

YMEP TECHNICAL REPORT
YMEP No. 21-046
HARDROCK - FOCUSED REGIONAL

2021 SOIL SAMPLING and PROSPECTING

on the

Golden Crux Project

Whitehorse Mining District, Yukon Territory

for

Druid Exploration Inc.

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NTS Mapsheets: 115k10

UTM Coordinates: E515000, N6945000 (NAD83, Zone7)

Claim filed: unstaked

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Dates worked performed: September 6th, 2021 to September 11th, 2021

TABLE OF CONTENTS

1.0 Summary	4
2.0 Introduction	5
3.0 Property Location and Access	5
4.0 Physiography, Vegetation, and Climate	7
5.0 Property Description	7
6.0 Property History	8
7.0 Geology	
7.1 Surficial Geology	11
7.2 Regional Geology	13
7.3 Property Geology	17
8.0 2021 Prospecting and Soil Sampling Program	
8.1 Summary of Prospecting and Soil Sampling Program.....	18
8.2 Sampling Methodology.....	18
8.3 Sample Preparation, Analysis, and QA/QC.....	18
8.4 Prospecting and Soil Sampling Results	19
9.0 Conclusions and Recommendations.....	28
References	29
Statement of Expenditures.....	29
Certificates of Qualifications.....	30

Figures and Photos

Figure 1: Location Map of the Golden Crux Project	6
Figure 2: Mineral Occurrences in the Golden Crux area	8
Figure 3: Scottie Creek SMA Mineral Assessment area.....	10
Figure 4: Surficial Geology	12
Figure 5: Regional Bedrock Geology	14
Figure 6: District Scale Geology	15
Figure 7: District Scale Magnetic Map	16
Figure 8: Property Geology	17
Figure 9: Sample Location Map	20
Figure 10: Sample Geochemistry – Gold	21
Figure 11: Surface Geochemistry – Arsenic.....	22
Figure 12: Surface Geochemistry – Silver	23
Figure 13: Surface Geochemistry – Lead	24
Figure 14: Surface Geochemistry – Zinc	25
Figure 15: Surface Geochemistry – Molybdenum	26
Figure 16: Surface Geochemistry – Antimony	27
Photo 1: Physiography of the Golden Crux area.....	7

TABLE OF CONTENTS (CONTINUED)

Appendices

Appendix I: Rock Grab Sample Descriptions.....31
Appendix II: Soil Sample Descriptions.....33
Appendix III: Rock Grab Sample Assay Certificates40
Appendix IV: Soil Sample Assay Certificates46
Appendix V: YMEP Final Submission Form74

Digital Data

Sample location and assay master excel file

1.0 SUMMARY

A soil sampling and prospecting program was conducted at the Golden Crux project between September 6th and September 11th, 2021. The program consisted of the collection of 327 soil samples and 4 prospecting grab samples. The project is un-staked and located in the Scottie Creek area of the Whitehorse Mining District. It was funded in part by a 'focused regional' YMEP grant.

The 100 square kilometer Golden Crux area is situated near Scottie Creek, 25 km north of the community of Beaver Creek, Yukon, approximately 170 km south-southwest of Dawson City, and 17 km from the Alaskan border. Although it is only 15 km from the Alaska Highway, the property is not road accessible. The area is only accessible via helicopter with the nearest permanently-based helicopter located in Dawson City (170 km).

No known mineral exploration has occurred directly within the Golden Crux project area. The general area has seen extremely limited exploration since the 1960s when the discovery of the giant Casino copper-gold porphyry triggered a large staking rush.

The project is located at the fringe of unglaciated terrain with all ridge-and-spur soil sample sites located on unglaciated terrain. Quaternary sediment blankets the area surrounding the targeted ridge-and-spurs, inundating all the small tributaries. No placer gold bearing creeks have ever been recorded in the area, but this could be attributed to the scouring effects of the glacial ice sheets.

The Golden Crux project is located in an area of the Yukon that has received relatively less geological mapping and academic study when compared to other regions of the Yukon. This is partly due to the remoteness, glacial overburden, and lack of outcrop. The project area is situated in a large block of displaced North American Basin terrane (Selwyn Basin), that for the most part in the Yukon, lies north of the Tintina Fault. This Ancestral North American terrane hosts reduced intrusion-related gold deposits throughout the Yukon and Alaska, including the better-known Fort Knox and Eagle deposits.

The northwestern portion of the Golden Crux area covers the Paleozoic metasediments of the Scottie Creek formation with a large Cretaceous age batholith (Dawson Range) intruding at the far northern edge of the project area. The southeastern portion covers Paleozoic metavolcanic schists of the White River Formation.

The 2021 exploration program at the Golden Crux project was successful in evaluating a large, 9 km x 9 km area with a tight budget. In 6 days, 3 men were able to take 327 soil samples with only 1 helicopter bump to move the camp halfway through the program.

Assay results yielded 5 low-grade gold and multi-element geochemical anomalies. Of these anomalies, the most prospective one was a string of 3 soil samples (spaced 100m apart) assaying up to 65 ppb Au, 800 ppm As, 474 ppm Zn, and 150 ppm Pb.

If this anomaly was closer to services or another project being worked it would warrant follow-up and possibly claim staking. However, due to the logistical challenges and expense of accessing this area, it is not recommended to return to this project at this time. Should the area be returned to, the aforementioned anomaly should be soil sample-gridded at 25m spacings. Pits should be hand dug at each anomalous soil sample site to either reach bedrock or at least to sample rock as deep as possible. Upon favourable results of either the soil grid or rock grab samples, mechanized trenching should be completed across the anomaly.

Druid Exploration would like to thank YMEP for supporting this project and others like it. Without government funding, concepts such as this – projects in remote locations with little supporting data – would be far less likely to be realized.

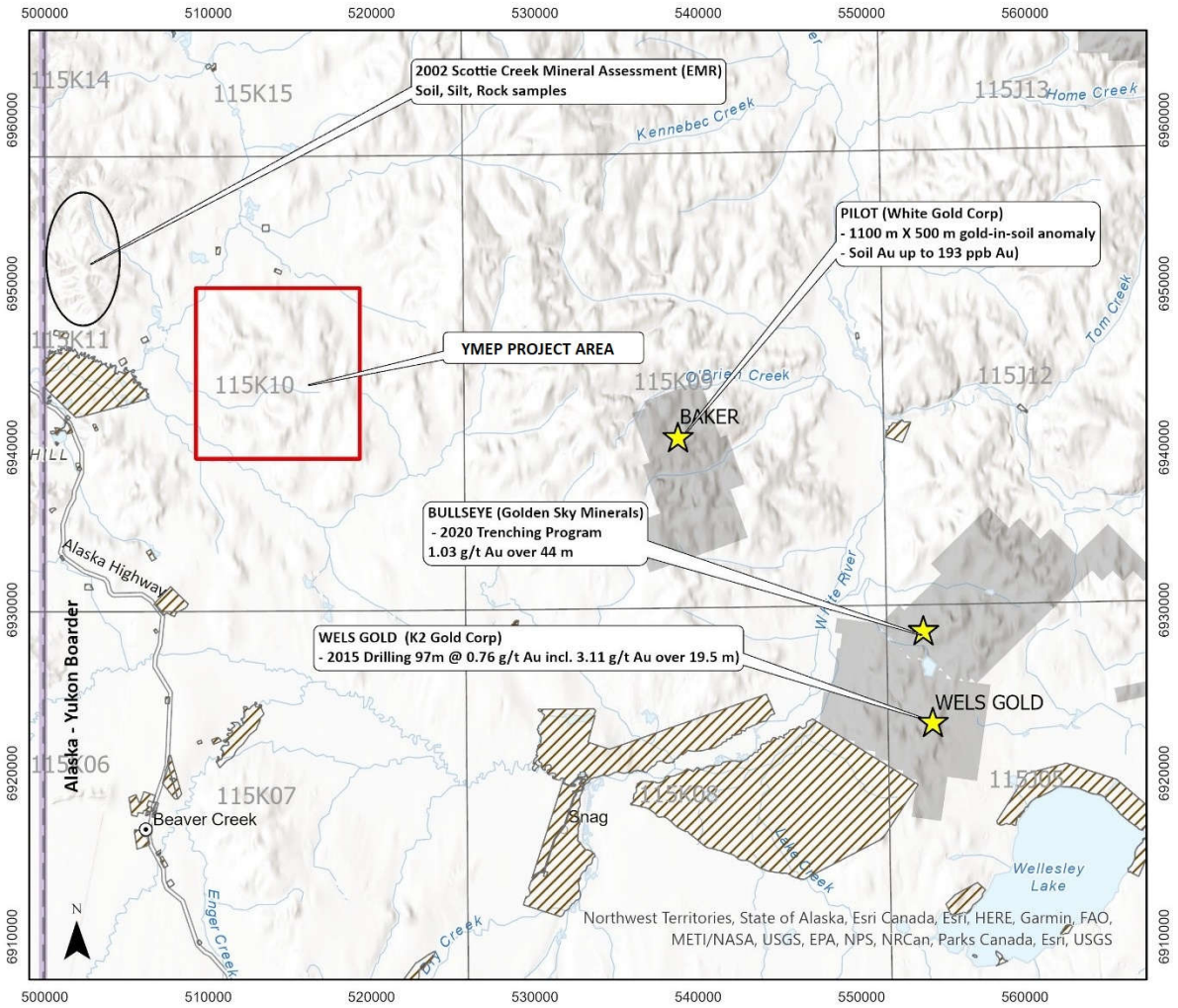
2.0 INTRODUCTION

This assessment report has been prepared on behalf of Druid Exploration Inc. of Dawson City, YT to fulfill the requirements of the Yukon Mineral Exploration Program (YMEP) grant. The report describes the 2021 surficial exploration program on the un-staked 'Golden Crux' property in the Whitehorse Mining District of the Yukon Territory.

Field work for the 2021 season was performed by Druid Exploration Inc. of Dawson City, YT. The report was prepared by D. Ferraro of Dawson City, YT.

3.0 PROPERTY LOCATION AND ACCESS

The 100 square kilometer Golden Crux area is situated near Scottie Creek, 25 km north of the community of Beaver Creek, Yukon, approximately 170 km south-southwest of Dawson City, and 17 km from the Alaskan border (Figure 1). Although it is only 15 km from the Alaska Highway, the property is not road accessible. The area is only accessible via helicopter with the nearest permanently-based helicopter located in Dawson City (170 km).



**GOLDEN CRUX PROJECT AREA
LOCATION MAP**

LEGEND

- ★ Significant Gold Showings
- Active Quartz Claims
- ▨ First Nation Land
- NTS map sheet outline

DATE: MARCH 15, 2020
 DATUM: NAD 83 UTM ZN 7
 MAP SHEET: 115 K10

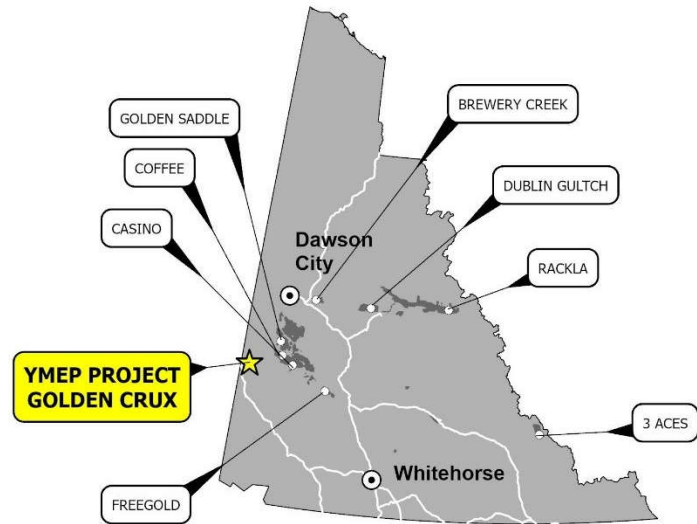


Figure 1: Location map

4.0 PHISIOGRAPHY, VEGETATION, AND CLIMATE

The property is located at the fringe of unglaciated terrain, with all of the 2021 work occurring in unglaciated areas. Very little bedrock outcropping was observed during field work (only 3 outcrops noted). The vegetation ranges from wider spaced poplar and birch forests to dense coniferous forests.

Elevations on the property range from 1900ft in the Scottie Creek valley bottom to a maximum height of 3300ft along the ridgetops (Photo 1).

The Yukon has a sub-arctic continental climate. Summer temperatures can reach up to 35° C but the mean temperature is 10° C. Winter temperatures can be very cold reaching down to -55° C but with a mean winter temperature of -23°C.



Photo 1: Golden Crux project area. Looking north into a tributary of Scottie Creek.

5.0 PROPERTY DESCRIPTION

The project is located in the Whitehorse Mining district. No active minerals claims are staked in the Golden Crux area with the nearest active claims located approximately 20 km to the east (Pilot claims). All work was conducted on un-staked crown land within NTS map sheet 115K10.

6.0 PROPERTY HISTORY

No known mineral exploration has occurred directly within the Golden Crux project area. The general area has seen extremely limited exploration since the 1960s when the discovery of the giant Casino copper-gold porphyry triggered a large staking rush. Refer to Figure 2 showing all minifiles and assessment report footprints plotted for the proposed YMEP area.

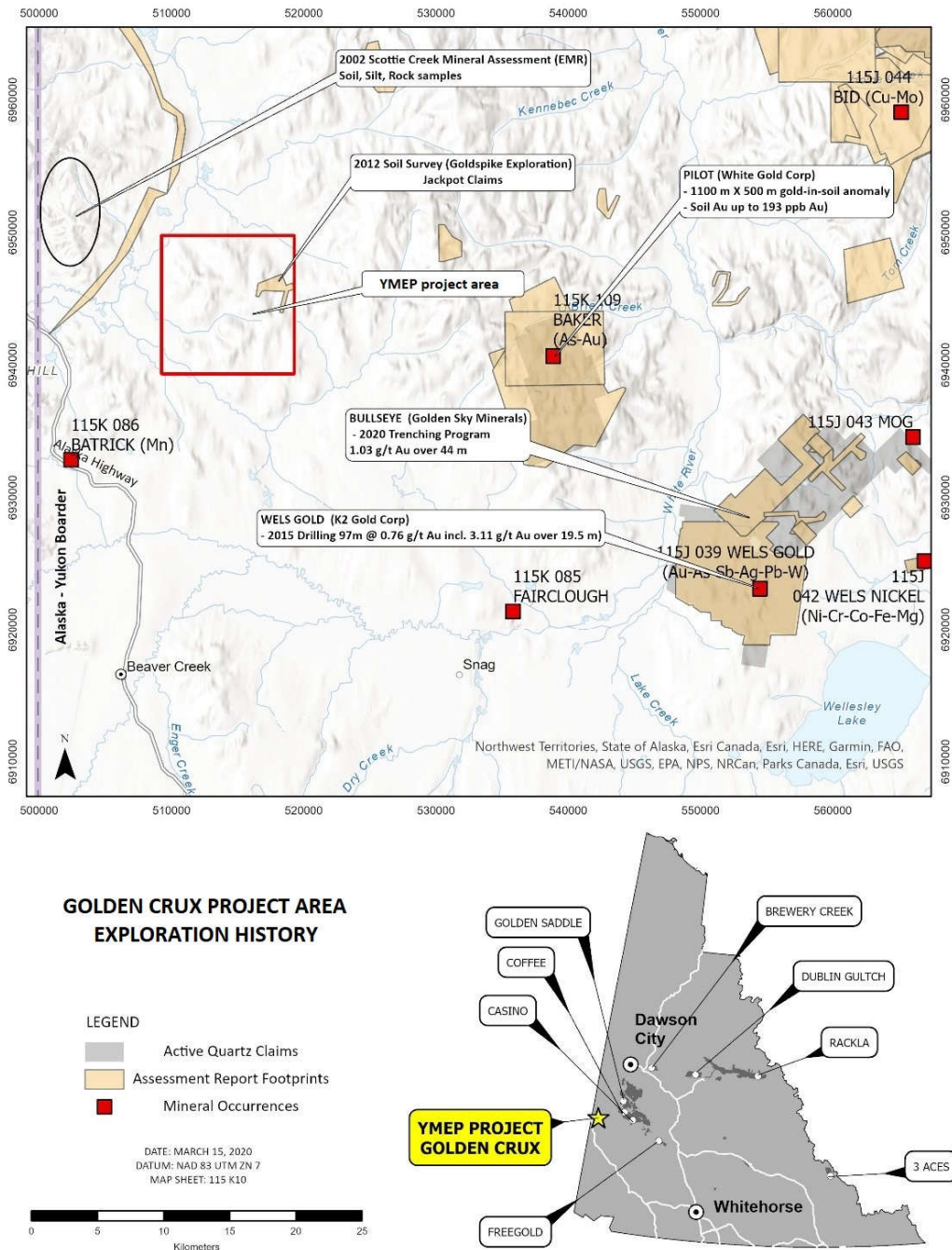


Figure 2: Minifile occurrences in the Golden Crux area.

Baker Occurrence (Minfile 115K109)

The nearest minfile is twenty kilometers to the east of Golden Crux. The BAKER occurrence is an area of gold anomalous soil samples taken by the Teck Corporation in 2001. The highest assay returned was 190 ppb Au, 680 ppm As with potentially anomalous bismuth. White Gold Corp has since staked this showing and called the property the Pilot. The Pilot claims cover a 1100m x 500m, east-west oriented trend of anomalous gold-in-soils, from trace up to 193 ppb, associated with anomalous As and Sb.

Starvation Mountain Occurrence (open file 2006-12)

The Golden Crux project lies within the proposed 516 square kilometer Scottie Creek Special Management Area (SMA). In the summer of 2002, the Energy Mines and Resources (EMR) conducted a mineral assessment program within the proposed Scottie Creek SMA to evaluate the overall mineral potential within the proposed SMA.

The detailed mineral assessment program (open file 2006-12) included 4 geologists that spent 4 days conducting geological mapping, prospecting, and collection of rock, soil, and silt samples for geochemical analysis within the Starvation Mountains, approximately 15 km northwest of the Golden Crux area. A total of 17 rock, 48 soil, and 49 silt samples were collected (Stroshein, 2006). Refer to Figure 3 showing work locations in relation to the Golden Crux area.

No significant mineralization was outlined during the program at Starvation Mountain however, a detailed mineral potential map was created for the proposed Scottie Creek SMA. The mineral potential map showed that the southern portion of the proposed Scottie Creek SMA had the highest relative mineral potential and further work was recommended for the higher elevation unglaciated terrane. The Golden Crux area lies within this highest mineral potential tract and was not evaluated during the EMR mineral assessment program in 2002.

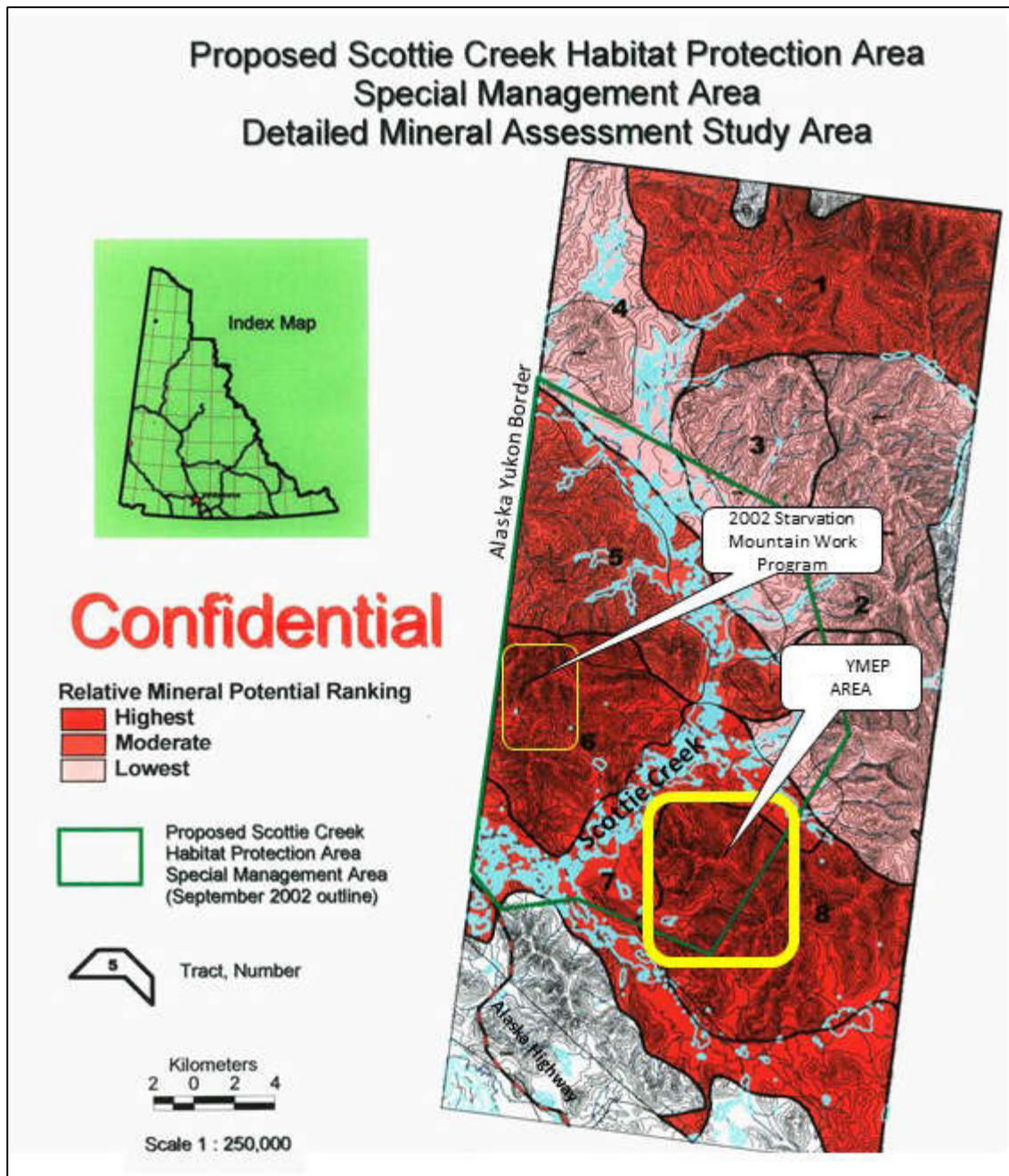


Figure 3: Scottie Creek SMA Mineral Assessment Program (2002). Note the Golden Crux ground is located in an area with the highest mineral potential ranking. This area was never worked during this mineral assessment in 2002 (Stroshein, 2006).

Jackpot Occurrence

In 2011 a group of 36 contiguous 'Jackpot' claims were staked in the direct vicinity of the Golden Crux YMEP area. These claims covered a series of small north facing tributaries that contained an elevated gold-in-stream-sediment sample (42 ppb Au). A 1-day reconnaissance sampling program was conducted on the property in the summer of 2012. A 3-man crew collected 82 soil samples, 4 silt samples, and 1 rock sample (Ferraro, 2012). No samples returned anomalous results and most of the soil samples were noted as poor quality due to frozen organic ground. No work was recommended due to the poor geochemical results, poor sampling conditions and the elevated expense of access to the property (helicopter).

It is thought that the program was conducted too early in the season (June) resulting in poor frozen 'A horizon' soil samples being collected and thus not truly reflecting the underlying bedrock geology but rather the organic content resting on top. Furthermore, this first pass program was completed by Goldspike Exploration in 2012 prior to K2's Gold Corp's Wels Gold discovery. With this new discovery located only 40 kilometers away and situated in a similar geological setting, this underexplored area now warrants further exploration despite difficult access and challenging sampling conditions.

7.0 GEOLOGY

7.1 Surficial Geology

The project is located at the fringe of unglaciated terrain with all ridge-and-spur soil sample sites located on unglaciated terrain (Figure 4). Quaternary sediment blankets the area surrounding the targeted ridge-and-spurs, inundating all the small tributaries. No placer gold-bearing creeks have ever been recorded in the area, but this could be attributed to the scouring effects of the glacial ice sheets.

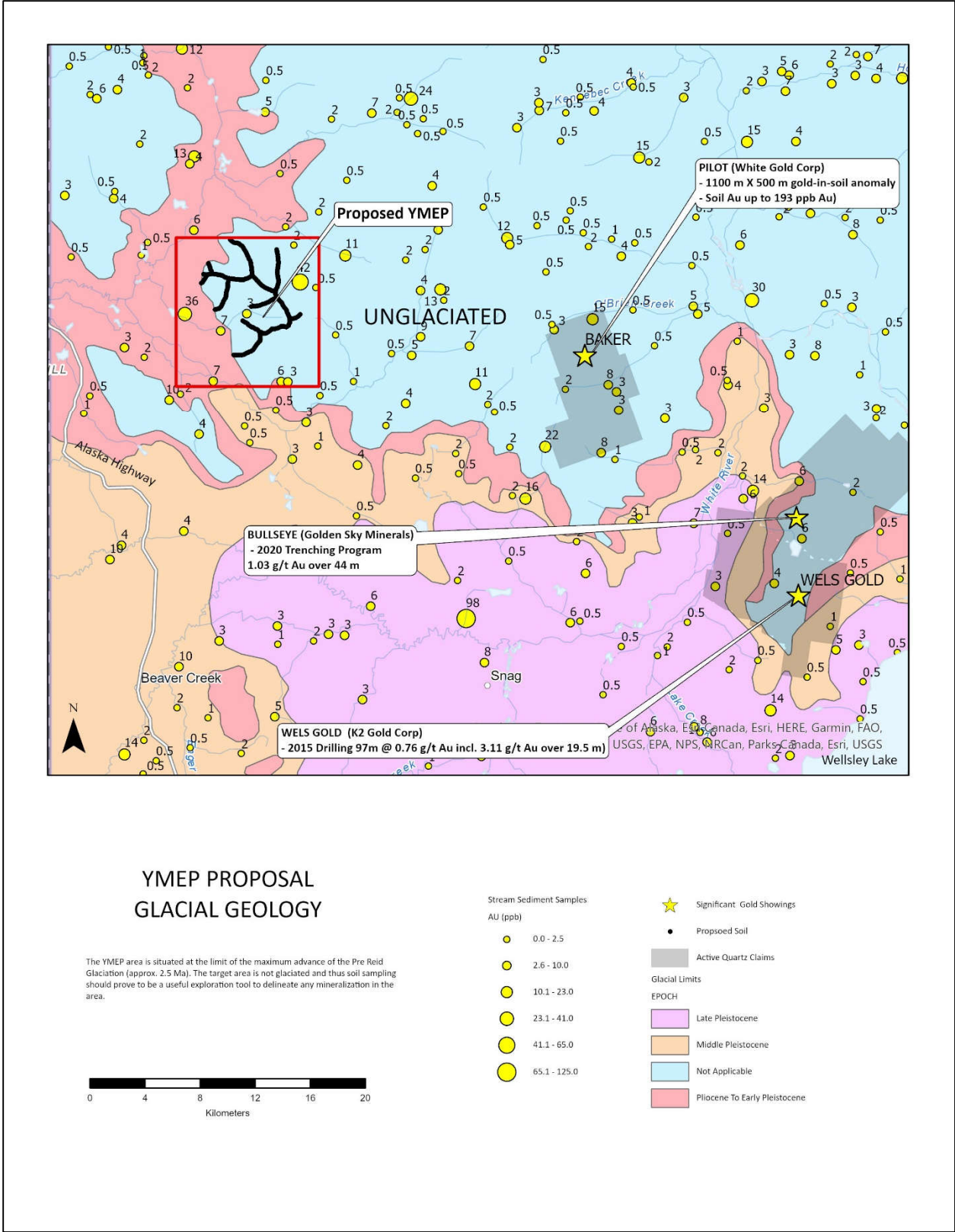
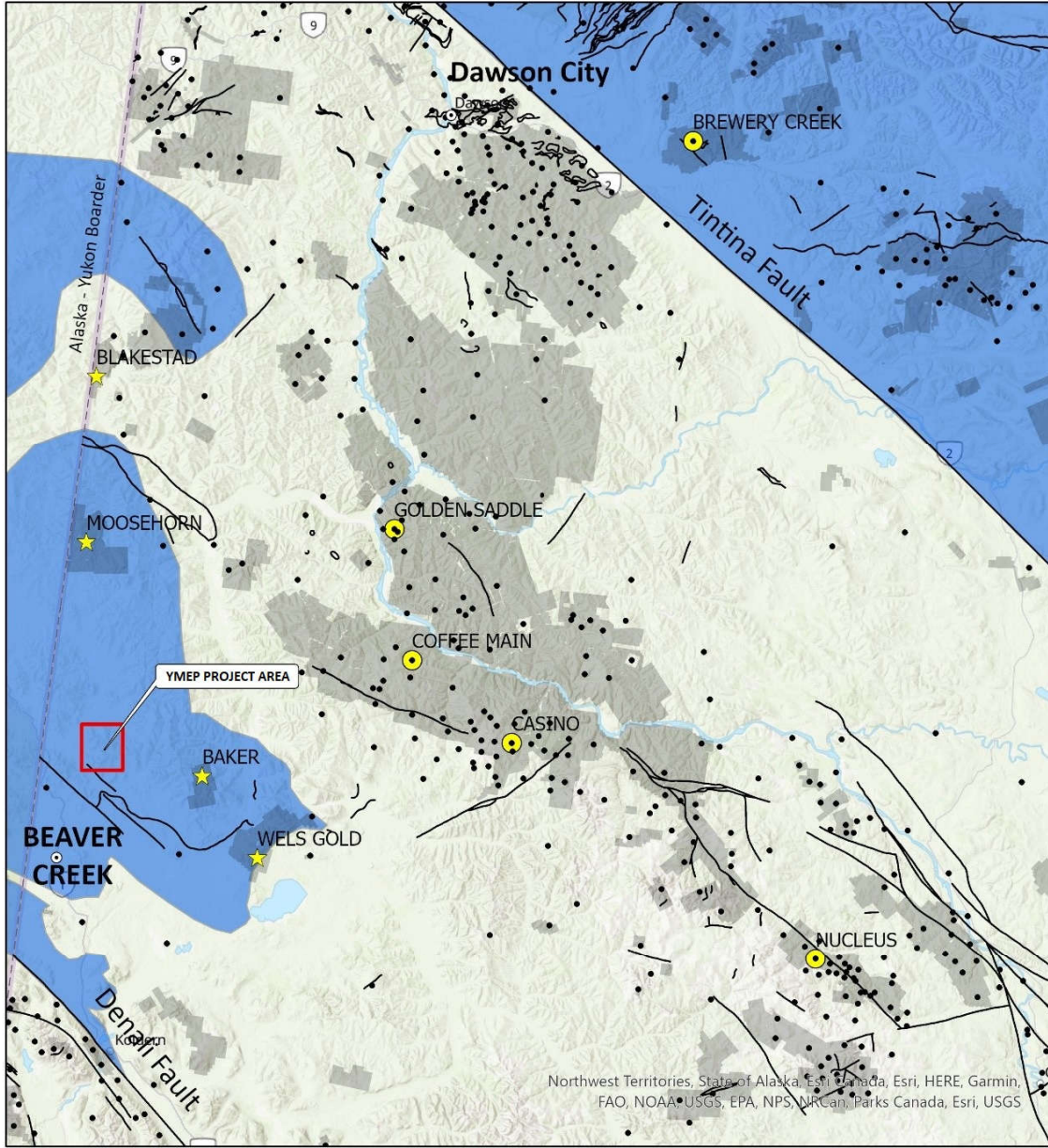


Figure 4: Surficial geology of the Golden Crux project area (modified from YGS, 2021)

7.2 Regional Geology

The Golden Crux project is located in an area of the Yukon that has received relatively less geological mapping and academic study when compared to other regions of the Yukon. This is partly due to the remoteness, glacial overburden, and lack of outcrop. The project area is situated in a large block of displaced North American Basin terrane (Selwyn Basin), that for the most part in the Yukon, lies north of the Tintina Fault. This Ancestral North American terrane hosts reduced intrusion-related gold deposits throughout the Yukon and Alaska, including the better-known Fort Knox and Eagle deposits. Refer to Figure 5 showing the regional scale tectonic terrane map.

The geological setting appears to be similar to the Wels Gold showing located 40 km to the east. Both projects cover Devonian to Mississippian siliceous phyllite and schist of the White River Formation and are intruded by Triassic gabbro of the Snag Creek Suite. Refer to Figures 6 and 7 showing the similar geology and geophysics to the Wels Gold Project.



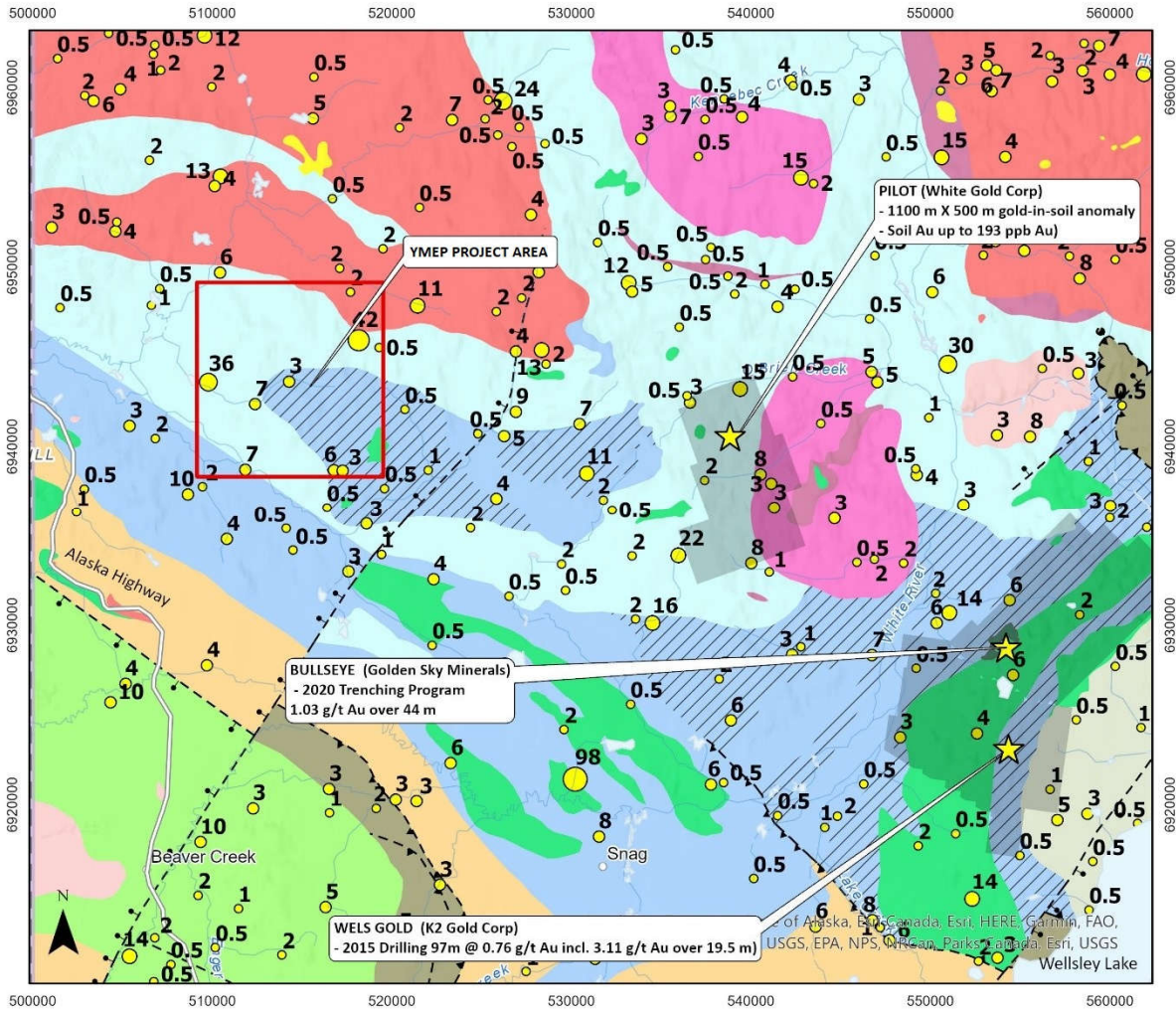
Northwest Territories, State of Alaska, Esri, Canada, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS, NRCAN, Parks Canada, Esri, USGS

Golden Crux - Regional Scale Geology

- ★ Significant Modern Gold Showings
- Major Gold Deposits
- Active Quartz Claims
- Ancestral North America Terrane
- Major Faults

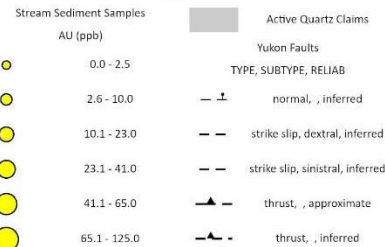
An underexplored portion of the Ancestral North American terrane (Selwyn Basin) that has been recently shown to host intrusion related (Mid Cretaceous) gold mineralization similar to the Fort Knox and Dublin Gulch deposits. This wedge of terrane also hosts the Moosehorn/Independence Creek hardrock and placer gold deposits. The YMEP area has seen significant glaciation with quaternary sediments surrounding unglaciated knobs thus destroying any potential placer gold development and making the area a less desirable prospect in the past. Furthermore, the low elevation densely vegetated terrane has further deterred past exploration efforts as there is very limited bedrock. Lastly due to its far proximity to any helicopter base, exploration in this part of the Yukon is very costly as helicopter support is the only option.

Figure 5: Regional geology of southwest Yukon



Golden Crux area District Scale Geology

An underexplored part of the Yukon with strong Au silt geochemistry and similar geology to the Wels Gold and Bullseye Gold showings. (White River Schist, Snag Creek Gabbro, and Cretaceous intrusives)



Yukon Bedrock Geology

PALEOCENE TO LOWER EOCENE

PRC1: RHYOLITE CREEK: rhyolite, dacite

PqR: RUBY RANGE: granite

PgR: RUBY RANGE: granite, granodiorite

LATE CRETACEOUS TO TERTIARY

LkPp: PROSPECTOR MOUNTAIN SUITE: hornblende-biotite granodiorite, hornblende diorite, quartz diorite (Wheaton Valley Granodiorite)

MID-CRETACEOUS

mKqW: WHITEHORSE SUITE: biotite-hornblende granodiorite, hornblende quartz diorite and hornblende diorite; leucocratic, biotite hornblende granodiorite locally with sparse grey and pink potassium feldspar phenocrysts (Whitehorse Suite, Casino granodiorite, McClintock granodiorite, Nisling Range granodiorite)

mKqW: WHITEHORSE SUITE: biotite quartz-monzonite, biotite granite and leucogranite, pink granophyric quartz monzonite, porphyritic biotite leucogranite, locally porphyritic (K-feldspar) hornblende monzonite to syenite, and locally porphyritic leucocratic quartz monzonite (Mt. McIntyre Suite, Whitehorse Suite, Casino Intrusions, Mt. Ward Granite, Coffee Creek Granite)

UPPER CRETACEOUS

uKCI: CARMACKS: augite olivine basalt and breccia; hornblende feldspar porphyry andesite and dacite flows; vesicular, augite ophyric andesite and trachyte; minor sandy tuff, granite boulder conglomerate, agglomerate and associated epiclastic rocks (Carmacks Gp., Little Ridge Volcanics, Casino Volcanics)

LOWER AND MIDDLE JURASSIC, HETTANGIAN TO BAJOCIAN

JL3: MACAULEY RIDGE:

MIDDLE TO UPPER TRIASSIC

TrMC: MIRROR CREEK: siltstone, shale, sandstone

TRIASSIC

TrGs: SNAG CREEK SUITE: gabbro, pyroxenite

LATE DEVONIAN TO MISSISSIPPIAN

LDyMB: MT BAKER: gabbro

LDgMB: MT BAKER: granite

CARBONIFEROUS TO PERMIAN

CPSM5: SLIDE MOUNTAIN: diabase, gabbro

CPSM4: SLIDE MOUNTAIN: ultramafic

CPSM2: SLIDE MOUNTAIN: basalt (Campbell Range)

DEVONIAN AND MISSISSIPPIAN

DMW1: WHITE RIVER: carbonaceous phyllite, schist, quartzite

DMW2: WHITE RIVER: felsic to mafic metavolcanic schist

ORDOVICIAN TO LOWER DEVONIAN

ODSmm: SCOTTIE CREEK: migmatized

ODS: SCOTTIE CREEK

Figure 6: District scale geology of the Golden Crux area (modified from YGS, 2021)

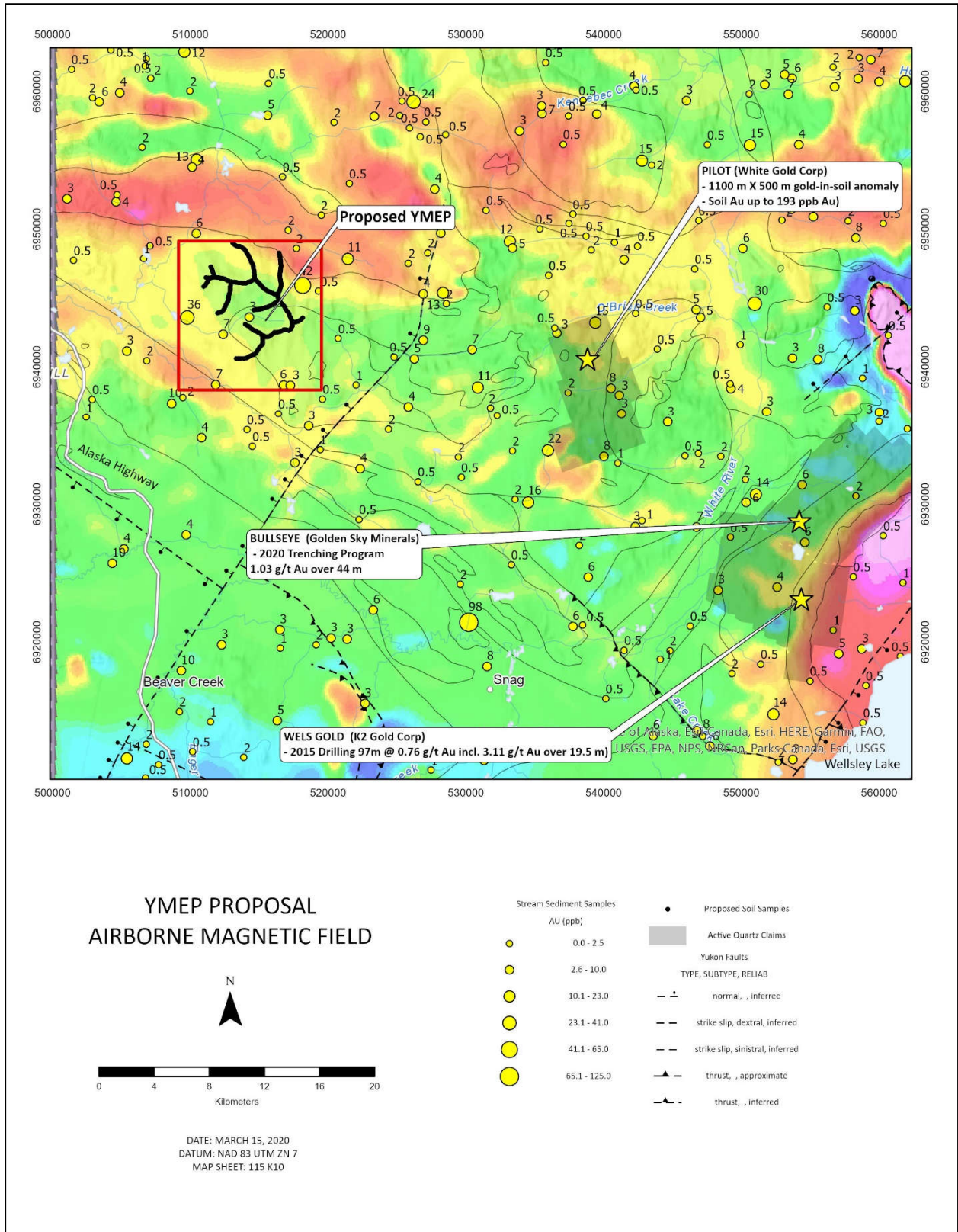


Figure 7: District scale magnetic map of the Golden Crux area (modified from YGS, 2021)

7.3 Property Geology

The northwestern portion of the Golden Crux area covers the Paleozoic metasediments of the Scottie Creek formation with a large Cretaceous age batholith (Dawson Range) intruding at the far northern edge of the project area (Figure 8). The southeastern portion covers Paleozoic metavolcanic schists of the White River Formation.

Limited geological observations taken during the 2021 program support the government geological mapping. Float rock was dominantly schist and quartzite, but gabbro and large blocks of mafic metavolcanic rock were also observed. There was very little outcrop observed during the program.

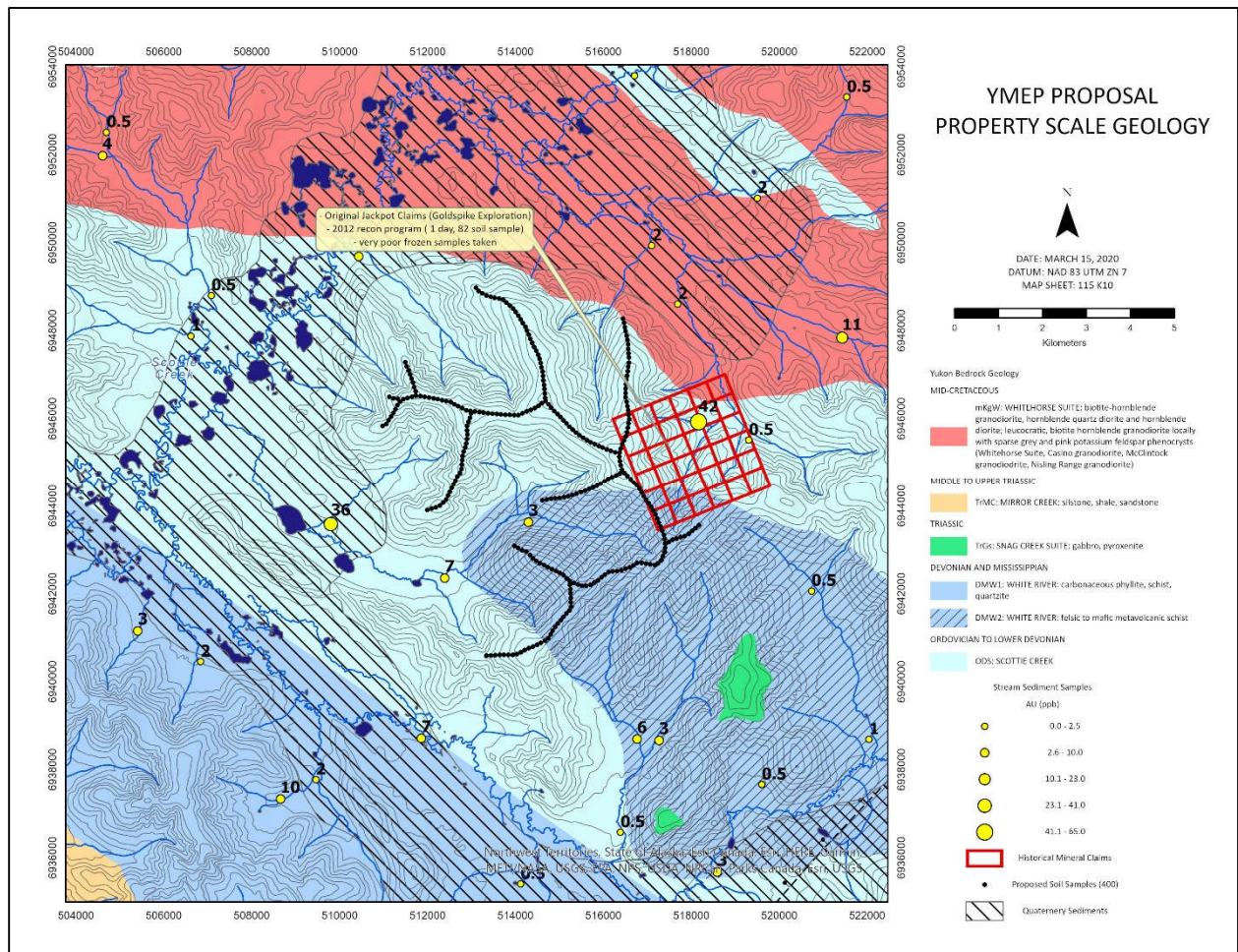


Figure 8: Property scale geology of the Golden Crux area

8.0 2021 PROSPECTING AND SOIL SAMPLING PROGRAM

8.1 Summary of Prospecting and Soil Sampling Program

Prospecting and soil sampling at Golden Crux was conducted by 3 men from September 6th, 2021 to September 11th, 2021. The crew collected 4 rock samples and 327 soil samples. The goal of the program was to perform first-pass reconnaissance ridge-and-spur soil sampling in unexplored areas. Appendices I and II contain rock and soil sample descriptions while Appendices III and IV contain the assay certificates.

8.2 Sampling Methodology

Rock samples were taken based on mineralogy, structure and lithology. Due to the almost complete lack of outcrop or even float material, very few rock samples were taken. Samples were placed inside labeled plastic poly bags with the corresponding sample tag. Sample descriptions were recorded in a field notebook and the location recorded by GPS unit. Sample locations were marked with flagging tape labeled with the sample number.

Soil sample locations were based on ridge-and-spur style reconnaissance sampling. Samples were generally taken at 100m spacings. Samplers used Dutch augurs to collect an adequate soil sample, preferably from the 'C' horizon, and placed them in a Kraft paper bag. Locations were marked with a handheld GPS and flagging tape labeled with the sample number was left at the site. Sample conditions, environment and attributes were recorded in a field notebook. The GPS units were downloaded daily for plotting in ArcGIS. Soil samples were hung up to dry, then packed and shipped to the lab.

8.3 Sample Preparation, Analysis, and QA/QC

Rock samples were crushed and pulverized in the Bureau Veritas laboratory in Whitehorse, YT and the sample pulps were then analyzed by Bureau Veritas in Vancouver, BC. The samples are first dried at 60 degrees and then up to 1 kg is crushed to 70% passing a 10 mesh (2mm). A split of 250 g is then further pulverized to 85% passing 200 mesh (75um). The remaining coarse reject portions of the sample remains in storage at the Bureau Veritas storage facility in Vancouver, BC and are disposed after 3 months from the date of analytical completion.

Rock samples received both Aqua Regia ICP-MS, 36 element analytical analysis (AQ200) and fire assay ICP-ES analytical analysis (FA350-Au) for gold only. The Aqua Regia ICP-MS (AQ200) analysis involves a 0.5 g split leached in hot (95°C) Aqua Regia solution with an inductively-coupled plasma mass spectroscopy (ICP-MS) finish. The fire assay ICP-ES (FA350-Au) analysis involves a 50-gram split being fully decomposed in a 3B lead-collection fire assay fusion procedure with inductively-coupled plasma [atomic] emission spectroscopy (ICP-ES) finish. The

3B lead-collection fire assay is used because refractory, massive sulphide and graphitic samples can limit Au solubility potentially yielding lower gold values in the standard Aqua Regia ICP-MS procedure (AQ200).

The soil samples area dried at 60° C and sieved to -80 mesh (<177 microns). A 15-gram sub-sample is digested in hot (95° C) Aqua Regia (HCl-HNO₃-H₂O). Following this, the samples were analysed by inductively-coupled plasma mass spectrometry (ICP-MS) techniques. Bureau Veritas' AQ201 package was used, giving analyses of 36 elements.

8.4 Prospecting and Soil Sampling Results

The 2021 exploration program at the Golden Crux project was successful in testing a large area (9 km x 9 km) with quality soil samples. See Figure 9 for sample locations.

Prospecting while soil sampling did not yield any notable results. Not only were few outcrops observed, very little float rock was present. Of the 4 rocks taken, none yielded notable assay results.

Soil sampling did yield a number of isolated geochemical anomalies. Figures 10 to 16 display sample geochemistry for the elements of gold, arsenic, silver, lead, zinc, molybdenum, and antimony. The anomalies are labeled #1 through #5 on Figure 10.

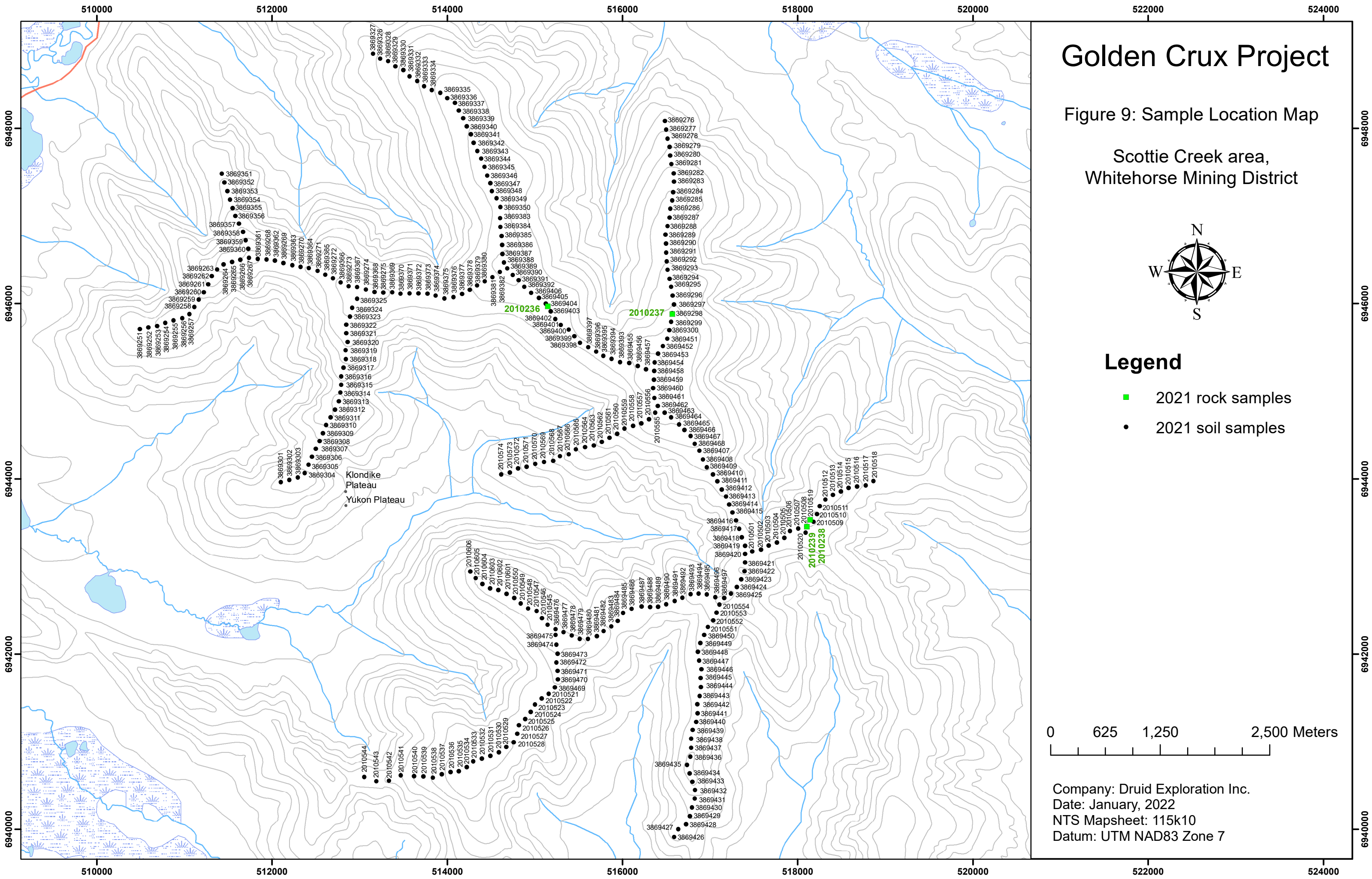
Starting from the north at anomaly #1, one soil sample (3869254) yielded 45 ppb Au. This gold anomaly does not coincide with many other elements, although there are elevated arsenic values in the 2 samples downslope from it.

Anomaly #2 is a minor Mo-Ag-Sb-Zn anomaly spanning 3 (100m-spaced) soil samples. Values are up to 14.2 ppm Mo, 0.8 ppm Ag, 4.9 ppm Sb, and 312 ppm Zn.

Anomaly #3 is another isolated gold anomaly but with a more complete suite of anomalous elements. Sample 2010563 yielded 27 ppb Au, 216 ppm Pb, 158 ppm As, 1.4 ppm Ag, and 130 ppm Zn.

Anomaly #4 is a 2-sample-wide Mo-Ag-Sb-Se anomaly with values up to 3 ppm Ag, 11.6 ppm Mo, 5.4 ppm Sb, and 8.9 ppm Se.

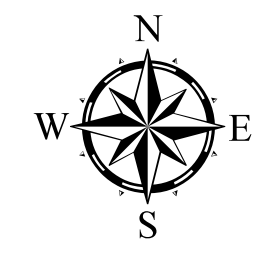
The most prospective anomaly is #5, furthest to the south. Here, a string of 3 (100m-spaced) soil samples assayed up to 65 ppb Au, 800 ppm As, 474 ppm Zn, and 150 ppm Pb. This anomaly displays the most consistent and highest gold and arsenic values. It occurs on a south-facing slope with mixed deciduous and coniferous forest.



Golden Crux Project

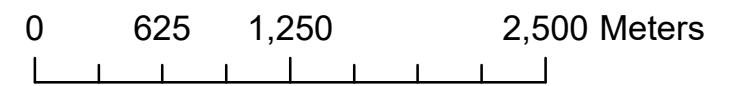
Figure 9: Sample Location Map

Scottie Creek area,
Whitehorse Mining District



Legend

- 2021 rock samples
- 2021 soil samples

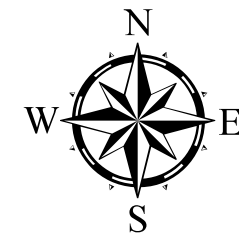


Company: Druid Exploration Inc.
Date: January, 2022
NTS Mapsheet: 115k10
Datum: UTM NAD83 Zone 7

Golden Crux Project

Figure 10: Sample Geochemistry
- Gold

Scottie Creek area,
Whitehorse Mining District



Legend

■ 2021 rock samples (ppb Au)

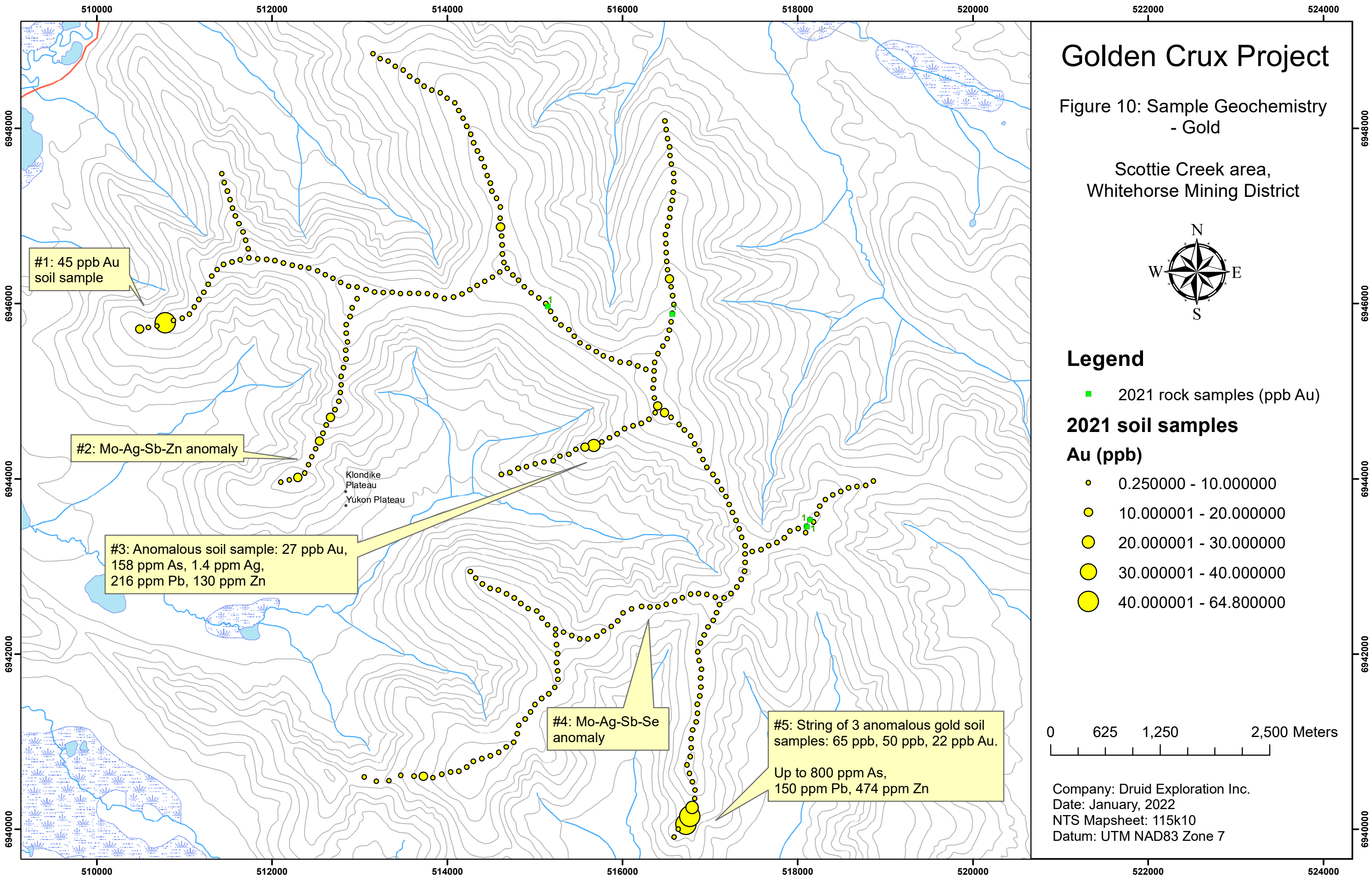
2021 soil samples

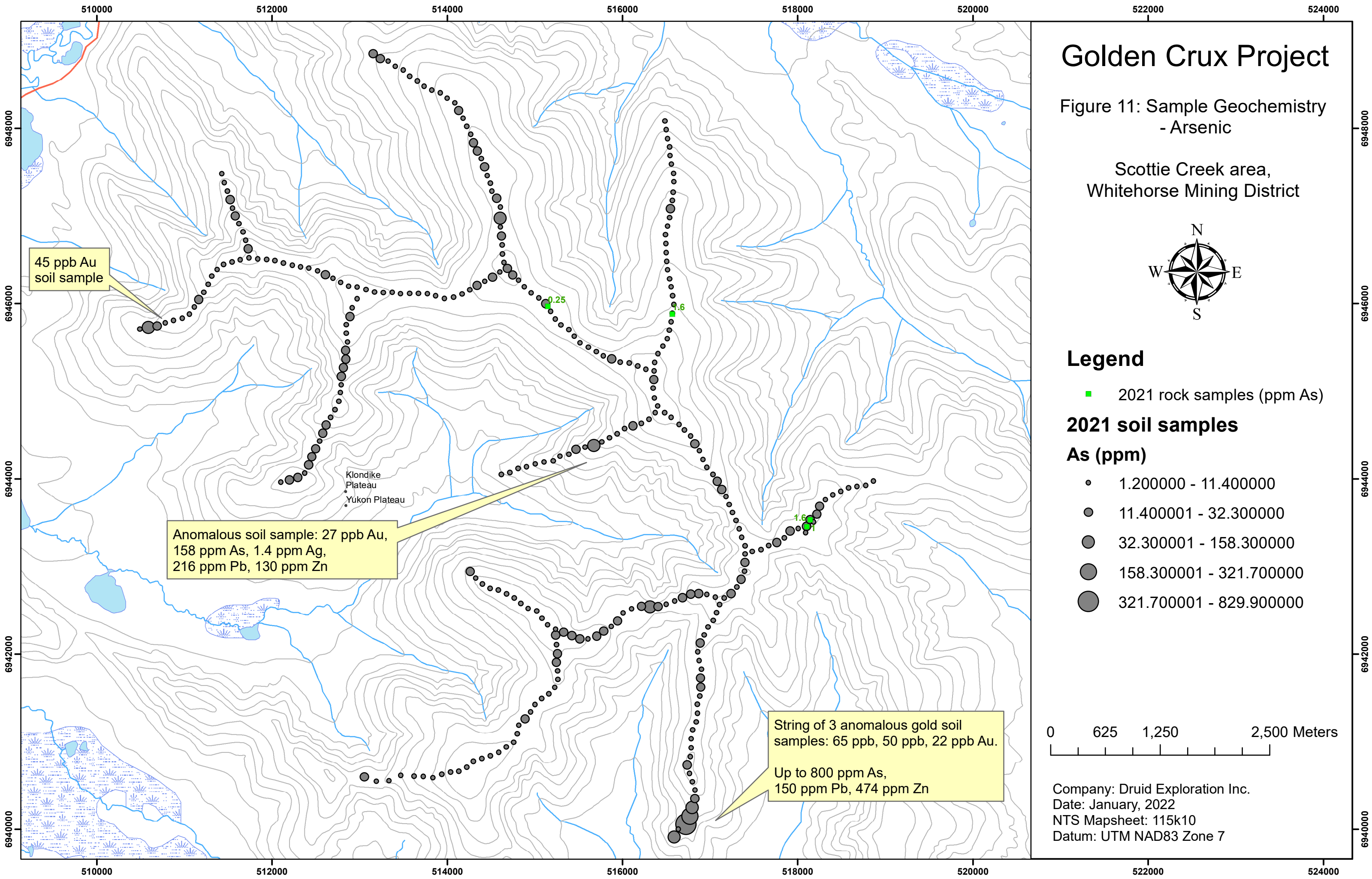
Au (ppb)

- 0.250000 - 10.000000
- 10.000001 - 20.000000
- 20.000001 - 30.000000
- 30.000001 - 40.000000
- 40.000001 - 64.800000

0 625 1,250 2,500 Meters

Company: Druid Exploration Inc.
Date: January, 2022
NTS Mapsheet: 115k10
Datum: UTM NAD83 Zone 7

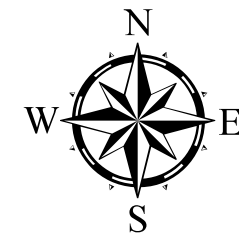




Golden Crux Project

Figure 12: Sample Geochemistry
- Silver

Scottie Creek area,
Whitehorse Mining District



Legend

■ 2021 rock samples (ppm Ag)

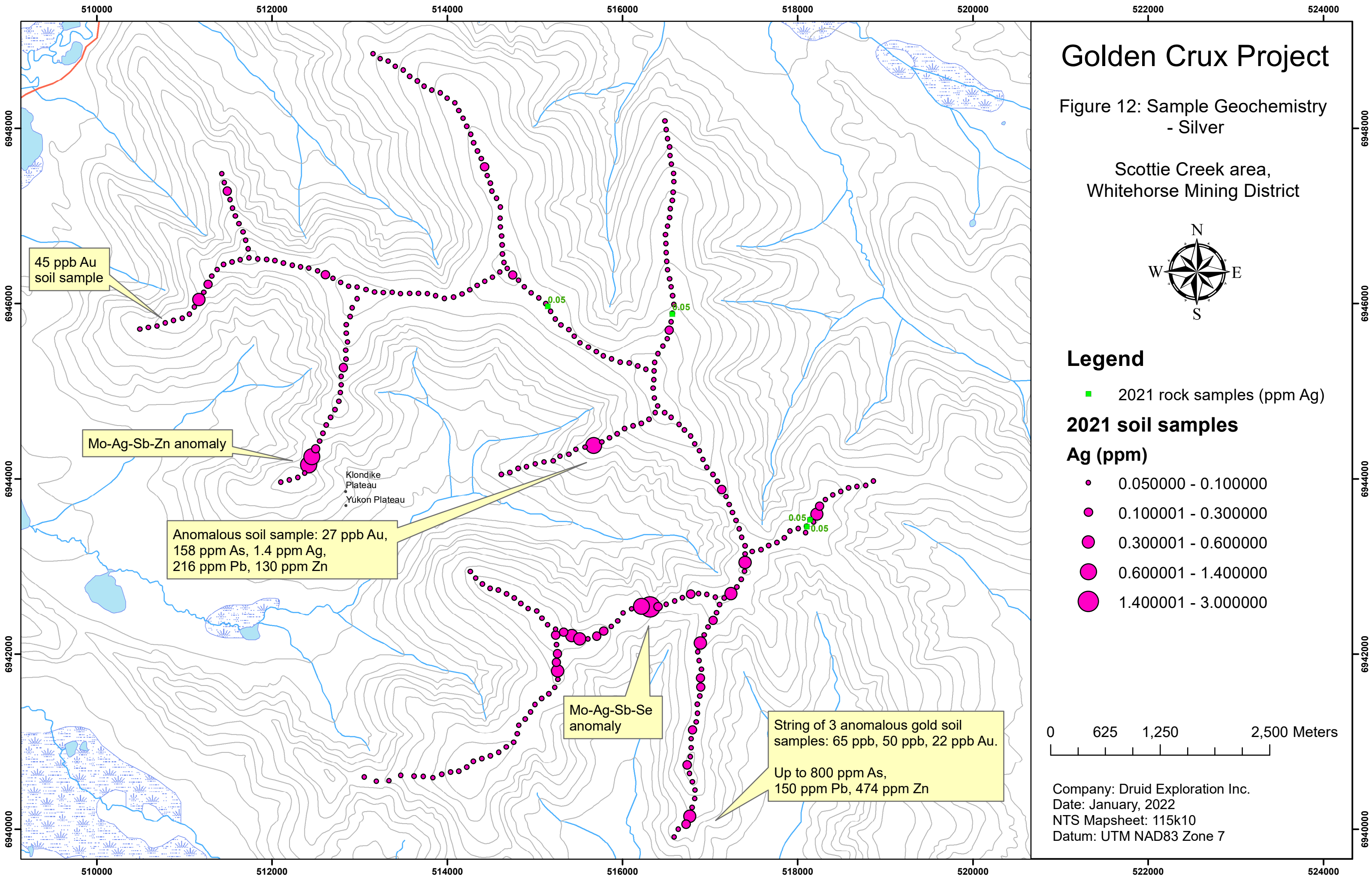
2021 soil samples

Ag (ppm)

- 0.050000 - 0.100000
- 0.100001 - 0.300000
- 0.300001 - 0.600000
- 0.600001 - 1.400000
- 1.400001 - 3.000000

0 625 1,250 2,500 Meters

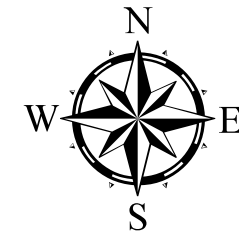
Company: Druid Exploration Inc.
Date: January, 2022
NTS Mapsheet: 115k10
Datum: UTM NAD83 Zone 7



Golden Crux Project

Figure 13: Sample Geochemistry
- Lead

Scottie Creek area,
Whitehorse Mining District



Legend

■ 2021 rock samples (ppm Pb)

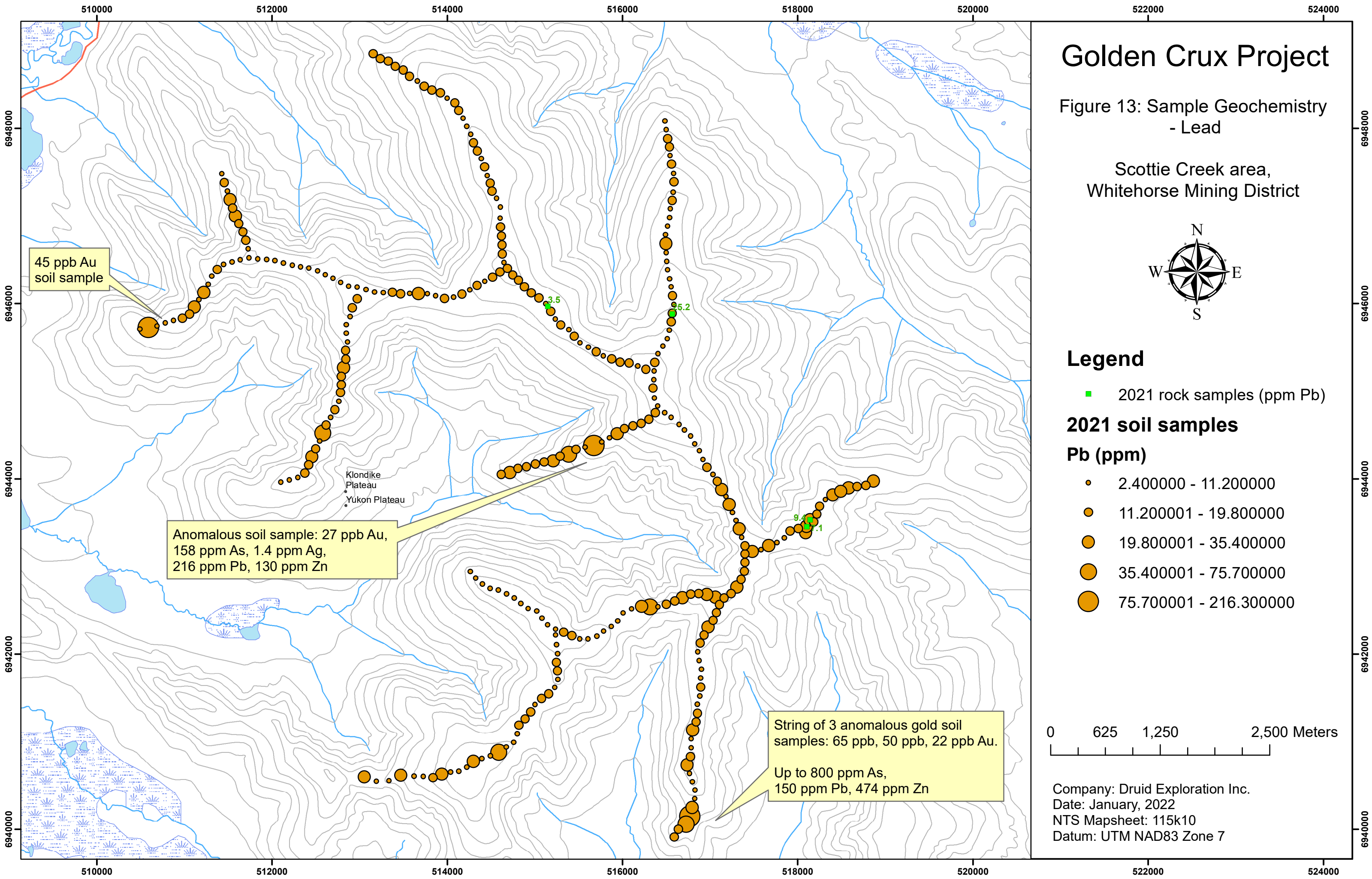
2021 soil samples

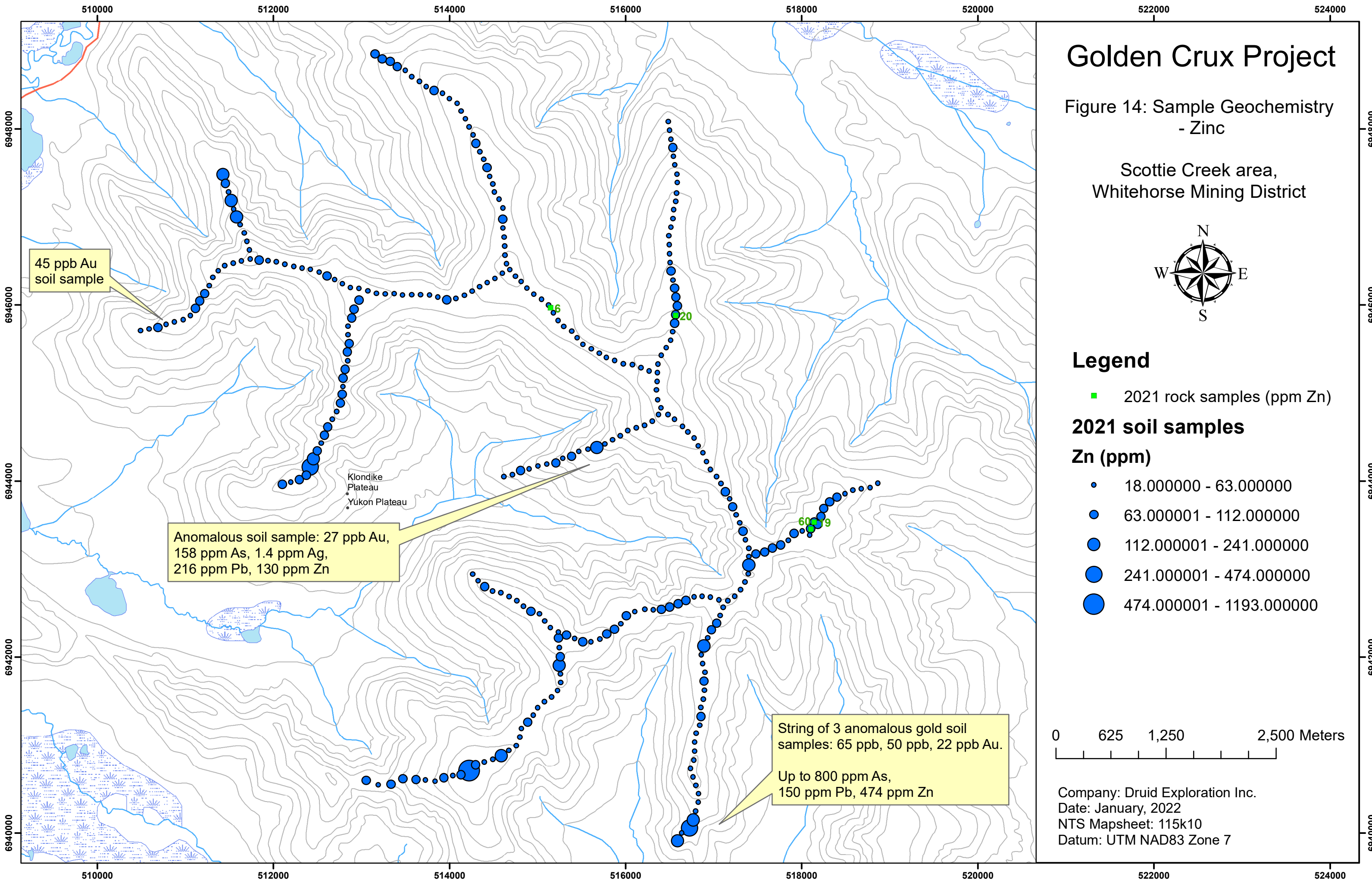
Pb (ppm)

- 2.400000 - 11.200000
- 11.200001 - 19.800000
- 19.800001 - 35.400000
- 35.400001 - 75.700000
- 75.700001 - 216.300000

0 625 1,250 2,500 Meters

Company: Druid Exploration Inc.
Date: January, 2022
NTS Mapsheet: 115k10
Datum: UTM NAD83 Zone 7

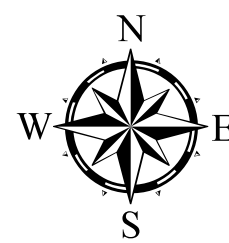




Golden Crux Project

Figure 14: Sample Geochemistry
- Zinc

Scottie Creek area,
Whitehorse Mining District



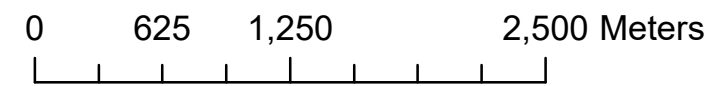
Legend

■ 2021 rock samples (ppm Zn)

2021 soil samples

Zn (ppm)

- 18.000000 - 63.000000
- 63.000001 - 112.000000
- 112.000001 - 241.000000
- 241.000001 - 474.000000
- 474.000001 - 1193.000000



Company: Druid Exploration Inc.
Date: January, 2022
NTS Mapsheet: 115k10
Datum: UTM NAD83 Zone 7

45 ppb Au
soil sample

Anomalous soil sample: 27 ppb Au,
158 ppm As, 1.4 ppm Ag,
216 ppm Pb, 130 ppm Zn

String of 3 anomalous gold soil
samples: 65 ppb, 50 ppb, 22 ppb Au.

Up to 800 ppm As,
150 ppm Pb, 474 ppm Zn

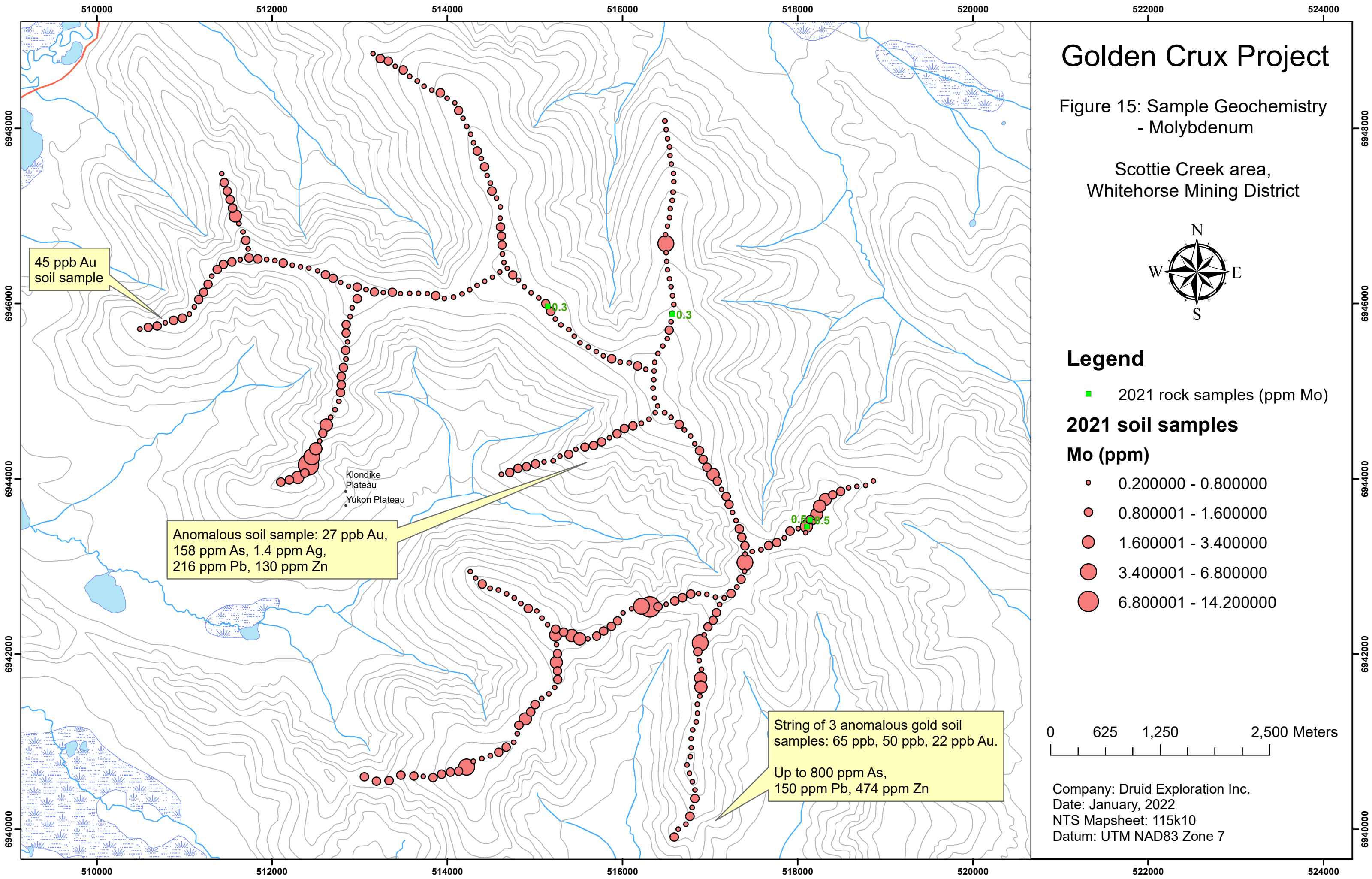
Klondike
Plateau
Yukon Plateau

6

20

60

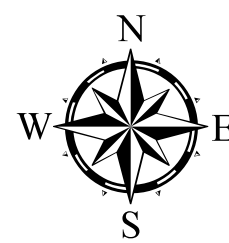
79



Golden Crux Project

Figure 15: Sample Geochemistry
- Molybdenum

Scottie Creek area,
Whitehorse Mining District



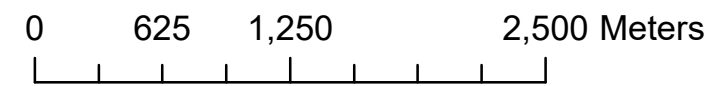
Legend

■ 2021 rock samples (ppm Mo)

2021 soil samples

Mo (ppm)

- 0.200000 - 0.800000
- 0.800001 - 1.600000
- 1.600001 - 3.400000
- 3.400001 - 6.800000
- 6.800001 - 14.200000



Company: Druid Exploration Inc.
Date: January, 2022
NTS Mapsheet: 115k10
Datum: UTM NAD83 Zone 7

45 ppb Au
soil sample

Anomalous soil sample: 27 ppb Au,
158 ppm As, 1.4 ppm Ag,
216 ppm Pb, 130 ppm Zn

String of 3 anomalous gold soil
samples: 65 ppb, 50 ppb, 22 ppb Au.

Up to 800 ppm As,
150 ppm Pb, 474 ppm Zn

Klondike
Plateau
Yukon Plateau

0.3

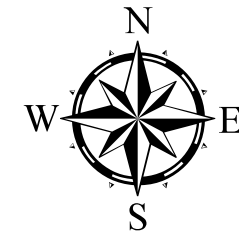
0.3

0.5
0.5

Golden Crux Project

Figure 16: Sample Geochemistry
- Antimony

Scottie Creek area,
Whitehorse Mining District



Legend

■ 2021 rock samples (ppm Sb)

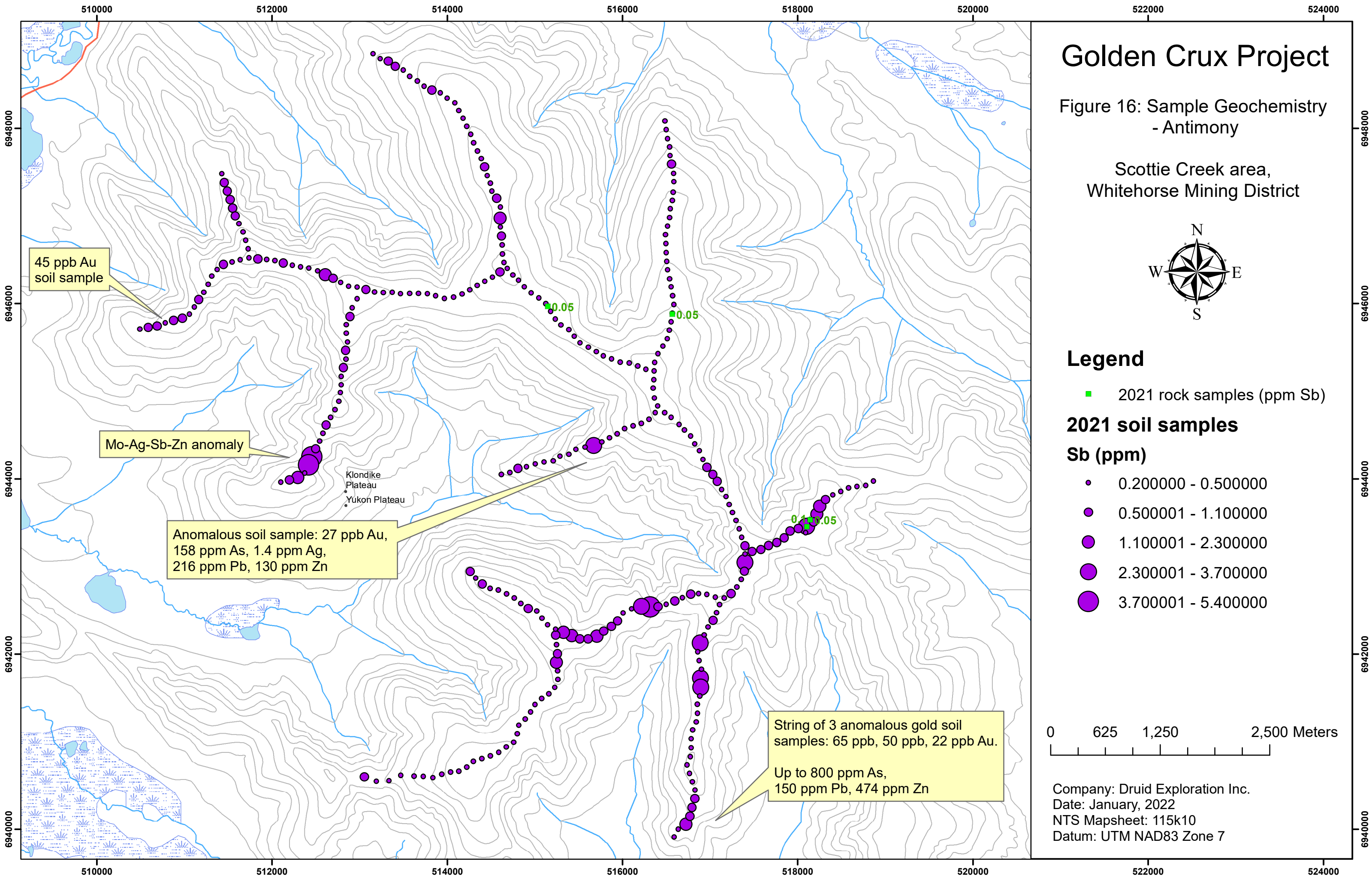
2021 soil samples

Sb (ppm)

- 0.200000 - 0.500000
- 0.500001 - 1.100000
- 1.100001 - 2.300000
- 2.300001 - 3.700000
- 3.700001 - 5.400000

0 625 1,250 2,500 Meters

Company: Druid Exploration Inc.
Date: January, 2022
NTS Mapsheet: 115k10
Datum: UTM NAD83 Zone 7



9.0 CONCLUSIONS AND RECOMMENDATIONS

The 2021 exploration program at the Golden Crux project was successful in evaluating a large, 9 km x 9 km area with a tight budget. In 6 days, 3 men were able to take 327 soil samples with only 1 helicopter bump to move the camp halfway through the program.

Assay results yielded 5 low-grade gold and multi-element geochemical anomalies. Of these anomalies, the most prospective one was a string of 3 soil samples (spaced 100m apart) assaying up to 65 ppb Au, 800 ppm As, 474 ppm Zn, and 150 ppm Pb.

If this anomaly was closer to services, or another project being worked, it would warrant follow-up and possibly claim staking. However, due to the logistical challenges and expense of accessing this area, it is not recommended to return to this project at this time.

Should the area be returned to, the aforementioned anomaly should be soil sample-gridded at 25m spacings. Pits should be hand dug at each anomalous soil sample site to either reach bedrock or at least to sample rock as deep as possible. Upon favourable results of either the soil grid or rock grab samples, mechanized trenching should be completed across the anomaly.

Druid Exploration would like to thank YMEP for supporting this project and others like it. Without government funding, concepts such as this – projects in remote locations with little supporting data – would be far less likely to be realized.

REFERENCES

Ferraro, D. (2012). Geochemical Program on the Jackpot Property, Whitehorse Mining District, Yukon Territory, Goldspike Exploration Inc. Assessment Report # 096118, Retrieved March 15, 2021 from <https://yma.gov.yk.ca/096118.pdf>

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Stroshein, R. and Hulstein, R., 2006. Report on the Detailed Mineral Assessment of the Proposed Wellesley Lake Special Management Area, Yukon. Yukon Geological Survey, Open File 2006-11, 42 p. plus 1 map. Retrieved March 15, 2021 from https://ygsftp.gov.yk.ca/publications/openfile/2006/of2006_11.pdf

STATEMENT OF EXPENDITURES

EXPLORATION COSTS 2021 - GOLDEN CRUX				
Worked September 6 to September 11, 2021				
ITEM	COMPANY	Rate	Unit	AMOUNT
Helicopter - Astar + Fuel	Horizon helicopters	by invoice		\$ 12,657.18
Fixed wing aircraft (DC to Beaver Ck)	Great River Air	by invoice		\$ 1,003.28
Fixed wing aircraft (DC to Beaver Ck)	Great River Air	by invoice		\$ 1,323.00
Camp costs	YMEP rate: \$100/man for 18 man days (6x3)	\$ 100.00	18	\$ 1,800.00
Chainsaw rental (2 saws)	YMEP rate	\$ 10.00	12	\$ 120.00
Generator rental	YMEP rate	\$ 10.00	6	\$ 60.00
Wages - D.Ferraro (project geo)	Druid Exploration Inc	\$ 500.00	7	\$ 3,500.00
Wages - C. Jones (project geo)	Druid Exploration Inc	\$ 500.00	7	\$ 3,500.00
Wages - P.Severinsen (sampler)	Druid Exploration Inc	\$ 400.00	6	\$ 2,400.00
Report	D. Ferraro	\$ 500.00	4	\$ 2,000.00
Sample shipping	Manitoulin Transport	by invoice		\$ 123.12
Assays - Rock	Bureau Veritas	by invoice	4	\$ 152.61
Assays - Soil	Bureau Veritas	by invoice	327	\$ 7,059.28
	TOTAL			\$ 35,698.47

CERTIFICATE OF QUALIFICATIONS

I, Daniel Ferraro, of PO Box 1485 Dawson City, Yukon, Canada, certify that:

1. I am a graduate of Lakehead University, 2008, and hold an H. B.Sc. Geology degree.
2. I am an independent geological consultant.
3. I am a member of the Ontario Prospectors Association (2010).
4. I have been employed as a geological assistant for the Ontario Geological Survey and the Geological Survey of Canada during the summers of, respectively, 2006 and 2007.
5. I have been working in the mineral exploration industry since 2008 consulting for Pacific North West Capital Corporation, East West Resources Corporation, Rainy Mountain Royalty Corporation, Black Panther Mining Corporation, White Tiger Mining Corporation, Trillium North Minerals Ltd., Nebu Resources Inc., Canoe Mining Ventures Corp., Harte Gold Corp., Goldstrike Resources Ltd., Goldspike Exploration Inc., Nevada Zinc Corp., Luckystrike Resources Ltd., Golden Sky Minerals Corp., and Trailbreaker Resources Inc.
6. This report was prepared by myself.
7. I have no personal knowledge from the date of this certificate of any material fact or change not reflected in this report.



Daniel Ferraro, H.B.Sc.

Date: Jan 21, 2022

Appendix I: Rock Grab Sample Descriptions

Rock Grab Sample Descriptions

UTM NAD83, Zone 7

GENERAL			LOCATION				SAMPLE			GEOLOGY	
Sample ID	User	Date	Zone	Easting	Northing	Altitude (m)	Material	Exposure	Sample type	Lithology	Description
2010236	Dan Ferraro	8-Sep-21	7	515149	6945966	999	rock	float	grab	metased	Almost all QV. Rusty patches, some carb, some MnO, some iron staining. Host is likely a qtz sericite schist or quartzite as there is lots around
2010237	Phil Severinsen	8-Sep-21	7	516571	6945880	961	rock	float	grab	metased	Almost all QV. Minor oxidation and MnO. Chloritic patches.
2010238	Clayton Jones	09-Sep-21	7	518145	6943532	950	rock	float	grab	qv	Several oxi quartz vein pieces resting ontop of game trail, cubic py voids
2010239	Clayton Jones	09-Sep-21	7	518105	6943453	954	rock	float	grab	quartzite	Several oxi quartzite pieces resting ontop of game trail

Appendix II: Soil Sample Descriptions

Soil Sample Descriptions

UTM NAD83, Zone 7

GENERAL			LOCATION				SAMPLE								
Sample ID	User	Date	Zone	Easting	Northing	Altitude (m)	Material	Sample Depth (cm)	Horizon Sampled	Sample Colour	Parent Material	Moisture Content	Vegetation Cover	Topo Position	Notes
3869251	Phil Severinsen	7-Sep-21	7	510492	6945707	795	Soil	80	C	Light Grey	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869252	Phil Severinsen	7-Sep-21	7	510589	6945727	805	Soil	50	B/C	Light Grey	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Bright Orange Rust
3869253	Phil Severinsen	7-Sep-21	7	510691	6945742	816	Soil	60	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	
3869254	Phil Severinsen	7-Sep-21	7	510783	6945780	824	Soil	60	C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869255	Phil Severinsen	7-Sep-21	7	510880	6945808	833	Soil	70	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869256	Phil Severinsen	7-Sep-21	7	510978	6945833	831	Soil	70	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	
3869257	Phil Severinsen	7-Sep-21	7	511060	6945879	827	Soil	90	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Dull Red Rust
3869258	Phil Severinsen	7-Sep-21	7	511116	6945961	827	Soil	60	C	Light Grey	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869259	Phil Severinsen	7-Sep-21	7	511166	6946046	837	Soil	50	C	Yellow Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	
3869260	Phil Severinsen	7-Sep-21	7	511225	6946126	854	Soil	50	B/C	Light Grey	Weathered Bedrock	Dry	Evergreen Forest	Ridge Top	
3869261	Phil Severinsen	7-Sep-21	7	511272	6946217	874	Soil	40	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	
3869262	Phil Severinsen	7-Sep-21	7	511315	6946311	893	Soil	40	B/C	Light Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	
3869263	Phil Severinsen	7-Sep-21	7	511378	6946387	908	Soil	50	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	
3869264	Phil Severinsen	7-Sep-21	7	511449	6946447	926	Soil	40	B/C	Light Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	
3869265	Phil Severinsen	7-Sep-21	7	511546	6946473	933	Soil	40	C	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	Bright Orange Rust
3869266	Phil Severinsen	7-Sep-21	7	511641	6946499	938	Soil	60	C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Bright Orange Rust
3869267	Phil Severinsen	7-Sep-21	7	511741	6946521	943	Soil	50	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869268	Phil Severinsen	7-Sep-21	7	511939	6946503	932	Soil	80	C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869269	Phil Severinsen	7-Sep-21	7	512132	6946462	929	Soil	60	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	
3869270	Phil Severinsen	7-Sep-21	7	512328	6946417	931	Soil	50	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Quartz Chips
3869271	Phil Severinsen	7-Sep-21	7	512522	6946371	944	Soil	40	B	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869272	Phil Severinsen	7-Sep-21	7	512698	6946286	964	Soil	70	B/C	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	
3869273	Phil Severinsen	7-Sep-21	7	512877	6946195	982	Soil	50	B/C	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	
3869274	Phil Severinsen	7-Sep-21	7	513073	6946159	981	Soil	70	B/C	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	Bright Orange Rust
3869275	Phil Severinsen	7-Sep-21	7	513271	6946124	975	Soil	60	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Bright Orange Rust
3869276	Phil Severinsen	8-Sep-21	7	516487	6948082	778	Soil	50	B	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	
3869277	Phil Severinsen	8-Sep-21	7	516503	6947984	794	Soil	50	B/C	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	
3869278	Phil Severinsen	8-Sep-21	7	516518	6947882	808	Soil	50	B/C	Light Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	Bright Orange Rust
3869279	Phil Severinsen	8-Sep-21	7	516541	6947786	821	Soil	40	B	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	Rocky Terrain
3869280	Phil Severinsen	8-Sep-21	7	516547	6947686	834	Soil	50	B/C	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	Bright Orange Rust
3869281	Phil Severinsen	8-Sep-21	7	516562	6947588	847	Soil	70	C	Light Grey	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	Rusty Rock Chips
3869282	Phil Severinsen	8-Sep-21	7	516587	6947483	860	Soil	50	B	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	
3869283	Phil Severinsen	8-Sep-21	7	516589	6947389	870	Soil	50	B/C	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	Rocky Terrain
3869284	Phil Severinsen	8-Sep-21	7	516580	6947269	882	Soil	40	B	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	
3869285	Phil Severinsen	8-Sep-21	7	516571	6947176	888	Soil	50	B	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	
3869286	Phil Severinsen	8-Sep-21	7	516549	6947081	894	Soil	70	B	Light Brown	Weathered Bedrock	Partially Frozen	Deciduous Forest	Ridge Top	
3869287	Phil Severinsen	8-Sep-21	7	516541	6946979	898	Soil	60	B/C	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	
3869288	Phil Severinsen	8-Sep-21	7	516518	6946882	901	Soil	60	B/C	Light Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	Bright Orange Rust
3869289	Phil Severinsen	8-Sep-21	7	516493	6946784	903	Soil	50	B/C	Light Grey	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	Bright Orange Rust
3869290	Phil Severinsen	8-Sep-21	7	516499	6946683	904	Soil	40	B/C	Greenish Grey	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	
3869291	Phil Severinsen	8-Sep-21	7	516500	6946582	906	Soil	60	B/C	Light Grey	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	Bright Orange Rust
3869292	Phil Severinsen	8-Sep-21	7	516507	6946481	910	Soil	80	B/C	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	Rusty Rock Chips
3869293	Phil Severinsen	8-Sep-21	7	516519	6946385	917	Soil	50	B	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	
3869294	Phil Severinsen	8-Sep-21	7	516539	6946281	927	Soil	90	B/C	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	Bright Orange Rust
3869295	Phil Severinsen	8-Sep-21	7	516559	6946188	933	Soil	70	B	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	
3869296	Phil Severinsen	8-Sep-21	7	516575	6946088	940	Soil	50	B	Light Brown	Weathered Bedrock	Partially Frozen	Deciduous Forest	Ridge Top	
3869297	Phil Severinsen	8-Sep-21	7	516589	6945990	947	Soil	90	C	Light Brown	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	Quartz Chips, Bright Orange Rust
3869298	Phil Severinsen	8-Sep-21	7	516572	6945889	961	Soil	50	B/C	Light Grey	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	Quartz Chips, Bright Orange Rust
3869299	Phil Severinsen	8-Sep-21	7	516558	6945793	971	Soil	50	B	Light Grey	Weathered Bedrock	Partially Frozen	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869300	Phil Severinsen	8-Sep-21	7	516536	6945695	981	Soil	40	B	Light Grey	Weathered Bedrock	Partially Frozen	Evergreen Forest	Ridge Top	Rocky Terrain
3869301	Clayton Jones	7-Sep-21	7	512104	6943961	828	soil	60	c	brown	weathered bedrock	moist	burn	ridge top	
3869302	Clayton Jones	7-Sep-21	7	512199	6943988	826	soil	50	bc	brown	weathered bedrock	moist	burn	ridge top	
3869303	Clayton Jones	7-Sep-21	7	512297	6944014	832	soil	75	c	orange	weathered bedrock	moist	burn	ridge top	orange clay rich
3869304	Clayton Jones	7-Sep-21	7	512376	6944066	822	soil	40	bc	brown	weathered bedrock	moist	mix	ridge top	poor sample
3869305	Clayton Jones	7-Sep-21	7	512419	6944158	803	soil	50	bc	dark grey	weathered bedrock	wet/permafrost	mix	saddle	black gougey rocky sample, wet permafrost
3869306	Clayton Jones	7-Sep-21	7	512457	6944249	802	soil	75	c	brown	weathered bedrock	moist	mix	saddle	speckled brown and grey, clay rich
3869307	Clayton Jones	7-Sep-21	7	512501	6944341	817	soil	60	c	grey	weathered bedrock	moist	mix	ridge top	graphite schist
3869308	Clayton Jones	7-Sep-21	7	512546	6944427	812	soil	90	c	light brown	weathered bedrock	moist	mix	ridge top	white quartz chips
3869309	Clayton Jones	7-Sep-21	7	512584	6944519	834	soil	40	c	light brown	weathered bedrock	moist	mix	ridge top	
3869310	Clayton Jones	7-Sep-21	7	512621	6944614	861	soil	40	c	light brown	weathered bedrock	moist	mix	ridge top	

GENERAL			LOCATION				SAMPLE								
Sample ID	User	Date	Zone	Easting	Northing	Altitude (m)	Material	Sample Depth (cm)	Horizon Sampled	Sample Colour	Parent Material	Moisture Content	Vegetation Cover	Topo Position	Notes
3869311	Clayton Jones	7-Sep-21	7	512670	6944702	875	soil	70	c	grey	weathered bedrock	moist	mix	ridge top	
3869312	Clayton Jones	7-Sep-21	7	512721	6944790	889	soil	50	c	brown	weathered bedrock	moist	mix	ridge top	
3869313	Clayton Jones	7-Sep-21	7	512765	6944884	892	soil	50	c	brown	weathered bedrock	moist	mix	ridge top	
3869314	Clayton Jones	7-Sep-21	7	512783	6944982	881	soil	50	c	brown	weathered bedrock	moist	mix	ridge top	
3869315	Clayton Jones	7-Sep-21	7	512793	6945069	871	soil	40	c	brown	weathered bedrock	dry	mix	ridge top	quartz chips
3869316	Clayton Jones	7-Sep-21	7	512794	6945169	887	soil	30	c	brown	weathered bedrock	dry	mix	ridge top	quartz chips
3869317	Clayton Jones	7-Sep-21	7	512818	6945269	906	soil	50	c	brown	weathered bedrock	dry	mix	ridge top	
3869318	Clayton Jones	7-Sep-21	7	512846	6945364	913	soil	30	c	brown	weathered bedrock	dry	mix	ridge top	
3869319	Clayton Jones	7-Sep-21	7	512843	6945464	937	soil	60	c	brown	weathered bedrock	dry	mix	ridge top	
3869320	Clayton Jones	7-Sep-21	7	512865	6945561	952	soil	75	b	brown	weathered bedrock	moist	mix	ridge top	
3869321	Clayton Jones	7-Sep-21	7	512849	6945659	963	soil	50	bc	brown	weathered bedrock	dry	mix	ridge top	
3869322	Clayton Jones	7-Sep-21	7	512848	6945758	970	soil	50	bc	brown	weathered bedrock	moist	mix	ridge top	
3869323	Clayton Jones	7-Sep-21	7	512893	6945851	980	soil	90	bc	brown	weathered bedrock	moist	mix	ridge top	
3869324	Clayton Jones	7-Sep-21	7	512920	6945951	989	soil	70	c	brown	weathered bedrock	moist	mix	ridge top	
3869325	Clayton Jones	7-Sep-21	7	512975	6946054	994	soil	80	b	brown	weathered bedrock	moist	mix	ridge top	
3869326	Clayton Jones	8-Sep-21	7	513237	6948794	865	soil	60	c	brown	weathered bedrock	moist	mix	slope	
3869327	Clayton Jones	8-Sep-21	7	513157	6948850	847	soil	60	c	brown	weathered bedrock	moist	mix	slope	
3869328	Clayton Jones	8-Sep-21	7	513328	6948763	876	soil	90	c	brown	weathered bedrock	moist	mix	slope	
3869329	Clayton Jones	8-Sep-21	7	513408	6948704	887	soil	80	bc	brown	weathered bedrock	moist	mix	slope	
3869330	Clayton Jones	8-Sep-21	7	513499	6948664	902	soil	80	bc	brown	weathered bedrock	moist	mix	slope	
3869331	Clayton Jones	8-Sep-21	7	513573	6948590	908	soil	60	b	brown	weathered bedrock	moist	mix	slope	poor sample
3869332	Clayton Jones	8-Sep-21	7	513659	6948538	918	soil	40	ab	dark brown	weathered bedrock	moist	mix	slope	rocky ab poor sample
3869333	Clayton Jones	8-Sep-21	7	513737	6948478	931	soil	60	bc	light brown	weathered bedrock	moist	mix	slope	qrtz chips
3869334	Clayton Jones	8-Sep-21	7	513827	6948435	943	soil	80	c	light brown	weathered bedrock	moist	mix	slope	
3869335	Clayton Jones	8-Sep-21	7	513924	6948405	954	soil	60	b	light brown	weathered bedrock	moist	mix	ridge top	
3869336	Clayton Jones	8-Sep-21	7	514003	6948341	965	soil	50	bc	brown	weathered bedrock	moist	mix	ridge top	
3869337	Clayton Jones	8-Sep-21	7	514089	6948288	973	soil	50	bc	brown	weathered bedrock	moist	mix	ridge top	
3869338	Clayton Jones	8-Sep-21	7	514135	6948200	970	soil	50	bc	brown	weathered bedrock	moist	mix	ridge top	
3869339	Clayton Jones	8-Sep-21	7	514185	6948112	980	soil	50	bc	brown	weathered bedrock	moist	mix	ridge top	
3869340	Clayton Jones	8-Sep-21	7	514224	6948021	980	soil	30	bc	brown	weathered bedrock	moist	mix	ridge top	
3869341	Clayton Jones	8-Sep-21	7	514271	6947931	984	soil	40	b	brown	weathered bedrock	moist	mix	ridge top	large rocks on surface, hard to get sample
3869342	Clayton Jones	8-Sep-21	7	514302	6947835	992	soil	30	bc	brown	weathered bedrock	moist	mix	ridge top	large rocks on surface, hard to get sample
3869343	Clayton Jones	8-Sep-21	7	514345	6947740	1000	soil	30	bc	brown	weathered bedrock	moist	mix	ridge top	oxi and quartz chips
3869344	Clayton Jones	8-Sep-21	7	514390	6947652	1002	soil	60	b	brown	weathered bedrock	moist	mix	ridge top	
3869345	Clayton Jones	8-Sep-21	7	514428	6947557	1007	soil	40	bc	brown	weathered bedrock	moist	mix	ridge top	
3869346	Clayton Jones	8-Sep-21	7	514459	6947459	1005	soil	40	b	brown	weathered bedrock	moist	mix	ridge top	
3869347	Clayton Jones	8-Sep-21	7	514494	6947373	1000	soil	40	bc	brown	weathered bedrock	moist	mix	ridge top	
3869348	Clayton Jones	8-Sep-21	7	514514	6947283	997	soil	40	bc	brown	weathered bedrock	moist	mix	ridge top	
3869349	Clayton Jones	8-Sep-21	7	514565	6947201	995	soil	40	bc	brown	weathered bedrock	moist	mix	ridge top	
3869350	Clayton Jones	8-Sep-21	7	514609	6947100	990	soil	50	bc	brown	weathered bedrock	moist	mix	ridge top	
3869351	Dan Ferraro	7-Sep-21	7	511431	6947479	817	soil	40-50	c	brown-grey	weathered bedrock	dry	coniferous	gentle slope	
3869352	Dan Ferraro	7-Sep-21	7	511457	6947380	825	soil	50-60	c	brown-grey	weathered bedrock	dry	coniferous	gentle slope	
3869353	Dan Ferraro	7-Sep-21	7	511491	6947283	832	soil	40-50	c	brown-grey	weathered bedrock	dry	coniferous	gentle slope	top of c horizon
3869354	Dan Ferraro	7-Sep-21	7	511523	6947184	838	soil	50-60	c	brown	weathered bedrock	dry	coniferous	gentle slope	
3869355	Dan Ferraro	7-Sep-21	7	511554	6947088	844	soil	30-40	b/c	brown	weathered bedrock	wet	coniferous	gentle slope	tough sampling. Very rocky. Coarse chips.
3869356	Dan Ferraro	7-Sep-21	7	511583	6946998	855	soil	40-50	c	brown-grey	weathered bedrock	dry	coniferous	gentle slope	micaceous, qtz, qtzite. Very rocky
3869357	Dan Ferraro	7-Sep-21	7	511626	6946910	876	soil	50-60	b/c	grey-brown	weathered bedrock	damp	coniferous	gentle slope	silty and rocky
3869358	Dan Ferraro	7-Sep-21	7	511672	6946816	891	soil	60-70	b/c	grey-brown	weathered bedrock	damp	coniferous	gentle slope	silty and rocky. Weak oxi
3869359	Dan Ferraro	7-Sep-21	7	511702	6946721	911	soil	60-70	b/c	tan	weathered bedrock	dry	coniferous	gentle slope	silty, rocky. Large chips. Weak oxi RC. Schist
3869360	Dan Ferraro	7-Sep-21	7	511732	6946626	934	soil	30-40	b/c	brown	weathered bedrock	dry	mixed	gentle slope	rocky
3869361	Dan Ferraro	7-Sep-21	7	511841	6946509	941	soil	50-60	c	tan	weathered bedrock	damp	mixed	ridge top	
3869362	Dan Ferraro	7-Sep-21	7	512036	6946491	930	soil	60-70	c	brown	weathered bedrock	dry	mixed	ridge top	rocky
3869363	Dan Ferraro	7-Sep-21	7	512234	6946437	930	soil	40-50	c	lt brown	weathered bedrock	dry	mixed	ridge top	
3869364	Dan Ferraro	7-Sep-21	7	512424	6946401	936	soil	40-50	c	lt brown	weathered bedrock	dry	mixed	ridge top	rocky, tr oxi
3869365	Dan Ferraro	7-Sep-21	7	512611	6946327	954	soil	40-50	b	dk brown	weathered bedrock	wet	coniferous	ridge top	wet, permafrost but with oxi RC
3869366	Dan Ferraro	7-Sep-21	7	512788	6946241	972	soil	60-70	b/c	brown	weathered bedrock	damp	coniferous	ridge top	perma?
3869367	Dan Ferraro	7-Sep-21	7	512975	6946186	980	soil	40-50	b/c	brown	weathered bedrock	damp	mixed	gentle slope	perma? But rocky
3869368	Dan Ferraro	7-Sep-21	7	513171	6946128	978	soil	50-60	c	grey-brown	weathered bedrock	dry	mixed	ridge top	rocky
3869369	Dan Ferraro	7-Sep-21	7	513375	6946126	968	soil	40-50	c	lt brown	weathered bedrock	dry	mixed	ridge top	
3869370	Dan Ferraro	7-Sep-21	7	513470	6946112	962	soil	40-50	c	lt brown	weathered bedrock	dry	mixed	ridge top	
3869371	Dan Ferraro	7-Sep-21	7	513572	6946113	962	soil	50-60	c	lt brown-grey	weathered bedrock	dry	mixed	ridge top	minor ox RC
3869372	Dan Ferraro	7-Sep-21	7	513674	6946114	962	soil	60-70	c	grey	weathered bedrock	dry	mixed	ridge top	rocky
3869373	Dan Ferraro	7-Sep-21	7	513775	6946110	963	soil	50-60	c	tan	weathered bedrock	dry	mixed	ridge top	rocky

GENERAL			LOCATION				SAMPLE								
Sample ID	User	Date	Zone	Easting	Northing	Altitude (m)	Material	Sample Depth (cm)	Horizon Sampled	Sample Colour	Parent Material	Moisture Content	Vegetation Cover	Topo Position	Notes
3869374	Dan Ferraro	7-Sep-21	7	513871	6946090	961	soil	60-70	c	brown	weathered bedrock	dry	mixed	ridge top	minor ox RC
3869375	Dan Ferraro	7-Sep-21	7	513969	6946058	964	soil	60-70	c	brown	weathered bedrock	dry	mixed	ridge top	minor ox RC
3869376	Dan Ferraro	7-Sep-21	7	514074	6946074	966	soil	40-50	c	brown	weathered bedrock	dry	mixed	ridge top	ox rc
3869377	Dan Ferraro	8-Sep-21	7	514172	6946108	981	soil	30-40	c	lt brown	weathered bedrock	dry	mixed	ridge top	minor ox RC
3869378	Dan Ferraro	8-Sep-21	7	514258	6946156	990	soil	70-80	c	lt brown	weathered bedrock	dry	mixed	ridge top	
3869379	Dan Ferraro	8-Sep-21	7	514345	6946204	999	soil	40-50	c	lt brown	weathered bedrock	dry	mixed	ridge top	
3869380	Dan Ferraro	8-Sep-21	7	514431	6946253	1009	soil	40-50	c	brown	weathered bedrock	dry	mixed	ridge top	
3869381	Dan Ferraro	8-Sep-21	7	514518	6946298	1017	soil	40-50	c	brown	weathered bedrock	dry	mixed	ridge top	tr ox RC
3869382	Dan Ferraro	8-Sep-21	7	514603	6946357	1024	soil	70-80	c	lt brown	weathered bedrock	dry	mixed	ridge top	minor ox RC
3869383	Dan Ferraro	8-Sep-21	7	514607	6946973	992	soil	40-50	c	brown	weathered bedrock	dry	coniferous	ridge top	very nice ox RC
3869384	Dan Ferraro	8-Sep-21	7	514611	6946871	996	soil	70-80	b/c	lt brown	weathered bedrock	dry	coniferous	ridge top	strange soil profile, looks more like b deeper down. Fine ox RC
3869385	Dan Ferraro	8-Sep-21	7	514621	6946768	1001	soil	50-60	c	brown	weathered bedrock	dry	mixed	ridge top	minor ox RC
3869386	Dan Ferraro	8-Sep-21	7	514628	6946669	1009	soil	60-70	c	lt brown	weathered bedrock	dry	mixed	ridge top	rocky
3869387	Dan Ferraro	8-Sep-21	7	514633	6946566	1015	soil	30-40	c	lt brown	weathered bedrock	dry	mixed	ridge top	very rocky, tough sampling
3869388	Dan Ferraro	8-Sep-21	7	514651	6946468	1019	soil	40-50	c	brown	weathered bedrock	dry	mixed	ridge top	rocky
3869389	Dan Ferraro	8-Sep-21	7	514689	6946400	1018	soil	30-40	c	lt brown	weathered bedrock	dry	mixed	ridge top	rocky
3869390	Dan Ferraro	8-Sep-21	7	514750	6946323	1015	soil	80-90	b/c	brown	weathered bedrock	dry	mixed	ridge top	clay w ox RC
3869391	Dan Ferraro	8-Sep-21	7	514817	6946266	1009	soil	30-40	c	lt brown	weathered bedrock	dry	mixed	ridge top	rocky, minor ox RC
3869392	Dan Ferraro	8-Sep-21	7	514883	6946189	1003	soil	40-50	c	lt brown	weathered bedrock	dry	mixed	ridge top	c44. rocky, minor ox RC
3869393	Dan Ferraro	8-Sep-21	7	515975	6945329	994	soil	40-50	b/c	brown	weathered bedrock	damp	coniferous	ridge top	c30. boggy but nice ox RC
3869394	Dan Ferraro	8-Sep-21	7	515878	6945369	988	soil	40-50	b/c	brown	weathered bedrock	dry	coniferous	ridge top	tough sampling. Rocky. Minor ox RC
3869395	Dan Ferraro	8-Sep-21	7	515786	6945404	985	soil	40-50	b/c	grey-brown	weathered bedrock	damp	coniferous	ridge top	clayey. Decent ox RC with some qtz chips
3869396	Dan Ferraro	8-Sep-21	7	515703	6945450	982	soil	70-80	b/c	brown	weathered bedrock	damp	mixed	ridge top	clayey, rocky, minor ox RC
3869397	Dan Ferraro	8-Sep-21	7	515613	6945500	980	soil	70-80	b/c	brown	weathered bedrock	damp	mixed	ridge top	clayey, ox RC
3869398	Dan Ferraro	8-Sep-21	7	515519	6945549	978	soil	60-70	b/c	brown	weathered bedrock	dry	mixed	ridge top	ox RC, some clay
3869399	Dan Ferraro	8-Sep-21	7	515454	6945625	981	soil	70-80	b/c	brown	weathered bedrock	damp	mixed	ridge top	clay, minor ox RC
3869400	Dan Ferraro	8-Sep-21	7	515389	6945700	986	soil	40-50	c?	lt brown	weathered bedrock	dry	deciduous	ridge top	very dry
3869401	Dan Ferraro	8-Sep-21	7	515300	6945754	993	soil	30-40	c	lt brown	weathered bedrock	dry	deciduous	ridge top	
3869402	Dan Ferraro	8-Sep-21	7	515236	6945824	998	soil	60-70	c	lt brown	weathered bedrock	dry	deciduous	ridge top	ox RC
3869403	Dan Ferraro	8-Sep-21	7	515183	6945909	1002	soil	40-50	c	lt brown	weathered bedrock	dry	mixed	ridge top	minor ox RC
3869404	Dan Ferraro	8-Sep-21	7	515125	6945997	1000	soil	50-60	b/c	brown	weathered bedrock	damp	mixed	ridge top	clayey but lots of RC
3869405	Dan Ferraro	8-Sep-21	7	515047	6946065	1001	soil	70-80	b/c	brown	weathered bedrock	damp	mixed	ridge top	clayey, rocky
3869406	Dan Ferraro	8-Sep-21	7	514961	6946120	1001	soil	40-50	b/c	brown	weathered bedrock	dry	mixed	ridge top	minor clay, rocky
3869407	Dan Ferraro	9-Sep-21	7	516881	6944319	970	soil	50-60	c?	brown-grey	weathered bedrock	dry	deciduous	ridge top	tr ox RC
3869408	Dan Ferraro	9-Sep-21	7	516921	6944219	956	soil	60-70	b/c	brown-grey	weathered bedrock	dry	deciduous	ridge top	
3869409	Dan Ferraro	9-Sep-21	7	516965	6944130	945	soil	50-60	c	brown-grey	weathered bedrock	dry	deciduous	ridge top	minor ox RC
3869410	Dan Ferraro	9-Sep-21	7	517033	6944050	934	soil	70-80	c	lt brown	weathered bedrock	dry	deciduous	ridge top	rocky
3869411	Dan Ferraro	9-Sep-21	7	517085	6943971	925	soil	80-90	c	lt brown	weathered bedrock	dry	mixed	ridge top	rocky
3869412	Dan Ferraro	9-Sep-21	7	517135	6943878	917	soil	70-80	c	lt brown	weathered bedrock	dry	mixed	ridge top	rocky, nice ox RC, maybe 30% of rocks are oxidized
3869413	Dan Ferraro	9-Sep-21	7	517184	6943796	909	soil	40-50	b/c	lt brown	weathered bedrock	dry	mixed	ridge top	tough to get into c here
3869414	Dan Ferraro	9-Sep-21	7	517221	6943705	901	soil	40-50	c	lt brown	weathered bedrock	dry	mixed	ridge top	very rocky, micaceous
3869415	Dan Ferraro	9-Sep-21	7	517258	6943614	905	soil	90-100	b/c	brown	weathered bedrock	damp	mixed	ridge top	mostly silt, hit solid rock at very bottom
3869416	Dan Ferraro	9-Sep-21	7	517298	6943522	913	soil	40-50	b/c	brown	weathered bedrock	dry	mixed	ridge top	rocky, tough sampling
3869417	Dan Ferraro	9-Sep-21	7	517336	6943429	921	soil	60-70	b/c	brown	weathered bedrock	damp	mixed	ridge top	rocky
3869418	Dan Ferraro	9-Sep-21	7	517365	6943331	933	soil	40-50	b	brown-dk grey	weathered bedrock	dry	mixed	ridge top	very rocky
3869419	Dan Ferraro	9-Sep-21	7	517400	6943236	941	soil	110-120	b/c	grey	weathered bedrock	damp	mixed	ridge top	got into grey clay and micaceous rock at 90cm
3869420	Dan Ferraro	9-Sep-21	7	517401	6943141	945	soil	50-60	c	lt brown-grey	weathered bedrock	dry	deciduous	ridge top	rocky
3869421	Dan Ferraro	9-Sep-21	7	517400	6943044	945	soil	80-90	c	grey	weathered bedrock	dry	mixed	ridge top	micaceous, very nice ox RC
3869422	Dan Ferraro	9-Sep-21	7	517394	6942945	942	soil	50-60	c	lt brown	weathered bedrock	dry	deciduous	ridge top	nice ox RC
3869423	Dan Ferraro	9-Sep-21	7	517358	6942852	937	soil	50-60	c	lt brown	weathered bedrock	dry	deciduous	ridge top	rocky, minor ox RC
3869424	Dan Ferraro	9-Sep-21	7	517306	6942765	939	soil	90-100	c	tan	weathered bedrock	dry	mixed	ridge top	clayey, very nice ox RC
3869425	Dan Ferraro	9-Sep-21	7	517241	6942691	942	soil	90-100	c	lt brown	weathered bedrock	dry	mixed	ridge top	micaceous RC, minor ox
3869426	Dan Ferraro	10-Sep-21	7	516592	6939912	810	soil	30-40	c	lt brown-grey	weathered bedrock	dry	deciduous	ridge top	rocky
3869427	Dan Ferraro	10-Sep-21	7	516640	6940002	820	soil	70-80	c	lt brown	weathered bedrock	dry	mixed	ridge top	tr ox RC
3869428	Dan Ferraro	10-Sep-21	7	516728	6940058	822	soil	80-90	c	lt brown-grey	weathered bedrock	dry	coniferous	ridge top	minor ox RC
3869429	Dan Ferraro	10-Sep-21	7	516771	6940150	827	soil	40-50	c	lt brown	weathered bedrock	dry	deciduous	gentle slope	
3869430	Dan Ferraro	10-Sep-21	7	516795	6940250	842	soil	40-50	c	lt brown	weathered bedrock	dry	mixed	gentle slope	
3869431	Dan Ferraro	10-Sep-21	7	516828	6940350	857	soil	40-50	b/c	lt brown	weathered bedrock	dry	mixed	gentle slope	
3869432	Dan Ferraro	10-Sep-21	7	516832	6940447	867	soil	70-80	c	lt brown-grey	weathered bedrock	dry	mixed	gentle slope	
3869433	Dan Ferraro	10-Sep-21	7	516799	6940541	876	soil	50-60	b/c	lt brown	weathered bedrock	dry	mixed	ridge top	tough sampling

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Sample ID	User	Date	Zone	Easting	Northing	Altitude (m)	Material	Sample Depth (cm)	Horizon Sampled	Sample Colour	Parent Material	Moisture Content	Vegetation Cover	Topo Position	Notes
3869434	Dan Ferraro	10-Sep-21	7	516769	6940639	876	soil	90-100	b/c	brown	weathered bedrock	dry	mixed	ridge top	mix of brown b horizon and micaceous rock
3869435	Dan Ferraro	10-Sep-21	7	516740	6940736	874	soil	80-90	c	grey	weathered bedrock	dry	coniferous	ridge top	very micaceous
3869436	Dan Ferraro	10-Sep-21	7	516777	6940829	868	soil	40-50	b/c	lt brown	weathered bedrock	dry	coniferous	ridge top	micaceous layers in b horizon
3869437	Dan Ferraro	10-Sep-21	7	516788	6940930	864	soil	60-70	c	lt grey-brown	weathered bedrock	dry	mixed	ridge top	
3869438	Dan Ferraro	10-Sep-21	7	516787	6941032	862	soil	50-60	b/c	brown	weathered bedrock	dry	mixed	ridge top	minor ox RC
3869439	Dan Ferraro	10-Sep-21	7	516803	6941132	858	soil	110-120	c	tan-orange	weathered bedrock	dry	coniferous	ridge top	weird profile. Mica rich layer then brown b, then very nice orange mica mash at 105cm
3869440	Dan Ferraro	10-Sep-21	7	516843	6941224	858	soil	50-60	b/c	brown	weathered bedrock	dry	mixed	ridge top	some qtz chips, tough sampling
3869441	Dan Ferraro	10-Sep-21	7	516859	6941324	857	soil	50-60	c	grey	weathered bedrock	dry	mixed	ridge top	all mica, some qtz
3869442	Dan Ferraro	10-Sep-21	7	516857	6941426	861	soil	70-80	b/c	brown	weathered bedrock	dry	mixed	ridge top	mostly b w RC, tr ox
3869443	Dan Ferraro	10-Sep-21	7	516885	6941522	866	soil	70-80	b/c	brown	weathered bedrock	dry	mixed	ridge top	
3869444	Dan Ferraro	10-Sep-21	7	516897	6941623	868	soil	110-120	c	grey-lt brown	weathered bedrock	dry	mixed	ridge top	just got into c in last 10cm, minor ox RC
3869445	Dan Ferraro	10-Sep-21	7	516894	6941725	873	soil	90-100	c	grey	weathered bedrock	dry	mixed	ridge top	micaceous mash
3869446	Dan Ferraro	10-Sep-21	7	516904	6941825	873	soil	70-80	c	grey	weathered bedrock	dry	mixed	ridge top	
3869447	Dan Ferraro	10-Sep-21	7	516877	6941926	876	soil	80-90	c	lt grey	weathered bedrock	dry	mixed	ridge top	
3869448	Dan Ferraro	10-Sep-21	7	516863	6942024	879	soil	40-50	b/c	brown	weathered bedrock	dry	mixed	ridge top	tough sampling. Mix from a few holes in 10m radios. Some c is very shallow.
3869449	Dan Ferraro	10-Sep-21	7	516891	6942126	883	soil	70-80	c?	dk grey-brown	weathered bedrock	dry	deciduous	gentle slope	tr ox RC
3869450	Dan Ferraro	10-Sep-21	7	516934	6942216	893	soil	40-50	c?	lt brown	weathered bedrock	dry	mixed	gentle slope	rocky
3869451	Phil Severinsen	8-Sep-21	7	516516	6945596	992	Soil	60	B/C	Light Grey	Weathered Bedrock	Partially Frozen	Evergreen Forest	Ridge Top	Bright Orange Rust
3869452	Phil Severinsen	8-Sep-21	7	516464	6945513	1001	Soil	60	B/C	Light Grey	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869453	Phil Severinsen	8-Sep-21	7	516407	6945429	1011	Soil	50	B	Light Grey	Weathered Bedrock	Wet	Evergreen Forest	Ridge Top	
3869454	Phil Severinsen	8-Sep-21	7	516370	6945329	1020	Soil	50	B/C	Light Grey	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869455	Phil Severinsen	9-Sep-21	7	516080	6945322	1004	Soil	40	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Terrain
3869456	Phil Severinsen	9-Sep-21	7	516175	6945287	1015	Soil	50	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Terrain
3869457	Phil Severinsen	9-Sep-21	7	516269	6945249	1021	Soil	40	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869458	Phil Severinsen	9-Sep-21	7	516365	6945229	1021	Soil	60	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869459	Phil Severinsen	9-Sep-21	7	516362	6945131	1021	Soil	90	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869460	Phil Severinsen	9-Sep-21	7	516353	6945033	1019	Soil	50	B	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869461	Phil Severinsen	9-Sep-21	7	516368	6944921	1017	Soil	40	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869462	Phil Severinsen	9-Sep-21	7	516405	6944828	1017	Soil	50	B/C	Light Grey	Weathered Bedrock	Dry	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869463	Phil Severinsen	9-Sep-21	7	516482	6944753	1013	Soil	50	B/C	Light Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	
3869464	Phil Severinsen	9-Sep-21	7	516559	6944701	1006	Soil	60	B/C	Light Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	
3869465	Phil Severinsen	9-Sep-21	7	516649	6944619	998	Soil	50	B/C	Light Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	
3869466	Phil Severinsen	9-Sep-21	7	516708	6944556	991	Soil	80	B/C	Light Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	Bright Orange Rust
3869467	Phil Severinsen	9-Sep-21	7	516779	6944488	985	Soil	50	B/C	Light Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	Rusty Rock Chips
3869468	Phil Severinsen	9-Sep-21	7	516828	6944398	976	Soil	50	B/C	Light Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	
3869469	Phil Severinsen	10-Sep-21	7	515229	6941620	918	Soil	70	C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	
3869470	Phil Severinsen	10-Sep-21	7	515264	6941708	923	Soil	60	C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	
3869471	Phil Severinsen	10-Sep-21	7	515262	6941805	927	Soil	90	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869472	Phil Severinsen	10-Sep-21	7	515250	6941905	936	Soil	70	C	Light Grey	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rocky Sample
3869473	Phil Severinsen	10-Sep-21	7	515260	6942004	948	Soil	50	C	Light Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	Fine Sand, Bright Orange Rust
3869474	Phil Severinsen	10-Sep-21	7	515248	6942109	960	Soil	60	C	Light Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	Rusty Rock Chips
3869475	Phil Severinsen	10-Sep-21	7	515240	6942218	957	Soil	70	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	
3869476	Phil Severinsen	10-Sep-21	7	515238	6942282	963	Soil	60	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	
3869477	Phil Severinsen	10-Sep-21	7	515330	6942247	951	Soil	80	C	Light Grey	Weathered Bedrock	Wet	Evergreen Forest	Mid Slope	
3869478	Phil Severinsen	10-Sep-21	7	515424	6942210	944	Soil	50	B/C	Light Grey	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope	Rocky Sample
3869479	Phil Severinsen	10-Sep-21	7	515515	6942172	945	Soil	50	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	
3869480	Phil Severinsen	10-Sep-21	7	515610	6942174	936	Soil	60	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Mid Slope	Green Rock Chips
3869481	Phil Severinsen	10-Sep-21	7	515708	6942206	925	Soil	70	B/C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Brown Soil, Dark Grey Rock Chips
3869482	Phil Severinsen	10-Sep-21	7	515788	6942262	917	Soil	80	C	Light Brown	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869483	Phil Severinsen	10-Sep-21	7	515875	6942312	911	Soil	60	B/C	Light Brown	Weathered Bedrock	Dry	Evergreen Forest	Ridge Top	
3869484	Phil Severinsen	10-Sep-21	7	515949	6942375	912	Soil	50	B/C	Light Brown	Weathered Bedrock	Dry	Evergreen Forest	Ridge Top	Bright Orange Rust
3869485	Phil Severinsen	10-Sep-21	7	516010	6942467	917	Soil	50	C	Light Grey	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	
3869486	Phil Severinsen	10-Sep-21	7	516108	6942513	912	Soil	60	B/C	Light Brown	Weathered Bedrock	Dry	Evergreen Forest	Ridge Top	Fine Sand, Rusty Rock Chips
3869487	Phil Severinsen	10-Sep-21	7	516221	6942541	906	Soil	100	C	Blue Grey	Weathered Bedrock	Dry	Evergreen Forest	Ridge Top	
3869488	Phil Severinsen	10-Sep-21	7	516317	6942536	895	Soil	70	C	Blue Grey	Weathered Bedrock	Dry	Evergreen Forest	Ridge Top	
3869489	Phil Severinsen	10-Sep-21	7	516408	6942538	887	Soil	60	B/C	Light Brown	Weathered Bedrock	Dry	Evergreen Forest	Ridge Top	
3869490	Phil Severinsen	10-Sep-21	7	516502	6942567	889	Soil	90	C	Light Brown	Weathered Bedrock	Dry	Evergreen Forest	Ridge Top	Bright Orange Rust
3869491	Phil Severinsen	10-Sep-21	7	516599	6942605	897	Soil	50	B/C	Light Brown	Weathered Bedrock	Dry	Evergreen Forest	Ridge Top	Quartz Chips, Bright Orange Rust
3869492	Phil Severinsen	10-Sep-21	7	516686	6942642	906	Soil	60	B/C	Light Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	Rusty Rock Chips
3869493	Phil Severinsen	10-Sep-21	7	516782	6942683	916	Soil	70	C	Light Brown	Weathered Bedrock	Dry	Deciduous Forest	Ridge Top	
3869494	Phil Severinsen	10-Sep-21	7	516873	6942689	926	Soil	60	C	Light Grey	Weathered Bedrock	Dry	Evergreen Forest	Ridge Top	Quartz Chips

GENERAL			LOCATION				SAMPLE								
Sample ID	User	Date	Zone	Easting	Northing	Altitude (m)	Material	Sample Depth (cm)	Horizon Sampled	Sample Colour	Parent Material	Moisture Content	Vegetation Cover	Topo Position	Notes
3869495	Phil Severinsen	10-Sep-21	7	516966	6942682	932	Soil	70	C	Dark Grey	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	Rusty Rock Chips
3869496	Phil Severinsen	10-Sep-21	7	517062	6942649	939	Soil	80	B/C	Light Grey	Weathered Bedrock	Moist	Evergreen Forest	Ridge Top	
3869497	Phil Severinsen	10-Sep-21	7	517164	6942640	941	Soil	50	B/C	Light Grey	Weathered Bedrock	Moist	Deciduous Forest	Ridge Top	
2010501	Clayton Jones	9-Sep-21	7	517483	6943169	943	soil	100	c	light brown	weathered bedrock	moist	mix	ridge top	oxi rusty chips
2010502	Clayton Jones	9-Sep-21	7	517582	6943192	926	soil	70	c	light brown	weathered bedrock	moist	mix	ridge top	
2010503	Clayton Jones	9-Sep-21	7	517670	6943237	926	soil	80	c	light brown	weathered bedrock	moist	mix	ridge top	quartz chips rusty
2010504	Clayton Jones	9-Sep-21	7	517766	6943274	925	soil	100	c	light brown	weathered bedrock	moist	mix	ridge top	
2010505	Clayton Jones	9-Sep-21	7	517849	6943325	940	soil	70	bc	brown	weathered bedrock	moist	mix	ridge top	
2010506	Clayton Jones	9-Sep-21	7	517913	6943403	935	soil	50	c	brown	weathered bedrock	moist	mix	ridge top	
2010507	Clayton Jones	9-Sep-21	7	518009	6943434	942	soil	50	b	brown	weathered bedrock	permafrost	mix	ridge top	
2010508	Clayton Jones	9-Sep-21	7	518103	6943456	948	soil	110	c	grey	weathered bedrock	moist	mix	ridge top	blue grey graphite / shear?
2010509	Clayton Jones	9-Sep-21	7	518183	6943506	944	soil	70	c	brown	weathered bedrock	moist	mix	ridge top	
2010510	Clayton Jones	9-Sep-21	7	518223	6943595	941	soil	50	c	grey	weathered bedrock	moist	mix	ridge top	
2010511	Clayton Jones	9-Sep-21	7	518254	6943687	936	soil	50	bc	brown	weathered bedrock	wet	mix	ridge top	very wet at bottom of hole (ground water)
2010512	Clayton Jones	9-Sep-21	7	518320	6943762	929	soil	60	c	light brown	weathered bedrock	moist	mix	ridge top	
2010513	Clayton Jones	9-Sep-21	7	518404	6943816	923	soil	40	c	light brown	weathered bedrock	moist	mix	ridge top	
2010514	Clayton Jones	9-Sep-21	7	518493	6943856	910	soil	50	c	light brown	weathered bedrock	moist	mix	ridge top	
2010515	Clayton Jones	9-Sep-21	7	518582	6943895	900	soil	50	c	light brown	weathered bedrock	moist	mix	ridge top	
2010516	Clayton Jones	9-Sep-21	7	518680	6943911	888	soil	40	c	light brown	weathered bedrock	moist	mix	ridge top	
2010517	Clayton Jones	9-Sep-21	7	518779	6943925	883	soil	40	c	light brown	weathered bedrock	moist	mix	ridge top	
2010518	Clayton Jones	9-Sep-21	7	518866	6943973	881	soil	30	c	brown	weathered bedrock	moist	mix	ridge top	
2010519	Clayton Jones	9-Sep-21	7	518145	6943533	951	soil	75	c	light brown	weathered bedrock	wet	mix	ridge top	random sample, quartz vein float ontop in game trail, oxi clay rich soil
2010520	Clayton Jones	9-Sep-21	7	518094	6943387	953	soil	60	c	light brown	weathered bedrock	moist	mix	ridge top	random sample
2010521	Clayton Jones	10-Sep-21	7	515161	6941545	909	soil	80	c	light brown	weathered bedrock	moist	mix	ridge top	
2010522	Clayton Jones	10-Sep-21	7	515079	6941493	915	soil	60	c	light brown	weathered bedrock	moist	mix	ridge top	
2010523	Clayton Jones	10-Sep-21	7	515005	6941424	912	soil	40	bc	brown	weathered bedrock	moist	mix	ridge top	
2010524	Clayton Jones	10-Sep-21	7	514955	6941338	907	soil	70	bc	brown	weathered bedrock	moist	mix	ridge top	
2010525	Clayton Jones	10-Sep-21	7	514892	6941259	909	soil	100	c	light brown	weathered bedrock	moist	mix	ridge top	
2010526	Clayton Jones	10-Sep-21	7	514820	6941186	907	soil	50	bc	brown	weathered bedrock	moist	mix	ridge top	
2010527	Clayton Jones	10-Sep-21	7	514802	6941088	910	soil	50	bc	brown	weathered bedrock	moist	mix	ridge top	
2010528	Clayton Jones	10-Sep-21	7	514762	6940991	911	soil	50	bc	brown	weathered bedrock	moist	mix	ridge top	
2010529	Clayton Jones	10-Sep-21	7	514675	6940939	920	soil	50	bc	brown	weathered bedrock	moist	mix	ridge top	
2010530	Clayton Jones	10-Sep-21	7	514592	6940878	921	soil	50	bc	brown	weathered bedrock	moist	mix	ridge top	
2010531	Clayton Jones	10-Sep-21	7	514493	6940839	929	soil	50	bc	brown	weathered bedrock	moist	mix	ridge top	
2010532	Clayton Jones	10-Sep-21	7	514396	6940808	936	soil	90	c	light brown	weathered bedrock	moist	mix	ridge top	
2010533	Clayton Jones	10-Sep-21	7	514300	6940775	939	soil	60	c	light brown	weathered bedrock	moist	mix	ridge top	
2010534	Clayton Jones	10-Sep-21	7	514224	6940710	939	soil	80	c	brown	weathered bedrock	moist	mix	ridge top	
2010535	Clayton Jones	10-Sep-21	7	514135	6940662	933	soil	40	bc	brown	weathered bedrock	moist	mix	ridge top	
2010536	Clayton Jones	10-Sep-21	7	514039	6940653	923	soil	40	bc	light brown	weathered bedrock	moist	mix	ridge top	
2010537	Clayton Jones	10-Sep-21	7	513940	6940629	903	soil	40	b	light brown	weathered bedrock	moist	mix	ridge top	
2010538	Clayton Jones	10-Sep-21	7	513838	6940587	889	soil	50	b	light brown	weathered bedrock	moist	mix	ridge top	
2010539	Clayton Jones	10-Sep-21	7	513730	6940603	872	soil	70	bc	light brown	weathered bedrock	moist	mix	ridge top	
2010540	Clayton Jones	10-Sep-21	7	513624	6940606	855	soil	40	b	brown	weathered bedrock	moist	mix	ridge top	
2010541	Clayton Jones	10-Sep-21	7	513472	6940615	822	soil	30	b	brown	weathered bedrock	moist	mix	ridge top	
2010542	Clayton Jones	10-Sep-21	7	513337	6940553	798	soil	30	b	brown	weathered bedrock	moist	mix	ridge top	
2010543	Clayton Jones	10-Sep-21	7	513193	6940547	781	soil	30	b	brown	weathered bedrock	moist	mix	ridge top	
2010544	Clayton Jones	10-Sep-21	7	513055	6940598	784	soil	40	b	brown	weathered bedrock	moist	mix	ridge top	
2010545	Clayton Jones	11-Sep-21	7	515150	6942332	969	soil	80	c	light brown	weathered bedrock	moist	mix	ridge top	
2010546	Clayton Jones	11-Sep-21	7	515084	6942409	968	soil	40	b	dark brown	weathered bedrock	moist	mix	ridge top	
2010547	Clayton Jones	11-Sep-21	7	515024	6942490	964	soil	70	b	brown	weathered bedrock	moist	mix	ridge top	
2010548	Clayton Jones	11-Sep-21	7	514926	6942518	965	soil	70	bc	brown	weathered bedrock	moist	mix	ridge top	
2010549	Clayton Jones	11-Sep-21	7	514843	6942577	960	soil	60	b	brown	weathered bedrock	moist	mix	ridge top	
2010550	Clayton Jones	11-Sep-21	7	514765	6942640	963	soil	60	b	brown	weathered bedrock	moist	mix	ridge top	
2010551	Dan Ferraro	10-Sep-21	7	516978	6942308	903	soil	40-50	c?	lt grey-brown	weathered bedrock	dry	deciduous	gentle slope	rocky
2010552	Dan Ferraro	10-Sep-21	7	517037	6942383	916	soil	90-100	b/c	brown	weathered bedrock	dry	mixed	gentle slope	minor ox RC
2010553	Dan Ferraro	10-Sep-21	7	517075	6942472	927	soil	40-50	c?	lt brown	weathered bedrock	dry	deciduous	gentle slope	
2010554	Dan Ferraro	10-Sep-21	7	517109	6942565	939	soil	30-40	c?	lt brown	weathered bedrock	dry	deciduous	gentle slope	
2010555	Dan Ferraro	11-Sep-21	7	516376	6944754	1018	soil	30-40	b/c	lt brown	weathered bedrock	dry	mixed	gentle slope	
2010556	Dan Ferraro	11-Sep-21	7	516304	6944679	1006	soil	40-50	b/c	lt brown	weathered bedrock	dry	mixed	gentle slope	
2010557	Dan Ferraro	11-Sep-21	7	516217	6944632	992	soil	40-50	b/c	lt brown	weathered bedrock	dry	deciduous	gentle slope	
2010558	Dan Ferraro	11-Sep-21	7	516122	6944605	977	soil	50-60	b/c	lt brown	weathered bedrock	dry	deciduous	gentle slope	
2010559	Dan Ferraro	11-Sep-21	7	516027	6944571	956	soil	50-60	b/c	lt brown	weathered bedrock	dry	deciduous	gentle slope	

GENERAL			LOCATION				SAMPLE								
Sample ID	User	Date	Zone	Easting	Northing	Altitude (m)	Material	Sample Depth (cm)	Horizon Sampled	Sample Colour	Parent Material	Moisture Content	Vegetation Cover	Topo Position	Notes
2010560	Dan Ferraro	11-Sep-21	7	515942	6944514	931	soil	40-50	b/c	lt brown	weathered bedrock	dry	deciduous	gentle slope	tough sampling
2010561	Dan Ferraro	11-Sep-21	7	515852	6944466	909	soil	70-80	b/c	lt brown	weathered bedrock	dry	mixed	gentle slope	
2010562	Dan Ferraro	11-Sep-21	7	515765	6944419	894	soil	50-60	b/c	lt brown-grey	weathered bedrock	dry	mixed	gentle slope	
2010563	Dan Ferraro	11-Sep-21	7	515675	6944378	878	soil	80-90	c	tan-grey	weathered bedrock	dry	coniferous	gentle slope	micaceous mash at 70cm, nice sample
2010564	Dan Ferraro	11-Sep-21	7	515575	6944360	865	soil	60-70	b/c	brown	weathered bedrock	dry	coniferous	gentle slope	minor ox RC
2010565	Dan Ferraro	11-Sep-21	7	515472	6944334	848	soil	60-70	b/c	brown	weathered bedrock	dry	coniferous	gentle slope	ox RC
2010566	Dan Ferraro	11-Sep-21	7	515390	6944279	829	soil	80-90	c	grey-brown	weathered bedrock	dry	coniferous	gentle slope	miaceous, tr ox
2010567	Dan Ferraro	11-Sep-21	7	515289	6944255	807	soil	70-80	c	grey-brown	weathered bedrock	dry	coniferous	gentle slope	miaceous, tr ox
2010568	Dan Ferraro	11-Sep-21	7	515210	6944203	790	soil	60-70	c	grey	weathered bedrock	dry	coniferous	gentle slope	miaceous, tr ox
2010569	Dan Ferraro	11-Sep-21	7	515108	6944189	774	soil	60-70	c?	grey-brown	weathered bedrock	dry	coniferous	gentle slope	just into c, mica, minor ox RC
2010570	Dan Ferraro	11-Sep-21	7	515009	6944169	761	soil	60-70	b/c	lt brown-grey	weathered bedrock	dry	coniferous	gentle slope	mostly c
2010571	Dan Ferraro	11-Sep-21	7	514909	6944138	742	soil	80-90	b/c	brown	weathered bedrock	dry	coniferous	gentle slope	rocky, some qtz
2010572	Dan Ferraro	11-Sep-21	7	514811	6944118	726	soil	50-60	c?	lt grey-brown	weathered bedrock	dry	mixed	gentle slope	minor ox RC
2010573	Dan Ferraro	11-Sep-21	7	514717	6944072	706	soil	30-40	c?	lt brown-grey	weathered bedrock	dry	deciduous	gentle slope	minor ox RC
2010574	Dan Ferraro	11-Sep-21	7	514618	6944050	691	soil	30-40	b/c?	lt brown	weathered bedrock	dry	deciduous	gentle slope	oxidized rock float nearby
2010601	Clayton Jones	11-Sep-21	7	514678	6942687	963	soil	60	b	brown	weathered bedrock	moist	mix	ridge top	
2010602	Clayton Jones	11-Sep-21	7	514585	6942730	962	soil	50	b	brown	weathered bedrock	moist	mix	ridge top	
2010603	Clayton Jones	11-Sep-21	7	514492	6942751	960	soil	50	b	brown	weathered bedrock	moist	mix	ridge top	grabbro float in samples
2010604	Clayton Jones	11-Sep-21	7	514404	6942801	954	soil	40	b	brown	weathered bedrock	moist	mix	ridge top	
2010605	Clayton Jones	11-Sep-21	7	514328	6942866	945	soil	50	b	brown	weathered bedrock	moist	mix	ridge top	
2010606	Clayton Jones	11-Sep-21	7	514264	6942941	924	soil	50	a/b	dark brown	organics/loess	permafrost	mix	slope	orgnaic mat on talus

Appendix III: Rock Grab Sample Assay Certificates



BUREAU VERITAS MINERAL LABORATORIES
Canada

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

Client: **Trailbreaker Resources**
#2110 – 650 West Georgia Street
Vancouver British Columbia V6B 4N8 Canada

Submitted By: Daithi Mac Gerailt
Receiving Lab: Canada-Whitehorse
Received: September 15, 2021
Analysis Start: October 19, 2021
Report Date: November 14, 2021
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI21000546.1

CLIENT JOB INFORMATION

Project: Atsutla
Shipment ID: CX-2021-Rock-01
P.O. Number
Number of Samples: 4

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 60 days

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

Invoice To: Trailbreaker Resources
#2110 – 650 West Georgia Street
Vancouver British Columbia V6B 4N8
Canada

CC: Clayton Jones
Dan F.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	4	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA350-Au	4	50g Fire assay fusion Au by ICP-ES	50	Completed	VAN
AQ200	4	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
SHP01	4	Per sample shipping charges for branch shipments			VAN
SLBHP	0	Sort, label and box pulps			WHI

ADDITIONAL COMMENTS



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



BUREAU VERITAS MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: Trailbreaker Resources
#2110 – 650 West Georgia Street
Vancouver British Columbia V6B 4N8 Canada

Project: Atsutla
Report Date: November 14, 2021

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI21000546.1

Method	WGHT	FA350	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	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	0.1	
2010236	Rock	1.35	<2	0.3	2.8	3.5	6	<0.1	1.6	1.4	109	0.48	<0.5	<0.1	<0.5	0.7	2	<0.1	<0.1	<0.1	
2010237	Rock	1.30	<2	0.3	7.9	25.2	20	<0.1	2.7	2.0	163	0.98	1.6	0.2	<0.5	3.5	7	<0.1	<0.1	0.3	
2010238	Rock	0.99	<2	0.5	5.7	9.4	19	<0.1	3.9	1.5	361	0.66	1.6	0.3	<0.5	5.0	86	<0.1	<0.1	<0.1	
2010239	Rock	0.61	<2	0.5	22.6	7.1	60	<0.1	26.3	12.5	1371	2.98	1.0	0.4	<0.5	5.4	28	<0.1	0.1	<0.1	



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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Client: Trailbreaker Resources
#2110 – 650 West Georgia Street
Vancouver British Columbia V6B 4N8 Canada

Project: Atsutla
Report Date: November 14, 2021

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI21000546.1

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Ca	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	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
2010236	Rock	0.02	0.005	1	3	0.07	10	<0.001	<20	0.13	0.012	0.03	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
2010237	Rock	0.26	0.019	4	5	0.24	21	0.007	<20	0.43	0.038	0.06	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
2010238	Rock	2.35	0.007	10	4	0.04	26	0.001	<20	0.09	0.006	0.04	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2
2010239	Rock	0.05	0.021	6	8	0.07	56	0.005	<20	0.30	0.009	0.04	<0.1	<0.01	1.9	<0.1	<0.05	1	<0.5	<0.2



Bureau Veritas Commodities Canada Ltd.
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Project: Atsutla
Report Date: November 14, 2021

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

WHI21000546.1

Method	WGHT	FA350	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	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	
Pulp Duplicates																					
2010236	Rock	1.35	<2	0.3	2.8	3.5	6	<0.1	1.6	1.4	109	0.48	<0.1	<0.5	0.7	2	<0.1	<0.1	<0.1	1	
REP 2010236	QC		<2																		
2010237	Rock	1.30	<2	0.3	7.9	25.2	20	<0.1	2.7	2.0	163	0.98	1.6	0.2	<0.5	3.5	7	<0.1	<0.1	0.3	4
REP 2010237	QC			0.3	8.7	25.9	20	<0.1	2.8	2.0	166	0.99	1.8	0.3	<0.5	3.9	7	<0.1	<0.1	0.3	4
Reference Materials																					
STD DS11	Standard			12.0	141.9	124.8	322	1.9	73.8	12.4	958	2.87	41.1	2.3	93.2	7.3	59	2.2	6.6	10.9	44
STD OREAS262	Standard			0.6	112.9	55.0	147	0.4	63.2	26.9	522	3.13	35.5	1.2	47.5	9.6	34	0.6	2.5	1.0	20
STD OREAS232	Standard		901																		
STD OXA147	Standard		84																		
STD DS11 Expected				13.9	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50
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	3.39	1.03	22.5
STD OXA147 Expected			82																		
STD OREAS232 Expected			902																		
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	
BLK	Blank		<2																		
Prep Wash																					
ROCK-WHI	Prep Blank		<2	0.8	3.8	1.1	26	<0.1	1.0	3.2	426	1.66	1.0	0.4	<0.5	2.9	17	<0.1	<0.1	<0.1	19



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

Client: Trailbreaker Resources
#2110 – 650 West Georgia Street
Vancouver British Columbia V6B 4N8 Canada

Project: Atsutla
Report Date: November 14, 2021

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

WHI21000546.1

Method		AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	
Analyte		Ca	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		0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																				
2010236	Rock	0.02	0.005	1	3	0.07	10	<0.001	<20	0.13	0.012	0.03	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
REP 2010236	QC																			
2010237	Rock	0.26	0.019	4	5	0.24	21	0.007	<20	0.43	0.038	0.06	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5	<0.2
REP 2010237	QC	0.27	0.021	4	5	0.24	23	0.007	<20	0.44	0.039	0.06	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
Reference Materials																				
STD DS11	Standard	0.96	0.066	16	54	0.78	383	0.088	<20	1.03	0.067	0.37	2.8	0.26	3.1	4.4	0.26	4	2.1	4.0
STD OREAS262	Standard	2.83	0.037	15	39	1.10	240	0.003	<20	1.14	0.065	0.29	0.1	0.17	3.2	0.4	0.25	3	<0.5	0.3
STD OREAS232	Standard																			
STD OXA147	Standard																			
STD DS11 Expected		1.063	0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	0.26	3.1	4.9	0.2835	4.7	2.2	4.56
STD OREAS262 Expected		2.98	0.04	15.9	41.7	1.17	248	0.003		1.3	0.071	0.312	0.13	0.17	3.24	0.47	0.269	3.9	0.4	0.23
STD OXA147 Expected																				
STD OREAS232 Expected																				
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																			
Prep Wash																				
ROCK-WHI	Prep Blank	0.48	0.038	6	3	0.42	43	0.074	<20	0.70	0.066	0.07	<0.1	<0.01	2.3	<0.1	<0.05	3	<0.5	<0.2

Appendix IV: Soil Sample Assay Certificates



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

Client: **Trailbreaker Resources**
#2110 – 650 West Georgia Street
Vancouver British Columbia V6B 4N8 Canada

Submitted By: Daithi Mac Gerailt
Receiving Lab: Canada-Whitehorse
Received: September 15, 2021
Analysis Start: November 03, 2021
Report Date: November 13, 2021
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI21000547.1

CLIENT JOB INFORMATION

Project: Atsutla
Shipment ID: CX-2021-Soil-01
P.O. Number
Number of Samples: 327

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

Invoice To: Trailbreaker Resources
#2110 – 650 West Georgia Street
Vancouver British Columbia V6B 4N8
Canada

CC: Dan F.
Clayton Jones

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	327	Dry at 60C			WHI
SS80	327	Dry at 60C sieve 100g to -80 mesh			WHI
SLBHP	0	Sort, label and box pulps			WHI
AQ201	327	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	327	Per sample shipping charges for branch shipments			VAN
DISPL	327	Disposal of pulps			VAN

ADDITIONAL COMMENTS


GEORGE ARCALA
Instrumentation Shift Supervisor



Bureau Veritas Commodities Canada Ltd.

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Client: Trailbreaker Resources
#2110 – 650 West Georgia Street
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Page: 2 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI21000547.1

Method Analyte	Unit	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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
MDL	MDL	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
3869251	Soil	0.5	27.7	7.9	55	<0.1	27.1	11.2	371	3.28	11.3	12.5	4.4	33	<0.1	0.4	<0.1	106	0.59	0.072	13
3869252	Soil	1.4	36.9	207.6	34	<0.1	10.6	3.3	115	1.16	78.0	3.6	19.1	13	<0.1	1.0	1.3	30	0.18	0.030	72
3869253	Soil	1.5	28.7	9.8	76	<0.1	35.1	17.9	478	4.44	13.4	2.5	6.8	31	0.2	0.7	0.2	128	0.39	0.041	8
3869254	Soil	0.5	34.0	6.5	50	<0.1	30.1	11.8	412	3.55	8.0	45.4	3.9	44	<0.1	0.4	<0.1	115	0.66	0.056	12
3869255	Soil	0.9	37.7	9.9	61	<0.1	30.2	15.7	398	3.53	11.3	4.0	4.5	49	<0.1	0.6	0.1	96	0.55	0.036	17
3869256	Soil	1.2	32.1	11.4	62	<0.1	32.8	13.0	392	3.84	9.9	3.9	5.5	32	<0.1	0.6	0.1	102	0.38	0.041	11
3869257	Soil	0.8	29.9	12.6	56	<0.1	29.7	12.6	458	3.46	9.1	3.7	4.2	40	<0.1	0.5	0.2	98	0.54	0.034	12
3869258	Soil	0.5	26.5	27.0	70	<0.1	27.5	12.1	416	3.30	6.5	3.1	10.6	25	<0.1	0.4	0.3	48	0.34	0.058	32
3869259	Soil	1.3	42.7	10.9	68	0.5	37.0	14.1	316	3.85	15.1	4.0	5.0	31	0.2	0.8	0.3	86	0.34	0.049	12
3869260	Soil	0.9	31.1	31.3	64	0.1	23.4	11.8	550	2.88	9.0	2.3	6.7	24	0.1	0.4	0.2	59	0.26	0.030	23
3869261	Soil	0.9	33.5	10.9	38	0.3	19.1	10.3	569	2.33	7.5	3.9	3.0	27	0.1	0.4	0.2	56	0.27	0.038	22
3869262	Soil	0.7	32.4	9.0	48	<0.1	35.6	15.0	304	3.42	10.1	2.7	4.5	29	0.1	0.5	0.2	88	0.34	0.020	7
3869263	Soil	1.0	23.5	13.3	47	<0.1	20.4	10.2	490	2.66	7.8	3.0	3.5	24	0.2	0.5	0.1	68	0.26	0.018	9
3869264	Soil	1.3	31.5	9.7	52	0.1	24.7	13.4	416	3.51	9.3	2.9	3.4	25	0.1	0.7	0.1	86	0.25	0.027	10
3869265	Soil	1.0	20.3	9.8	50	<0.1	15.8	8.9	319	2.47	7.2	2.7	3.0	18	0.1	0.4	0.1	63	0.22	0.039	9
3869266	Soil	0.6	13.3	5.8	24	<0.1	5.8	4.3	157	1.25	4.7	2.2	1.9	15	<0.1	0.3	<0.1	32	0.17	0.045	8
3869267	Soil	0.9	20.9	7.9	37	<0.1	14.9	8.0	224	2.57	7.6	3.6	1.8	21	<0.1	0.5	<0.1	65	0.26	0.035	6
3869268	Soil	0.8	36.3	10.9	38	0.1	21.7	9.3	237	2.78	7.2	3.1	2.5	41	<0.1	0.4	0.1	74	0.45	0.040	11
3869269	Soil	1.1	36.4	10.1	55	<0.1	30.3	12.5	347	3.35	10.8	4.1	3.5	42	<0.1	0.6	<0.1	96	0.45	0.023	12
3869270	Soil	0.7	29.1	8.4	46	<0.1	22.7	9.9	296	2.76	7.0	3.4	3.6	40	<0.1	0.5	<0.1	76	0.47	0.031	12
3869271	Soil	0.6	26.8	6.0	32	0.1	17.8	8.2	182	1.85	7.2	2.5	1.6	30	<0.1	0.3	<0.1	48	0.42	0.046	7
3869272	Soil	1.0	45.1	9.2	55	0.1	44.9	15.4	309	3.80	10.0	3.7	2.9	31	0.1	0.6	0.1	95	0.40	0.035	12
3869273	Soil	0.7	33.3	8.5	49	<0.1	25.9	10.9	280	3.06	7.1	3.2	3.2	35	<0.1	0.4	<0.1	82	0.44	0.048	12
3869274	Soil	0.6	40.4	9.1	60	<0.1	28.8	13.8	372	3.49	9.6	7.0	4.6	46	<0.1	0.6	<0.1	87	0.54	0.051	25
3869275	Soil	0.7	31.9	10.4	52	<0.1	27.1	11.8	283	3.05	7.7	4.3	4.1	32	<0.1	0.4	<0.1	79	0.38	0.038	11
3869276	Soil	0.4	25.0	7.5	43	<0.1	16.6	8.6	225	2.19	4.5	2.0	3.5	34	<0.1	0.3	0.1	57	0.45	0.046	12
3869277	Soil	0.6	26.4	10.6	53	<0.1	21.6	10.6	364	3.00	5.5	1.7	9.3	31	<0.1	0.3	0.1	70	0.43	0.049	22
3869278	Soil	0.8	28.8	13.0	60	<0.1	21.6	13.3	383	3.61	8.6	2.4	9.2	30	<0.1	0.4	0.2	83	0.39	0.050	18
3869279	Soil	0.7	22.9	12.8	64	<0.1	18.0	11.7	429	2.98	6.2	5.1	9.2	29	0.2	0.4	0.2	67	0.40	0.060	17
3869280	Soil	0.8	29.8	9.8	56	<0.1	22.1	11.8	299	3.13	8.0	3.4	7.7	35	<0.1	0.4	0.1	78	0.43	0.049	15



Bureau Veritas Commodities Canada Ltd.

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Report Date: November 13, 2021

Page: 2 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI21000547.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	0.2	
3869251	Soil	35	0.80	105	0.130	1	1.84	0.033	0.07	0.1	0.01	5.1	<0.1	<0.05	5	<0.5	<0.2	
3869252	Soil	16	0.22	77	0.033	<1	0.60	0.013	0.16	0.2	0.04	2.7	<0.1	<0.05	2	0.5	<0.2	
3869253	Soil	49	0.74	181	0.122	1	3.05	0.023	0.05	0.1	0.02	6.5	0.1	<0.05	8	<0.5	<0.2	
3869254	Soil	43	0.80	145	0.141	<1	1.96	0.040	0.05	0.1	0.02	7.8	<0.1	<0.05	6	<0.5	<0.2	
3869255	Soil	43	0.78	189	0.111	<1	2.10	0.044	0.05	0.1	0.05	8.8	<0.1	<0.05	6	<0.5	<0.2	
3869256	Soil	42	0.67	179	0.108	<1	2.51	0.023	0.05	0.1	0.02	5.3	<0.1	<0.05	7	<0.5	<0.2	
3869257	Soil	41	0.67	150	0.141	3	1.96	0.025	0.05	<0.1	0.03	5.8	<0.1	<0.05	6	<0.5	<0.2	
3869258	Soil	22	0.41	85	0.052	2	1.07	0.012	0.06	<0.1	0.02	3.8	<0.1	0.07	3	<0.5	<0.2	
3869259	Soil	39	0.74	173	0.089	1	2.88	0.020	0.05	<0.1	0.04	5.4	<0.1	<0.05	7	0.5	<0.2	
3869260	Soil	26	0.44	137	0.057	2	1.56	0.015	0.05	<0.1	0.03	3.8	<0.1	<0.05	5	<0.5	<0.2	
3869261	Soil	25	0.37	140	0.069	2	1.60	0.019	0.03	<0.1	0.03	4.1	<0.1	<0.05	5	<0.5	<0.2	
3869262	Soil	38	0.73	226	0.108	3	2.80	0.016	0.05	<0.1	0.02	4.2	<0.1	<0.05	7	<0.5	<0.2	
3869263	Soil	27	0.44	140	0.069	1	1.67	0.018	0.03	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2	
3869264	Soil	36	0.61	134	0.093	1	2.41	0.019	0.05	<0.1	0.03	5.8	<0.1	0.06	7	<0.5	<0.2	
3869265	Soil	22	0.34	109	0.066	2	1.53	0.019	0.03	<0.1	0.01	3.0	<0.1	0.07	6	<0.5	<0.2	
3869266	Soil	10	0.16	67	0.046	<1	0.83	0.026	0.03	<0.1	0.02	1.6	<0.1	0.10	3	<0.5	<0.2	
3869267	Soil	23	0.38	103	0.082	2	1.82	0.020	0.04	0.1	0.03	3.5	<0.1	<0.05	6	<0.5	<0.2	
3869268	Soil	32	0.50	171	0.096	2	2.46	0.019	0.05	<0.1	0.05	6.3	<0.1	<0.05	7	<0.5	<0.2	
3869269	Soil	45	0.73	185	0.132	2	2.64	0.021	0.05	0.1	0.05	9.0	<0.1	<0.05	7	<0.5	<0.2	
3869270	Soil	38	0.71	164	0.124	<1	1.89	0.024	0.04	0.1	0.04	7.2	<0.1	<0.05	5	<0.5	<0.2	
3869271	Soil	25	0.44	135	0.061	2	1.59	0.024	0.03	<0.1	0.04	4.1	<0.1	<0.05	5	<0.5	<0.2	
3869272	Soil	45	0.81	158	0.124	2	2.87	0.014	0.04	0.1	0.02	6.9	0.1	<0.05	8	<0.5	<0.2	
3869273	Soil	33	0.72	164	0.112	2	2.31	0.021	0.05	0.1	0.03	6.3	<0.1	<0.05	6	<0.5	<0.2	
3869274	Soil	36	0.78	168	0.112	1	2.13	0.029	0.06	0.1	0.03	9.8	<0.1	<0.05	6	0.7	<0.2	
3869275	Soil	36	0.80	147	0.114	2	2.43	0.018	0.06	0.1	0.02	6.3	<0.1	0.05	7	<0.5	<0.2	
3869276	Soil	25	0.48	116	0.104	1	1.59	0.023	0.08	<0.1	0.02	4.8	0.1	0.08	5	<0.5	<0.2	
3869277	Soil	35	0.79	117	0.151	1	1.84	0.019	0.27	0.1	0.02	6.9	0.3	<0.05	7	<0.5	<0.2	
3869278	Soil	37	0.76	174	0.128	1	2.78	0.015	0.16	0.1	0.03	6.8	0.2	0.12	8	<0.5	<0.2	
3869279	Soil	32	0.70	132	0.142	<1	2.05	0.021	0.24	0.2	0.02	5.5	0.3	<0.05	6	<0.5	<0.2	
3869280	Soil	36	0.70	146	0.127	1	2.12	0.018	0.13	0.1	0.08	6.5	0.2	0.07	7	<0.5	<0.2	



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Page: 3 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI21000547.1

Method Analyte	Unit	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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
MDL		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	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
3869281	Soil	0.7	25.6	15.6	61	<0.1	20.7	13.0	326	2.73	10.6	4.8	8.7	31	<0.1	0.7	0.1	61	0.42	0.054	19
3869282	Soil	0.8	33.7	8.3	53	<0.1	27.8	12.5	242	2.93	5.6	2.1	4.0	27	<0.1	0.3	<0.1	78	0.37	0.034	11
3869283	Soil	0.7	30.4	13.3	55	<0.1	23.1	10.1	285	2.94	4.9	4.7	7.4	32	<0.1	0.4	<0.1	65	0.42	0.036	26
3869284	Soil	0.6	50.9	7.8	54	<0.1	38.6	16.2	389	3.47	5.7	2.6	4.4	42	<0.1	0.4	<0.1	85	0.67	0.048	15
3869285	Soil	0.6	25.4	11.5	48	<0.1	19.7	9.3	266	2.77	6.6	2.6	5.8	28	<0.1	0.4	0.1	66	0.38	0.039	17
3869286	Soil	0.6	21.6	11.0	51	<0.1	19.2	8.9	225	2.52	14.0	4.3	4.4	32	<0.1	0.4	<0.1	63	0.44	0.038	10
3869287	Soil	0.6	33.6	5.6	41	<0.1	21.5	12.3	202	2.08	4.9	4.3	1.2	26	0.1	0.3	<0.1	56	0.33	0.037	6
3869288	Soil	0.3	42.1	5.6	50	<0.1	23.9	9.8	236	2.54	5.6	2.8	2.3	33	<0.1	0.3	<0.1	66	0.45	0.039	9
3869289	Soil	0.5	44.4	6.2	47	<0.1	25.1	13.0	305	2.68	5.5	3.2	2.4	33	<0.1	0.4	<0.1	67	0.57	0.040	10
3869290	Soil	5.1	70.0	22.1	58	<0.1	59.8	17.8	442	3.49	6.9	3.4	2.6	43	<0.1	0.5	<0.1	85	0.64	0.049	10
3869291	Soil	0.6	38.2	7.1	47	<0.1	24.5	11.2	288	2.92	6.9	3.9	1.9	33	<0.1	0.3	<0.1	70	0.46	0.047	10
3869292	Soil	0.7	44.1	7.8	49	<0.1	35.8	16.8	460	3.51	5.2	2.9	2.8	37	<0.1	0.3	<0.1	95	0.68	0.078	9
3869293	Soil	0.6	63.5	7.3	65	<0.1	47.2	25.9	687	4.27	5.0	2.4	2.7	42	0.1	0.3	0.1	106	0.89	0.114	10
3869294	Soil	0.6	40.2	6.9	55	<0.1	28.1	14.5	366	2.97	7.0	10.8	2.0	38	0.1	0.3	0.1	93	0.61	0.064	11
3869295	Soil	0.8	46.8	7.7	70	<0.1	35.0	20.2	621	4.57	5.3	3.3	3.0	43	<0.1	0.2	0.1	107	0.83	0.144	13
3869296	Soil	0.7	53.0	11.8	66	<0.1	50.8	28.0	713	4.51	6.6	2.9	4.3	43	0.1	0.3	0.1	148	0.69	0.126	14
3869297	Soil	0.8	41.2	10.9	65	<0.1	68.2	21.1	464	3.76	8.2	2.6	4.1	40	<0.1	0.3	0.1	102	0.64	0.081	19
3869298	Soil	0.6	33.3	12.2	67	<0.1	32.9	16.7	358	3.41	9.1	2.0	3.8	37	0.1	0.4	0.1	100	0.62	0.082	12
3869299	Soil	0.7	37.3	12.1	67	<0.1	30.4	15.9	444	3.49	8.5	1.9	4.8	42	0.1	0.4	0.1	100	0.67	0.080	21
3869300	Soil	1.4	22.3	9.3	45	0.2	16.6	10.4	311	2.31	6.6	1.7	0.9	30	<0.1	0.4	0.2	71	0.39	0.096	9
3869301	Soil	1.3	38.9	11.1	92	0.1	40.1	13.4	429	4.02	9.4	2.2	5.5	45	0.3	0.5	0.1	118	0.54	0.060	23
3869302	Soil	1.4	55.5	9.6	62	<0.1	36.3	18.4	489	4.32	12.1	2.5	3.1	38	<0.1	0.6	0.2	126	0.47	0.028	13
3869303	Soil	2.3	233.9	10.2	108	0.1	113.9	40.6	2594	11.57	17.1	12.0	2.4	31	0.1	1.2	<0.1	241	0.81	0.045	13
3869304	Soil	1.2	71.8	11.5	76	<0.1	50.1	25.3	1029	4.35	9.9	4.2	4.2	24	0.2	0.5	0.1	130	0.43	0.074	17
3869305	Soil	14.2	71.7	18.3	312	0.9	72.6	19.4	881	3.35	18.7	2.7	9.5	60	3.3	4.1	0.2	44	0.65	0.235	34
3869306	Soil	4.9	75.2	23.4	236	0.8	71.2	21.3	494	5.37	32.3	2.9	6.1	37	1.5	4.9	0.2	156	0.25	0.127	17
3869307	Soil	1.8	41.7	12.5	71	0.2	32.8	11.6	334	3.70	13.5	4.6	5.7	48	<0.1	1.0	0.2	115	0.54	0.039	22
3869308	Soil	0.5	50.8	10.5	60	<0.1	34.0	12.9	437	3.82	9.7	16.9	5.1	47	<0.1	0.4	0.1	119	0.66	0.031	19
3869309	Soil	1.4	26.8	42.1	67	<0.1	28.3	10.8	367	3.45	14.1	0.7	10.2	26	0.2	0.5	0.3	94	0.39	0.032	28
3869310	Soil	1.7	29.6	12.8	79	0.1	33.2	18.2	1154	3.96	12.5	2.5	3.2	28	0.3	0.6	0.2	108	0.35	0.055	12



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Report Date: November 13, 2021

Page: 3 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI21000547.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
3869281	Soil	35	0.66	135	0.138	2	1.79	0.022	0.18	0.2	0.08	6.5	0.3	<0.05	6	<0.5	<0.2
3869282	Soil	52	0.91	148	0.153	2	2.39	0.025	0.20	0.1	0.03	5.6	0.2	<0.05	7	<0.5	<0.2
3869283	Soil	43	0.85	117	0.145	<1	2.03	0.021	0.19	0.2	0.02	7.5	0.3	<0.05	7	<0.5	<0.2
3869284	Soil	73	1.20	209	0.166	2	2.44	0.048	0.35	0.1	0.04	7.9	0.2	0.09	7	<0.5	<0.2
3869285	Soil	29	0.63	133	0.128	<1	2.18	0.018	0.08	0.1	0.03	5.2	0.2	<0.05	6	<0.5	<0.2
3869286	Soil	27	0.57	120	0.109	1	1.79	0.019	0.06	<0.1	0.04	4.2	0.1	<0.05	6	<0.5	<0.2
3869287	Soil	26	0.51	107	0.094	<1	1.66	0.022	0.04	0.1	0.01	3.6	<0.1	0.07	5	<0.5	<0.2
3869288	Soil	34	0.75	146	0.112	1	1.72	0.020	0.04	<0.1	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2
3869289	Soil	38	0.75	139	0.141	1	1.88	0.027	0.04	0.1	0.02	6.0	<0.1	0.05	5	<0.5	<0.2
3869290	Soil	95	0.94	181	0.140	2	2.24	0.030	0.06	0.2	0.04	8.2	<0.1	<0.05	6	<0.5	<0.2
3869291	Soil	34	0.64	164	0.097	2	2.12	0.020	0.05	<0.1	0.03	5.7	<0.1	0.08	6	<0.5	<0.2
3869292	Soil	60	1.70	285	0.159	1	2.79	0.019	0.35	0.2	0.01	6.1	0.2	0.05	7	<0.5	<0.2
3869293	Soil	76	1.94	282	0.208	4	3.05	0.031	0.20	0.2	0.03	8.6	0.2	<0.05	7	<0.5	<0.2
3869294	Soil	44	0.79	147	0.158	4	2.24	0.040	0.06	0.1	0.03	6.6	<0.1	0.05	6	<0.5	<0.2
3869295	Soil	48	1.88	219	0.189	3	3.03	0.026	0.34	0.1	0.02	7.3	0.2	<0.05	9	<0.5	<0.2
3869296	Soil	81	2.34	158	0.201	4	3.25	0.022	0.42	0.2	0.02	8.9	0.3	<0.05	10	<0.5	<0.2
3869297	Soil	91	1.32	179	0.147	4	2.84	0.028	0.10	0.1	0.04	8.1	0.1	<0.05	8	<0.5	<0.2
3869298	Soil	45	0.85	164	0.162	3	2.64	0.031	0.08	<0.1	0.03	6.3	<0.1	<0.05	7	<0.5	<0.2
3869299	Soil	42	0.79	186	0.148	4	2.51	0.037	0.06	0.1	0.04	8.0	<0.1	<0.05	7	<0.5	<0.2
3869300	Soil	30	0.41	115	0.078	3	1.50	0.030	0.06	<0.1	0.04	3.3	<0.1	0.10	5	<0.5	<0.2
3869301	Soil	49	0.77	298	0.131	3	2.35	0.031	0.07	0.1	0.07	9.3	<0.1	<0.05	6	0.7	<0.2
3869302	Soil	56	0.86	227	0.153	2	3.24	0.029	0.05	<0.1	0.03	8.8	<0.1	<0.05	8	<0.5	<0.2
3869303	Soil	51	1.01	798	0.056	2	2.86	0.017	0.04	<0.1	0.08	58.4	0.1	<0.05	8	0.9	<0.2
3869304	Soil	47	0.76	137	0.162	3	2.24	0.021	0.06	0.1	0.02	5.7	<0.1	<0.05	7	<0.5	<0.2
3869305	Soil	21	0.30	138	0.022	2	1.06	0.014	0.08	<0.1	0.21	3.7	0.2	<0.05	2	1.9	<0.2
3869306	Soil	99	1.01	342	0.015	1	1.86	0.037	0.11	<0.1	0.35	11.4	0.3	0.27	4	3.4	<0.2
3869307	Soil	51	0.75	283	0.147	3	2.32	0.037	0.08	<0.1	0.08	10.3	0.1	0.10	6	0.9	<0.2
3869308	Soil	48	0.91	150	0.179	2	2.39	0.048	0.08	0.1	0.04	9.8	<0.1	<0.05	6	<0.5	<0.2
3869309	Soil	38	0.81	159	0.147	3	2.46	0.020	0.18	<0.1	0.02	5.6	0.2	<0.05	7	<0.5	<0.2
3869310	Soil	46	0.76	244	0.129	2	2.81	0.025	0.09	<0.1	0.03	4.7	0.1	<0.05	8	0.5	<0.2



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Report Date: November 13, 2021

Page: 4 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI21000547.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	
	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
3869311	Soil	0.8	43.4	10.5	59	<0.1	33.4	14.3	539	3.66	8.7	19.9	4.4	44	<0.1	0.5	0.1	112	0.66	0.052	19
3869312	Soil	0.8	47.0	11.9	61	<0.1	38.7	16.6	480	4.14	9.9	2.2	5.7	44	<0.1	0.5	0.1	117	0.49	0.016	20
3869313	Soil	0.8	45.5	10.4	64	<0.1	38.1	15.7	495	3.88	10.8	2.9	4.5	44	<0.1	0.4	0.1	117	0.53	0.034	17
3869314	Soil	1.3	44.6	16.6	68	<0.1	40.0	16.2	516	4.08	9.9	2.2	5.9	46	<0.1	0.4	0.2	113	0.54	0.035	23
3869315	Soil	0.9	39.3	14.1	60	<0.1	38.7	17.1	442	4.05	10.8	2.1	5.1	36	<0.1	0.4	0.2	113	0.44	0.026	14
3869316	Soil	1.5	16.9	13.4	89	<0.1	15.3	12.4	947	3.01	17.1	1.8	3.8	19	0.3	0.5	0.2	87	0.24	0.058	11
3869317	Soil	1.4	50.4	30.7	86	0.2	38.5	16.7	503	4.27	13.7	3.1	5.1	35	0.2	0.6	0.2	114	0.38	0.051	15
3869318	Soil	0.8	40.7	11.6	61	<0.1	38.5	17.4	492	4.09	11.5	5.4	4.7	29	<0.1	0.4	0.1	118	0.39	0.020	9
3869319	Soil	1.4	44.1	12.7	73	<0.1	42.7	18.3	539	4.26	13.4	6.4	5.3	40	<0.1	0.6	0.2	118	0.41	0.032	14
3869320	Soil	0.7	53.8	10.0	66	<0.1	38.5	14.6	487	3.91	9.1	5.0	3.6	52	<0.1	0.4	0.1	118	0.80	0.066	18
3869321	Soil	1.4	31.7	10.2	58	0.1	26.3	14.9	534	3.58	9.8	1.5	3.1	28	<0.1	0.5	0.2	99	0.34	0.035	11
3869322	Soil	1.0	38.4	9.2	57	<0.1	32.4	15.3	358	3.85	9.2	3.6	3.0	36	<0.1	0.5	0.1	115	0.47	0.054	11
3869323	Soil	0.8	63.2	8.3	68	<0.1	67.0	19.1	519	4.42	12.3	3.0	3.7	48	<0.1	0.6	0.1	122	0.68	0.056	18
3869324	Soil	0.7	43.9	19.8	70	<0.1	36.9	15.9	521	3.95	8.7	3.1	9.7	40	<0.1	0.4	0.2	95	0.54	0.048	32
3869325	Soil	1.1	47.7	12.1	71	<0.1	36.4	14.8	465	4.18	11.3	3.0	3.9	53	<0.1	0.5	0.2	110	0.62	0.069	18
3869326	Soil	0.9	29.3	13.5	70	<0.1	27.2	14.3	450	4.06	12.2	2.2	12.4	34	<0.1	0.5	0.3	96	0.50	0.047	29
3869327	Soil	0.7	28.1	16.6	83	<0.1	23.0	14.0	604	4.62	15.9	1.1	20.5	31	<0.1	0.3	0.2	88	0.52	0.051	57
3869328	Soil	1.1	22.9	14.2	70	<0.1	25.5	14.8	463	4.13	10.7	1.4	12.9	26	<0.1	1.0	0.2	91	0.41	0.056	28
3869329	Soil	0.7	28.0	13.4	71	<0.1	25.5	13.2	443	3.90	8.1	0.6	13.0	35	<0.1	0.8	0.2	75	0.46	0.048	30
3869330	Soil	0.9	29.1	12.9	63	<0.1	22.7	10.1	386	3.39	7.0	2.0	12.2	33	<0.1	0.5	0.2	72	0.45	0.041	30
3869331	Soil	0.7	23.0	12.4	61	<0.1	20.4	11.4	379	3.39	5.8	3.6	11.8	30	<0.1	0.3	0.2	72	0.39	0.040	25
3869332	Soil	0.7	19.3	10.1	44	0.1	13.9	7.0	244	2.37	5.1	1.8	6.2	24	<0.1	0.3	0.2	53	0.31	0.039	17
3869333	Soil	0.6	20.0	12.4	57	<0.1	20.0	9.7	413	3.27	7.0	1.2	12.0	26	<0.1	0.4	0.2	70	0.36	0.040	22
3869334	Soil	0.7	21.4	17.2	72	<0.1	19.9	10.6	494	3.54	7.3	4.2	18.9	27	<0.1	0.6	0.3	59	0.36	0.059	37
3869335	Soil	1.0	24.1	12.0	63	<0.1	24.6	10.4	397	3.65	8.2	2.0	12.0	29	<0.1	0.4	0.2	79	0.39	0.039	25
3869336	Soil	0.8	28.8	10.2	60	<0.1	26.3	10.9	399	3.59	6.8	2.1	9.7	33	<0.1	0.4	0.2	79	0.44	0.033	21
3869337	Soil	0.6	22.2	11.9	62	<0.1	19.0	10.2	423	3.17	5.6	1.4	10.2	24	<0.1	0.4	0.1	60	0.33	0.038	23
3869338	Soil	1.5	20.6	11.7	58	<0.1	21.0	14.3	452	3.78	11.8	1.5	5.5	20	0.1	0.5	0.2	88	0.23	0.041	10
3869339	Soil	0.6	27.1	9.1	54	<0.1	23.6	10.4	287	2.86	6.6	2.2	6.6	24	<0.1	0.3	0.1	67	0.32	0.034	13
3869340	Soil	0.6	23.2	9.3	49	<0.1	21.5	9.9	348	2.84	6.4	3.1	6.5	24	<0.1	0.4	<0.1	62	0.35	0.039	15

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



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Page: 4 of 12

Part: 2 of 2

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	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
3869311	Soil	47	0.80	136	0.162	2	2.06	0.042	0.06	<0.1	0.02	8.9	<0.1	<0.05	6	<0.5	<0.2
3869312	Soil	58	0.86	190	0.173	2	3.29	0.028	0.05	<0.1	0.03	9.8	<0.1	<0.05	8	<0.5	<0.2
3869313	Soil	52	0.94	187	0.177	2	3.13	0.038	0.06	<0.1	0.04	9.7	<0.1	<0.05	8	<0.5	<0.2
3869314	Soil	56	0.86	203	0.146	2	2.98	0.029	0.06	<0.1	0.04	9.1	<0.1	<0.05	7	<0.5	<0.2
3869315	Soil	49	0.84	215	0.137	2	2.99	0.024	0.07	<0.1	0.02	6.7	<0.1	<0.05	8	<0.5	<0.2
3869316	Soil	31	0.43	151	0.098	2	1.54	0.020	0.16	0.1	0.03	3.0	<0.1	<0.05	7	<0.5	<0.2
3869317	Soil	53	0.85	199	0.141	2	3.18	0.025	0.06	<0.1	0.03	6.5	<0.1	<0.05	8	<0.5	<0.2
3869318	Soil	55	0.91	231	0.160	3	3.36	0.022	0.06	<0.1	0.02	6.4	0.1	<0.05	8	<0.5	<0.2
3869319	Soil	57	0.94	209	0.146	2	3.64	0.034	0.06	<0.1	0.03	9.1	0.1	<0.05	9	<0.5	<0.2
3869320	Soil	58	0.95	183	0.181	2	2.56	0.054	0.06	0.1	0.03	10.4	<0.1	<0.05	7	<0.5	<0.2
3869321	Soil	42	0.65	169	0.123	2	2.75	0.027	0.04	<0.1	0.03	5.6	0.1	<0.05	8	<0.5	<0.2
3869322	Soil	46	0.85	194	0.158	3	3.20	0.030	0.05	<0.1	0.03	6.8	0.1	<0.05	8	<0.5	<0.2
3869323	Soil	82	1.05	176	0.170	2	3.02	0.040	0.06	<0.1	0.05	12.7	<0.1	<0.05	7	<0.5	<0.2
3869324	Soil	47	0.90	154	0.140	2	2.50	0.028	0.16	<0.1	0.02	10.1	0.2	<0.05	7	<0.5	<0.2
3869325	Soil	54	0.94	221	0.146	2	2.99	0.037	0.07	0.1	0.05	9.9	0.1	0.06	8	<0.5	<0.2
3869326	Soil	57	1.09	187	0.219	2	2.91	0.026	0.39	0.1	0.02	8.7	0.4	<0.05	9	<0.5	<0.2
3869327	Soil	77	1.44	196	0.261	1	3.04	0.021	1.04	0.2	<0.01	14.6	1.0	<0.05	11	<0.5	<0.2
3869328	Soil	46	0.97	149	0.193	2	2.96	0.020	0.44	0.2	0.02	7.4	0.5	0.08	9	<0.5	<0.2
3869329	Soil	41	1.00	147	0.197	2	2.56	0.018	0.47	0.2	0.01	8.5	0.5	<0.05	9	<0.5	<0.2
3869330	Soil	36	0.85	145	0.179	2	2.15	0.020	0.26	0.1	0.03	7.0	0.4	<0.05	7	<0.5	<0.2
3869331	Soil	31	0.82	153	0.185	1	2.44	0.018	0.30	0.2	0.02	6.2	0.4	<0.05	7	<0.5	<0.2
3869332	Soil	23	0.51	88	0.115	<1	1.61	0.016	0.14	0.1	0.03	3.9	0.2	<0.05	6	<0.5	<0.2
3869333	Soil	33	0.79	110	0.166	<1	2.26	0.016	0.30	0.2	0.02	5.6	0.5	<0.05	7	<0.5	<0.2
3869334	Soil	31	0.80	115	0.136	1	2.02	0.019	0.49	0.2	0.02	7.3	0.8	<0.05	7	<0.5	<0.2
3869335	Soil	39	0.87	118	0.184	2	2.62	0.016	0.26	0.1	0.04	7.0	0.4	<0.05	9	<0.5	<0.2
3869336	Soil	41	0.85	115	0.179	1	2.29	0.020	0.20	0.1	0.03	7.1	0.3	<0.05	8	<0.5	<0.2
3869337	Soil	30	0.71	97	0.123	<1	1.88	0.014	0.28	0.1	0.03	6.9	0.4	<0.05	7	<0.5	<0.2
3869338	Soil	34	0.57	107	0.113	1	2.26	0.012	0.11	0.1	0.03	4.8	0.2	<0.05	8	0.6	<0.2
3869339	Soil	34	0.83	119	0.145	1	2.30	0.016	0.19	<0.1	0.03	5.8	0.3	<0.05	7	<0.5	<0.2
3869340	Soil	31	0.74	103	0.128	1	1.84	0.017	0.15	0.1	0.03	6.1	0.3	<0.05	6	<0.5	<0.2



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Project: Atsutla
Report Date: November 13, 2021

Page: 5 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI21000547.1

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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
3869341	Soil	0.4	24.8	10.4	48	<0.1	18.4	7.7	226	2.64	7.1	4.9	7.3	27	<0.1	0.4	<0.1	62	0.37	0.038	18
3869342	Soil	0.6	21.7	13.0	64	<0.1	19.2	10.6	321	3.21	13.2	8.7	9.7	20	<0.1	0.5	0.1	69	0.31	0.041	19
3869343	Soil	1.2	26.7	12.6	45	0.1	17.4	9.8	381	3.01	14.8	2.1	4.3	21	0.1	0.5	0.1	64	0.24	0.047	13
3869344	Soil	0.5	34.4	7.3	48	<0.1	30.8	12.7	332	3.17	4.8	1.5	4.8	39	<0.1	0.3	<0.1	78	0.54	0.025	14
3869345	Soil	1.3	49.6	14.3	68	0.2	25.8	12.8	436	3.72	11.5	2.8	9.4	38	0.1	0.7	0.1	87	0.46	0.047	51
3869346	Soil	0.8	33.6	5.6	40	<0.1	30.1	13.1	297	2.93	6.8	1.4	2.6	26	<0.1	0.3	<0.1	75	0.40	0.057	10
3869347	Soil	0.7	36.0	13.4	54	<0.1	29.4	13.3	339	3.16	7.8	3.4	4.9	30	0.1	0.4	0.1	84	0.41	0.051	15
3869348	Soil	0.9	27.5	12.8	61	<0.1	23.0	9.6	347	3.14	11.2	3.8	7.9	27	<0.1	0.5	0.1	77	0.37	0.032	21
3869349	Soil	0.5	24.0	10.7	50	<0.1	23.5	10.2	369	3.00	29.8	3.8	6.7	32	<0.1	0.6	<0.1	72	0.42	0.024	31
3869350	Soil	0.5	27.0	9.1	45	<0.1	19.6	8.0	302	2.62	9.0	4.5	7.1	30	<0.1	0.4	0.1	66	0.40	0.026	22
3869351	Soil	0.6	17.1	8.6	139	<0.1	80.3	45.3	2244	6.30	1.2	0.9	20.6	27	<0.1	0.4	0.2	52	0.25	0.032	53
3869352	Soil	1.1	38.5	17.4	75	<0.1	32.0	14.9	336	3.87	8.9	3.2	9.7	24	<0.1	0.6	0.2	70	0.25	0.024	38
3869353	Soil	1.5	37.9	8.8	57	0.2	28.3	12.7	331	3.74	10.0	6.3	5.1	29	<0.1	0.8	0.2	81	0.25	0.019	12
3869354	Soil	1.3	87.3	26.2	148	0.1	23.8	11.8	546	4.06	11.8	7.3	6.7	28	0.2	0.7	2.0	80	0.27	0.022	13
3869355	Soil	1.2	26.3	11.5	61	<0.1	20.3	12.2	422	2.66	7.7	2.5	3.0	20	0.1	0.6	0.1	63	0.20	0.039	14
3869356	Soil	1.8	61.0	34.0	136	0.1	37.2	15.6	755	4.25	16.5	3.9	12.5	20	0.2	0.6	0.3	44	0.17	0.046	27
3869357	Soil	0.8	30.6	15.3	54	<0.1	25.5	10.8	363	2.77	6.9	3.4	5.7	28	<0.1	0.4	0.1	61	0.28	0.019	21
3869358	Soil	0.7	28.1	12.3	39	<0.1	18.7	9.1	250	2.57	7.8	2.7	5.1	29	<0.1	0.5	0.1	63	0.27	0.020	18
3869359	Soil	0.9	26.4	12.0	49	<0.1	22.9	11.6	358	2.32	8.9	4.2	4.4	23	0.1	0.5	0.1	63	0.31	0.039	23
3869360	Soil	0.8	29.7	7.5	47	<0.1	30.1	13.2	328	3.30	13.3	3.4	2.9	23	<0.1	0.5	<0.1	85	0.31	0.026	7
3869361	Soil	1.2	45.4	11.0	65	<0.1	37.0	17.3	487	3.91	11.2	4.8	6.3	39	<0.1	0.8	0.2	101	0.39	0.029	16
3869362	Soil	0.6	23.8	5.8	40	<0.1	23.7	9.6	248	2.64	6.2	4.2	2.2	25	<0.1	0.4	<0.1	78	0.33	0.017	6
3869363	Soil	0.6	25.6	8.0	41	<0.1	19.5	9.1	314	2.59	6.2	3.2	3.5	34	<0.1	0.5	<0.1	76	0.44	0.019	11
3869364	Soil	0.6	24.7	6.5	38	<0.1	18.4	7.7	248	2.34	6.1	5.3	2.7	29	<0.1	0.4	<0.1	61	0.35	0.029	10
3869365	Soil	1.1	74.9	6.7	78	0.2	58.8	26.3	684	4.58	19.5	3.0	3.2	38	0.3	1.2	0.1	109	0.74	0.074	20
3869366	Soil	0.8	31.0	9.4	55	<0.1	30.2	13.7	334	3.69	8.0	3.2	3.1	31	0.1	0.4	0.1	91	0.47	0.047	10
3869367	Soil	0.9	29.3	10.4	53	<0.1	25.2	10.8	296	3.22	7.3	1.1	2.0	27	0.2	0.3	0.1	81	0.42	0.054	13
3869368	Soil	0.9	21.0	9.2	36	<0.1	15.8	8.5	227	2.35	5.3	1.1	2.0	20	<0.1	0.3	0.1	55	0.25	0.026	12
3869369	Soil	1.0	35.5	11.4	54	<0.1	33.4	14.4	340	3.78	9.0	1.9	4.2	26	<0.1	0.4	0.2	100	0.37	0.037	11
3869370	Soil	0.6	29.1	12.1	50	<0.1	27.9	12.2	372	3.22	6.5	3.1	4.5	32	<0.1	0.3	0.1	79	0.47	0.036	15



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Project: Atsutla
Report Date: November 13, 2021

Page: 5 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI21000547.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Ti ppm	S %	Ga ppm	Se ppm	Te ppm	
3869341	Soil	30	0.67	103	0.121	<1	1.84	0.015	0.19	<0.1	0.03	6.0	0.3	<0.05	6	<0.5	<0.2
3869342	Soil	30	0.69	91	0.132	1	2.07	0.013	0.24	0.1	0.03	5.8	0.4	<0.05	8	<0.5	<0.2
3869343	Soil	26	0.38	105	0.069	<1	1.84	0.014	0.05	0.1	0.07	4.4	0.2	<0.05	6	<0.5	<0.2
3869344	Soil	66	1.07	137	0.162	<1	2.87	0.043	0.26	0.2	0.02	5.8	0.3	<0.05	7	<0.5	<0.2
3869345	Soil	41	0.84	172	0.124	2	2.69	0.016	0.15	<0.1	0.05	8.7	0.3	<0.05	9	0.8	<0.2
3869346	Soil	74	0.85	142	0.129	<1	2.43	0.022	0.27	0.2	0.03	6.0	0.2	<0.05	6	<0.5	<0.2
3869347	Soil	50	0.89	171	0.151	<1	2.45	0.019	0.17	0.1	0.03	4.8	0.3	<0.05	7	<0.5	<0.2
3869348	Soil	38	0.83	143	0.124	2	2.40	0.015	0.11	0.1	0.03	6.1	0.2	<0.05	8	0.6	<0.2
3869349	Soil	37	0.74	111	0.142	<1	1.78	0.022	0.10	0.1	0.04	6.0	0.2	<0.05	6	<0.5	<0.2
3869350	Soil	29	0.64	124	0.122	1	1.78	0.019	0.12	0.1	0.02	6.0	0.2	<0.05	6	<0.5	<0.2
3869351	Soil	44	1.05	208	0.141	2	2.94	0.011	1.05	<0.1	0.05	7.9	0.7	<0.05	11	<0.5	<0.2
3869352	Soil	39	0.72	153	0.092	2	2.39	0.018	0.15	<0.1	0.02	6.7	0.2	<0.05	7	<0.5	<0.2
3869353	Soil	40	0.68	136	0.098	2	2.73	0.020	0.05	<0.1	0.02	6.1	<0.1	<0.05	7	0.5	<0.2
3869354	Soil	34	0.85	161	0.105	<1	2.71	0.018	0.18	<0.1	0.02	6.2	0.2	<0.05	8	<0.5	0.6
3869355	Soil	26	0.36	120	0.067	<1	1.78	0.016	0.04	0.1	0.04	3.3	<0.1	<0.05	6	0.8	<0.2
3869356	Soil	24	0.27	96	0.038	<1	1.32	0.013	0.06	0.1	0.05	3.1	0.1	<0.05	5	0.9	<0.2
3869357	Soil	28	0.47	142	0.076	2	1.48	0.018	0.05	<0.1	0.04	5.2	<0.1	<0.05	5	<0.5	<0.2
3869358	Soil	30	0.44	137	0.075	1	1.79	0.018	0.04	0.1	0.04	5.2	0.1	<0.05	6	<0.5	<0.2
3869359	Soil	26	0.47	112	0.082	2	1.50	0.016	0.04	0.1	0.08	4.0	<0.1	<0.05	6	0.6	<0.2
3869360	Soil	35	0.63	173	0.109	<1	2.52	0.016	0.04	0.1	0.04	4.9	0.1	<0.05	7	<0.5	<0.2
3869361	Soil	48	0.82	188	0.145	2	3.51	0.025	0.06	<0.1	0.04	7.2	0.1	<0.05	8	<0.5	<0.2
3869362	Soil	30	0.59	147	0.096	1	1.96	0.020	0.03	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
3869363	Soil	32	0.57	143	0.129	4	1.56	0.022	0.03	<0.1	0.05	5.3	<0.1	<0.05	5	<0.5	<0.2
3869364	Soil	27	0.51	139	0.092	2	1.60	0.022	0.03	0.1	0.05	4.4	<0.1	<0.05	5	<0.5	<0.2
3869365	Soil	62	1.03	177	0.105	1	2.88	0.029	0.05	0.1	0.17	14.3	0.1	0.08	7	1.1	<0.2
3869366	Soil	39	0.73	158	0.140	3	2.80	0.024	0.06	<0.1	0.04	6.7	0.1	0.09	8	0.7	<0.2
3869367	Soil	35	0.65	136	0.117	2	2.24	0.024	0.07	<0.1	0.03	5.5	<0.1	0.07	8	0.6	<0.2
3869368	Soil	25	0.40	95	0.085	1	1.67	0.024	0.07	0.1	0.03	4.2	<0.1	0.09	6	0.6	<0.2
3869369	Soil	45	0.79	152	0.124	2	2.97	0.023	0.09	0.1	0.02	6.9	0.2	0.08	8	0.7	<0.2
3869370	Soil	38	0.69	147	0.139	2	2.17	0.026	0.09	<0.1	0.01	6.7	0.1	0.08	6	<0.5	<0.2



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Project: Atsutla
Report Date: November 13, 2021

Page: 6 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI21000547.1

Method Analyte	Unit	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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
MDL		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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
3869371	Soil	0.8	34.4	11.1	52	<0.1	29.9	12.2	322	3.30	8.5	2.4	3.5	39	<0.1	0.4	0.1	88	0.53	0.052	15
3869372	Soil	0.4	23.9	23.8	44	<0.1	21.4	9.5	397	2.63	6.0	0.8	11.7	28	<0.1	0.3	0.2	53	0.50	0.065	40
3869373	Soil	0.5	37.3	7.8	55	<0.1	28.2	11.3	392	3.23	6.4	2.1	4.4	47	<0.1	0.3	<0.1	94	0.72	0.062	20
3869374	Soil	0.9	32.7	9.8	49	<0.1	28.2	11.7	293	3.30	7.3	6.7	2.9	33	0.1	0.4	0.1	89	0.52	0.063	17
3869375	Soil	0.4	27.9	16.9	80	<0.1	25.7	10.9	407	3.11	9.0	1.0	5.6	40	<0.1	0.4	0.1	79	0.58	0.064	19
3869376	Soil	0.7	35.0	10.0	50	<0.1	28.2	10.8	371	3.27	7.8	1.1	4.0	40	<0.1	0.3	0.1	88	0.55	0.037	15
3869377	Soil	0.6	33.0	17.2	54	<0.1	28.1	12.2	330	3.27	7.9	2.1	5.8	33	<0.1	0.4	0.2	80	0.52	0.049	27
3869378	Soil	0.5	40.3	8.4	53	<0.1	31.9	11.3	394	3.49	8.4	1.8	4.7	39	<0.1	0.3	0.1	100	0.53	0.041	20
3869379	Soil	0.6	36.7	13.7	61	<0.1	31.2	11.8	418	3.40	15.1	9.0	7.7	38	<0.1	0.4	0.2	94	0.52	0.046	43
3869380	Soil	0.6	30.7	9.9	53	<0.1	26.7	10.1	325	3.09	7.3	1.3	4.2	35	<0.1	0.3	0.1	83	0.52	0.046	18
3869381	Soil	0.7	28.7	15.0	54	<0.1	27.9	12.2	403	3.43	13.8	2.1	7.5	26	<0.1	0.4	0.2	76	0.44	0.045	17
3869382	Soil	0.6	40.8	14.2	58	<0.1	37.2	12.3	540	3.71	8.6	1.9	8.7	41	<0.1	0.6	0.1	86	0.57	0.050	28
3869383	Soil	0.7	42.9	10.8	67	<0.1	37.0	14.1	573	3.89	95.0	3.6	7.2	49	<0.1	2.2	0.1	92	0.65	0.069	28
3869384	Soil	0.9	39.1	11.5	60	<0.1	30.7	14.5	455	3.66	9.4	14.5	5.2	43	<0.1	0.4	0.1	89	0.57	0.059	21
3869385	Soil	1.0	28.5	15.5	63	<0.1	26.3	13.8	397	3.62	17.5	8.0	7.0	32	<0.1	0.7	0.2	81	0.44	0.066	24
3869386	Soil	0.9	28.9	18.9	61	<0.1	29.9	14.7	528	3.75	10.5	2.0	8.7	27	0.1	0.4	0.2	87	0.42	0.067	25
3869387	Soil	0.6	35.1	12.2	57	<0.1	29.2	11.2	341	3.21	7.3	1.0	5.2	36	<0.1	0.3	0.1	87	0.53	0.053	31
3869388	Soil	0.7	29.3	9.8	49	<0.1	22.1	10.3	328	2.84	6.8	4.0	2.3	31	<0.1	0.3	0.1	74	0.45	0.056	14
3869389	Soil	0.6	29.2	13.0	55	<0.1	27.5	10.1	333	3.30	20.6	5.0	6.7	36	<0.1	0.4	0.1	82	0.53	0.044	35
3869390	Soil	1.2	34.4	13.1	41	0.2	23.8	9.8	235	2.94	12.1	5.6	2.7	40	<0.1	0.5	0.2	73	0.52	0.067	24
3869391	Soil	0.4	25.2	11.7	49	<0.1	23.4	10.4	333	2.89	6.2	2.8	5.1	32	<0.1	0.3	0.1	72	0.50	0.045	17
3869392	Soil	0.6	36.3	12.0	57	<0.1	31.9	12.6	362	3.72	8.2	1.8	5.8	38	<0.1	0.4	0.1	91	0.55	0.047	15
3869393	Soil	0.6	28.6	12.7	55	<0.1	23.9	11.6	289	3.00	7.4	2.4	4.8	33	<0.1	0.3	0.1	72	0.52	0.054	16
3869394	Soil	1.0	36.6	11.5	58	<0.1	33.7	13.7	422	3.72	11.6	2.0	4.8	46	<0.1	0.3	0.1	95	0.59	0.042	17
3869395	Soil	0.6	33.4	10.9	53	0.1	28.5	11.9	322	3.16	7.6	2.1	3.4	40	<0.1	0.3	0.1	84	0.59	0.060	16
3869396	Soil	0.8	40.5	13.1	62	0.1	33.7	13.6	447	3.65	9.6	1.9	6.4	47	<0.1	0.4	0.1	91	0.65	0.061	34
3869397	Soil	0.7	34.6	8.9	51	<0.1	28.3	12.5	297	3.35	7.4	2.2	3.0	35	<0.1	0.3	0.1	99	0.50	0.054	13
3869398	Soil	0.6	38.7	9.2	57	<0.1	30.3	12.6	370	3.45	7.5	2.3	3.4	42	<0.1	0.4	0.1	94	0.60	0.057	17
3869399	Soil	0.7	38.0	12.1	55	<0.1	29.7	12.6	401	3.38	7.7	2.6	4.5	43	<0.1	0.3	0.1	94	0.57	0.043	22
3869400	Soil	0.8	34.1	10.5	58	<0.1	29.8	13.8	361	3.62	9.2	2.0	3.6	36	<0.1	0.3	0.1	94	0.51	0.045	12



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Report Date: November 13, 2021

Page: 6 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI21000547.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
3869371	Soil	42	0.72	173	0.127	2	2.58	0.031	0.07	<0.1	0.04	7.8	0.1	0.06	8	<0.5	<0.2
3869372	Soil	26	0.58	107	0.073	1	1.75	0.017	0.28	<0.1	<0.01	7.5	0.2	0.06	5	<0.5	<0.2
3869373	Soil	40	0.77	143	0.137	1	2.04	0.044	0.07	<0.1	0.02	8.6	<0.1	0.07	6	<0.5	<0.2
3869374	Soil	37	0.67	166	0.128	2	2.70	0.028	0.06	0.1	0.03	6.9	<0.1	0.07	8	<0.5	<0.2
3869375	Soil	38	0.71	146	0.138	2	2.04	0.033	0.10	0.1	0.01	7.9	0.1	0.08	6	<0.5	<0.2
3869376	Soil	43	0.74	158	0.139	1	2.14	0.026	0.06	0.1	0.02	7.9	<0.1	0.06	6	<0.5	<0.2
3869377	Soil	38	0.74	162	0.126	1	2.34	0.026	0.08	<0.1	0.02	7.2	0.1	0.07	7	<0.5	<0.2
3869378	Soil	44	0.83	200	0.156	2	2.46	0.029	0.09	<0.1	0.02	9.8	<0.1	0.06	6	<0.5	<0.2
3869379	Soil	44	0.81	177	0.139	<1	2.39	0.024	0.13	0.1	0.02	10.0	0.2	0.08	7	0.7	<0.2
3869380	Soil	38	0.75	144	0.145	1	2.11	0.028	0.08	0.1	0.03	7.2	0.1	0.08	6	<0.5	<0.2
3869381	Soil	39	0.71	160	0.124	1	2.45	0.019	0.17	0.1	0.02	6.4	0.2	0.07	7	<0.5	<0.2
3869382	Soil	50	0.87	194	0.143	<1	2.54	0.028	0.20	0.1	0.03	10.7	0.2	0.08	7	0.6	<0.2
3869383	Soil	48	0.81	176	0.154	1	2.23	0.044	0.16	0.1	0.05	10.7	0.2	0.09	7	0.6	<0.2
3869384	Soil	45	0.81	174	0.146	1	2.71	0.024	0.13	0.1	0.05	8.6	0.2	0.09	8	0.5	<0.2
3869385	Soil	38	0.73	167	0.110	<1	2.50	0.019	0.15	0.1	0.05	6.4	0.3	0.10	8	0.6	<0.2
3869386	Soil	40	0.69	147	0.139	1	2.45	0.020	0.20	0.1	0.02	6.0	0.2	0.10	7	0.5	<0.2
3869387	Soil	42	0.78	154	0.148	1	2.23	0.029	0.11	<0.1	0.02	8.1	0.1	0.08	6	<0.5	<0.2
3869388	Soil	32	0.66	141	0.113	1	2.22	0.031	0.07	0.1	0.02	5.8	<0.1	0.09	6	<0.5	<0.2
3869389	Soil	41	0.76	159	0.143	1	2.14	0.027	0.14	0.1	0.03	8.4	0.1	0.08	6	<0.5	<0.2
3869390	Soil	37	0.50	166	0.081	<1	2.29	0.020	0.08	0.1	0.07	6.3	0.1	0.10	8	0.8	<0.2
3869391	Soil	35	0.70	133	0.127	<1	1.93	0.023	0.09	<0.1	0.02	6.3	0.1	0.06	6	<0.5	<0.2
3869392	Soil	45	0.82	162	0.152	2	2.91	0.027	0.11	0.1	0.03	9.0	0.1	0.09	8	<0.5	<0.2
3869393	Soil	36	0.65	149	0.120	1	2.18	0.030	0.07	0.1	0.03	6.5	0.1	0.10	6	<0.5	<0.2
3869394	Soil	49	0.85	204	0.154	1	2.65	0.029	0.08	0.1	0.03	9.1	0.1	0.09	7	0.6	<0.2
3869395	Soil	39	0.76	169	0.130	1	2.63	0.030	0.09	0.1	0.03	7.2	0.1	0.09	7	<0.5	<0.2
3869396	Soil	45	0.79	177	0.147	2	2.53	0.038	0.13	0.1	0.04	9.8	0.2	0.12	7	0.5	<0.2
3869397	Soil	39	0.72	164	0.119	1	2.35	0.028	0.06	0.1	0.03	6.5	<0.1	0.08	7	<0.5	<0.2
3869398	Soil	44	0.74	150	0.141	1	2.36	0.040	0.08	<0.1	0.03	7.9	0.1	0.08	7	<0.5	<0.2
3869399	Soil	45	0.70	174	0.144	<1	2.42	0.033	0.08	0.1	0.04	8.6	<0.1	0.08	7	<0.5	<0.2
3869400	Soil	44	0.81	176	0.140	1	2.90	0.028	0.06	<0.1	0.03	7.4	0.1	0.11	8	<0.5	<0.2



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Report Date: November 13, 2021

Page: 7 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI21000547.1

Method Analyte	Unit	MDL	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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
			0.1	0.1	0.1	1	0.1	0.1	0.1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1	
3869401	Soil		0.7	29.0	12.8	41	<0.1	22.9	10.2	2.96	6.6	2.1	3.9	25	<0.1	0.5	0.1	81	0.34	0.026	10	
3869402	Soil		0.5	32.0	10.1	44	<0.1	25.5	10.7	3.05	7.8	2.9	5.6	37	<0.1	0.4	0.1	75	0.57	0.037	17	
3869403	Soil		0.9	28.7	14.4	46	<0.1	25.3	11.4	3.43	8.7	2.3	5.9	26	<0.1	0.4	0.1	81	0.40	0.032	20	
3869404	Soil		1.0	34.2	10.3	54	0.1	27.7	11.3	3.40	11.6	5.2	5.0	31	<0.1	0.5	0.2	87	0.43	0.066	20	
3869405	Soil		0.5	38.6	14.1	53	<0.1	29.8	12.5	3.01	6.3	4.2	4.9	36	<0.1	0.4	0.2	73	0.54	0.037	17	
3869406	Soil		0.4	22.2	12.9	43	<0.1	19.8	8.5	2.40	4.7	1.6	6.6	27	<0.1	0.3	0.1	60	0.42	0.033	19	
3869407	Soil		1.0	24.5	9.0	41	0.1	20.7	8.6	2.73	8.5	2.1	2.9	22	<0.1	0.4	0.1	72	0.28	0.023	7	
3869408	Soil		0.9	29.2	10.1	53	0.1	26.7	11.7	3.25	8.2	2.3	4.0	28	0.1	0.5	0.2	80	0.37	0.039	13	
3869409	Soil		1.4	38.1	11.6	62	<0.1	28.6	11.7	3.08	7.6	5.5	5.3	28	<0.1	0.7	0.2	68	0.35	0.034	19	
3869410	Soil		2.1	30.1	11.2	51	0.1	19.8	10.7	2.81	10.1	1.6	2.4	23	0.2	0.6	0.2	82	0.29	0.041	10	
3869411	Soil		1.1	22.9	15.1	52	<0.1	18.2	10.6	3.11	12.2	1.4	6.5	23	0.1	0.8	0.2	55	0.28	0.021	16	
3869412	Soil		0.6	55.4	35.4	108	0.2	19.8	12.5	3.47	15.6	4.9	13.9	21	0.1	0.4	5.5	46	0.35	0.029	46	
3869413	Soil		1.2	31.5	10.5	57	<0.1	29.2	13.1	3.52	9.2	3.0	4.6	23	<0.1	0.5	0.2	90	0.31	0.027	13	
3869414	Soil		1.1	41.4	26.5	88	<0.1	44.5	24.3	4.31	8.6	1.0	13.0	10	<0.1	0.4	0.4	17	0.09	0.030	38	
3869415	Soil		0.7	34.6	9.1	59	<0.1	30.8	13.7	3.49	8.9	3.6	3.8	31	<0.1	0.4	0.1	93	0.44	0.051	12	
3869416	Soil		0.8	33.1	9.4	52	<0.1	26.6	12.6	3.10	7.8	2.6	3.8	33	<0.1	0.5	0.1	75	0.42	0.036	16	
3869417	Soil		1.0	26.8	20.6	65	<0.1	21.8	9.8	3.29	3.02	7.0	1.5	2.7	21	0.1	0.4	0.1	76	0.30	0.048	10
3869418	Soil		1.4	31.9	8.2	51	<0.1	24.9	11.9	4.29	3.36	7.6	3.7	2.2	28	0.1	0.5	0.1	88	0.36	0.046	10
3869419	Soil		0.9	37.8	11.9	55	<0.1	24.9	10.0	3.28	3.22	8.2	5.5	3.4	34	<0.1	0.7	0.2	65	0.53	0.052	19
3869420	Soil		0.5	28.0	12.4	49	<0.1	23.3	9.7	2.72	5.7	0.9	5.9	24	<0.1	0.4	0.1	57	0.32	0.031	21	
3869421	Soil		6.8	55.4	19.8	241	0.5	43.7	14.1	4.79	3.51	31.5	4.7	13.1	34	2.2	3.1	0.3	45	0.29	0.097	37
3869422	Soil		0.7	37.2	16.5	51	0.1	37.7	13.5	3.06	9.8	5.0	13.4	33	<0.1	0.6	0.2	72	0.52	0.037	72	
3869423	Soil		0.9	22.9	16.1	46	<0.1	19.3	9.3	2.87	13.9	2.4	7.9	25	<0.1	0.5	0.2	60	0.31	0.027	21	
3869424	Soil		0.4	13.9	22.2	49	<0.1	9.2	5.8	2.55	8.2	2.5	15.0	22	<0.1	0.4	0.2	25	0.21	0.030	40	
3869425	Soil		0.9	35.9	16.9	62	0.4	39.2	12.9	3.16	15.7	7.5	5.6	33	0.1	0.7	0.1	80	0.44	0.031	25	
3869426	Soil		1.2	26.3	13.0	151	<0.1	14.9	8.3	3.59	2.73	55.9	1.8	7.5	18	0.4	0.5	0.3	50	0.23	0.015	19
3869427	Soil		0.8	24.1	18.9	42	<0.1	15.8	7.4	3.03	2.07	11.4	2.6	6.1	25	0.1	0.4	0.1	52	0.35	0.022	20
3869428	Soil		0.8	25.2	75.7	474	0.2	6.0	3.7	12.24	2.05	829.9	64.8	6.7	19	1.4	1.3	0.4	17	0.21	0.027	17
3869429	Soil		0.9	29.1	150.0	132	0.4	17.9	9.5	11.04	2.91	321.7	50.7	5.5	32	0.2	1.1	0.1	55	0.41	0.030	17
3869430	Soil		0.8	22.2	23.0	49	<0.1	17.6	9.2	3.66	2.57	92.3	22.3	5.5	26	<0.1	0.6	0.1	64	0.33	0.015	14

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



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Page: 7 of 12

Part: 2 of 2

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
MDL		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		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		
3869401	Soil	35	0.58	143	0.096	2	2.55	0.016	0.06	<0.1	0.02	6.0	0.1	0.06	7	<0.5	<0.2	
3869402	Soil	37	0.70	173	0.099	2	2.09	0.025	0.08	0.1	0.03	8.5	0.1	0.07	6	<0.5	<0.2	
3869403	Soil	40	0.63	143	0.110	2	2.47	0.020	0.10	0.1	0.03	7.3	0.1	0.07	7	0.7	<0.2	
3869404	Soil	41	0.72	155	0.105	2	2.73	0.022	0.09	0.1	0.05	8.0	0.1	0.06	7	0.8	<0.2	
3869405	Soil	39	0.69	150	0.111	2	1.96	0.031	0.10	0.1	0.02	8.0	0.1	0.06	6	<0.5	<0.2	
3869406	Soil	29	0.66	109	0.110	2	1.55	0.019	0.14	<0.1	0.02	6.1	0.2	0.07	5	0.5	<0.2	
3869407	Soil	32	0.48	137	0.090	2	2.21	0.021	0.05	<0.1	0.04	5.1	0.1	0.08	7	0.6	<0.2	
3869408	Soil	37	0.65	167	0.099	2	2.28	0.020	0.05	<0.1	0.03	6.1	0.1	0.06	6	0.9	<0.2	
3869409	Soil	32	0.52	135	0.087	2	1.61	0.021	0.04	<0.1	0.02	5.7	<0.1	0.07	5	0.6	<0.2	
3869410	Soil	29	0.56	143	0.082	1	1.64	0.015	0.05	0.1	0.03	4.0	0.1	0.06	8	0.6	<0.2	
3869411	Soil	28	0.57	209	0.062	1	1.96	0.017	0.11	<0.1	0.04	6.7	0.2	0.06	5	0.6	<0.2	
3869412	Soil	26	1.17	90	0.035	1	1.90	0.014	0.05	<0.1	0.04	6.8	<0.1	0.06	5	0.6	0.3	
3869413	Soil	40	0.71	148	0.101	2	2.75	0.018	0.05	<0.1	0.03	6.7	<0.1	0.07	7	0.6	<0.2	
3869414	Soil	16	0.15	49	0.014	1	0.63	0.005	0.05	<0.1	0.02	3.4	<0.1	0.06	2	0.6	<0.2	
3869415	Soil	41	0.79	159	0.120	2	2.61	0.027	0.05	0.1	0.03	7.2	<0.1	0.07	7	0.7	<0.2	
3869416	Soil	36	0.68	168	0.096	1	2.12	0.024	0.04	<0.1	0.03	6.3	<0.1	0.06	6	0.5	<0.2	
3869417	Soil	31	0.53	117	0.093	2	2.26	0.021	0.04	0.1	0.10	4.8	<0.1	0.10	7	0.7	<0.2	
3869418	Soil	37	0.53	161	0.106	2	2.40	0.027	0.04	0.1	0.02	5.7	0.1	0.08	8	0.9	<0.2	
3869419	Soil	30	0.58	115	0.093	2	1.68	0.038	0.06	<0.1	0.05	5.4	<0.1	0.09	5	0.8	<0.2	
3869420	Soil	30	0.63	111	0.080	1	1.85	0.020	0.04	<0.1	0.02	5.5	<0.1	0.06	5	0.5	<0.2	
3869421	Soil	22	0.18	207	0.026	1	0.69	0.010	0.04	0.1	0.19	4.0	<0.1	0.06	2	2.6	<0.2	
3869422	Soil	47	0.63	171	0.086	1	1.96	0.024	0.11	<0.1	0.04	11.4	0.1	0.08	5	0.6	<0.2	
3869423	Soil	29	0.53	135	0.069	<1	1.58	0.015	0.10	<0.1	0.02	5.5	0.1	0.06	5	0.6	<0.2	
3869424	Soil	14	0.33	80	0.030	<1	0.84	0.010	0.09	<0.1	0.02	3.8	0.1	<0.05	2	<0.5	<0.2	
3869425	Soil	48	0.78	168	0.109	2	2.21	0.022	0.11	<0.1	0.03	7.9	0.2	0.05	7	0.6	<0.2	
3869426	Soil	25	0.34	137	0.057	<1	1.29	0.016	0.14	<0.1	0.01	3.1	0.2	0.11	4	<0.5	<0.2	
3869427	Soil	24	0.43	115	0.074	1	1.25	0.023	0.14	<0.1	0.02	4.7	<0.1	0.07	4	0.5	<0.2	
3869428	Soil	10	0.18	103	0.014	<1	0.57	0.008	0.27	<0.1	0.09	3.3	0.1	0.07	2	0.6	<0.2	
3869429	Soil	28	0.47	152	0.058	<1	1.38	0.023	0.21	<0.1	0.05	7.2	<0.1	0.08	4	0.6	<0.2	
3869430	Soil	30	0.51	134	0.087	<1	1.46	0.024	0.12	<0.1	0.02	4.8	<0.1	0.09	5	<0.5	<0.2	



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Project: Atsutla
Report Date: November 13, 2021

Page: 8 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI21000547.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	
3869431	Soil	1.6	15.5	10.5	60	0.1	11.7	9.6	412	2.88	14.6	1.0	5.6	12	0.1	0.7	0.2	53	0.14	0.023	10
3869432	Soil	0.6	28.3	7.9	53	<0.1	22.2	9.4	412	2.89	5.6	1.1	4.9	35	<0.1	0.4	<0.1	75	0.52	0.041	16
3869433	Soil	0.3	29.7	5.8	43	<0.1	23.5	9.6	371	2.61	5.1	3.5	3.0	33	<0.1	0.3	<0.1	73	0.46	0.021	12
3869434	Soil	0.7	30.1	6.5	55	<0.1	25.8	11.1	439	3.08	8.0	1.8	3.2	39	<0.1	0.4	<0.1	82	0.68	0.055	12
3869435	Soil	0.5	13.5	20.8	31	0.2	7.8	3.3	120	1.53	13.7	3.2	9.8	14	<0.1	0.5	0.2	28	0.18	0.011	16
3869436	Soil	0.7	26.7	17.0	58	<0.1	20.3	8.9	394	2.68	6.0	3.5	9.2	27	<0.1	0.4	0.2	63	0.32	0.022	35
3869437	Soil	0.8	22.4	10.0	47	<0.1	16.7	7.7	299	2.38	7.4	1.6	6.9	26	<0.1	0.5	0.2	54	0.29	0.023	21
3869438	Soil	0.5	27.5	9.7	49	<0.1	18.8	8.4	257	2.57	7.2	2.5	4.2	28	<0.1	0.4	0.1	66	0.40	0.031	14
3869439	Soil	0.8	15.3	25.0	59	0.2	7.0	2.3	258	1.38	1.6	<0.5	15.2	15	0.1	0.2	0.6	14	0.21	0.012	47
3869440	Soil	0.6	24.5	13.4	51	<0.1	16.9	7.5	357	2.43	5.0	1.7	8.1	29	<0.1	0.4	0.1	55	0.34	0.019	25
3869441	Soil	0.4	17.6	15.0	64	<0.1	12.3	4.7	280	1.99	3.6	9.7	8.4	18	<0.1	0.2	0.2	34	0.23	0.018	20
3869442	Soil	0.4	44.7	4.7	47	<0.1	28.6	11.5	345	3.02	7.7	1.6	2.8	42	<0.1	0.4	<0.1	77	0.60	0.044	8
3869443	Soil	0.5	43.5	6.1	56	<0.1	29.9	11.6	388	3.05	7.1	5.1	3.1	45	<0.1	0.5	<0.1	79	0.66	0.053	11
3869444	Soil	1.8	41.5	11.6	58	0.3	38.1	17.3	294	3.08	21.1	8.8	2.6	46	0.2	2.7	<0.1	58	0.68	0.069	10
3869445	Soil	2.8	122.6	4.2	86	0.2	205.5	64.7	654	7.39	14.5	2.1	4.5	49	0.3	3.2	<0.1	80	3.46	0.120	28
3869446	Soil	0.5	41.7	2.9	41	<0.1	36.2	17.6	360	2.77	4.1	<0.5	2.1	21	<0.1	0.3	<0.1	51	0.40	0.048	5
3869447	Soil	0.2	79.0	2.4	48	<0.1	77.0	38.5	464	2.70	5.5	<0.5	1.2	41	<0.1	0.2	<0.1	58	1.79	0.167	2
3869448	Soil	1.5	43.9	8.1	58	<0.1	48.6	19.2	296	3.09	7.6	1.3	7.9	24	<0.1	0.5	<0.1	61	0.29	0.027	25
3869449	Soil	4.7	52.2	14.8	216	0.6	27.3	6.9	177	3.53	16.0	6.5	4.4	51	0.8	3.1	0.1	83	0.34	0.100	13
3869450	Soil	0.6	24.4	11.7	41	<0.1	16.9	6.8	316	2.30	7.5	1.3	6.6	24	<0.1	0.5	<0.1	56	0.30	0.009	20
3869451	Soil	0.3	28.8	7.6	48	<0.1	26.4	13.0	457	2.84	6.4	1.6	2.9	35	0.1	0.4	<0.1	71	0.54	0.056	10
3869452	Soil	0.5	25.5	7.6	46	<0.1	18.9	7.8	209	2.34	5.0	2.4	2.4	30	<0.1	0.3	<0.1	62	0.45	0.051	9
3869453	Soil	0.7	23.2	10.2	49	<0.1	20.1	9.8	257	2.61	8.3	5.2	2.4	30	<0.1	0.4	<0.1	67	0.43	0.056	9
3869454	Soil	0.5	26.9	12.2	46	<0.1	21.2	9.0	225	2.52	7.1	2.2	4.3	30	<0.1	0.3	<0.1	63	0.44	0.049	15
3869455	Soil	0.6	28.5	11.6	51	<0.1	24.5	10.4	261	2.80	8.2	1.5	3.6	29	<0.1	0.4	0.1	71	0.43	0.044	12
3869456	Soil	0.9	31.0	9.8	49	0.1	23.8	11.6	266	2.92	7.3	2.9	2.9	30	<0.1	0.5	0.1	73	0.38	0.048	11
3869457	Soil	0.5	29.1	13.1	51	<0.1	23.6	10.8	310	2.62	6.8	3.0	5.2	41	<0.1	0.3	0.1	68	0.54	0.055	16
3869458	Soil	0.5	30.9	7.5	46	<0.1	23.8	10.3	264	2.81	7.2	<0.5	3.3	40	<0.1	0.4	0.1	69	0.49	0.047	12
3869459	Soil	0.5	30.8	7.6	44	<0.1	24.0	9.3	257	2.67	13.5	1.0	3.0	36	<0.1	0.4	<0.1	70	0.48	0.043	12
3869460	Soil	0.4	26.7	12.6	48	<0.1	21.9	10.8	265	2.79	7.0	3.2	3.9	30	<0.1	0.4	<0.1	64	0.42	0.042	12



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Report Date: November 13, 2021

Page: 8 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI21000547.1

Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
MDL		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	0.2	
3869431	Soil	20	0.29	79	0.049	1	1.12	0.011	0.07	<0.1	0.02	3.6	<0.1	0.08	5	0.6	<0.2	
3869432	Soil	34	0.60	124	0.105	1	1.56	0.032	0.07	<0.1	0.02	6.9	<0.1	0.08	5	<0.5	<0.2	
3869433	Soil	33	0.67	113	0.106	<1	1.62	0.027	0.04	<0.1	0.02	6.7	<0.1	0.06	5	<0.5	<0.2	
3869434	Soil	33	0.71	149	0.112	2	1.77	0.044	0.11	<0.1	0.02	6.3	<0.1	0.07	5	<0.5	<0.2	
3869435	Soil	13	0.23	72	0.044	<1	0.61	0.019	0.12	<0.1	0.01	3.4	0.2	0.16	2	<0.5	<0.2	
3869436	Soil	30	0.76	139	0.083	1	1.79	0.019	0.05	<0.1	0.02	7.7	<0.1	<0.05	5	<0.5	<0.2	
3869437	Soil	25	0.45	142	0.081	<1	1.46	0.016	0.09	<0.1	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2	
3869438	Soil	27	0.54	127	0.097	1	1.65	0.021	0.07	<0.1	0.02	5.3	<0.1	<0.05	5	<0.5	<0.2	
3869439	Soil	9	0.24	60	0.015	<1	0.55	0.009	0.05	<0.1	0.01	3.3	<0.1	<0.05	2	<0.5	<0.2	
3869440	Soil	27	0.65	139	0.087	<1	1.63	0.019	0.07	<0.1	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2	
3869441	Soil	18	0.81	81	0.053	<1	1.30	0.012	0.05	<0.1	<0.01	3.4	<0.1	<0.05	4	0.6	<0.2	
3869442	Soil	36	0.70	143	0.109	3	1.67	0.038	0.04	<0.1	0.02	6.3	<0.1	<0.05	5	<0.5	<0.2	
3869443	Soil	35	0.74	183	0.122	2	1.95	0.043	0.05	0.1	0.03	7.2	<0.1	<0.05	6	0.6	<0.2	
3869444	Soil	37	0.68	332	0.129	2	1.66	0.027	0.06	<0.1	0.03	5.0	<0.1	<0.05	5	0.8	<0.2	
3869445	Soil	240	1.22	95	0.015	<1	2.37	0.011	0.02	<0.1	0.01	10.3	<0.1	<0.05	6	1.0	<0.2	
3869446	Soil	55	1.06	109	0.145	1	1.70	0.012	0.03	<0.1	<0.01	3.6	<0.1	<0.05	5	<0.5	<0.2	
3869447	Soil	125	1.63	53	0.085	<1	1.76	0.007	0.02	<0.1	<0.01	4.1	<0.1	<0.05	4	<0.5	<0.2	
3869448	Soil	45	0.72	208	0.084	<1	2.13	0.014	0.04	<0.1	0.01	5.2	<0.1	<0.05	6	<0.5	<0.2	
3869449	Soil	27	0.36	169	0.053	<1	1.10	0.019	0.05	<0.1	0.13	3.8	0.1	<0.05	4	2.6	<0.2	
3869450	Soil	26	0.47	158	0.088	<1	1.41	0.013	0.11	<0.1	0.02	5.4	0.1	<0.05	4	<0.5	<0.2	
3869451	Soil	34	0.74	131	0.111	1	1.90	0.025	0.05	0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2	
3869452	Soil	25	0.56	122	0.098	<1	1.74	0.024	0.05	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2	
3869453	Soil	27	0.55	143	0.090	3	1.79	0.021	0.04	<0.1	0.03	4.0	0.1	<0.05	6	<0.5	<0.2	
3869454	Soil	29	0.58	138	0.105	<1	1.76	0.017	0.06	0.1	0.01	5.2	<0.1	<0.05	5	<0.5	<0.2	
3869455	Soil	30	0.60	142	0.125	<1	2.06	0.017	0.06	0.1	0.02	4.7	0.1	<0.05	6	<0.5	<0.2	
3869456	Soil	31	0.55	158	0.107	<1	2.17	0.021	0.05	0.1	0.02	5.1	0.1	<0.05	7	<0.5	<0.2	
3869457	Soil	30	0.59	129	0.126	<1	1.58	0.030	0.07	0.1	0.02	5.6	0.1	<0.05	5	<0.5	<0.2	
3869458	Soil	31	0.62	151	0.103	2	1.82	0.025	0.05	0.1	0.03	6.1	<0.1	<0.05	5	<0.5	<0.2	
3869459	Soil	31	0.64	140	0.111	<1	1.78	0.022	0.04	0.1	0.03	5.5	<0.1	<0.05	6	<0.5	<0.2	
3869460	Soil	30	0.60	135	0.113	<1	1.86	0.019	0.05	0.1	0.02	4.6	<0.1	<0.05	6	0.5	<0.2	



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Page: 9 of 12

Part: 1 of 2

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
MDL	MDL	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	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
3869461	Soil	0.7	16.7	7.1	18	<0.1	6.4	2.5	55	1.42	3.4	2.2	0.8	17	<0.1	0.2	<0.1	31	0.20	0.042	7
3869462	Soil	0.5	22.2	7.8	27	<0.1	12.6	5.2	122	1.68	4.8	14.7	1.9	22	<0.1	0.3	<0.1	41	0.25	0.040	11
3869463	Soil	0.7	30.2	9.9	46	<0.1	22.5	9.6	250	2.79	7.2	12.0	3.0	34	<0.1	0.4	<0.1	72	0.45	0.036	11
3869464	Soil	0.6	25.9	9.9	43	<0.1	21.4	9.4	257	2.51	6.1	2.5	4.8	29	<0.1	0.3	<0.1	67	0.40	0.029	11
3869465	Soil	0.9	34.7	11.0	55	<0.1	28.2	12.5	388	3.27	9.7	2.9	6.4	36	<0.1	0.5	0.1	80	0.38	0.032	15
3869466	Soil	0.6	34.6	7.2	48	<0.1	28.5	11.8	370	3.00	7.3	1.2	3.9	26	<0.1	0.4	<0.1	77	0.35	0.038	10
3869467	Soil	0.7	29.5	9.9	51	<0.1	25.6	10.4	334	3.14	9.4	2.5	5.3	40	<0.1	0.5	<0.1	75	0.43	0.034	17
3869468	Soil	0.5	26.9	9.7	42	<0.1	23.0	10.2	316	2.69	14.8	2.4	4.8	36	<0.1	0.4	<0.1	70	0.41	0.029	16
3869469	Soil	0.6	24.6	10.6	54	<0.1	19.3	8.4	255	2.78	5.5	<0.5	5.7	25	<0.1	0.4	0.1	59	0.30	0.033	17
3869470	Soil	0.9	32.8	8.5	55	<0.1	26.5	12.6	320	3.29	9.7	2.3	3.4	31	<0.1	0.5	<0.1	84	0.34	0.025	13
3869471	Soil	1.1	24.1	13.0	43	0.4	12.8	8.9	284	2.11	3.3	0.9	1.9	42	0.2	0.4	0.1	34	0.62	0.057	35
3869472	Soil	3.4	40.2	15.5	172	0.3	41.0	12.1	354	3.35	12.8	0.8	6.7	25	1.2	2.3	0.1	51	0.37	0.076	30
3869473	Soil	1.5	34.6	9.5	73	0.2	32.5	15.5	361	3.91	12.2	2.3	3.8	27	0.3	0.7	0.2	107	0.28	0.042	9
3869474	Soil	0.6	36.8	9.4	58	<0.1	29.3	11.3	345	3.18	8.9	2.1	6.3	43	<0.1	0.5	0.2	89	0.48	0.047	21
3869475	Soil	1.7	32.7	10.3	64	0.2	31.7	14.9	302	3.96	14.7	2.2	4.3	27	0.1	0.8	0.2	101	0.25	0.050	11
3869476	Soil	0.9	30.2	7.3	53	0.1	31.0	13.0	327	3.31	9.0	2.4	2.8	38	0.1	0.5	0.1	95	0.48	0.061	10
3869477	Soil	1.3	24.2	17.5	81	0.2	23.5	9.9	283	2.94	14.7	3.7	8.6	25	0.7	1.4	0.2	65	0.38	0.081	32
3869478	Soil	2.9	25.2	14.3	59	0.4	20.3	6.8	191	2.79	13.8	1.2	7.6	35	0.1	2.0	0.2	77	0.36	0.081	29
3869479	Soil	2.1	36.0	10.6	70	0.4	36.7	16.4	335	4.19	15.6	3.3	4.3	32	0.2	0.9	0.2	110	0.33	0.062	11
3869480	Soil	0.8	40.0	6.7	59	<0.1	48.2	18.3	382	3.48	11.3	2.5	2.3	39	0.9	0.6	0.1	93	0.65	0.045	7
3869481	Soil	1.3	47.9	10.0	61	0.2	36.7	15.5	377	3.77	13.0	2.5	5.4	40	0.2	1.2	0.2	103	0.41	0.083	18
3869482	Soil	1.3	56.4	8.4	98	0.3	59.5	23.9	577	4.57	19.2	2.6	3.2	53	0.7	1.1	0.1	102	1.03	0.134	20
3869483	Soil	1.0	33.6	10.4	73	<0.1	25.7	9.8	314	3.33	8.6	1.9	8.9	33	<0.1	0.6	0.1	80	0.41	0.036	44
3869484	Soil	1.5	28.0	8.9	57	0.1	29.0	16.0	295	4.07	11.8	2.0	2.8	29	0.2	0.6	0.1	105	0.37	0.058	11
3869485	Soil	0.5	59.3	3.1	84	<0.1	96.9	36.3	717	4.29	5.7	0.8	1.6	22	0.3	0.3	<0.1	96	0.58	0.110	5
3869486	Soil	0.4	35.5	5.6	58	<0.1	31.0	12.6	387	3.30	7.7	2.6	2.8	42	0.1	0.4	<0.1	99	0.70	0.070	13
3869487	Soil	5.8	32.1	23.3	24	1.2	11.6	3.4	108	2.79	16.2	3.0	7.6	78	0.3	2.7	0.3	89	0.22	0.081	25
3869488	Soil	11.6	29.0	45.8	52	3.0	17.5	5.6	167	4.89	66.9	9.5	6.0	155	0.5	5.4	0.4	121	0.30	0.392	17
3869489	Soil	1.6	41.7	10.0	85	0.3	36.7	15.9	367	4.16	14.5	3.9	5.8	35	0.2	0.8	0.2	106	0.33	0.045	16
3869490	Soil	0.5	13.8	14.7	112	<0.1	12.9	6.5	547	2.35	4.2	<0.5	15.1	14	0.4	0.5	0.1	23	0.16	0.018	35

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



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Report Date: November 13, 2021

Page: 9 of 12

Part: 2 of 2

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WHI21000547.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		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	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		
3869461	Soil	14	0.15	63	0.046	1	1.01	0.018	0.03	<0.1	0.03	1.5	<0.1	<0.05	4	0.6	<0.2	
3869462	Soil	18	0.34	109	0.068	2	1.37	0.024	0.04	<0.1	0.04	3.3	<0.1	<0.05	5	<0.5	<0.2	
3869463	Soil	31	0.62	151	0.093	<1	2.07	0.022	0.04	0.1	0.04	5.0	<0.1	<0.05	6	<0.5	<0.2	
3869464	Soil	30	0.57	151	0.115	1	1.74	0.021	0.07	0.1	0.02	5.3	<0.1	<0.05	5	<0.5	<0.2	
3869465	Soil	38	0.74	179	0.110	3	2.59	0.022	0.06	<0.1	0.03	6.5	0.1	<0.05	7	0.6	<0.2	
3869466	Soil	34	0.69	154	0.117	1	2.38	0.018	0.05	0.1	0.02	5.8	0.1	<0.05	6	<0.5	<0.2	
3869467	Soil	35	0.68	175	0.105	1	2.30	0.021	0.06	<0.1	0.04	7.4	<0.1	<0.05	7	1.0	<0.2	
3869468	Soil	31	0.61	182	0.100	<1	1.82	0.020	0.07	0.1	<0.01	5.0	<0.1	<0.05	5	0.5	<0.2	
3869469	Soil	27	0.62	122	0.096	<1	2.01	0.015	0.11	<0.1	0.03	4.3	<0.1	<0.05	6	1.1	<0.2	
3869470	Soil	38	0.68	157	0.119	<1	2.52	0.023	0.04	0.1	0.03	7.5	0.1	<0.05	7	<0.5	<0.2	
3869471	Soil	17	0.26	159	0.034	1	1.53	0.024	0.05	<0.1	0.05	3.2	<0.1	<0.05	4	1.8	<0.2	
3869472	Soil	29	0.38	181	0.057	2	1.73	0.015	0.05	0.1	0.06	4.0	0.2	<0.05	4	1.9	<0.2	
3869473	Soil	44	0.83	179	0.126	3	3.24	0.028	0.05	0.1	0.04	6.2	0.1	<0.05	9	0.5	<0.2	
3869474	Soil	42	0.91	184	0.114	2	2.26	0.029	0.07	<0.1	0.03	8.0	<0.1	<0.05	6	<0.5	<0.2	
3869475	Soil	50	0.76	149	0.119	3	4.10	0.024	0.04	<0.1	0.04	6.9	0.1	<0.05	9	0.7	<0.2	
3869476	Soil	38	0.77	191	0.119	3	2.56	0.032	0.05	0.1	0.04	6.3	<0.1	<0.05	7	0.6	<0.2	
3869477	Soil	27	0.78	142	0.059	<1	1.91	0.017	0.04	<0.1	0.03	5.3	0.1	<0.05	5	0.7	<0.2	
3869478	Soil	29	0.49	138	0.092	<1	1.38	0.020	0.06	<0.1	0.07	3.6	0.1	0.10	5	0.5	<0.2	
3869479	Soil	49	0.81	193	0.126	2	3.47	0.027	0.06	<0.1	0.06	7.0	0.1	<0.05	9	0.9	<0.2	
3869480	Soil	57	0.67	511	0.110	2	2.60	0.030	0.04	0.1	0.03	4.8	<0.1	<0.05	7	0.6	<0.2	
3869481	Soil	44	0.86	206	0.127	2	3.09	0.032	0.06	0.1	0.06	6.6	0.1	<0.05	7	0.7	<0.2	
3869482	Soil	51	0.80	621	0.079	2	2.52	0.036	0.05	<0.1	0.07	8.1	<0.1	<0.05	7	0.7	<0.2	
3869483	Soil	37	0.88	274	0.096	<1	2.33	0.024	0.05	<0.1	0.04	6.7	<0.1	<0.05	7	<0.5	<0.2	
3869484	Soil	41	0.70	291	0.104	1	2.62	0.023	0.04	<0.1	0.04	5.5	0.1	<0.05	9	<0.5	<0.2	
3869485	Soil	150	1.63	152	0.142	<1	2.42	0.015	0.08	<0.1	0.02	6.9	<0.1	<0.05	7	<0.5	<0.2	
3869486	Soil	40	0.81	189	0.128	1	2.00	0.044	0.06	0.1	0.02	7.6	<0.1	<0.05	6	<0.5	<0.2	
3869487	Soil	22	0.24	300	0.036	<1	0.74	0.015	0.22	<0.1	0.11	3.3	0.5	0.56	2	2.4	<0.2	
3869488	Soil	38	0.32	432	0.037	1	1.22	0.018	0.35	0.2	0.37	5.8	0.7	0.72	4	8.9	0.2	
3869489	Soil	53	0.91	216	0.129	2	3.72	0.033	0.06	<0.1	0.08	8.6	0.2	<0.05	9	0.7	<0.2	
3869490	Soil	11	0.50	171	0.051	<1	0.97	0.011	0.22	<0.1	0.02	3.5	0.3	<0.05	3	<0.5	<0.2	



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Page: 10 of 12

Part: 1 of 2

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WHI21000547.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	
3869491	Soil	1.2	24.9	11.6	84	<0.1	22.4	10.0	429	3.45	9.6	1.8	4.8	27	0.2	0.6	0.2	78	0.27	0.033	15
3869492	Soil	1.5	32.2	34.2	79	0.1	26.6	10.4	332	3.42	11.9	4.2	6.6	32	0.1	0.5	0.4	79	0.42	0.045	21
3869493	Soil	1.1	33.7	15.2	60	0.2	28.1	12.6	387	3.45	12.0	3.1	8.5	43	<0.1	0.7	0.2	93	0.44	0.027	34
3869494	Soil	0.7	26.1	17.4	51	<0.1	20.7	9.6	362	2.42	16.2	3.2	10.9	32	0.1	0.4	0.1	69	0.43	0.045	66
3869495	Soil	0.8	32.8	24.3	54	0.1	21.1	8.2	185	2.73	6.6	1.2	8.0	30	0.1	0.4	0.2	73	0.36	0.045	28
3869496	Soil	0.5	22.9	25.8	45	<0.1	18.3	7.1	267	2.15	6.9	1.3	13.0	29	<0.1	0.3	0.2	63	0.36	0.032	29
3869497	Soil	0.6	31.4	12.4	49	<0.1	31.3	10.4	319	3.13	10.2	3.0	10.3	36	<0.1	0.4	0.1	84	0.41	0.022	37
2010501	Soil	0.6	40.4	23.5	65	<0.1	31.4	13.7	1021	3.25	7.3	2.6	13.8	39	0.1	0.7	0.2	52	0.39	0.048	27
2010502	Soil	0.8	46.3	9.5	71	<0.1	36.8	18.9	784	3.41	6.0	2.2	12.4	37	<0.1	0.6	0.2	70	0.37	0.035	29
2010503	Soil	0.9	39.8	22.5	71	<0.1	33.9	15.9	700	3.86	10.7	4.5	7.6	39	<0.1	0.8	0.2	86	0.53	0.053	18
2010504	Soil	0.9	60.4	10.9	81	0.1	39.3	18.1	622	4.10	11.9	4.0	4.9	53	0.2	1.0	0.1	99	0.85	0.079	15
2010505	Soil	0.6	32.1	10.8	57	<0.1	33.4	14.0	448	3.43	8.7	8.4	4.6	41	<0.1	0.6	0.1	87	0.62	0.045	13
2010506	Soil	1.1	31.8	14.2	69	<0.1	31.0	15.4	494	3.67	12.6	1.9	5.5	29	0.1	0.6	0.1	84	0.37	0.054	15
2010507	Soil	0.8	37.9	15.6	63	<0.1	31.2	13.0	423	3.22	9.6	1.9	6.1	40	<0.1	0.8	0.2	74	0.57	0.061	17
2010508	Soil	2.4	45.9	26.4	68	0.1	24.6	9.8	292	3.76	26.8	2.2	12.0	42	<0.1	2.9	0.6	50	0.50	0.062	35
2010509	Soil	0.5	44.4	13.4	73	<0.1	31.3	12.5	510	3.70	8.9	6.1	8.9	45	<0.1	0.6	0.1	81	0.59	0.061	23
2010510	Soil	2.2	44.3	14.2	72	0.5	30.1	13.4	341	3.96	17.6	9.0	5.7	91	0.1	1.9	0.2	97	0.40	0.226	19
2010511	Soil	1.9	58.2	15.2	98	0.3	37.3	15.7	625	3.77	15.7	3.6	5.9	57	0.8	1.6	0.2	88	0.80	0.159	17
2010512	Soil	2.1	46.8	9.8	71	<0.1	39.7	15.8	502	3.57	11.2	3.2	3.5	33	0.2	0.6	0.2	93	0.50	0.074	12
2010513	Soil	0.9	45.6	25.8	67	<0.1	54.5	20.7	716	4.10	9.0	1.7	12.3	24	0.1	0.5	0.3	72	0.45	0.077	27
2010514	Soil	0.9	29.2	21.1	44	<0.1	26.5	14.5	311	2.63	4.1	2.4	10.7	18	<0.1	0.2	0.3	44	0.34	0.072	18
2010515	Soil	0.8	29.2	32.1	57	<0.1	30.2	16.8	591	3.15	6.4	1.6	11.0	25	0.1	0.5	0.2	58	0.42	0.052	25
2010516	Soil	0.7	31.4	14.3	52	<0.1	31.9	13.3	397	3.17	7.0	2.9	8.2	28	<0.1	0.4	0.2	74	0.46	0.059	22
2010517	Soil	0.7	28.9	13.0	49	<0.1	28.5	13.3	403	3.31	6.4	2.7	8.3	30	<0.1	0.4	0.1	81	0.44	0.032	34
2010518	Soil	0.6	26.6	21.6	41	<0.1	22.8	14.2	553	2.44	6.4	1.3	6.8	31	<0.1	0.4	0.1	72	0.46	0.034	13
2010519	Soil	1.2	70.9	22.6	104	0.1	31.3	17.7	486	3.24	12.6	2.7	16.3	49	0.1	0.5	0.5	41	1.14	0.053	34
2010520	Soil	0.5	33.7	27.9	58	<0.1	29.1	12.1	641	2.96	9.8	2.7	10.9	24	<0.1	0.5	0.2	48	0.31	0.023	25
2010521	Soil	0.8	19.0	11.4	44	<0.1	14.9	6.4	282	2.10	5.6	1.8	5.0	23	<0.1	0.3	0.1	55	0.32	0.029	14
2010522	Soil	0.8	22.1	13.8	57	<0.1	17.5	7.1	287	2.53	5.1	1.8	8.2	30	<0.1	0.4	0.3	54	0.32	0.021	25
2010523	Soil	1.1	37.7	9.9	58	<0.1	35.4	16.4	494	3.75	9.6	3.0	4.5	32	0.1	0.5	0.1	102	0.39	0.030	13



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Page: 10 of 12

Part: 2 of 2

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
3869491	Soil	33	0.52	170	0.091	<1	1.94	0.025	0.05	0.1	0.03	6.4	<0.1	<0.05	7	<0.5	<0.2
3869492	Soil	36	0.62	212	0.096	<1	1.85	0.026	0.09	0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
3869493	Soil	43	0.76	209	0.113	<1	2.36	0.029	0.09	<0.1	0.04	8.9	<0.1	<0.05	7	<0.5	<0.2
3869494	Soil	31	0.54	160	0.102	<1	1.42	0.029	0.14	0.1	0.03	5.2	<0.1	<0.05	4	<0.5	<0.2
3869495	Soil	31	0.51	161	0.078	1	1.91	0.020	0.09	0.1	0.03	5.2	<0.1	<0.05	6	<0.5	<0.2
3869496	Soil	28	0.54	111	0.103	<1	1.33	0.025	0.12	<0.1	0.01	5.1	<0.1	<0.05	4	<0.5	<0.2
3869497	Soil	39	0.77	185	0.124	<1	1.94	0.023	0.09	<0.1	0.02	7.8	<0.1	<0.05	5	<0.5	<0.2
2010501	Soil	28	0.38	120	0.064	1	1.10	0.023	0.07	<0.1	0.03	4.9	<0.1	<0.05	3	<0.5	<0.2
2010502	Soil	35	0.61	186	0.088	<1	1.75	0.023	0.05	<0.1	0.02	6.7	<0.1	<0.05	5	<0.5	<0.2
2010503	Soil	43	0.71	189	0.107	<1	1.92	0.030	0.05	0.1	0.03	7.9	<0.1	<0.05	6	<0.5	<0.2
2010504	Soil	46	0.88	145	0.130	2	2.04	0.063	0.08	0.1	0.04	8.2	<0.1	<0.05	6	<0.5	<0.2
2010505	Soil	41	0.75	204	0.122	<1	1.97	0.034	0.06	0.1	0.03	6.8	<0.1	<0.05	6	<0.5	<0.2
2010506	Soil	40	0.56	147	0.097	1	1.99	0.023	0.05	0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
2010507	Soil	37	0.61	144	0.105	2	1.73	0.037	0.06	<0.1	0.05	5.9	<0.1	<0.05	5	<0.5	<0.2
2010508	Soil	24	0.45	88	0.062	3	0.99	0.039	0.10	<0.1	0.07	3.3	<0.1	0.09	3	1.7	<0.2
2010509	Soil	36	0.74	141	0.108	<1	1.94	0.039	0.07	<0.1	0.03	7.6	<0.1	<0.05	6	<0.5	<0.2
2010510	Soil	38	0.70	254	0.091	2	2.34	0.026	0.08	0.1	0.08	6.5	0.1	0.08	6	1.7	<0.2
2010511	Soil	38	0.66	170	0.103	1	1.80	0.035	0.09	0.1	0.09	7.5	0.1	<0.05	5	0.9	<0.2
2010512	Soil	40	0.78	184	0.137	3	2.65	0.032	0.08	0.1	0.04	6.8	<0.1	0.08	7	0.6	<0.2
2010513	Soil	59	1.20	169	0.047	2	2.62	0.015	0.05	<0.1	0.02	7.2	<0.1	0.06	7	<0.5	<0.2
2010514	Soil	29	1.06	96	0.048	2	1.87	0.011	0.08	<0.1	0.01	3.5	<0.1	0.06	5	0.7	<0.2
2010515	Soil	29	0.54	125	0.074	2	1.53	0.017	0.16	0.1	0.02	6.2	0.1	0.07	4	<0.5	<0.2
2010516	Soil	40	0.84	155	0.094	2	2.04	0.021	0.10	<0.1	0.02	6.6	0.1	<0.05	6	<0.5	<0.2
2010517	Soil	40	0.71	156	0.108	1	2.14	0.018	0.10	0.1	0.01	7.7	0.1	0.05	6	<0.5	<0.2
2010518	Soil	31	0.50	153	0.118	2	1.46	0.028	0.19	0.1	0.01	5.6	0.1	0.06	4	0.6	<0.2
2010519	Soil	23	0.42	93	0.053	2	1.19	0.028	0.10	<0.1	0.03	4.9	<0.1	<0.05	3	<0.5	<0.2
2010520	Soil	25	0.37	93	0.069	2	1.16	0.019	0.06	<0.1	0.02	5.6	<0.1	0.05	3	<0.5	<0.2
2010521	Soil	23	0.40	105	0.089	2	1.28	0.028	0.14	<0.1	0.01	4.8	<0.1	0.08	4	<0.5	<0.2
2010522	Soil	27	0.49	120	0.081	2	1.36	0.020	0.13	<0.1	0.02	5.9	<0.1	0.06	4	<0.5	<0.2
2010523	Soil	47	0.78	232	0.145	3	3.15	0.030	0.09	<0.1	0.03	8.1	0.1	<0.05	7	0.6	<0.2

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



BUREAU VERITAS MINERAL LABORATORIES
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Project: Atsutla
Report Date: November 13, 2021

Page: 11 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI21000547.1

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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
2010524	Soil	0.9	40.7	16.1	62	<0.1	29.7	11.4	562	3.33	6.3	3.1	6.9	37	<0.1	0.4	0.1	86	0.52	0.025	29
2010525	Soil	2.0	53.6	16.1	82	0.1	33.8	19.8	655	4.17	16.6	5.4	5.0	40	0.3	0.4	<0.1	101	0.62	0.051	24
2010526	Soil	0.9	27.5	13.2	58	<0.1	23.5	10.6	353	3.09	7.6	6.2	6.0	24	0.1	0.4	0.1	77	0.33	0.032	27
2010527	Soil	0.6	36.3	9.5	59	<0.1	27.9	11.9	382	3.20	7.3	3.4	4.4	42	<0.1	0.3	0.1	94	0.49	0.048	22
2010528	Soil	0.5	27.3	11.2	58	<0.1	19.2	7.7	398	2.82	4.2	2.2	8.1	34	<0.1	0.3	0.1	57	0.36	0.019	32
2010529	Soil	1.0	34.1	10.9	53	<0.1	29.6	11.6	398	3.48	8.0	4.6	5.3	34	<0.1	0.5	0.1	97	0.40	0.027	22
2010530	Soil	0.9	39.6	68.5	159	0.1	29.1	12.0	589	3.26	9.7	3.7	3.7	41	0.3	0.5	0.1	84	0.52	0.049	14
2010531	Soil	0.4	22.6	9.9	43	<0.1	21.4	8.0	337	2.47	5.3	2.6	5.5	27	<0.1	0.3	<0.1	68	0.34	0.013	17
2010532	Soil	0.3	34.2	5.4	46	<0.1	18.7	6.7	319	2.44	4.9	1.8	5.0	31	<0.1	0.3	<0.1	62	0.47	0.031	14
2010533	Soil	0.6	24.7	26.3	72	<0.1	19.4	7.4	401	2.61	4.9	7.7	8.2	28	0.2	0.4	0.2	63	0.35	0.021	31
2010534	Soil	5.1	66.3	7.8	1193	<0.1	23.8	9.0	822	3.61	5.5	1.9	4.7	38	0.9	0.4	0.3	78	0.58	0.040	17
2010535	Soil	1.0	34.4	8.4	81	<0.1	29.3	11.9	865	3.31	7.3	2.7	4.6	40	0.1	0.4	0.4	92	0.47	0.019	16
2010536	Soil	1.2	26.5	8.5	57	<0.1	24.5	11.6	472	3.04	7.8	1.8	4.9	23	<0.1	0.4	0.3	75	0.29	0.030	12
2010537	Soil	0.9	26.7	20.1	79	<0.1	20.8	9.3	591	2.85	7.3	1.5	7.7	27	<0.1	0.4	0.2	67	0.33	0.020	24
2010538	Soil	1.3	27.2	12.2	62	0.1	26.8	13.6	416	3.56	8.5	5.7	5.4	26	<0.1	0.4	0.2	97	0.36	0.038	13
2010539	Soil	0.6	27.2	10.3	59	<0.1	24.0	9.9	398	3.08	6.3	16.1	5.6	36	<0.1	0.3	0.1	82	0.50	0.035	21
2010540	Soil	1.0	26.8	10.8	65	<0.1	27.9	14.9	427	3.63	9.4	1.5	4.6	30	<0.1	0.4	0.1	98	0.42	0.044	15
2010541	Soil	1.1	21.1	30.2	100	<0.1	18.8	7.8	373	2.80	8.2	2.5	6.3	22	0.2	0.3	0.1	70	0.32	0.033	21
2010542	Soil	1.5	21.7	10.2	86	<0.1	24.4	12.7	1011	3.32	9.4	<0.5	2.7	29	0.2	0.5	0.1	86	0.39	0.045	8
2010543	Soil	1.4	25.7	9.0	60	<0.1	29.5	13.6	358	3.43	10.3	1.8	3.9	29	0.1	0.5	0.1	92	0.30	0.028	9
2010544	Soil	1.6	34.0	34.8	85	<0.1	42.7	19.9	504	4.22	12.4	1.5	4.5	32	0.2	0.6	0.2	114	0.28	0.019	10
2010545	Soil	0.5	52.4	3.8	54	<0.1	65.8	24.3	555	3.56	5.5	1.0	1.7	27	<0.1	0.3	<0.1	89	0.62	0.063	6
2010546	Soil	0.7	84.0	6.8	54	<0.1	32.0	14.2	405	3.45	7.7	3.1	2.5	41	<0.1	0.4	0.1	103	0.58	0.049	11
2010547	Soil	0.8	48.2	6.7	58	<0.1	44.6	16.9	458	3.55	7.1	2.1	2.4	43	<0.1	0.5	<0.1	107	0.63	0.059	11
2010548	Soil	1.1	48.3	8.6	68	0.1	36.8	14.1	421	3.39	9.8	3.5	2.6	36	0.1	0.6	0.4	78	0.48	0.063	13
2010549	Soil	0.8	45.6	8.9	56	<0.1	42.9	13.7	534	3.38	8.9	4.3	2.9	45	<0.1	0.5	0.2	88	0.73	0.035	11
2010550	Soil	0.8	66.7	7.6	55	<0.1	28.7	11.5	369	3.25	7.9	2.7	3.0	43	<0.1	0.5	0.2	85	0.55	0.031	11
2010551	Soil	1.5	24.5	32.0	85	0.1	17.2	5.5	311	2.16	6.1	2.4	10.7	22	0.2	0.4	0.3	36	0.22	0.019	42
2010552	Soil	0.9	39.1	19.1	68	0.2	28.9	11.8	550	3.20	10.3	4.0	5.8	49	<0.1	0.6	0.3	81	0.57	0.030	16
2010553	Soil	1.2	23.5	14.6	61	<0.1	23.3	9.9	353	3.08	7.5	3.9	7.7	24	<0.1	0.4	0.3	62	0.29	0.027	13



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Page: 11 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI21000547.1

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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		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	
2010524	Soil	43	0.82	174	0.136	1	2.17	0.033	0.08	<0.1	0.04	9.1	<0.1	0.06	6	<0.5	<0.2
2010525	Soil	52	2.16	243	0.168	2	2.74	0.044	0.50	<0.1	0.02	9.7	0.4	<0.05	7	<0.5	<0.2
2010526	Soil	34	0.77	154	0.098	2	2.49	0.020	0.08	<0.1	0.02	5.8	<0.1	0.06	7	0.6	<0.2
2010527	Soil	40	0.77	179	0.138	3	2.31	0.033	0.10	0.1	0.02	8.7	<0.1	0.06	6	0.6	<0.2
2010528	Soil	29	0.68	194	0.099	1	1.55	0.027	0.11	<0.1	0.02	6.8	<0.1	0.06	5	<0.5	<0.2
2010529	Soil	43	0.70	182	0.138	2	2.57	0.026	0.07	<0.1	0.02	8.2	<0.1	0.06	7	0.6	<0.2
2010530	Soil	37	0.71	162	0.125	2	2.03	0.034	0.12	0.1	0.04	7.2	0.2	0.08	6	0.7	<0.2
2010531	Soil	32	0.57	122	0.118	1	1.72	0.019	0.15	<0.1	0.02	6.6	<0.1	0.06	5	<0.5	<0.2
2010532	Soil	26	0.66	83	0.107	2	1.41	0.034	0.15	<0.1	0.01	6.0	<0.1	0.06	4	<0.5	<0.2
2010533	Soil	29	0.56	138	0.099	1	1.68	0.021	0.12	<0.1	0.01	6.1	<0.1	0.07	5	<0.5	<0.2
2010534	Soil	36	0.91	117	0.135	2	1.95	0.043	0.25	<0.1	0.03	7.1	0.3	0.06	5	<0.5	<0.2
2010535	Soil	42	0.72	214	0.138	2	2.16	0.029	0.11	<0.1	0.02	8.7	0.1	0.07	6	<0.5	<0.2
2010536	Soil	35	0.57	197	0.103	2	2.22	0.024	0.15	<0.1	0.02	5.5	0.2	0.08	6	0.6	<0.2
2010537	Soil	31	0.58	175	0.116	<1	1.97	0.017	0.20	<0.1	0.01	6.8	0.2	0.09	5	<0.5	<0.2
2010538	Soil	41	0.71	175	0.127	2	2.72	0.026	0.07	0.1	0.03	6.1	0.1	0.08	7	1.0	<0.2
2010539	Soil	38	0.78	161	0.131	1	1.97	0.031	0.08	<0.1	0.02	7.0	<0.1	0.09	6	<0.5	<0.2
2010540	Soil	41	0.81	180	0.128	2	2.62	0.025	0.07	0.1	0.02	6.5	0.1	0.09	8	0.9	<0.2
2010541	Soil	30	0.57	139	0.104	1	1.78	0.023	0.10	<0.1	0.02	4.7	<0.1	0.08	6	0.8	<0.2
2010542	Soil	36	0.61	211	0.106	2	2.14	0.025	0.11	<0.1	0.02	4.5	<0.1	0.10	7	0.7	<0.2
2010543	Soil	41	0.64	212	0.120	1	2.75	0.025	0.10	<0.1	0.02	5.6	0.1	0.08	8	0.7	<0.2
2010544	Soil	53	0.75	306	0.120	1	3.50	0.020	0.08	<0.1	0.02	6.0	0.1	0.06	8	0.6	<0.2
2010545	Soil	126	1.33	106	0.201	2	2.38	0.020	0.03	<0.1	<0.01	5.3	<0.1	0.08	6	0.6	<0.2
2010546	Soil	42	0.80	173	0.157	3	2.59	0.034	0.06	<0.1	0.03	8.5	<0.1	0.08	7	<0.5	<0.2
2010547	Soil	52	0.90	167	0.150	3	2.40	0.035	0.06	0.1	0.03	8.2	<0.1	0.08	7	0.7	<0.2
2010548	Soil	41	0.76	215	0.095	1	2.65	0.025	0.05	<0.1	0.06	7.6	0.1	<0.05	8	1.1	<0.2
2010549	Soil	57	0.84	213	0.125	3	2.10	0.042	0.04	0.1	0.05	9.0	<0.1	<0.05	6	<0.5	<0.2
2010550	Soil	40	0.81	171	0.126	2	2.19	0.031	0.04	<0.1	0.03	7.4	<0.1	<0.05	7	0.5	<0.2
2010551	Soil	17	0.42	245	0.052	2	1.01	0.013	0.10	<0.1	0.02	3.8	<0.1	<0.05	4	1.2	<0.2
2010552	Soil	37	0.76	243	0.117	2	2.02	0.038	0.05	<0.1	0.05	8.2	<0.1	<0.05	6	0.9	<0.2
2010553	Soil	30	0.68	189	0.086	1	2.10	0.019	0.10	<0.1	0.02	5.6	0.1	<0.05	6	<0.5	<0.2



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Page: 12 of 12

Part: 1 of 2

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WHI21000547.1

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
2010554	Soil	0.6	27.4	14.9	45	<0.1	21.0	8.9	407	2.75	10.1	1.2	11.8	28	<0.1	0.5	0.2	59	0.34	0.015	25
2010555	Soil	0.5	32.5	11.6	46	<0.1	26.4	10.9	420	3.06	7.8	1.8	5.9	39	<0.1	0.4	0.2	78	0.53	0.034	12
2010556	Soil	0.7	25.8	12.5	45	<0.1	21.0	8.4	354	2.50	7.6	4.9	5.2	30	<0.1	0.4	0.2	69	0.44	0.028	13
2010557	Soil	0.8	25.8	14.9	53	<0.1	25.9	12.2	424	3.14	9.7	2.0	7.9	28	<0.1	0.4	0.2	74	0.39	0.044	14
2010558	Soil	0.9	28.5	14.6	49	<0.1	27.5	11.2	402	3.04	13.1	1.2	8.0	30	<0.1	0.4	0.2	78	0.40	0.031	16
2010559	Soil	1.0	29.3	15.7	52	<0.1	27.0	12.8	446	3.48	10.2	3.2	8.4	30	<0.1	0.5	0.2	84	0.41	0.031	13
2010560	Soil	1.3	26.1	22.5	62	<0.1	28.6	13.4	431	3.30	9.8	1.4	6.7	24	0.1	0.4	0.2	74	0.32	0.025	13
2010561	Soil	0.4	31.5	7.9	53	<0.1	28.6	9.2	381	2.95	6.7	2.7	4.4	40	<0.1	0.3	0.1	78	0.53	0.037	18
2010562	Soil	1.2	38.1	9.6	56	<0.1	30.7	12.1	482	3.19	9.9	2.2	5.0	40	<0.1	0.5	0.1	84	0.47	0.027	16
2010563	Soil	1.0	41.1	216.3	130	1.4	8.4	3.6	167	2.98	158.3	27.6	9.0	157	<0.1	3.7	0.2	18	0.15	0.030	22
2010564	Soil	1.1	28.2	10.5	43	<0.1	22.4	8.8	284	2.76	8.4	10.1	5.1	30	<0.1	0.4	0.1	80	0.38	0.023	13
2010565	Soil	0.8	30.0	12.4	50	<0.1	26.3	11.4	437	2.83	19.7	8.3	6.4	39	<0.1	0.4	0.1	83	0.52	0.029	18
2010566	Soil	1.1	51.9	44.8	73	<0.1	33.8	18.2	996	3.67	6.6	1.3	11.7	32	<0.1	0.4	0.5	56	0.47	0.031	26
2010567	Soil	0.7	32.5	14.0	56	<0.1	29.0	12.4	544	3.20	7.1	2.3	9.5	33	<0.1	0.4	0.2	74	0.47	0.031	19
2010568	Soil	0.6	36.4	26.8	83	<0.1	38.8	19.9	1070	3.51	9.8	2.9	19.4	24	<0.1	0.4	0.3	29	0.27	0.038	42
2010569	Soil	0.7	40.9	14.9	57	<0.1	30.1	11.3	447	3.22	7.2	3.1	9.0	39	<0.1	0.5	0.2	74	0.52	0.038	21
2010570	Soil	1.0	31.0	13.3	58	<0.1	29.0	13.4	458	3.10	6.2	2.4	9.0	34	<0.1	0.4	0.2	68	0.47	0.040	21
2010571	Soil	1.0	29.9	16.8	53	<0.1	25.3	10.9	450	2.60	6.9	4.0	9.5	29	<0.1	0.5	0.1	59	0.37	0.037	22
2010572	Soil	1.5	33.2	16.3	65	<0.1	29.1	12.6	475	3.04	9.2	7.6	9.0	30	0.2	0.8	0.2	73	0.42	0.041	22
2010573	Soil	0.9	27.7	22.4	58	<0.1	23.7	9.4	448	2.69	10.2	6.5	15.5	33	0.1	0.5	0.2	64	0.47	0.037	36
2010574	Soil	0.7	24.7	14.4	45	<0.1	20.2	9.3	365	2.57	6.1	1.9	8.4	35	<0.1	0.5	0.2	71	0.49	0.031	20
2010601	Soil	0.5	79.2	6.1	51	<0.1	25.9	10.7	302	3.26	6.1	4.3	3.5	39	<0.1	0.4	<0.1	94	0.51	0.019	9
2010602	Soil	0.8	62.5	8.1	47	<0.1	28.7	12.5	359	3.62	9.0	5.3	4.0	38	<0.1	0.5	0.1	100	0.49	0.025	11
2010603	Soil	0.8	82.7	6.5	51	<0.1	28.5	11.4	363	3.26	7.8	4.6	3.4	40	<0.1	0.4	0.1	90	0.49	0.022	11
2010604	Soil	1.0	126.4	7.5	66	<0.1	29.3	16.6	485	4.00	9.7	4.2	4.0	35	<0.1	0.6	0.1	97	0.43	0.025	13
2010605	Soil	0.8	81.9	5.6	45	<0.1	24.4	10.8	305	2.96	7.3	4.8	2.6	27	<0.1	0.4	<0.1	88	0.39	0.019	7
2010606	Soil	0.7	126.8	5.3	54	0.1	32.9	14.0	374	2.80	11.9	4.9	2.3	40	0.1	0.7	<0.1	78	0.94	0.044	8



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Page: 12 of 12

Part: 2 of 2

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		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
		MDL	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
2010554	Soil	29	0.63	181	0.088	<1	1.85	0.018	0.13	<0.1	0.02	7.1	0.1	<0.05	5	0.8	<0.2
2010555	Soil	37	0.75	158	0.123	2	2.01	0.022	0.07	0.1	0.02	7.1	<0.1	<0.05	6	<0.5	<0.2
2010556	Soil	29	0.60	145	0.100	<1	1.73	0.023	0.08	<0.1	0.03	4.4	0.1	<0.05	6	<0.5	<0.2
2010557	Soil	34	0.69	174	0.091	3	2.19	0.017	0.13	0.1	0.02	5.2	0.2	<0.05	7	<0.5	<0.2
2010558	Soil	34	0.66	167	0.098	2	2.20	0.019	0.09	0.1	0.02	6.5	0.2	<0.05	7	0.5	<0.2
2010559	Soil	36	0.73	188	0.092	1	2.47	0.018	0.09	0.1	0.03	5.6	0.2	<0.05	7	<0.5	<0.2
2010560	Soil	29	0.66	132	0.087	<1	2.34	0.015	0.10	<0.1	0.02	4.7	0.1	<0.05	7	<0.5	<0.2
2010561	Soil	36	0.76	151	0.113	2	1.85	0.028	0.05	<0.1	0.02	6.9	<0.1	<0.05	5	<0.5	<0.2
2010562	Soil	43	0.78	169	0.109	2	2.19	0.026	0.04	<0.1	0.03	7.6	<0.1	<0.05	6	0.5	<0.2
2010563	Soil	11	0.16	112	0.023	<1	0.57	0.032	0.17	<0.1	0.14	2.9	0.7	0.32	2	<0.5	<0.2
2010564	Soil	31	0.57	151	0.105	2	1.95	0.026	0.07	<0.1	0.02	5.3	<0.1	<0.05	6	<0.5	<0.2
2010565	Soil	39	0.74	180	0.129	1	1.99	0.025	0.07	0.1	0.02	7.9	<0.1	<0.05	6	0.6	<0.2
2010566	Soil	33	0.81	106	0.081	2	2.03	0.023	0.04	<0.1	0.01	6.1	<0.1	<0.05	6	0.6	<0.2
2010567	Soil	34	0.77	124	0.106	<1	1.91	0.026	0.04	<0.1	0.01	6.3	<0.1	<0.05	6	<0.5	<0.2
2010568	Soil	19	0.35	87	0.033	3	1.03	0.011	0.07	<0.1	0.02	3.8	<0.1	<0.05	3	<0.5	<0.2
2010569	Soil	38	0.63	141	0.111	3	1.81	0.026	0.05	<0.1	0.04	7.9	<0.1	<0.05	5	<0.5	<0.2
2010570	Soil	35	0.63	157	0.109	2	1.78	0.027	0.04	<0.1	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
2010571	Soil	30	0.41	114	0.093	2	1.43	0.022	0.05	<0.1	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
2010572	Soil	33	0.51	130	0.098	2	1.57	0.020	0.04	<0.1	0.03	4.7	<0.1	<0.05	5	0.8	<0.2
2010573	Soil	29	0.47	182	0.086	<1	1.35	0.030	0.06	<0.1	0.04	8.0	<0.1	<0.05	4	<0.5	<0.2
2010574	Soil	33	0.61	118	0.128	<1	1.63	0.030	0.09	<0.1	0.01	5.4	<0.1	<0.05	5	<0.5	<0.2
2010601	Soil	37	0.85	169	0.133	<1	2.18	0.023	0.03	<0.1	0.02	6.8	<0.1	<0.05	7	<0.5	<0.2
2010602	Soil	42	0.80	187	0.138	2	2.50	0.025	0.04	<0.1	0.03	6.8	0.1	<0.05	8	0.7	<0.2
2010603	Soil	39	0.77	175	0.138	3	2.30	0.026	0.04	<0.1	0.03	7.2	<0.1	<0.05	6	0.5	<0.2
2010604	Soil	42	0.85	252	0.138	2	2.86	0.024	0.04	<0.1	0.03	8.6	<0.1	<0.05	8	0.5	<0.2
2010605	Soil	29	0.62	151	0.126	3	2.21	0.019	0.03	<0.1	0.02	4.8	<0.1	<0.05	7	0.5	<0.2
2010606	Soil	37	0.59	219	0.108	2	2.24	0.024	0.05	0.1	0.03	5.2	<0.1	<0.05	6	1.0	<0.2



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Project: Atsutla
Report Date: November 13, 2021

Page: 1 of 2

Part: 1 of 2

QUALITY CONTROL REPORT

WHI21000547.1

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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	0.001	1	
Pulp Duplicates																					
3869252	Soil	1.4	36.9	207.6	34	<0.1	10.6	3.3	115	1.16	78.0	3.6	19.1	13	<0.1	1.0	1.3	30	0.18	0.030	72
REP 3869252	QC	1.6	36.8	211.9	35	<0.1	10.6	3.4	117	1.15	81.5	4.2	22.5	14	<0.1	1.0	1.4	32	0.19	0.028	76
3869288	Soil	0.3	42.1	5.6	50	<0.1	23.9	9.8	236	2.54	5.6	2.8	2.3	33	<0.1	0.3	<0.1	66	0.45	0.039	9
REP 3869288	QC	0.4	43.3	5.7	47	<0.1	25.7	10.9	250	2.79	5.8	3.4	2.6	34	<0.1	0.3	<0.1	67	0.48	0.039	9
3869324	Soil	0.7	43.9	19.8	70	<0.1	36.9	15.9	521	3.95	8.7	3.1	9.7	40	<0.1	0.4	0.2	95	0.54	0.048	32
REP 3869324	QC	0.8	43.6	20.4	70	<0.1	37.2	16.5	514	3.94	8.4	2.6	10.3	40	<0.1	0.4	0.2	95	0.54	0.047	33
3869360	Soil	0.8	29.7	7.5	47	<0.1	30.1	13.2	328	3.30	13.3	3.4	2.9	23	<0.1	0.5	<0.1	85	0.31	0.026	7
REP 3869360	QC	0.8	28.9	7.6	48	<0.1	30.9	14.1	315	3.26	13.4	2.6	3.0	22	<0.1	0.4	<0.1	87	0.31	0.026	7
3869396	Soil	0.8	40.5	13.1	62	0.1	33.7	13.6	447	3.65	9.6	1.9	6.4	47	<0.1	0.4	0.1	91	0.65	0.061	34
REP 3869396	QC	0.9	40.8	13.0	61	0.1	33.9	13.3	464	3.79	9.4	2.5	6.6	46	0.1	0.4	0.1	102	0.66	0.058	34
3869432	Soil	0.6	28.3	7.9	53	<0.1	22.2	9.4	412	2.89	5.6	1.1	4.9	35	<0.1	0.4	<0.1	75	0.52	0.041	16
REP 3869432	QC	0.5	29.7	8.0	55	<0.1	23.2	9.6	428	2.93	5.7	3.1	4.9	34	<0.1	0.4	0.1	74	0.54	0.041	15
3869468	Soil	0.5	26.9	9.7	42	<0.1	23.0	10.2	316	2.69	14.8	2.4	4.8	36	<0.1	0.4	<0.1	70	0.41	0.029	16
REP 3869468	QC	0.6	25.1	9.3	41	<0.1	22.3	9.9	306	2.56	13.5	3.8	4.7	33	<0.1	0.4	<0.1	65	0.40	0.027	16
2010507	Soil	0.8	37.9	15.6	63	<0.1	31.2	13.0	423	3.22	9.6	1.9	6.1	40	<0.1	0.8	0.2	74	0.57	0.061	17
REP 2010507	QC	0.9	39.3	16.2	66	<0.1	31.9	13.3	431	3.34	9.5	3.4	6.3	40	0.1	0.8	0.2	79	0.58	0.062	17
2010543	Soil	1.4	25.7	9.0	60	<0.1	29.5	13.6	358	3.43	10.3	1.8	3.9	29	0.1	0.5	0.1	92	0.30	0.028	9
REP 2010543	QC	1.4	25.4	9.2	59	<0.1	30.1	13.7	366	3.60	10.2	1.9	4.1	29	<0.1	0.6	0.1	94	0.30	0.027	9
2010603	Soil	0.8	82.7	6.5	51	<0.1	28.5	11.4	363	3.26	7.8	4.6	3.4	40	<0.1	0.4	0.1	90	0.49	0.022	11
REP 2010603	QC	0.8	82.1	6.5	54	<0.1	28.2	11.9	367	3.20	7.4	7.5	3.3	39	<0.1	0.4	0.1	95	0.49	0.023	11
Reference Materials																					
STD DS11	Standard	12.7	152.5	140.5	357	1.8	74.9	13.5	908	3.08	46.0	66.3	8.3	68	2.8	10.0	12.5	46	1.08	0.071	17
STD DS11	Standard	13.0	140.7	134.4	317	1.7	72.3	12.7	956	2.84	40.8	60.9	8.3	61	2.1	9.1	11.3	46	1.02	0.064	16
STD DS11	Standard	14.0	145.0	139.0	346	1.7	74.7	13.1	926	3.07	43.6	111.5	8.6	62	2.4	9.2	11.8	45	1.00	0.069	17
STD DS11	Standard	14.3	146.8	143.6	350	1.6	77.3	14.0	948	3.13	46.5	62.5	8.0	66	2.6	10.2	12.6	47	0.99	0.073	18
STD DS11	Standard	15.7	157.5	156.2	355	1.9	87.1	15.8	1074	3.43	49.0	71.0	9.5	69	2.7	9.3	13.4	60	1.14	0.083	22
STD DS11	Standard	13.8	139.4	131.1	325	1.6	76.6	12.9	946	2.96	41.4	79.7	8.4	65	2.3	8.5	10.7	45	1.04	0.065	18
STD DS11	Standard	14.4	152.2	144.4	364	1.7	81.3	14.6	992	3.23	47.1	69.4	9.4	71	2.6	9.8	12.4	55	1.01	0.076	19



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Project: Atsutla
Report Date: November 13, 2021

Page: 1 of 2 Part: 2 of 2

QUALITY CONTROL REPORT

WHI21000547.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																	
3869252	Soil	16	0.22	77	0.033	<1	0.60	0.013	0.16	0.2	0.04	2.7	<0.1	<0.05	2	0.5	<0.2
REP 3869252	QC	17	0.23	82	0.035	<1	0.61	0.013	0.17	0.2	0.05	2.8	<0.1	<0.05	2	<0.5	<0.2
3869288	Soil	34	0.75	146	0.112	1	1.72	0.020	0.04	<0.1	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2
REP 3869288	QC	35	0.76	149	0.117	1	1.86	0.021	0.04	0.1	0.02	5.3	<0.1	<0.05	5	<0.5	<0.2
3869324	Soil	47	0.90	154	0.140	2	2.50	0.028	0.16	<0.1	0.02	10.1	0.2	<0.05	7	<0.5	<0.2
REP 3869324	QC	48	0.90	154	0.141	2	2.53	0.026	0.17	<0.1	0.02	10.6	0.2	0.06	7	<0.5	<0.2
3869360	Soil	35	0.63	173	0.109	<1	2.52	0.016	0.04	0.1	0.04	4.9	0.1	<0.05	7	<0.5	<0.2
REP 3869360	QC	35	0.65	175	0.104	1	2.44	0.016	0.04	0.1	0.05	5.0	0.1	<0.05	7	<0.5	<0.2
3869396	Soil	45	0.79	177	0.147	2	2.53	0.038	0.13	0.1	0.04	9.8	0.2	0.12	7	0.5	<0.2
REP 3869396	QC	46	0.78	176	0.138	1	2.46	0.037	0.13	0.1	0.03	9.4	0.1	0.07	7	0.6	<0.2
3869432	Soil	34	0.60	124	0.105	1	1.56	0.032	0.07	<0.1	0.02	6.9	<0.1	0.08	5	<0.5	<0.2
REP 3869432	QC	35	0.64	128	0.102	1	1.70	0.032	0.08	0.1	0.02	7.0	<0.1	0.08	5	<0.5	<0.2
3869468	Soil	31	0.61	182	0.100	<1	1.82	0.020	0.07	0.1	<0.01	5.0	<0.1	<0.05	5	0.5	<0.2
REP 3869468	QC	28	0.62	182	0.087	1	1.77	0.019	0.06	0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
2010507	Soil	37	0.61	144	0.105	2	1.73	0.037	0.06	<0.1	0.05	5.9	<0.1	<0.05	5	<0.5	<0.2
REP 2010507	QC	38	0.61	150	0.110	1	1.73	0.036	0.06	0.1	0.03	6.3	<0.1	<0.05	5	<0.5	<0.2
2010543	Soil	41	0.64	212	0.120	1	2.75	0.025	0.10	<0.1	0.02	5.6	0.1	0.08	8	0.7	<0.2
REP 2010543	QC	43	0.63	213	0.116	2	2.76	0.024	0.10	<0.1	0.02	5.6	0.1	0.09	8	0.8	<0.2
2010603	Soil	39	0.77	175	0.138	3	2.30	0.026	0.04	<0.1	0.03	7.2	<0.1	<0.05	6	0.5	<0.2
REP 2010603	QC	39	0.76	166	0.130	1	2.14	0.028	0.04	<0.1	0.02	7.6	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																	
STD DS11	Standard	56	0.84	362	0.084	6	1.04	0.072	0.43	3.1	0.25	3.3	4.8	0.39	5	2.5	4.7
STD DS11	Standard	54	0.79	326	0.081	6	1.06	0.069	0.35	3.0	0.28	2.9	4.8	0.24	5	1.9	4.6
STD DS11	Standard	56	0.85	359	0.083	8	1.06	0.063	0.37	2.9	0.28	2.8	4.7	0.24	5	2.2	4.7
STD DS11	Standard	57	0.75	363	0.085	6	1.01	0.068	0.37	3.2	0.26	3.1	5.0	0.27	5	2.3	4.8
STD DS11	Standard	70	0.93	416	0.108	9	1.20	0.084	0.45	3.2	0.26	3.5	5.2	0.32	5	2.4	5.0
STD DS11	Standard	58	0.82	343	0.082	6	1.09	0.070	0.37	3.1	0.24	3.5	5.0	0.29	5	2.3	4.9
STD DS11	Standard	62	0.84	368	0.090	6	1.12	0.076	0.41	3.2	0.25	3.2	5.0	0.29	5	2.6	4.8



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Project: Atsutla
Report Date: November 13, 2021

Page: 2 of 2

Part: 1 of 2

QUALITY CONTROL REPORT

WHI21000547.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD DS11	Standard	14.6	149.1	141.3	342	1.8	80.3	14.1	1053	3.33	43.2	65.7	8.5	66	2.2	8.1	10.9	47	1.04	0.074	19
STD DS11	Standard	16.3	150.2	148.0	336	1.7	84.8	14.6	1118	3.17	43.9	62.9	8.8	69	2.4	8.8	11.7	50	1.10	0.077	20
STD DS11	Standard	14.2	143.5	145.0	373	1.8	74.8	13.9	1046	3.28	44.6	81.9	10.2	73	2.3	9.6	12.8	47	1.08	0.067	21
STD DS11	Standard	16.1	148.5	141.6	352	1.8	80.0	13.7	1011	2.99	44.7	135.8	9.7	65	2.4	9.0	12.0	53	1.09	0.069	18
STD OREAS262	Standard	0.7	112.1	59.4	146	0.5	60.7	26.3	480	3.17	35.6	72.4	9.7	38	0.7	6.6	1.1	22	2.92	0.038	16
STD OREAS262	Standard	0.6	114.4	55.7	150	0.4	59.3	25.1	453	3.08	35.4	69.9	9.3	35	0.6	6.5	0.9	20	2.78	0.037	15
STD OREAS262	Standard	0.7	115.5	61.2	155	0.5	65.7	28.7	538	3.43	39.3	72.7	8.9	38	0.7	6.9	1.1	23	3.00	0.044	15
STD OREAS262	Standard	0.7	120.4	61.6	160	0.5	66.5	29.9	558	3.53	39.4	59.1	11.2	37	0.8	5.4	1.1	23	3.14	0.045	20
STD OREAS262	Standard	0.6	107.6	52.8	145	0.5	61.3	26.3	528	3.26	33.9	73.2	9.5	32	0.7	5.9	1.0	15	3.00	0.036	17
STD OREAS262	Standard	0.6	114.3	57.9	155	0.4	61.9	27.1	480	3.24	36.7	67.9	11.0	36	0.7	6.6	1.1	22	2.81	0.038	16
STD OREAS262	Standard	0.6	114.0	56.1	152	0.4	64.8	28.4	572	3.57	35.0	54.9	9.9	34	0.6	4.6	1.0	16	2.96	0.041	17
STD OREAS262	Standard	0.8	117.7	58.5	148	0.4	67.0	28.6	557	3.27	35.8	67.1	10.2	34	0.6	5.8	1.0	16	3.06	0.041	17
STD OREAS262	Standard	0.7	117.3	58.4	162	0.5	60.6	26.1	536	3.22	36.8	72.0	10.4	37	0.7	6.3	1.1	18	2.93	0.036	17
STD OREAS262	Standard	0.7	118.7	57.4	153	0.5	62.9	26.4	556	3.14	36.6	59.4	10.2	33	0.6	4.4	1.0	20	2.82	0.037	16
STD DS11 Expected		14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701	18.6
STD OREAS262 Expected		0.68	118	56	154	0.45	62	26.9	530	3.284	35.8	65	9.33	36	0.61	5.06	1.03	22.5	2.98	0.04	15.9
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.6	<0.5	<0.1	<1	<0.1	<0.1	<0.1	4	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	0.1	<1	<0.1	<0.1	<0.1	6	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	0.1	<1	<0.1	<0.1	<0.1	4	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	6	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	5	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	0.3	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	0.2	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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

Project: Atsutla
Report Date: November 13, 2021

Page: 2 of 2

Part: 2 of 2

QUALITY CONTROL REPORT

WHI21000547.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
		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
		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	61	0.85	381	0.088	6	1.11	0.075	0.40	3.0	0.26	3.7	4.9	0.32	5	2.2	5.1
STD DS11	Standard	66	0.87	391	0.095	8	1.15	0.082	0.42	2.9	0.25	3.8	4.9	0.35	5	2.7	4.9
STD DS11	Standard	58	0.84	373	0.101	8	1.13	0.072	0.42	3.1	0.27	3.4	4.9	0.29	5	2.7	4.9
STD DS11	Standard	60	0.87	383	0.092	8	1.11	0.076	0.36	3.2	0.24	3.0	4.8	0.29	5	1.6	4.7
STD OREAS262	Standard	40	1.13	252	0.003	4	1.10	0.062	0.31	0.2	0.16	3.2	0.4	0.32	3	0.6	<0.2
STD OREAS262	Standard	39	1.12	234	0.003	2	1.13	0.059	0.26	0.2	0.16	3.2	0.5	0.26	4	1.0	0.3
STD OREAS262	Standard	43	1.16	249	0.003	2	1.14	0.071	0.29	0.3	0.16	3.2	0.5	0.26	4	0.6	0.3
STD OREAS262	Standard	47	1.22	275	0.003	4	1.33	0.067	0.32	0.2	0.17	3.6	0.5	0.26	4	0.7	0.3
STD OREAS262	Standard	42	1.09	234	0.003	3	1.14	0.063	0.27	0.3	0.17	3.5	0.5	0.24	4	0.6	<0.2
STD OREAS262	Standard	41	1.13	240	0.003	2	1.15	0.066	0.29	0.3	0.16	3.2	0.6	0.21	4	<0.5	0.2
STD OREAS262	Standard	44	1.20	251	0.003	4	1.29	0.067	0.31	0.2	0.17	3.6	0.5	0.26	4	0.6	0.2
STD OREAS262	Standard	44	1.15	254	0.003	4	1.25	0.067	0.31	0.2	0.14	3.7	0.4	0.27	4	0.7	0.2
STD OREAS262	Standard	40	1.10	240	0.003	4	1.18	0.059	0.32	0.2	0.15	3.4	0.5	0.28	4	<0.5	0.2
STD OREAS262	Standard	41	1.12	244	0.003	2	1.31	0.067	0.29	0.2	0.17	3.0	0.5	0.23	4	<0.5	0.2
STD DS11 Expected		61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56
STD OREAS262 Expected		41.7	1.17	248	0.0027	4	1.3	0.071	0.312	0.2	0.17	3.24	0.47	0.253	4.1	0.4	0.23
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	0.07	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	0.06	<1	<0.5	<0.2
BLK	Blank	1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	0.06	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

Appendix V: YMEP Final Submission Form

YMEP FINAL SUBMISSION FORM

		Date submitted: Jan 21, 2021													
submit by January 31st to: (winter placer projects may submit at pre-approved date)		YMEP- EMR/ YTG Street address: 102-300 Main Street Mailing address: Box 2703, K-102 Whitehorse, Yt, Y1A 2C6													
		YMEP@gov.yk .ca phone: 867-456-3828 fax: 867-667-3198													
CONTACT INFO		PROJECT INFO													
Name:	Druid Exploration Inc.	YMEP no:	21-046												
Address:	Box 1485	Project name:	Golden Crux												
	Dawson City, YT Y0B 1G0	Project type:	Hardrock												
email	danferraro@hotmail.com	Project module:	Focused regional												
Phone:	807-708-7445														
Is the final report enclosed? <table style="display: inline-table; margin-left: 20px;"> <tr> <td style="border: 1px solid black; width: 20px; text-align: center;">4</td> <td style="padding: 0 5px;">yes</td> <td style="border: 1px solid black; width: 20px; text-align: center;"> </td> <td style="padding: 0 5px;">hard copy</td> </tr> <tr> <td style="border: 1px solid black; width: 20px; text-align: center;"> </td> <td style="padding: 0 5px;">no</td> <td style="border: 1px solid black; width: 20px; text-align: center;">4</td> <td style="padding: 0 5px;">pdf copy</td> </tr> <tr> <td style="border: 1px solid black; width: 20px; text-align: center;"> </td> <td></td> <td style="border: 1px solid black; width: 20px; text-align: center;">4</td> <td style="padding: 0 5px;">digital spreadsheet of station location data</td> </tr> </table>				4	yes		hard copy		no	4	pdf copy			4	digital spreadsheet of station location data
4	yes		hard copy												
	no	4	pdf copy												
		4	digital spreadsheet of station location data												
Comment:															
PROJECT SUMMARY															
Total project expenditures:	35,698.47														
Number of new claims since March 31st:	0														
Has an option resulted since March 31?	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> in negotiation												
Number of calendar field days:	6														
Number of person-days of employment:	20 paid _____ days of unpaid work														
Total no. of samples:	4 rocks	silts 327	soils _____ other												
Total length/volume of trenching/ shafting:	_____														
Total number of line-km of geophysics	_____														
Total meters drilled	_____ diamond drill	_____ RC drill	_____ auger/percussion drill												
Other products (provide details):															
<i>This is not an expense claim form. To request reimbursement of expenses, please submit a separate detailed expense claim form.</i>															
FINANCIAL SUMMARY															
Total daily field allowance	1800	Total contractor costs	_____												
Total field air transportation costs (helicopter/plane)	14983.46	Total excavating/ heavy equipment costs	_____												
Total truck/ mileage costs	_____	Total assay/analyses costs	7211.89												
Total wages paid	9400	Total reclamation costs	_____												
Total light equipment rental costs	180	Total report writing cost	2000												
Other (please specify)	sample shipping - 123.12	Total staking costs	_____												
Other (please specify)	_____														

YMEP FINAL SUBMISSION FORM

Your feedback on any aspect of the program:

Program went as planned. Soil sample quality was very good. Although some prospective results, assays do not warrant staking this area at this time.

Druid Exploration would like to thank YMEP for supporting this project and others like it. Without government funding, concepts such as this – projects in remote locations with little supporting data – would be far less likely to be realized.

The Department of Energy, Mines and Resources may verify all statements related to and made on this form, in any previously submitted reports, interim claims and in the Summary or Technical Report which accompanies it.

I certify that;

1. I am the person, or the representative of the company or partnership, named in the Application for Funding and in the Contribution Agreement under the Yukon Mining Incentives Program.
2. I am a person who is nineteen years of age or older, and I have complied with all the requirements of the said program.
3. I hereby apply for the final payment of a contribution under the Yukon Mineral Exploration Program (YMEP) and declare the information contained within the Summary or Technical Report and this form to be true and accurate.

Date Jan 18, 2021

Signature of Applicant Daniel Ferraro
Digitally signed by Daniel Ferraro
DN: cn=Daniel Ferraro, o, ou,
email=ferraroconsulting@gmail.com, c=CA
Date: 2022.01.18 15:04:34 -07'00'

Name (print) Dan Ferraro