0.1	0.08	8	0.8	<0.2
1809207	Soil	18	50	1.36	119	0.101	1	2.46	0.024	0.15	0.6	0.02	5.0	0.1	<0.05	8	0.6	<0.2
1809208	Soil	28	68	2.07	224	0.104	<1	3.33	0.022	0.14	0.5	0.01	8.3	0.2	<0.05	11	0.7	<0.2
1809209	Soil	14	28	1.01	73	0.107	<1	1.94	0.012	0.10	0.4	<0.01	3.2	<0.1	<0.05	7	<0.5	<0.2
1809210	Soil	16	29	1.07	80	0.100	<1	2.23	0.011	0.10	0.3	0.01	3.5	<0.1	<0.05	7	<0.5	<0.2



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Project: PIKE
Report Date: October 08, 2020

Page: 4 of 10

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI20000346.1

Method Analyte Unit MDL	AQ201																	
	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te	
	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1809211	Soil	18	28	1.02	75	0.111	<1	2.46	0.013	0.12	0.3	0.02	3.7	0.1	<0.05	7	<0.5	<0.2
1809212	Soil	26	27	0.83	75	0.041	<1	2.00	0.010	0.05	0.3	0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
1809213	Soil	23	28	1.07	109	0.108	<1	1.68	0.015	0.14	0.4	<0.01	4.2	0.1	<0.05	6	<0.5	<0.2
1809214	Soil	18	19	0.65	59	0.041	<1	1.87	0.008	0.04	0.3	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
1809215	Soil	38	31	0.70	77	0.020	<1	1.78	0.007	0.05	0.4	0.02	3.2	<0.1	0.06	6	0.6	<0.2
1809216	Soil	27	27	0.73	109	0.024	<1	1.98	0.008	0.05	0.2	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
1809217	Soil	65	43	0.90	184	0.051	1	2.75	0.010	0.04	3.1	0.05	2.4	0.2	0.22	11	1.5	<0.2
1809218	Soil	15	21	0.38	58	0.012	<1	1.73	0.007	0.06	0.2	0.05	0.6	<0.1	0.09	7	0.5	<0.2
1809219	Soil	44	22	0.43	207	0.008	<1	1.83	0.008	0.06	0.2	0.03	2.8	0.1	0.05	6	0.7	<0.2
1809220	Soil	40	24	0.48	72	0.044	<1	1.00	0.009	0.06	0.4	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
1809221	Soil	32	27	0.78	89	0.062	<1	1.26	0.011	0.06	0.3	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
1809222	Soil	36	27	0.95	117	0.061	<1	1.82	0.010	0.08	0.3	<0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
1809223	Soil	28	25	0.86	81	0.045	<1	1.74	0.009	0.07	0.3	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
1809224	Soil	33	24	0.95	197	0.038	<1	2.02	0.010	0.06	0.3	<0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
1809225	Soil	15	25	0.72	44	0.047	<1	2.09	0.009	0.05	0.2	0.03	2.1	<0.1	<0.05	6	0.5	<0.2
1809226	Soil	26	39	0.71	68	0.056	<1	1.12	0.012	0.06	0.4	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
1809227	Soil	25	27	0.84	136	0.054	<1	1.58	0.011	0.03	0.3	<0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
1809228	Soil	29	46	1.09	256	0.078	<1	2.11	0.015	0.05	0.2	0.01	4.9	<0.1	<0.05	8	<0.5	<0.2
1809229	Soil	26	37	0.81	95	0.053	<1	1.37	0.010	0.05	0.3	<0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
1809230	Soil	53	47	0.92	226	0.052	<1	2.04	0.014	0.04	0.2	0.03	4.5	0.2	0.13	7	0.9	<0.2
1809231	Soil	18	23	1.01	93	0.073	<1	2.05	0.013	0.12	0.2	0.01	3.0	<0.1	<0.05	7	<0.5	<0.2
1809232	Soil	24	33	0.63	42	0.044	<1	1.47	0.009	0.05	0.2	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
1809233	Soil	33	91	1.27	214	0.037	1	2.01	0.012	0.07	0.3	0.03	4.1	0.1	0.08	6	0.6	<0.2
1809234	Soil	22	70	1.10	116	0.042	<1	2.03	0.010	0.06	0.3	0.02	3.2	<0.1	0.05	7	<0.5	<0.2
1809235	Soil	25	26	0.81	80	0.070	<1	1.39	0.011	0.05	0.3	<0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
1809236	Soil	26	31	0.70	136	0.015	<1	2.05	0.007	0.06	0.2	0.01	2.7	<0.1	0.06	8	<0.5	<0.2
1809237	Soil	20	25	0.68	107	0.023	<1	1.67	0.008	0.04	0.1	<0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
1809238	Soil	58	83	0.92	222	0.012	<1	2.58	0.009	0.05	0.2	0.04	4.1	0.1	0.15	8	1.1	<0.2
1809239	Soil	32	23	0.55	105	0.044	<1	1.02	0.011	0.06	0.2	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
1809240	Soil	35	39	1.21	141	0.085	<1	1.93	0.018	0.10	0.2	<0.01	5.8	<0.1	<0.05	8	<0.5	<0.2



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Page: 5 of 10

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI20000346.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
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	0.01	0.01	0.1	0.05	1	0.5	0.2	
1809241	Soil	25	15	0.41	70	0.015	<1	1.47	0.008	0.04	0.1	<0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
1809242	Soil	39	13	0.36	125	0.026	<1	0.87	0.010	0.04	0.1	<0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
1809243	Soil	67	27	0.65	217	0.019	<1	2.27	0.012	0.10	0.2	0.02	5.1	<0.1	<0.05	7	1.0	<0.2
1809244	Soil	27	10	0.24	79	0.005	<1	1.31	0.007	0.04	0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
1809245	Soil	19	12	0.28	55	0.009	<1	1.56	0.007	0.04	0.1	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
1809246	Soil	19	11	0.20	90	0.004	<1	1.70	0.005	0.04	0.2	0.04	1.6	0.1	0.06	6	<0.5	<0.2
1809247	Soil	38	13	0.37	129	0.020	<1	1.13	0.009	0.05	<0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
1809248	Soil	52	33	0.57	119	0.009	<1	1.80	0.007	0.05	0.2	0.02	3.6	<0.1	0.06	7	0.7	<0.2
1809249	Soil	35	29	1.21	174	0.024	<1	1.90	0.008	0.08	0.1	0.01	9.2	<0.1	<0.05	7	0.6	<0.2
1809250	Soil	24	32	1.17	103	0.026	<1	1.91	0.008	0.08	0.2	0.01	6.9	<0.1	<0.05	7	<0.5	<0.2
1809351	Soil	38	61	1.39	163	0.022	<1	1.88	0.009	0.08	0.3	0.02	5.5	<0.1	<0.05	7	<0.5	<0.2
1809352	Soil	32	319	2.46	136	0.065	<1	2.58	0.013	0.03	0.2	0.02	5.5	<0.1	<0.05	8	<0.5	<0.2
1809353	Soil	22	243	2.32	143	0.113	<1	2.69	0.012	0.08	0.3	<0.01	4.8	0.2	<0.05	8	<0.5	<0.2
1809354	Soil	24	184	2.35	277	0.105	<1	2.39	0.011	0.23	<0.1	<0.01	8.1	0.2	<0.05	8	<0.5	<0.2
1809355	Soil	29	69	1.43	179	0.047	<1	2.38	0.009	0.06	<0.1	0.02	9.3	0.1	<0.05	9	0.6	<0.2
1809356	Soil	44	22	0.77	383	0.013	<1	1.45	0.006	0.08	0.1	0.02	9.4	<0.1	<0.05	5	0.6	<0.2
1809357	Soil	19	11	1.05	162	0.012	2	2.61	0.006	0.20	3.3	0.01	4.8	0.2	<0.05	7	<0.5	<0.2
1809358	Soil	18	17	0.96	78	0.054	<1	2.30	0.012	0.09	0.4	0.01	4.1	<0.1	<0.05	9	<0.5	<0.2
1809359	Soil	17	17	1.34	95	0.080	<1	1.88	0.012	0.06	0.5	<0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
1809360	Soil	24	17	1.11	78	0.054	<1	1.80	0.010	0.05	0.2	<0.01	4.6	<0.1	<0.05	7	<0.5	<0.2
1809361	Soil	34	12	0.87	300	0.011	<1	1.46	0.005	0.12	0.6	<0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
1809362	Soil	22	15	1.13	135	0.048	2	1.82	0.010	0.13	0.8	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
1809363	Soil	36	19	1.38	77	0.055	<1	2.13	0.020	0.08	0.2	0.03	7.8	<0.1	<0.05	8	<0.5	<0.2
1809364	Soil	13	20	1.57	220	0.172	<1	3.30	0.015	0.15	0.3	<0.01	7.9	0.1	<0.05	9	<0.5	<0.2
1809365	Soil	35	19	1.37	77	0.012	<1	1.96	0.010	0.05	<0.1	0.01	6.5	<0.1	<0.05	8	<0.5	<0.2
1809366	Soil	50	28	1.33	123	0.011	<1	1.94	0.009	0.08	<0.1	<0.01	7.6	<0.1	<0.05	7	<0.5	<0.2
1809367	Soil	52	70	1.78	107	0.028	<1	2.45	0.015	0.08	<0.1	<0.01	9.1	<0.1	<0.05	8	<0.5	<0.2
1809368	Soil	66	27	1.13	124	0.014	<1	1.72	0.010	0.08	<0.1	0.02	8.3	<0.1	<0.05	7	<0.5	<0.2
1809369	Soil	74	30	1.53	128	0.013	<1	2.35	0.013	0.10	0.1	0.04	10.6	<0.1	<0.05	9	<0.5	<0.2
1809370	Soil	38	28	1.38	108	0.020	<1	2.42	0.009	0.10	0.1	<0.01	8.2	<0.1	<0.05	9	<0.5	<0.2



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Page: 6 of 10

Part: 1 of 2

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WHI20000346.1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	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	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1809371	Soil	1.0	31.2	49.8	77	0.2	21.5	18.0	1302	3.66	2.9	6.6	2.4	37.9	47	0.3	0.2	0.5	68	1.05	0.104
1809372	Soil	1.5	33.8	39.9	153	1.2	71.9	25.7	1536	5.20	4.9	2.6	11.5	17.4	46	0.4	0.3	1.2	103	0.79	0.146
1809401	Soil	2.7	25.6	42.3	186	0.2	9.9	7.4	657	2.95	2.1	7.9	2.0	10.3	17	0.5	0.1	0.6	36	0.23	0.082
1809402	Soil	6.5	25.2	16.5	64	<0.1	10.9	9.0	530	2.40	5.2	14.7	2.2	12.4	30	0.2	0.1	0.3	57	0.34	0.046
1809403	Soil	2.3	29.5	21.7	72	<0.1	15.8	11.4	681	2.69	1.8	2.5	0.6	18.1	30	0.3	0.3	0.3	50	0.46	0.084
1809404	Soil	1.0	42.0	17.3	65	0.2	15.1	12.6	829	2.98	1.4	1.9	0.7	17.3	43	0.3	0.2	0.2	60	0.70	0.105
1809405	Soil	1.4	39.9	13.4	62	0.2	13.4	12.2	689	2.97	1.1	3.4	0.8	14.9	43	0.2	0.2	0.2	62	0.59	0.105
1809406	Soil	2.6	21.5	9.3	63	<0.1	14.6	12.3	474	3.35	1.0	3.4	1.1	10.0	23	<0.1	<0.1	0.1	74	0.41	0.107
1809407	Soil	0.8	20.5	12.1	53	<0.1	11.2	10.1	576	2.64	1.6	1.7	1.5	8.0	24	0.2	0.2	0.2	53	0.37	0.098
1809408	Soil	3.0	12.2	8.9	44	0.1	10.0	6.3	254	2.06	0.7	3.5	4.2	1.9	31	<0.1	<0.1	0.2	48	0.39	0.099
1809409	Soil	4.9	29.2	11.2	72	0.1	22.8	15.9	746	3.52	2.2	10.4	2.8	10.4	41	0.2	0.2	0.2	89	0.74	0.105
1809410	Soil	2.6	16.8	8.3	45	0.1	10.9	7.5	346	2.21	0.9	5.0	0.8	7.6	27	0.1	<0.1	0.2	53	0.40	0.095
1809411	Soil	2.1	16.5	12.3	55	0.1	12.9	8.6	313	1.93	0.7	3.7	8.2	10.6	26	0.1	0.1	0.2	50	0.42	0.097
1809412	Soil	3.0	14.7	9.8	45	<0.1	10.9	7.7	423	2.32	0.9	2.2	1.0	4.7	29	<0.1	<0.1	0.3	53	0.40	0.086
1809413	Soil	2.5	15.0	10.7	52	<0.1	12.1	9.6	583	2.59	0.9	2.4	0.7	4.2	26	0.2	0.1	0.2	58	0.36	0.082
1809414	Soil	1.2	25.4	13.5	55	0.1	12.9	11.0	587	2.86	1.3	1.6	1.3	8.9	29	0.2	0.2	0.2	57	0.51	0.101
1809415	Soil	1.1	20.0	8.3	63	<0.1	15.4	10.6	520	2.68	1.2	1.7	1.6	7.5	29	0.1	<0.1	0.1	60	0.44	0.112
1809416	Soil	0.6	20.4	10.9	46	<0.1	11.1	10.0	551	2.52	0.9	1.4	1.5	12.1	28	0.2	0.2	0.1	54	0.46	0.113
1809417	Soil	2.5	15.3	28.1	68	<0.1	14.4	10.1	617	2.58	1.6	3.1	<0.5	13.3	32	0.3	0.3	0.5	49	0.43	0.065
1809418	Soil	3.7	14.9	13.2	63	<0.1	11.9	8.3	445	2.62	1.2	2.9	0.8	8.9	26	0.2	0.1	0.3	55	0.34	0.083
1809419	Soil	7.3	17.4	18.6	70	0.3	16.5	8.8	638	2.82	1.5	11.5	1.6	4.7	29	0.1	0.1	0.5	46	0.36	0.104
1809420	Soil	5.5	10.2	20.6	72	<0.1	10.7	6.9	533	2.13	2.0	3.8	<0.5	17.7	19	0.2	0.2	0.5	34	0.25	0.051
1809421	Soil	13.5	8.9	20.8	81	0.3	12.8	7.0	316	2.52	1.7	11.6	1.0	9.0	21	<0.1	0.1	0.4	45	0.23	0.062
1809422	Soil	2.1	21.8	10.0	91	0.2	18.6	13.6	670	3.50	1.3	6.3	<0.5	13.3	40	0.3	<0.1	0.2	75	0.79	0.174
1809423	Soil	4.1	16.1	22.8	89	0.1	10.9	7.7	753	2.22	2.1	5.9	1.8	16.2	23	0.5	0.2	0.4	31	0.35	0.070
1809424	Soil	6.2	18.5	31.4	138	0.4	8.3	5.6	380	2.06	1.5	9.6	2.0	11.0	22	0.2	0.1	0.6	29	0.29	0.065
1809425	Soil	3.9	31.5	40.5	235	0.8	13.1	7.1	522	2.92	2.2	9.0	3.0	11.3	31	0.5	0.1	0.7	34	0.37	0.077
1809426	Soil	1.9	8.3	37.6	103	0.1	3.8	3.2	460	1.95	1.3	2.0	1.7	6.8	7	0.3	0.1	0.4	16	0.09	0.051
1809427	Soil	1.7	6.8	27.2	109	<0.1	3.3	3.2	452	1.80	1.4	2.5	<0.5	7.8	5	0.3	0.1	0.3	17	0.05	0.044
1809428	Soil	2.8	14.2	107.6	216	0.2	3.8	2.7	602	1.83	0.7	2.2	1.3	8.0	7	0.4	<0.1	0.5	11	0.09	0.051



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Page: 6 of 10

Part: 2 of 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
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	0.01	0.01	0.1	0.05	1	0.5	0.2	
1809371	Soil	41	41	1.31	99	0.008	<1	2.07	0.008	0.08	<0.1	<0.01	10.3	<0.1	<0.05	8	<0.5	<0.2
1809372	Soil	41	184	2.43	469	0.019	<1	2.87	0.008	0.16	0.2	0.02	17.1	<0.1	<0.05	8	<0.5	<0.2
1809401	Soil	55	19	0.55	139	0.008	<1	1.76	0.007	0.05	0.2	0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
1809402	Soil	25	22	0.94	70	0.064	<1	1.39	0.010	0.04	0.8	<0.01	3.3	<0.1	<0.05	6	<0.5	<0.2
1809403	Soil	25	25	0.94	104	0.066	<1	1.92	0.010	0.06	0.3	<0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
1809404	Soil	30	26	1.01	115	0.064	<1	1.55	0.014	0.09	0.4	<0.01	4.8	<0.1	<0.05	6	<0.5	<0.2
1809405	Soil	32	22	1.01	116	0.066	<1	1.64	0.013	0.07	0.3	<0.01	4.9	<0.1	<0.05	6	<0.5	<0.2
1809406	Soil	19	26	1.17	93	0.121	<1	1.99	0.010	0.10	0.2	<0.01	3.9	0.1	<0.05	7	<0.5	<0.2
1809407	Soil	20	19	0.85	58	0.056	<1	1.89	0.008	0.05	0.3	0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
1809408	Soil	16	23	0.61	116	0.030	<1	1.46	0.010	0.03	0.2	0.02	1.2	0.1	0.07	5	<0.5	<0.2
1809409	Soil	27	39	1.33	189	0.107	<1	2.41	0.015	0.10	0.3	0.01	4.8	0.1	<0.05	8	<0.5	<0.2
1809410	Soil	23	24	0.73	71	0.053	<1	1.26	0.010	0.04	0.4	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
1809411	Soil	24	25	0.86	99	0.059	<1	1.53	0.010	0.03	0.2	0.01	3.2	<0.1	<0.05	5	<0.5	<0.2
1809412	Soil	18	22	0.68	89	0.044	<1	1.33	0.010	0.04	0.4	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
1809413	Soil	21	26	0.73	77	0.040	<1	1.39	0.008	0.06	0.3	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
1809414	Soil	27	24	0.95	174	0.054	<1	1.80	0.012	0.09	0.2	0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
1809415	Soil	16	26	0.95	107	0.094	<1	1.51	0.017	0.13	0.3	<0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
1809416	Soil	25	20	0.81	115	0.062	<1	1.37	0.009	0.08	0.2	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
1809417	Soil	21	23	0.94	103	0.060	<1	1.71	0.009	0.05	0.3	0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
1809418	Soil	28	28	0.67	54	0.037	<1	1.45	0.007	0.03	0.2	<0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
1809419	Soil	59	37	0.69	154	0.015	<1	2.05	0.008	0.04	0.2	0.03	2.8	0.1	0.06	6	<0.5	<0.2
1809420	Soil	26	21	0.60	95	0.031	<1	1.58	0.009	0.05	0.2	<0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
1809421	Soil	42	26	0.67	184	0.014	<1	1.83	0.007	0.04	0.3	0.01	3.0	<0.1	0.06	7	<0.5	<0.2
1809422	Soil	28	36	1.20	123	0.085	<1	1.54	0.008	0.11	0.2	<0.01	4.1	0.1	<0.05	7	<0.5	<0.2
1809423	Soil	44	18	0.55	157	0.028	<1	1.23	0.010	0.06	0.1	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
1809424	Soil	46	16	0.58	138	0.005	<1	1.67	0.009	0.04	0.2	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
1809425	Soil	58	22	0.65	245	0.012	<1	2.09	0.010	0.08	0.1	0.02	4.8	<0.1	<0.05	6	1.1	<0.2
1809426	Soil	27	9	0.25	83	0.006	<1	1.09	0.006	0.03	0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1809427	Soil	25	7	0.26	60	0.004	<1	1.10	0.006	0.03	0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1809428	Soil	29	7	0.19	76	0.003	<1	1.35	0.007	0.04	0.1	0.03	2.0	<0.1	<0.05	3	0.6	<0.2



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Report Date: October 08, 2020

Page: 7 of 10

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI20000346.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1809429	Soil	2.6	15.9	26.8	116	<0.1	11.7	13.0	783	3.34	1.0	2.9	1.9	5.6	16	0.4	0.1	0.3	44	0.21	0.061
1809430	Soil	5.3	25.5	15.9	120	0.4	17.3	12.6	480	3.70	0.7	10.5	1.0	5.2	66	0.3	0.1	0.3	72	0.69	0.159
1809431	Soil	1.7	41.3	6.8	64	0.2	67.0	27.6	914	4.57	2.0	1.7	17.4	7.4	37	<0.1	<0.1	0.6	82	0.76	0.158
1809432	Soil	15.3	9.5	24.9	94	0.1	6.3	4.8	235	1.22	<0.5	24.8	<0.5	18.4	26	0.4	0.1	0.3	27	0.35	0.043
1809433	Soil	2.3	11.8	21.1	79	0.1	6.1	5.0	626	2.04	1.1	2.8	<0.5	22.0	22	0.2	0.1	0.3	23	0.33	0.054
1809434	Soil	1.6	6.0	29.7	77	<0.1	4.6	3.7	529	1.78	0.9	1.8	<0.5	14.5	7	0.2	<0.1	0.2	17	0.11	0.046
1809435	Soil	4.1	15.9	21.0	74	0.1	10.6	7.5	686	2.21	2.0	6.9	2.0	21.9	25	0.3	0.2	0.4	30	0.33	0.074
1809436	Soil	6.8	30.8	30.6	126	0.2	43.5	11.8	618	3.26	1.8	4.4	1.7	7.6	34	0.2	0.1	0.6	44	0.45	0.074
1809437	Soil	2.0	11.7	19.3	61	<0.1	15.1	5.5	412	1.92	1.7	1.9	8.8	4.9	17	0.1	0.1	0.4	28	0.24	0.069
1809438	Soil	3.2	27.1	14.2	56	0.2	72.3	19.0	631	3.28	1.6	2.5	1.0	8.4	46	0.2	0.1	0.5	52	0.65	0.112
1809439	Soil	3.2	16.0	28.6	91	<0.1	11.9	7.8	524	2.52	1.7	2.4	0.7	4.7	26	0.3	0.2	0.4	40	0.29	0.057
1809440	Soil	2.1	18.5	23.1	71	0.1	15.1	8.2	634	2.42	2.5	2.6	<0.5	5.2	32	0.3	0.2	0.5	40	0.41	0.053
1809441	Soil	2.8	20.5	14.2	55	0.2	17.7	11.2	757	2.85	1.6	3.9	3.5	8.5	42	0.2	<0.1	0.4	58	0.58	0.118
1809442	Soil	1.8	17.1	25.1	58	<0.1	14.0	8.7	543	2.40	2.9	2.1	<0.5	7.2	24	0.3	0.3	0.6	43	0.31	0.081
1809443	Soil	4.6	18.2	23.9	65	<0.1	18.3	9.4	620	2.73	1.9	5.2	<0.5	3.7	34	0.1	0.2	0.5	56	0.46	0.055
1809444	Soil	1.3	22.4	32.2	60	0.3	18.5	12.0	682	2.93	1.4	2.6	8.2	11.6	45	0.3	0.1	0.9	53	0.49	0.114
1809445	Soil	3.1	21.3	19.0	63	0.3	18.4	10.5	411	2.32	1.1	10.0	0.9	6.4	38	0.1	<0.1	0.4	45	0.47	0.090
1809446	Soil	1.2	25.0	12.3	51	0.1	12.5	9.6	477	3.00	1.3	1.9	0.8	3.8	35	0.1	0.2	0.2	56	0.50	0.080
1809447	Soil	1.0	9.3	15.8	47	<0.1	7.4	7.0	436	2.56	1.9	1.4	7.2	2.2	14	0.2	<0.1	0.2	55	0.21	0.099
1809448	Soil	2.5	23.0	27.8	76	0.2	19.8	11.9	761	3.27	2.0	3.4	0.7	2.2	34	0.2	0.1	0.4	63	0.39	0.111
1809449	Soil	1.1	14.5	18.2	64	<0.1	13.6	10.3	607	3.04	2.1	2.0	0.9	3.2	35	0.2	0.2	0.3	55	0.43	0.068
1809450	Soil	2.5	15.0	21.0	67	<0.1	13.6	9.0	643	2.59	2.2	3.0	1.3	10.4	21	<0.1	0.2	0.5	45	0.31	0.075
1809451	Soil	2.6	22.0	17.5	59	<0.1	11.2	9.0	441	2.49	3.1	3.6	<0.5	4.7	21	0.2	0.3	0.4	44	0.26	0.093
1809452	Soil	1.3	23.7	15.0	59	0.1	11.7	10.4	625	2.69	3.5	9.3	<0.5	9.7	39	0.1	0.4	0.3	59	0.47	0.084
1809453	Soil	2.7	37.0	20.9	68	0.2	12.5	12.5	724	3.27	2.9	3.4	1.3	6.6	44	0.1	0.2	0.3	64	0.47	0.086
1809454	Soil	5.9	33.4	10.9	59	0.3	15.0	9.6	440	2.65	3.8	25.7	6.1	8.7	39	0.2	0.2	0.3	63	0.48	0.099
1809455	Soil	4.9	49.7	16.2	75	0.4	18.7	16.0	1061	3.54	2.9	11.0	12.4	13.4	47	0.2	0.2	0.8	63	0.62	0.089
1809456	Soil	1.0	24.9	13.8	61	<0.1	13.5	12.6	663	3.13	1.8	2.1	<0.5	13.7	39	0.1	0.2	0.2	61	0.58	0.087
1809457	Soil	0.9	25.2	18.6	73	<0.1	14.9	14.4	794	3.56	2.0	1.7	0.7	9.6	48	0.2	0.2	0.2	68	0.59	0.107
1809458	Soil	3.2	37.6	17.6	83	0.2	19.3	16.4	1185	3.93	2.9	7.2	8.2	5.0	47	<0.1	0.1	0.7	75	0.66	0.107



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Page: 7 of 10

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI20000346.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	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	0.01	0.01	0.1	0.05	1	0.5	0.2	0.2
1809429	Soil	24	39	0.61	132	0.003	<1	1.21	0.006	0.04	0.1	0.01	4.9	<0.1	<0.05	4	<0.5	0.3
1809430	Soil	56	18	1.16	226	0.008	<1	1.95	0.007	0.04	0.1	0.03	7.4	<0.1	<0.05	6	0.8	<0.2
1809431	Soil	28	163	2.03	235	0.079	<1	2.02	0.010	0.15	0.1	0.01	7.7	0.1	<0.05	7	<0.5	<0.2
1809432	Soil	47	14	0.47	231	0.009	<1	1.24	0.010	0.06	<0.1	0.01	3.4	<0.1	0.15	4	1.0	<0.2
1809433	Soil	49	11	0.45	192	0.018	<1	1.04	0.011	0.06	<0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
1809434	Soil	35	8	0.35	87	0.008	<1	1.29	0.008	0.04	0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
1809435	Soil	43	18	0.58	151	0.034	<1	1.35	0.011	0.07	0.1	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
1809436	Soil	28	84	1.11	164	0.012	<1	2.48	0.010	0.05	0.2	0.02	3.7	0.1	<0.05	7	<0.5	<0.2
1809437	Soil	24	27	0.58	100	0.014	<1	1.59	0.010	0.04	0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
1809438	Soil	27	169	1.78	165	0.036	<1	1.81	0.010	0.07	0.3	0.02	4.4	<0.1	<0.05	5	0.6	<0.2
1809439	Soil	24	24	0.66	138	0.015	<1	1.82	0.009	0.04	0.2	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
1809440	Soil	24	27	0.74	145	0.025	<1	1.87	0.011	0.07	0.2	0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
1809441	Soil	29	38	1.00	179	0.048	<1	1.57	0.013	0.08	0.3	0.02	3.9	<0.1	0.06	5	<0.5	<0.2
1809442	Soil	21	27	0.72	62	0.037	<1	1.82	0.009	0.04	0.3	0.03	2.3	<0.1	<0.05	5	0.7	<0.2
1809443	Soil	21	36	0.83	149	0.034	<1	1.71	0.009	0.05	0.4	0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
1809444	Soil	26	27	1.07	270	0.034	<1	1.58	0.013	0.10	0.3	0.01	3.6	<0.1	<0.05	5	<0.5	<0.2
1809445	Soil	31	38	0.91	197	0.034	<1	1.65	0.011	0.05	0.3	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
1809446	Soil	22	25	0.79	148	0.063	<1	1.65	0.014	0.06	0.3	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
1809447	Soil	20	23	0.38	50	0.025	<1	1.22	0.008	0.05	0.2	0.02	1.1	<0.1	0.06	3	<0.5	<0.2
1809448	Soil	26	42	1.09	214	0.031	<1	2.09	0.010	0.06	0.3	0.02	2.1	<0.1	0.07	7	<0.5	<0.2
1809449	Soil	24	29	0.97	110	0.044	<1	2.03	0.012	0.04	0.2	0.02	3.0	<0.1	<0.05	7	<0.5	<0.2
1809450	Soil	28	26	0.78	123	0.034	<1	1.72	0.010	0.07	0.2	0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
1809451	Soil	18	17	0.83	43	0.026	1	2.20	0.009	0.05	0.3	0.02	2.9	<0.1	<0.05	6	0.5	<0.2
1809452	Soil	21	20	1.03	80	0.066	<1	1.94	0.012	0.05	0.5	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
1809453	Soil	22	24	1.23	107	0.032	<1	2.46	0.009	0.05	0.4	0.02	4.0	<0.1	<0.05	7	0.6	<0.2
1809454	Soil	33	34	0.99	87	0.061	<1	1.88	0.012	0.05	0.8	0.02	4.3	<0.1	<0.05	6	<0.5	<0.2
1809455	Soil	32	35	1.56	151	0.053	<1	2.55	0.013	0.08	0.5	0.03	6.1	0.1	<0.05	8	<0.5	<0.2
1809456	Soil	22	24	1.07	112	0.062	<1	2.06	0.011	0.06	0.3	0.01	4.6	<0.1	<0.05	6	<0.5	<0.2
1809457	Soil	21	31	1.48	100	0.067	<1	2.71	0.011	0.08	0.2	0.01	5.4	<0.1	<0.05	9	<0.5	<0.2
1809458	Soil	27	34	1.51	158	0.052	<1	2.93	0.011	0.09	0.4	0.02	4.9	0.1	<0.05	10	0.6	<0.2



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Page: 8 of 10

Part: 1 of 2

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	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1809459	Soil	3.9	38.5	18.1	81	0.2	20.2	15.0	959	4.03	3.2	9.9	7.2	2.1	43	<0.1	0.2	1.3	91	0.54	0.093
1809460	Soil	1.1	29.3	8.6	72	<0.1	17.4	13.2	660	3.35	1.5	3.0	11.2	6.6	32	<0.1	<0.1	0.2	78	0.56	0.122
1809461	Soil	1.1	22.9	8.2	62	<0.1	14.9	12.4	608	3.24	1.5	3.2	3.7	6.0	30	<0.1	<0.1	0.2	78	0.60	0.141
1809462	Soil	1.0	18.3	12.0	62	<0.1	12.7	10.9	646	2.90	1.9	4.9	2.1	3.5	30	0.1	0.1	0.2	66	0.40	0.092
1809463	Soil	0.8	21.8	10.3	63	0.1	17.7	13.0	658	3.23	1.8	1.7	3.6	7.2	28	0.1	0.1	0.2	70	0.45	0.096
1809464	Soil	0.7	32.6	10.0	55	0.1	15.7	12.2	674	2.81	1.7	1.6	1.0	9.4	38	0.2	0.2	0.3	63	0.53	0.080
1809465	Soil	6.9	35.0	14.7	76	0.4	23.6	12.8	592	3.25	3.1	20.8	3.5	7.9	46	0.2	0.2	0.4	70	0.67	0.108
1809466	Soil	1.9	34.2	12.4	102	0.1	15.7	18.6	856	4.75	1.8	3.1	0.9	6.8	88	0.2	0.1	0.2	111	1.30	0.154
1809467	Soil	4.2	13.6	17.3	55	<0.1	11.6	6.5	454	2.12	3.0	2.7	8.2	0.9	24	0.2	0.3	0.3	41	0.24	0.079
1809468	Soil	2.7	19.1	12.4	51	<0.1	10.7	7.9	493	2.06	2.1	5.5	<0.5	7.1	29	0.1	0.2	0.2	42	0.40	0.088
1809469	Soil	10.3	26.0	17.3	92	<0.1	17.0	12.6	760	3.70	2.1	11.5	1.4	11.9	21	0.2	0.4	0.3	66	0.34	0.109
1809470	Soil	9.6	18.5	44.7	134	0.8	11.9	6.6	638	2.83	7.3	19.3	7.4	9.4	26	0.1	0.2	1.0	36	0.41	0.093
1809471	Soil	2.9	16.7	29.0	92	<0.1	7.8	6.9	643	2.94	12.7	2.3	0.8	3.7	8	0.2	0.3	0.4	40	0.13	0.104
1809472	Soil	7.2	25.1	16.0	43	0.5	8.8	4.7	312	1.91	4.2	40.0	1.1	6.0	51	<0.1	0.2	0.3	36	0.62	0.171
1809473	Soil	1.9	23.7	24.7	78	0.2	15.7	10.4	681	2.65	1.8	2.0	1.0	13.9	33	0.4	0.3	0.4	47	0.44	0.081
1809474	Soil	2.8	16.1	24.1	84	<0.1	13.0	8.7	616	2.89	3.3	2.1	2.9	4.7	12	0.2	0.3	0.3	49	0.18	0.096
1809475	Soil	1.8	16.0	23.4	70	0.1	12.2	7.9	545	2.37	2.4	1.8	0.6	5.5	25	0.3	0.2	0.4	42	0.34	0.083
1809476	Soil	3.2	29.0	16.4	62	<0.1	12.8	12.9	884	2.99	2.0	2.4	0.6	16.1	36	0.3	0.2	0.3	56	0.58	0.088
1809477	Soil	1.7	16.3	15.0	56	0.2	10.7	7.7	434	2.23	1.7	1.9	0.8	2.3	32	0.2	0.2	0.3	45	0.40	0.054
1809478	Soil	3.9	17.6	13.9	56	0.1	11.1	8.0	434	2.34	1.8	6.0	0.7	3.5	32	0.1	0.2	0.3	46	0.39	0.055
1809479	Soil	2.5	12.8	14.7	53	<0.1	11.1	8.0	444	2.45	1.9	2.3	<0.5	3.1	27	0.1	0.2	0.3	48	0.31	0.045
1809480	Soil	6.5	12.7	16.1	75	<0.1	14.4	8.4	433	2.52	1.8	2.9	2.0	3.3	26	0.2	0.2	0.3	45	0.30	0.067
1809481	Soil	1.5	14.9	9.1	50	<0.1	13.5	9.5	498	2.51	1.7	2.5	0.5	8.0	36	0.1	0.2	0.2	58	0.53	0.087
1809482	Soil	3.1	19.6	9.7	52	0.2	15.5	11.6	615	2.84	1.9	7.8	4.4	8.5	40	0.1	0.1	0.2	67	0.57	0.098
1809483	Soil	2.2	18.6	13.4	58	<0.1	14.1	10.0	505	2.81	2.8	3.5	3.0	3.9	28	0.1	0.2	0.3	62	0.35	0.070
1809484	Soil	0.6	15.8	5.5	35	<0.1	20.2	10.4	388	2.48	1.6	2.1	1.0	6.9	23	<0.1	<0.1	0.1	57	0.41	0.102
1809485	Soil	1.0	15.3	8.2	41	<0.1	13.1	8.5	398	2.51	1.9	2.3	2.1	1.8	23	<0.1	0.1	0.1	60	0.35	0.071
1809486	Soil	1.2	20.3	9.1	58	<0.1	16.6	10.8	625	2.93	1.6	2.7	1.3	6.5	33	0.2	0.1	0.2	69	0.61	0.105
1809487	Soil	0.8	16.0	8.5	49	0.1	13.1	9.8	585	2.62	1.6	1.4	0.8	2.3	23	0.1	0.1	0.2	58	0.35	0.098
1809488	Soil	0.5	26.8	6.8	51	<0.1	23.7	12.9	550	2.92	1.0	1.5	2.1	5.9	23	<0.1	<0.1	0.2	65	0.43	0.108



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Project: PIKE
Report Date: October 08, 2020

Page: 8 of 10

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI20000346.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
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	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
1809459	Soil	19	34	1.46	250	0.052	<1	3.20	0.012	0.07	0.5	0.03	4.3	0.2	0.08	11	0.8	<0.2
1809460	Soil	22	29	1.28	161	0.122	<1	2.22	0.013	0.16	0.3	<0.01	4.4	0.2	<0.05	7	<0.5	<0.2
1809461	Soil	16	22	1.23	109	0.127	<1	2.26	0.014	0.16	0.4	<0.01	3.8	0.1	<0.05	7	<0.5	<0.2
1809462	Soil	17	23	1.00	88	0.078	<1	2.07	0.011	0.10	0.3	0.01	3.2	<0.1	<0.05	7	<0.5	<0.2
1809463	Soil	19	39	1.20	91	0.091	<1	2.30	0.011	0.13	0.4	0.01	4.0	0.1	<0.05	7	<0.5	<0.2
1809464	Soil	21	24	1.03	101	0.070	<1	2.01	0.013	0.04	0.3	<0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
1809465	Soil	35	55	1.29	145	0.061	1	2.29	0.013	0.07	0.6	0.02	5.4	<0.1	<0.05	8	0.7	<0.2
1809466	Soil	19	24	1.79	144	0.196	<1	3.66	0.014	0.17	0.3	<0.01	5.2	0.1	<0.05	13	<0.5	<0.2
1809467	Soil	16	18	0.59	62	0.020	1	1.96	0.007	0.04	0.3	0.03	1.2	<0.1	0.06	6	0.5	<0.2
1809468	Soil	20	15	0.79	55	0.048	<1	1.81	0.009	0.04	0.4	0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
1809469	Soil	36	23	0.72	72	0.005	<1	2.19	0.005	0.03	0.5	<0.01	6.7	<0.1	<0.05	6	0.6	<0.2
1809470	Soil	79	23	0.52	264	0.006	<1	2.03	0.008	0.07	0.2	0.02	4.1	0.1	0.06	7	1.1	<0.2
1809471	Soil	24	15	0.40	52	0.012	<1	1.83	0.008	0.04	0.1	0.03	1.8	<0.1	<0.05	6	0.7	<0.2
1809472	Soil	77	21	0.47	130	0.009	<1	1.79	0.009	0.04	0.5	0.02	2.8	<0.1	0.13	7	1.3	<0.2
1809473	Soil	29	22	0.91	148	0.046	<1	1.96	0.009	0.05	0.2	<0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
1809474	Soil	22	23	0.60	48	0.022	<1	2.01	0.008	0.06	0.3	0.02	2.7	<0.1	<0.05	6	0.5	<0.2
1809475	Soil	22	19	0.72	76	0.034	<1	1.81	0.008	0.04	0.2	0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
1809476	Soil	30	22	0.99	125	0.033	<1	2.02	0.008	0.06	0.2	<0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
1809477	Soil	20	18	0.72	124	0.029	<1	1.96	0.011	0.05	0.2	<0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
1809478	Soil	24	18	0.81	72	0.035	<1	1.81	0.008	0.04	0.4	<0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
1809479	Soil	17	18	0.76	73	0.032	<1	1.87	0.007	0.04	0.3	0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
1809480	Soil	17	23	0.84	85	0.027	<1	1.88	0.008	0.05	0.2	<0.01	2.5	<0.1	<0.05	8	<0.5	<0.2
1809481	Soil	22	23	0.83	101	0.071	<1	1.51	0.012	0.04	0.3	<0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
1809482	Soil	24	30	1.02	77	0.085	<1	1.49	0.012	0.05	0.4	<0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
1809483	Soil	18	24	0.97	62	0.054	<1	2.30	0.010	0.05	0.4	0.02	3.5	<0.1	<0.05	8	<0.5	<0.2
1809484	Soil	17	34	0.84	43	0.065	<1	1.24	0.011	0.07	0.3	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
1809485	Soil	17	27	0.69	57	0.054	<1	1.70	0.010	0.06	0.3	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
1809486	Soil	21	32	0.88	93	0.073	<1	1.30	0.012	0.10	0.3	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
1809487	Soil	16	25	0.81	66	0.068	<1	1.78	0.011	0.08	0.3	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
1809488	Soil	20	34	1.14	82	0.108	<1	2.05	0.014	0.14	0.3	<0.01	3.5	0.1	<0.05	6	<0.5	<0.2



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Project: PIKE
Report Date: October 08, 2020

Page: 9 of 10

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI20000346.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1809489	Soil	0.8	18.0	8.1	50	<0.1	15.2	9.6	422	2.88	1.9	2.0	0.8	2.0	22	<0.1	0.1	0.2	69	0.30	0.086
1809490	Soil	7.1	27.1	7.9	70	<0.1	19.6	12.3	528	3.19	2.1	8.3	1.2	7.1	35	0.1	0.1	0.2	76	0.60	0.092
1809491	Soil	4.3	26.3	10.7	64	0.2	14.9	9.5	338	1.75	0.6	5.6	3.5	5.9	33	0.2	0.1	0.2	62	0.61	0.109
1809492	Soil	1.3	23.4	9.4	61	0.1	16.6	11.1	604	3.00	1.2	4.1	1.6	7.6	34	0.2	0.1	0.2	69	0.57	0.107
1809493	Soil	0.8	27.9	12.0	81	0.2	23.9	16.3	914	3.52	1.2	1.2	10.8	9.9	60	0.2	0.1	0.2	71	1.39	0.127
1809494	Soil	1.1	19.3	16.1	61	<0.1	12.4	10.2	646	2.61	1.8	1.7	<0.5	8.6	30	0.2	0.3	0.3	52	0.41	0.066
1809495	Soil	1.5	18.3	14.2	54	<0.1	11.6	8.8	617	2.32	1.6	4.5	0.5	9.3	30	0.2	0.3	0.2	45	0.38	0.062
1809496	Soil	5.2	19.5	32.2	80	<0.1	19.1	9.1	508	2.51	2.8	2.8	1.3	6.9	21	0.3	0.4	0.6	43	0.22	0.039
1809497	Soil	9.1	22.4	19.3	73	0.2	15.6	9.5	517	2.63	4.2	7.9	1.3	10.7	26	0.2	0.2	0.4	46	0.40	0.074
1809498	Soil	4.5	14.2	25.7	82	0.1	10.4	7.9	571	2.52	3.3	2.9	1.0	2.7	15	0.3	0.2	0.4	41	0.17	0.080
1809499	Soil	1.4	35.9	15.3	45	<0.1	9.3	7.5	451	2.23	2.5	1.8	0.5	3.2	19	0.2	0.2	0.3	50	0.25	0.081
1809500	Soil	3.2	22.2	34.3	135	0.2	9.8	6.9	815	2.63	2.8	5.6	1.7	6.8	20	0.3	0.2	0.5	35	0.23	0.079
1810924	Soil	2.9	16.9	22.0	55	0.2	6.7	8.6	740	2.26	1.9	3.2	1.0	26.1	22	0.2	0.3	0.2	29	0.44	0.079
1810925	Soil	3.2	20.7	15.9	60	0.1	17.9	9.5	644	2.62	5.7	2.2	2.3	1.1	16	0.1	0.4	0.3	53	0.14	0.089
1810926	Soil	1.7	22.5	16.1	63	<0.1	12.9	11.1	703	2.75	1.8	2.6	0.7	2.5	29	0.2	0.3	0.2	58	0.39	0.080
1810927	Soil	1.3	21.6	10.9	54	<0.1	13.2	10.7	553	2.79	1.7	1.4	<0.5	2.4	35	0.1	0.3	0.3	68	0.42	0.070
1810928	Soil	2.9	22.6	13.6	57	0.1	19.0	11.7	554	3.02	2.3	6.7	1.4	3.7	37	0.1	0.2	0.3	66	0.48	0.068
1810929	Soil	1.5	20.7	10.7	50	0.2	11.3	8.9	652	2.39	2.2	1.6	0.7	0.7	29	0.1	0.2	0.2	51	0.46	0.074
1810930	Soil	1.3	22.9	13.1	64	0.1	13.1	10.0	508	2.81	3.0	2.6	2.0	3.1	37	0.1	0.2	0.2	60	0.45	0.090
1810931	Soil	0.6	21.0	7.8	60	<0.1	16.5	12.8	593	3.29	1.2	1.3	1.2	7.2	27	0.1	<0.1	0.1	76	0.51	0.121
1810932	Soil	3.1	32.1	11.4	69	0.2	17.6	13.6	804	3.42	2.0	6.2	6.9	1.8	35	<0.1	0.1	0.8	79	0.49	0.088
1810933	Soil	2.3	34.3	13.4	72	0.2	15.8	14.0	853	3.36	2.0	6.2	4.1	6.1	37	0.1	0.1	0.4	75	0.54	0.063
1810934	Soil	1.0	25.8	10.5	58	<0.1	15.6	11.5	500	3.04	2.7	1.9	2.3	3.2	23	<0.1	0.1	0.2	74	0.37	0.093
1810935	Soil	1.2	22.0	9.5	65	<0.1	17.4	12.7	682	3.26	1.4	1.7	3.3	5.9	31	<0.1	<0.1	0.2	78	0.56	0.128
1810936	Soil	1.0	15.6	11.4	58	<0.1	12.9	10.4	668	2.89	2.3	1.7	1.0	1.6	23	0.1	0.2	0.2	65	0.28	0.083
1810937	Soil	0.7	24.3	9.3	52	<0.1	12.3	10.4	553	2.67	2.0	1.4	1.1	7.1	28	0.1	0.2	0.2	59	0.42	0.083
1810938	Soil	5.0	48.9	22.5	84	0.4	28.2	20.9	1172	3.93	2.5	8.1	10.3	5.6	60	0.1	0.1	1.3	82	0.64	0.076
1810939	Soil	1.5	36.1	13.4	67	<0.1	27.6	16.3	800	3.46	2.4	2.4	0.6	13.1	46	0.1	0.2	0.2	71	0.75	0.114
1810940	Soil	7.8	18.8	17.2	46	0.3	10.1	5.4	266	1.81	4.5	14.7	1.1	1.0	35	<0.1	0.2	0.3	41	0.40	0.131
1810941	Soil	0.9	22.3	14.6	56	0.1	11.7	8.9	633	2.21	1.0	1.9	<0.5	12.2	27	0.2	0.3	0.2	43	0.39	0.073



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Page: 9 of 10

Part: 2 of 2

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Method Analyte Unit MDL	AQ201																	
	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te	
	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1809489	Soil	17	28	0.86	68	0.079	<1	2.35	0.011	0.08	0.3	0.02	2.5	0.1	<0.05	7	<0.5	<0.2
1809490	Soil	21	35	1.07	126	0.101	<1	2.01	0.013	0.11	0.4	<0.01	4.1	<0.1	<0.05	7	<0.5	<0.2
1809491	Soil	27	31	0.93	91	0.068	<1	1.59	0.011	0.06	0.3	<0.01	3.5	0.1	<0.05	6	0.5	<0.2
1809492	Soil	25	32	0.94	106	0.075	<1	1.41	0.012	0.12	0.3	<0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
1809493	Soil	25	33	1.63	223	0.124	<1	2.17	0.020	0.27	0.3	<0.01	5.4	0.1	<0.05	8	<0.5	<0.2
1809494	Soil	24	19	0.90	115	0.053	<1	1.99	0.011	0.05	0.4	<0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
1809495	Soil	22	17	0.85	146	0.043	<1	1.73	0.009	0.04	0.3	<0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
1809496	Soil	18	35	0.81	65	0.028	<1	1.93	0.007	0.04	0.3	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
1809497	Soil	43	28	0.82	90	0.035	<1	1.74	0.008	0.05	0.3	<0.01	4.1	<0.1	<0.05	6	0.6	<0.2
1809498	Soil	23	21	0.54	54	0.025	<1	1.92	0.008	0.04	0.2	0.03	1.7	<0.1	0.06	6	0.8	<0.2
1809499	Soil	16	17	0.60	27	0.034	<1	1.77	0.008	0.03	0.4	0.02	2.1	<0.1	<0.05	5	0.6	<0.2
1809500	Soil	39	19	0.50	114	0.008	<1	1.77	0.009	0.05	0.1	0.02	2.7	<0.1	<0.05	6	0.7	<0.2
1810924	Soil	54	8	0.46	115	0.011	<1	0.97	0.006	0.05	0.3	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
1810925	Soil	12	36	0.67	52	0.037	1	2.33	0.009	0.05	0.3	0.05	1.7	0.1	0.07	7	0.8	<0.2
1810926	Soil	16	20	1.01	68	0.047	<1	2.05	0.011	0.05	0.3	0.01	2.7	<0.1	<0.05	7	<0.5	<0.2
1810927	Soil	13	23	0.95	52	0.072	<1	2.03	0.012	0.04	0.3	0.03	3.1	<0.1	<0.05	7	<0.5	<0.2
1810928	Soil	21	34	1.05	73	0.049	<1	1.76	0.011	0.04	0.4	<0.01	3.1	<0.1	0.05	6	0.6	<0.2
1810929	Soil	15	20	0.73	78	0.028	<1	1.91	0.009	0.03	0.3	0.03	1.7	<0.1	0.07	6	<0.5	<0.2
1810930	Soil	20	23	0.90	89	0.049	<1	2.28	0.010	0.05	0.4	0.02	3.4	<0.1	<0.05	8	<0.5	<0.2
1810931	Soil	18	32	1.20	134	0.113	<1	2.07	0.011	0.18	0.5	<0.01	3.9	0.2	<0.05	7	<0.5	<0.2
1810932	Soil	18	29	1.25	184	0.068	<1	2.48	0.014	0.11	0.5	0.02	3.5	0.2	0.07	9	0.5	<0.2
1810933	Soil	20	26	1.33	170	0.083	1	2.64	0.012	0.11	0.5	0.02	4.9	0.1	<0.05	9	0.6	<0.2
1810934	Soil	16	27	1.04	104	0.101	<1	2.34	0.011	0.10	0.3	0.02	3.5	0.2	<0.05	8	<0.5	<0.2
1810935	Soil	17	33	1.21	141	0.103	<1	2.08	0.013	0.18	0.7	0.01	4.0	0.1	<0.05	7	<0.5	<0.2
1810936	Soil	14	26	0.87	62	0.062	<1	2.16	0.009	0.09	0.2	0.02	2.3	0.1	0.06	7	<0.5	<0.2
1810937	Soil	17	21	0.93	64	0.060	<1	2.01	0.011	0.05	0.2	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
1810938	Soil	25	49	1.96	155	0.047	<1	3.32	0.021	0.06	0.8	0.02	7.4	0.2	0.06	10	0.7	<0.2
1810939	Soil	33	40	1.23	103	0.071	<1	2.01	0.011	0.06	0.2	<0.01	4.8	<0.1	<0.05	7	<0.5	<0.2
1810940	Soil	27	20	0.47	107	0.013	1	1.82	0.016	0.05	0.8	0.03	1.7	0.1	0.15	7	0.9	<0.2
1810941	Soil	23	17	0.85	80	0.056	<1	1.69	0.008	0.04	0.3	<0.01	3.7	<0.1	<0.05	5	<0.5	<0.2



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Project: PIKE
Report Date: October 08, 2020

Page: 10 of 10

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI20000346.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1810942	Soil	3.9	24.5	11.6	46	0.1	9.2	7.7	400	2.18	2.4	7.8	0.7	2.2	27	<0.1	0.2	0.2	50	0.33	0.073
1810943	Soil	4.0	16.7	12.5	56	0.3	11.5	7.6	406	1.96	2.5	8.8	0.7	5.2	33	0.1	0.2	0.2	41	0.46	0.083
1810944	Soil	3.1	33.1	14.4	56	0.1	12.7	8.3	558	2.46	4.4	2.7	0.9	1.3	19	0.2	0.3	0.3	54	0.21	0.096
1810945	Soil	2.1	13.4	24.6	53	0.1	9.0	4.8	264	1.71	4.4	2.1	<0.5	2.1	14	0.1	0.2	0.3	34	0.18	0.076
1810946	Soil	3.6	14.8	25.9	61	0.2	9.2	5.4	405	1.88	3.7	2.1	1.3	0.7	27	0.2	0.3	0.4	35	0.30	0.076
1810947	Soil	3.5	14.3	22.7	56	0.1	9.6	7.5	538	2.05	3.1	5.3	0.7	1.9	28	0.2	0.2	0.3	40	0.35	0.085
1810948	Soil	1.2	29.0	16.5	57	0.2	11.2	10.5	710	2.53	1.3	2.0	<0.5	6.0	30	0.3	0.3	0.3	49	0.42	0.080
1810949	Soil	4.3	30.4	23.3	76	0.5	17.5	9.9	557	2.79	4.5	14.0	1.4	3.8	41	0.2	0.3	0.4	54	0.52	0.129
1810895	Soil	0.8	64.2	10.5	82	0.6	32.7	20.6	1165	4.54	1.3	1.2	5.3	5.7	33	0.1	0.1	2.4	100	0.42	0.079
1810896	Soil	2.1	20.7	10.4	44	0.1	11.0	8.4	567	2.24	1.5	3.1	8.5	9.4	25	0.1	<0.1	0.6	40	0.32	0.076
1810897	Soil	0.7	37.3	13.6	65	0.2	23.6	14.3	823	3.15	2.4	4.2	11.4	9.8	97	0.1	0.1	0.2	70	0.62	0.090



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Page: 10 of 10

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI20000346.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	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	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1810942	Soil	20	16	0.72	74	0.023	<1	1.96	0.008	0.04	0.3	0.02	2.5	<0.1	<0.05	6	0.5	<0.2
1810943	Soil	25	20	0.79	88	0.040	<1	1.66	0.011	0.04	0.4	<0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
1810944	Soil	17	22	0.66	45	0.031	1	2.35	0.008	0.05	0.3	0.04	2.0	<0.1	0.06	7	0.7	<0.2
1810945	Soil	18	17	0.46	52	0.021	<1	1.64	0.008	0.04	0.2	0.02	1.8	<0.1	<0.05	6	0.6	<0.2
1810946	Soil	16	16	0.45	74	0.020	<1	1.88	0.009	0.04	0.2	0.03	1.2	<0.1	0.06	5	0.7	<0.2
1810947	Soil	22	16	0.58	70	0.025	<1	1.53	0.008	0.04	0.3	0.02	1.7	<0.1	0.06	5	0.5	<0.2
1810948	Soil	27	17	0.84	116	0.036	<1	1.86	0.008	0.05	0.3	0.01	3.7	<0.1	<0.05	6	<0.5	<0.2
1810949	Soil	35	30	0.95	176	0.021	<1	2.41	0.012	0.07	0.4	0.02	3.6	0.1	0.10	8	1.0	<0.2
1810895	Soil	24	88	1.99	173	0.042	<1	3.25	0.010	0.08	0.4	0.02	8.5	0.1	<0.05	11	<0.5	0.5
1810896	Soil	30	15	0.60	240	0.049	<1	1.15	0.011	0.08	0.2	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
1810897	Soil	27	33	1.12	226	0.110	<1	2.18	0.018	0.11	0.2	0.03	4.9	0.1	<0.05	7	<0.5	<0.2



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Page: 1 of 2 Part: 1 of 2

QUALITY CONTROL REPORT

WHI20000346.1

Method	AQ201	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1809161	Soil	6.9	32.3	26.5	71	0.4	32.8	14.5	737	3.37	2.6	5.2	3.8	7.2	43	<0.1	0.1	0.8	68	0.60	0.091
REP 1809161	QC	6.6	30.9	26.0	68	0.4	31.5	14.0	706	3.28	2.3	5.2	4.2	7.2	41	<0.1	0.1	0.7	65	0.56	0.089
1809197	Soil	3.9	50.2	23.8	70	0.3	31.6	22.7	1130	3.90	2.9	4.3	4.4	2.8	61	0.1	0.2	0.8	94	0.70	0.124
REP 1809197	QC	4.0	50.8	24.3	71	0.3	31.9	23.2	1149	3.99	2.8	4.3	3.4	2.7	62	0.2	0.2	0.9	95	0.71	0.126
1809234	Soil	2.7	22.1	17.1	68	0.2	33.9	13.5	536	3.00	1.7	3.4	21.9	3.5	28	0.2	0.1	0.4	64	0.35	0.090
REP 1809234	QC	2.6	21.4	16.9	66	0.2	33.2	13.2	515	2.90	1.7	3.3	2.6	3.4	27	0.2	0.1	0.4	61	0.34	0.089
1809369	Soil	1.1	29.2	48.5	96	0.5	17.3	16.2	1202	4.15	7.4	8.3	6.0	39.7	26	0.5	0.3	0.5	72	0.61	0.099
REP 1809369	QC	1.1	28.9	46.1	97	0.5	16.4	15.9	1148	4.05	7.3	8.4	5.4	40.2	26	0.4	0.4	0.4	74	0.61	0.103
1809433	Soil	2.3	11.8	21.1	79	0.1	6.1	5.0	626	2.04	1.1	2.8	<0.5	22.0	22	0.2	0.1	0.3	23	0.33	0.054
REP 1809433	QC	2.1	12.9	21.1	76	0.1	6.0	4.8	601	2.00	1.0	2.8	<0.5	24.7	24	0.2	0.1	0.3	23	0.34	0.056
1809469	Soil	10.3	26.0	17.3	92	<0.1	17.0	12.6	760	3.70	2.1	11.5	1.4	11.9	21	0.2	0.4	0.3	66	0.34	0.109
REP 1809469	QC	10.0	25.5	17.0	90	<0.1	16.6	12.2	742	3.65	2.3	11.2	1.5	11.5	21	0.2	0.4	0.5	64	0.33	0.105
1810928	Soil	2.9	22.6	13.6	57	0.1	19.0	11.7	554	3.02	2.3	6.7	1.4	3.7	37	0.1	0.2	0.3	66	0.48	0.068
REP 1810928	QC	2.8	22.4	13.2	56	0.1	18.8	11.5	538	2.95	2.2	6.6	2.0	3.6	35	0.1	0.2	0.3	65	0.46	0.064
Reference Materials																					
STD BVGEO01	Standard	11.1	4171.6	189.0	1689	2.5	169.0	25.9	674	3.98	123.5	4.0	206.2	14.1	57	6.4	3.1	25.1	77	1.35	0.072
STD BVGEO01	Standard	11.5	4199.1	181.7	1628	2.8	168.6	25.7	711	3.85	116.6	3.7	225.4	13.9	57	5.9	3.1	23.2	78	1.38	0.070
STD BVGEO01	Standard	11.5	4269.8	183.9	1661	2.7	170.7	26.0	719	3.90	118.3	3.8	226.5	14.4	59	6.0	3.2	22.3	79	1.41	0.068
STD DS11	Standard	14.8	145.0	136.9	333	1.7	77.1	13.4	947	3.12	44.6	2.7	93.7	9.2	67	2.6	8.5	12.1	49	1.00	0.072
STD DS11	Standard	15.4	141.8	130.7	329	1.8	81.3	14.0	1007	3.13	42.6	2.6	62.8	7.6	65	2.2	7.6	10.4	50	1.06	0.066
STD DS11	Standard	15.7	147.6	134.0	334	1.9	84.9	14.5	1040	3.21	42.7	2.6	63.7	7.7	65	2.2	8.0	10.0	52	1.08	0.063
STD DS11	Standard	15.7	141.6	129.5	326	1.8	83.3	14.3	997	3.13	41.7	2.6	67.2	7.8	66	2.2	7.7	10.1	51	1.07	0.063
STD OREAS262	Standard	0.7	111.2	57.1	147	0.5	62.6	27.5	502	3.27	36.9	1.2	52.1	10.0	38	0.6	4.5	1.0	21	2.92	0.040
STD OREAS262	Standard	0.7	114.0	56.6	152	0.5	69.1	28.4	545	3.42	36.9	1.3	60.9	9.5	35	0.6	4.5	1.0	24	3.03	0.038
STD OREAS262	Standard	0.7	111.0	57.4	152	0.5	64.0	27.5	502	3.31	36.8	1.3	60.3	11.1	36	0.6	4.4	1.0	22	2.90	0.039
STD OREAS262	Standard	0.7	110.0	53.4	144	0.5	66.4	27.5	525	3.23	34.1	1.2	69.7	8.8	33	0.5	4.9	0.9	23	2.88	0.034
STD OREAS262	Standard	0.7	109.0	53.8	143	0.5	66.6	27.1	508	3.26	35.0	1.2	58.5	9.0	34	0.6	3.9	0.9	23	2.84	0.035
STD OREAS262	Standard	0.7	112.2	56.6	153	0.5	69.1	29.0	533	3.37	36.2	1.3	64.7	9.7	35	0.6	4.8	0.9	25	2.91	0.037



QUALITY CONTROL REPORT

WHI20000346.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	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	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1809161	Soil	36	61	1.27	213	0.023	<1	2.46	0.011	0.06	0.3	0.02	5.5	0.1	<0.05	8	<0.5	<0.2
REP 1809161	QC	35	58	1.21	207	0.020	<1	2.33	0.010	0.05	0.3	0.02	5.2	0.1	<0.05	8	<0.5	<0.2
1809197	Soil	27	53	1.43	270	0.105	1	2.76	0.016	0.11	0.4	0.06	4.6	0.2	0.12	9	0.6	<0.2
REP 1809197	QC	27	53	1.44	269	0.104	1	2.80	0.016	0.12	0.4	0.06	4.6	0.2	0.12	10	0.5	<0.2
1809234	Soil	22	70	1.10	116	0.042	<1	2.03	0.010	0.06	0.3	0.02	3.2	<0.1	0.05	7	<0.5	<0.2
REP 1809234	QC	22	68	1.08	114	0.038	<1	1.95	0.010	0.06	0.3	0.02	3.0	<0.1	0.05	6	<0.5	<0.2
1809369	Soil	74	30	1.53	128	0.013	<1	2.35	0.013	0.10	0.1	0.04	10.6	<0.1	<0.05	9	<0.5	<0.2
REP 1809369	QC	73	29	1.57	128	0.015	<1	2.44	0.013	0.11	0.1	0.04	10.6	<0.1	<0.05	9	<0.5	<0.2
1809433	Soil	49	11	0.45	192	0.018	<1	1.04	0.011	0.06	<0.1	<0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
REP 1809433	QC	50	11	0.48	201	0.019	<1	1.10	0.012	0.06	<0.1	0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
1809469	Soil	36	23	0.72	72	0.005	<1	2.19	0.005	0.03	0.5	<0.01	6.7	<0.1	<0.05	6	0.6	<0.2
REP 1809469	QC	35	23	0.71	71	0.004	<1	2.18	0.005	0.04	0.4	0.02	6.6	<0.1	<0.05	6	0.6	<0.2
1810928	Soil	21	34	1.05	73	0.049	<1	1.76	0.011	0.04	0.4	<0.01	3.1	<0.1	0.05	6	0.6	<0.2
REP 1810928	QC	20	34	1.03	72	0.046	<1	1.71	0.011	0.04	0.4	<0.01	2.9	<0.1	0.05	6	0.5	<0.2
Reference Materials																		
STD BVGEO01	Standard	26	193	1.36	261	0.244	3	2.23	0.185	0.89	4.9	0.09	5.9	0.6	0.71	8	5.0	1.1
STD BVGEO01	Standard	25	190	1.36	247	0.238	4	2.41	0.193	0.88	5.0	0.10	6.1	0.7	0.77	8	5.2	1.1
STD BVGEO01	Standard	26	203	1.36	301	0.238	4	2.44	0.203	0.87	5.3	0.10	6.1	0.7	0.77	8	5.1	1.0
STD DS11	Standard	18	59	0.82	371	0.090	6	1.13	0.067	0.39	3.0	0.29	3.1	4.8	0.31	5	2.4	4.7
STD DS11	Standard	18	59	0.84	347	0.091	7	1.15	0.069	0.38	2.9	0.26	3.2	5.2	0.31	5	2.4	4.5
STD DS11	Standard	19	62	0.86	355	0.095	7	1.16	0.068	0.38	3.1	0.29	3.3	5.2	0.33	5	2.5	4.7
STD DS11	Standard	19	60	0.85	344	0.096	7	1.19	0.071	0.38	2.9	0.27	3.4	5.0	0.31	5	2.3	4.5
STD OREAS262	Standard	17	42	1.23	264	0.002	4	1.32	0.070	0.30	0.2	0.19	3.3	0.5	0.27	4	<0.5	0.2
STD OREAS262	Standard	16	45	1.21	253	0.003	4	1.36	0.066	0.31	0.2	0.16	3.4	0.5	0.31	5	0.7	0.3
STD OREAS262	Standard	17	43	1.15	252	0.003	3	1.26	0.062	0.29	0.2	0.16	3.2	0.5	0.26	4	<0.5	0.2
STD OREAS262	Standard	16	43	1.14	231	0.003	3	1.27	0.060	0.28	0.2	0.17	3.2	0.5	0.30	4	0.7	0.3
STD OREAS262	Standard	16	43	1.14	237	0.003	4	1.29	0.062	0.29	0.2	0.15	3.2	0.5	0.29	4	0.6	0.2
STD OREAS262	Standard	18	46	1.20	247	0.003	4	1.44	0.064	0.32	0.2	0.17	3.4	0.5	0.30	5	0.7	0.3



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Project: PIKE
Report Date: October 08, 2020

Page: 2 of 2

Part: 1 of 2

QUALITY CONTROL REPORT

WHI20000346.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD OREAS262	Standard	0.7	112.5	55.8	151	0.5	68.6	28.1	528	3.38	36.4	1.3	69.0	9.4	35	0.6	5.0	0.9	24	2.90	0.037
STD DS11 Expected		14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	2.59	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	3.77	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	1.22	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	0.4	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Page: 2 of 2

Part: 2 of 2

QUALITY CONTROL REPORT

WHI20000346.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
STD OREAS262	Standard	18	45	1.19	248	0.003	4	1.41	0.064	0.32	0.2	0.17	3.4	0.5	0.30	4	0.7	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	4.1	0.4	0.23
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	<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	<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	<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