

YMEP (21-041) REPORT

describing

HAND TRENCHING, PROSPECTING & TILL SAMPLING

on the

CATCH and LUNKER Properties

CATCH 1-4	YE96876-YE96879
CATCH 5-18	YE98084-YE98097
CATCH 19-22	YE97026-YE97029
CATCH 23-34	YE98098-YE98109
CATCH 35-46	YE97030-YE97041
CATCH 47-57	YE98110-YE98120
CATCH 58-66	YE97042-YE97050
CATCH 75-77	YE98121-YE98123
CATCH 78-82	YE96887-YE96891
CATCH 83	YE97051
LUNKER 1-4	YE96880-YE96883

NTS 105 E/14
486321 mE 6858179 mN
UTM Zone 8N NAD 1983

Field work performed July 8th – 20th, October 3rd & 14th, 2021

in the

Whitehorse Mining District

Yukon Territory

Prepared by

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January 2022

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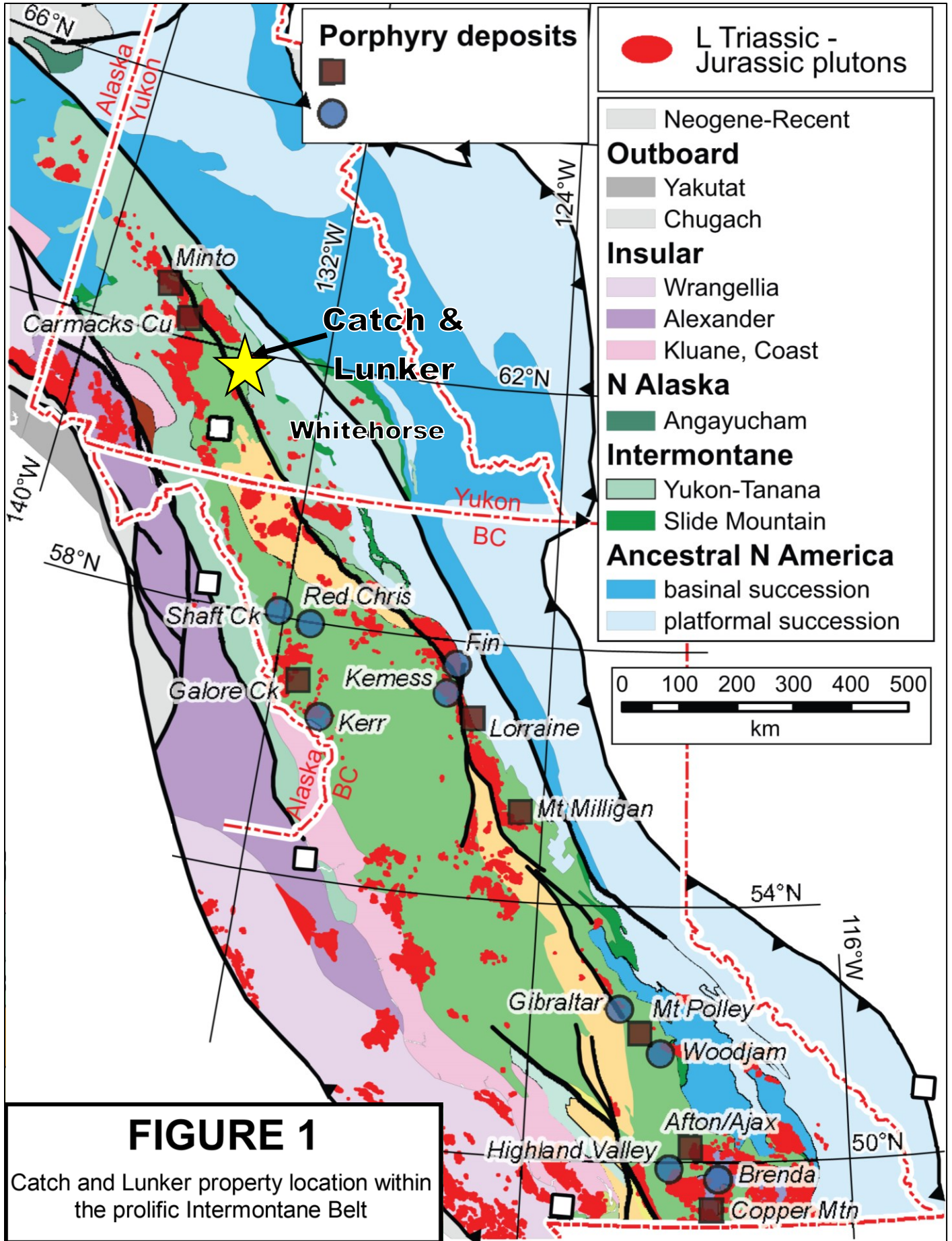
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Introduction

The Catch and Lunker claims cover potential buried porphyry copper ± gold style mineralization in the northern extent of the Intermontane Belt of the Canadian Cordillera. The Intermontane Belt is recognized worldwide for hosting numerous alkalic to calc-alkalic copper ± gold ± molybdenum porphyry deposits, several of which are currently in production such as Mt. Milligan and Red Chris (Figure 1, modified from Kovacs et al., 2020).

This report describes geological mapping and geochemical sampling conducted in July and October of 2021. The author interpreted all the data in this report and his Statement of Qualifications is provided in Appendix I. A Statement of Expenditures appears in Appendix II.



Property Location, Claim Data and Access

The Catch and Lunker claims are two separate claim blocks three kilometres apart from each other. The Catch claims consist of 75 contiguous claims covering an area of 1,550 hectares. The Lunker claims consist of 4 contiguous claims covering an area of 80 hectares. Both sets of claims are located directly east of Claire Lake. The claims are registered with the Whitehorse Mining Recorder in the name of Ryan Burke. Claim registration information can be found in Table I; location of the claims are shown on Figure 2.

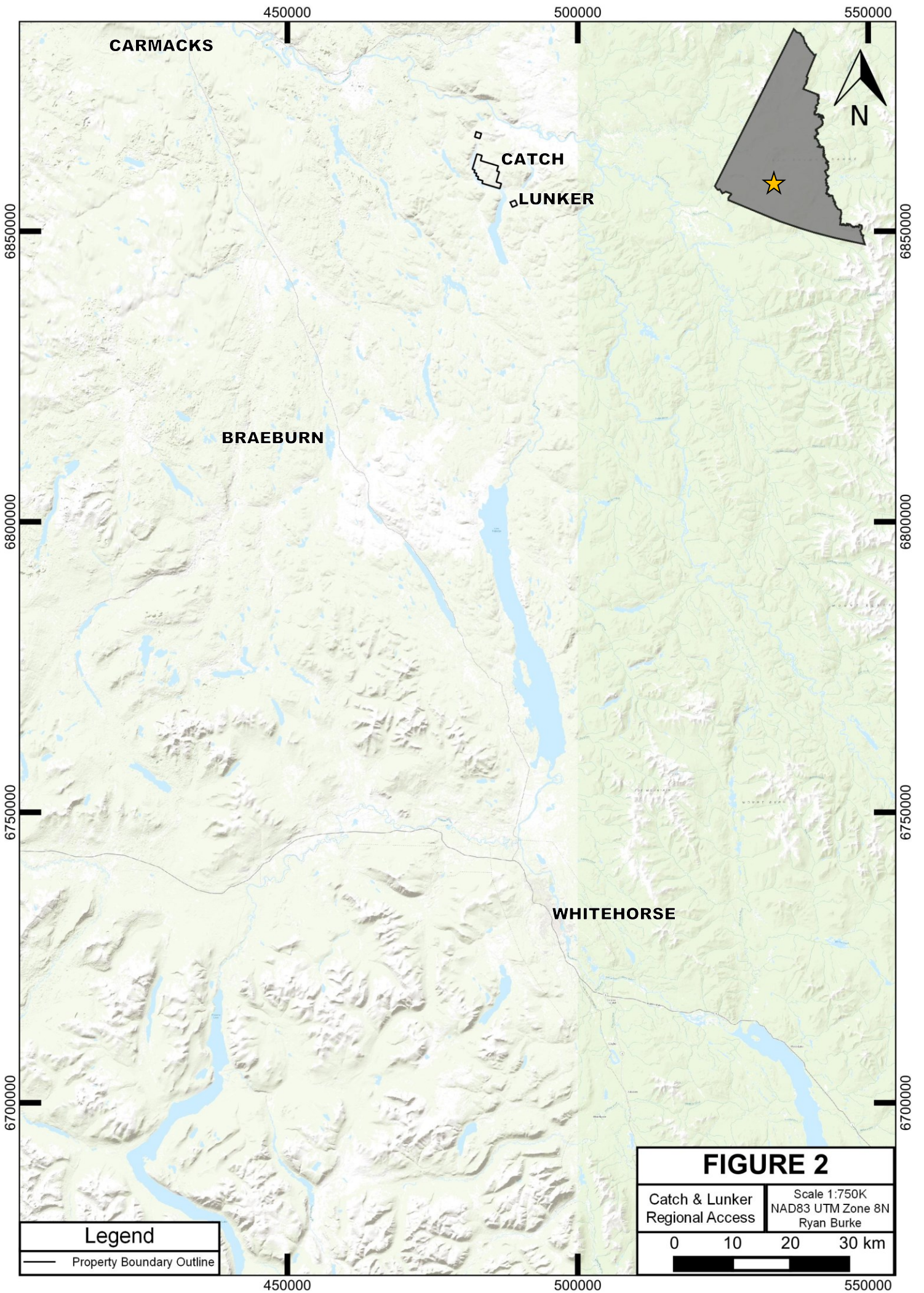
The property is located 55 kilometres east-southeast of the community of Carmacks and 125 km north of the capital city of Whitehorse within the Traditional Territories of the Little Salmon/Carmacks First Nation.

Access to and from the project area is by float plane from Schwatka or Braeburn Lake, or by helicopter via Carmacks or Whitehorse. Braeburn Lake is located 100 km north of Whitehorse and Claire Lake is an additional 50 km north-northeast of Braeburn Lake. From Braeburn, a float plane dock is available to transport personnel and equipment to Claire Lake. Claire Lake has steep drop-offs with flat, mature black spruce forested shoreline. There are many suitable locations for mobilization/demobilization of equipment utilizing either a float-mounted Cessna 206, DHC-2 Beaver, or a DHC-3T Otter. In addition, there are sparsely brushed, steep, grassy slopes amenable for helicopter-assisted mobilization of camp.

In 2021, fieldwork was performed by a 6-person crew between July 8th to 20th, a 5-person crew on October 3rd, and a 4-person crew on October 14th, 2021. Access to and from the project area was by a combination of truck helicopter and float plane. Between July 8th and 20th, truck was used to mobilize crew and equipment from Whitehorse to Braeburn Lake. From there, a Cessna 206 mobilized crew and equipment to Claire Lake. October 3rd and 14th trips utilized a helicopter via Whitehorse for the day.

Table 1: Claim Registration Information

Grant #	Claim Name	Claim Number	Owner
YE96880-883	LUNKER	1-4	Ryan Burke - 100%
YE96876-879	CATCH	1-4	Ryan Burke - 100%
YE98084-8097	CATCH	5-18	Ryan Burke - 100%
YE97026-029	CATCH	19-22	Ryan Burke - 100%
YE98098-109	CATCH	23-34	Ryan Burke - 100%
YE97030-041	CATCH	35-46	Ryan Burke - 100%
YE98110-120	CATCH	47-57	Ryan Burke - 100%
YE97042-050	CATCH	58-66	Ryan Burke - 100%
YE98121-123	CATCH	75-77	Ryan Burke - 100%
YE96887-891	CATCH	78-82	Ryan Burke - 100%
YE97051	CATCH	83	Ryan Burke - 100%



Geomorphology

The properties lie within the Lewes Plateau. Topography in the area is variable, with flat lowlands of black spruce forest surrounding Claire Lake (~730 m) and sparse to thick spruce, alder and willow covered glacial plateaus in the highlands (~1200 m).

These highlands and lowlands are separated by a mixture of moderate to steep hills vegetated with varieties of alder, willow, and black spruce. Localized steep, grassy, open, slopes surround Claire Lake and are particularly abundant within the Catch claim block. Drainages feeding into Claire Lake are steeply incised and contain some great bedrock exposure.

The Catch claim block has variable till cover, steep relief and fractured subcrop beneath a thin veneer of till throughout the property (generally less than 30 cm).

The Lunker claim block is covered by till, ranging from trace up to 10 m thick. Subcrop is rare on the claims but can be located with a mixture of determination and luck.



Photo 1: Fractured, oxidized subcrop (near backpack) on localized, steep, grassy slope on the Catch claimblock (view to southwest).



Photo 2: Clifty outcrop exposure within an incised creek drainage on the Catch claim block; till auger is 2-m tall.



Photo 3: Up to 10-m thick till cover near the Lunker claim block; Logan Roots (~1.8 m tall) for scale

History and Previous Work

No documented historical exploration work has been recorded in the area covered by the Catch and Lunker claims. The Claire (MINFILE 105E 011) is located ~5 km north of the northern portion of the Catch claims and is described as “coal is reported to outcrop in Upper Jurassic Tantalus Formation rocks in the Claire Creek area. First documented by the Geological Survey of Canada in 1936 but apparently never investigated.”

In 1977 and 1984, this area was regionally mapped by Dirk Templeman-Kluit. His 1984 map is what the Yukon Geological Survey references in the current digital version of the bedrock geology of the Yukon.

The majority of the area east of the Teslin Fault is mapped as Semenov volcanics, which is described as a mixture of augite-phyric basalt flows, agglomerates and tuffs, andesite, basalt and volcanic breccia, with minor rhyolite breccias and argillites (Tempelman-Kluit, 1977).

In 2020, exploration consisted of a 10-day field program with a 4-person field crew. The field crew collected 115 till samples at 500-m spacing, 32 stream sediment samples, and 55 rock samples over a 25 km² area. The results of this work resulted in the discovery of multiple occurrences of copper and gold mineralization along a 2.5-km trend on the Catch property. Highlighted 2020 rock sample assays returned values of up to **2.31 g/t Au, 0.62% Cu, 228 ppm Mo, 9755 ppm Zn, and 6.4 g/t Ag.**

Till geochemical sampling successfully identified areas of moderate to strong geochemical response over a 25 km² area. Stream sediment samples broadly correlate with till anomalies, and of particular note, an extremely anomalous stream sediment sample returned values of 177 ppm Cu, 71 ppb Au and 228 ppm vanadium directly downstream from two highly anomalous Cu-in-till samples. These results are discussed in further detail in the 2021 Catch & Lunker assessment report.

Regional Geology

The majority of the regional geology section is summarized heavily from an excellent and extensive recent publication by the Yukon Geological Survey titled: “Atlas of Late Triassic to Jurassic plutons in the Intermontane terranes of Yukon” (Sack, Colpron, et al., 2020):

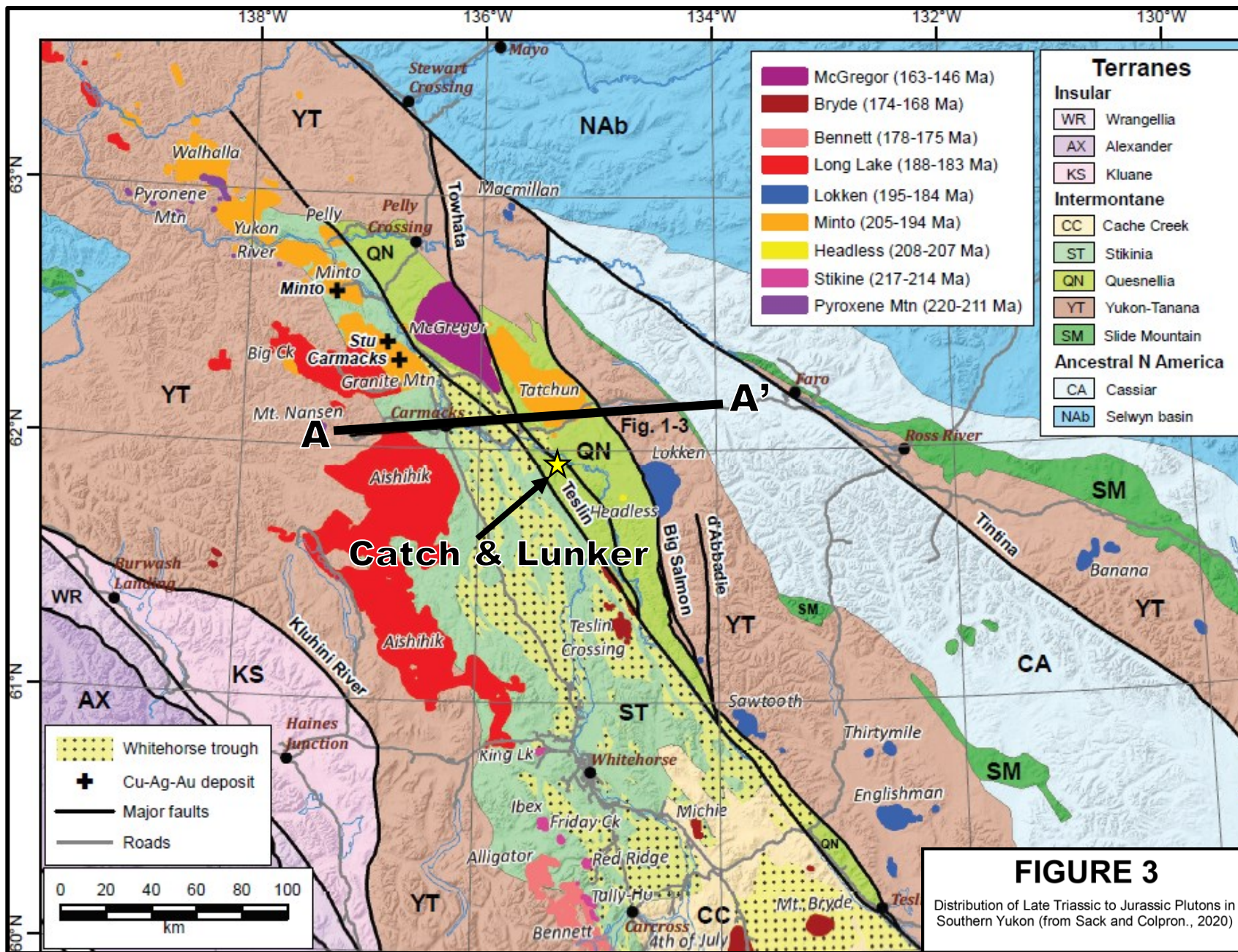
Triassic to Jurassic granitoid plutons intrude the Intermontane terranes in British Columbia, Yukon and easternmost Alaska (Fig. 1; modified from Kovacs et al., 2020). In British Columbia, these plutons are associated with significant porphyry Cu ± Mo ± Au mineralization, but comparatively few copper occurrences are known along the northern extension of this belt in Yukon (Logan and Mihalynuk, 2014).

Porphyry Cu-Au \pm Ag-Mo deposits are concentrated within the Stikine and Quesnel arc terranes, with most of their economic metal endowment emplaced within a six-million-year pulse centered around 205 Ma. Distinct trends of Cu-Au \pm Ag-Mo mineralization within both arc terranes coincide in time and space with events that are attributed to effects of slab subduction (modified from Logan and Mihalynuk 2014).

Significant copper mineralization is identified at the Minto and Carmacks Copper deposits in central Yukon (Fig. 3; Sack, Colpron, et al., 2020), but the style of mineralization at these enigmatic deposits is not typical of porphyry deposits. Both Minto and Carmacks Copper are hosted in Early Jurassic granitoid plutons and have thus been inferred to relate to porphyry deposits of this age in British Columbia (Logan and Mihalynuk, 2014).

The Yukon-Tanana terrane consists of metasedimentary, metavolcanic and metaplutonic rocks that record development of a series of magmatic arcs of mid to late Paleozoic age that were constructed on a metasedimentary sequence of western Laurentian affinity (Piercey and Colpron, 2009). The Late Triassic to Jurassic plutons intrude rocks of the Intermontane terrane including Yukon-Tanana, Stikinia, Quesnellia and Cache Creek. The younger, Middle Jurassic plutons also intrude Jurassic sedimentary strata of Whitehorse trough (Fig. 3).

In Yukon, Stikinia and Quesnellia comprise mainly Upper Triassic arc volcanic and sedimentary rocks and local exposures of older, upper Paleozoic metavolcanic and metasedimentary sequences of arc and back-arc affinities (Hart, 1997; Colpron et al., 2006a). The dominantly Upper Triassic volcanic and volcanoclastic rocks of Quesnellia and Stikinia have similar composition and stratigraphic relationships which make them difficult to differentiate in central Yukon. The boundary between these two terranes is typically defined by the Teslin fault. In BC, the Teslin is referred to as the Thibert fault, where it marks the boundary between Quesnellia and the Cache Creek terrane. The position of the Teslin-Thibert fault, and therefore the Quesnellia–Stikinia boundary, is, however, poorly constrained in central Yukon. Both Quesnellia and Stikinia in Yukon are inferred to have been developed atop a ‘basement’ comprising mid-Paleozoic and older elements of the Yukon-Tanana terrane (e.g., Nelson et al., 2013).



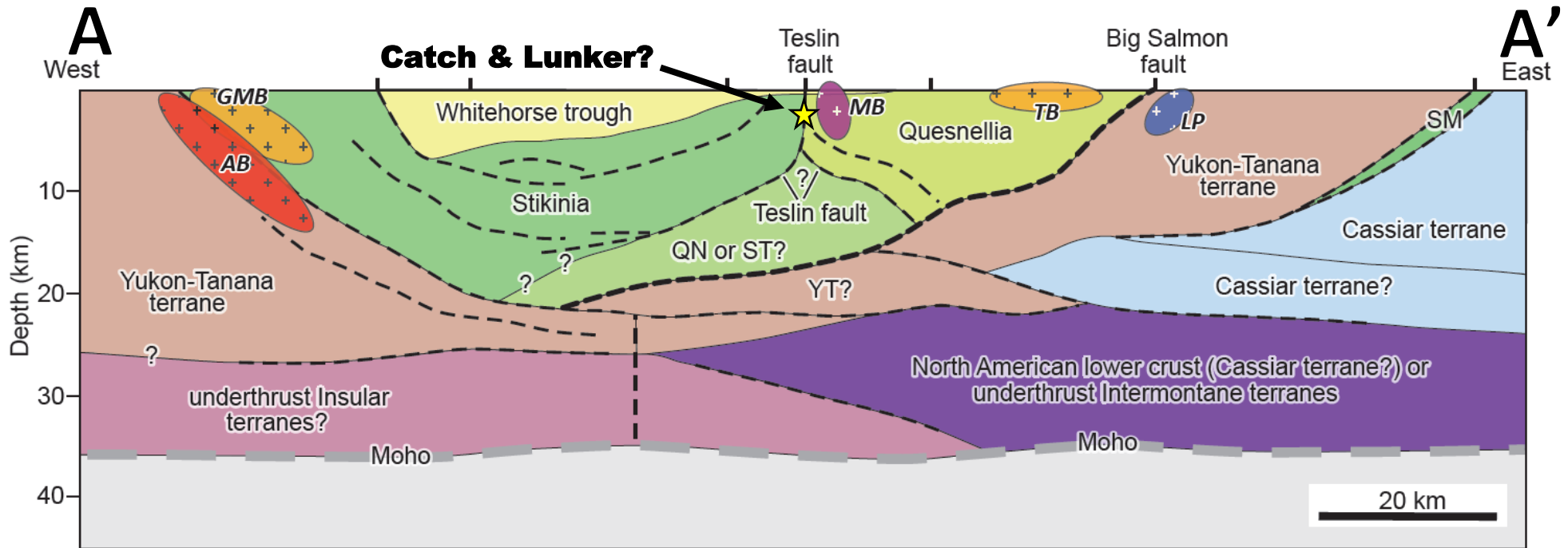


Figure 4: Crustal architecture of the Intermontane terranes in central Yukon. Approximate line of section is indicated on Figure 3. Hypothesized position of the Catch & Lunker claims denoted by yellow star (Modified from Sack, Colpron et al., 2020)

Most porphyry deposits form in the upper 5 km of the crust (Seedorff et al., 2005) with broadly coeval volcanic rocks commonly making up a significant proportion of the surface geology (Sillitoe and Perello, 2005). In some cases, the volcanic rocks can also host significant porphyry mineralization (*e.g.*, Copper Mountain and Mount Milligan).

Within Stikinia and Quesnellia in Yukon, the Povoas and Semenof formations are regionally extensive Upper Triassic volcanic units that are broadly correlative with the Nicola, Stuhini and Takla groups of British Columbia. The region east of Carmacks is generally poorly exposed and Late Triassic intrusions are apparently sparse.

Claire Lake straddles the Teslin fault and is underlain by felsic volcanic rocks of the Cretaceous Mt. Nansen Group to the west (Figure 5; mKN), and Upper Triassic mafic volcanic rocks of the Semenof formation to the east. Upper Triassic volcanic rocks of Stikinia and Quesnellia could be prospective for Late Triassic porphyry and epithermal deposits in the area southeast of Carmacks (Sack, Colpron et al., 2020).

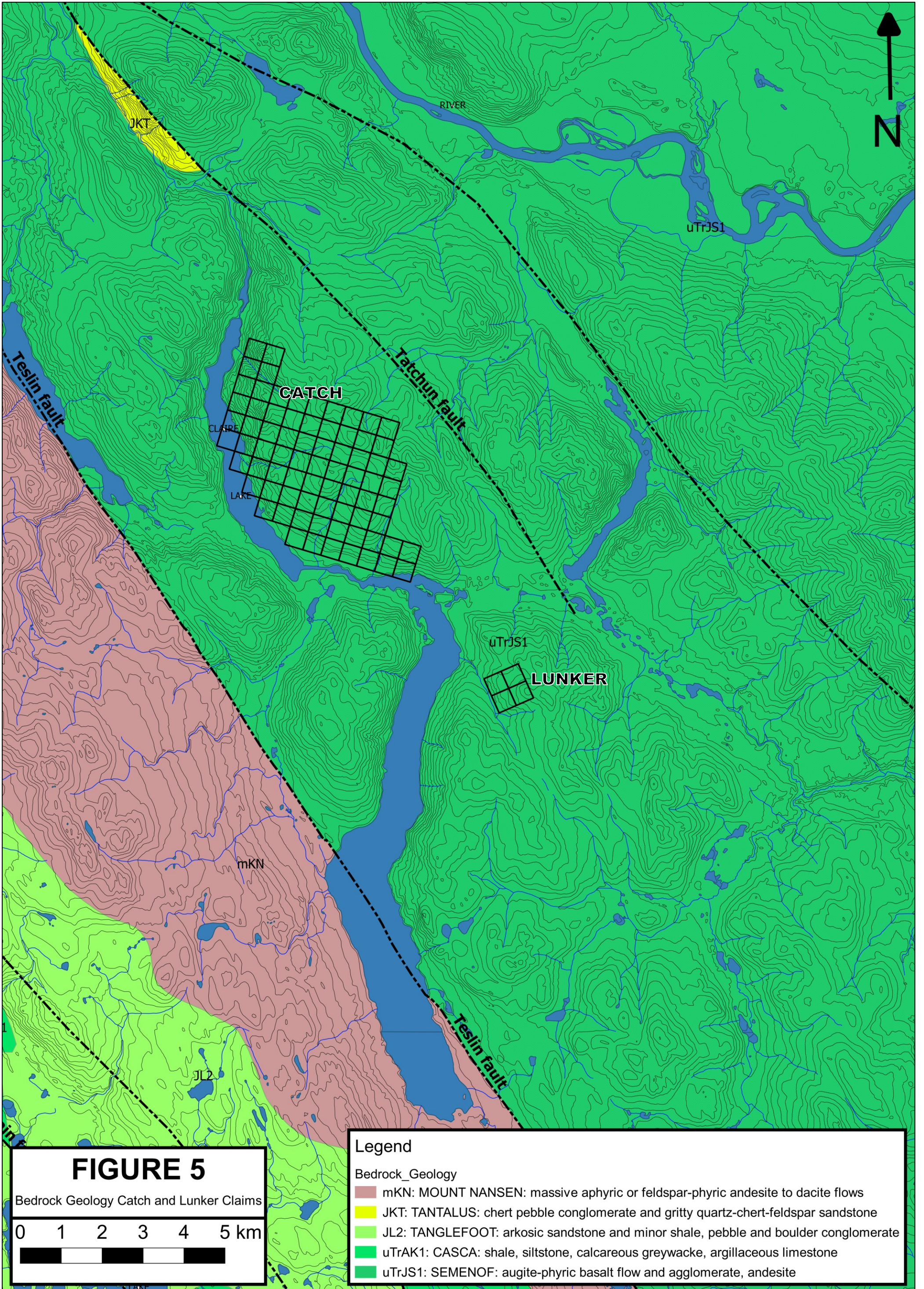
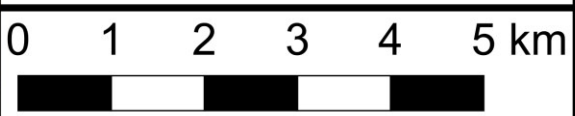


FIGURE 5

Bedrock Geology Catch and Lunker Claims



Legend

Bedrock_Geology

- mKN: MOUNT NANSEN: massive aphyric or feldspar-phyric andesite to dacite flows
- JKT: TANTALUS: chert pebble conglomerate and gritty quartz-chert-feldspar sandstone
- JL2: TANGLEFOOT: arkosic sandstone and minor shale, pebble and boulder conglomerate
- uTrAK1: CASCA: shale, siltstone, calcareous greywacke, argillaceous limestone
- uTrJS1: SEMENOF: augite-phyric basalt flow and agglomerate, andesite

Property Geology

The geology of the Catch and Lunger claims is preliminary as geochemical sampling and hand trenching was the focus of the program this year.

Cursory mapping of the area identified and confirmed the regional geology (Figure 5). Outcrop exposures of Semenof volcanics are abundant along the eastern slopes of Claire Lake. Outcrop is dominantly augite-phyric basalt, with minor amounts of chloritized tuffs and volcanoclastics.

Geochemistry, Alteration & Mineralization

In 2021, exploration consisted of a 12-day field program with a 6-person field crew. The field crew collected 481 till samples at 100-m line and sample spacings. Select areas were contour sampled at 15 m elevation spacings at 50 m sample centres. Till geochemical sampling successfully identified very strong geochemical anomalies with peak values for copper (1.39%), gold (2.40 g/t), molybdenum (99.5 ppm), silver (>10 g/t), vanadium (281 ppm), arsenic (226 ppm), zinc (1951 ppm) and lead (387 ppm) over a 5 km² area.

In addition, a total of 132 rock samples were collected. Of these 132 samples, 67 continuous chip samples varying from 1 to 2 m intervals were collected from within nine hand trenches, over a 400-by-300 m area across a 150 m vertical extent. A total of 18 trench grab samples were collected from the spoil piles and within the trenches of mineralized material. The remaining 47 samples were grab and chip samples collected from outcrop and subcrop.

All of this work was focussed over a 5 km² area. The results of this work resulted in the discovery of multiple occurrences of copper and gold mineralization along a 3 km trend on the Catch property. Highlighted 2021 rock sample assays returned values up to **52.42 g/t Au, >1% Cu, 141 ppm Mo, 4183 ppm Zn, and 41.7 g/t Ag.**

Chlorite-epidote-pyrite ± carbonate (propylitic) alteration and oxidation occur variably throughout the augite-phyric basalt (Photo 4, 6 and 10). Mineralization encountered to date on the program consists of quartz-rich limonitic breccia/intrusive breccia (Photo 5), malachite-stained volcanics, quartz-carbonate breccias with epithermal vein textures and bladed calcite (Photo 7, 8 & 9). Anhydrite (gypsum?) coats the underside of heavily fractured/oxidized basalts (Photo 11).

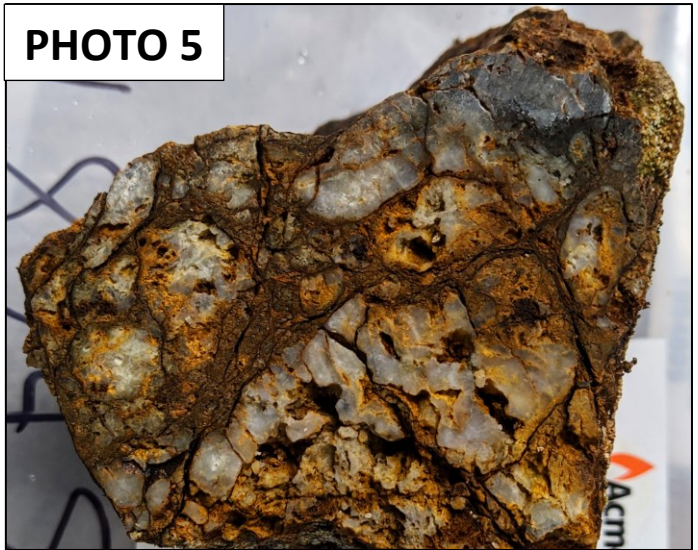
The alteration, brecciation, mineralization and oxidation observed throughout the property to date are all indicative of nearby buried intrusive activity. Appendix V denotes the location data of Photos 1 through 11 in the report.

PHOTO 4



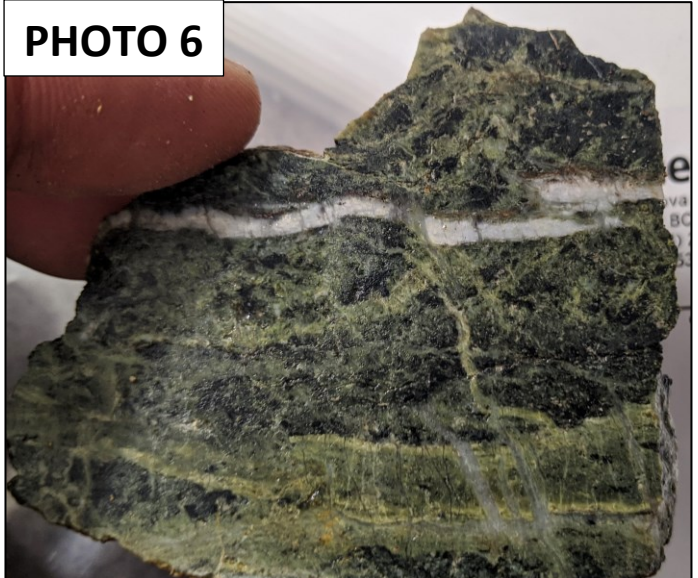
Propylitically altered augite-phyric basalt with crosscutting vein textures

PHOTO 5



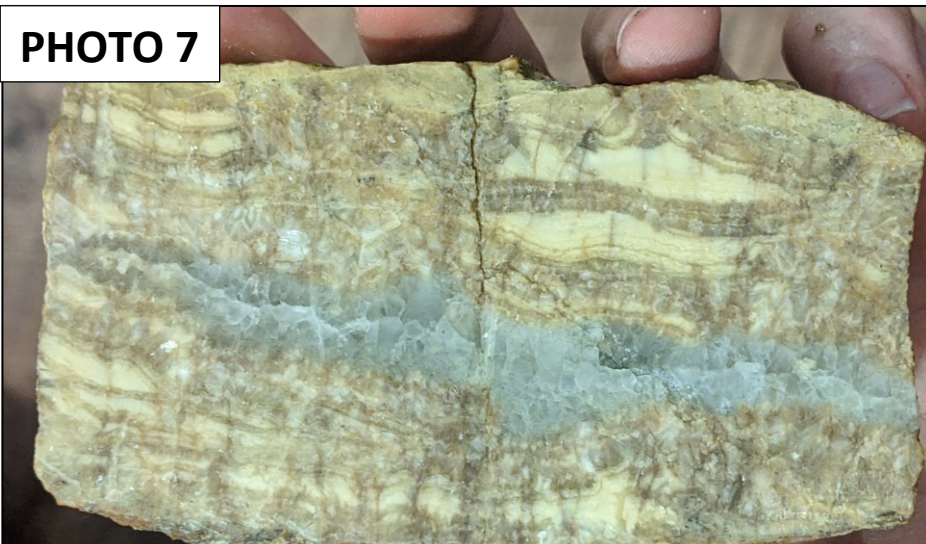
Highly oxidized quartz-limonite breccia (0.56 g/t Au)

PHOTO 6



Strong propylitic alteration with numerous crosscutting veinlets

PHOTO 7



Multi-stage quartz vein with "sinter" textured cryptocrystalline quartz – epithermal texture

PHOTO 8



Fe-carbonate breccia with interstitial bladed calcite

PHOTO 10



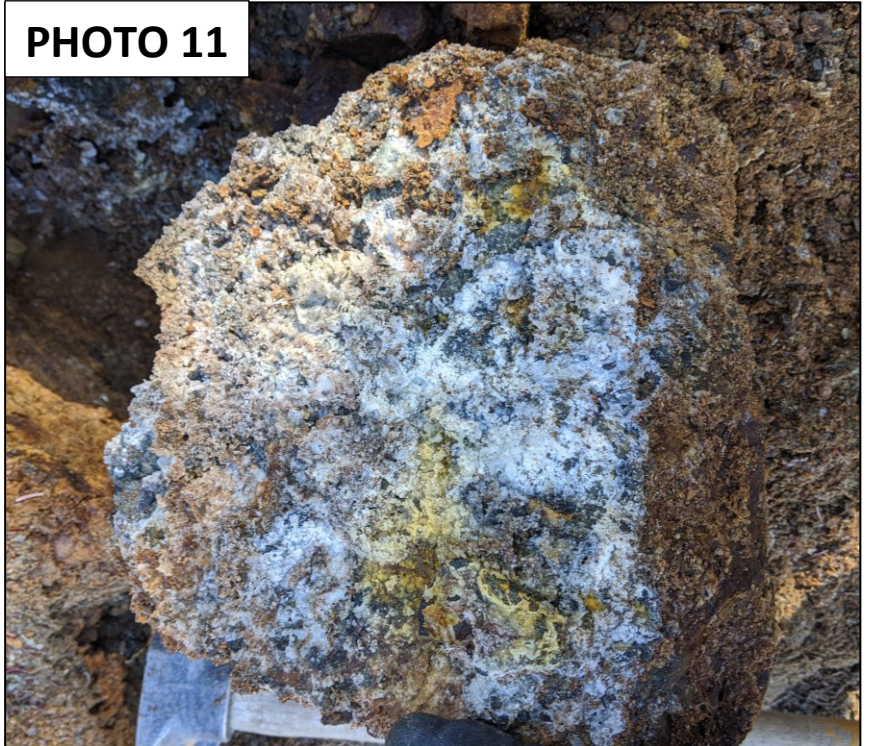
Numerous hydrothermal quartz veins with patchy oxidation – photo taken in incised creek drainage on Catch claims

PHOTO 9



Bladed calcite in outcrop – indicative of boiling within epithermal environment

PHOTO 11



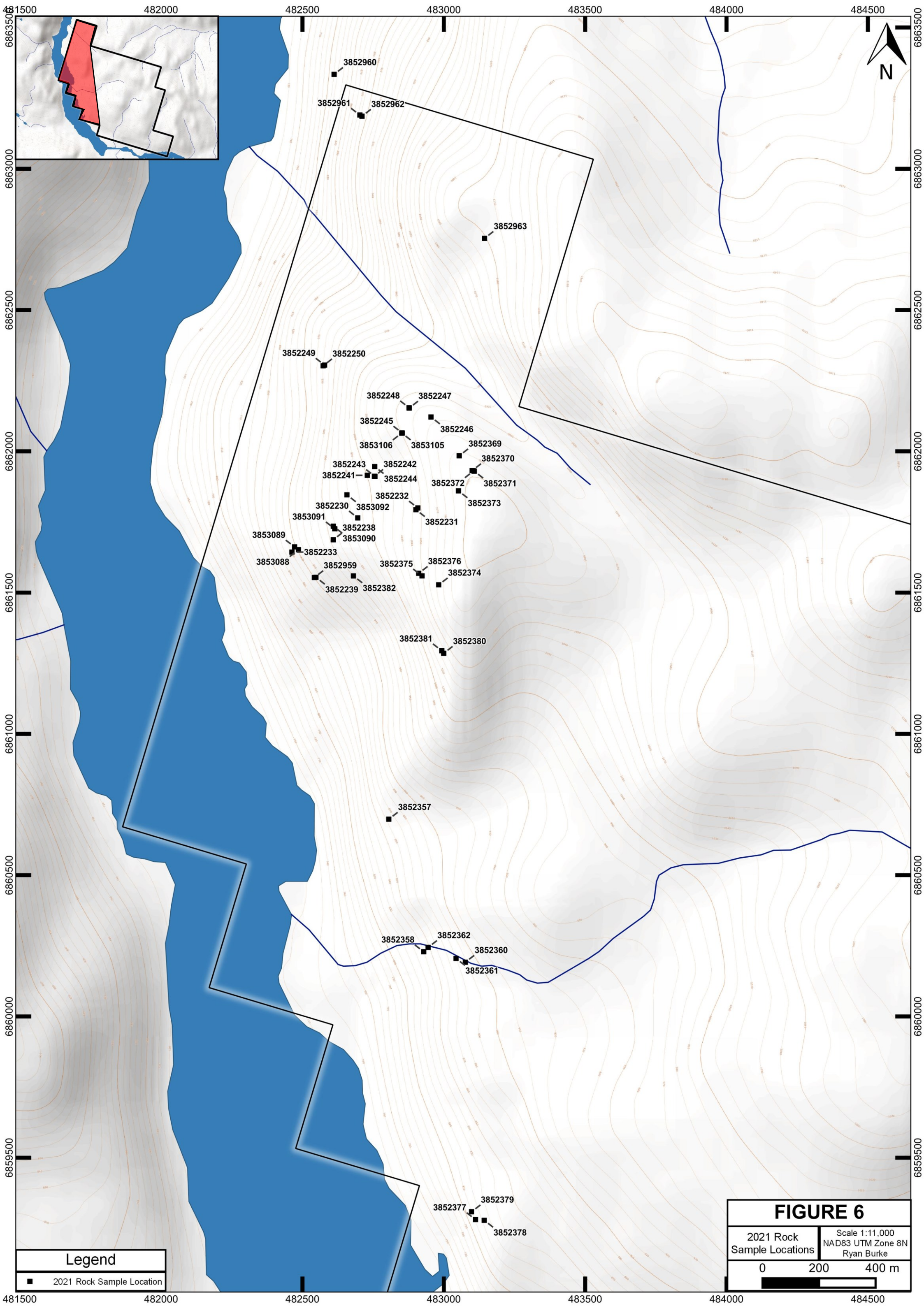
Gypsum/anhydrite development on underside of oxidized brecciated basalt

The 47 rock sample locations and ID's are denoted in Figure 6 (excluding the 67 trench chip and 18 selective trench samples). Figures 7 through 10 are detail maps that illustrate trench chip samples as well as selective trench samples across the nine hand trenches dug in 2021.

Till sample locations are illustrated in Figure 11, 12, and 13. Figures 14 and 15 illustrate the size of the geochemical anomaly on the property with Cu and Au values in till, respectively. Only 6 samples were collected on the Lunker claimblock, illustrated in Figure 16.

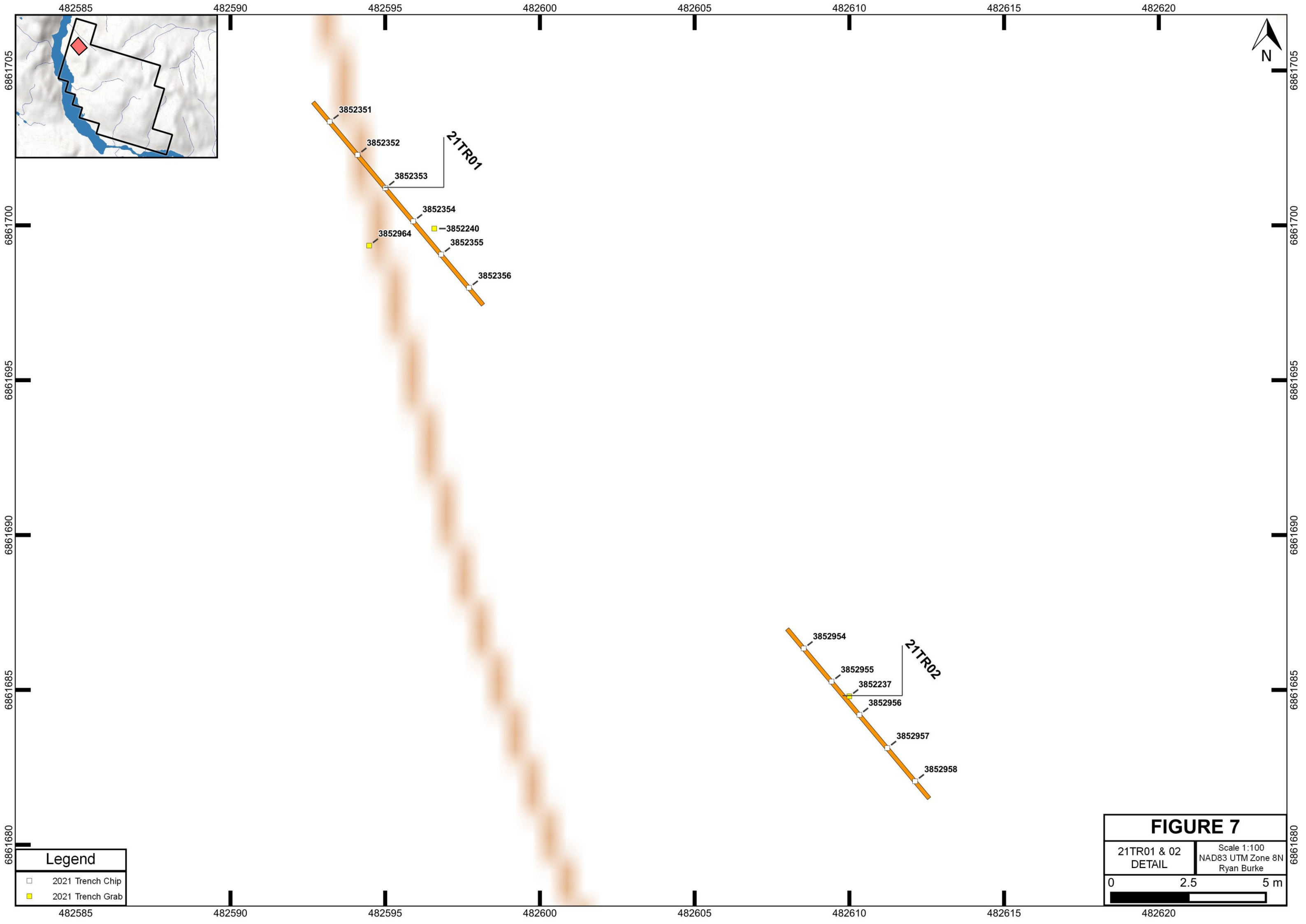
Table 2: 2021 Trench Results

Trench ID	Length (m)	Gold (g/t)	Copper (%)
21TR01	8.4	0.78	0.09
21TR02	7.0	0.82	0.12
21TR03	9.8	0.21	0.19
21TR04	2.0	0.22	0.60
21TR05	2.0	0.28	0.35
21TR06	3.0	0.46	0.27
21TR07	25.0	Assays Pending	
21TR07A	8.0	Assays Pending	
21TR08	3.0	Assays Pending	
21TR09	12.0	0.12	0.48




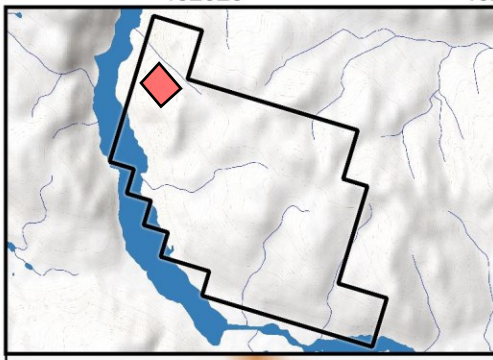
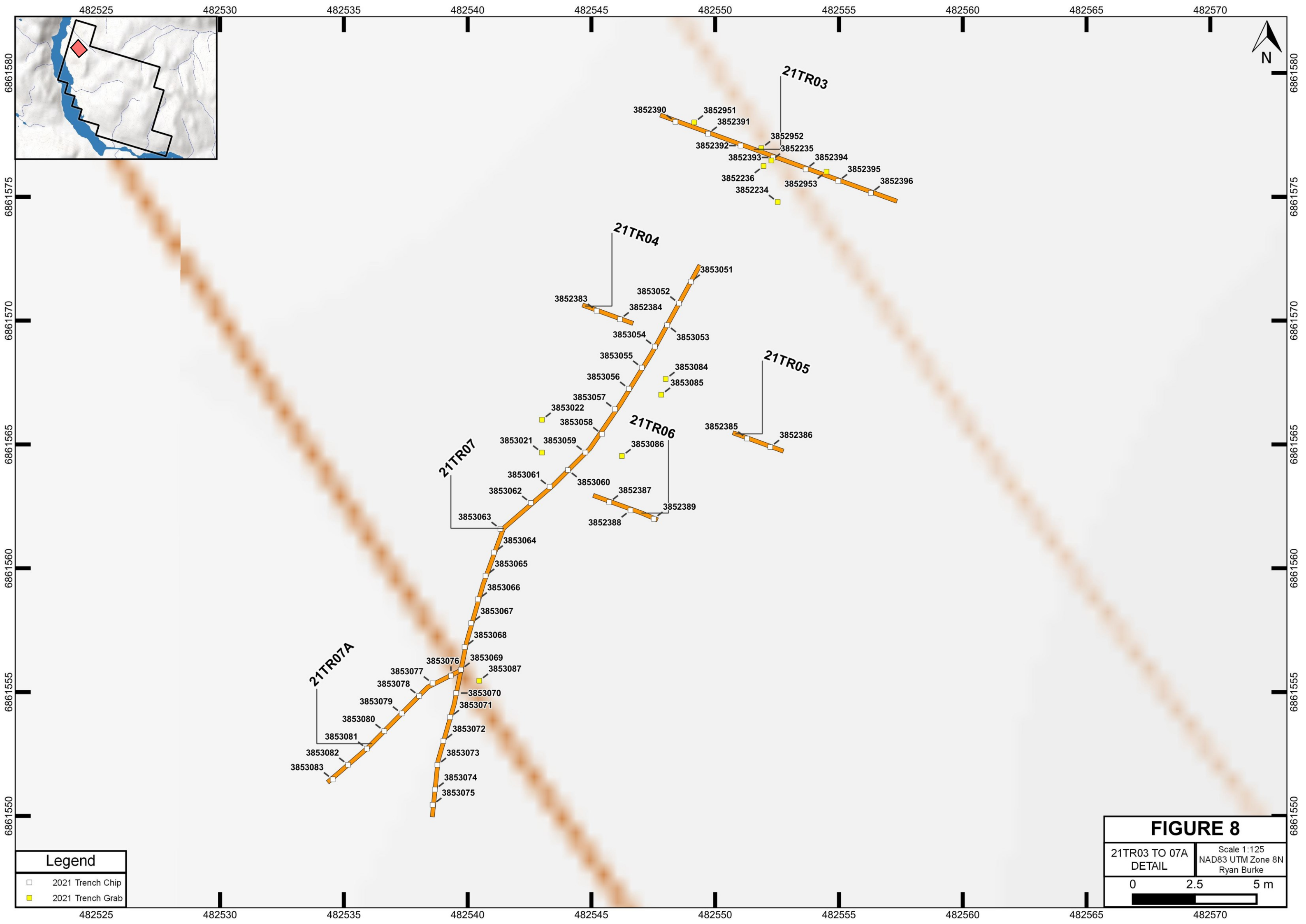
Legend
 ■ 2021 Rock Sample Location

FIGURE 6
 2021 Rock Sample Locations
 Scale 1:11,000
 NAD83 UTM Zone 8N
 Ryan Burke
 0 200 400 m



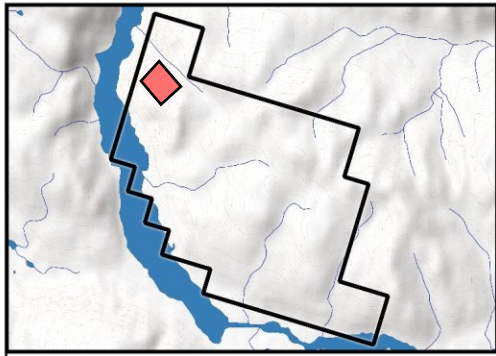
Legend	
	2021 Trench Chip
	2021 Trench Grab

FIGURE 7	
21TR01 & 02 DETAIL	Scale 1:100 NAD83 UTM Zone 8N Ryan Burke
0 2.5 5 m	
	



Legend	
□	2021 Trench Chip
■	2021 Trench Grab

FIGURE 8	
21TR03 TO 07A DETAIL	Scale 1:125 NAD83 UTM Zone 8N Ryan Burke
<div style="display: flex; justify-content: space-between; width: 100%;"> 0 2.5 5 m </div>	



482900

482905

482910

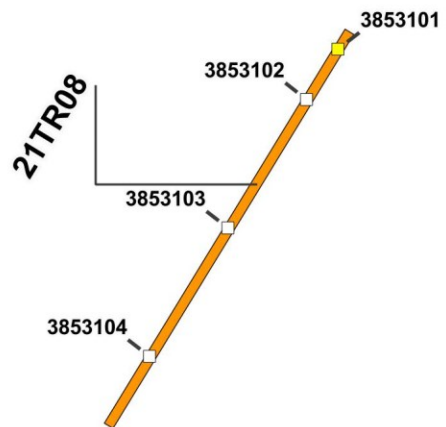
482915

6861795

6861795

6861790

6861790



Legend

- 2021 Trench Chip
- 2021 Trench Grab

FIGURE 9	
21TR08 DETAIL	Scale 1:50 NAD83 UTM Zone 8N Ryan Burke
<div style="display: flex; justify-content: space-between; align-items: center;"> 0 2 m </div>	

482900

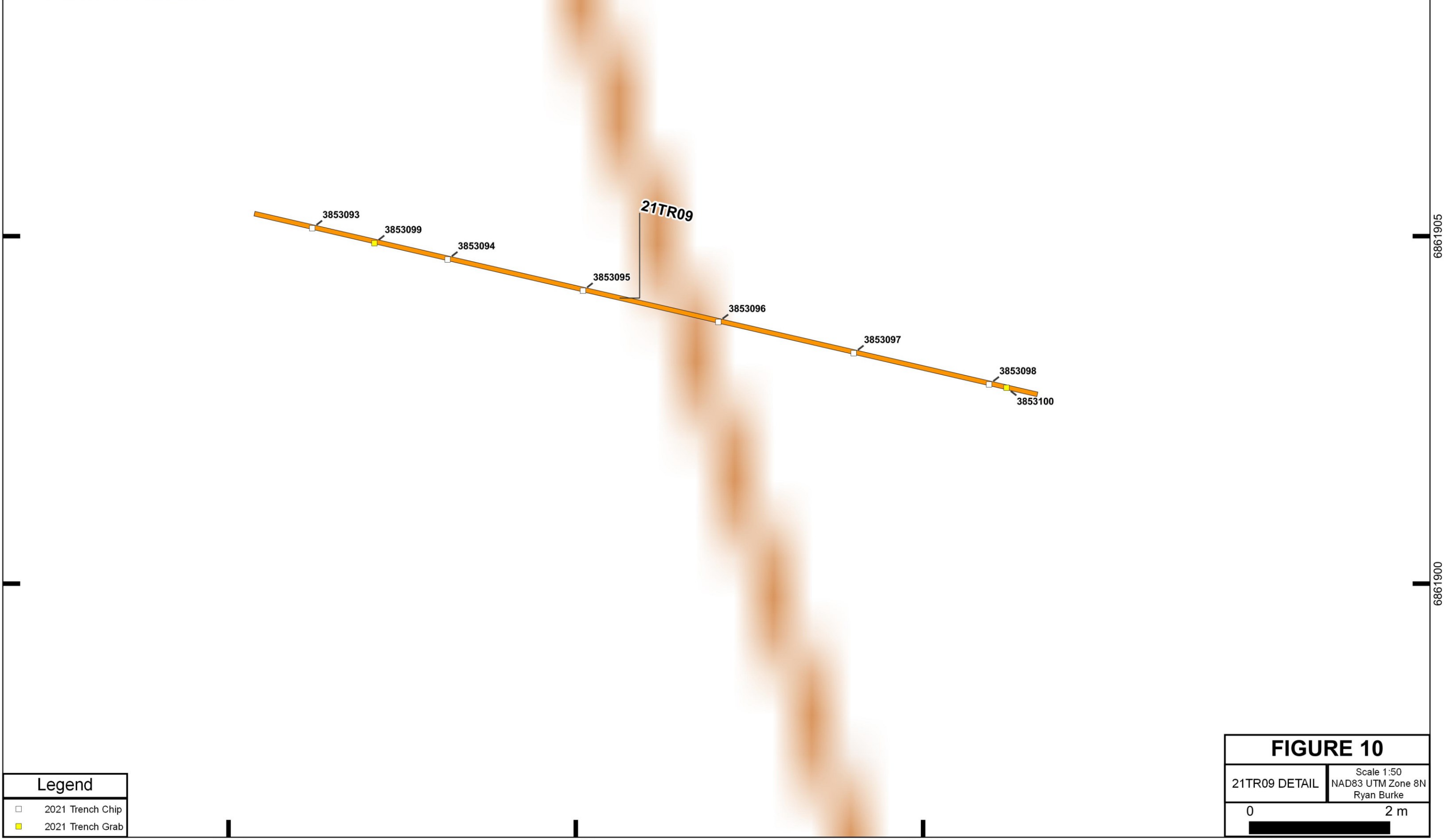
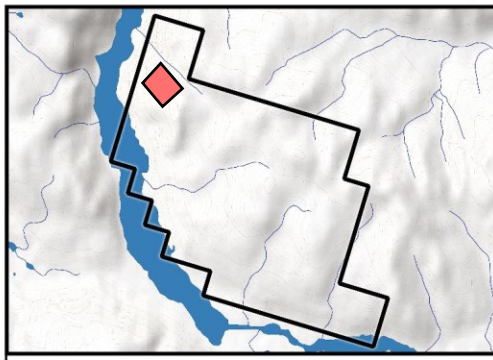
482905

482910

482915

6861785

6861785



Legend	
	2021 Trench Chip
	2021 Trench Grab

FIGURE 10	
21TR09 DETAIL	Scale 1:50 NAD83 UTM Zone 8N Ryan Burke
0 2 m	

482725

482730

482735

482740

6861905

6861905

6861900

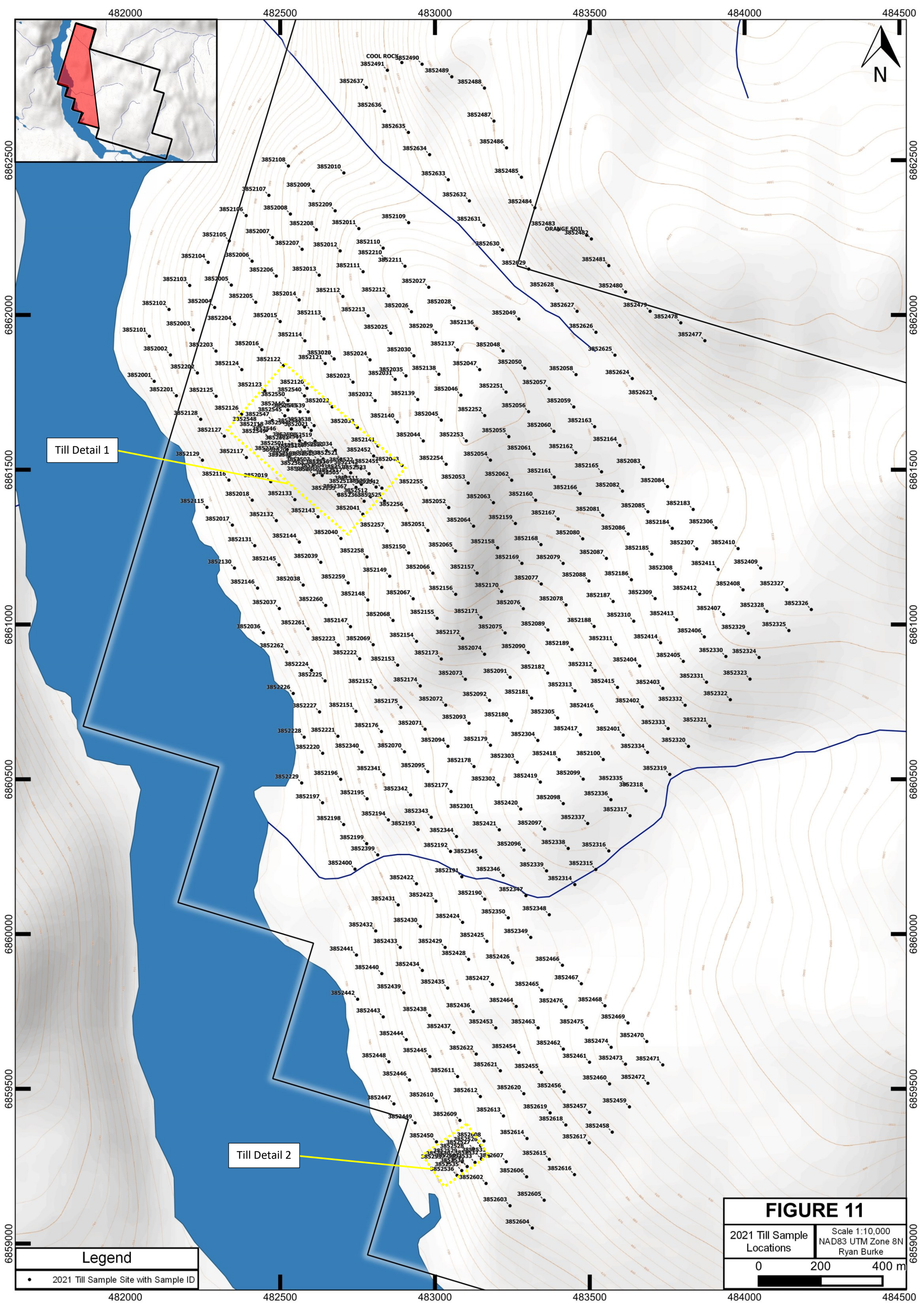
6861900

482725

482730

482735

482740



482000

482500

483000

483500

484000

484500

6862500

6862000

6861500

6861000

6860500

6860000

6859500

6859000

6862500

6862000

6861500

6861000

6860500

6860000

6859500

6859000



Till Detail 1

Till Detail 2

COOL ROCK

ORANGE SOIL

Legend

• 2021 Till Sample Site with Sample ID

FIGURE 11

2021 Till Sample Locations
 Scale 1:10,000
 NAD83 UTM Zone 8N
 Ryan Burke

0 200 400 m

482000

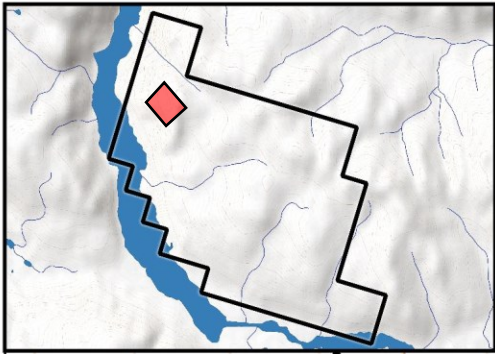
482500

483000

483500

484000

484500

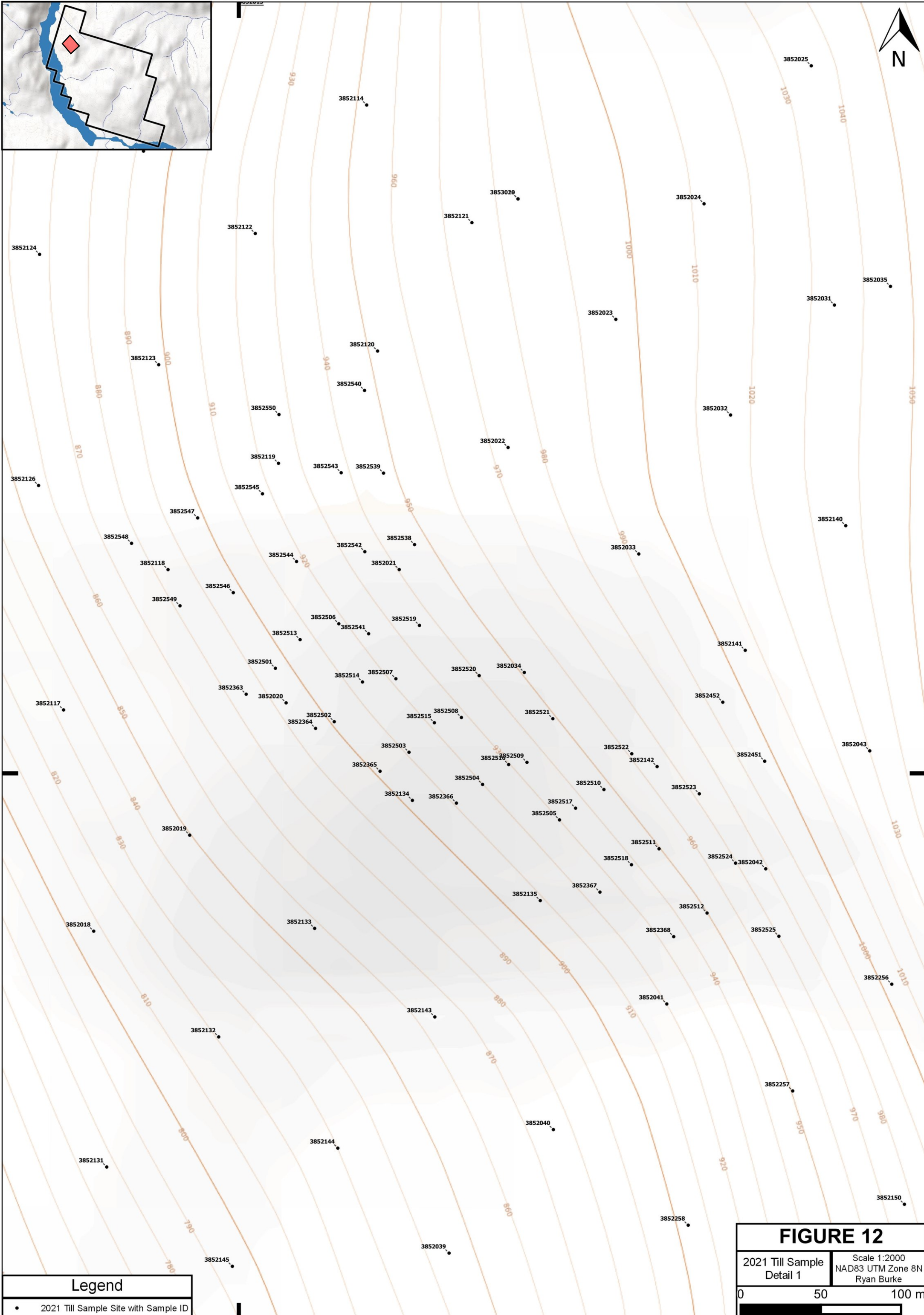


482500

482500

6861500

6861500

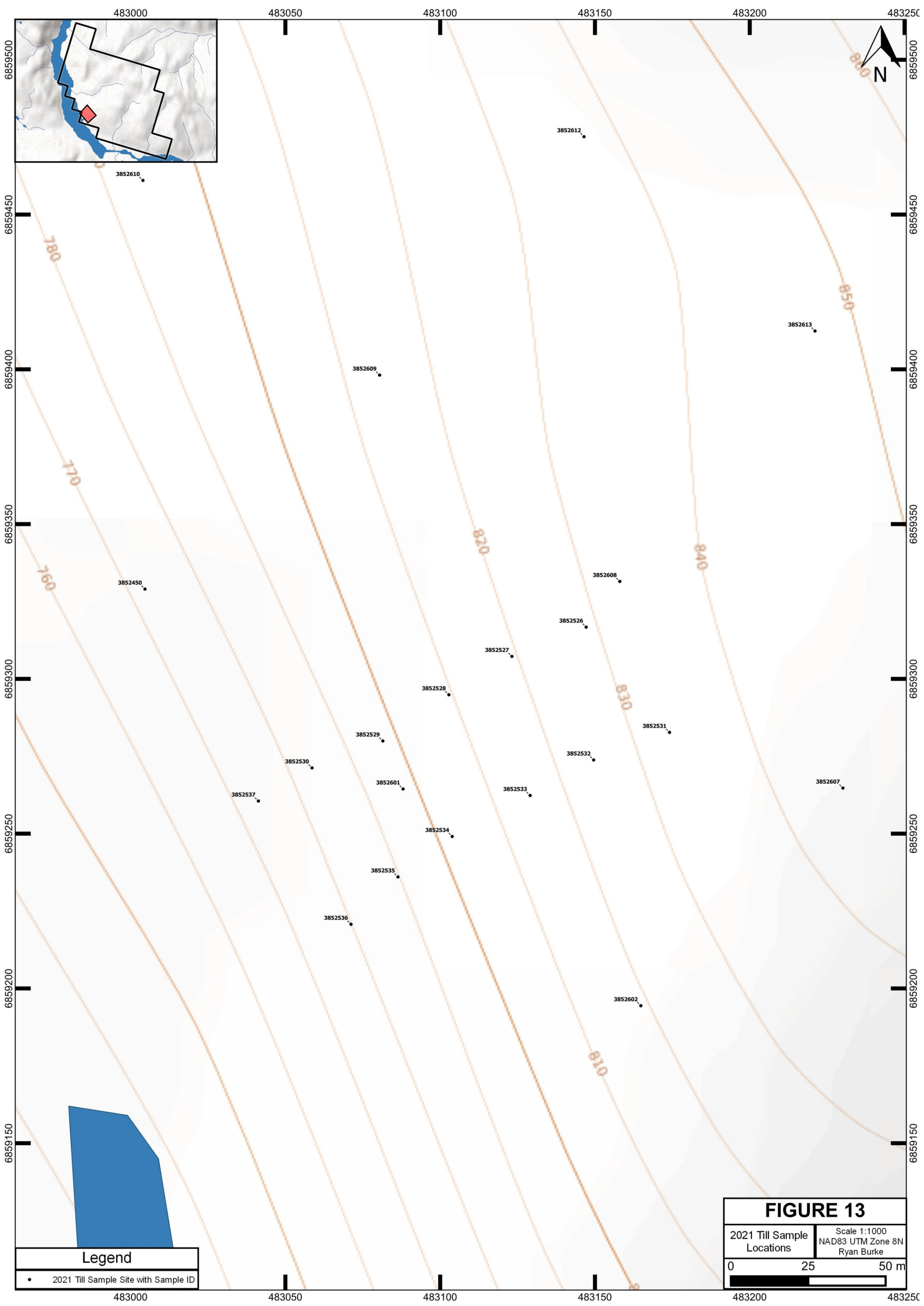


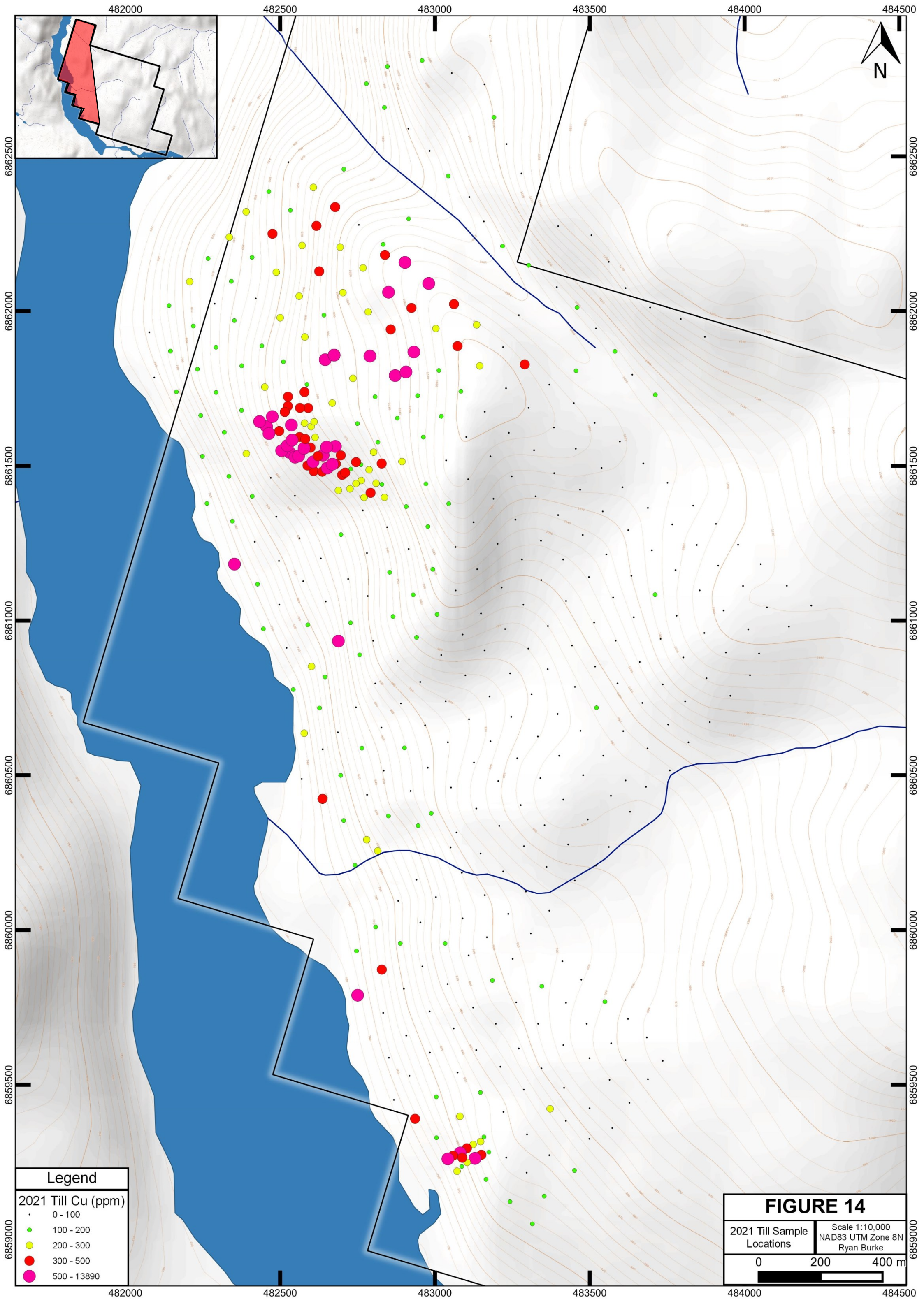
Legend

- 2021 Till Sample Site with Sample ID

FIGURE 12

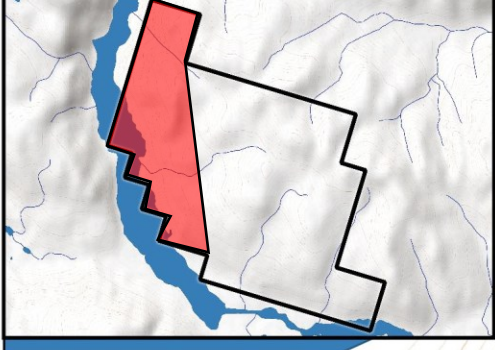
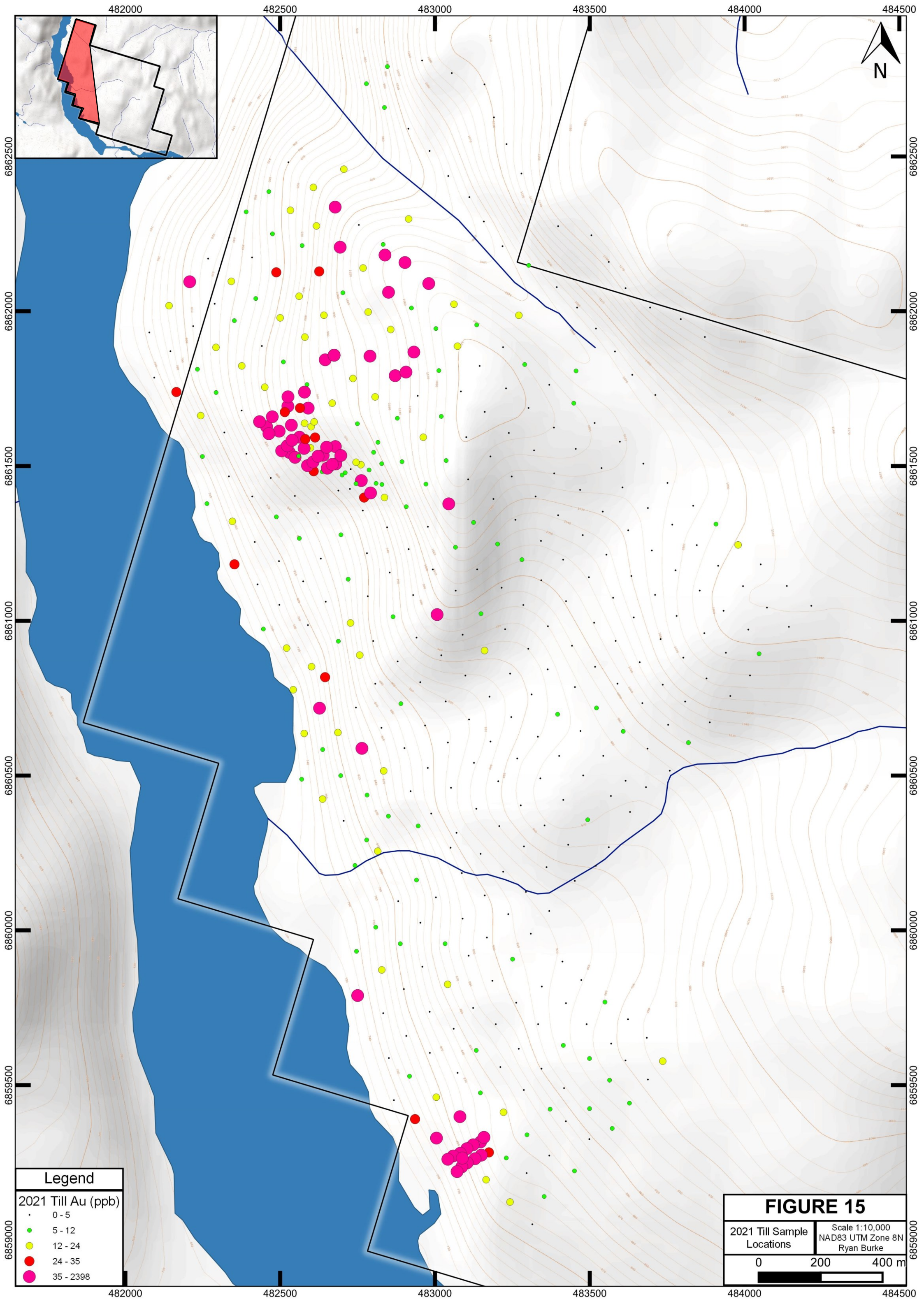
2021 Till Sample Detail 1	Scale 1:2000 NAD83 UTM Zone 8N Ryan Burke
0 50 100 m	





Legend	
2021 Till Cu (ppm)	
•	0 - 100
●	100 - 200
●	200 - 300
●	300 - 500
●	500 - 13890

FIGURE 14	
2021 Till Sample Locations	Scale 1:10,000 NAD83 UTM Zone 8N Ryan Burke
0 200 400 m	



Legend	
2021 Till Au (ppb)	
.	0 - 5
●	5 - 12
●	12 - 24
●	24 - 35
●	35 - 2398

FIGURE 15	
2021 Till Sample Locations	Scale 1:10,000 NAD83 UTM Zone 8N Ryan Burke
0 200 400 m	

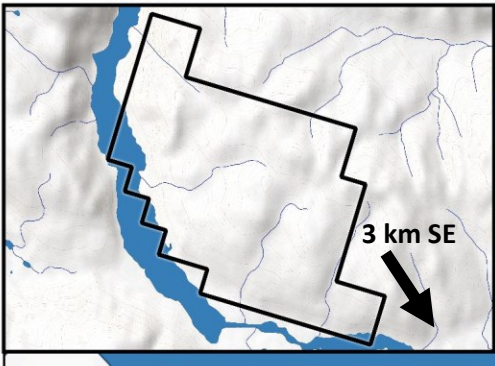
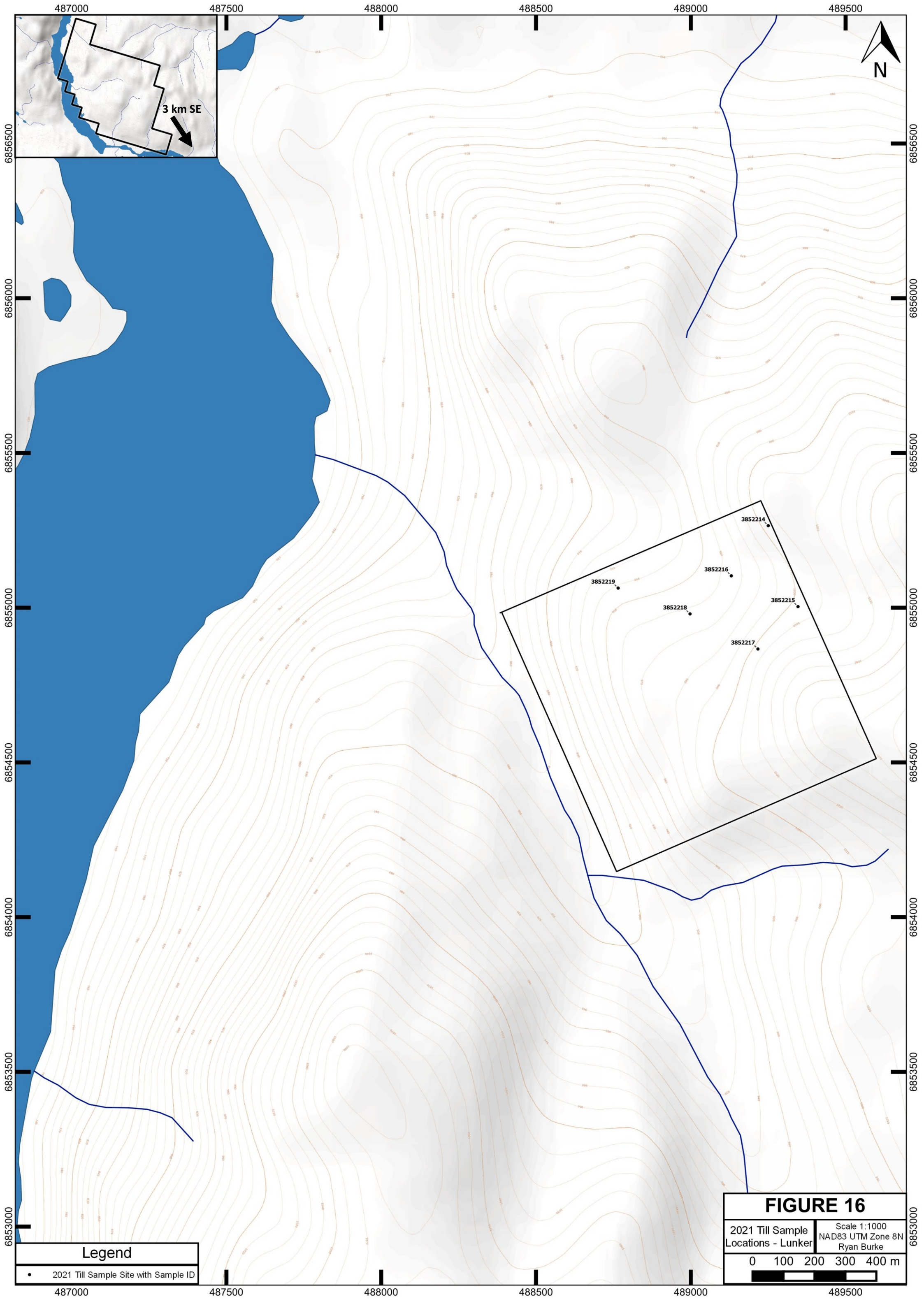
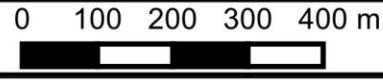


FIGURE 16

2021 Till Sample Locations - Lunker

Scale 1:1000
NAD83 UTM Zone 8N
Ryan Burke



Legend

- 2021 Till Sample Site with Sample ID

Discussion and Conclusions

Encouraging early-stage prospecting and geochemical sampling results on the Catch and Lunker properties warrant further investigation and work.

Mineralization observed to date suggests strong potential for both properties to host copper-gold porphyry mineralization. Propylitic alteration, brecciation, copper, and gold mineralization over a large area suggests a large-scale mineralizing system could be present in the vicinity of the Catch and Lunker claims.

Only 2.5 km away from the edge of the Catch claimblock is an interpreted mid-Cretaceous body mapped to the west (Figure 5, unit “mKN”). Mid to Late Cretaceous is a well recognized mineralizing event within the Yukon, which is responsible for the mineralization at Red Mountain, Klaza, Revenue-Nucleus and the Casino deposit. Alternatively, mineralization observed at Claire Lake could be related to Triassic-aged intrusive activity present along the ancient arc front of the Quesnel or Stikine terranes, and now buried beneath a thin veneer of till.

This area was regionally mapped as Semenov volcanics due to lack of outcrop exposure in the region. Evidence from recent fieldwork suggests this area contains more complex geology than previously recognized and deserves further work, given the occurrence of anomalous copper, gold, zinc, and molybdenum throughout the area.

Work Recommendations

The following is recommended for future work on the Catch and Lunker properties:

Infill geochemical sampling of the original 2020 till 500-m grid to 250-m spacing, with additional tighter 50-by-50 m spaced sample grids overtop of anomalous tills identified from 2021 infill sampling

Targeted contour sampling in areas of steep relief and little till cover east of Claire Lake

Follow-up prospecting on anomalous Cu, Au & Mo till samples from 2021

Drone surveying of the Catch and Lunker claim blocks

Additional hand-trenching in the areas with favourable Cu, Au and Ag mineralization from rock sampling

Propylitic alteration intensity mapping and general 1:1,000 scale geological mapping

Airborne magnetic and electromagnetic survey to delineate potential intrusions at depth

Induced Polarization (IP) survey to delineate extent and intensity of disseminated pyrite within altered basalts

Contingent upon positive results from further work, preliminary rotary air blast (RAB), reverse circulation (RC), or diamond drilling on the most prospective targets is recommended.

Respectfully submitted,

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

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

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APPENDIX I – STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

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

1. I graduated in 2018 from Memorial University of Newfoundland and Labrador with a B.Sc. (Hons.) in Geological Sciences.
2. I am currently registered as a Geoscientist In Training (G.I.T.) with Professional Engineers & Geoscientists Newfoundland & Labrador (PEGNL).
3. I have worked every summer since 2010 in a role related to the mineral exploration industry within the Yukon.
4. I have participated in this field program and personally interpreted all data resulting from this work.

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

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

APPENDIX II – STATEMENT OF EXPENDITURES

Statement of Expenditures

Daily Field Allowance	\$7,200.00
Total Air Transportation Costs (Plane)	\$5,303.13
Truck Rental	\$600.00
Total Wages Paid	\$30,850.00
Total Assays/Analyses Cost	\$15,176.34
Report Writing Costs	\$3,500.00
Cabin & Boat Rental	\$5,670.00
WCB Coverage & Generator Rental	\$1,435.44
<hr/>	
TOTAL EXPENDITURES	\$69,734.91

**APPENDIX III - GEOCHEMICAL SAMPLE HANDLING AND
ANALYTICAL PROCEDURES**

SAMPLE HANDLING AND ANALYTICAL PROCEDURES

All rock and till samples collected during the 2021 program were sorted into rice bags and sealed with a plastic zap strap on the Catch 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 2021 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 Cu was reanalyzed using the AQ370 technique.

Till Geochemical Samples

All till geochemical samples collected on the property were marked with a handheld Garmin 64s GPS unit. Samples were collected with a 70-cm till auger. Sample depths varied from 40 to 70 cm depth. 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. Overlimit Cu was reanalyzed using the AQ370 technique.

APPENDIX IV – 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 Canada-
Receiving Lab: Whitehorse July 21,
Received: 2021

Analysis Start: August 06, 2021

Report Date: August 27, 2021

Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI21000244.1

CLIENT JOB INFORMATION

Project:	KT	Procedure
Shipment ID:		Code
P.O. Number		SS80
Number of Samples:	320	AQ201
		SVRJT

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
	320	Dry at 60C sieve 100g to -80 mesh			WHI
	319	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
	320	Save all or part of Soil Reject			WHI
SHP01	320	Per sample shipping charges for branch shipments			VAN

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
IMM-RJT Return immediately after analysis

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: Michael Burke

Jeffrey Cannon
JEFFREY CANNON
Geochemistry Department Supervisor



CERTIFICATE OF ANALYSIS

WHI21000244.1

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	
3852001	Soil	0.5	76.8	4.9	216	0.3	13.4	15.3	981	2.73	5.2	0.2	2.3	0.8	30	0.5	0.2	<0.1	84	1.29	0.044
3852002	Soil	0.5	110.3	7.5	198	0.1	21.2	23.6	808	4.25	6.6	0.2	0.9	1.0	59	1.1	0.2	0.1	128	1.26	0.018
3852003	Soil	0.6	117.7	5.7	180	<0.1	18.7	24.0	610	3.16	12.2	0.3	3.0	1.6	23	0.5	0.3	0.1	80	0.80	0.022
3852004	Soil	0.3	15.1	6.9	58	<0.1	7.4	6.7	200	1.55	2.7	0.3	<0.5	1.6	11	0.2	0.2	<0.1	45	0.29	0.013
3852005	Soil	0.9	143.0	4.4	111	0.2	23.1	25.7	899	4.41	6.5	0.2	21.4	0.7	64	0.4	0.2	<0.1	138	2.33	0.039
3852006	Soil	0.5	189.6	4.7	146	0.1	18.7	16.3	1067	2.82	3.9	0.5	2.4	1.4	39	0.4	0.3	<0.1	91	1.38	0.036
3852007	Soil	0.9	330.2	4.1	73	0.2	24.7	47.3	669	6.15	6.9	0.5	11.6	1.4	80	0.1	0.3	0.2	187	1.91	0.012
3852008	Soil	0.5	118.4	4.2	64	<0.1	22.3	21.1	553	3.93	10.3	0.4	17.1	2.1	29	<0.1	0.4	<0.1	124	0.72	0.014
3852009	Soil	1.5	220.1	6.5	71	0.2	27.3	24.3	472	3.73	8.1	0.6	18.4	2.6	35	0.1	0.4	0.1	106	1.21	0.021
3852010	Soil	0.7	127.9	4.4	80	0.1	21.2	19.1	645	3.37	9.1	0.4	13.7	2.1	64	0.2	0.5	<0.1	99	2.45	0.048
3852011	Soil	0.6	65.0	5.2	101	0.2	19.3	15.1	707	2.51	6.1	0.8	3.5	1.3	48	0.5	0.3	0.1	80	1.65	0.055
3852012	Soil	0.7	219.3	7.7	61	0.4	31.8	36.8	752	6.71	47.5	0.5	197.1	1.0	47	0.2	0.5	0.2	222	2.03	0.016
3852013	Soil	0.4	343.4	9.6	156	0.4	32.1	45.5	1259	5.38	7.3	0.2	32.5	1.0	206	0.6	0.3	0.1	192	3.64	0.021
3852014	Soil	1.1	232.2	6.1	171	0.3	31.2	33.0	1005	5.51	12.7	0.4	22.4	2.0	98	0.3	0.4	0.1	171	1.78	0.015
3852015	Soil	0.7	240.1	4.2	82	0.2	26.0	31.1	1172	5.14	6.5	0.3	19.0	1.2	60	0.3	0.3	<0.1	171	3.55	0.024
3852016	Soil	0.4	180.6	2.3	30	<0.1	13.1	27.9	389	4.60	1.7	0.1	4.7	0.5	72	0.2	<0.1	<0.1	139	3.40	0.009
3852017	Soil	0.6	118.5	4.6	106	0.2	19.0	21.0	877	3.45	9.6	0.4	13.8	1.5	75	0.6	0.6	<0.1	109	6.15	0.049
3852018	Soil	0.6	110.6	11.4	214	0.2	22.5	24.5	775	3.33	8.0	0.2	1.1	1.4	23	0.5	0.3	<0.1	105	0.68	0.025
3852019	Soil	0.5	63.1	5.1	121	0.2	21.6	13.4	520	2.91	8.1	0.6	2.7	3.7	28	0.3	0.5	0.1	80	0.78	0.036
3852020	Soil	12.4	1116.9	14.5	360	0.8	31.1	99.2	1835	9.04	10.7	2.0	41.9	1.4	31	1.8	0.5	0.2	183	4.00	0.033
3852021	Soil	2.3	256.0	9.8	595	0.2	27.8	36.8	1224	5.97	14.5	0.4	21.8	1.0	76	1.3	0.7	0.1	183	1.38	0.015
3852022	Soil	2.0	267.8	10.4	360	0.3	28.0	37.9	1350	5.88	13.4	0.5	18.1	1.4	51	0.9	0.8	0.2	155	1.67	0.025
3852023	Soil	1.2	226.4	6.6	193	0.1	29.7	30.3	1008	5.47	9.8	0.4	12.6	1.6	71	0.3	0.6	<0.1	180	1.19	0.015
3852024	Soil	2.1	2249.9	7.2	401	0.5	37.5	124.9	1298	8.88	16.6	0.4	240.5	0.6	20	1.8	0.6	0.1	108	0.92	0.061
3852025	Soil	1.5	389.8	5.7	357	0.4	23.5	40.3	1373	4.97	7.7	0.3	21.7	1.3	55	1.0	0.4	0.1	128	1.23	0.018
3852026	Soil	0.6	360.9	3.8	190	0.3	48.2	51.9	571	4.64	6.6	0.2	6.6	0.8	28	0.4	0.3	<0.1	121	0.68	0.027
3852027	Soil	1.0	788.0	5.1	98	0.2	24.9	38.1	917	4.73	11.1	0.6	49.0	1.7	38	0.2	0.6	<0.1	135	1.07	0.014
3852028	Soil	0.7	335.0	5.8	168	0.2	30.6	37.0	1007	6.18	19.6	0.2	21.9	1.0	52	0.3	0.5	0.1	181	1.11	0.024
3852029	Soil	0.7	239.6	5.4	88	0.2	26.4	33.1	761	4.99	6.6	0.4	9.3	1.4	57	0.3	0.4	<0.1	140	1.90	0.030
3852030	Soil	0.9	729.2	7.0	168	0.3	39.5	59.2	981	7.11	7.3	0.3	108.8	0.8	104	0.5	0.5	0.1	174	2.03	0.024



CERTIFICATE OF ANALYSIS

WHI21000244.1

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	
3852001	Soil	3	36	0.63	99	0.030	4	2.41	0.037	0.04	<0.1	0.02	9.1	<0.1	<0.05	6	<0.5	<0.2
3852002	Soil	3	46	0.97	184	0.050	4	4.72	0.020	0.10	<0.1	0.02	13.2	<0.1	<0.05	10	<0.5	0.2
3852003	Soil	4	33	0.68	109	0.048	3	2.48	0.029	0.07	<0.1	0.02	7.5	<0.1	<0.05	6	<0.5	<0.2
3852004	Soil	4	19	0.31	55	0.024	3	1.07	0.022	0.07	<0.1	0.02	3.0	<0.1	<0.05	3	<0.5	<0.2
3852005	Soil	2	59	1.50	125	0.085	4	3.79	0.020	0.05	<0.1	0.13	14.1	<0.1	0.06	8	0.8	<0.2
3852006	Soil	6	36	0.62	181	0.053	4	2.50	0.050	0.05	<0.1	0.07	9.4	<0.1	<0.05	6	0.6	<0.2
3852007	Soil	6	44	1.39	97	0.077	3	5.00	0.046	0.06	<0.1	0.17	21.4	<0.1	<0.05	11	1.6	0.3
3852008	Soil	7	45	0.91	116	0.058	2	3.15	0.028	0.04	<0.1	0.05	14.1	<0.1	<0.05	7	<0.5	<0.2
3852009	Soil	7	48	0.97	129	0.091	5	2.76	0.036	0.04	<0.1	0.04	12.1	<0.1	<0.05	7	0.7	0.3
3852010	Soil	8	40	0.98	131	0.085	4	2.27	0.035	0.07	<0.1	0.08	11.5	<0.1	<0.05	6	0.6	<0.2
3852011	Soil	6	36	0.70	204	0.050	3	2.03	0.017	0.05	0.1	0.04	7.1	<0.1	<0.05	6	<0.5	<0.2
3852012	Soil	4	75	1.96	159	0.101	3	4.93	0.013	0.09	<0.1	0.12	26.7	<0.1	<0.05	11	1.3	0.5
3852013	Soil	3	81	1.83	277	0.119	4	4.88	0.023	0.05	<0.1	0.18	22.9	<0.1	<0.05	11	0.7	0.3
3852014	Soil	7	71	1.70	159	0.114	3	4.17	0.033	0.05	<0.1	0.12	20.9	<0.1	<0.05	9	0.6	0.2
3852015	Soil	4	90	1.35	133	0.078	3	4.19	0.020	0.11	<0.1	0.19	21.0	<0.1	<0.05	9	<0.5	<0.2
3852016	Soil	2	19	0.85	87	0.039	2	6.14	0.025	0.12	<0.1	0.04	9.9	<0.1	<0.05	11	0.7	<0.2
3852017	Soil	6	43	1.04	109	0.065	4	2.09	0.025	0.05	<0.1	0.07	13.3	<0.1	<0.05	5	0.8	<0.2
3852018	Soil	5	39	0.77	110	0.051	2	2.67	0.026	0.05	<0.1	0.02	11.4	<0.1	<0.05	6	<0.5	<0.2
3852019	Soil	12	42	0.73	113	0.086	2	2.01	0.029	0.07	0.1	0.03	12.0	<0.1	<0.05	5	<0.5	<0.2
3852020	Soil	8	51	1.59	72	0.010	2	4.24	0.020	0.06	<0.1	0.13	19.7	<0.1	0.06	9	4.0	0.3
3852021	Soil	4	76	1.63	169	0.061	1	4.89	0.026	0.08	<0.1	0.06	24.8	<0.1	<0.05	11	<0.5	<0.2
3852022	Soil	5	58	1.51	124	0.046	2	4.08	0.024	0.05	<0.1	0.05	20.3	<0.1	<0.05	10	1.4	0.2
3852023	Soil	5	72	1.42	206	0.061	2	4.91	0.036	0.05	<0.1	0.03	22.7	<0.1	<0.05	11	0.8	<0.2
3852024	Soil	3	44	0.81	66	0.030	1	2.44	0.029	0.04	<0.1	0.06	10.0	<0.1	0.07	6	7.3	0.7
3852025	Soil	4	33	1.04	163	0.025	<1	4.71	0.027	0.06	<0.1	0.02	11.6	<0.1	<0.05	11	0.7	0.7
3852026	Soil	3	78	0.85	68	0.056	1	3.12	0.019	0.04	<0.1	0.03	8.8	<0.1	<0.05	7	1.1	0.2
3852027	Soil	7	58	1.18	103	0.068	2	3.11	0.044	0.04	<0.1	0.10	16.4	<0.1	<0.05	7	1.1	<0.2
3852028	Soil	3	61	1.52	133	0.037	<1	4.85	0.016	0.05	<0.1	0.05	15.1	<0.1	<0.05	10	0.9	<0.2
3852029	Soil	4	50	1.16	204	0.047	2	4.15	0.019	0.09	<0.1	0.05	16.2	<0.1	0.06	9	0.9	<0.2
3852030	Soil	4	50	1.27	240	0.056	2	6.22	0.042	0.09	<0.1	0.03	20.0	<0.1	<0.05	13	1.0	0.4



CERTIFICATE OF ANALYSIS

WHI21000244.1

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	
3852031	Soil	1.3	1565.3	6.9	266	0.5	45.5	88.1	1295	8.31	6.9	0.3	649.9	0.9	66	0.7	0.7	0.1	211	1.22	0.035
3852032	Soil	0.7	134.1	7.8	187	0.1	21.9	28.1	948	4.06	9.3	0.5	17.6	1.5	31	0.6	0.6	<0.1	131	1.31	0.017
3852033	Soil	0.7	164.9	7.6	212	0.2	29.6	34.9	1071	5.56	11.1	0.4	7.2	1.3	49	0.7	0.8	<0.1	184	1.83	0.023
3852034	Soil	12.7	755.2	13.3	1152	1.4	28.9	65.4	2345	9.20	13.7	1.0	92.7	1.6	54	3.2	0.5	0.3	223	0.90	0.039
3852035	Soil	6.2	>10000	8.6	1951	6.7	106.9	302.2	3107	14.58	4.8	0.6	301.5	0.4	32	12.8	0.6	0.3	272	1.64	0.046
3852036	Soil	0.5	129.8	3.9	190	0.3	26.5	25.3	1169	3.80	5.3	0.2	11.5	0.8	36	0.7	0.4	<0.1	145	4.69	0.022
3852037	Soil	0.6	70.2	4.4	100	0.1	22.1	17.4	695	3.41	6.6	0.3	1.6	2.5	28	0.2	0.4	<0.1	105	0.77	0.018
3852038	Soil	0.5	77.2	4.3	55	<0.1	22.9	17.9	463	3.27	5.2	0.4	3.6	2.3	36	0.1	0.5	0.1	99	0.79	0.013
3852039	Soil	0.5	79.3	4.9	120	0.2	22.9	19.8	1453	4.00	6.0	0.2	1.3	1.8	37	0.2	0.3	<0.1	126	0.99	0.018
3852040	Soil	0.4	127.6	7.5	132	0.2	23.6	28.6	1000	5.11	6.9	0.3	10.3	1.3	41	0.3	0.4	<0.1	173	0.85	0.012
3852041	Soil	0.7	87.7	21.5	725	0.3	17.5	25.9	3205	4.05	7.9	0.3	4.7	0.9	27	2.1	0.4	<0.1	121	0.87	0.046
3852042	Soil	0.8	181.5	8.0	335	0.3	24.8	35.8	1032	5.51	9.0	0.3	11.2	0.8	40	0.8	0.4	<0.1	167	1.54	0.038
3852043	Soil	0.8	283.0	11.3	258	0.3	25.7	42.8	914	5.23	7.2	0.2	7.6	0.6	66	1.3	0.4	<0.1	150	2.69	0.053
3852044	Soil	0.6	163.8	9.3	472	0.4	30.0	39.6	1731	6.46	21.7	0.3	24.0	1.1	34	1.6	0.5	<0.1	226	2.18	0.039
3852045	Soil	0.9	112.7	5.6	100	<0.1	17.9	22.0	906	4.00	5.1	0.3	5.2	0.8	95	0.4	0.2	<0.1	156	1.73	0.034
3852046	Soil	0.5	129.9	4.0	57	<0.1	23.9	16.6	435	3.61	9.0	0.4	2.6	2.3	29	0.1	0.4	<0.1	122	0.71	0.012
3852047	Soil	1.0	264.7	11.5	636	0.1	37.0	56.3	607	6.00	9.2	0.3	2.3	1.8	65	1.0	0.6	<0.1	117	0.97	0.026
3852048	Soil	0.6	98.2	6.8	84	0.2	23.9	17.7	636	3.00	6.1	0.9	3.8	2.9	33	0.3	0.4	0.1	82	0.79	0.061
3852049	Soil	0.4	78.0	5.3	77	0.1	18.4	18.0	731	3.03	9.0	0.3	19.0	1.3	35	0.2	0.2	<0.1	105	1.25	0.063
3852050	Soil	1.5	419.3	7.0	59	0.4	82.2	72.8	1013	7.50	7.1	0.4	6.8	1.4	40	0.2	0.5	<0.1	215	1.43	0.038
3852051	Soil	0.5	179.2	5.6	252	0.3	19.8	37.8	1498	4.44	6.5	0.2	3.9	0.6	53	1.2	0.3	<0.1	119	1.83	0.057
3852052	Soil	0.8	102.6	9.9	279	0.4	28.0	52.8	1138	5.82	19.9	0.4	48.2	1.4	49	0.8	0.6	<0.1	180	1.94	0.022
3852053	Soil	0.5	64.4	4.5	83	<0.1	21.6	20.4	507	3.59	9.1	0.4	4.3	2.0	30	0.2	0.4	<0.1	114	0.86	0.029
3852054	Soil	0.4	32.8	2.8	34	<0.1	12.3	10.7	386	2.29	6.9	0.2	0.6	1.1	24	0.1	0.3	<0.1	72	0.51	0.027
3852055	Soil	0.4	27.7	3.7	38	<0.1	14.2	10.1	428	2.39	6.1	0.3	<0.5	1.4	24	<0.1	0.3	<0.1	76	0.47	0.039
3852056	Soil	0.6	33.1	4.4	41	<0.1	14.4	11.1	408	2.56	8.4	0.4	0.8	1.6	21	<0.1	0.4	<0.1	80	0.36	0.025
3852057	Soil	0.4	63.9	3.2	42	<0.1	23.1	17.6	640	3.65	8.2	0.4	2.9	2.1	29	0.1	0.4	<0.1	124	0.74	0.034
3852058	Soil	0.4	138.9	3.1	41	<0.1	25.7	20.0	667	4.06	5.9	0.4	7.5	2.0	53	0.1	0.2	<0.1	142	1.86	0.041
3852059	Soil	0.4	48.5	3.4	28	<0.1	15.0	9.4	334	2.08	4.5	0.6	5.6	2.4	25	<0.1	0.3	<0.1	65	0.61	0.043
3852060	Soil	0.5	26.7	2.9	31	0.1	10.9	7.8	218	1.97	5.3	0.3	3.2	0.9	16	<0.1	0.2	<0.1	70	0.24	0.023



CERTIFICATE OF ANALYSIS

WHI21000244.1

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	
3852031	Soil	4	77	1.65	155	0.062	2	5.35	0.038	0.05	<0.1	0.03	20.2	<0.1	<0.05	12	3.2	0.5
3852032	Soil	5	46	0.98	101	0.070	<1	4.54	0.033	0.03	<0.1	0.03	15.7	<0.1	<0.05	10	<0.5	<0.2
3852033	Soil	4	74	1.73	145	0.057	4	4.75	0.021	0.05	<0.1	0.03	21.3	<0.1	<0.05	10	0.9	<0.2
3852034	Soil	10	83	2.17	139	0.013	3	4.80	0.021	0.17	<0.1	0.06	28.6	<0.1	<0.05	11	3.2	0.5
3852035	Soil	6	68	2.67	54	0.069	4	5.55	0.006	0.04	<0.1	0.53	34.2	<0.1	0.15	13	12.2	1.2
3852036	Soil	4	69	1.43	126	0.008	2	4.35	0.029	0.05	<0.1	0.04	17.2	<0.1	<0.05	9	2.5	<0.2
3852037	Soil	7	45	0.81	147	0.048	2	2.73	0.031	0.05	<0.1	0.02	13.1	0.1	<0.05	7	0.5	<0.2
3852038	Soil	6	44	0.80	161	0.070	2	3.25	0.031	0.07	<0.1	0.02	12.6	<0.1	<0.05	8	<0.5	<0.2
3852039	Soil	6	55	0.89	165	0.094	4	3.47	0.028	0.06	<0.1	0.15	15.1	<0.1	<0.05	8	<0.5	<0.2
3852040	Soil	4	48	1.36	106	0.041	2	4.28	0.036	0.04	<0.1	0.03	20.2	<0.1	<0.05	10	1.0	<0.2
3852041	Soil	5	39	0.86	105	0.042	3	2.71	0.025	0.07	<0.1	0.04	12.8	<0.1	0.10	7	0.8	<0.2
3852042	Soil	3	58	1.50	129	0.093	4	3.92	0.021	0.08	<0.1	0.03	20.8	<0.1	0.06	11	1.3	<0.2
3852043	Soil	2	50	1.38	118	0.069	4	4.61	0.017	0.08	<0.1	0.06	18.8	<0.1	0.13	11	1.2	0.2
3852044	Soil	4	91	2.75	173	0.030	4	5.74	0.011	0.05	<0.1	0.26	26.7	<0.1	<0.05	13	0.7	<0.2
3852045	Soil	4	31	1.10	109	0.083	2	5.25	0.018	0.08	<0.1	0.05	16.3	<0.1	<0.05	11	0.6	<0.2
3852046	Soil	6	46	0.89	108	0.066	1	3.28	0.018	0.04	<0.1	0.03	9.2	<0.1	<0.05	8	<0.5	<0.2
3852047	Soil	3	50	0.86	182	0.066	3	3.74	0.028	0.06	<0.1	0.03	10.6	<0.1	0.06	8	2.6	<0.2
3852048	Soil	11	41	0.70	207	0.048	2	2.03	0.020	0.05	0.2	0.05	7.0	<0.1	<0.05	6	0.5	<0.2
3852049	Soil	6	42	0.92	104	0.070	2	2.28	0.024	0.05	0.1	0.08	9.8	<0.1	0.05	6	0.8	<0.2
3852050	Soil	4	154	1.66	64	0.073	3	6.14	0.016	0.06	<0.1	0.06	30.1	<0.1	0.10	12	2.4	<0.2
3852051	Soil	3	30	0.98	100	0.051	5	3.65	0.030	0.12	<0.1	0.05	13.4	<0.1	0.10	8	1.4	<0.2
3852052	Soil	5	57	1.36	115	0.081	2	6.54	0.026	0.05	<0.1	0.02	19.3	<0.1	<0.05	14	0.7	<0.2
3852053	Soil	6	42	0.85	154	0.085	2	2.99	0.020	0.06	<0.1	0.02	9.9	<0.1	<0.05	7	<0.5	<0.2
3852054	Soil	4	23	0.45	101	0.054	2	1.53	0.027	0.04	<0.1	0.02	5.1	<0.1	0.07	4	<0.5	<0.2
3852055	Soil	6	29	0.58	109	0.073	2	1.67	0.021	0.07	0.1	0.01	4.6	<0.1	0.08	5	0.5	<0.2
3852056	Soil	7	28	0.52	128	0.065	1	1.77	0.016	0.04	<0.1	0.02	5.0	<0.1	0.07	5	<0.5	<0.2
3852057	Soil	5	45	0.97	209	0.098	2	3.03	0.020	0.05	<0.1	0.02	9.4	<0.1	<0.05	7	0.6	<0.2
3852058	Soil	6	61	1.35	149	0.093	4	3.47	0.026	0.06	<0.1	0.06	13.8	<0.1	<0.05	8	0.6	<0.2
3852059	Soil	8	29	0.50	120	0.056	<1	1.54	0.019	0.04	0.1	0.03	6.1	<0.1	<0.05	4	<0.5	<0.2
3852060	Soil	4	21	0.38	115	0.060	3	1.60	0.020	0.03	<0.1	0.03	3.4	<0.1	0.05	5	<0.5	<0.2



CERTIFICATE OF ANALYSIS

WHI21000244.1

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
3852061	Soil	0.5	22.3	4.0	42	0.1	13.3	8.5	355	2.05	4.1	0.3	<0.5	1.4	22	0.2	0.2	<0.1	63	0.48	0.031
3852062	Soil	0.4	22.6	3.0	31	<0.1	10.9	8.4	263	1.92	4.9	0.3	2.2	1.2	18	<0.1	0.5	<0.1	64	0.36	0.022
3852063	Soil	0.5	74.4	4.4	40	<0.1	19.9	14.0	533	2.90	10.4	0.6	3.6	2.2	31	<0.1	0.5	<0.1	95	0.81	0.031
3852064	Soil	0.7	84.6	5.9	61	0.2	24.9	22.3	677	4.14	12.1	0.6	5.9	3.3	33	0.1	0.6	<0.1	132	0.73	0.014
3852065	Soil	0.6	92.2	5.1	82	<0.1	27.6	24.9	567	3.80	12.1	0.4	8.2	3.2	37	0.1	0.4	0.1	117	0.84	0.019
3852066	Soil	0.6	109.5	3.7	51	<0.1	25.1	33.3	616	4.42	7.8	0.3	1.8	1.6	65	0.1	0.4	<0.1	140	1.13	0.027
3852067	Soil	0.6	126.1	2.9	76	0.2	21.2	25.1	1032	4.88	3.5	0.2	2.0	0.7	44	0.2	0.2	<0.1	158	1.11	0.029
3852068	Soil	0.6	117.0	3.9	82	0.1	27.0	28.8	964	4.85	4.1	0.3	7.4	0.9	36	0.4	0.3	<0.1	142	1.39	0.029
3852069	Soil	0.5	51.9	4.5	130	0.1	20.2	15.0	615	2.90	6.6	0.4	2.6	3.0	29	0.3	0.3	<0.1	87	0.75	0.038
3852070	Soil	0.3	147.1	3.1	34	<0.1	16.6	14.8	574	2.88	4.6	0.5	2.9	1.2	31	<0.1	0.3	<0.1	86	1.80	0.029
3852071	Soil	0.4	35.2	3.0	39	<0.1	11.0	9.3	403	1.93	4.2	0.7	2.8	1.4	46	0.1	0.2	<0.1	70	1.48	0.043
3852072	Soil	0.5	60.5	4.4	54	<0.1	19.0	13.8	513	2.74	8.9	0.4	3.7	2.2	76	0.2	0.4	<0.1	90	3.24	0.053
3852073	Soil	0.9	44.0	5.6	41	<0.1	19.7	10.2	309	2.43	7.0	0.4	0.9	3.1	23	<0.1	0.4	<0.1	73	0.46	0.016
3852074	Soil	0.6	36.7	5.8	46	<0.1	20.0	10.4	307	2.53	7.6	0.5	16.4	3.7	24	0.1	0.4	0.1	73	0.50	0.020
3852075	Soil	0.2	43.8	2.5	22	<0.1	9.5	5.5	265	1.23	1.8	1.6	1.1	1.6	65	<0.1	0.4	<0.1	40	2.21	0.053
3852076	Soil	0.4	57.4	3.9	39	0.1	15.7	11.7	604	2.53	5.6	0.6	1.8	2.2	36	0.2	0.3	<0.1	83	1.02	0.037
3852077	Soil	0.5	68.1	3.9	47	<0.1	16.9	15.2	677	3.19	5.0	0.4	2.8	2.0	32	0.1	0.3	<0.1	103	1.02	0.029
3852078	Soil	0.9	42.5	3.8	49	<0.1	16.5	11.6	318	2.94	5.0	0.3	<0.5	1.3	25	0.2	0.3	<0.1	108	0.55	0.025
3852079	Soil	0.5	43.5	3.6	37	<0.1	13.4	9.5	361	2.43	5.5	0.5	0.5	1.8	34	0.1	0.3	<0.1	82	0.82	0.029
3852080	Soil	0.2	17.4	1.9	25	<0.1	6.8	4.0	154	1.15	2.3	0.2	<0.5	0.9	16	<0.1	0.2	<0.1	39	0.31	0.024
3852081	Soil	0.6	59.7	9.3	41	0.1	22.3	11.9	471	2.98	7.1	0.5	3.6	3.0	39	<0.1	0.4	<0.1	94	0.96	0.055
3852082	Soil	0.4	19.8	3.6	27	0.1	12.3	5.7	211	1.53	3.5	0.4	<0.5	1.7	22	<0.1	0.2	<0.1	46	0.37	0.031
3852083	Soil	0.7	33.3	4.4	37	<0.1	13.0	9.4	345	2.31	5.4	0.3	<0.5	1.0	29	0.2	0.5	<0.1	76	0.52	0.030
3852084	Soil	0.6	35.0	5.9	45	0.2	14.8	10.9	785	2.12	3.5	0.6	1.0	1.5	35	0.2	0.2	0.1	68	1.15	0.046
3852085	Soil	0.6	60.0	5.7	29	0.2	15.9	8.4	378	1.77	4.0	0.8	2.6	1.6	35	<0.1	0.3	<0.1	54	0.96	0.060
3852086	Soil	0.8	33.4	7.7	54	0.1	20.9	11.2	553	2.41	6.4	0.8	1.0	2.9	35	0.1	0.3	0.1	68	0.78	0.050
3852087	Soil	0.4	35.0	4.5	37	<0.1	16.4	11.0	447	2.44	5.7	0.4	1.7	2.1	24	0.1	0.3	<0.1	81	0.66	0.028
3852088	Soil	0.3	22.7	2.9	25	<0.1	10.4	5.6	256	1.24	2.6	0.5	0.6	1.3	30	0.1	0.2	<0.1	33	0.78	0.046
3852089	Soil	0.3	48.0	3.9	29	0.1	11.5	6.3	280	1.57	3.5	0.8	<0.5	1.3	39	0.2	0.2	<0.1	46	1.25	0.051
3852090	Soil	0.4	38.5	2.6	26	<0.1	10.8	8.1	281	2.02	3.2	0.3	<0.5	1.0	23	<0.1	0.2	<0.1	73	0.62	0.028



CERTIFICATE OF ANALYSIS

WHI21000244.1

Method	Analyte	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		
3852061	Soil	6	25	0.44	104	0.070	2	1.41	0.020	0.08	0.1	0.01	4.2	<0.1	<0.05	4	<0.5	<0.2	
3852062	Soil	5	23	0.42	60	0.064	2	1.28	0.026	0.06	<0.1	0.02	4.2	<0.1	0.08	4	<0.5	<0.2	
3852063	Soil	8	37	0.67	137	0.077	2	2.05	0.033	0.05	<0.1	0.04	10.5	<0.1	0.07	5	0.5	<0.2	
3852064	Soil	10	56	0.94	118	0.081	2	3.18	0.020	0.08	<0.1	0.04	16.2	<0.1	0.06	8	<0.5	<0.2	
3852065	Soil	8	55	0.98	158	0.108	2	3.43	0.021	0.09	<0.1	0.01	13.5	<0.1	<0.05	9	0.8	<0.2	
3852066	Soil	4	45	0.99	188	0.064	2	4.11	0.019	0.11	<0.1	0.03	16.2	<0.1	0.09	10	1.5	<0.2	
3852067	Soil	3	48	1.32	131	0.052	2	3.94	0.024	0.08	<0.1	0.02	15.3	<0.1	<0.05	10	1.2	<0.2	
3852068	Soil	4	58	1.04	128	0.051	2	3.52	0.023	0.06	<0.1	0.05	17.2	<0.1	0.07	8	0.8	<0.2	
3852069	Soil	9	41	0.67	130	0.076	2	2.17	0.024	0.07	0.1	0.01	10.5	<0.1	0.08	6	0.6	<0.2	
3852070	Soil	6	38	0.80	89	0.031	5	1.99	0.029	0.05	<0.1	0.07	10.9	<0.1	0.11	5	1.1	<0.2	
3852071	Soil	6	27	0.58	86	0.056	10	1.17	0.025	0.04	<0.1	0.05	6.2	<0.1	0.09	3	1.8	<0.2	
3852072	Soil	8	35	0.80	135	0.075	5	1.63	0.031	0.07	<0.1	0.06	10.2	<0.1	0.06	5	0.9	<0.2	
3852073	Soil	9	37	0.56	81	0.074	2	1.66	0.024	0.07	0.1	0.02	7.9	<0.1	<0.05	5	<0.5	<0.2	
3852074	Soil	10	37	0.56	114	0.080	1	1.83	0.019	0.07	0.1	0.02	8.0	0.1	<0.05	5	<0.5	<0.2	
3852075	Soil	4	16	0.31	140	0.034	6	0.78	0.027	0.03	<0.1	0.04	3.3	<0.1	0.09	2	1.5	<0.2	
3852076	Soil	7	32	0.62	122	0.062	4	1.83	0.026	0.06	<0.1	0.03	8.9	<0.1	<0.05	5	<0.5	<0.2	
3852077	Soil	7	39	0.79	111	0.073	3	2.67	0.024	0.12	<0.1	0.06	11.2	<0.1	<0.05	7	<0.5	<0.2	
3852078	Soil	5	42	0.67	93	0.068	2	2.44	0.019	0.08	<0.1	0.02	6.9	<0.1	<0.05	6	<0.5	<0.2	
3852079	Soil	6	28	0.59	116	0.063	2	1.74	0.028	0.04	<0.1	0.02	7.5	<0.1	<0.05	5	<0.5	<0.2	
3852080	Soil	4	12	0.21	77	0.049	<1	0.83	0.032	0.05	<0.1	<0.01	2.2	<0.1	<0.05	3	<0.5	<0.2	
3852081	Soil	10	40	0.84	157	0.080	4	2.07	0.034	0.05	<0.1	0.06	10.6	<0.1	<0.05	5	<0.5	<0.2	
3852082	Soil	7	20	0.36	94	0.063	<1	1.17	0.029	0.06	0.1	<0.01	2.8	<0.1	<0.05	3	<0.5	<0.2	
3852083	Soil	6	24	0.45	130	0.051	2	1.68	0.023	0.04	<0.1	0.03	5.3	<0.1	<0.05	5	<0.5	<0.2	
3852084	Soil	8	30	0.55	184	0.065	2	1.56	0.019	0.05	0.1	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2	
3852085	Soil	14	29	0.44	140	0.040	1	1.70	0.017	0.05	0.2	0.08	7.2	<0.1	<0.05	5	<0.5	<0.2	
3852086	Soil	11	39	0.63	170	0.080	<1	1.84	0.021	0.06	0.2	0.02	5.5	0.1	0.09	5	<0.5	<0.2	
3852087	Soil	7	31	0.65	128	0.086	2	1.91	0.020	0.05	0.1	0.02	5.8	<0.1	<0.05	5	<0.5	<0.2	
3852088	Soil	7	17	0.32	105	0.044	<1	1.05	0.036	0.04	<0.1	0.03	3.5	<0.1	0.07	3	<0.5	<0.2	
3852089	Soil	7	20	0.42	104	0.050	3	1.21	0.034	0.05	<0.1	0.05	4.9	<0.1	0.08	3	<0.5	<0.2	
3852090	Soil	4	23	0.48	108	0.051	1	1.60	0.034	0.04	<0.1	0.02	5.2	<0.1	<0.05	4	<0.5	<0.2	



CERTIFICATE OF ANALYSIS

WHI21000244.1

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	
3852091	Soil	0.4	55.0	3.6	43	<0.1	14.6	10.4	320	2.16	3.8	1.0	3.5	1.8	40	0.1	0.3	<0.1	80	1.60	0.046
3852092	Soil	0.4	47.2	3.5	38	<0.1	13.1	7.9	316	1.91	4.3	0.7	2.6	1.4	44	0.1	0.4	<0.1	60	1.49	0.052
3852093	Soil	0.4	20.3	2.9	33	<0.1	11.6	7.1	311	1.69	3.1	0.3	3.0	1.5	23	<0.1	0.2	<0.1	57	0.70	0.031
3852094	Soil	0.6	82.9	4.8	133	<0.1	24.1	23.1	1152	4.46	11.4	0.3	1.7	1.1	18	0.3	0.5	<0.1	135	0.59	0.026
3852095	Soil	0.6	43.3	7.6	36	<0.1	19.4	10.6	361	2.24	4.6	0.5	1.3	3.1	18	<0.1	0.3	<0.1	69	0.49	0.012
3852096	Soil	0.5	31.2	2.8	41	<0.1	13.3	10.5	742	3.27	3.3	0.3	<0.5	1.6	51	<0.1	0.3	<0.1	130	1.31	0.022
3852097	Soil	0.3	19.6	3.0	29	<0.1	9.7	6.9	357	1.70	4.0	0.3	<0.5	1.4	17	<0.1	0.2	<0.1	53	0.36	0.022
3852098	Soil	0.5	23.6	5.3	33	<0.1	16.9	8.8	268	2.28	6.6	0.4	<0.5	2.3	20	<0.1	0.3	<0.1	74	0.37	0.016
3852099	Soil	0.7	37.7	7.8	44	<0.1	23.8	11.6	379	2.88	7.7	0.5	1.4	3.5	30	<0.1	0.5	0.1	90	0.58	0.048
3852100	Soil	0.7	41.2	6.6	41	<0.1	19.4	11.4	375	2.76	8.2	0.5	1.6	3.1	28	<0.1	0.4	<0.1	88	0.58	0.026
3852101	Soil	0.4	72.9	4.6	93	<0.1	24.6	18.1	974	3.42	6.5	0.4	2.0	2.6	39	0.3	0.4	<0.1	109	1.29	0.033
3852102	Soil	0.7	144.0	6.0	66	<0.1	27.9	15.8	450	3.57	8.3	0.4	18.9	3.7	33	0.1	0.5	0.1	108	0.79	0.011
3852103	Soil	0.5	209.4	4.4	159	0.3	58.5	33.9	1031	5.31	4.8	0.3	84.6	1.5	55	0.3	0.5	0.3	156	1.49	0.016
3852104	Soil	0.7	144.2	5.0	67	0.1	27.5	29.9	757	4.29	5.2	0.3	1.9	2.0	49	0.2	0.3	0.1	134	0.98	0.022
3852105	Soil	0.8	251.3	4.2	58	0.1	31.7	30.4	475	4.35	5.2	0.4	2.8	2.5	39	0.1	0.4	<0.1	134	0.81	0.020
3852106	Soil	0.6	218.5	3.7	71	0.2	26.2	40.2	790	4.22	5.2	0.4	7.5	1.3	88	0.4	0.4	<0.1	115	4.03	0.056
3852107	Soil	0.7	160.6	5.4	74	0.2	24.6	34.9	819	4.63	8.5	0.4	7.1	1.6	62	0.3	0.5	0.1	132	3.27	0.035
3852108	Soil	0.7	95.9	7.1	49	0.2	23.6	19.4	446	3.06	4.9	0.6	3.3	2.4	28	0.2	0.3	0.1	96	0.92	0.026
3852109	Soil	1.1	161.0	6.3	118	0.1	23.8	21.2	593	3.76	13.2	0.5	21.2	1.9	40	0.3	0.4	0.1	116	1.23	0.052
3852110	Soil	0.7	106.5	6.3	151	0.1	28.5	22.2	946	4.01	6.7	0.3	8.5	1.4	38	0.3	0.4	0.2	132	1.16	0.028
3852111	Soil	1.2	251.3	6.9	330	0.4	24.0	26.5	996	3.55	7.1	0.5	22.5	2.0	34	0.5	0.4	0.1	112	0.93	0.043
3852112	Soil	1.1	214.9	5.6	211	0.3	22.0	22.3	908	3.28	6.0	0.4	8.1	1.3	41	1.1	0.4	<0.1	97	1.53	0.046
3852113	Soil	1.0	175.2	6.0	178	0.1	22.7	25.4	1018	4.44	9.0	0.5	12.2	2.0	40	0.4	0.5	<0.1	130	0.95	0.016
3852114	Soil	2.0	204.0	7.8	145	0.3	26.2	26.7	711	4.74	10.5	0.8	17.0	2.8	41	0.3	0.7	0.1	133	0.82	0.011
3852115	Soil	0.8	195.5	6.4	118	0.5	28.5	26.4	960	5.22	7.8	0.5	8.3	2.3	46	0.4	0.5	<0.1	164	1.75	0.018
3852116	Soil	0.5	117.5	4.3	96	0.2	21.4	15.4	686	2.85	5.0	0.3	1.9	2.0	21	0.3	0.3	0.1	91	1.00	0.035
3852117	Soil	0.8	212.8	6.6	194	0.4	40.9	38.8	1032	6.21	5.8	0.3	3.9	0.7	66	0.5	0.4	0.1	172	1.46	0.024
3852118	Soil	3.8	1093.5	6.7	352	1.0	34.3	63.9	1313	6.43	7.1	1.2	70.9	0.6	57	1.5	0.5	<0.1	159	1.72	0.023
3852119	Soil	9.4	362.3	12.0	554	0.7	27.0	53.7	1988	8.21	13.3	0.8	48.5	1.3	33	1.4	0.8	0.2	166	0.93	0.017
3852120	Soil	1.2	180.5	10.1	495	0.3	22.7	26.2	1239	5.05	9.2	0.3	6.6	0.8	45	1.0	0.4	<0.1	181	1.49	0.013



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Report Date: August 27, 2021

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CERTIFICATE OF ANALYSIS

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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	
3852091	Soil	7	33	0.71	98	0.077	8	1.65	0.029	0.05	0.1	0.08	8.7	<0.1	0.08	4	1.2	<0.2
3852092	Soil	7	26	0.57	105	0.054	8	1.28	0.031	0.05	<0.1	0.05	7.1	<0.1	0.08	4	1.1	<0.2
3852093	Soil	5	25	0.53	90	0.056	2	1.27	0.021	0.05	<0.1	0.02	4.9	<0.1	<0.05	4	<0.5	<0.2
3852094	Soil	4	49	1.05	120	0.020	1	2.55	0.018	0.04	<0.1	0.03	14.3	<0.1	<0.05	7	0.7	<0.2
3852095	Soil	10	40	0.61	70	0.077	<1	1.69	0.027	0.06	0.1	0.02	8.2	<0.1	<0.05	4	<0.5	<0.2
3852096	Soil	5	26	0.91	137	0.092	4	4.09	0.019	0.18	<0.1	0.06	16.9	<0.1	<0.05	9	<0.5	<0.2
3852097	Soil	5	20	0.35	98	0.061	<1	1.13	0.030	0.04	<0.1	0.02	4.5	<0.1	<0.05	3	<0.5	<0.2
3852098	Soil	7	31	0.56	139	0.079	<1	1.81	0.017	0.04	0.1	0.02	4.9	0.1	<0.05	5	<0.5	<0.2
3852099	Soil	10	41	0.77	177	0.084	<1	2.32	0.021	0.05	0.1	0.02	7.7	<0.1	<0.05	6	<0.5	<0.2
3852100	Soil	9	39	0.65	180	0.086	1	1.95	0.019	0.04	0.1	0.02	7.7	<0.1	<0.05	6	<0.5	<0.2
3852101	Soil	8	60	0.95	141	0.113	4	2.82	0.032	0.05	0.1	0.05	12.5	<0.1	<0.05	7	<0.5	<0.2
3852102	Soil	10	54	0.78	123	0.075	<1	3.09	0.022	0.07	0.1	0.04	13.7	<0.1	<0.05	7	<0.5	<0.2
3852103	Soil	5	131	1.69	132	0.070	3	4.18	0.023	0.05	<0.1	0.04	22.0	<0.1	<0.05	9	<0.5	0.5
3852104	Soil	5	60	0.95	127	0.101	2	4.34	0.019	0.09	<0.1	0.06	16.0	<0.1	<0.05	9	<0.5	<0.2
3852105	Soil	6	55	1.06	154	0.107	<1	3.55	0.020	0.06	0.1	0.04	10.3	<0.1	<0.05	8	0.8	<0.2
3852106	Soil	3	45	1.24	152	0.080	8	3.93	0.026	0.08	<0.1	0.16	13.5	<0.1	0.09	8	1.1	0.2
3852107	Soil	5	45	1.22	120	0.097	13	3.19	0.026	0.07	<0.1	0.16	14.7	<0.1	<0.05	7	1.0	0.3
3852108	Soil	7	37	0.66	119	0.067	13	2.59	0.027	0.06	0.1	0.03	6.6	<0.1	<0.05	6	<0.5	<0.2
3852109	Soil	7	47	0.99	118	0.091	5	2.71	0.032	0.06	<0.1	0.04	11.7	<0.1	<0.05	7	0.8	<0.2
3852110	Soil	5	69	1.10	124	0.101	3	3.37	0.022	0.05	<0.1	0.04	11.2	<0.1	<0.05	8	<0.5	<0.2
3852111	Soil	7	45	0.93	152	0.080	3	3.46	0.034	0.05	<0.1	0.05	11.7	<0.1	<0.05	8	0.6	<0.2
3852112	Soil	6	43	0.81	166	0.065	3	2.80	0.031	0.04	<0.1	0.14	10.7	<0.1	<0.05	7	0.8	<0.2
3852113	Soil	8	48	1.06	124	0.075	3	3.54	0.027	0.06	<0.1	0.11	15.4	<0.1	<0.05	8	0.8	<0.2
3852114	Soil	10	52	1.02	150	0.091	2	3.67	0.031	0.06	<0.1	0.05	15.3	<0.1	<0.05	9	0.9	<0.2
3852115	Soil	8	59	1.38	120	0.118	4	4.28	0.028	0.07	<0.1	0.06	25.2	<0.1	<0.05	11	1.1	<0.2
3852116	Soil	9	35	0.69	119	0.065	3	2.14	0.041	0.05	0.1	0.01	9.2	<0.1	<0.05	5	<0.5	<0.2
3852117	Soil	4	80	1.44	196	0.129	5	4.84	0.032	0.06	<0.1	0.03	20.6	<0.1	<0.05	11	0.9	0.3
3852118	Soil	4	68	1.52	153	0.072	4	5.00	0.034	0.12	<0.1	0.04	19.4	<0.1	<0.05	10	1.9	<0.2
3852119	Soil	5	62	1.49	172	0.017	2	4.45	0.021	0.07	<0.1	0.03	20.6	<0.1	<0.05	10	2.5	0.3
3852120	Soil	4	83	1.68	105	0.073	3	4.75	0.026	0.08	<0.1	0.05	22.8	<0.1	<0.05	12	<0.5	<0.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this



CERTIFICATE OF ANALYSIS

WHI21000244.1

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	F
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	2	0.01	0.001	
3852121	Soil	2.2	3603.4	10.4	352	1.5	31.3	97.4	1135	8.27	13.1	0.3	1094.6	0.7	23	1.2	0.7	0.2	166	0.69	0.046
3852122	Soil	2.7	188.1	6.7	299	0.3	18.9	27.4	955	4.37	8.4	0.7	9.4	0.7	42	0.7	0.5	0.1	109	2.04	0.043
3852123	Soil	1.5	260.1	7.6	236	0.6	38.0	48.1	1021	6.47	9.0	0.5	19.9	2.0	59	0.6	0.7	0.1	177	1.52	0.011
3852124	Soil	0.8	112.7	9.1	341	0.3	32.7	35.4	943	5.43	13.9	0.3	12.4	1.4	37	1.0	0.5	0.1	164	1.31	0.014
3852125	Soil	0.8	152.2	9.5	377	0.3	44.0	47.8	1162	6.99	10.9	0.4	7.3	1.5	51	1.1	0.6	0.2	200	1.66	0.028
3852126	Soil	0.6	156.4	7.2	230	0.2	34.7	36.0	1451	6.18	7.0	0.3	3.9	0.7	44	0.8	0.5	<0.1	182	1.70	0.018
3852127	Soil	0.6	141.4	9.8	492	0.4	31.2	33.3	1219	5.48	10.7	0.2	4.0	1.1	42	1.3	0.5	0.1	167	1.26	0.020
3852128	Soil	0.7	174.5	23.6	123	0.3	32.3	30.4	846	5.55	11.7	0.4	13.2	1.9	83	0.2	0.6	0.1	171	1.28	0.014
3852129	Soil	0.6	184.5	6.1	178	0.3	23.9	39.3	1133	5.65	7.4	0.3	5.3	1.3	41	0.4	0.5	0.3	159	1.63	0.033
3852130	Soil	0.7	544.2	13.9	464	0.5	30.1	41.8	1618	6.49	3.7	0.2	28.8	0.6	33	2.1	0.4	0.2	183	3.50	0.030
3852131	Soil	0.8	57.3	5.5	69	<0.1	22.7	16.8	593	3.88	10.9	0.4	3.3	2.6	31	<0.1	0.5	<0.1	125	0.81	0.019
3852132	Soil	0.7	92.4	5.0	68	<0.1	24.3	18.6	617	4.11	16.6	0.5	7.0	2.4	26	0.1	0.7	<0.1	130	0.81	0.010
3852133	Soil	0.6	80.6	5.2	137	<0.1	23.1	25.0	857	4.99	4.1	0.2	0.8	1.0	22	0.3	0.3	<0.1	164	0.81	0.029
3852134	Soil	1.3	312.3	15.7	359	0.5	33.1	40.2	1091	6.23	9.2	0.4	25.1	0.8	48	1.5	0.8	0.2	154	1.33	0.043
3852135	Soil	4.0	259.0	10.8	537	0.6	25.2	33.6	1660	5.87	10.3	0.4	3.7	1.2	21	1.1	0.7	0.3	158	0.73	0.021
3852136	Soil	1.0	221.4	8.3	176	0.5	29.5	26.1	1115	4.08	8.4	1.1	7.9	2.7	43	0.4	0.5	0.1	124	1.54	0.073
3852137	Soil	1.0	319.4	8.9	113	0.3	40.4	54.7	887	7.97	16.2	0.5	19.0	1.2	37	0.3	1.2	<0.1	251	2.12	0.021
3852138	Soil	0.9	153.2	6.6	99	0.2	28.9	27.9	850	4.75	9.7	0.5	7.8	2.5	35	0.1	0.7	<0.1	142	0.85	0.010
3852139	Soil	0.6	103.4	5.4	150	0.1	23.7	26.6	1179	4.44	6.6	0.3	2.6	1.4	30	0.3	0.5	<0.1	138	0.86	0.020
3852140	Soil	0.7	195.7	7.9	346	0.4	23.3	22.9	1020	4.36	13.3	0.3	11.2	0.7	33	1.4	0.6	<0.1	139	2.12	0.037
3852141	Soil	1.8	196.3	9.4	326	0.4	35.4	35.6	1549	6.42	8.9	0.3	8.6	0.7	59	1.0	0.5	<0.1	208	2.32	0.031
3852142	Soil	1.2	142.7	7.3	498	0.3	28.3	29.7	1149	4.96	7.6	0.3	12.4	0.8	33	1.1	0.5	<0.1	152	1.10	0.034
3852143	Soil	0.7	92.0	7.6	348	0.4	25.4	31.3	876	4.53	8.4	0.3	2.9	1.2	33	0.8	0.4	<0.1	143	0.78	0.025
3852144	Soil	0.5	93.3	12.2	120	0.3	22.3	18.2	920	3.50	7.9	0.4	7.6	2.5	33	1.0	1.1	0.4	109	1.95	0.045
3852145	Soil	0.5	50.1	5.1	67	0.1	26.1	16.4	574	3.57	6.8	0.3	2.3	3.1	30	<0.1	0.4	0.1	110	0.77	0.012
3852146	Soil	0.5	106.3	5.7	156	0.3	25.5	21.9	809	4.72	8.1	0.4	4.7	2.5	32	0.5	0.5	<0.1	152	1.14	0.013
3852147	Soil	0.4	154.2	4.4	500	0.3	26.8	24.7	908	4.65	6.9	0.3	13.3	2.2	40	1.5	0.5	<0.1	142	1.44	0.016
3852148	Soil	0.4	87.5	4.0	65	0.1	23.5	18.0	597	3.56	4.7	0.3	3.0	2.5	26	0.2	0.3	<0.1	126	0.98	0.012
3852149	Soil	0.6	151.2	4.1	85	0.2	32.4	34.2	865	5.92	3.6	0.2	2.8	1.1	25	0.2	0.4	<0.1	200	1.47	0.015
3852150	Soil	0.3	36.2	2.7	38	0.1	13.9	10.0	176	2.06	2.9	0.2	<0.5	1.3	17	<0.1	0.2	<0.1	65	0.34	0.021



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Project: KT

Report Date: August 27, 2021

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CERTIFICATE OF ANALYSIS

WHI21000244.1

Method	Analyte	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		
3852121	Soil	4	60	1.11	74	0.034	2	3.73	0.016	0.07	<0.1	0.10	13.2	<0.1	<0.05	9	3.6	0.7	
3852122	Soil	4	44	1.07	138	0.039	3	3.29	0.038	0.05	<0.1	0.05	11.7	<0.1	<0.05	7	1.7	<0.2	
3852123	Soil	7	81	1.62	182	0.118	3	5.14	0.037	0.06	<0.1	0.08	22.0	<0.1	<0.05	11	0.9	<0.2	
3852124	Soil	5	66	1.15	142	0.110	3	5.35	0.021	0.06	<0.1	0.03	16.4	<0.1	<0.05	11	<0.5	<0.2	
3852125	Soil	5	95	1.60	171	0.127	5	5.79	0.019	0.07	<0.1	0.03	25.3	<0.1	<0.05	13	0.8	0.2	
3852126	Soil	4	89	1.71	184	0.103	4	5.24	0.031	0.08	<0.1	0.02	23.7	<0.1	<0.05	12	<0.5	0.2	
3852127	Soil	4	90	1.25	168	0.074	5	4.56	0.022	0.08	<0.1	0.04	22.6	<0.1	<0.05	11	0.6	<0.2	
3852128	Soil	6	81	1.49	198	0.098	4	5.45	0.029	0.10	<0.1	0.03	24.9	<0.1	<0.05	12	<0.5	<0.2	
3852129	Soil	5	43	1.22	154	0.082	6	4.92	0.020	0.08	<0.1	0.03	18.4	<0.1	<0.05	11	0.8	0.2	
3852130	Soil	4	66	2.02	83	0.056	5	5.15	0.015	0.09	<0.1	0.11	21.4	<0.1	<0.05	11	2.3	0.5	
3852131	Soil	9	50	0.81	145	0.092	3	3.14	0.019	0.11	<0.1	0.02	13.2	<0.1	<0.05	8	<0.5	<0.2	
3852132	Soil	9	58	0.91	120	0.096	3	2.98	0.025	0.06	<0.1	0.04	17.9	<0.1	<0.05	8	0.5	<0.2	
3852133	Soil	3	56	1.41	144	0.122	3	4.17	0.021	0.05	<0.1	<0.01	17.2	<0.1	<0.05	11	<0.5	0.2	
3852134	Soil	4	56	1.13	139	0.089	4	3.17	0.034	0.06	<0.1	0.04	17.1	<0.1	<0.05	9	1.6	0.4	
3852135	Soil	5	59	1.47	89	0.009	2	3.80	0.020	0.11	<0.1	0.03	22.5	<0.1	<0.05	9	1.3	0.2	
3852136	Soil	11	54	1.17	173	0.083	3	3.34	0.025	0.06	<0.1	0.07	14.5	<0.1	<0.05	9	1.7	<0.2	
3852137	Soil	5	135	1.69	102	0.146	3	5.25	0.018	0.04	<0.1	0.11	34.2	0.2	<0.05	14	4.4	0.4	
3852138	Soil	7	56	1.04	159	0.079	2	4.15	0.025	0.05	<0.1	0.02	15.7	<0.1	<0.05	10	0.6	<0.2	
3852139	Soil	5	44	0.83	115	0.053	2	3.96	0.031	0.05	<0.1	0.02	12.5	<0.1	0.06	10	<0.5	<0.2	
3852140	Soil	3	72	1.72	150	0.026	6	3.65	0.027	0.05	<0.1	0.27	17.3	<0.1	0.07	9	0.8	<0.2	
3852141	Soil	3	103	2.02	217	0.107	6	5.26	0.019	0.14	<0.1	0.05	27.9	<0.1	<0.05	14	1.0	0.4	
3852142	Soil	4	63	1.38	168	0.077	6	4.15	0.022	0.18	<0.1	0.02	20.4	<0.1	0.09	10	0.6	0.2	
3852143	Soil	5	43	0.99	125	0.079	3	4.20	0.028	0.04	<0.1	0.02	11.6	<0.1	0.05	11	<0.5	0.2	
3852144	Soil	8	45	1.20	101	0.074	5	2.48	0.034	0.07	0.1	0.05	13.2	<0.1	<0.05	7	0.5	<0.2	
3852145	Soil	8	52	0.78	149	0.083	3	2.95	0.020	0.06	0.1	0.01	12.3	<0.1	<0.05	7	<0.5	<0.2	
3852146	Soil	7	58	1.14	120	0.065	4	4.21	0.024	0.07	<0.1	0.06	20.3	<0.1	<0.05	9	<0.5	<0.2	
3852147	Soil	6	53	1.41	105	0.078	4	3.75	0.028	0.06	<0.1	0.05	20.4	<0.1	<0.05	9	0.6	<0.2	
3852148	Soil	7	55	1.01	97	0.090	2	3.03	0.025	0.04	<0.1	0.03	15.7	<0.1	<0.05	7	<0.5	<0.2	
3852149	Soil	3	87	1.94	77	0.058	2	5.40	0.015	0.08	<0.1	0.03	28.8	<0.1	<0.05	13	1.2	<0.2	
3852150	Soil	4	27	0.47	53	0.056	2	1.80	0.029	0.03	<0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this



CERTIFICATE OF ANALYSIS

WHI21000244.1

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	%	%	
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	
3852151	Soil	0.3	83.3	3.7	47	0.1	22.6	17.8	824	3.64	5.1	0.3	3.6	1.6	63	0.2	0.3	<0.1	118	4.00	0.026
3852152	Soil	0.9	47.1	5.1	200	0.1	20.5	18.5	952	3.42	15.1	0.3	2.4	2.0	25	0.3	0.5	<0.1	102	0.59	0.026
3852153	Soil	0.9	62.8	4.3	55	0.1	23.1	14.8	481	3.57	8.3	0.5	2.2	3.2	27	0.1	0.6	<0.1	118	0.67	0.013
3852154	Soil	0.6	101.1	2.9	54	0.2	25.4	19.5	539	4.42	3.6	0.4	2.5	2.5	36	<0.1	0.3	<0.1	164	1.03	0.014
3852155	Soil	0.7	196.1	10.8	1408	1.2	27.6	35.1	1857	5.77	27.4	0.3	470.8	1.0	44	4.2	0.8	<0.1	152	1.80	0.038
3852156	Soil	0.6	40.1	4.8	50	<0.1	20.9	12.9	330	2.83	5.1	0.4	2.1	2.7	21	0.1	0.4	<0.1	91	0.56	0.015
3852157	Soil	0.5	29.6	4.4	50	<0.1	16.3	10.4	339	2.68	6.4	0.3	2.7	2.3	20	<0.1	0.3	<0.1	80	0.46	0.024
3852158	Soil	0.4	59.5	2.9	31	0.2	13.5	10.7	247	2.33	6.5	0.4	6.6	1.9	24	<0.1	0.3	<0.1	70	0.42	0.015
3852159	Soil	0.5	51.0	4.3	46	<0.1	15.3	11.7	455	2.81	10.2	0.4	2.7	2.1	33	0.1	0.4	<0.1	97	0.95	0.040
3852160	Soil	0.4	44.3	3.9	37	<0.1	17.2	10.8	399	2.76	7.4	0.5	1.0	2.6	27	<0.1	0.4	<0.1	84	0.60	0.031
3852161	Soil	0.5	29.7	4.1	41	<0.1	15.2	9.6	380	2.48	6.1	0.4	2.9	2.3	22	<0.1	0.3	<0.1	77	0.50	0.019
3852162	Soil	0.8	53.7	4.9	45	<0.1	20.3	13.1	516	3.11	8.7	0.4	1.0	2.6	30	<0.1	0.5	<0.1	95	0.62	0.024
3852163	Soil	0.7	28.8	6.5	44	<0.1	20.6	9.5	309	2.59	8.4	0.6	4.1	4.5	27	<0.1	0.5	0.1	74	0.51	0.044
3852164	Soil	0.6	39.2	4.9	45	<0.1	22.5	12.5	355	2.91	7.7	0.6	1.0	3.4	28	<0.1	0.4	<0.1	79	0.48	0.070
3852165	Soil	0.8	40.1	4.7	39	<0.1	18.4	10.9	474	2.57	8.2	0.4	2.3	2.1	28	0.2	0.4	<0.1	85	0.58	0.028
3852166	Soil	0.7	14.9	6.3	43	<0.1	15.8	8.5	279	2.26	6.3	0.4	1.4	2.8	19	0.1	0.3	0.1	60	0.35	0.033
3852167	Soil	0.6	35.7	4.0	42	<0.1	16.4	11.5	488	2.67	8.8	0.4	3.1	2.4	23	0.1	0.3	<0.1	84	0.51	0.026
3852168	Soil	0.4	37.5	4.2	45	<0.1	18.2	10.4	442	2.51	17.5	0.4	1.0	2.6	28	0.1	0.3	<0.1	73	0.64	0.032
3852169	Soil	0.4	60.1	3.1	35	<0.1	14.1	10.1	344	2.29	7.0	0.4	6.7	1.8	36	<0.1	0.4	<0.1	72	1.08	0.042
3852170	Soil	0.6	39.4	4.2	41	<0.1	17.0	10.3	304	2.67	6.6	0.4	1.3	2.2	22	0.1	0.5	<0.1	79	0.53	0.021
3852171	Soil	0.8	56.2	5.9	53	<0.1	23.0	12.3	437	2.81	8.5	0.6	10.0	3.7	30	<0.1	0.6	0.1	79	0.67	0.043
3852172	Soil	0.6	58.6	4.1	68	0.1	20.2	15.8	445	3.72	5.5	0.4	1.8	2.5	27	<0.1	0.4	<0.1	106	0.65	0.013
3852173	Soil	0.7	43.3	4.3	45	<0.1	17.8	9.7	379	2.47	7.6	0.4	2.7	2.6	27	<0.1	0.4	<0.1	75	0.64	0.036
3852174	Soil	0.6	47.4	4.7	44	<0.1	18.8	13.1	350	3.16	8.5	0.3	0.7	2.9	24	<0.1	0.5	<0.1	93	0.55	0.011
3852175	Soil	0.6	54.7	6.0	56	<0.1	25.0	13.0	487	2.85	7.4	0.5	7.0	4.6	33	<0.1	0.5	0.1	75	0.84	0.055
3852176	Soil	0.3	75.9	2.2	34	<0.1	12.0	9.7	390	2.23	3.9	0.3	2.9	1.6	42	0.1	0.3	<0.1	69	1.62	0.033
3852177	Soil	0.5	58.0	5.4	118	0.3	23.3	13.8	784	2.58	4.7	1.0	3.8	2.9	40	0.5	0.4	0.1	74	1.36	0.053
3852178	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
3852179	Soil	0.6	46.4	5.5	59	0.1	17.6	10.3	422	2.33	6.6	0.4	1.4	2.4	30	0.2	0.3	<0.1	60	1.51	0.047
3852180	Soil	0.6	41.6	5.4	75	0.1	19.7	12.9	475	2.96	7.4	0.4	<0.5	1.9	18	0.3	0.5	<0.1	84	0.45	0.020



CERTIFICATE OF ANALYSIS

WHI21000244.1

Method	Analyte	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		
3852151	Soil	6	61	1.25	120	0.034	13	2.84	0.036	0.07	<0.1	0.04	18.2	<0.1	<0.05	7	0.5	<0.2	
3852152	Soil	6	44	0.82	148	0.062	3	2.47	0.029	0.07	<0.1	0.02	11.2	<0.1	<0.05	6	0.5	<0.2	
3852153	Soil	9	49	0.88	120	0.091	3	2.72	0.018	0.11	<0.1	0.04	14.9	<0.1	<0.05	6	<0.5	<0.2	
3852154	Soil	6	80	1.14	155	0.123	3	4.05	0.025	0.06	<0.1	0.03	27.9	<0.1	<0.05	9	<0.5	<0.2	
3852155	Soil	4	40	1.35	115	0.032	3	4.83	0.019	0.11	<0.1	0.40	19.2	<0.1	<0.05	11	1.0	<0.2	
3852156	Soil	7	44	0.72	96	0.081	1	2.25	0.016	0.06	0.1	0.02	7.7	<0.1	<0.05	6	<0.5	<0.2	
3852157	Soil	6	35	0.58	118	0.081	2	1.85	0.019	0.11	<0.1	0.02	6.2	<0.1	<0.05	5	<0.5	<0.2	
3852158	Soil	6	27	0.48	83	0.068	1	1.89	0.030	0.05	<0.1	0.02	7.7	<0.1	<0.05	5	<0.5	<0.2	
3852159	Soil	7	32	0.70	113	0.082	3	1.92	0.030	0.07	<0.1	0.03	10.1	<0.1	<0.05	5	<0.5	<0.2	
3852160	Soil	7	33	0.64	102	0.090	2	1.85	0.027	0.08	0.1	0.03	7.8	<0.1	<0.05	5	<0.5	<0.2	
3852161	Soil	7	30	0.54	94	0.092	3	1.45	0.020	0.07	0.1	0.02	5.5	<0.1	<0.05	4	<0.5	<0.2	
3852162	Soil	8	41	0.69	127	0.070	2	2.26	0.018	0.13	<0.1	0.03	11.4	<0.1	<0.05	6	<0.5	<0.2	
3852163	Soil	12	36	0.58	157	0.072	2	1.83	0.016	0.06	0.1	0.03	6.0	<0.1	<0.05	5	<0.5	<0.2	
3852164	Soil	10	34	0.64	144	0.076	2	2.27	0.020	0.06	0.1	0.03	6.3	<0.1	<0.05	5	<0.5	<0.2	
3852165	Soil	8	32	0.61	104	0.080	3	1.82	0.021	0.06	<0.1	0.03	6.7	<0.1	<0.05	5	<0.5	<0.2	
3852166	Soil	10	30	0.51	107	0.091	1	1.46	0.014	0.10	0.2	0.01	3.6	<0.1	<0.05	5	<0.5	<0.2	
3852167	Soil	7	31	0.63	116	0.089	3	1.85	0.019	0.09	0.1	0.01	6.2	<0.1	<0.05	5	<0.5	<0.2	
3852168	Soil	8	32	0.63	147	0.084	2	1.82	0.025	0.08	<0.1	0.03	6.9	<0.1	<0.05	5	<0.5	<0.2	
3852169	Soil	7	27	0.59	109	0.066	4	1.52	0.037	0.05	<0.1	0.07	8.4	<0.1	<0.05	4	<0.5	<0.2	
3852170	Soil	8	36	0.56	92	0.066	2	1.84	0.022	0.07	<0.1	0.02	7.8	<0.1	<0.05	5	<0.5	<0.2	
3852171	Soil	13	41	0.66	120	0.089	3	1.78	0.024	0.11	0.1	0.04	9.6	<0.1	0.05	5	<0.5	<0.2	
3852172	Soil	7	44	0.82	102	0.078	3	2.75	0.023	0.06	<0.1	0.03	12.8	<0.1	<0.05	7	<0.5	<0.2	
3852173	Soil	10	35	0.55	113	0.075	3	1.54	0.028	0.08	<0.1	0.04	8.1	<0.1	<0.05	5	<0.5	<0.2	
3852174	Soil	8	41	0.65	96	0.079	2	2.12	0.021	0.10	0.1	0.02	9.9	<0.1	<0.05	6	<0.5	<0.2	
3852175	Soil	13	41	0.81	134	0.089	3	1.80	0.031	0.10	0.2	0.04	9.5	<0.1	<0.05	5	<0.5	<0.2	
3852176	Soil	4	30	0.68	99	0.039	16	1.70	0.051	0.04	<0.1	0.06	9.0	<0.1	<0.05	4	1.2	<0.2	
3852177	Soil	11	42	0.71	250	0.063	2	2.07	0.023	0.05	0.1	0.03	9.7	<0.1	<0.05	6	0.8	<0.2	
3852178	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
3852179	Soil	9	32	0.58	135	0.058	4	1.43	0.027	0.06	0.2	0.08	6.9	<0.1	0.09	5	0.7	<0.2	
3852180	Soil	7	37	0.61	110	0.059	2	2.04	0.020	0.05	0.1	0.03	6.8	<0.1	<0.05	6	<0.5	<0.2	



CERTIFICATE OF ANALYSIS

WHI21000244.1

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	2	0.01	0.001	
3852181	Soil	0.7	16.7	5.2	56	<0.1	14.4	8.5	334	2.15	5.4	0.3	2.2	2.2	24	0.1	0.3	0.1	60	0.59	0.028
3852182	Soil	0.6	31.5	4.0	39	<0.1	16.0	9.7	336	2.39	6.5	0.3	2.1	1.7	21	<0.1	0.4	<0.1	77	0.42	0.030
3852183	Soil	0.5	36.7	4.4	37	<0.1	15.9	7.6	277	2.17	4.9	0.6	3.0	3.1	32	<0.1	0.3	<0.1	65	0.66	0.054
3852184	Soil	0.3	21.5	3.4	23	<0.1	10.2	5.4	185	1.46	2.9	0.3	1.5	1.8	19	<0.1	0.2	<0.1	43	0.37	0.046
3852185	Soil	0.7	35.3	4.8	40	<0.1	19.1	9.5	258	2.50	6.4	0.4	1.8	2.6	24	<0.1	0.4	0.1	78	0.39	0.017
3852186	Soil	0.6	24.5	4.9	38	<0.1	13.9	7.5	456	2.09	5.0	0.4	3.2	2.1	19	<0.1	0.3	0.1	59	0.38	0.020
3852187	Soil	0.6	42.7	3.2	36	<0.1	13.0	9.8	377	2.35	5.3	0.3	1.8	1.6	24	<0.1	0.3	<0.1	80	0.56	0.025
3852188	Soil	0.5	31.6	3.9	36	<0.1	16.0	8.6	234	2.25	4.3	0.3	1.4	2.0	19	<0.1	0.3	<0.1	69	0.33	0.013
3852189	Soil	0.4	23.3	3.6	37	<0.1	11.1	8.0	373	1.83	3.6	0.3	3.0	1.7	21	0.1	0.2	<0.1	55	0.36	0.036
3852190	Soil	0.7	57.4	5.0	57	<0.1	18.8	14.1	586	2.95	11.5	0.5	2.2	2.2	91	0.2	0.5	<0.1	86	3.84	0.057
3852191	Soil	0.7	69.5	5.0	53	<0.1	19.3	14.5	544	3.11	11.9	0.5	5.0	2.6	53	0.1	0.6	<0.1	96	1.71	0.033
3852192	Soil	0.5	57.9	4.4	42	<0.1	21.0	15.1	650	3.42	9.8	0.5	5.0	3.1	33	<0.1	0.5	<0.1	107	0.89	0.032
3852193	Soil	0.5	108.1	3.3	51	0.1	22.2	22.5	1073	3.85	5.7	0.4	6.6	2.0	52	<0.1	0.3	<0.1	123	5.40	0.033
3852194	Soil	0.5	116.7	3.1	64	0.1	21.1	26.6	1472	4.11	3.8	0.4	5.1	0.9	52	0.3	0.3	<0.1	140	2.83	0.062
3852195	Soil	0.4	91.8	3.9	49	0.1	23.1	21.2	748	3.72	5.5	0.5	5.7	2.7	56	<0.1	0.3	<0.1	121	3.55	0.057
3852196	Soil	0.2	141.5	2.5	38	0.3	25.3	44.4	1029	5.96	8.4	0.2	7.0	0.7	66	<0.1	0.2	<0.1	257	2.82	0.018
3852197	Soil	0.4	377.0	4.4	54	0.1	26.4	35.7	701	4.98	8.4	0.3	13.0	1.5	46	<0.1	0.4	<0.1	162	1.80	0.019
3852198	Soil	0.3	128.3	2.6	42	0.1	22.2	33.4	747	4.60	4.2	0.2	3.8	0.9	42	0.1	0.2	<0.1	181	1.64	0.018
3852199	Soil	0.3	228.4	1.7	35	0.2	18.0	30.9	812	4.43	4.5	0.2	7.1	0.7	63	<0.1	0.3	<0.1	161	4.55	0.017
3852201	Soil	0.3	194.0	6.9	511	0.6	21.5	29.4	1293	4.73	41.3	0.2	26.3	0.4	91	2.1	0.3	<0.1	148	3.78	0.022
3852202	Soil	0.7	135.8	8.0	238	0.1	23.6	25.4	593	3.26	10.3	0.5	6.2	3.0	23	0.5	0.6	0.1	82	0.53	0.011
3852203	Soil	0.7	161.1	9.3	367	0.3	24.6	25.9	867	3.77	12.5	0.4	12.9	1.4	33	1.1	0.7	0.1	114	1.58	0.026
3852204	Soil	0.8	121.9	6.5	137	<0.1	26.4	25.4	673	4.03	6.8	0.5	5.5	2.4	30	0.3	0.4	0.1	108	1.01	0.017
3852205	Soil	1.3	84.5	8.2	415	<0.1	27.3	29.9	1112	4.76	7.8	0.3	5.7	1.5	31	1.0	0.3	0.1	138	0.72	0.017
3852206	Soil	0.4	207.9	3.3	47	0.3	32.2	27.6	530	3.95	7.4	0.3	24.8	1.1	254	<0.1	0.2	0.1	131	2.76	0.009
3852207	Soil	2.5	249.1	5.9	78	0.2	33.2	50.8	948	5.72	5.8	0.8	9.4	1.3	123	0.3	0.3	0.2	185	2.89	0.031
3852208	Soil	0.8	320.8	4.6	86	0.7	34.1	33.2	852	5.87	9.6	0.4	20.7	1.4	67	0.3	0.5	0.1	165	2.04	0.009
3852209	Soil	1.8	353.9	7.3	168	0.4	39.0	63.7	831	6.78	13.2	0.4	35.6	1.2	35	0.6	0.4	0.2	190	1.57	0.018
3852210	Soil	1.3	464.5	3.2	42	0.7	33.4	40.9	733	15.01	34.9	0.3	301.7	0.6	59	<0.1	0.7	0.3	226	1.27	0.030
3852211	Soil	3.5	626.0	6.8	87	0.6	36.8	101.2	1068	8.98	20.2	0.4	78.3	0.6	94	0.4	0.4	0.6	201	2.54	0.021



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Report Date: August 27, 2021

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WHI21000244.1

Method	Analyte	Unit	MDL	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	0.05	1	0.5	0.2	
3852181	Soil			6	30	0.54	93	0.067	2	1.63	0.012	0.07	0.2	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
3852182	Soil			6	31	0.54	102	0.063	2	1.79	0.017	0.06	<0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
3852183	Soil			11	30	0.59	152	0.071	2	1.51	0.025	0.05	0.2	0.03	5.9	<0.1	<0.05	5	<0.5	<0.2
3852184	Soil			7	19	0.37	86	0.056	2	1.12	0.028	0.04	0.1	0.02	3.7	<0.1	<0.05	3	<0.5	<0.2
3852185	Soil			7	35	0.57	128	0.075	1	2.06	0.014	0.07	0.1	0.02	5.1	<0.1	<0.05	6	<0.5	<0.2
3852186	Soil			7	28	0.45	109	0.070	1	1.51	0.017	0.07	0.2	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
3852187	Soil			5	28	0.58	120	0.062	2	1.97	0.020	0.05	<0.1	0.02	5.8	<0.1	<0.05	5	<0.5	<0.2
3852188	Soil			6	29	0.56	83	0.065	1	2.02	0.016	0.04	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
3852189	Soil			5	23	0.39	129	0.060	1	1.27	0.019	0.06	0.1	0.01	3.5	<0.1	<0.05	4	<0.5	<0.2
3852190	Soil			8	33	0.83	131	0.077	4	1.62	0.030	0.07	<0.1	0.05	10.1	0.1	<0.05	5	<0.5	<0.2
3852191	Soil			9	36	0.87	120	0.087	5	1.93	0.035	0.07	<0.1	0.05	11.0	0.1	<0.05	6	0.6	<0.2
3852192	Soil			10	53	0.98	111	0.076	4	2.17	0.019	0.06	<0.1	0.04	14.0	<0.1	<0.05	6	<0.5	<0.2
3852193	Soil			6	57	1.61	113	0.036	5	3.15	0.023	0.06	<0.1	0.05	14.4	<0.1	<0.05	8	0.7	<0.2
3852194	Soil			4	70	1.73	177	0.040	11	4.24	0.025	0.09	<0.1	0.05	19.1	<0.1	<0.05	10	1.1	<0.2
3852195	Soil			8	51	1.48	151	0.104	6	3.11	0.031	0.08	<0.1	0.08	14.2	<0.1	<0.05	8	0.5	<0.2
3852196	Soil			2	77	2.62	58	0.117	3	5.83	0.023	0.05	<0.1	0.08	29.6	<0.1	<0.05	14	<0.5	<0.2
3852197	Soil			5	72	1.92	81	0.109	6	3.67	0.030	0.05	<0.1	0.07	20.9	<0.1	<0.05	9	1.5	<0.2
3852198	Soil			3	66	1.60	65	0.113	8	4.64	0.024	0.04	<0.1	0.06	21.1	<0.1	<0.05	12	0.8	<0.2
3852199	Soil			2	57	1.73	69	0.089	10	5.13	0.016	0.06	<0.1	0.07	18.9	<0.1	<0.05	12	0.6	0.2
3852201	Soil			2	75	1.62	143	0.077	6	5.05	0.019	0.11	<0.1	0.16	20.3	<0.1	<0.05	11	0.5	0.2
3852202	Soil			9	42	0.64	99	0.074	1	2.26	0.026	0.06	0.1	0.02	10.3	<0.1	<0.05	6	1.6	<0.2
3852203	Soil			5	45	0.87	135	0.058	3	3.26	0.029	0.06	<0.1	0.06	12.1	<0.1	<0.05	8	1.0	<0.2
3852204	Soil			8	51	0.88	142	0.082	1	3.11	0.023	0.05	<0.1	0.02	12.1	<0.1	<0.05	8	<0.5	<0.2
3852205	Soil			7	63	0.91	137	0.076	2	4.75	0.021	0.04	<0.1	0.02	12.6	<0.1	<0.05	11	<0.5	<0.2
3852206	Soil			3	58	1.28	295	0.098	3	8.20	0.026	0.11	<0.1	0.04	19.8	<0.1	<0.05	16	<0.5	<0.2
3852207	Soil			4	86	1.93	157	0.123	5	4.66	0.012	0.11	<0.1	0.13	20.9	<0.1	<0.05	12	2.7	0.3
3852208	Soil			4	76	1.78	118	0.125	4	4.08	0.034	0.03	<0.1	0.22	22.5	<0.1	<0.05	11	1.2	0.2
3852209	Soil			4	81	1.42	97	0.136	4	5.58	0.019	0.05	<0.1	0.10	20.9	<0.1	<0.05	13	0.8	0.3
3852210	Soil			2	126	1.84	66	0.133	1	4.88	0.011	0.03	0.1	0.25	26.0	0.1	<0.05	16	4.8	0.9
3852211	Soil			3	67	1.76	103	0.127	2	5.08	0.033	0.03	<0.1	0.41	23.1	<0.1	0.08	12	5.2	1.4

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this



CERTIFICATE OF ANALYSIS

WHI21000244.1

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	F
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	2	0.01	0.001	
3852212	Soil	4.3	957.1	62.5	264	10.0	16.9	94.1	372	29.43	225.6	0.2	2397.6	0.2	7	0.7	15.6	6.0	147	0.83	0.024
3852213	Soil	0.7	285.9	4.7	246	0.3	48.7	47.4	1177	5.89	15.3	0.3	13.8	0.9	105	0.6	0.4	<0.1	175	1.20	0.016
3852214	Soil	0.6	48.5	4.4	59	0.1	16.0	14.1	690	3.58	7.9	0.9	2.5	1.9	88	0.2	0.3	<0.1	117	1.57	0.069
3852215	Soil	1.1	37.7	7.5	55	<0.1	27.1	12.3	413	3.25	12.2	0.6	4.9	3.5	28	<0.1	1.0	0.1	70	0.54	0.053
3852216	Soil	0.6	39.8	4.4	44	<0.1	19.2	10.4	400	2.31	5.3	0.8	3.2	2.2	64	0.1	0.4	<0.1	65	1.30	0.067
3852217	Soil	0.3	58.4	5.8	42	0.1	18.5	9.3	411	2.26	6.3	1.1	5.0	2.7	51	<0.1	0.3	0.1	67	1.15	0.066
3852218	Soil	0.5	61.3	3.9	46	<0.1	24.2	15.6	648	4.09	27.4	0.6	3.5	2.8	56	<0.1	0.4	<0.1	117	1.19	0.046
3852219	Soil	0.7	50.4	4.9	46	<0.1	21.5	14.0	498	3.21	9.3	0.5	3.6	3.0	54	<0.1	0.6	<0.1	101	1.46	0.038
3852220	Soil	0.5	84.0	4.2	38	0.1	20.7	20.6	592	3.85	11.4	0.3	10.1	2.3	40	0.1	0.4	<0.1	137	1.64	0.020
3852221	Soil	<0.1	50.8	1.3	23	<0.1	12.8	14.1	435	3.10	2.6	0.1	15.4	0.7	47	<0.1	0.1	<0.1	105	2.28	0.018
3852222	Soil	1.0	107.2	5.5	142	0.1	27.9	27.3	799	4.43	16.1	0.5	12.5	2.4	27	0.4	0.6	<0.1	138	1.83	0.019
3852223	Soil	1.7	530.5	14.9	175	0.6	32.4	63.7	927	6.70	10.3	0.5	10.5	1.4	59	1.1	1.2	0.1	163	2.16	0.023
3852224	Soil	0.4	240.0	3.7	91	0.4	64.9	68.9	1348	6.19	12.1	0.5	20.4	1.2	82	0.5	1.4	0.1	201	3.77	0.035
3852225	Soil	0.4	152.7	6.7	94	0.4	18.9	25.8	881	3.46	20.8	0.4	30.9	1.0	83	0.5	0.6	0.1	97	7.18	0.022
3852226	Soil	0.3	161.7	2.9	47	<0.1	24.3	28.2	825	4.58	9.3	0.2	12.4	0.7	59	0.2	0.3	<0.1	172	2.12	0.021
3852227	Soil	0.4	183.9	6.8	50	0.4	41.0	29.4	783	4.63	50.2	0.5	141.2	2.2	42	0.1	0.5	<0.1	167	1.66	0.021
3852228	Soil	0.4	267.5	4.8	50	0.1	27.5	37.7	1413	6.67	10.1	0.3	23.4	0.9	85	0.1	0.4	<0.1	281	2.01	0.027
3852229	Soil	0.4	78.6	2.8	32	0.1	16.7	21.8	657	3.44	5.8	0.2	6.0	1.0	45	0.1	0.2	<0.1	137	1.86	0.024
3852251	Soil	0.7	59.7	5.1	65	0.2	24.0	14.4	377	3.11	9.6	0.4	2.7	2.7	25	<0.1	0.5	<0.1	89	0.43	0.019
3852252	Soil	0.4	45.9	4.2	47	<0.1	21.3	14.4	560	3.31	8.0	0.4	4.0	2.4	30	<0.1	0.4	<0.1	112	0.90	0.016
3852253	Soil	0.6	57.5	5.3	60	<0.1	24.0	18.1	613	3.84	9.7	0.4	3.4	2.9	36	<0.1	0.6	<0.1	127	0.70	0.012
3852254	Soil	0.6	84.7	6.4	129	0.1	22.2	26.4	1047	4.28	8.2	0.3	8.8	1.5	54	0.2	0.6	<0.1	144	1.74	0.009
3852255	Soil	0.4	119.6	5.2	213	0.3	21.9	28.2	1494	5.36	6.6	0.2	11.3	0.8	41	0.3	0.5	<0.1	176	1.51	0.028
3852256	Soil	0.2	123.8	3.5	159	0.2	13.7	17.8	798	3.28	3.4	0.2	8.2	0.4	37	0.8	0.3	<0.1	119	2.95	0.042
3852257	Soil	0.4	84.1	4.3	135	0.2	26.8	22.4	606	3.98	6.5	0.3	2.3	1.8	35	0.3	0.4	<0.1	132	0.94	0.017
3852258	Soil	0.5	99.3	4.1	290	0.3	29.8	29.1	873	4.74	6.1	0.3	4.2	1.3	28	0.7	0.3	<0.1	167	1.26	0.028
3852259	Soil	0.5	54.9	5.6	51	0.1	23.9	13.0	446	2.71	8.3	0.5	6.7	4.3	28	<0.1	0.6	0.1	77	0.88	0.029
3852260	Soil	0.6	45.1	4.2	42	<0.1	20.4	14.9	307	3.65	6.7	0.4	3.5	3.1	23	<0.1	0.4	<0.1	127	0.66	0.009
3852261	Soil	0.4	133.6	3.5	81	0.2	26.3	29.3	1086	5.61	6.8	0.3	4.4	1.4	46	0.2	0.4	<0.1	186	1.52	0.029
3852262	Soil	0.8	83.5	5.0	95	<0.1	30.0	23.8	756	4.86	15.4	0.4	18.7	2.6	22	0.1	0.4	<0.1	152	0.88	0.011



CERTIFICATE OF ANALYSIS

WHI21000244.1

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	0.01	0.01	0.1	0.05	1	0.5	0.2	
3852212	Soil	1	44	0.54	5	0.090	3	1.50	0.001	<0.01	<0.1	9.69	11.0	0.3	<0.05	16	15.8	6.4
3852213	Soil	3	85	1.68	206	0.072	1	5.51	0.026	0.06	<0.1	0.03	17.8	<0.1	<0.05	12	1.6	<0.2
3852214	Soil	10	30	0.77	140	0.106	4	3.54	0.041	0.12	<0.1	0.02	12.6	<0.1	<0.05	9	<0.5	<0.2
3852215	Soil	12	40	0.75	155	0.076	2	1.75	0.017	0.07	0.2	0.03	8.5	0.1	<0.05	5	<0.5	<0.2
3852216	Soil	10	29	0.63	152	0.080	2	1.58	0.042	0.05	0.1	0.06	8.4	<0.1	0.08	5	<0.5	<0.2
3852217	Soil	15	31	0.57	162	0.061	1	1.65	0.030	0.05	0.2	0.09	8.0	<0.1	<0.05	5	<0.5	<0.2
3852218	Soil	11	38	0.87	150	0.064	5	2.04	0.065	0.05	<0.1	0.07	19.3	<0.1	<0.05	5	<0.5	<0.2
3852219	Soil	9	37	0.77	171	0.079	4	2.14	0.039	0.05	0.1	0.05	12.0	<0.1	<0.05	5	<0.5	<0.2
3852220	Soil	6	52	1.20	131	0.084	11	3.14	0.027	0.08	<0.1	0.04	16.8	<0.1	<0.05	8	<0.5	<0.2
3852221	Soil	2	40	1.47	34	0.051	3	4.35	0.030	0.03	<0.1	0.03	15.4	<0.1	<0.05	9	<0.5	<0.2
3852222	Soil	7	53	1.23	112	0.062	3	3.48	0.018	0.08	<0.1	0.01	18.4	<0.1	<0.05	9	1.3	<0.2
3852223	Soil	5	41	1.27	224	0.056	4	4.95	0.019	0.09	<0.1	0.05	24.9	<0.1	<0.05	10	7.8	0.4
3852224	Soil	4	226	2.60	153	0.134	3	4.02	0.025	0.04	<0.1	0.04	31.7	0.2	<0.05	11	1.3	<0.2
3852225	Soil	3	45	1.43	78	0.009	11	2.16	0.019	0.07	<0.1	0.03	15.1	<0.1	0.07	5	1.2	<0.2
3852226	Soil	2	78	1.70	199	0.103	6	4.73	0.036	0.07	<0.1	0.04	18.7	<0.1	<0.05	10	<0.5	<0.2
3852227	Soil	7	98	1.73	101	0.095	6	4.33	0.023	0.08	<0.1	0.05	23.9	<0.1	<0.05	10	0.5	<0.2
3852228	Soil	3	52	2.22	587	0.051	9	6.12	0.028	0.08	<0.1	0.07	36.0	<0.1	<0.05	13	<0.5	<0.2
3852229	Soil	3	41	1.19	89	0.078	11	4.15	0.049	0.04	<0.1	0.04	13.5	<0.1	<0.05	9	<0.5	<0.2
3852251	Soil	8	39	0.73	149	0.078	2	2.66	0.016	0.07	0.2	0.02	7.1	<0.1	<0.05	6	<0.5	<0.2
3852252	Soil	6	48	0.94	125	0.085	2	3.16	0.030	0.06	<0.1	0.02	11.9	<0.1	<0.05	7	<0.5	<0.2
3852253	Soil	7	48	0.92	174	0.075	1	3.45	0.021	0.05	<0.1	0.01	14.0	<0.1	<0.05	8	<0.5	<0.2
3852254	Soil	5	48	1.22	130	0.072	2	4.46	0.031	0.07	<0.1	0.05	18.8	<0.1	<0.05	9	0.7	<0.2
3852255	Soil	3	46	1.54	90	0.070	3	5.39	0.022	0.09	<0.1	0.06	21.6	<0.1	0.08	11	<0.5	<0.2
3852256	Soil	3	32	1.02	54	0.081	4	2.77	0.022	0.06	<0.1	0.05	13.1	<0.1	0.08	6	0.7	<0.2
3852257	Soil	5	52	1.06	142	0.101	2	3.91	0.025	0.06	<0.1	0.02	16.4	<0.1	<0.05	9	<0.5	<0.2
3852258	Soil	5	60	1.11	106	0.103	3	3.82	0.040	0.06	<0.1	0.03	17.1	<0.1	<0.05	10	<0.5	<0.2
3852259	Soil	14	40	0.77	121	0.092	1	2.04	0.029	0.10	0.2	0.03	9.3	<0.1	0.05	5	<0.5	<0.2
3852260	Soil	8	50	0.82	99	0.095	1	3.51	0.020	0.05	0.1	0.02	13.5	<0.1	<0.05	8	<0.5	<0.2
3852261	Soil	4	71	1.53	197	0.100	2	5.48	0.025	0.10	<0.1	0.03	27.9	<0.1	<0.05	12	0.9	<0.2
3852262	Soil	8	70	1.20	108	0.037	2	3.87	0.021	0.07	<0.1	0.02	22.6	<0.1	<0.05	10	0.7	<0.2



CERTIFICATE OF ANALYSIS

WHI21000244.1

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	
3852301	Soil	0.6	73.2	2.9	62	<0.1	27.2	20.6	1000	4.55	18.1	0.4	4.2	1.5	16	<0.1	1.0	<0.1	133	0.43	0.013
3852302	Soil	0.4	36.9	3.5	52	<0.1	14.0	10.8	479	2.60	5.9	0.3	1.5	1.6	21	0.1	0.3	<0.1	83	0.53	0.024
3852303	Soil	0.5	81.4	3.6	121	0.1	25.4	18.8	1449	4.40	5.5	0.3	0.7	1.5	14	0.4	0.4	<0.1	131	0.43	0.012
3852304	Soil	0.3	17.7	4.4	31	<0.1	13.6	7.3	226	1.99	5.5	0.4	<0.5	1.8	18	<0.1	0.3	<0.1	59	0.32	0.028
3852305	Soil	0.8	90.8	3.3	37	<0.1	22.6	23.8	790	4.76	6.3	0.4	5.2	1.9	33	0.1	0.3	0.1	148	0.78	0.021
3852306	Soil	0.5	25.3	5.9	36	<0.1	20.5	9.0	247	2.21	6.0	0.5	5.7	3.0	22	<0.1	0.3	<0.1	57	0.33	0.026
3852307	Soil	0.4	76.4	3.8	34	<0.1	14.3	11.4	320	2.40	3.7	0.3	2.6	1.9	26	<0.1	0.2	<0.1	81	0.57	0.030
3852308	Soil	0.7	35.3	5.8	43	<0.1	21.2	10.8	290	2.56	6.5	0.4	4.7	3.3	20	<0.1	0.4	0.1	69	0.29	0.028
3852309	Soil	0.9	102.6	4.3	47	<0.1	27.4	22.2	896	4.14	6.7	0.4	2.6	2.3	40	<0.1	0.4	<0.1	131	0.87	0.019
3852310	Soil	0.3	63.4	2.9	32	<0.1	14.9	12.3	381	2.64	12.3	0.3	1.9	1.6	41	<0.1	0.3	<0.1	98	0.79	0.020
3852311	Soil	0.2	33.3	2.1	25	<0.1	6.4	5.4	302	1.67	2.1	0.2	1.8	0.9	22	<0.1	0.1	<0.1	54	0.55	0.020
3852312	Soil	0.4	15.2	3.7	32	<0.1	12.3	6.7	246	1.78	4.0	0.3	3.6	2.0	19	<0.1	0.3	<0.1	49	0.31	0.038
3852313	Soil	0.5	27.4	4.5	36	<0.1	15.9	8.8	323	2.18	5.6	0.3	2.3	2.7	24	<0.1	0.4	0.1	64	0.45	0.018
3852314	Soil	0.5	51.2	3.4	44	0.1	15.5	10.4	698	2.29	5.7	1.8	4.0	1.8	79	0.3	0.5	<0.1	66	2.23	0.065
3852315	Soil	0.4	46.6	3.4	51	<0.1	13.8	12.5	803	2.62	4.4	0.6	1.8	2.0	47	0.1	0.3	<0.1	86	1.39	0.054
3852316	Soil	0.4	33.5	2.8	38	<0.1	10.9	9.0	431	2.05	5.9	0.3	2.1	1.4	29	<0.1	0.4	<0.1	62	0.62	0.038
3852317	Soil	0.5	20.2	5.9	33	<0.1	14.4	7.5	249	1.91	5.6	0.6	1.4	2.3	32	<0.1	0.3	0.1	55	0.67	0.036
3852318	Soil	0.6	73.0	4.1	50	<0.1	18.5	16.4	477	3.07	7.5	0.7	3.8	2.1	58	0.1	0.5	<0.1	100	1.65	0.049
3852319	Soil	0.6	27.1	4.7	45	<0.1	15.3	8.9	251	2.37	6.6	0.4	3.6	2.7	23	<0.1	0.4	<0.1	67	0.40	0.025
3852320	Soil	0.4	25.3	5.2	44	<0.1	16.6	9.2	314	2.36	6.3	0.5	6.4	3.4	24	<0.1	0.4	0.1	62	0.48	0.023
3852321	Soil	0.5	40.5	4.2	40	<0.1	18.0	10.5	409	2.59	7.5	0.5	3.4	3.4	30	<0.1	0.4	<0.1	70	0.59	0.039
3852322	Soil	0.6	75.9	2.5	53	0.1	19.5	15.3	869	3.82	4.2	0.3	1.6	1.1	46	<0.1	0.2	<0.1	135	1.74	0.050
3852323	Soil	0.6	30.8	5.6	44	<0.1	18.9	10.9	353	2.63	7.6	0.4	1.2	3.4	25	<0.1	0.4	<0.1	75	0.43	0.021
3852324	Soil	0.6	42.6	6.7	51	<0.1	23.0	12.1	469	2.99	9.5	0.6	7.0	3.6	32	<0.1	0.4	0.1	90	0.63	0.050
3852325	Soil	0.6	34.7	4.3	44	<0.1	19.5	11.0	402	2.48	6.0	0.4	1.5	2.4	26	<0.1	0.3	<0.1	77	0.41	0.028
3852326	Soil	0.7	57.6	4.6	49	<0.1	27.6	14.8	403	3.23	10.7	0.5	2.5	2.8	30	<0.1	0.5	<0.1	102	0.48	0.031
3852327	Soil	0.4	35.7	8.3	46	<0.1	18.8	11.2	441	2.73	7.7	1.0	4.6	3.9	32	<0.1	0.6	<0.1	80	0.55	0.047
3852328	Soil	0.7	52.4	4.3	59	0.1	15.9	13.9	522	2.60	5.0	0.4	1.4	2.3	26	<0.1	0.3	<0.1	86	0.48	0.029
3852329	Soil	0.8	98.8	4.2	46	0.1	23.0	17.1	458	3.72	8.4	0.4	1.7	2.3	28	<0.1	0.4	<0.1	119	0.54	0.024
3852330	Soil	0.4	54.5	2.4	40	<0.1	22.9	13.0	633	3.67	3.7	0.3	1.8	1.8	38	<0.1	0.2	<0.1	125	1.23	0.025



CERTIFICATE OF ANALYSIS

WHI21000244.1

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	
3852301	Soil	5	46	0.40	67	0.034	2	1.43	0.016	0.04	<0.1	0.10	28.0	<0.1	<0.05	4	<0.5	<0.2
3852302	Soil	7	30	0.58	86	0.071	1	1.72	0.023	0.05	<0.1	0.01	7.5	<0.1	<0.05	5	<0.5	<0.2
3852303	Soil	5	52	1.21	74	0.017	1	3.29	0.017	0.05	<0.1	0.03	14.7	<0.1	0.05	8	<0.5	<0.2
3852304	Soil	7	27	0.47	97	0.059	<1	1.41	0.016	0.03	<0.1	0.03	3.3	0.1	<0.05	4	<0.5	<0.2
3852305	Soil	5	49	1.23	118	0.069	2	3.31	0.020	0.04	<0.1	0.05	14.5	<0.1	<0.05	8	1.1	0.3
3852306	Soil	9	32	0.53	151	0.066	<1	1.87	0.015	0.05	0.2	<0.01	3.8	0.1	<0.05	5	<0.5	<0.2
3852307	Soil	6	27	0.56	109	0.073	1	1.87	0.024	0.03	<0.1	0.02	5.7	<0.1	0.05	5	<0.5	<0.2
3852308	Soil	9	36	0.65	143	0.071	<1	2.35	0.016	0.06	0.2	0.01	4.8	0.1	<0.05	6	<0.5	<0.2
3852309	Soil	5	57	1.13	123	0.071	2	3.59	0.017	0.13	<0.1	0.03	13.8	<0.1	0.06	9	<0.5	<0.2
3852310	Soil	5	28	0.72	130	0.063	2	3.00	0.028	0.06	<0.1	0.03	7.3	<0.1	0.05	7	<0.5	<0.2
3852311	Soil	3	14	0.33	89	0.049	<1	1.62	0.029	0.05	<0.1	0.03	4.4	<0.1	0.06	4	<0.5	<0.2
3852312	Soil	6	23	0.40	78	0.072	1	1.19	0.026	0.09	0.1	<0.01	3.1	<0.1	0.06	4	<0.5	<0.2
3852313	Soil	8	31	0.45	120	0.082	2	1.63	0.023	0.08	<0.1	0.01	5.9	<0.1	<0.05	5	<0.5	<0.2
3852314	Soil	8	26	0.68	200	0.055	9	1.48	0.022	0.04	<0.1	0.04	7.4	<0.1	0.12	4	1.6	<0.2
3852315	Soil	7	30	0.82	135	0.070	6	1.75	0.026	0.05	<0.1	0.06	9.3	<0.1	<0.05	5	<0.5	<0.2
3852316	Soil	6	21	0.46	104	0.062	3	1.31	0.044	0.07	<0.1	0.01	6.0	<0.1	<0.05	4	<0.5	<0.2
3852317	Soil	8	27	0.45	151	0.072	3	1.49	0.021	0.05	0.1	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2
3852318	Soil	8	37	0.97	168	0.084	8	2.16	0.049	0.07	<0.1	0.08	11.9	<0.1	<0.05	6	1.0	<0.2
3852319	Soil	7	30	0.48	116	0.074	<1	1.65	0.028	0.06	0.1	0.01	4.9	<0.1	<0.05	5	<0.5	<0.2
3852320	Soil	12	31	0.49	130	0.091	2	1.58	0.026	0.07	0.1	0.02	5.9	<0.1	<0.05	5	<0.5	<0.2
3852321	Soil	12	31	0.57	122	0.082	3	1.65	0.034	0.10	0.1	0.03	7.3	<0.1	<0.05	5	<0.5	<0.2
3852322	Soil	4	46	1.10	103	0.069	3	4.30	0.020	0.16	<0.1	0.03	15.7	<0.1	<0.05	10	<0.5	<0.2
3852323	Soil	9	35	0.64	121	0.094	2	1.85	0.024	0.09	0.1	<0.01	6.3	<0.1	<0.05	5	<0.5	<0.2
3852324	Soil	11	41	0.75	179	0.090	2	2.13	0.026	0.08	0.1	0.02	8.0	0.1	<0.05	6	<0.5	<0.2
3852325	Soil	8	32	0.63	193	0.080	2	2.34	0.021	0.06	<0.1	0.02	5.8	<0.1	<0.05	6	<0.5	<0.2
3852326	Soil	7	52	0.87	201	0.091	4	2.82	0.019	0.09	<0.1	0.03	8.7	<0.1	<0.05	7	<0.5	<0.2
3852327	Soil	13	36	0.62	175	0.083	2	1.79	0.025	0.06	0.1	0.03	8.3	<0.1	<0.05	5	<0.5	<0.2
3852328	Soil	7	32	0.66	206	0.062	2	2.52	0.022	0.06	0.2	0.03	7.1	<0.1	<0.05	7	<0.5	<0.2
3852329	Soil	7	41	0.91	221	0.092	3	3.74	0.020	0.05	<0.1	0.05	10.6	0.1	<0.05	8	<0.5	<0.2
3852330	Soil	5	40	0.94	120	0.073	2	4.23	0.028	0.08	<0.1	0.03	9.9	<0.1	<0.05	10	<0.5	<0.2



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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	2	0.01	0.001	
3852331	Soil	0.7	56.6	4.5	57	<0.1	19.9	22.1	418	2.94	4.2	0.4	2.2	2.3	24	<0.1	0.2	<0.1	91	0.48	0.032
3852332	Soil	0.6	32.3	4.4	39	<0.1	17.2	9.0	289	2.39	6.1	0.4	0.8	2.9	24	<0.1	0.4	<0.1	73	0.45	0.027
3852333	Soil	0.8	55.4	4.2	57	<0.1	19.5	13.5	456	3.08	5.2	0.4	1.0	2.2	31	0.2	0.4	<0.1	99	0.66	0.034
3852334	Soil	0.9	42.9	4.1	42	<0.1	16.0	11.4	339	2.78	6.3	0.3	1.3	2.2	26	<0.1	0.4	<0.1	84	0.49	0.023
3852335	Soil	0.4	20.1	4.5	31	<0.1	14.0	7.3	241	1.96	5.6	0.5	1.5	2.6	23	<0.1	0.3	<0.1	58	0.46	0.038
3852336	Soil	0.6	38.1	5.9	46	<0.1	19.7	10.8	419	2.80	8.9	0.8	2.0	3.7	31	<0.1	0.4	<0.1	83	0.60	0.046
3852337	Soil	0.6	27.6	6.2	45	<0.1	19.0	10.2	379	2.65	10.1	0.5	8.2	3.6	28	<0.1	0.4	0.1	75	0.51	0.026
3852338	Soil	0.5	31.2	4.2	34	<0.1	16.2	9.7	325	2.60	7.0	0.4	1.0	2.1	24	<0.1	0.3	<0.1	81	0.49	0.025
3852339	Soil	0.7	49.1	5.0	37	<0.1	20.6	13.0	343	3.22	11.6	0.4	4.9	3.7	32	<0.1	0.5	<0.1	94	0.63	0.015
3852340	Soil	0.3	118.3	6.2	66	0.3	25.4	22.0	835	3.65	23.2	0.4	96.3	2.1	48	0.2	0.3	<0.1	122	1.79	0.043
3852341	Soil	0.4	92.2	5.1	59	<0.1	27.6	20.6	815	4.23	7.7	0.5	15.6	3.8	37	0.1	0.5	<0.1	131	1.86	0.035
3852342	Soil	0.4	93.7	5.1	80	<0.1	30.2	22.8	1102	4.20	7.1	0.5	3.9	3.1	35	0.2	0.4	0.1	135	1.43	0.051
3852343	Soil	0.8	144.7	4.4	45	0.1	31.0	29.7	1993	5.81	8.4	0.4	2.6	2.1	29	<0.1	0.4	<0.1	176	1.01	0.020
3852344	Soil	0.6	79.8	4.1	48	<0.1	19.9	17.8	646	3.77	7.6	0.4	4.3	2.1	30	<0.1	0.4	<0.1	127	0.83	0.026
3852345	Soil	0.5	50.0	5.5	55	<0.1	22.2	15.6	653	3.24	9.6	0.4	2.0	2.9	34	0.1	0.5	<0.1	102	0.80	0.028
3852346	Soil	0.4	67.3	3.8	53	<0.1	16.7	11.9	513	2.52	6.8	0.5	4.1	1.9	62	0.1	0.4	<0.1	82	2.26	0.044
3852347	Soil	0.7	65.3	5.7	56	<0.1	21.5	14.2	474	3.24	10.4	0.5	3.4	2.8	62	0.2	0.5	<0.1	101	1.99	0.056
3852348	Soil	0.3	42.2	3.3	52	<0.1	14.6	12.2	635	2.68	5.3	0.3	1.8	1.7	40	0.1	0.3	<0.1	91	1.15	0.051
3852349	Soil	0.6	34.2	6.5	44	<0.1	23.2	9.9	354	2.60	9.3	0.6	3.1	3.0	26	<0.1	0.5	0.1	69	0.64	0.043
3852350	Soil	0.4	22.9	4.8	37	<0.1	14.4	7.4	227	1.86	4.8	0.5	1.5	2.4	25	<0.1	0.3	0.1	56	0.52	0.034
3852363	Soil	7.8	1075.9	12.0	265	1.1	50.4	113.0	1249	10.57	6.8	1.2	92.2	0.8	117	1.4	0.6	0.2	172	1.94	0.054
3852364	Soil	6.8	891.9	26.3	706	1.7	33.8	81.2	2245	6.62	12.5	1.3	148.5	0.7	95	3.6	1.2	0.2	149	5.77	0.040
3852365	Soil	3.2	487.3	18.7	1244	1.1	37.9	49.3	1402	7.30	12.9	0.3	67.1	0.9	60	3.9	0.7	0.1	171	2.46	0.029
3852366	Soil	3.0	399.8	15.1	1086	0.5	32.9	53.7	1886	7.78	12.2	0.6	11.6	1.5	50	3.9	0.6	0.2	186	1.05	0.041
3852367	Soil	1.0	228.0	12.3	325	0.2	33.8	51.4	855	6.70	12.8	0.3	4.8	0.7	52	1.0	0.5	<0.1	195	1.70	0.043
3852368	Soil	0.8	252.6	7.6	276	0.6	28.6	34.5	1087	5.94	14.2	0.4	30.4	0.6	56	0.9	0.5	<0.1	209	1.89	0.041
3852399	Soil	0.7	215.7	1.8	43	0.1	25.3	47.5	1159	5.46	2.4	0.2	13.8	0.4	82	0.1	0.2	<0.1	217	7.87	0.031
3852400	Soil	0.2	188.1	1.0	19	<0.1	7.9	25.1	561	2.82	2.1	0.2	8.9	0.2	91	<0.1	<0.1	<0.1	121	5.13	0.029
3852401	Soil	0.6	79.5	4.6	59	<0.1	23.0	16.9	665	3.94	14.6	0.5	5.5	2.2	37	<0.1	0.6	<0.1	116	0.83	0.033
3852402	Soil	0.5	26.6	5.0	38	<0.1	15.3	8.0	329	2.53	5.0	0.5	2.3	2.7	20	<0.1	0.3	0.1	64	0.41	0.022

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this



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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	
3852331	Soil	7	29	0.71	121	0.072	2	3.07	0.022	0.08	<0.1	0.02	5.9	<0.1	<0.05	8	<0.5	<0.2
3852332	Soil	8	34	0.57	102	0.080	2	1.90	0.020	0.08	0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
3852333	Soil	7	39	0.90	142	0.079	2	2.74	0.023	0.11	<0.1	0.03	9.1	<0.1	<0.05	7	<0.5	<0.2
3852334	Soil	7	33	0.50	123	0.078	3	1.78	0.027	0.14	<0.1	0.02	8.6	<0.1	<0.05	5	<0.5	<0.2
3852335	Soil	9	27	0.43	108	0.076	2	1.34	0.039	0.05	0.1	0.01	4.7	<0.1	<0.05	4	<0.5	<0.2
3852336	Soil	14	40	0.71	170	0.091	3	2.03	0.040	0.06	0.1	0.02	9.5	<0.1	<0.05	5	<0.5	<0.2
3852337	Soil	11	38	0.59	165	0.096	2	1.85	0.020	0.07	0.1	0.02	6.7	<0.1	<0.05	5	<0.5	<0.2
3852338	Soil	7	35	0.54	135	0.088	4	1.68	0.022	0.08	<0.1	0.02	6.5	<0.1	<0.05	5	<0.5	<0.2
3852339	Soil	10	44	0.70	126	0.104	3	2.50	0.021	0.11	<0.1	0.03	11.8	0.1	<0.05	6	0.5	<0.2
3852340	Soil	6	72	1.39	134	0.097	12	3.74	0.029	0.09	<0.1	0.06	15.8	<0.1	<0.05	9	0.9	<0.2
3852341	Soil	12	70	1.48	145	0.109	6	3.19	0.032	0.09	<0.1	0.04	17.2	<0.1	<0.05	8	<0.5	<0.2
3852342	Soil	10	69	1.48	192	0.080	5	3.40	0.027	0.06	<0.1	0.03	18.2	<0.1	<0.05	8	0.6	<0.2
3852343	Soil	9	120	1.56	98	0.035	6	4.08	0.017	0.11	<0.1	0.04	29.4	<0.1	<0.05	9	0.8	<0.2
3852344	Soil	8	50	1.00	149	0.104	5	2.95	0.027	0.06	<0.1	0.05	14.4	<0.1	<0.05	7	<0.5	<0.2
3852345	Soil	12	44	0.77	146	0.099	5	2.40	0.026	0.08	0.1	0.03	10.9	<0.1	<0.05	6	<0.5	<0.2
3852346	Soil	8	33	0.82	131	0.080	11	1.80	0.058	0.06	0.1	0.06	9.8	<0.1	0.05	5	0.9	<0.2
3852347	Soil	10	43	1.01	135	0.097	9	2.10	0.046	0.09	<0.1	0.07	12.7	<0.1	<0.05	6	0.6	<0.2
3852348	Soil	6	32	0.86	112	0.079	6	1.81	0.029	0.04	<0.1	0.05	8.8	<0.1	0.05	5	<0.5	<0.2
3852349	Soil	11	50	0.60	179	0.067	2	1.54	0.017	0.05	0.1	0.03	8.3	<0.1	<0.05	5	<0.5	<0.2
3852350	Soil	8	26	0.45	142	0.066	1	1.47	0.033	0.04	0.1	0.02	5.7	<0.1	<0.05	4	<0.5	<0.2
3852363	Soil	4	56	1.44	250	0.066	5	4.71	0.016	0.14	<0.1	0.11	24.2	0.2	0.07	10	4.4	0.5
3852364	Soil	5	91	1.84	244	0.012	5	4.49	0.017	0.09	<0.1	0.26	22.8	0.1	<0.05	9	3.5	<0.2
3852365	Soil	4	75	1.81	166	0.052	4	4.79	0.020	0.11	<0.1	0.04	22.2	<0.1	<0.05	12	2.0	0.2
3852366	Soil	6	67	1.64	218	0.039	3	4.47	0.021	0.15	<0.1	0.03	25.0	<0.1	<0.05	12	1.2	0.3
3852367	Soil	3	59	1.57	146	0.102	3	5.00	0.021	0.05	<0.1	0.04	20.6	<0.1	<0.05	14	1.5	0.2
3852368	Soil	3	73	1.93	162	0.107	4	4.51	0.019	0.05	<0.1	0.06	35.4	<0.1	0.08	13	1.3	<0.2
3852399	Soil	2	70	2.32	64	0.113	12	5.81	0.028	0.05	<0.1	0.17	23.8	<0.1	<0.05	13	1.3	<0.2
3852400	Soil	<1	18	1.10	55	0.066	10	6.09	0.021	0.03	<0.1	0.15	11.4	<0.1	0.26	11	0.6	<0.2
3852401	Soil	9	47	0.89	161	0.088	3	2.43	0.028	0.06	<0.1	0.05	15.4	<0.1	<0.05	7	0.5	<0.2
3852402	Soil	9	31	0.55	102	0.078	2	1.79	0.023	0.07	0.1	0.04	6.2	<0.1	<0.05	5	<0.5	<0.2



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Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Unit		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		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
3852403	Soil	0.3	18.9	4.4	40	<0.1	17.8	11.3	414	2.50	5.3	0.6	1.4	3.2	18	<0.1	0.3	<0.1	72	0.42	0.033
3852404	Soil	0.3	27.1	2.6	35	0.1	10.1	6.4	402	1.82	1.8	0.3	<0.5	1.4	16	<0.1	0.1	<0.1	61	0.43	0.029
3852405	Soil	0.4	27.6	4.3	40	<0.1	14.9	7.9	373	2.05	3.8	0.3	<0.5	2.3	18	<0.1	0.2	<0.1	61	0.35	0.016
3852406	Soil	0.4	37.2	5.5	43	<0.1	17.4	8.1	203	2.05	5.6	0.5	1.9	3.5	19	<0.1	0.3	0.1	57	0.26	0.016
3852407	Soil	0.7	92.5	2.9	42	<0.1	18.6	17.9	582	3.39	5.0	0.4	2.1	1.9	27	0.1	0.3	<0.1	110	0.69	0.023
3852408	Soil	0.5	87.9	5.0	39	<0.1	17.9	14.0	407	2.74	12.6	0.4	1.9	2.3	23	<0.1	0.4	<0.1	89	0.55	0.028
3852409	Soil	0.5	56.7	5.4	48	<0.1	29.1	16.6	514	3.26	9.2	0.6	2.7	3.2	30	<0.1	0.4	<0.1	96	0.56	0.040
3852410	Soil	0.5	58.2	4.8	46	<0.1	19.7	12.3	460	2.75	7.3	0.8	18.2	3.1	31	<0.1	0.4	<0.1	81	0.64	0.045
3852411	Soil	0.7	52.5	4.8	39	0.2	16.3	11.3	472	2.73	5.6	0.4	<0.5	1.9	17	0.1	0.3	0.1	88	0.32	0.040
3852412	Soil	0.5	49.3	4.2	49	<0.1	22.1	14.6	399	2.90	7.7	0.4	2.7	2.1	26	<0.1	0.3	<0.1	88	0.58	0.043
3852413	Soil	0.5	64.4	3.7	43	<0.1	20.1	12.1	410	3.04	3.9	0.3	0.7	1.7	21	<0.1	0.2	<0.1	88	0.42	0.025
3852414	Soil	0.5	99.8	3.4	50	0.2	22.6	12.1	290	2.66	5.5	0.3	1.4	2.1	47	<0.1	0.3	<0.1	74	0.66	0.030
3852415	Soil	0.4	19.4	4.4	37	<0.1	14.9	7.4	209	1.98	4.6	0.4	1.0	2.6	18	<0.1	0.3	<0.1	54	0.35	0.025
3852416	Soil	0.8	162.0	4.3	65	0.1	22.9	20.7	514	3.40	5.4	0.4	5.7	1.6	41	0.2	0.4	<0.1	117	1.29	0.031
3852417	Soil	0.5	36.7	5.1	39	<0.1	15.2	10.1	240	2.41	5.5	0.3	0.8	1.9	18	<0.1	0.3	<0.1	64	0.34	0.036
3852418	Soil	0.6	35.7	4.2	45	<0.1	15.7	10.7	372	2.47	6.9	0.3	0.8	1.5	20	0.1	0.3	<0.1	83	0.43	0.024
3852419	Soil	0.3	68.8	2.0	40	0.1	13.6	13.7	869	2.67	3.1	0.2	1.8	1.5	48	<0.1	0.1	<0.1	80	1.94	0.048
3852420	Soil	0.7	66.7	4.4	64	0.1	23.6	22.1	1088	3.72	9.9	0.4	<0.5	1.9	21	0.2	0.3	0.2	102	0.54	0.023
3852421	Soil	0.5	54.9	5.1	45	<0.1	19.5	13.5	511	3.04	8.9	0.5	1.2	2.7	24	<0.1	0.5	<0.1	103	0.66	0.015
3852422	Soil	0.3	94.5	1.8	50	<0.1	18.8	25.9	1203	3.80	2.6	0.3	5.2	0.6	55	0.2	0.2	<0.1	141	2.75	0.046



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Method	Analyte	Unit	MDL	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	0.01	0.1	0.05	1	0.5	0.2
3852403	Soil			12	43	0.72	81	0.071	1	1.68	0.027	0.07	0.1	0.08	9.9	<0.1	<0.05	5	<0.5	<0.2
3852404	Soil			5	24	0.52	97	0.035	1	1.79	0.034	0.05	<0.1	0.02	5.5	<0.1	<0.05	4	<0.5	<0.2
3852405	Soil			8	28	0.53	114	0.070	<1	1.76	0.017	0.04	0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
3852406	Soil			9	32	0.52	108	0.072	<1	1.75	0.014	0.05	0.2	0.01	4.6	<0.1	<0.05	5	<0.5	<0.2
3852407	Soil			5	39	0.81	151	0.085	2	2.56	0.025	0.03	<0.1	0.05	11.0	<0.1	<0.05	7	0.6	<0.2
3852408	Soil			7	34	0.67	149	0.052	1	2.46	0.020	0.05	<0.1	0.02	8.7	<0.1	<0.05	6	<0.5	<0.2
3852409	Soil			8	40	0.78	244	0.074	2	2.74	0.017	0.05	<0.1	0.15	9.6	0.1	<0.05	6	<0.5	<0.2
3852410	Soil			13	37	0.71	210	0.074	1	2.01	0.021	0.05	<0.1	0.02	10.7	<0.1	<0.05	6	<0.5	<0.2
3852411	Soil			6	31	0.59	147	0.071	<1	2.18	0.018	0.05	0.1	0.03	5.9	<0.1	<0.05	7	<0.5	<0.2
3852412	Soil			6	40	0.79	205	0.070	2	2.57	0.022	0.04	<0.1	0.03	8.2	<0.1	<0.05	7	<0.5	<0.2
3852413	Soil			5	38	0.82	149	0.040	<1	3.00	0.018	0.05	<0.1	0.02	7.2	<0.1	<0.05	8	<0.5	<0.2
3852414	Soil			6	30	0.67	190	0.081	2	3.62	0.023	0.08	0.1	0.07	6.3	<0.1	<0.05	8	<0.5	<0.2
3852415	Soil			8	27	0.47	97	0.079	1	1.48	0.019	0.07	0.2	0.01	4.4	<0.1	<0.05	4	<0.5	<0.2
3852416	Soil			5	56	0.97	95	0.067	4	4.05	0.022	0.12	<0.1	0.04	16.2	<0.1	<0.05	9	<0.5	<0.2
3852417	Soil			7	28	0.56	118	0.056	<1	1.83	0.014	0.04	0.1	0.01	5.2	<0.1	<0.05	6	<0.5	<0.2
3852418	Soil			5	32	0.68	114	0.066	1	1.90	0.020	0.04	<0.1	0.01	5.8	<0.1	<0.05	5	<0.5	<0.2
3852419	Soil			7	34	0.86	141	0.076	1	3.40	0.025	0.06	<0.1	0.04	12.5	<0.1	<0.05	7	<0.5	<0.2
3852420	Soil			6	52	0.83	130	0.080	2	2.37	0.020	0.06	0.1	0.02	11.0	<0.1	<0.05	7	<0.5	0.2
3852421	Soil			10	42	0.81	101	0.088	3	2.50	0.023	0.10	<0.1	0.04	12.7	<0.1	<0.05	7	<0.5	<0.2
3852422	Soil			3	64	1.92	131	0.067	31	3.70	0.023	0.05	<0.1	0.05	19.1	<0.1	<0.05	8	1.2	<0.2



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Report Date: August 27, 2021

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QUALITY CONTROL REPORT

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MethodAnalyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
	Moppm	Cuppm	Pbppm	Zn ppm	Agppm	Nippm	Coppm	Mn ppm %0.01	Fe ppm %0.01	Asppm 0.5 ppm	U Au ppb 0.5	Thppm 0.1	Srppm 1	Cdppm 0.1	Sbppm 0.1	Bippm 0.1	V ppm %0.01	Ca % 0.001	P %			
Pulp Duplicates																						
3852023 Soil	1.2	226.4	6.6	193	0.1	29.7	30.3	1008	5.47	9.8	0.4	12.6	1.6	71	0.3	0.6	<0.1	180	1.19	0.015		
REP 3852023 QC	1.4	222.0	6.4	185	0.2	29.3	29.7	1015	5.59	8.9	0.4	9.8	1.5	68	0.4	0.6	<0.1	179	1.20	0.015		
3852059 Soil	0.4	48.5	3.4	28	<0.1	15.0	9.4	334	2.08	4.5	0.6	5.6	2.4	25	<0.1	0.3	<0.1	65	0.61	0.043		
REP 3852059 QC	0.4	46.5	3.4	29	<0.1	13.4	8.5	305	1.94	4.5	0.5	1.9	2.2	23	<0.1	0.3	<0.1	59	0.58	0.039		
3852095 Soil	0.6	43.3	7.6	36	<0.1	19.4	10.6	361	2.24	4.6	0.5	1.3	3.1	18	<0.1	0.3	<0.1	69	0.49	0.012		
REP 3852095 QC	0.6	41.8	8.0	37	<0.1	20.4	10.6	353	2.24	4.9	0.6	1.5	3.1	18	<0.1	0.4	<0.1	70	0.48	0.013		
3852131 Soil	0.8	57.3	5.5	69	<0.1	22.7	16.8	593	3.88	10.9	0.4	3.3	2.6	31	<0.1	0.5	<0.1	125	0.81	0.019		
REP 3852131 QC	0.7	57.3	5.4	68	<0.1	22.4	16.9	642	3.99	10.8	0.4	1.4	2.7	31	0.2	0.5	<0.1	127	0.76	0.018		
3852167 Soil	0.6	35.7	4.0	42	<0.1	16.4	11.5	488	2.67	8.8	0.4	3.1	2.4	23	0.1	0.3	<0.1	84	0.51	0.026		
REP 3852167 QC	0.5	37.8	4.1	44	<0.1	17.3	11.7	499	2.70	8.5	0.4	<0.5	2.2	25	0.1	0.3	<0.1	84	0.52	0.027		
3852204 Soil	0.8	121.9	6.5	137	<0.1	26.4	25.4	673	4.03	6.8	0.5	5.5	2.4	30	0.3	0.4	0.1	108	1.01	0.017		
REP 3852204 QC	0.8	117.7	6.5	143	<0.1	27.7	25.2	671	3.92	7.1	0.5	4.3	2.4	30	0.3	0.4	0.1	109	1.06	0.018		
3852261 Soil	0.4	133.6	3.5	81	0.2	26.3	29.3	1086	5.61	6.8	0.3	4.4	1.4	46	0.2	0.4	<0.1	186	1.52	0.025		
REP 3852261 QC	0.5	135.2	3.5	81	0.2	26.6	28.2	1119	5.42	7.1	0.3	4.1	1.3	46	0.1	0.5	<0.1	181	1.44	0.024		
3852335 Soil	0.4	20.1	4.5	31	<0.1	14.0	7.3	241	1.96	5.6	0.5	1.5	2.6	23	<0.1	0.3	<0.1	58	0.46	0.038		
REP 3852335 QC	0.4	20.1	4.5	30	<0.1	13.7	7.2	236	1.94	5.7	0.5	1.0	2.5	22	<0.1	0.3	<0.1	57	0.45	0.037		
3852410 Soil	0.5	58.2	4.8	46	<0.1	19.7	12.3	460	2.75	7.3	0.8	18.2	3.1	31	<0.1	0.4	<0.1	81	0.64	0.045		
REP 3852410 QC	0.5	60.2	4.8	45	<0.1	20.1	12.8	467	2.77	7.5	0.8	5.8	3.4	31	<0.1	0.4	<0.1	84	0.63	0.045		
Reference Materials																						
STD BVGEO01 Standard	11.8	4567.7	181.4	1806	2.4	160.4	24.8	723	3.65	112.8	3.9	197.9	15.3	55	6.0	3.0	23.9	77	1.34	0.069		
STD BVGEO01 Standard	11.2	4634.9	202.4	1752	2.6	173.8	27.1	786	3.99	126.0	4.1	219.6	17.6	57	6.6	3.3	25.8	70	1.40	0.077		
STD BVGEO01 Standard	11.0	4250.8	195.4	1590	2.6	163.3	25.9	706	3.94	120.9	3.8	216.8	16.2	59	6.3	3.4	24.2	80	1.36	0.069		
STD BVGEO01 Standard	10.7	4157.7	189.1	1644	2.6	161.5	24.8	704	3.96	118.6	3.8	210.7	15.8	56	6.2	3.4	24.2	78	1.29	0.071		
STD DS11 Standard	14.3	137.8	135.5	315	1.8	84.0	13.6	955	3.12	45.0	2.5	78.0	7.9	65	2.2	8.0	11.5	54	1.10	0.073		
STD DS11 Standard	14.0	143.2	143.5	330	1.7	79.2	14.2	957	3.20	44.0	2.6	66.7	8.8	64	2.5	7.9	11.4	53	1.01	0.072		
STD DS11 Standard	15.9	150.8	141.2	350	1.8	81.4	14.6	978	3.28	44.9	2.7	78.2	9.4	65	2.5	8.6	11.7	54	1.06	0.076		
STD DS11 Standard	16.0	147.2	147.7	341	1.7	83.5	13.4	989	3.06	45.7	2.8	76.4	9.6	66	2.2	8.7	12.0	56	1.15	0.070		
STD DS11 Standard	15.4	149.3	140.7	329	1.6	81.1	14.1	987	3.20	43.6	2.7	72.8	9.2	63	2.2	8.6	11.3	53	1.05	0.068		

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this



QUALITY CONTROL REPORT

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MethodAnalyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201		
Unit	Lppm	Crppm	Mg	Bppm	Ti	B	Al	Na	K	W	Hg	ppm	Scppm	Tlppm	S	Gappm	Seppm	Teppm	
MDL	1	1	0.01	1	0.001	ppm	%0.01	%0.001	%0.01	ppm0.1	0.01	0.1	0.1	0.1	%0.05	1	0.5	0.2	
Pulp Duplicates																			
3852023 Soil	5	72	1.42	206	0.061	2	4.91	0.036	0.05	<0.1	0.03	22.7	<0.1	<0.05	11	0.8	<0.2		
REP 3852023 QC	5	72	1.39	200	0.061	2	4.73	0.038	0.05	<0.1	0.02	22.4	<0.1	<0.05	10	0.8	<0.2		
3852059 Soil	8	29	0.50	120	0.056	<1	1.54	0.019	0.04	0.1	0.03	6.1	<0.1	<0.05	4	<0.5	<0.2		
REP 3852059 QC	8	27	0.49	115	0.054	<1	1.47	0.018	0.04	0.1	0.03	6.0	<0.1	0.05	4	<0.5	<0.2		
3852095 Soil	10	40	0.61	70	0.077	<1	1.69	0.027	0.06	0.1	0.02	8.2	<0.1	<0.05	4	<0.5	<0.2		
REP 3852095 QC	10	40	0.63	69	0.079	2	1.76	0.028	0.06	0.1	0.02	8.7	<0.1	<0.05	5	<0.5	<0.2		
3852131 Soil	9	50	0.81	145	0.092	3	3.14	0.019	0.11	<0.1	0.02	13.2	<0.1	<0.05	8	<0.5	<0.2		
REP 3852131 QC	9	50	0.87	139	0.090	4	3.28	0.020	0.10	<0.1	0.02	13.7	<0.1	<0.05	8	<0.5	<0.2		
3852167 Soil	7	31	0.63	116	0.089	3	1.85	0.019	0.09	0.1	0.01	6.2	<0.1	<0.05	5	<0.5	<0.2		
REP 3852167 QC	7	32	0.65	117	0.091	2	1.97	0.021	0.09	<0.1	0.01	6.5	<0.1	<0.05	5	<0.5	<0.2		
3852204 Soil	8	51	0.88	142	0.082	1	3.11	0.023	0.05	<0.1	0.02	12.1	<0.1	<0.05	8	<0.5	<0.2		
REP 3852204 QC	8	52	0.97	144	0.085	2	3.45	0.025	0.05	0.1	0.03	12.1	<0.1	<0.05	8	0.5	<0.2		
3852261 Soil	4	71	1.53	197	0.100	2	5.48	0.025	0.10	<0.1	0.03	27.9	<0.1	<0.05	12	0.9	<0.2		
REP 3852261 QC	4	73	1.49	203	0.095	2	5.27	0.024	0.10	<0.1	0.04	26.1	<0.1	<0.05	12	0.7	<0.2		
3852335 Soil	9	27	0.43	108	0.076	2	1.34	0.039	0.05	0.1	0.01	4.7	<0.1	<0.05	4	<0.5	<0.2		
REP 3852335 QC	9	27	0.42	107	0.073	1	1.38	0.037	0.05	0.2	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2		
3852410 Soil	13	37	0.71	210	0.074	1	2.01	0.021	0.05	<0.1	0.02	10.7	<0.1	<0.05	6	<0.5	<0.2		
REP 3852410 QC	13	40	0.71	210	0.074	2	2.03	0.021	0.05	<0.1	0.03	10.5	<0.1	<0.05	5	<0.5	<0.2		
Reference Materials																			
STD BVGEO01 Standard	25	193	1.23	258	0.230	4	2.12	0.193	0.92	4.7	0.10	7.0	0.6	0.63	7	4.6	1.0		
STD BVGEO01 Standard	28	209	1.42	278	0.252	3	2.48	0.205	0.91	5.6	0.10	7.1	0.7	0.65	7	4.9	0.9		
STD BVGEO01 Standard	27	202	1.32	297	0.229	4	2.35	0.198	0.89	5.3	0.10	6.7	0.6	0.69	8	4.8	1.2		
STD BVGEO01 Standard	27	188	1.35	273	0.223	3	2.36	0.203	0.90	5.2	0.10	6.1	0.6	0.72	7	5.0	1.1		
STD DS11 Standard	18	61	0.85	389	0.093	7	1.23	0.071	0.41	3.1	0.27	3.6	5.0	0.24	5	2.1	4.5		
STD DS11 Standard	19	62	0.84	363	0.092	9	1.17	0.076	0.38	2.9	0.26	3.4	4.8	0.24	5	2.0	4.8		
STD DS11 Standard	20	62	0.90	375	0.095	7	1.23	0.082	0.42	3.1	0.26	3.4	5.0	0.30	5	2.1	4.6		
STD DS11 Standard	20	64	0.88	377	0.102	7	1.24	0.080	0.45	3.1	0.26	3.7	5.1	0.30	5	2.2	4.7		
STD DS11 Standard	19	61	0.80	355	0.093	7	1.14	0.070	0.40	3.0	0.26	3.7	4.9	0.28	4	2.1	4.6		



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		AQ201	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 DS11	Standard	15.8	148.8	140.2	353	1.8	80.3	14.1	982	3.34	46.2	2.6	94.3	8.9	70	2.5	9.2	12.2	52	1.11	0.073	
STD OREAS262	Standard	0.7	103.2	54.3	145	0.5	64.0	28.6	517	3.48	37.7	1.2	53.3	9.5	34	0.6	4.7	1.0	23	3.00	0.046	
STD OREAS262	Standard	0.6	112.6	58.5	145	0.5	65.8	28.0	507	3.39	36.4	1.3	56.0	10.3	35	0.7	4.6	1.0	24	2.83	0.042	
STD OREAS262	Standard	0.8	110.0	57.3	149	0.5	66.3	28.4	549	3.51	37.6	1.2	69.9	10.1	36	0.6	5.3	1.1	24	2.99	0.044	
STD OREAS262	Standard	0.7	118.5	58.3	158	0.5	67.9	29.8	540	3.50	37.8	1.3	58.6	10.7	36	0.8	5.1	1.1	24	3.05	0.044	
STD OREAS262	Standard	0.8	116.2	57.9	142	0.5	67.5	28.5	537	3.47	37.3	1.2	66.7	10.6	35	0.5	5.8	1.0	23	3.06	0.040	
STD OREAS262	Standard	0.7	112.8	57.3	149	0.5	65.5	27.2	512	3.36	35.8	1.2	71.4	10.3	35	0.7	5.8	1.0	21	2.82	0.039	
STD OREAS262	Standard	0.6	111.8	58.8	146	0.4	63.9	27.2	523	3.40	37.4	1.3	64.9	10.2	35	0.6	5.3	1.0	23	3.13	0.040	
STD OREAS262	Standard	0.8	119.4	61.4	152	0.5	69.6	29.5	567	3.56	38.0	1.3	73.3	10.9	36	0.9	6.1	1.0	25	3.08	0.039	
STD OREAS262	Standard	0.8	109.8	57.6	146	0.5	64.7	28.0	510	3.36	35.3	1.3	61.5	10.3	34	0.8	5.1	1.0	25	2.91	0.037	
STD OREAS262	Standard	0.7	115.3	57.8	147	0.5	65.6	28.2	550	3.55	38.3	1.2	62.8	10.0	38	0.7	5.3	1.1	23	3.02	0.041	
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 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 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	0.041	
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	
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	
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	



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

QUALITY CONTROL REPORT

WHI21000244.1

		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	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	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS11	Standard	18	60	0.85	391	0.090	7	1.19	0.071	0.41	3.3	0.26	3.4	5.1	0.26	5	2.4	4.8
STD OREAS262	Standard	16	43	1.16	264	0.003	4	1.25	0.065	0.30	0.2	0.15	3.5	0.5	0.21	4	<0.5	0.2
STD OREAS262	Standard	18	45	1.10	262	0.003	4	1.23	0.064	0.29	0.2	0.15	3.4	0.5	0.23	4	<0.5	0.2
STD OREAS262	Standard	19	47	1.17	263	0.003	6	1.39	0.066	0.32	0.2	0.16	3.4	0.5	0.23	4	<0.5	0.2
STD OREAS262	Standard	17	45	1.21	268	0.003	4	1.33	0.066	0.31	0.2	0.16	3.4	0.5	0.29	4	<0.5	0.2
STD OREAS262	Standard	17	45	1.21	256	0.003	4	1.38	0.070	0.32	0.2	0.17	3.4	0.5	0.25	4	<0.5	0.3
STD OREAS262	Standard	17	45	1.12	259	0.002	4	1.28	0.066	0.31	0.3	0.16	3.3	0.5	0.28	4	<0.5	0.3
STD OREAS262	Standard	19	46	1.21	253	0.003	4	1.36	0.070	0.34	0.2	0.16	3.4	0.5	0.27	4	<0.5	0.3
STD OREAS262	Standard	20	46	1.22	266	0.004	2	1.42	0.071	0.32	0.2	0.17	3.8	0.5	0.32	4	<0.5	0.2
STD OREAS262	Standard	19	45	1.15	252	0.004	3	1.34	0.064	0.31	0.2	0.16	3.4	0.4	0.24	4	<0.5	0.2
STD OREAS262	Standard	16	43	1.23	260	0.003	4	1.30	0.068	0.30	0.2	0.17	3.4	0.5	0.24	4	<0.5	0.2
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 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 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	0.7	<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
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



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Ryan Burke

60 Boswell Crescent

Submitted By: Ryan Burke Canada-
Receiving Lab: Whitehorse July 21,
Received: 2021

Analysis Start: August 10, 2021

Report Date: August 27, 2021

Page: 1 of 7

CERTIFICATE OF ANALYSIS

WHI21000245.1

CLIENT JOB INFORMATION

Project:	KT	Procedure Code
Shipment ID:		SS80
P.O. Number		AQ201
of Samples:	156	SVRJT

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
	156	Dry at 60C sieve 100g to -80 mesh			WHI
	156	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
	156	Save all or part of Soil Reject			WHI
SHP01	156	Per sample shipping charges for branch shipments			VAN

SAMPLE DISPOSAL

IMM-PLP Return immediately after analysis
PICKUP-RJT Client to Pickup Rejects

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: Michael Burke


JEFFREY CANNON
Geochemistry Department Supervisor



CERTIFICATE OF ANALYSIS

WHI21000245.1

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	
3852423	Soil	0.5	66.9	4.3	49	<0.1	18.8	11.4	377	2.80	6.9	0.5	5.0	2.8	42	<0.1	0.4	<0.1	79	1.31	0.045
3852424	Soil	0.4	57.5	4.5	37	<0.1	15.3	8.9	403	2.53	4.7	0.5	4.7	2.9	30	<0.1	0.2	<0.1	86	0.76	0.030
3852425	Soil	0.2	59.6	6.1	22	<0.1	7.5	7.6	295	2.01	2.0	0.3	1.4	2.0	16	<0.1	0.4	0.1	53	0.86	0.022
3852426	Soil	0.6	19.9	5.5	35	<0.1	15.9	8.0	243	2.18	5.3	0.5	5.4	3.1	23	<0.1	0.4	0.1	60	0.41	0.016
3852427	Soil	0.5	148.7	4.2	43	<0.1	23.8	16.1	437	3.89	6.6	0.5	3.2	3.1	41	<0.1	0.4	0.1	135	1.24	0.019
3852428	Soil	0.2	55.5	1.7	54	<0.1	14.9	13.1	654	3.05	2.7	0.3	1.4	1.5	65	0.1	0.1	<0.1	132	2.31	0.056
3852429	Soil	0.2	106.4	2.0	42	<0.1	23.4	15.1	757	3.62	3.1	0.3	12.0	1.8	41	<0.1	0.1	<0.1	176	1.62	0.018
3852430	Soil	0.6	67.1	4.5	54	0.1	26.4	16.5	600	3.82	7.1	0.4	3.0	2.8	32	<0.1	0.4	<0.1	121	0.87	0.012
3852431	Soil	0.4	59.4	3.0	83	0.1	47.1	27.5	1108	4.63	3.0	0.3	0.9	1.2	30	0.1	0.2	<0.1	139	1.00	0.020
3852432	Soil	0.4	138.9	2.4	47	<0.1	18.8	15.7	723	3.68	4.5	0.4	12.0	1.4	51	<0.1	0.3	<0.1	156	2.98	0.053
3852433	Soil	0.4	104.0	3.8	49	<0.1	22.7	15.7	535	3.35	7.1	0.4	5.7	2.6	39	<0.1	0.3	<0.1	115	1.29	0.031
3852434	Soil	0.3	60.6	2.8	49	<0.1	17.4	13.5	436	2.85	4.4	0.2	2.6	1.7	31	<0.1	0.2	<0.1	107	0.83	0.016
3852435	Soil	0.5	50.0	5.0	45	<0.1	22.1	11.3	409	2.94	7.5	0.4	17.2	3.4	28	<0.1	0.4	<0.1	86	0.60	0.023
3852436	Soil	0.8	34.9	10.0	66	0.1	30.1	11.6	890	2.45	10.5	0.7	1.7	5.8	62	0.4	1.2	0.1	56	3.55	0.078
3852437	Soil	0.4	34.9	8.4	53	<0.1	23.8	11.1	300	2.75	12.5	0.6	2.2	5.8	31	0.1	1.0	0.1	69	0.61	0.034
3852438	Soil	0.5	53.3	6.8	66	<0.1	24.3	11.1	414	2.49	8.8	0.5	3.8	4.0	38	0.2	0.8	0.1	64	1.06	0.054
3852439	Soil	0.4	58.8	4.3	33	<0.1	25.4	14.7	309	3.28	7.0	0.4	3.7	3.1	27	<0.1	0.3	<0.1	109	0.83	0.012
3852440	Soil	0.2	449.9	1.4	31	0.1	18.5	16.0	554	2.97	3.8	0.2	14.0	1.0	92	<0.1	<0.1	<0.1	109	5.27	0.045
3852441	Soil	0.9	169.3	3.2	38	<0.1	26.8	20.9	631	4.02	7.1	0.4	8.0	1.2	73	<0.1	0.2	0.1	132	1.71	0.050
3852442	Soil	0.4	3480.3	1.8	58	0.4	29.5	15.8	789	3.08	1.4	0.3	43.3	1.0	64	0.1	<0.1	<0.1	133	2.49	0.053
3852443	Soil	0.5	42.7	5.5	36	<0.1	23.3	10.6	412	2.25	6.4	0.6	3.2	4.5	27	<0.1	0.4	0.1	63	0.58	0.042
3852444	Soil	0.9	42.1	10.5	65	0.1	34.5	13.4	540	3.08	13.6	0.8	3.5	5.7	32	0.1	1.1	0.2	75	0.54	0.030
3852445	Soil	0.6	40.1	11.7	66	<0.1	36.1	12.7	450	2.66	19.3	0.8	2.5	7.4	45	0.4	1.6	0.2	54	1.73	0.084
3852446	Soil	0.5	70.2	5.4	46	0.1	31.7	16.3	418	2.80	8.0	0.6	7.9	3.8	56	0.1	0.5	<0.1	75	3.05	0.095
3852447	Soil	0.3	40.3	1.7	21	<0.1	37.0	25.7	453	5.77	2.9	0.2	1.0	2.0	58	<0.1	0.1	<0.1	250	2.11	0.255
3852448	Soil	0.8	44.5	11.9	76	0.2	36.7	13.8	555	2.99	16.9	0.8	2.6	6.7	58	0.2	1.7	0.2	67	2.19	0.075
3852449	Soil	0.6	348.4	4.0	30	0.1	52.3	61.9	543	8.03	10.5	0.4	24.4	1.3	38	<0.1	0.3	<0.1	150	1.14	0.035
3852450	Soil	0.6	154.3	9.6	46	0.2	27.2	17.0	383	4.06	23.2	0.5	38.2	2.9	27	<0.1	0.3	0.1	112	0.79	0.015
3852451	Soil	1.1	367.4	18.4	336	0.8	34.7	65.5	1199	6.96	8.7	0.5	8.1	1.3	68	1.2	0.7	<0.1	179	2.06	0.068
3852452	Soil	1.7	282.8	6.7	455	0.7	46.3	35.5	1041	5.60	9.8	0.5	10.1	0.9	92	1.3	0.6	<0.1	176	2.20	0.041



CERTIFICATE OF ANALYSIS

WHI21000245.1

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	
3852423	Soil	9	37	0.78	140	0.074	7	1.96	0.032	0.06	<0.1	0.07	9.4	<0.1	<0.05	5	<0.5	<0.2
3852424	Soil	8	33	0.83	104	0.096	4	2.12	0.020	0.05	0.1	0.02	9.8	<0.1	<0.05	6	<0.5	<0.2
3852425	Soil	8	16	0.42	227	0.016	6	1.35	0.026	0.07	<0.1	0.06	5.7	<0.1	<0.05	4	<0.5	<0.2
3852426	Soil	9	34	0.52	150	0.091	2	1.60	0.017	0.06	0.1	<0.01	5.0	<0.1	<0.05	5	<0.5	<0.2
3852427	Soil	8	77	1.12	145	0.116	5	3.97	0.025	0.10	<0.1	0.13	17.6	<0.1	<0.05	10	<0.5	<0.2
3852428	Soil	6	86	1.97	85	0.078	7	3.93	0.051	0.05	<0.1	0.11	27.4	<0.1	<0.05	9	<0.5	<0.2
3852429	Soil	5	77	2.04	82	0.181	62	4.15	0.023	0.04	<0.1	0.03	23.6	<0.1	<0.05	10	<0.5	<0.2
3852430	Soil	8	64	1.09	168	0.117	6	3.31	0.021	0.06	0.1	0.06	14.7	<0.1	0.05	8	<0.5	<0.2
3852431	Soil	4	73	1.71	157	0.152	9	3.62	0.027	0.05	<0.1	0.02	13.8	<0.1	<0.05	9	<0.5	<0.2
3852432	Soil	5	58	1.88	84	0.139	49	3.26	0.027	0.05	<0.1	0.14	20.3	<0.1	0.05	9	0.6	<0.2
3852433	Soil	9	59	1.16	116	0.092	10	2.91	0.034	0.07	<0.1	0.06	15.9	<0.1	<0.05	7	<0.5	<0.2
3852434	Soil	5	49	0.91	123	0.077	5	2.77	0.029	0.06	<0.1	0.03	12.3	<0.1	<0.05	8	<0.5	<0.2
3852435	Soil	11	46	0.69	103	0.098	3	2.08	0.023	0.19	<0.1	0.02	10.5	<0.1	<0.05	6	<0.5	<0.2
3852436	Soil	16	35	0.73	348	0.050	2	1.34	0.016	0.12	<0.1	0.13	6.2	0.2	<0.05	4	<0.5	<0.2
3852437	Soil	16	38	0.65	159	0.070	2	1.90	0.018	0.11	<0.1	0.10	8.4	0.1	<0.05	5	<0.5	<0.2
3852438	Soil	14	40	0.63	183	0.052	4	1.66	0.026	0.12	<0.1	0.08	7.5	<0.1	<0.05	5	<0.5	<0.2
3852439	Soil	9	75	0.94	94	0.086	8	2.70	0.023	0.07	<0.1	0.05	14.3	<0.1	<0.05	7	<0.5	<0.2
3852440	Soil	4	65	1.62	80	0.033	37	3.61	0.055	0.04	<0.1	0.41	17.6	<0.1	<0.05	8	<0.5	<0.2
3852441	Soil	4	102	1.37	97	0.061	32	3.13	0.027	0.04	<0.1	0.10	16.0	<0.1	<0.05	8	1.2	<0.2
3852442	Soil	3	182	2.29	86	0.082	44	4.59	0.023	0.10	<0.1	0.21	22.4	<0.1	<0.05	10	0.7	0.2
3852443	Soil	14	49	0.57	120	0.078	4	1.41	0.028	0.08	0.1	0.06	7.2	<0.1	<0.05	4	<0.5	<0.2
3852444	Soil	24	45	0.71	196	0.059	2	2.02	0.025	0.14	<0.1	0.09	9.2	0.1	<0.05	6	<0.5	<0.2
3852445	Soil	20	42	0.83	228	0.061	3	1.47	0.016	0.19	<0.1	0.25	6.3	0.3	<0.05	5	<0.5	<0.2
3852446	Soil	12	58	0.95	159	0.079	9	1.61	0.028	0.11	0.2	0.10	8.1	0.1	<0.05	5	<0.5	<0.2
3852447	Soil	6	134	1.20	65	0.081	12	3.54	0.027	0.06	<0.1	0.07	20.2	<0.1	<0.05	9	<0.5	<0.2
3852448	Soil	19	44	0.88	219	0.059	3	1.67	0.012	0.24	0.1	0.20	7.7	0.2	<0.05	5	<0.5	<0.2
3852449	Soil	3	129	1.42	65	0.074	8	4.20	0.027	0.06	<0.1	0.07	22.6	<0.1	<0.05	8	3.4	0.3
3852450	Soil	8	81	1.02	107	0.098	4	3.17	0.027	0.07	<0.1	0.04	16.3	<0.1	<0.05	8	<0.5	<0.2
3852451	Soil	4	55	1.27	144	0.116	5	4.88	0.024	0.07	<0.1	0.09	26.7	<0.1	0.09	12	1.5	0.2
3852452	Soil	4	118	1.56	249	0.110	7	4.91	0.022	0.16	<0.1	0.10	30.6	<0.1	0.09	12	0.8	0.5



CERTIFICATE OF ANALYSIS

WHI21000245.1

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	2	0.01	0.001	
3852453	Soil	0.9	72.4	6.8	75	<0.1	26.3	17.5	650	3.42	9.8	0.6	3.4	3.4	67	0.2	0.7	<0.1	99	2.56	0.066
3852454	Soil	0.9	56.3	5.3	37	<0.1	19.6	12.3	348	3.20	16.8	0.6	4.6	3.3	30	<0.1	0.7	<0.1	106	0.60	0.011
3852455	Soil	1.0	67.4	7.1	53	<0.1	24.5	14.5	593	3.41	16.1	0.5	3.7	3.3	34	<0.1	0.6	<0.1	105	0.78	0.023
3852456	Soil	0.5	59.2	3.5	41	<0.1	18.2	15.1	454	2.98	4.2	0.4	1.5	1.9	27	<0.1	0.3	<0.1	102	0.67	0.015
3852457	Soil	0.7	51.4	5.0	37	<0.1	21.7	12.7	420	2.86	10.6	0.6	9.7	3.3	31	<0.1	0.5	<0.1	88	0.65	0.020
3852458	Soil	0.4	45.6	6.3	38	<0.1	20.0	8.0	249	2.47	7.0	0.8	6.5	5.3	28	<0.1	0.3	0.1	63	0.63	0.041
3852459	Soil	0.7	84.7	3.5	53	<0.1	18.2	15.4	599	3.62	14.6	0.5	5.3	2.2	28	<0.1	0.7	<0.1	114	0.88	0.026
3852460	Soil	0.6	77.3	3.6	40	<0.1	20.2	15.0	630	3.38	11.9	0.4	6.4	2.5	32	<0.1	0.3	<0.1	107	0.85	0.017
3852461	Soil	0.7	79.1	5.0	50	<0.1	17.8	14.7	651	3.05	11.0	0.4	5.5	2.3	56	0.1	0.6	<0.1	94	2.18	0.057
3852462	Soil	0.8	78.6	4.8	43	<0.1	18.0	13.7	583	3.21	14.2	0.6	6.1	2.8	46	0.1	0.7	<0.1	95	1.43	0.033
3852463	Soil	0.3	46.6	2.8	35	<0.1	13.5	10.3	364	2.30	4.2	0.2	2.4	1.3	22	<0.1	0.2	<0.1	78	0.47	0.029
3852464	Soil	0.8	84.9	4.6	57	<0.1	22.7	13.0	559	2.75	8.1	0.6	3.4	2.9	44	0.2	0.5	<0.1	90	1.34	0.068
3852465	Soil	1.1	106.8	5.4	69	<0.1	23.3	17.9	702	4.15	11.8	0.5	4.1	2.7	45	0.2	0.8	<0.1	122	1.33	0.046
3852466	Soil	0.3	35.6	4.3	45	<0.1	14.3	9.5	431	2.21	5.8	0.7	2.2	2.0	43	0.1	0.4	<0.1	63	1.49	0.058
3852467	Soil	0.8	88.9	5.3	45	<0.1	19.2	16.4	590	3.51	6.9	0.5	3.9	2.7	35	<0.1	0.3	<0.1	114	1.03	0.034
3852468	Soil	0.8	114.0	5.2	50	<0.1	19.8	26.6	835	4.34	5.1	0.5	10.3	2.3	40	<0.1	0.3	<0.1	113	4.19	0.054
3852469	Soil	0.7	14.3	7.8	50	<0.1	19.0	9.8	296	2.45	7.5	0.6	1.9	4.4	27	0.1	0.3	0.2	63	0.46	0.038
3852470	Soil	0.7	32.8	6.1	40	<0.1	19.8	9.7	367	2.55	10.0	0.6	2.1	3.4	28	<0.1	0.4	<0.1	73	0.55	0.042
3852471	Soil	0.7	42.6	5.7	42	<0.1	23.5	11.1	409	2.83	10.9	0.6	13.9	4.0	30	<0.1	0.5	<0.1	84	0.59	0.040
3852472	Soil	0.6	22.3	5.8	38	<0.1	18.9	8.2	254	2.27	8.3	0.4	2.4	3.4	25	<0.1	0.3	<0.1	59	0.41	0.033
3852473	Soil	0.6	25.4	5.3	34	<0.1	15.4	9.1	289	2.33	6.6	0.4	3.9	2.5	22	<0.1	0.4	<0.1	72	0.47	0.020
3852474	Soil	0.5	19.4	5.1	37	<0.1	15.8	7.8	259	2.12	5.5	0.4	1.3	3.5	23	<0.1	0.2	<0.1	61	0.41	0.031
3852475	Soil	0.5	35.3	4.1	39	<0.1	15.6	10.4	354	2.43	7.9	0.3	3.2	2.2	22	<0.1	0.2	<0.1	77	0.49	0.020
3852476	Soil	0.4	80.8	3.1	38	<0.1	16.8	12.1	405	2.96	7.3	0.4	3.1	2.1	40	<0.1	0.2	<0.1	97	1.08	0.048
3852477	Soil	0.5	59.1	4.8	44	<0.1	19.9	15.2	544	3.93	8.3	0.6	2.7	3.3	30	<0.1	0.4	0.1	127	0.75	0.016
3852478	Soil	0.5	56.1	3.1	55	<0.1	16.9	13.1	535	3.27	5.7	0.4	1.5	2.1	28	0.1	0.2	<0.1	112	0.66	0.046
3852479	Soil	0.5	68.8	4.5	47	0.1	19.0	13.8	613	3.58	11.6	0.6	4.3	2.8	35	0.1	0.4	<0.1	116	1.03	0.033
3852480	Soil	0.5	79.1	3.8	41	<0.1	16.7	13.7	527	3.41	8.7	0.6	4.5	2.6	31	<0.1	0.3	<0.1	115	0.92	0.022
3852481	Soil	0.5	58.0	4.7	48	<0.1	22.7	12.8	447	3.08	7.2	0.5	3.1	3.0	22	<0.1	0.3	0.1	103	0.45	0.036
3852482	Soil	0.5	78.7	4.8	52	<0.1	22.7	15.8	554	3.98	7.2	0.7	2.5	3.9	39	<0.1	0.4	0.1	128	0.89	0.016



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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	
3852453	Soil	11	44	0.88	166	0.088	4	1.98	0.028	0.09	<0.1	0.44	11.0	0.1	<0.05	6	<0.5	<0.2
3852454	Soil	11	42	0.57	108	0.106	2	2.07	0.023	0.10	<0.1	0.05	14.1	<0.1	<0.05	6	<0.5	<0.2
3852455	Soil	12	44	0.69	141	0.098	4	2.04	0.028	0.15	<0.1	0.04	13.5	0.1	<0.05	6	<0.5	<0.2
3852456	Soil	6	49	0.87	90	0.109	1	2.35	0.026	0.07	<0.1	0.01	10.1	<0.1	0.07	6	<0.5	<0.2
3852457	Soil	11	43	0.73	97	0.105	2	1.99	0.029	0.11	0.1	0.03	10.0	<0.1	<0.05	5	<0.5	<0.2
3852458	Soil	14	39	0.58	83	0.103	1	1.51	0.025	0.11	0.2	0.03	7.1	<0.1	<0.05	4	<0.5	<0.2
3852459	Soil	6	45	0.95	78	0.069	2	2.43	0.017	0.08	<0.1	0.04	16.2	<0.1	<0.05	6	0.6	<0.2
3852460	Soil	8	52	0.90	111	0.093	2	2.47	0.026	0.06	<0.1	0.04	13.4	<0.1	<0.05	6	<0.5	<0.2
3852461	Soil	8	39	0.84	121	0.083	5	1.87	0.030	0.05	<0.1	0.09	11.8	<0.1	<0.05	5	<0.5	<0.2
3852462	Soil	10	36	0.71	116	0.088	2	1.83	0.027	0.05	<0.1	0.07	13.1	<0.1	<0.05	5	<0.5	<0.2
3852463	Soil	4	33	0.59	98	0.064	2	1.82	0.027	0.03	<0.1	0.02	6.3	<0.1	<0.05	5	<0.5	<0.2
3852464	Soil	10	41	0.78	146	0.068	3	1.80	0.028	0.06	<0.1	0.09	10.1	<0.1	<0.05	5	<0.5	<0.2
3852465	Soil	11	51	0.96	248	0.070	4	2.55	0.028	0.08	<0.1	0.16	16.7	<0.1	<0.05	7	<0.5	<0.2
3852466	Soil	8	28	0.61	143	0.054	2	1.35	0.023	0.04	<0.1	0.08	7.2	<0.1	0.09	4	1.3	<0.2
3852467	Soil	9	44	1.01	213	0.076	3	2.68	0.019	0.05	<0.1	0.14	14.3	<0.1	<0.05	8	<0.5	<0.2
3852468	Soil	9	43	1.34	206	0.036	4	2.82	0.020	0.06	<0.1	0.15	17.9	<0.1	<0.05	8	<0.5	<0.2
3852469	Soil	12	38	0.57	185	0.094	<1	1.70	0.019	0.06	0.2	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
3852470	Soil	11	35	0.62	164	0.081	<1	1.84	0.020	0.05	<0.1	0.02	7.2	0.1	<0.05	5	<0.5	<0.2
3852471	Soil	12	39	0.69	183	0.083	1	2.02	0.026	0.05	<0.1	0.02	9.4	0.1	<0.05	5	<0.5	<0.2
3852472	Soil	9	30	0.54	126	0.075	<1	1.59	0.017	0.05	0.1	0.01	4.4	<0.1	<0.05	4	<0.5	<0.2
3852473	Soil	8	33	0.57	122	0.086	1	1.60	0.017	0.04	0.1	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2
3852474	Soil	9	32	0.56	113	0.087	<1	1.38	0.015	0.04	0.1	0.02	4.8	<0.1	<0.05	4	<0.5	<0.2
3852475	Soil	6	35	0.65	131	0.092	<1	1.80	0.021	0.04	0.1	0.02	5.8	<0.1	<0.05	6	<0.5	<0.2
3852476	Soil	6	43	0.90	169	0.085	2	2.60	0.025	0.04	<0.1	0.02	9.1	<0.1	<0.05	7	<0.5	<0.2
3852477	Soil	9	44	0.70	169	0.096	3	2.81	0.021	0.06	<0.1	0.04	16.5	<0.1	<0.05	8	<0.5	<0.2
3852478	Soil	6	33	0.74	123	0.120	1	3.04	0.025	0.10	<0.1	0.02	13.1	<0.1	<0.05	8	<0.5	<0.2
3852479	Soil	10	36	0.81	138	0.097	3	2.52	0.026	0.09	<0.1	0.06	13.7	<0.1	<0.05	7	<0.5	<0.2
3852480	Soil	8	35	0.71	105	0.096	2	2.51	0.027	0.07	<0.1	0.07	15.7	<0.1	<0.05	7	<0.5	<0.2
3852481	Soil	7	38	0.76	174	0.106	1	2.99	0.019	0.06	<0.1	0.03	7.2	0.1	<0.05	8	<0.5	<0.2
3852482	Soil	11	41	0.90	137	0.115	<1	3.40	0.032	0.07	0.1	0.03	16.9	<0.1	0.06	9	<0.5	<0.2



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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	F
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	
3852483	Soil	0.3	68.4	3.1	58	<0.1	20.9	20.6	831	4.44	5.6	0.4	2.0	1.6	35	0.1	0.1	<0.1	158	1.36	0.038
3852484	Soil	0.4	92.8	2.4	62	0.1	19.2	18.5	823	4.11	3.8	0.4	1.1	1.3	38	0.2	0.1	<0.1	133	1.36	0.035
3852485	Soil	0.5	68.5	4.3	54	<0.1	26.3	13.9	423	3.50	6.1	0.5	3.9	3.6	37	<0.1	0.4	<0.1	114	0.51	0.017
3852486	Soil	0.6	59.3	4.6	46	<0.1	22.0	14.0	541	3.30	9.1	0.4	2.6	2.4	25	0.1	0.4	<0.1	112	0.80	0.028
3852487	Soil	0.4	121.0	3.2	57	<0.1	22.7	29.1	927	4.89	11.2	0.3	3.4	1.4	38	<0.1	0.3	<0.1	162	3.00	0.025
3852488	Soil	0.4	75.8	3.1	55	<0.1	17.8	28.1	1235	6.56	10.4	0.3	1.4	1.3	19	0.2	0.2	<0.1	211	0.53	0.023
3852489	Soil	0.8	81.9	5.6	48	<0.1	24.4	19.1	629	4.06	10.4	0.5	3.2	2.5	31	<0.1	0.5	<0.1	138	0.69	0.015
3852490	Soil	0.1	131.6	1.3	53	<0.1	18.0	22.9	904	4.79	5.8	0.3	2.5	0.8	36	<0.1	<0.1	<0.1	160	2.08	0.020
3852491	Soil	0.2	145.6	1.0	56	<0.1	17.3	29.5	1559	6.06	3.2	0.2	5.2	0.4	87	<0.1	<0.1	<0.1	218	7.13	0.023
3852501	Soil	21.3	2497.6	9.9	600	4.3	46.3	183.9	2282	9.56	5.5	1.8	209.6	0.7	70	5.0	0.4	0.3	134	2.03	0.046
3852502	Soil	5.3	617.3	16.4	76	0.6	4.2	14.2	185	5.59	3.3	1.4	12.0	6.1	79	0.3	0.6	0.3	43	1.37	0.033
3852503	Soil	2.1	660.8	20.0	1740	1.7	43.5	61.7	2077	9.07	13.8	0.3	52.3	0.8	74	5.8	0.6	0.1	189	3.02	0.032
3852504	Soil	4.3	699.1	15.1	1178	1.7	33.2	44.9	1596	8.48	13.4	0.5	82.0	0.9	54	3.1	0.8	0.2	197	1.18	0.035
3852505	Soil	4.3	307.9	11.9	1457	0.5	30.3	47.5	2141	5.23	9.5	0.6	6.7	1.4	31	5.8	0.6	0.2	148	0.90	0.055
3852506	Soil	8.5	363.8	11.6	407	0.5	30.3	53.9	1593	6.84	16.0	0.7	50.4	1.2	32	0.9	1.0	0.2	177	0.77	0.015
3852507	Soil	5.3	353.6	10.8	414	0.4	28.8	47.0	1753	6.25	12.5	0.4	17.5	1.0	34	1.3	1.0	0.2	182	1.10	0.013
3852508	Soil	8.8	994.5	13.6	811	4.9	22.5	46.1	1298	7.70	12.0	0.5	173.2	1.0	48	2.4	1.1	0.2	125	2.05	0.023
3852509	Soil	3.2	403.4	11.4	839	1.4	30.8	37.7	1444	6.91	9.2	0.3	48.1	0.5	55	3.2	0.7	0.1	159	2.09	0.024
3852510	Soil	1.8	199.6	8.6	647	0.7	26.5	28.0	839	5.06	5.5	0.4	4.2	1.2	56	1.6	0.6	0.1	150	1.08	0.026
3852511	Soil	1.1	285.7	12.0	266	0.5	31.6	47.9	909	6.84	12.2	0.4	74.3	0.5	68	0.8	0.7	<0.1	211	1.75	0.029
3852512	Soil	1.5	326.2	16.9	337	1.3	28.3	53.6	1025	7.57	16.4	0.3	1127.5	0.4	52	1.5	1.0	0.1	170	2.11	0.036
3852513	Soil	16.8	1018.3	14.2	531	0.9	26.9	65.0	1271	10.59	19.9	1.1	176.6	1.4	28	1.6	1.2	0.4	137	0.65	0.024
3852514	Soil	5.6	888.8	13.6	1181	4.0	27.4	81.3	1781	7.02	212.9	0.3	647.5	0.7	43	4.2	2.5	0.1	153	2.58	0.025
3852515	Soil	3.5	427.9	16.8	1659	2.2	38.5	56.0	2102	9.52	14.1	0.3	58.9	0.8	90	6.1	1.1	0.1	190	4.59	0.020
3852516	Soil	3.9	551.9	13.2	972	2.0	31.3	41.4	1530	8.54	12.8	0.5	51.4	0.6	52	3.3	0.9	0.1	201	1.53	0.023
3852517	Soil	5.6	464.4	16.0	1506	2.1	32.6	59.2	1926	7.67	16.3	0.5	11.6	1.1	24	4.0	0.9	0.2	172	1.11	0.044
3852518	Soil	1.0	272.1	20.5	518	0.4	38.2	54.5	1090	7.26	16.3	0.4	10.7	0.7	53	1.3	1.0	0.1	217	1.57	0.052
3852519	Soil	2.9	300.0	11.2	412	0.4	27.6	39.1	1467	6.15	13.9	0.4	29.4	0.8	52	0.8	1.1	0.1	175	1.76	0.009
3852520	Soil	30.7	1346.1	17.0	391	7.4	14.0	40.6	837	19.31	<0.5	0.8	812.4	0.8	15	1.2	1.0	1.1	248	0.59	0.055
3852521	Soil	4.2	458.4	8.7	349	2.5	22.4	39.7	925	7.25	7.2	0.6	38.2	0.4	55	1.4	0.5	0.2	148	2.13	0.023



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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	
3852483	Soil	5	33	1.20	107	0.158	3	3.89	0.031	0.10	<0.1	0.04	15.0	<0.1	<0.05	10	<0.5	<0.2
3852484	Soil	5	19	1.16	113	0.141	4	3.78	0.059	0.07	<0.1	0.03	13.1	<0.1	<0.05	9	<0.5	<0.2
3852485	Soil	8	41	0.80	167	0.111	<1	3.30	0.029	0.06	0.1	0.02	8.1	<0.1	<0.05	8	<0.5	<0.2
3852486	Soil	6	39	0.84	149	0.094	2	2.54	0.024	0.06	0.1	0.02	8.3	<0.1	<0.05	6	<0.5	<0.2
3852487	Soil	5	55	1.43	134	0.072	6	3.06	0.086	0.04	<0.1	0.06	29.3	<0.1	<0.05	8	<0.5	<0.2
3852488	Soil	6	35	0.31	73	0.020	3	1.43	0.017	0.08	<0.1	0.04	27.7	<0.1	<0.05	5	<0.5	<0.2
3852489	Soil	8	52	0.92	164	0.100	2	2.94	0.020	0.08	<0.1	0.03	16.6	<0.1	<0.05	8	<0.5	<0.2
3852490	Soil	3	45	1.25	57	0.132	15	2.60	0.017	0.07	<0.1	0.01	25.1	<0.1	<0.05	10	<0.5	<0.2
3852491	Soil	2	50	2.45	26	0.073	15	4.07	0.091	0.05	<0.1	0.07	29.2	<0.1	<0.05	11	<0.5	<0.2
3852501	Soil	9	33	1.06	169	0.013	2	5.64	0.014	0.19	<0.1	0.18	20.7	0.1	0.13	9	6.6	0.4
3852502	Soil	11	33	0.43	250	0.002	2	2.28	0.111	0.15	<0.1	0.24	9.1	<0.1	0.36	5	4.8	<0.2
3852503	Soil	4	72	2.22	175	0.018	3	6.09	0.025	0.11	<0.1	0.09	25.7	<0.1	0.06	13	1.7	0.3
3852504	Soil	4	80	2.01	141	0.048	5	4.31	0.015	0.14	<0.1	0.06	25.8	<0.1	<0.05	12	2.0	0.3
3852505	Soil	7	73	1.37	130	0.025	4	3.24	0.019	0.11	<0.1	0.04	23.4	0.1	<0.05	9	0.9	<0.2
3852506	Soil	5	70	1.80	130	0.019	2	4.60	0.030	0.08	<0.1	0.03	23.7	<0.1	<0.05	12	2.1	0.3
3852507	Soil	5	66	1.71	152	0.030	2	4.55	0.015	0.11	<0.1	0.04	22.1	<0.1	<0.05	11	0.9	<0.2
3852508	Soil	4	44	1.28	145	0.006	2	4.02	0.016	0.10	<0.1	0.05	17.0	<0.1	<0.05	10	3.4	0.4
3852509	Soil	3	71	1.85	119	0.049	4	4.88	0.024	0.10	<0.1	0.05	23.0	<0.1	<0.05	11	1.1	0.2
3852510	Soil	4	63	1.35	235	0.061	5	3.91	0.021	0.13	<0.1	0.03	20.2	<0.1	<0.05	10	0.8	<0.2
3852511	Soil	3	60	1.81	174	0.109	3	4.67	0.022	0.05	<0.1	0.05	29.0	<0.1	<0.05	14	1.3	0.3
3852512	Soil	3	50	1.48	128	0.076	3	4.43	0.016	0.05	<0.1	0.08	24.1	<0.1	<0.05	12	2.4	0.5
3852513	Soil	6	55	1.23	115	0.011	2	3.85	0.016	0.10	<0.1	0.04	17.5	0.1	<0.05	9	7.2	0.5
3852514	Soil	6	69	1.59	99	0.049	3	3.68	0.018	0.05	<0.1	0.41	21.0	0.1	<0.05	10	3.7	0.3
3852515	Soil	3	62	2.26	159	0.019	2	5.63	0.023	0.07	<0.1	0.11	25.1	<0.1	0.06	14	2.4	0.4
3852516	Soil	3	83	2.01	117	0.056	3	4.41	0.023	0.10	<0.1	0.05	24.5	<0.1	<0.05	12	1.5	0.3
3852517	Soil	5	66	1.54	153	0.025	5	4.17	0.020	0.21	<0.1	0.05	23.5	<0.1	<0.05	10	1.2	0.3
3852518	Soil	3	64	1.77	145	0.107	4	5.04	0.016	0.06	<0.1	0.09	23.7	<0.1	<0.05	14	1.3	0.4
3852519	Soil	3	72	1.74	146	0.041	2	4.52	0.018	0.05	<0.1	0.08	21.9	<0.1	<0.05	12	1.2	<0.2
3852520	Soil	7	52	1.00	37	0.009	2	2.49	0.011	0.06	1.5	0.15	15.3	<0.1	<0.05	9	27.8	2.3
3852521	Soil	2	67	1.41	80	0.041	2	4.30	0.020	0.06	<0.1	0.13	18.6	<0.1	<0.05	9	3.6	0.3



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Report Date: August 27, 2021

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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	2	0.01	0.001	
3852522	Soil	3.3	428.5	12.5	401	1.1	31.7	32.4	1248	6.01	8.0	0.6	17.1	1.3	69	1.4	0.7	0.1	198	1.35	0.025
3852523	Soil	1.0	242.5	24.4	485	0.5	34.9	58.0	1770	6.52	9.9	0.4	9.4	1.0	47	1.6	0.7	0.1	188	1.53	0.053
3852524	Soil	1.2	279.9	16.1	351	0.6	32.2	54.2	939	7.89	10.7	0.3	10.3	0.7	61	1.2	0.9	0.1	206	1.77	0.051
3852525	Soil	0.8	240.0	28.8	456	0.9	24.9	32.9	1718	5.90	15.4	0.3	19.5	0.6	52	0.9	0.8	<0.1	198	1.03	0.022
3852526	Soil	0.6	291.6	23.1	96	1.0	31.4	33.0	570	5.32	107.8	0.5	162.7	1.7	43	0.1	1.0	0.2	126	1.41	0.056
3852527	Soil	0.5	255.7	24.4	85	0.5	26.9	22.5	518	5.17	55.3	0.5	163.2	1.1	29	0.1	0.8	0.1	144	1.02	0.013
3852528	Soil	0.4	415.9	52.3	130	1.8	25.4	19.6	757	7.71	54.1	0.3	423.4	0.5	29	0.3	0.7	0.4	142	1.27	0.038
3852529	Soil	0.4	616.5	37.6	114	2.6	34.6	30.0	800	8.76	87.4	0.3	392.1	0.5	33	0.2	0.8	0.5	170	1.22	0.043
3852530	Soil	0.5	443.1	38.5	119	1.9	26.7	21.4	735	7.33	91.2	0.3	161.7	0.6	25	0.2	0.6	0.3	157	1.07	0.038
3852531	Soil	0.5	103.8	19.1	78	0.1	24.5	17.1	455	3.38	29.5	0.5	32.1	2.6	33	0.1	0.5	0.1	95	0.91	0.042
3852532	Soil	0.8	472.8	69.6	103	4.2	35.9	18.2	557	10.76	17.0	0.4	919.6	0.7	15	0.2	0.8	0.5	133	0.41	0.053
3852533	Soil	0.6	747.1	4.3	60	1.3	54.0	44.1	419	6.58	26.0	0.7	196.7	0.2	121	0.2	0.6	0.3	200	2.20	0.036
3852534	Soil	0.3	251.7	2.5	26	0.7	37.5	25.9	417	5.01	16.8	0.4	250.4	0.3	49	<0.1	0.5	<0.1	182	1.84	0.023
3852535	Soil	0.2	166.2	3.8	72	0.6	39.8	23.2	558	4.66	32.1	0.3	938.9	0.3	56	<0.1	0.4	<0.1	193	1.86	0.023
3852536	Soil	0.5	233.0	13.6	78	0.7	33.8	22.2	559	6.12	61.7	0.3	344.9	0.5	38	0.1	0.5	0.2	171	1.16	0.027
3852537	Soil	0.4	600.5	15.3	80	2.0	26.6	30.3	619	6.62	54.3	0.3	383.3	0.6	30	0.2	0.5	0.3	140	1.40	0.039
3852538	Soil	1.7	256.1	9.7	298	0.4	25.8	41.3	1131	5.51	13.4	0.3	23.2	0.9	48	0.7	1.0	0.2	161	1.90	0.027
3852539	Soil	1.8	491.3	5.9	179	0.5	21.7	41.4	902	5.22	10.8	0.4	58.1	1.5	44	0.8	0.7	0.2	138	1.97	0.018
3852540	Soil	3.4	330.9	387.3	855	0.5	19.2	35.9	1029	5.36	8.9	0.3	140.7	0.8	37	2.3	0.6	0.2	147	1.77	0.021
3852541	Soil	3.2	414.4	14.2	340	0.6	27.5	57.6	1350	5.82	17.2	0.4	29.3	1.0	45	1.1	1.2	0.2	144	3.13	0.023
3852542	Soil	2.4	283.2	9.8	348	0.3	25.2	39.2	1238	5.10	12.8	0.4	16.4	1.0	46	1.2	0.9	0.2	142	1.71	0.020
3852543	Soil	5.2	408.3	8.5	346	0.2	23.8	51.4	1319	6.18	12.2	0.6	25.5	1.1	39	0.5	0.7	0.1	143	1.01	0.022
3852544	Soil	8.8	1019.7	9.7	343	0.8	24.2	60.7	1209	7.01	11.5	0.7	375.0	1.1	42	1.0	0.7	0.2	129	1.22	0.028
3852545	Soil	4.5	416.8	9.3	368	0.5	28.5	43.9	1248	6.31	13.8	0.7	26.9	1.6	51	0.9	0.8	0.1	147	1.55	0.015
3852546	Soil	4.3	422.5	11.9	595	1.1	29.9	57.3	1441	6.35	11.1	0.5	55.5	0.9	40	2.9	0.7	0.1	140	1.67	0.029
3852547	Soil	99.5	3289.8	7.6	68	2.9	5.5	19.6	198	29.61	41.3	0.3	501.6	0.6	4	0.3	2.9	0.7	239	0.29	0.061
3852548	Soil	2.3	565.7	9.4	393	0.8	48.5	65.5	1022	7.23	11.5	0.8	75.4	1.2	48	1.5	0.7	0.1	184	1.83	0.021
3852549	Soil	14.9	2101.5	22.3	293	1.2	37.4	180.9	2011	8.64	7.6	4.5	246.5	0.5	47	2.1	1.2	0.3	166	1.94	0.077
3852550	Soil	1.7	352.8	11.9	510	0.6	17.5	60.2	1791	7.66	12.5	0.3	38.1	0.7	72	1.9	0.6	0.2	170	1.66	0.021
3852601	Soil	0.6	475.1	21.8	94	2.0	30.9	28.3	687	8.89	71.0	0.4	264.7	0.5	34	0.2	0.7	0.4	175	1.04	0.041

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this



CERTIFICATE OF ANALYSIS

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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	0.01	0.01	0.01	0.05	1	0.5	0.2	
3852522	Soil	5	86	1.79	206	0.042	3	4.34	0.016	0.15	<0.1	0.06	30.9	<0.1	<0.05	11	1.1	0.2
3852523	Soil	4	60	1.35	146	0.099	4	4.46	0.020	0.07	<0.1	0.05	21.1	<0.1	<0.05	13	1.0	0.2
3852524	Soil	3	54	1.53	136	0.105	4	4.38	0.019	0.05	<0.1	0.04	21.9	<0.1	0.05	12	2.4	0.4
3852525	Soil	4	56	1.46	139	0.030	2	4.04	0.017	0.09	<0.1	0.06	31.4	<0.1	<0.05	11	1.6	<0.2
3852526	Soil	5	96	1.34	85	0.065	11	2.92	0.038	0.06	<0.1	0.06	17.7	<0.1	<0.05	7	1.5	0.3
3852527	Soil	4	89	1.48	66	0.076	4	3.46	0.024	0.05	<0.1	0.07	20.8	<0.1	<0.05	8	2.0	0.2
3852528	Soil	2	105	1.89	74	0.055	8	3.97	0.028	0.11	<0.1	0.03	21.3	<0.1	<0.05	9	1.3	0.4
3852529	Soil	2	111	1.85	86	0.051	14	4.20	0.022	0.08	0.1	0.05	24.0	<0.1	<0.05	10	2.0	0.5
3852530	Soil	2	103	1.70	90	0.055	8	4.17	0.015	0.09	0.1	0.04	21.0	<0.1	<0.05	10	1.6	0.3
3852531	Soil	8	59	0.86	105	0.079	6	2.48	0.026	0.09	<0.1	0.03	12.6	<0.1	<0.05	6	0.6	<0.2
3852532	Soil	2	110	0.84	33	0.036	5	4.04	0.009	0.20	0.1	0.35	52.2	<0.1	0.15	6	6.4	0.2
3852533	Soil	2	94	1.20	63	0.068	8	5.48	0.035	0.09	<0.1	0.11	26.0	<0.1	<0.05	10	5.0	0.3
3852534	Soil	1	144	1.99	33	0.070	12	4.42	0.018	0.04	<0.1	0.07	27.3	<0.1	<0.05	10	1.7	<0.2
3852535	Soil	2	165	2.33	66	0.065	11	4.91	0.036	0.05	<0.1	0.06	33.0	<0.1	<0.05	11	1.1	<0.2
3852536	Soil	2	131	1.79	106	0.049	7	4.61	0.025	0.05	<0.1	0.04	25.3	<0.1	<0.05	10	1.6	0.2
3852537	Soil	2	104	1.47	75	0.062	9	3.90	0.018	0.07	<0.1	0.07	20.0	<0.1	<0.05	9	2.1	0.3
3852538	Soil	4	61	1.51	114	0.050	3	4.01	0.030	0.07	<0.1	0.07	19.2	<0.1	<0.05	10	1.5	0.2
3852539	Soil	7	43	1.09	135	0.073	3	3.25	0.024	0.07	<0.1	0.09	16.7	<0.1	<0.05	9	1.2	0.2
3852540	Soil	3	30	1.26	72	0.068	3	4.53	0.019	0.08	<0.1	0.06	17.1	<0.1	<0.05	10	1.0	0.3
3852541	Soil	4	55	1.62	111	0.039	4	4.07	0.033	0.05	<0.1	0.09	19.7	<0.1	<0.05	8	1.7	0.2
3852542	Soil	4	53	1.48	118	0.043	4	4.05	0.025	0.07	<0.1	0.06	18.9	<0.1	<0.05	8	1.0	<0.2
3852543	Soil	5	50	1.55	118	0.040	3	3.70	0.033	0.05	<0.1	0.03	19.1	<0.1	<0.05	8	1.6	0.2
3852544	Soil	5	48	1.29	115	0.046	4	3.13	0.025	0.10	<0.1	0.05	16.6	<0.1	<0.05	7	3.2	0.3
3852545	Soil	5	62	1.56	188	0.067	4	3.97	0.028	0.07	<0.1	0.06	19.1	<0.1	<0.05	8	2.0	0.3
3852546	Soil	4	56	1.20	188	0.060	6	4.90	0.027	0.15	<0.1	0.04	18.4	<0.1	<0.05	10	1.0	0.3
3852547	Soil	7	103	0.35	16	0.024	1	1.56	0.003	0.01	<0.1	0.53	8.9	0.1	<0.05	11	25.9	1.1
3852548	Soil	4	87	1.64	167	0.115	4	5.88	0.028	0.06	<0.1	0.04	22.5	<0.1	<0.05	12	0.9	0.3
3852549	Soil	4	47	1.22	119	0.057	4	5.80	0.010	0.12	<0.1	0.11	26.1	<0.1	<0.05	10	5.4	0.7
3852550	Soil	5	39	1.44	133	0.010	2	4.53	0.013	0.12	<0.1	0.05	16.9	<0.1	<0.05	9	1.7	0.2
3852601	Soil	2	122	1.34	64	0.056	9	3.74	0.024	0.08	<0.1	0.04	26.3	<0.1	<0.05	9	2.9	0.3



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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	%	%	
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	
3852602	Soil	0.7	136.7	3.3	43	0.1	36.6	45.6	464	4.86	8.5	0.5	12.2	1.2	33	<0.1	0.5	<0.1	157	1.49	0.026
3852603	Soil	0.4	113.8	3.7	43	0.1	31.0	28.2	702	5.31	15.7	0.6	23.8	1.4	42	<0.1	0.4	<0.1	152	1.45	0.017
3852604	Soil	0.7	105.9	3.5	50	<0.1	26.2	22.8	563	3.70	9.8	0.3	2.7	1.5	40	<0.1	0.3	<0.1	120	0.92	0.019
3852605	Soil	0.5	126.1	5.1	146	0.1	22.6	15.4	472	2.90	11.0	0.4	5.5	2.9	32	0.2	0.5	<0.1	71	0.87	0.048
3852606	Soil	0.5	19.9	5.1	40	<0.1	13.3	8.2	154	1.97	5.6	0.3	1.6	2.0	18	<0.1	0.4	<0.1	54	0.27	0.013
3852607	Soil	0.5	60.7	5.3	57	<0.1	17.9	15.6	512	2.82	6.5	0.2	5.4	1.3	29	<0.1	0.2	<0.1	86	0.68	0.028
3852608	Soil	0.5	159.7	10.8	58	0.2	26.0	18.4	382	4.18	35.6	0.5	52.0	2.0	32	<0.1	0.4	0.1	106	0.67	0.022
3852609	Soil	0.4	212.1	10.7	67	0.3	24.3	20.9	522	4.36	26.7	0.4	120.4	1.1	43	<0.1	0.4	<0.1	132	1.22	0.016
3852610	Soil	0.4	119.2	5.5	59	0.1	26.4	16.5	367	3.28	13.7	0.5	18.8	2.4	32	<0.1	0.3	<0.1	91	1.13	0.044
3852611	Soil	0.7	56.7	8.7	82	0.2	25.9	11.1	363	2.93	8.8	0.7	2.8	3.4	41	<0.1	0.9	0.1	70	0.79	0.062
3852612	Soil	0.7	119.7	7.6	71	0.2	27.3	23.9	473	4.35	21.9	0.3	9.7	1.6	35	0.1	0.5	0.1	124	0.90	0.030
3852613	Soil	0.5	82.2	6.7	52	<0.1	24.6	17.5	574	3.66	14.8	0.6	19.0	2.4	28	<0.1	0.5	0.1	141	0.62	0.042
3852614	Soil	0.4	45.8	5.6	43	<0.1	21.5	9.8	270	2.23	7.2	0.6	7.3	3.7	29	<0.1	0.3	0.1	54	0.58	0.073
3852615	Soil	0.6	96.7	5.3	59	0.2	21.7	18.8	454	3.46	7.7	0.5	2.6	1.9	34	0.2	0.4	0.1	90	0.95	0.034
3852616	Soil	0.5	133.2	9.5	319	<0.1	23.9	23.2	656	4.23	5.7	0.3	7.3	1.4	47	0.3	0.4	<0.1	125	1.23	0.027
3852617	Soil	0.4	35.5	6.9	32	<0.1	15.5	6.5	173	1.90	5.1	0.5	2.2	2.9	19	<0.1	0.3	<0.1	45	0.41	0.019
3852618	Soil	0.5	44.1	3.4	41	<0.1	15.3	11.7	255	2.28	3.7	0.3	1.0	1.6	18	<0.1	0.2	<0.1	66	0.38	0.022
3852619	Soil	0.8	220.3	3.5	75	<0.1	20.1	23.0	554	3.40	8.3	0.4	9.4	1.7	46	<0.1	0.4	<0.1	109	1.03	0.026
3852620	Soil	0.6	42.8	4.8	39	<0.1	18.8	11.6	295	2.87	11.2	0.4	3.5	2.8	28	<0.1	0.5	<0.1	80	0.52	0.027
3852621	Soil	0.8	98.9	5.4	72	0.1	24.9	16.3	579	3.70	13.7	0.7	3.2	2.7	38	0.1	0.9	<0.1	109	1.09	0.056
3852622	Soil	0.7	40.3	4.5	50	0.1	17.6	13.8	452	2.98	8.0	0.2	6.7	2.1	27	<0.1	0.3	<0.1	91	0.66	0.013
3852623	Soil	0.2	127.5	2.3	72	<0.1	16.2	26.8	1105	5.95	1.8	0.4	2.5	0.9	65	<0.1	<0.1	<0.1	214	1.86	0.028
3852624	Soil	0.4	36.2	3.2	42	<0.1	15.1	9.8	368	2.60	4.1	0.4	0.5	1.9	26	<0.1	0.3	<0.1	75	0.42	0.036
3852625	Soil	0.3	121.3	2.5	67	0.1	22.1	22.5	912	5.28	3.8	0.5	3.3	1.2	67	<0.1	0.2	<0.1	183	1.65	0.030
3852626	Soil	0.4	34.6	2.6	95	0.1	14.9	15.2	789	3.88	3.6	0.4	2.9	1.1	70	0.2	0.2	<0.1	121	2.27	0.057
3852627	Soil	0.3	101.7	2.3	55	<0.1	19.9	26.2	684	5.56	5.0	0.4	1.9	1.2	47	0.2	0.1	<0.1	182	1.39	0.020
3852628	Soil	0.4	67.3	3.1	49	<0.1	17.2	18.7	621	4.18	4.4	0.4	3.0	1.4	37	0.1	0.2	0.1	137	1.51	0.039
3852629	Soil	0.2	140.9	1.6	65	0.1	15.1	25.6	956	4.66	1.6	0.4	5.5	0.6	44	0.1	<0.1	<0.1	157	2.12	0.046
3852630	Soil	0.4	132.0	1.9	86	0.1	16.4	23.8	1421	4.91	2.6	0.4	1.3	0.7	42	0.2	0.1	<0.1	167	2.20	0.090
3852631	Soil	0.4	85.5	2.2	102	<0.1	21.4	27.5	835	5.27	3.2	0.3	1.8	0.9	37	0.2	<0.1	<0.1	184	1.43	0.051



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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	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	0.05	1	0.5	0.2	
3852602	Soil			5	65	1.09	75	0.062	8	3.82	0.023	0.05	<0.1	0.06	25.0	<0.1	<0.05	9	2.3	<0.2
3852603	Soil			5	110	1.58	75	0.078	9	3.99	0.045	0.06	<0.1	0.04	23.1	<0.1	<0.05	8	0.8	<0.2
3852604	Soil			4	53	1.03	106	0.090	5	3.47	0.032	0.08	<0.1	0.02	11.6	<0.1	<0.05	7	0.8	<0.2
3852605	Soil			11	34	0.78	69	0.070	4	1.71	0.031	0.06	0.1	0.11	9.2	<0.1	<0.05	5	0.9	<0.2
3852606	Soil			6	26	0.41	83	0.070	2	1.33	0.016	0.04	0.2	<0.01	3.0	<0.1	<0.05	4	<0.5	<0.2
3852607	Soil			4	38	0.76	91	0.069	3	2.20	0.029	0.04	<0.1	0.02	7.4	<0.1	<0.05	6	<0.5	<0.2
3852608	Soil			6	64	0.93	99	0.072	5	3.18	0.028	0.06	<0.1	0.03	14.9	<0.1	<0.05	7	0.9	<0.2
3852609	Soil			5	60	1.07	94	0.094	6	2.90	0.040	0.04	<0.1	0.05	15.7	<0.1	<0.05	7	0.9	<0.2
3852610	Soil			8	66	1.02	102	0.080	9	2.51	0.031	0.07	0.1	0.06	13.8	<0.1	<0.05	6	0.6	<0.2
3852611	Soil			13	39	0.74	157	0.056	3	1.77	0.024	0.12	<0.1	0.10	8.3	0.1	<0.05	5	<0.5	<0.2
3852612	Soil			5	64	1.09	153	0.084	4	3.54	0.021	0.04	<0.1	0.02	10.1	<0.1	<0.05	8	0.5	<0.2
3852613	Soil			9	54	0.73	121	0.066	4	2.19	0.026	0.05	0.1	0.14	20.4	<0.1	<0.05	6	<0.5	<0.2
3852614	Soil			12	35	0.62	149	0.076	2	1.59	0.024	0.05	0.2	0.03	6.9	<0.1	<0.05	4	<0.5	<0.2
3852615	Soil			6	39	0.79	75	0.071	4	2.43	0.030	0.06	0.1	0.03	9.7	<0.1	<0.05	6	0.8	0.2
3852616	Soil			4	63	1.34	147	0.069	5	4.02	0.035	0.07	<0.1	0.07	18.5	<0.1	<0.05	9	0.7	0.2
3852617	Soil			9	28	0.45	69	0.077	2	1.41	0.020	0.08	0.1	0.03	5.5	<0.1	<0.05	4	<0.5	<0.2
3852618	Soil			6	33	0.60	70	0.074	3	1.99	0.022	0.07	<0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
3852619	Soil			7	39	0.72	131	0.070	6	2.77	0.031	0.12	<0.1	0.08	12.5	<0.1	<0.05	7	<0.5	<0.2
3852620	Soil			9	35	0.57	112	0.088	3	1.76	0.021	0.12	0.1	0.02	10.2	0.1	<0.05	5	<0.5	<0.2
3852621	Soil			13	48	1.08	146	0.085	4	2.39	0.023	0.10	<0.1	0.09	16.3	0.1	<0.05	6	<0.5	<0.2
3852622	Soil			6	39	0.64	152	0.080	4	2.51	0.018	0.16	<0.1	0.03	9.2	<0.1	<0.05	6	<0.5	<0.2
3852623	Soil			4	30	1.72	107	0.219	5	4.76	0.095	0.10	<0.1	0.02	29.0	<0.1	<0.05	15	<0.5	<0.2
3852624	Soil			6	25	0.57	112	0.087	2	2.06	0.032	0.08	0.1	0.01	6.1	<0.1	<0.05	6	<0.5	<0.2
3852625	Soil			4	42	1.52	127	0.176	4	4.85	0.073	0.06	<0.1	0.03	24.2	<0.1	<0.05	12	<0.5	<0.2
3852626	Soil			4	24	1.37	151	0.157	7	5.70	0.043	0.09	<0.1	0.03	13.9	0.1	<0.05	14	<0.5	<0.2
3852627	Soil			4	33	1.34	90	0.132	13	4.36	0.055	0.26	<0.1	0.05	26.7	<0.1	<0.05	11	<0.5	<0.2
3852628	Soil			6	31	1.06	115	0.092	11	3.02	0.031	0.12	<0.1	0.03	15.5	<0.1	<0.05	7	<0.5	<0.2
3852629	Soil			3	15	1.41	45	0.172	20	3.46	0.111	0.05	<0.1	0.03	19.5	<0.1	<0.05	9	<0.5	<0.2
3852630	Soil			5	19	1.47	79	0.158	15	3.53	0.062	0.05	<0.1	0.06	19.9	<0.1	<0.05	10	<0.5	<0.2
3852631	Soil			4	31	1.67	94	0.195	8	4.63	0.027	0.06	<0.1	0.05	19.4	<0.1	<0.05	12	<0.5	<0.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this



Bureau Veritas Commodities Canada Ltd.

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CERTIFICATE OF ANALYSIS

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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	ppb	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
3852632	Soil	0.2	74.1	1.8	71	<0.1	14.1	20.9	684	4.46	1.7	0.2	1.5	0.8	28	<0.1	<0.1	<0.1	160	1.27	0.030
3852633	Soil	0.3	107.6	2.2	49	<0.1	16.7	20.1	584	4.16	4.0	0.4	2.7	0.9	94	0.1	0.1	<0.1	135	1.56	0.032
3852634	Soil	0.6	76.5	3.8	48	<0.1	23.0	16.6	373	3.94	6.5	0.5	2.4	2.7	44	<0.1	0.4	<0.1	134	0.81	0.014
3852635	Soil	0.7	63.3	4.8	47	<0.1	21.1	15.6	416	3.53	9.3	0.4	2.7	2.5	34	<0.1	0.5	<0.1	112	0.66	0.015
3852636	Soil	0.4	107.8	3.1	51	<0.1	16.1	18.0	643	3.76	7.3	0.3	5.2	1.4	55	<0.1	0.3	<0.1	125	1.76	0.028
3852637	Soil	0.3	133.2	1.5	55	<0.1	18.4	25.7	994	4.75	4.7	0.2	6.1	0.8	70	0.2	<0.1	<0.1	165	5.26	0.040



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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	
3852632	Soil	3	21	1.31	71	0.173	8	3.34	0.032	0.05	<0.1	0.02	15.2	<0.1	<0.05	10	<0.5	<0.2
3852633	Soil	4	23	1.21	94	0.147	8	3.53	0.136	0.16	<0.1	0.02	16.1	<0.1	<0.05	9	<0.5	<0.2
3852634	Soil	8	45	1.02	139	0.101	4	3.44	0.032	0.05	0.1	0.03	18.4	<0.1	<0.05	8	<0.5	<0.2
3852635	Soil	8	47	0.80	137	0.099	3	2.61	0.021	0.13	<0.1	0.03	14.7	<0.1	<0.05	7	<0.5	<0.2
3852636	Soil	5	34	1.17	124	0.096	7	3.24	0.044	0.09	<0.1	0.04	16.5	<0.1	<0.05	8	<0.5	<0.2
3852637	Soil	3	51	1.63	58	0.032	15	2.73	0.032	0.06	<0.1	0.07	28.3	<0.1	<0.05	8	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI21000245.1

MethodAnalyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Moppm	Cuppm	Pbppm	Zn ppm	Agppm	Nippm	Coppm	Mn ppm	Fe ppm	Asppm	U ppm	Au ppm	ppb	Thppm	Srppm	Cdppm	Sbppm	Bippm	V ppm	Ca ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	0.1	0.1
Pulp Duplicates																					
3852427	Soil	0.5	148.7	4.2	43	<0.1	23.8	16.1	437	3.89	6.6	0.5	3.2	3.1	41	<0.1	0.4	0.1	135	1.24	0.019
REP 3852427	QC	0.4	140.9	4.0	39	<0.1	23.1	15.0	433	3.84	6.8	0.4	2.7	2.9	40	<0.1	0.4	<0.1	126	1.16	0.016
3852463	Soil	0.3	46.6	2.8	35	<0.1	13.5	10.3	364	2.30	4.2	0.2	2.4	1.3	22	<0.1	0.2	<0.1	78	0.47	0.029
REP 3852463	QC	0.4	44.5	2.7	33	<0.1	13.6	10.6	380	2.42	3.8	0.2	1.5	1.2	22	<0.1	0.2	<0.1	81	0.47	0.031
3852508	Soil	8.8	994.5	13.6	811	4.9	22.5	46.1	1298	7.70	12.0	0.5	173.2	1.0	48	2.4	1.1	0.2	125	2.05	0.023
REP 3852508	QC	9.1	1003.5	14.1	844	4.8	23.6	48.4	1339	8.23	12.5	0.5	185.5	0.8	48	2.4	1.2	0.2	131	2.00	0.025
3852515	Soil	3.5	427.9	16.8	1659	2.2	38.5	56.0	2102	9.52	14.1	0.3	58.9	0.8	90	6.1	1.1	0.1	190	4.59	0.020
REP 3852515	QC	3.5	443.9	17.9	1747	2.3	40.2	56.6	2175	9.73	15.5	0.3	57.5	0.9	90	6.4	1.4	0.1	202	4.49	0.021
3852546	Soil	4.3	422.5	11.9	595	1.1	29.9	57.3	1441	6.35	11.1	0.5	55.5	0.9	40	2.9	0.7	0.1	140	1.67	0.029
REP 3852546	QC	4.2	446.4	12.0	633	1.1	31.4	60.0	1567	6.88	11.5	0.5	59.9	1.0	45	2.8	0.7	0.2	158	1.72	0.029
3852628	Soil	0.4	67.3	3.1	49	<0.1	17.2	18.7	621	4.18	4.4	0.4	3.0	1.4	37	0.1	0.2	0.1	137	1.51	0.039
REP 3852628	QC	0.4	65.0	3.1	48	<0.1	16.9	18.5	598	3.90	4.7	0.4	1.7	1.4	36	0.2	0.2	0.1	133	1.45	0.036
Reference Materials																					
STD BVGEO01	Standard	11.1	4416.1	201.5	1716	2.6	170.0	25.6	742	3.90	127.0	4.1	220.5	17.7	55	6.1	3.4	25.7	77	1.43	0.076
STD BVGEO01	Standard	10.1	4199.6	178.7	1568	2.5	152.6	24.1	643	3.41	112.7	3.3	197.6	13.2	51	5.9	3.3	22.3	71	1.20	0.073
STD DS11	Standard	14.4	135.1	132.4	357	1.9	80.8	14.7	934	3.28	46.3	2.5	59.6	7.8	73	2.4	8.5	11.6	53	1.08	0.078
STD DS11	Standard	14.9	145.4	136.4	325	1.7	79.8	14.1	1014	3.23	41.8	2.7	61.7	9.0	67	2.4	7.8	11.2	51	1.01	0.069
STD DS11	Standard	13.2	130.0	124.2	300	1.7	72.1	13.2	948	2.91	41.7	2.2	66.8	7.2	63	2.2	8.0	10.5	49	1.02	0.070
STD DS11	Standard	15.8	148.8	140.2	353	1.8	80.3	14.1	982	3.34	46.2	2.6	94.3	8.9	70	2.5	9.2	12.2	52	1.11	0.073
STD OREAS262	Standard	0.7	100.4	54.8	146	0.5	60.3	27.2	474	3.27	38.1	1.1	63.8	8.9	37	0.5	5.2	0.9	24	2.95	0.042
STD OREAS262	Standard	0.7	120.3	62.2	154	0.5	65.0	28.3	557	3.53	39.0	1.3	65.2	10.9	36	0.6	5.2	1.1	24	3.27	0.041
STD OREAS262	Standard	0.7	113.8	59.3	142	0.5	66.0	28.6	542	3.48	36.3	1.3	59.2	10.7	35	0.7	4.6	1.0	24	3.03	0.039
STD OREAS262	Standard	0.7	106.4	53.2	140	0.5	63.7	27.2	551	3.53	35.3	1.1	65.1	8.5	34	0.6	5.4	0.9	20	2.90	0.041
STD OREAS262	Standard	0.6	110.4	52.3	141	0.5	62.3	27.2	480	3.26	35.9	1.1	71.3	8.3	32	0.6	5.9	0.9	19	2.77	0.041
STD OREAS262	Standard	0.7	115.3	57.8	147	0.5	65.6	28.2	550	3.55	38.3	1.2	62.8	10.0	38	0.7	5.3	1.1	23	3.02	0.041
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 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 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

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this



QUALITY CONTROL REPORT

WHI21000245.1

MethodAnalyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
Unit	Lppm	Crppm	Mg	Bppm	Ti	B	Al	Na	K	W	Hg	ppm	Scppm	Tlppm	S	Gppm	Seppm	Teppm	
MDL	1	1	0.01	1	0.001	ppm	%0.01	%0.001	%0.01	ppm0.1	0.01	0.1	0.1	0.1	%0.05	1	0.5	0.2	
Pulp Duplicates																			
3852427 Soil	8	77	1.12	145	0.116	5	3.97	0.025	0.10	<0.1	0.13	17.6	<0.1	<0.05	10	<0.5	<0.2		
REP 3852427 QC	8	76	1.05	141	0.109	5	3.76	0.023	0.09	<0.1	0.12	17.2	<0.1	<0.05	10	<0.5	<0.2		
3852463 Soil	4	33	0.59	98	0.064	2	1.82	0.027	0.03	<0.1	0.02	6.3	<0.1	<0.05	5	<0.5	<0.2		
REP 3852463 QC	4	34	0.58	95	0.068	2	1.92	0.028	0.03	<0.1	0.02	6.1	<0.1	<0.05	5	<0.5	<0.2		
3852508 Soil	4	44	1.28	145	0.006	2	4.02	0.016	0.10	<0.1	0.05	17.0	<0.1	<0.05	10	3.4	0.4		
REP 3852508 QC	4	44	1.37	150	0.006	2	4.23	0.017	0.10	<0.1	0.05	15.8	<0.1	<0.05	10	2.9	0.4		
3852515 Soil	3	62	2.26	159	0.019	2	5.63	0.023	0.07	<0.1	0.11	25.1	<0.1	0.06	14	2.4	0.4		
REP 3852515 QC	3	65	2.20	169	0.025	2	5.85	0.022	0.08	<0.1	0.11	25.1	<0.1	<0.05	14	2.7	0.5		
3852546 Soil	4	56	1.20	188	0.060	6	4.90	0.027	0.15	<0.1	0.04	18.4	<0.1	<0.05	10	1.0	0.3		
REP 3852546 QC	4	60	1.16	194	0.060	6	4.72	0.026	0.15	<0.1	0.04	18.6	<0.1	<0.05	10	0.8	0.3		
3852628 Soil	6	31	1.06	115	0.092	11	3.02	0.031	0.12	<0.1	0.03	15.5	<0.1	<0.05	7	<0.5	<0.2		
REP 3852628 QC	6	31	1.04	111	0.091	11	2.79	0.030	0.12	<0.1	0.02	15.8	<0.1	<0.05	7	<0.5	<0.2		
Reference Materials																			
STD BVGEO01 Standard	28	192	1.26	310	0.236	3	2.20	0.191	0.97	5.6	0.09	6.6	0.7	0.71	7	4.7	1.2		
STD BVGEO01 Standard	23	167	1.19	293	0.213	3	2.20	0.187	0.85	5.1	0.07	6.7	0.6	0.62	7	3.9	0.8		
STD DS11 Standard	18	62	0.89	379	0.093	8	1.27	0.076	0.42	3.2	0.28	3.7	4.9	0.23	5	1.7	4.9		
STD DS11 Standard	19	61	0.84	358	0.095	6	1.17	0.077	0.40	2.8	0.25	3.4	4.6	0.26	5	1.8	4.5		
STD DS11 Standard	16	58	0.79	358	0.084	7	1.06	0.069	0.37	2.8	0.26	3.2	4.5	0.23	5	2.1	4.6		
STD DS11 Standard	18	60	0.85	391	0.090	7	1.19	0.071	0.41	3.3	0.26	3.4	5.1	0.26	5	2.4	4.8		
STD OREAS262 Standard	16	45	1.21	261	0.003	4	1.25	0.073	0.30	0.2	0.16	3.3	0.5	0.19	4	<0.5	0.2		
STD OREAS262 Standard	19	45	1.17	274	0.003	3	1.27	0.069	0.32	0.2	0.16	3.7	0.5	0.28	4	<0.5	0.3		
STD OREAS262 Standard	18	48	1.14	257	0.003	4	1.32	0.068	0.32	0.2	0.17	3.3	0.5	0.26	4	<0.5	0.2		
STD OREAS262 Standard	15	41	1.09	252	0.003	4	1.13	0.062	0.29	0.2	0.14	3.1	0.4	0.20	4	<0.5	<0.2		
STD OREAS262 Standard	15	40	1.12	245	0.003	4	1.18	0.064	0.28	0.2	0.16	2.9	0.4	0.20	4	<0.5	0.2		
STD OREAS262 Standard	16	43	1.23	260	0.003	4	1.30	0.068	0.30	0.2	0.17	3.4	0.5	0.24	4	<0.5	0.2		
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 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 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		



Bureau Veritas Commodities Canada Ltd.

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Client: Ryan Burke

60 Boswell Crescent

Project: KT

Report Date: August 27, 2021

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Part:

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QUALITY CONTROL REPORT

WHI21000245.1

		AQ201	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	
BLK	Blank	<0.1	<0.1	0.3	<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	
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	



BUREAU VERITAS MINERAL LABORATORIES
Canada

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
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Client: Ryan Burke

60 Boswell Crescent

Project: Report Date: KT
August 27, 2021

Page: 2 of 2 Part: 2 of 2

QUALITY CONTROL REPORT

WHI21000245.1

		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
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



BUREAU VERITAS MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.

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Client: Ryan Burke

60 Boswell Crescent

Submitted By: Ryan Burke Canada-
Receiving Lab: Whitehorse July 23,
Received: 2021

Analysis Start: August 10, 2021

Report Date: September 07, 2021

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CERTIFICATE OF ANALYSIS

WHI21000249.1

CLIENT JOB INFORMATION

Project:	KT	Procedure Code
Shipment ID:		PRP70-250
P.O. Number Number		AQ201
of Samples:	74	SHP01

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
74	Crush, split and pulverize 250 g rock to 200 mesh			WHI
74	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
74	Per sample shipping charges for branch shipments			VAN

SAMPLE DISPOSAL

ADDITIONAL COMMENTS

IMM-PLP Return immediately after analysisReturn
IMM-RJT immediately after analysis

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: Michael Burke


JEFFREY CANNON
Geochemistry Department Supervisor



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-2150

Client: **Ryan Burke**

60 Boswell Crescent

Project: KT

Report Date: September 07, 2021

Page: 2 of 4 Part:

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CERTIFICATE OF ANALYSIS

WHI21000249.1

Method	Analyte	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Unit		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	1	0.01
3852230	Rock	0.84	0.1	3804.2	2.8	202	0.7	12.0	89.6	1495	5.40	2.2	0.1	354.0	0.5	10	0.9	<0.1	<0.1	270	2.01	
3852231	Rock	1.17	3.1	6400.2	6.4	578	9.8	22.8	65.6	1305	15.76	0.8	<0.1	2023.3	0.2	7	1.5	0.5	0.2	345	0.60	
3852232	Rock	2.60	2.0	4070.4	2.3	258	0.8	24.3	73.1	1584	5.40	3.4	0.3	163.9	0.2	14	1.5	0.1	<0.1	255	2.83	
3852233	Rock	1.95	0.1	533.8	2.8	37	<0.1	12.2	9.1	529	13.30	0.6	0.3	15.6	0.4	10	<0.1	0.2	<0.1	182	0.42	
3852234	Rock	1.67	17.1	6120.2	7.6	672	3.4	37.4	365.7	1113	13.42	<0.5	0.3	833.7	0.3	4	3.0	0.4	0.3	218	2.63	
3852235	Rock	1.18	3.2	5406.8	5.8	643	<0.1	49.1	273.8	2317	1.88	3.4	1.7	11.5	1.8	83	4.3	<0.1	<0.1	28	12.16	
3852236	Rock	0.71	73.3	1244.4	22.2	102	41.7	2.2	34.7	217	15.33	15.1	0.3	52421.3	0.4	41	0.2	1.9	8.1	180	0.82	
3852237	Rock	0.59	2.9	812.3	5.3	47	1.1	7.3	46.3	910	9.50	1.4	0.2	1157.0	0.4	3	<0.1	<0.1	0.2	196	0.94	
3852238	Rock	0.91	1.9	>10000	7.6	792	6.7	36.8	110.4	1708	10.48	2.7	0.2	1051.9	0.2	8	3.6	0.5	0.4	273	2.28	
3852239	Rock	0.89	3.3	4275.5	4.8	3753	0.9	31.4	89.8	3424	5.51	16.0	0.7	35.8	0.3	10	20.1	0.3	<0.1	159	6.18	
3852240	Rock	0.78	2.2	740.0	2.5	32	0.8	1.2	6.5	61	8.90	3.1	0.1	635.3	0.4	5	0.1	<0.1	0.1	97	0.11	
3852241	Rock	0.56	5.8	5973.9	5.1	156	3.8	5.4	17.6	395	6.26	3.4	0.3	204.1	0.3	20	0.3	0.1	0.2	56	0.60	
3852242	Rock	0.83	6.7	2781.1	4.9	83	2.7	4.4	9.4	196	6.46	2.2	0.4	178.5	0.2	21	<0.1	0.1	0.2	51	0.29	
3852243	Rock	0.82	6.9	1640.5	1.4	139	0.2	20.9	48.4	706	2.19	1.3	0.3	16.1	0.2	19	0.6	<0.1	<0.1	35	0.88	
3852244	Rock	1.25	0.8	1106.5	11.7	74	1.1	16.8	55.0	806	10.84	8.6	0.4	9.3	0.3	11	0.2	0.4	0.1	196	1.56	
3852245	Rock	0.86	1.0	204.5	7.5	135	0.2	18.1	44.1	1520	12.67	3.2	0.3	10.5	0.3	27	0.2	0.2	<0.1	213	1.67	
3852246	Rock	1.31	0.3	345.2	15.1	1210	1.4	6.2	18.6	494	14.44	45.7	<0.1	73.2	0.2	1	3.8	2.3	<0.1	112	0.45	
3852247	Rock	1.20	0.5	173.4	8.9	46	0.5	11.1	25.4	874	17.97	35.1	0.1	327.8	0.2	5	<0.1	0.2	0.9	285	0.16	
3852248	Rock	0.84	2.2	173.8	24.7	37	1.0	2.9	8.9	306	19.84	91.4	<0.1	1624.7	0.2	3	<0.1	0.9	1.5	263	0.09	
3852249	Rock	1.02	0.7	26.7	1.7	49	<0.1	21.3	20.9	606	8.19	<0.5	0.2	7.0	0.3	47	<0.1	0.1	0.2	195	1.70	
3852250	Rock	1.21	0.9	192.0	2.5	67	0.2	20.3	19.1	303	7.20	3.0	0.2	34.9	0.2	112	0.3	0.1	0.1	157	1.57	
3852351	Rock	1.05	5.0	1133.4	2.6	229	0.4	42.1	256.7	2205	8.11	3.4	0.4	50.0	0.3	24	1.3	0.2	0.1	205	3.18	
3852352	Rock	1.66	14.3	972.8	5.2	158	0.6	20.9	142.9	1272	12.35	6.9	0.3	112.5	0.3	13	0.5	0.3	0.2	186	0.64	
3852353	Rock	1.60	141.3	1180.9	12.5	102	2.7	3.4	22.5	122	22.30	16.6	<0.1	1603.9	<0.1	5	0.2	0.5	0.6	71	0.06	
3852354	Rock	1.90	72.6	913.6	8.9	84	2.2	3.6	24.2	203	17.63	18.2	<0.1	1284.4	0.2	5	0.1	0.4	0.6	99	0.06	
3852355	Rock	1.92	56.0	751.5	5.4	56	1.6	2.6	19.9	321	13.61	11.7	0.1	927.5	0.2	5	<0.1	0.2	0.3	113	0.08	
3852356	Rock	1.52	80.7	671.1	9.1	100	1.7	3.3	29.0	260	11.85	6.9	0.2	680.5	0.2	9	0.5	0.2	0.3	73	0.15	
3852357	Rock	1.33	0.4	563.1	3.2	242	0.4	40.3	24.3	729	3.17	2.8	<0.1	8.6	0.2	12	2.9	0.1	<0.1	107	4.09	
3852358	Rock	2.01	0.4	15.7	0.9	21	<0.1	4.8	10.5	469	4.12	2.3	<0.1	4.7	0.3	53	<0.1	0.1	<0.1	202	3.86	
3852360	Rock	1.22	0.9	126.1	2.9	39	0.2	15.8	26.0	508	10.94	3.1	0.1	28.7	0.1	9	<0.1	<0.1	<0.1	193	3.07	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this



CERTIFICATE OF ANALYSIS

WHI21000249.1

Method	AQ201	AQ201	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	
3852230	Rock	0.063	1	71	2.76	8	0.082	4	3.11	0.049	0.02	0.5	0.03	14.0	<0.1	0.43	10	0.9	<0.2
3852231	Rock	0.047	<1	41	2.57	8	0.032	2	3.17	0.008	0.02	1.0	0.25	18.5	<0.1	0.18	12	21.0	1.9
3852232	Rock	0.173	2	42	2.85	13	0.071	4	3.30	0.042	0.01	0.2	0.05	12.3	<0.1	1.00	8	6.4	0.5
3852233	Rock	0.035	2	67	1.11	33	0.185	2	2.04	0.077	0.03	0.4	<0.01	9.5	<0.1	0.21	14	0.6	<0.2
3852234	Rock	0.016	4	57	2.38	8	0.022	3	3.21	0.018	0.06	0.3	0.13	8.0	0.4	6.67	12	25.9	0.7
3852235	Rock	0.016	30	6	0.31	77	0.011	3	4.09	0.032	0.13	<0.1	<0.01	6.9	<0.1	2.77	9	1.8	<0.2
3852236	Rock	0.023	2	16	0.13	90	0.042	4	0.95	0.020	0.13	0.5	1.79	5.3	2.0	1.00	4	>100	11.1
3852237	Rock	0.031	<1	103	1.93	12	0.076	2	2.76	0.028	0.07	1.0	0.05	13.4	<0.1	1.23	11	15.2	0.3
3852238	Rock	0.025	1	108	2.59	7	0.069	2	2.84	0.017	0.02	0.2	0.23	20.0	<0.1	0.61	10	16.8	1.8
3852239	Rock	0.030	6	102	2.98	11	0.018	3	3.94	0.031	0.08	0.6	0.21	23.4	0.2	0.25	11	0.9	0.3
3852240	Rock	0.009	<1	127	0.12	24	0.109	5	0.59	0.071	0.16	0.1	0.03	1.4	<0.1	0.32	6	11.5	0.2
3852241	Rock	0.066	<1	41	0.50	51	0.115	4	2.11	0.086	0.15	1.4	0.23	3.2	<0.1	0.84	6	14.6	1.8
3852242	Rock	0.023	<1	34	0.26	58	0.126	3	1.29	0.059	0.13	0.3	0.18	1.5	<0.1	0.54	5	13.3	1.4
3852243	Rock	0.038	<1	39	0.72	32	0.054	4	2.12	0.121	0.11	1.8	0.02	4.1	<0.1	<0.05	4	<0.5	0.4
3852244	Rock	0.040	1	21	1.28	24	0.172	2	3.27	0.043	0.03	0.2	0.07	16.0	<0.1	3.45	12	13.9	0.4
3852245	Rock	0.037	1	74	2.67	27	0.223	3	4.79	0.018	0.03	0.2	0.33	22.9	0.1	0.09	12	0.6	<0.2
3852246	Rock	0.013	<1	44	1.07	5	0.007	<1	1.84	0.002	0.02	0.4	1.94	9.6	<0.1	4.66	8	4.1	0.6
3852247	Rock	0.027	<1	205	3.13	6	0.162	1	4.55	0.005	<0.01	<0.1	2.71	27.3	<0.1	0.54	16	4.1	7.0
3852248	Rock	0.027	<1	66	1.49	3	0.144	3	2.43	<0.001	<0.01	<0.1	2.24	11.1	<0.1	0.35	16	8.5	10.7
3852249	Rock	0.031	1	57	1.96	33	0.251	3	3.98	0.045	0.04	<0.1	0.38	16.5	<0.1	1.54	9	5.9	0.5
3852250	Rock	0.027	<1	74	1.07	103	0.163	3	3.58	0.076	0.06	<0.1	0.45	8.6	<0.1	0.53	8	4.0	0.4
3852351	Rock	0.033	3	54	2.44	36	0.079	3	5.06	0.030	0.10	<0.1	0.07	22.1	<0.1	0.22	12	4.2	0.3
3852352	Rock	0.029	2	70	1.99	25	0.084	3	3.92	0.027	0.08	0.1	0.17	20.1	0.1	0.26	12	13.4	0.4
3852353	Rock	0.011	<1	30	0.11	25	0.016	3	0.87	0.075	0.17	0.2	0.40	2.5	0.2	0.65	5	37.7	1.0
3852354	Rock	0.017	<1	35	0.33	28	0.019	3	1.11	0.060	0.15	0.2	0.34	4.3	0.2	0.54	6	41.6	1.1
3852355	Rock	0.020	1	34	0.65	26	0.024	4	1.53	0.051	0.14	0.2	0.17	7.0	0.1	0.36	7	28.8	0.7
3852356	Rock	0.014	<1	33	0.38	35	0.091	2	1.09	0.148	0.15	1.0	0.08	3.2	<0.1	0.52	5	25.9	0.8
3852357	Rock	0.003	<1	127	1.92	8	0.088	4	3.01	0.044	0.03	0.3	0.34	20.9	<0.1	0.34	10	2.9	<0.2
3852358	Rock	0.046	2	8	1.36	63	0.165	544	5.07	0.022	0.01	0.2	0.21	17.3	<0.1	0.61	12	<0.5	<0.2
3852360	Rock	0.023	<1	36	1.59	17	0.140	6	3.31	0.019	0.01	0.3	0.87	14.3	<0.1	7.25	10	11.6	2.1



CERTIFICATE OF ANALYSIS

WHI21000249.1

Method	Analyte	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Unit		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	
3852361	Rock	0.93	0.8	46.4	1.1	17	<0.1	4.5	13.5	298	5.44	<0.5	0.1	2.5	0.2	17	<0.1	<0.1	<0.1	203	1.47	
3852362	Rock	1.06	1.2	115.4	1.5	23	0.2	2.8	5.1	455	4.34	2.2	0.2	16.3	0.8	54	<0.1	0.1	0.5	123	4.38	
3852369	Rock	0.58	0.2	472.1	3.3	113	0.4	30.4	60.5	1125	7.23	5.1	0.2	6.0	0.2	18	0.6	0.2	<0.1	219	1.54	
3852370	Rock	0.68	0.2	25.3	2.0	82	<0.1	6.9	11.7	3846	3.12	9.5	<0.1	13.1	0.2	45	0.4	0.2	<0.1	66	24.73	
3852371	Rock	1.40	0.4	617.7	3.6	448	2.8	9.5	14.1	2133	15.84	49.6	<0.1	76.4	0.2	2	1.1	0.4	0.3	184	0.52	
3852372	Rock	1.50	0.6	386.0	2.9	1118	2.0	18.6	63.2	5573	6.61	55.1	<0.1	171.7	0.1	39	7.2	0.6	<0.1	90	22.99	
3852373	Rock	0.38	0.2	5747.6	19.1	90	7.0	26.8	45.2	512	11.89	27.6	0.3	130.2	0.4	6	0.7	1.0	0.2	114	1.22	
3852374	Rock	1.12	16.1	442.5	11.1	132	0.8	30.7	202.5	1233	9.27	1.2	1.1	14.1	0.3	13	0.7	1.6	0.2	658	6.04	
3852375	Rock	1.49	0.6	649.4	44.7	4183	1.2	17.1	51.7	931	7.01	73.5	<0.1	39.9	0.3	20	27.9	1.0	<0.1	167	11.91	
3852376	Rock	1.80	0.7	667.0	3.3	188	0.6	22.9	43.3	1033	6.10	<0.5	<0.1	11.4	0.2	3	1.1	0.5	<0.1	190	3.54	
3852377	Rock	0.92	0.3	1371.3	14.2	108	2.4	11.6	9.3	901	14.29	244.3	0.2	162.4	0.2	7	0.5	0.7	0.3	263	0.48	
3852378	Rock	1.01	0.5	524.8	21.2	68	2.5	8.2	6.4	252	16.09	10.2	<0.1	321.0	0.2	11	<0.1	1.6	0.6	269	0.51	
3852379	Rock	1.19	0.3	1459.3	3.0	49	5.7	6.4	5.2	784	13.63	13.8	<0.1	437.2	0.2	7	<0.1	0.4	0.2	166	0.27	
3852380	Rock	1.30	1.4	176.8	0.6	101	0.3	28.1	24.6	366	4.70	28.1	0.1	12.4	0.2	84	0.3	0.1	<0.1	97	2.29	
3852381	Rock	1.31	0.6	541.3	2.9	17	0.2	5.4	18.2	203	10.06	<0.5	<0.1	21.4	0.2	20	<0.1	0.1	0.1	153	1.41	
3852382	Rock	0.84	35.0	1770.1	1.7	750	1.9	7.1	24.1	1270	12.78	3.6	0.4	159.3	0.2	6	2.9	<0.1	0.2	230	0.66	
3852383	Rock	2.04	32.1	7514.3	131.4	769	7.7	16.9	106.9	1893	12.33	20.0	0.8	318.7	0.6	4	2.0	0.3	0.4	249	0.43	
3852384	Rock	1.89	20.9	4438.0	36.3	870	3.7	20.8	101.1	1808	14.89	9.9	0.8	125.0	0.5	3	2.6	0.4	0.2	273	0.37	
3852385	Rock	1.63	31.7	2143.8	20.5	411	3.4	14.1	83.3	1091	13.27	21.0	0.4	201.1	0.4	4	1.2	0.3	0.2	185	0.33	
3852386	Rock	1.88	9.4	4883.6	42.6	1529	4.6	21.1	132.7	1757	7.83	60.0	0.8	354.3	0.6	12	6.6	0.5	0.2	168	1.19	
3852387	Rock	1.52	4.6	2165.1	2.3	141	1.3	15.4	30.2	1078	17.02	0.8	0.4	1139.0	0.4	5	0.4	0.1	0.4	232	1.69	
3852388	Rock	2.78	1.6	3824.4	3.1	531	0.7	38.1	112.8	2961	6.76	1.8	1.0	42.2	0.4	13	2.8	<0.1	<0.1	250	4.20	
3852389	Rock	2.26	7.7	2258.4	8.3	368	0.8	20.1	74.5	2070	7.64	<0.5	0.8	201.7	0.5	16	1.5	0.2	<0.1	248	1.51	
3852390	Rock	2.36	30.4	1697.2	22.8	581	3.9	23.7	181.5	2456	10.47	55.3	0.4	246.4	0.3	6	1.8	0.5	0.2	213	0.86	
3852391	Rock	1.80	32.2	2212.0	6.2	370	4.5	14.7	104.5	1730	12.74	30.3	0.3	259.6	0.3	9	1.3	0.3	0.3	190	2.38	
3852392	Rock	1.87	23.2	951.0	41.2	1181	1.8	18.1	128.4	1786	12.98	54.9	0.4	207.4	0.3	9	4.1	0.6	0.2	203	1.51	
3852393	Rock	2.57	32.2	1405.1	7.4	97	2.1	10.4	72.9	841	11.92	9.7	0.3	173.8	0.3	10	0.4	0.1	0.3	182	2.32	
3852394	Rock	1.89	5.4	2727.6	3.9	240	0.7	35.8	239.7	2188	6.93	<0.5	0.9	200.5	1.0	72	0.9	0.2	0.2	194	4.20	
3852395	Rock	2.18	10.7	2064.6	7.7	300	0.9	22.7	148.4	1323	7.16	<0.5	1.4	282.1	2.5	155	0.9	0.2	0.2	135	2.61	
3852396	Rock	2.49	12.0	2258.3	5.1	365	0.8	27.2	203.5	1813	9.28	<0.5	1.0	107.7	1.1	89	0.9	0.3	0.2	232	1.11	



CERTIFICATE OF ANALYSIS

WHI21000249.1

Method	AQ201	AQ201	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	
3852361	Rock	0.049	1	9	1.62	31	0.213	13	2.40	0.052	0.04	0.9	1.24	16.9	<0.1	3.48	8	25.1	<0.2
3852362	Rock	0.048	2	9	1.32	101	0.171	7	5.94	0.010	0.03	0.2	0.24	12.2	<0.1	1.29	13	2.0	0.4
3852369	Rock	0.033	<1	65	1.78	28	0.088	5	3.88	0.153	0.05	0.4	0.06	14.5	<0.1	2.72	9	4.6	0.4
3852370	Rock	0.016	2	7	1.40	10	0.053	3	2.74	0.002	0.02	<0.1	<0.01	7.7	<0.1	0.08	6	<0.5	<0.2
3852371	Rock	0.026	<1	43	2.25	15	0.011	4	4.44	0.001	0.08	<0.1	0.41	15.3	0.1	1.03	14	2.7	1.2
3852372	Rock	0.014	2	28	1.55	10	0.030	3	3.00	0.002	0.06	<0.1	0.16	10.3	<0.1	1.22	7	2.0	0.9
3852373	Rock	0.012	1	203	1.49	14	0.073	5	2.07	0.055	0.06	<0.1	0.14	12.2	<0.1	0.37	8	9.2	1.4
3852374	Rock	0.004	1	171	2.22	5	0.221	3	2.05	0.003	<0.01	0.1	0.10	62.7	0.1	4.67	10	17.4	0.6
3852375	Rock	0.017	2	127	1.16	10	0.131	8	5.06	0.005	<0.01	<0.1	0.64	19.4	<0.1	1.35	15	5.7	0.6
3852376	Rock	0.031	1	60	1.80	6	0.139	7	4.69	0.017	0.02	<0.1	0.05	19.8	<0.1	0.98	12	3.4	0.3
3852377	Rock	0.018	<1	215	3.03	13	0.084	4	5.05	0.002	0.03	0.1	0.06	36.7	<0.1	0.09	12	2.5	0.4
3852378	Rock	0.028	<1	292	0.99	11	0.123	5	1.81	0.002	0.08	<0.1	0.12	16.6	<0.1	0.08	11	17.3	0.3
3852379	Rock	0.020	<1	89	1.82	13	0.012	4	3.31	0.001	0.09	<0.1	0.04	17.1	<0.1	0.11	11	4.9	0.6
3852380	Rock	0.025	<1	50	1.62	53	0.106	10	3.85	0.164	0.03	<0.1	0.04	12.4	<0.1	0.35	9	2.1	<0.2
3852381	Rock	0.021	<1	37	1.07	50	0.103	6	3.04	0.150	0.07	<0.1	0.02	12.6	<0.1	2.03	13	9.7	0.4
3852382	Rock	0.019	2	349	2.20	15	0.006	5	3.34	0.005	0.09	<0.1	0.08	21.7	<0.1	0.10	12	5.8	0.3
3852383	Rock	0.030	5	117	3.10	19	0.029	4	5.16	0.010	0.14	<0.1	0.12	17.2	0.2	0.33	15	9.4	1.1
3852384	Rock	0.034	5	111	2.96	16	0.045	5	5.00	0.010	0.11	<0.1	0.12	25.8	0.3	0.38	17	14.0	0.6
3852385	Rock	0.032	3	58	1.68	22	0.005	4	3.09	0.009	0.18	<0.1	0.07	11.7	0.2	0.22	12	12.4	0.3
3852386	Rock	0.044	6	59	2.22	38	0.002	5	3.51	0.011	0.23	<0.1	0.19	13.0	<0.1	0.13	10	4.6	0.3
3852387	Rock	0.032	3	132	1.88	17	0.097	3	2.56	0.025	0.05	0.2	0.04	21.1	0.1	1.18	11	6.1	0.5
3852388	Rock	0.034	5	168	3.52	16	0.054	3	4.24	0.043	0.06	<0.1	0.03	33.1	<0.1	0.88	12	1.8	<0.2
3852389	Rock	0.045	3	34	2.78	42	0.105	5	4.45	0.041	0.13	<0.1	0.02	23.6	<0.1	0.41	12	4.4	0.2
3852390	Rock	0.029	7	81	2.78	23	0.014	5	4.60	0.015	0.18	<0.1	0.10	18.7	<0.1	0.13	13	5.6	0.4
3852391	Rock	0.026	8	72	1.90	21	0.006	6	3.31	0.014	0.16	<0.1	0.13	12.6	0.2	0.23	13	9.6	0.5
3852392	Rock	0.034	6	62	2.09	26	0.009	4	3.85	0.024	0.19	<0.1	0.16	16.0	0.2	0.26	12	11.7	0.4
3852393	Rock	0.022	4	53	1.15	31	0.027	4	2.52	0.015	0.17	0.1	0.06	10.4	0.5	0.77	11	20.5	0.7
3852394	Rock	0.031	5	69	2.18	69	0.055	4	4.28	0.126	0.11	<0.1	0.02	24.0	0.2	2.22	10	4.1	0.2
3852395	Rock	0.036	13	29	1.51	130	0.032	5	3.49	0.173	0.19	<0.1	0.02	8.2	0.1	1.11	11	11.0	0.2
3852396	Rock	0.030	7	69	2.60	174	0.028	3	4.53	0.053	0.12	<0.1	0.02	16.1	<0.1	0.80	14	9.9	0.2



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Report Date: September 07, 2021

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CERTIFICATE OF ANALYSIS

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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	%	
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		
3852951	Rock	0.83	0.4	1223.6	3.0	322	2.1	21.6	141.5	1868	9.86	84.3	0.3	29.8	0.1	6	1.2	0.5	<0.1	336	3.27	
3852952	Rock	1.19	18.9	2915.8	1.7	60	3.1	3.8	40.7	575	12.06	48.7	0.2	176.6	0.3	<1	<0.1	0.2	0.2	416	0.05	
3852953	Rock	0.79	0.4	39.2	15.0	37	<0.1	2.9	7.2	255	1.21	2.2	3.2	0.9	7.8	536	<0.1	<0.1	0.3	23	2.36	
3852954	Rock	2.12	57.2	915.0	25.3	193	1.9	13.9	78.0	1490	14.66	7.5	0.1	642.7	0.4	10	0.5	0.3	0.4	149	0.62	
3852955	Rock	1.96	61.3	818.9	8.9	37	1.2	4.2	21.0	452	17.69	2.0	0.1	702.6	0.3	14	<0.1	<0.1	0.4	165	0.05	
3852956	Rock	2.06	59.2	741.4	9.4	55	0.8	10.3	74.7	954	14.46	6.1	0.2	333.9	0.2	11	0.1	<0.1	0.3	171	0.35	
3852957	Rock	1.71	19.0	2203.9	28.9	981	2.8	12.0	74.3	1238	18.31	43.5	0.1	2328.9	0.2	3	3.3	0.4	0.5	222	0.51	
3852958	Rock	1.63	32.1	1116.6	30.0	625	0.9	24.2	216.0	2234	11.75	20.8	0.2	90.8	0.3	5	2.2	0.4	0.2	254	1.27	
3852959	Rock	0.68	8.9	8823.2	45.3	1007	18.1	20.6	199.3	5829	6.01	178.5	0.9	574.5	0.3	21	5.5	1.5	<0.1	167	10.85	
3852960	Rock	1.28	0.1	169.9	16.4	33	2.0	33.1	36.4	761	5.86	18.0	0.2	5.9	0.3	52	<0.1	0.2	0.2	152	3.01	
3852961	Rock	1.94	0.4	324.7	7.4	73	0.7	15.1	21.0	647	6.88	4.6	0.2	9.3	0.2	102	0.1	<0.1	0.4	159	2.45	
3852962	Rock	1.05	0.1	118.9	5.1	241	0.5	11.9	16.2	1834	5.44	6.0	0.2	1.6	0.3	143	0.7	<0.1	<0.1	133	2.62	
3852963	Rock	1.21	0.3	183.0	4.4	58	0.5	10.9	23.4	1450	4.18	22.2	0.3	5.6	0.1	87	0.2	0.2	<0.1	182	9.74	
3852964	Rock	0.55	1.0	1279.2	3.4	34	0.4	3.0	10.3	170	26.44	9.8	<0.1	78.0	0.2	3	<0.1	<0.1	<0.1	238	0.10	



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-2150

Client: **Ryan Burke**

60 Boswell Crescent

Project: KT

Report Date: September 07, 2021

Page: 4 of 4 Part:

2 of 2

CERTIFICATE OF ANALYSIS

WHI21000249.1

Method	Analyte	Unit	MDL	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
				%	ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
				0.001	1	1	0.01	1	0.001	0.01	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2		
3852951	Rock			0.009	3	492	4.57	4	0.015	2	5.07	0.001	<0.01	<0.1	0.02	36.1	<0.1	0.63	18	2.8	<0.2
3852952	Rock			0.012	1	982	2.99	2	0.020	1	3.42	0.001	<0.01	<0.1	0.03	38.2	<0.1	0.70	17	13.1	0.5
3852953	Rock			0.032	19	12	0.42	732	0.031	4	3.20	0.722	0.43	<0.1	<0.01	3.1	<0.1	0.25	7	<0.5	<0.2
3852954	Rock			0.022	<1	77	1.26	34	0.005	4	2.47	0.080	0.20	<0.1	0.05	15.0	0.1	0.49	9	28.1	0.8
3852955	Rock			0.020	<1	113	1.04	30	0.061	2	1.84	0.140	0.14	0.1	0.03	9.4	0.1	0.78	11	26.8	0.7
3852956	Rock			0.015	<1	141	1.49	27	0.091	2	2.61	0.098	0.14	0.2	0.02	19.8	<0.1	0.67	10	26.7	0.7
3852957	Rock			0.024	<1	112	1.88	18	0.023	2	2.95	0.017	0.13	<0.1	0.14	17.3	<0.1	0.79	14	25.8	1.0
3852958	Rock			0.047	2	80	2.58	16	0.016	5	4.46	0.015	0.09	<0.1	0.07	21.9	<0.1	0.23	13	6.8	0.4
3852959	Rock			0.023	8	80	2.45	15	0.015	<1	3.31	0.026	0.08	0.1	0.26	20.8	0.1	0.70	10	4.9	0.5
3852960	Rock			0.039	<1	66	2.58	51	0.140	5	5.36	0.425	0.05	<0.1	0.10	10.1	<0.1	2.88	12	4.6	0.5
3852961	Rock			0.037	1	52	2.21	103	0.181	2	5.11	0.393	0.04	0.1	0.25	14.7	<0.1	1.34	13	9.9	1.0
3852962	Rock			0.051	2	15	2.69	117	0.132	<1	6.18	0.419	0.04	0.1	0.02	13.8	<0.1	1.32	14	0.6	<0.2
3852963	Rock			0.006	<1	26	3.88	32	0.004	2	0.76	0.019	0.01	<0.1	0.08	17.9	<0.1	<0.05	2	<0.5	<0.2
3852964	Rock			0.022	<1	175	0.55	9	0.069	<1	1.19	0.008	0.07	<0.1	0.07	7.6	<0.1	0.37	20	<0.5	<0.2



QUALITY CONTROL REPORT

WHI21000249.1

MethodAnalyte	Unit	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	MDL	Wgt kg	Moppm	Cuppm	Pbppm	Zn ppm	Agppm	Nippm	Coppm	Mn ppm	Fe %0.01	Asppm	U ppm	Au ppb	Thppm	Srppm	Cdppm	Sbppm	Bippm	V ppm	Ca %0.01
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.5	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	1	1
Pulp Duplicates																					
3852360	Rock	1.22	0.9	126.1	2.9	39	0.2	15.8	26.0	508	10.94	3.1	0.1	28.7	0.1	9	<0.1	<0.1	<0.1	193	3.07
REP 3852360	QC		1.0	121.0	3.0	40	0.2	15.6	26.8	523	10.96	2.3	0.1	31.9	0.1	9	<0.1	0.1	0.1	201	3.24
3852955	Rock	1.96	61.3	818.9	8.9	37	1.2	4.2	21.0	452	17.69	2.0	0.1	702.6	0.3	14	<0.1	<0.1	0.4	165	0.05
REP 3852955	QC		61.0	823.6	8.5	36	1.1	4.1	20.6	457	17.52	2.0	0.1	639.5	0.2	12	<0.1	<0.1	0.3	166	0.05
3852964	Rock	0.55	1.0	1279.2	3.4	34	0.4	3.0	10.3	170	26.44	9.8	<0.1	78.0	0.2	3	<0.1	<0.1	<0.1	238	0.10
REP 3852964	QC		1.3	1284.1	3.5	34	0.4	3.1	10.6	167	25.31	9.6	<0.1	65.4	0.2	3	<0.1	<0.1	<0.1	248	0.09
Core Reject Duplicates																					
3852362	Rock	1.06	1.2	115.4	1.5	23	0.2	2.8	5.1	455	4.34	2.2	0.2	16.3	0.8	54	<0.1	0.1	0.5	123	4.38
DUP 3852362	QC		1.1	106.1	1.3	22	0.1	2.3	4.5	416	4.08	4.5	0.2	11.3	0.8	50	<0.1	0.2	0.5	112	3.88
3852956	Rock	2.06	59.2	741.4	9.4	55	0.8	10.3	74.7	954	14.46	6.1	0.2	333.9	0.2	11	0.1	<0.1	0.3	171	0.35
DUP 3852956	QC		59.9	736.0	9.2	54	0.8	10.2	71.2	976	14.67	7.2	0.2	335.6	0.2	11	0.1	<0.1	0.4	174	0.37
Reference Materials																					
STD BVGEO01	Standard		10.9	4474.2	202.7	1786	2.7	160.6	25.0	735	3.77	127.1	4.0	229.1	15.7	61	6.9	2.9	26.7	73	1.37
STD DS11	Standard		13.6	155.8	135.3	352	1.8	82.6	14.2	1093	3.25	45.7	2.7	89.0	8.0	60	2.4	7.3	11.5	51	1.10
STD DS11	Standard		15.2	161.3	143.4	361	1.7	76.1	13.5	1044	3.10	40.9	2.6	83.3	8.3	68	2.4	8.7	12.4	49	1.04
STD OREAS262	Standard		0.6	115.6	56.5	154	0.5	68.6	30.3	571	3.39	38.0	1.3	52.7	9.7	33	0.7	3.6	1.0	22	3.15
STD OREAS262	Standard		0.7	122.4	58.9	151	0.5	64.0	27.4	546	3.32	38.1	1.3	60.8	10.6	37	0.7	3.9	1.0	22	3.03
STD OREAS262	Standard		0.6	107.8	53.6	147	0.4	57.9	25.8	509	3.01	32.4	1.1	60.4	8.5	32	0.6	4.1	1.0	19	2.82
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 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	0.3	<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	0.2	<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
Prep Wash																					
ROCK-WHI	Prep Blank		0.7	1.3	1.0	26	<0.1	0.6	3.6	443	1.70	2.3	0.4	<0.5	2.1	16	<0.1	<0.1	<0.1	22	0.47
ROCK-WHI	Prep Blank		0.5	1.4	0.9	25	<0.1	0.6	4.8	423	1.64	<0.5	0.4	<0.5	2.1	16	<0.1	<0.1	<0.1	20	0.48



Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
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QUALITY CONTROL REPORT

WHI21000249.1

MethodAnalyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Unit	P	Lppm	Crppm	Mg	Bppm	Ti	B	Al	Na	K	W	Hg	ppm	Scppm	Tippm	S	Gppm	Seppm	Teppm
MDL	%0.001	1	1	%0.01	1	%0.001	ppm	%0.01	%0.001	%0.01	ppm0.1	0.01	0.1	0.1	%0.05	1	0.5	0.2	
Pulp Duplicates																			
3852360	Rock	0.023	<1	36	1.59	17	0.140	6	3.31	0.019	0.01	0.3	0.87	14.3	<0.1	7.25	10	11.6	2.1
REP 3852360	QC	0.024	<1	39	1.62	18	0.151	7	3.37	0.020	0.01	0.4	0.87	15.0	<0.1	7.39	10	12.3	2.0
3852955	Rock	0.020	<1	113	1.04	30	0.061	2	1.84	0.140	0.14	0.1	0.03	9.4	0.1	0.78	11	26.8	0.7
REP 3852955	QC	0.017	<1	110	1.05	30	0.060	3	1.82	0.141	0.13	0.1	0.04	8.5	0.1	0.78	11	23.2	0.5
3852964	Rock	0.022	<1	175	0.55	9	0.069	<1	1.19	0.008	0.07	<0.1	0.07	7.6	<0.1	0.37	20	<0.5	<0.2
REP 3852964	QC	0.024	<1	166	0.54	10	0.067	<1	1.18	0.008	0.07	<0.1	0.07	7.6	<0.1	0.38	20	<0.5	<0.2
Core Reject Duplicates																			
3852362	Rock	0.048	2	9	1.32	101	0.171	7	5.94	0.010	0.03	0.2	0.24	12.2	<0.1	1.29	13	2.0	0.4
DUP 3852362	QC	0.048	2	7	1.23	99	0.172	6	5.44	0.009	0.03	0.2	0.23	11.2	<0.1	1.21	12	2.0	0.4
3852956	Rock	0.015	<1	141	1.49	27	0.091	2	2.61	0.098	0.14	0.2	0.02	19.8	<0.1	0.67	10	26.7	0.7
DUP 3852956	QC	0.016	<1	149	1.52	27	0.096	3	2.71	0.098	0.14	0.2	0.03	20.4	<0.1	0.66	10	24.9	0.7
Reference Materials																			
STD BVGEO01	Standard	0.074	29	195	1.33	299	0.236	6	2.36	0.204	0.88	5.1	0.10	6.1	0.6	0.65	7	4.6	0.9
STD DS11	Standard	0.074	18	63	0.89	351	0.099	8	1.21	0.075	0.42	2.8	0.26	3.2	4.6	0.30	5	1.6	4.2
STD DS11	Standard	0.070	19	60	0.85	386	0.090	10	1.12	0.070	0.39	3.1	0.26	3.3	4.9	0.28	5	1.6	4.7
STD OREAS262	Standard	0.042	17	49	1.23	254	0.003	4	1.38	0.071	0.32	0.2	0.17	3.8	0.5	0.28	4	<0.5	0.2
STD OREAS262	Standard	0.037	20	44	1.19	255	0.003	5	1.37	0.068	0.33	0.1	0.16	3.3	0.5	0.26	4	0.8	0.3
STD OREAS262	Standard	0.037	14	39	1.12	223	0.003	6	1.12	0.062	0.27	0.2	0.14	3.0	0.4	0.24	3	<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 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
Prep Wash																			
ROCK-WHI	Prep Blank	0.037	6	4	0.41	44	0.063	6	0.68	0.067	0.07	2.3	<0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
ROCK-WHI	Prep Blank	0.037	6	4	0.40	42	0.060	4	0.69	0.074	0.07	11.2	<0.01	2.2	<0.1	<0.05	3	<0.5	<0.2



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bvna.com/mining-laboratory-serv

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Ryan Burke

60 Boswell Crescent

Submitted By: Ryan Burke Canada-
Receiving Lab: WhitehorseOctober
Received: 14, 2021

Analysis Start: October 27, 2021

Report Date: November 10, 2021

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI21000635.1

CLIENT JOB INFORMATION

Project: KT
Shipment ID:
P.O. Number
Number of Samples: 3

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	3	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	3	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SVRJT	3	Save all or part of Soil Reject			WHI
SHP01	3	Per sample shipping charges for branch shipments			VAN
AQ370	1	1:1:1 Aqua Regia Digestion ICP-ES Finish	1	Completed	VAN

SAMPLE DISPOSAL

IMM-PLP Return immediately after analysis
IMM-RJT Return immediately after analysis

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: Michael Burke


SOFIA DEVOTA
XRF Manager



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-2158

Client: Ryan Burke

60 Boswell Crescent

Project: KT

Report Date: November 10, 2021

Page: 2 of 2

Part:

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CERTIFICATE OF ANALYSIS

WHI21000635.1

Method	AQ201																				
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	F	
Analyte	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
Unit																					
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	
3853018	Till	1.3	>10000	12.2	673	2.2	67.1	165.7	1371	9.98	12.0	0.9	1308.9	1.9	50	5.2	0.5	0.2	128	1.10	0.059
3853019	Till	0.7	1230.4	5.7	142	0.4	22.4	21.7	525	3.89	8.5	0.6	139.8	2.5	24	1.3	0.4	<0.1	100	0.62	0.012
3853020	Till	1.4	1463.1	9.0	263	0.7	25.8	54.2	613	6.91	15.3	0.4	506.9	2.1	18	0.9	0.5	0.1	135	0.45	0.030



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-2158

Client: Ryan Burke

60 Boswell Crescent

Project: KT

Report Date: November 10, 2021

Page: 2 of 2 Part:

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CERTIFICATE OF ANALYSIS

WHI21000635.1

Method	AQ201																				AQ370
	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu			
Analyte	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%			
Unit																					
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001			
3853018	Till	8	56	1.15	129	0.067	2	4.58	0.036	0.06	<0.1	0.25	23.2	<0.1	0.11	7	6.8	1.0	1.389		
3853019	Till	8	38	0.79	74	0.075	2	2.38	0.021	0.04	<0.1	0.11	15.7	<0.1	<0.05	6	1.1	<0.2			
3853020	Till	6	52	0.96	67	0.033	1	3.65	0.010	0.04	<0.1	0.05	10.8	0.1	<0.05	9	1.5	0.3			



Bureau Veritas Commodities Canada Ltd.

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QUALITY CONTROL REPORT

WHI21000635.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
Unit		Moppm	Cuppm	Pbppm	Zn ppm	Agppm	Nippm	Coppm	Mn	Fe	Asppm	U	Au	ppb	Thppm	Srppm	Cdppm	Sbppm	Bippm	V	Ca	P
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	ppm	%0.01	0.5	ppm	0.1	0.5	0.1	1	0.1	0.1	0.1	ppm	%0.01	%0.001
Reference Materials																						
STD CDN-ME-9A	Standard																					
STD CDN-ME-14A	Standard																					
STD DS11	Standard	13.8	133.1	144.0	320	1.8	67.4	12.5	902	2.89	44.4	2.8	82.4	9.1	67	2.7	7.3	12.3	45	0.99	0.069	
STD OREAS262	Standard	0.6	111.3	61.4	148	0.5	56.9	25.5	498	3.36	36.9	1.4	53.0	10.5	37	0.6	4.4	1.1	21	2.71	0.041	
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	0.070	
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	
STD CDN-ME-9A Expected																						
STD CDN-ME-14A Expected																						
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																					



Bureau Veritas Commodities Canada Ltd.
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Client: Ryan Burke

60 Boswell Crescent

Project: Report Date: KT
November 10, 2021

Page: 1 of 1 Part: 2 of 2

QUALITY CONTROL REPORT

WHI21000635.1

MethodAnalyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ370
	Lappm	Crppm	Mg	Bappm	Ti	B	Al	Na	K	W	Hg	ppm	Scppm	Tlppm	S	Gappm	Seppm	Teppm	Cu
	1	1	%0.01	1	%0.001	ppm	%0.01	%0.001	%0.01	ppm	0.1	0.01	0.1	0.1	%0.05	1	0.5	0.2	%0.001
						1													
Reference Materials																			
STD CDN-ME-9A Standard																			0.676
STD CDN-ME-14A Standard																			1.290
STD DS11 Standard	19	53	0.84	399	0.092	7	1.12	0.063	0.39	2.8	0.28	3.1	5.1	0.18	5	2.1	4.3		
STD OREAS262 Standard	19	43	1.22	268	0.003	5	1.42	0.060	0.34	0.2	0.19	3.5	0.5	0.23	4	0.6	0.3		
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 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		
STD CDN-ME-9A Expected																			0.654
STD CDN-ME-14A Expected																			1.24
BLK Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2		
BLK Blank																			<0.001



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Ryan Burke

60 Boswell Crescent

Submitted By: Ryan Burke Canada-
Receiving Lab: WhitehorseOctober
Received: 14, 2021

Analysis Start: November 02, 2021

Report Date: November 16, 2021

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI21000636.1

CLIENT JOB INFORMATION

Project:	KT	Procedure Code
Shipment ID:		PRP70-250
P.O. Number Number		AQ201
of Samples:	13	BAT01

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
	13	Crush, split and pulverize 250 g rock to 200 mesh			WHI
	13	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
	1	Batch charge of <50 samples			VAN
SLBHP	0	Sort, label and box pulps			WHI

SAMPLE DISPOSAL

IMM-PLP Return immediately after analysis
IMM-RJT Return immediately after analysis

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: Michael Burke





Bureau Veritas Commodities Canada Ltd.

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Client: Ryan Burke

60 Boswell Crescent

Project: KT

Report Date: November 16, 2021

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CERTIFICATE OF ANALYSIS

WHI21000636.1

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	0.01		
3853092	Rock	0.57	0.7	8845.8	7.2	243	8.7	19.5	108.9	1652	12.17	18.3	0.1	4375.0	0.8	7	0.6	0.2	0.2	204	1.71	
3853093	Rock	2.00	2.7	5213.0	2.1	323	1.0	37.1	64.2	1002	4.43	<0.5	0.4	84.2	0.4	42	1.5	<0.1	<0.1	108	1.45	
3853094	Rock	2.00	3.1	6700.0	3.2	270	1.5	29.8	77.9	1192	4.99	<0.5	0.5	100.9	0.5	45	1.1	0.1	<0.1	127	1.51	
3853095	Rock	1.40	3.0	3498.2	4.9	218	1.4	25.4	59.4	1022	6.13	3.7	0.5	161.2	1.0	31	0.7	0.2	<0.1	120	0.88	
3853096	Rock	1.74	4.5	4780.9	5.8	286	1.7	22.4	57.1	1173	5.68	<0.5	0.5	214.0	0.6	41	1.0	0.1	0.1	110	1.77	
3853097	Rock	1.45	3.6	3700.7	2.1	145	1.0	14.6	42.0	634	4.32	<0.5	0.4	120.4	0.4	33	0.6	<0.1	<0.1	66	0.74	
3853098	Rock	1.57	2.1	4631.9	3.9	197	0.4	36.5	88.5	1513	4.58	<0.5	0.5	36.2	0.6	33	0.8	<0.1	<0.1	145	1.38	
3853099	Rock	0.69	1.5	4446.9	1.6	257	0.2	21.4	54.9	2637	3.88	<0.5	0.8	85.3	0.6	58	1.5	<0.1	<0.1	236	4.63	
3853100	Rock	0.44	2.3	2275.9	3.3	58	0.5	63.9	140.8	584	9.00	<0.5	0.6	34.5	0.5	12	0.1	<0.1	<0.1	76	0.26	
3853021	Rock	0.88	14.7	1002.6	2.9	76	0.3	9.0	19.5	877	8.71	4.0	0.4	18.4	0.5	23	0.2	0.2	0.1	156	4.36	
3853022	Rock	1.16	0.6	6366.7	11.0	771	0.3	49.4	137.9	3230	5.31	4.4	1.0	19.5	0.3	12	4.7	0.1	<0.1	234	5.21	
3853105	Rock	0.98	1.6	315.4	13.5	172	0.4	15.0	32.6	1368	13.62	7.3	0.4	68.6	0.3	27	0.4	0.4	0.2	200	1.42	
3853106	Rock	1.01	0.5	189.0	1.0	75	<0.1	22.2	19.3	1372	4.71	0.9	0.1	11.7	0.2	119	0.1	<0.1	<0.1	156	4.23	



Bureau Veritas Commodities Canada Ltd.

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Client: Ryan Burke

60 Boswell Crescent

Project: KT

Report Date: November 16, 2021

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CERTIFICATE OF ANALYSIS

WHI21000636.1

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	0.05	1	0.5	0.2	
3853092	Rock	0.040	1	145	2.63	18	0.089	2	3.92	0.018	0.13	<0.1	0.27	12.6	<0.1	1.38	11	18.8	2.5
3853093	Rock	0.038	1	85	1.61	78	0.100	4	4.00	0.172	0.13	<0.1	0.11	13.6	<0.1	0.09	9	3.5	0.6
3853094	Rock	0.038	1	72	1.60	102	0.103	3	4.19	0.178	0.11	<0.1	0.13	15.1	<0.1	0.59	9	6.2	0.8
3853095	Rock	0.055	2	67	1.29	70	0.091	2	3.28	0.077	0.14	<0.1	0.10	12.6	<0.1	0.10	8	3.5	0.7
3853096	Rock	0.066	2	52	1.03	74	0.098	4	2.86	0.120	0.12	<0.1	0.23	12.8	<0.1	0.16	7	6.5	1.1
3853097	Rock	0.052	1	49	0.71	75	0.088	4	2.25	0.134	0.12	<0.1	0.14	6.4	<0.1	0.21	5	3.7	0.9
3853098	Rock	0.035	1	83	1.74	56	0.099	3	3.71	0.146	0.11	<0.1	0.08	19.9	<0.1	0.24	8	2.5	0.5
3853099	Rock	0.022	1	94	2.63	85	0.138	3	4.44	0.247	0.06	<0.1	0.06	35.6	<0.1	0.07	10	0.6	0.7
3853100	Rock	0.008	<1	146	0.71	34	0.158	3	2.05	0.078	0.12	<0.1	0.13	2.9	<0.1	3.50	6	17.3	0.8
3853021	Rock	0.025	1	59	1.66	48	0.036	2	4.00	0.041	0.07	<0.1	0.03	29.0	<0.1	3.69	8	7.0	0.4
3853022	Rock	0.038	6	173	3.24	9	0.033	1	3.88	0.033	0.05	<0.1	0.01	37.2	<0.1	1.41	11	0.5	<0.2
3853105	Rock	0.032	1	108	2.55	30	0.225	4	4.25	0.023	0.03	<0.1	0.86	21.3	0.1	0.06	13	1.3	0.3
3853106	Rock	0.038	1	51	2.22	269	0.185	7	5.10	0.212	0.05	<0.1	0.10	13.3	<0.1	0.10	10	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI21000636.1

Method	Analyte	Unit	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		MDL	Wgt kg	Moppm	Cuppm	Pbppm	Zn ppm	Agppm	Nippm	Coppm	Mn ppm	Fe %0.01	Asppm	U ppm	Au ppb	Thppm	Srppm	Cdppm	Sbppm	Bippm	V ppm	Ca %0.01
			0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	0.1	1	1
Pulp Duplicates																						
3853092	Rock		0.57	0.7	8845.8	7.2	243	8.7	19.5	108.9	1652	12.17	18.3	0.1	4375.0	0.8	7	0.6	0.2	0.2	204	1.71
REP 3853092	QC			0.8	8617.8	7.3	244	8.6	19.6	111.2	1610	11.71	18.9	0.1	4649.4	0.4	7	0.6	0.2	0.2	200	1.67
Core Reject Duplicates																						
3853095	Rock		1.40	3.0	3498.2	4.9	218	1.4	25.4	59.4	1022	6.13	3.7	0.5	161.2	1.0	31	0.7	0.2	<0.1	120	0.88
DUP 3853095	QC			3.4	3423.5	5.0	224	1.4	24.4	59.3	1011	6.07	3.8	0.5	185.9	0.7	31	0.7	0.2	<0.1	121	0.88
Reference Materials																						
STD DS11	Standard			15.7	149.0	145.1	343	1.9	83.2	14.5	1043	3.13	48.4	3.1	73.7	9.9	78	3.0	9.3	13.4	49	1.08
STD OREAS262	Standard			0.7	113.9	59.3	154	0.5	66.0	27.6	540	3.20	37.9	1.4	56.7	10.8	40	0.7	4.4	1.1	22	2.82
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	0.5	<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			1.6	3.6	1.1	26	<0.1	1.4	3.4	470	1.79	1.4	0.5	<0.5	2.5	20	<0.1	<0.1	<0.1	22	0.54
ROCK-WHI	Prep Blank			1.6	3.5	1.1	27	<0.1	1.7	3.5	468	1.85	1.1	0.6	<0.5	3.0	22	<0.1	<0.1	<0.1	23	0.56



QUALITY CONTROL REPORT

WHI21000636.1

Method	Analyte	Unit	AQ201 P	AQ201 Lppm	AQ201 Crppm	AQ201 Mg	AQ201 Bppm	AQ201 Ti	AQ201 B ppm	AQ201 Al	AQ201 Na	AQ201 K	AQ201 W	AQ201 Hg ppm	AQ201 Scppm	AQ201 Tlppm	AQ201 S	AQ201 Gppm	AQ201 Seppm	AQ201 Teppm
MDL			%0.001	1	1	%0.01	1	%0.001	ppm	%0.01	%0.001	%0.01	ppm	0.1	0.1	0.1	%0.05	1	0.5	0.2
Pulp Duplicates																				
3853092	Rock		0.040	1	145	2.63	18	0.089	2	3.92	0.018	0.13	<0.1	0.27	12.6	<0.1	1.38	11	18.8	2.5
REP 3853092	QC		0.043	1	149	2.58	18	0.087	3	3.87	0.016	0.12	<0.1	0.30	11.6	<0.1	1.32	11	18.8	2.7
Core Reject Duplicates																				
3853095	Rock		0.055	2	67	1.29	70	0.091	2	3.28	0.077	0.14	<0.1	0.10	12.6	<0.1	0.10	8	3.5	0.7
DUP 3853095	QC		0.057	2	66	1.29	74	0.100	4	3.30	0.084	0.15	<0.1	0.09	13.0	<0.1	0.10	8	3.7	1.0
Reference Materials																				
STD DS11	Standard		0.080	21	64	0.86	390	0.109	7	1.19	0.078	0.40	3.1	0.27	3.4	5.3	0.28	5	2.6	5.2
STD OREAS262	Standard		0.044	18	44	1.19	259	0.003	5	1.34	0.069	0.31	0.1	0.14	3.5	0.5	0.26	4	<0.5	0.3
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
Prep Wash																				
ROCK-WHI	Prep Blank		0.041	7	7	0.42	48	0.085	2	0.77	0.088	0.08	<0.1	<0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
ROCK-WHI	Prep Blank		0.038	7	8	0.44	51	0.095	2	0.80	0.093	0.08	<0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2



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Client: **Ryan Burke**

60 Boswell Crescent

Project: KT

Report Date: November 16, 2021

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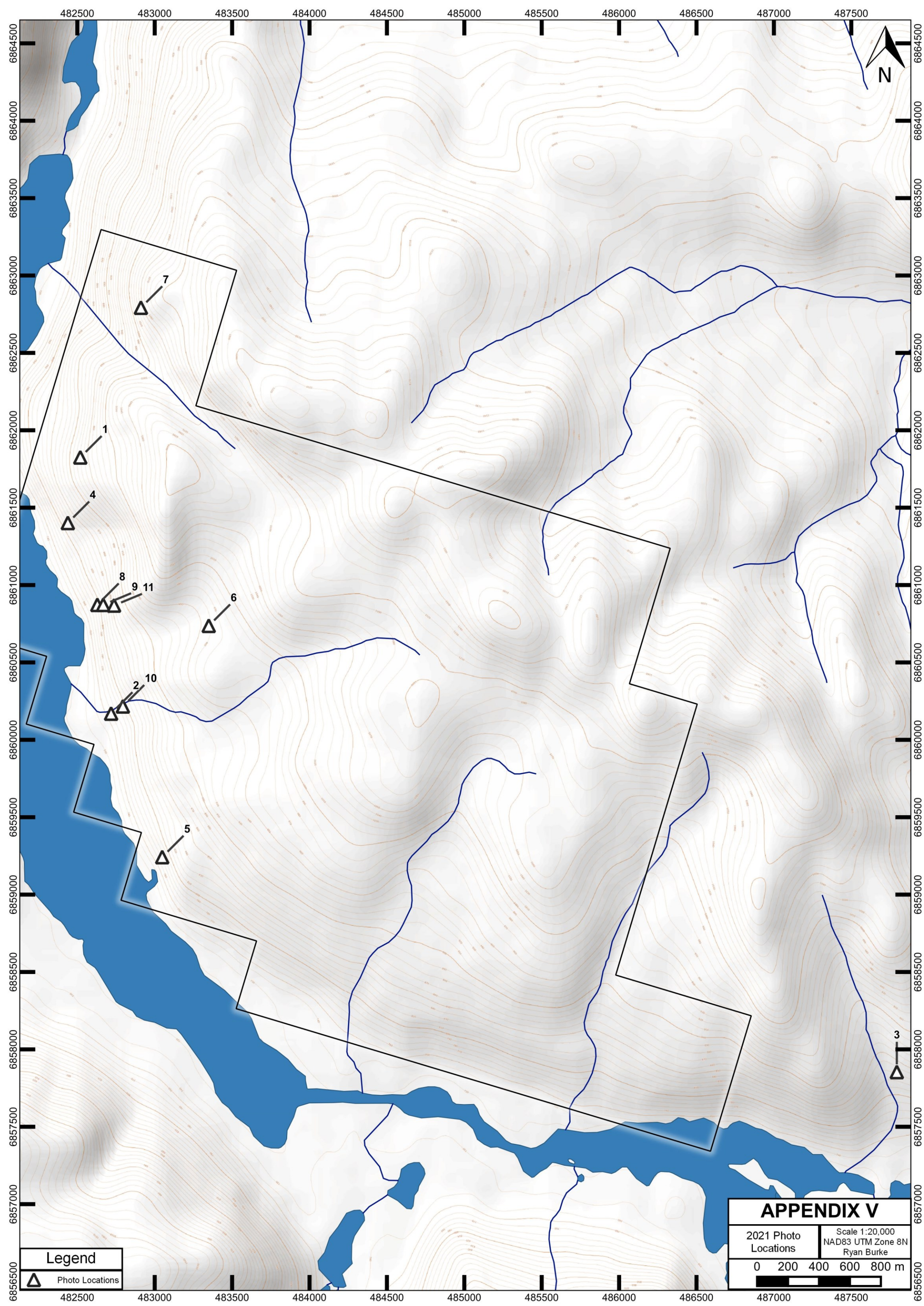
Part:

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QUALITY CONTROL REPORT

WHI21000636.1

APPENDIX V – REPORT PHOTO LOCATIONS



Legend

 Photo Locations

APPENDIX V

2021 Photo Locations	Scale 1:20,000 NAD83 UTM Zone 8N Ryan Burke
0 200 400 600 800 m	

