

**BC Geological Survey
Assessment Report
37709**



TYPE OF REPORT [type of survey(s)]: SOIL SAMPLING

TOTAL COST: \$29673.20

AUTHOR(S): BEN ROZEK, DAVE ROZEK, ANDREW DAVIS SIGNATURE(S): _____

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MAY 29 - JUNE 6, 2018 YEAR OF WORK: 2018

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): _____

PROPERTY NAME: KEATON

CLAIM NAME(S) (on which the work was done): KEATON

COMMODITIES SOUGHT: GOLD/SILVER

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: _____

MINING DIVISION: OMINECA NTS/BCGS: 093F027

LATITUDE: 54 ° 12 ' 35 " LONGITUDE: 124 ° 46 ' 33 " (at centre of work)

OWNER(S):
1) BEN ROZEK 2) REBEKAH ANTKOW

MAILING ADDRESS:
Ben Rozek, 976 Ryder Dr., Kelowna, BC, Canada, V1Y 7T5 Rebekah Rozek, 123-4035 22 Ave,
Prince George, BC, Canada, V2N 4Y9

OPERATOR(S) [who paid for the work]:
1) BEN ROZEK 2) REBEKAH ANTKOW

MAILING ADDRESS:
Ben Rozek, 976 Ryder Dr., Kelowna, BC, Canada, V1Y 7T5 Rebekah Rozek, 123-4035 22 Ave,
Prince George, BC, Canada, V2N 4Y9

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Jurassic, Hazelton Group, Rhyolites, Volcanics, Volcanoclastics, Tuffs, Nechako Uplift, Gold,
Blackwater, Blackwater-Davidson, Tataluk, Intermontane Belt

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 2014 Soil Sample Program of the Keaton Claim

| TYPE OF WORK IN THIS REPORT | EXTENT OF WORK (IN METRIC UNITS) | ON WHICH CLAIMS | PROJECT COSTS APPORTIONED (incl. support) |
|---|----------------------------------|-----------------|---|
| GEOLOGICAL (scale, area) | | | |
| Ground, mapping | _____ | | |
| Photo interpretation | _____ | | |
| GEOPHYSICAL (line-kilometres) | | | |
| Ground | | | |
| Magnetic | _____ | | |
| Electromagnetic | _____ | | |
| Induced Polarization | _____ | | |
| Radiometric | _____ | | |
| Seismic | _____ | | |
| Other | _____ | | |
| Airborne | | | |
| GEOCHEMICAL (number of samples analysed for...) | | | |
| Soil 34.1 HA | | KEATON | \$29673.20 |
| Silt | _____ | | |
| Rock | _____ | | |
| Other | _____ | | |
| DRILLING (total metres; number of holes, size) | | | |
| Core | _____ | | |
| Non-core | _____ | | |
| RELATED TECHNICAL | | | |
| Sampling/assaying | _____ | | |
| Petrographic | _____ | | |
| Mineralographic | _____ | | |
| Metallurgic | _____ | | |
| PROSPECTING (scale, area) | | | |
| PREPARATORY / PHYSICAL | | | |
| Line/grid (kilometres) | _____ | | |
| Topographic/Photogrammetric (scale, area) | _____ | | |
| Legal surveys (scale, area) | _____ | | |
| Road, local access (kilometres)/trail | _____ | | |
| Trench (metres) | _____ | | |
| Underground dev. (metres) | _____ | | |
| Other | _____ | | |
| | | TOTAL COST: | \$29673.20 |

**2018 SOIL SAMPLING OF THE KEATON CLAIM
ASSESSMENT REPORT**

TENURE NUMBER: 637204
MINING DIVISION: OMINECA
LOCATION (CENTRE OF WORK): 54° 12' 35" N: 124° 46' 33" WEST
NTS/BCGS MAP SHEET: 093F027

OWNERS: BEN ROZEK, REBEKAH ROZEK
OPERATED BY: BEN ROZEK, REBEKAH ROZEK
REPORT AUTHOURS: ANDREW DAVIS, DAVE ROZEK, BEN ROZEK
DATE: OCTOBER 24, 2018

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1.0 SUMMARY

This report documents the results of a 2018 soil sampling program conducted from May 29, 2018 to June 6, 2018 on parts of the Keaton Claim. The Keaton Claim is owned (50%) by Ben Jason Rozek and (50%) by Rebekah Joanne Antkow.

The Keaton Claim covers an area of 415 ha and is located within the Fawnie Range of the Nechako Plateau and is associated with the Blackwater-Davidson group of claims.

Underlying geology in this area is primarily volcanic flows and tuffs, siltstones, and argillite, belonging to the Hazelton and Ootsa Lake Groups, with phyllic to potassic alteration. Sulfide mineralization is typically disseminated and fracture controlled.

The 2018 soil sampling program was undertaken to test gold and silver concentrations in soil over parts of three areas within the Keaton Claim, referred to in this report as the West Grid, the SE Grid and the NE Grid. In total, 351 soil samples were collected over the work period. Samples were analyzed by Bureau Veritas Mineral Laboratories in Vancouver, BC.

Localized occurrences of gold in soil and silver in soil elevated above background levels were found on all three grids. Best results were achieved on the West and SE Grids.

44 of the 351 samples tested above 4 ppb for gold. 7 of these were between 10 ppb and 20 ppb, 6 were between 20 ppb and 50 ppb and 2 were over 50 ppb. The highest result was 88.8 ppb. Background values were typically between 1 ppb and 3 ppb.

119 of the 351 samples tested at or above 0.1 ppm for silver. 76 samples tested at 0.1 ppm, 33 samples tested at 0.2 ppm, 9 samples tested at 0.3 ppm and 1 sample tested at 0.4 ppm.

2.0 PROPERTY LOCATION AND DESCRIPTION

2.1 GENERAL

The Keaton claim is part of the Blackwater-Davidson group of claims of the Nechako Plateau Region of central British Columbia and is within the Omineca Mining Division. The property is located approximately 150 km S-SE of Vanderhoof, BC.

2.2 ACCESS

Access to the claim is from Vanderhoof, BC, by way of the Kluskus-Ootsa Forest Service Road. At KM 125 of the Kluskus-Ootsa FSR, turn left onto the Kluskus-Meniere Forest Service Road. Proceed 300 m and turn left at the Y. Follow the FSR for 13.5 km to the DA 1400 Road. At this point, a junction is marked by a large stone Inukshuk. Turn right onto DA 1400 and proceed. After 3 km is the last point for trailers to turn around. An ATV accessible trail continues, past a washed out road and provides access to the central part of the claim.

2.3 DESCRIPTION

The Keaton claim is situated within the Nechako Plateau and contains broad and gently undulating topography underlain by extensive overburden material, primarily glacially-derived till and related fluvial sediments. A network of small streams drain the area and typically flow E-NE through localized, low-lying marshy areas. The area is typically forested with occasional swampy areas. Cut-blocks and quad-trails provide access to parts of the claim, but much of it remains closed to vehicles. Forested areas and cut-blocks are dense with blown down trees and are difficult to traverse. The south and western sides of the claim can only be reached by foot.

2.4 EXPLORATION HISTORY

Interest in the area was sparked by the results of a regional silt sampling program conducted in 1973 that returned anomalous lead, zinc and silver values in stream sediment samples. Follow-up geophysical and geochemical surveys led to drilling on the nearby Dave Claim and on the nearby Pem claim.

Since 1992, extensive diamond drilling programs resulted in the Blackwater Project undertaken by New Gold. New Gold is currently in the permitting stage of mine development for their holdings in the area.

The New Gold Blackwater project is estimated to hold 8.2 million ounces of gold and 60.8 million ounces of silver. The Keaton claim lies to the NE and borders the Blackwater Project on three sides. It is the closest claim to the pit site of the projected mine and is one of the only adjacent claims that is still held by private individuals. A soil sampling program in 2014 tested 204 samples and found elevated gold in soil concentrations compared to background in locations to the NW and adjacent to south-central areas of the Blackwater Project.

3.0 PROPERTY GEOLOGY

The Blackwater-Davidson group of claims are within the Stikine terrace of the Intermontane Belt. These claims are also within a region known as the Nechako Uplift, which is bordered to the north by the Tatalkuz Fault and to the south by the Blackwater Fault. In this region, volcanic and sedimentary rocks of the regionally extensive Lower to Middle Jurassic Hazelton Group have been uplifted though younger cover. Bedrock geology of the Keaton Claim and surrounding area is presented in Figure 1.1.

This area is characterized by Jurassic Hazelton Group and Ootsa Lake Group volcanics, intrusions, and locally intensive extensional faulting. Bedrock is typically covered beneath forest and glacial till.

Holes drilled on neighbouring claims encountered stratified packages of andesitic to basaltic volcanic flows, intermediate to felsic volcanoclastics, tuffs and related sedimentary rocks generally displaying weak to moderate pervasive and vein-controlled carbonate-hematite-chlorite-epidote quartz alteration.

4.0 SAMPLING PROGRAM

4.1 SAMPLE COLLECTION

The 2018 soil sampling program targeted three areas of the Keaton Claim: the West Grid, SE Grid, and NE Grid. In total 351 soil samples were collected and tested. 6 of the 351 samples were void/rejected/inconclusive from laboratory analysis.

Sample spacing was typically at 25 m intervals along grid lines 50 m apart. Approximately 8 km of grid lines were established. The combined area of the 3 grids is 34.1 hectares.

Samples were labelled according to the last 4 digits of sample UTM Zone 10N coordinates. For example, the sample located at 382400E 5897500N is labelled as "2400-7500".

All samples tested the 'B' horizon soil in till, below the humus and root systems. Sample depths ranged from 0.15 m to 0.40 m below ground surface.

Table 4.11 below provides the UTM Zone 10N coordinates for the 3 grids.

Table 4.1: UTM Zone 10N Coordinates of Sample Grids

| GRID | SW Corner | NW Corner | NE Corner | SE Corner |
|-------------|-----------------------|-----------------------|-------------------------|-----------------------|
| WEST | 380000 E 5896925 N | 380000 E 5897500 N | 380252.5 E 5897500 N | 380252 E 5896925 N |
| SE | 381975 E 5896650 N | 381975 E 5896900 N | 382650 E 5896900 N | 382650 E 5896650 N |
| NE | 382400 E 5897500 N | 382400 E 5897650 N | 382775 E 5897650 N | 382775 E 5897500 N |

WEST GRID

The West Grid was established to test soil along what is believed to be a fault line that starts near the corner of the New Gold Blackwater mine site and appears to extend into the Keaton Claim. 129 samples were collected and tested along 6 N-S grid lines, each approximately 650 m long, spaced 50 m apart. The total area of the West Grid is 13.4 hectares.

SE GRID

The SE Grid was established to test a magnetic anomaly observed on a Magnetometer Survey Map created by Geosciences BC-TREK (See Appendix III of this report). 163 samples were collected and tested along 6 E-W grid lines, each approximately 700 m long, spaced 50 m apart. The total area of the SE Grid is 15.9 hectares.

NE GRID

The NE Grid was established to further delineate elevated levels of gold and silver in soil results compared to background that were observed in the 2014 sampling program. 54 samples were collected and tested along 4 E-W grid lines, each approximately 350 m long, spaced 50 m apart. The total area of the NE Grid is 4.8 hectares.

4.2 SAMPLE ANALYSIS

Samples were shipped in paper soil sample bags to the Bureau Veritas Commodities Canada Laboratories in Vancouver, BC for analysis. Samples were dried at 60 C and sieved with an 80-mesh screen. Samples spits of 0.5 grams were submitted to aqua regia digestion then analyzed by 36-element ICP (Inductively Coupled Plasma), to detect mineral concentrations to ppm and ppb concentrations.

Certificates of Analysis are presented in Appendix I of this report.

4.3 QUALITY CONTROL

Quality Control performed consisted of:

1. Duplicate testing of 6 samples
2. Testing reference soil of known mineral content
3. Sample blanks

Quality control operations did not discover any abnormalities in the testing process. The Quality Control Report is presented in Appendix II of this report.

5.0 RESULTS

Localized occurrences of gold in soil and silver in soil elevated above background levels were found on all three grids. Best results were achieved on the West and SE Grids.

5.1 GOLD IN SOIL

Background values for gold in soil were between 1 ppb and 3 ppb.

- 44 of the 346 samples tested above 4 ppb for gold in soil
- 7 samples tested between 10 ppb and 20 ppb for gold in soil
- 6 samples tested between 20 ppb and 50 ppb for gold in soil
- 2 samples tested over 50 ppb for gold in soil
- The highest result was 88.8 ppb for gold in soil

5.2 SILVER IN SOIL

Background values for silver in soil was <0.1 ppm.

- 76 of the 346 samples tested at 0.1 ppm for silver in soil

- 33 samples tested at 0.2 ppm for silver in soil
- 9 samples tested at 0.3 ppm for silver in soil
- 1 sample tested at 0.4 ppm for silver in soil

See Figures AU-1, AU-2, AU-3, AG-1, AG-2, AG-3 for sample locations and results.

6.0 RECOMMENDATIONS

Further soil sampling over unexplored areas of the claim is recommended, including extending the West and SE Grids to further delineate anomalous elevated values of gold and silver in soil compared to background values. Magnetic and electromagnetic geophysical surveys are also recommended to further delineate gold and silver in soil anomalies and identify structure and mineral alteration associated with these zones.

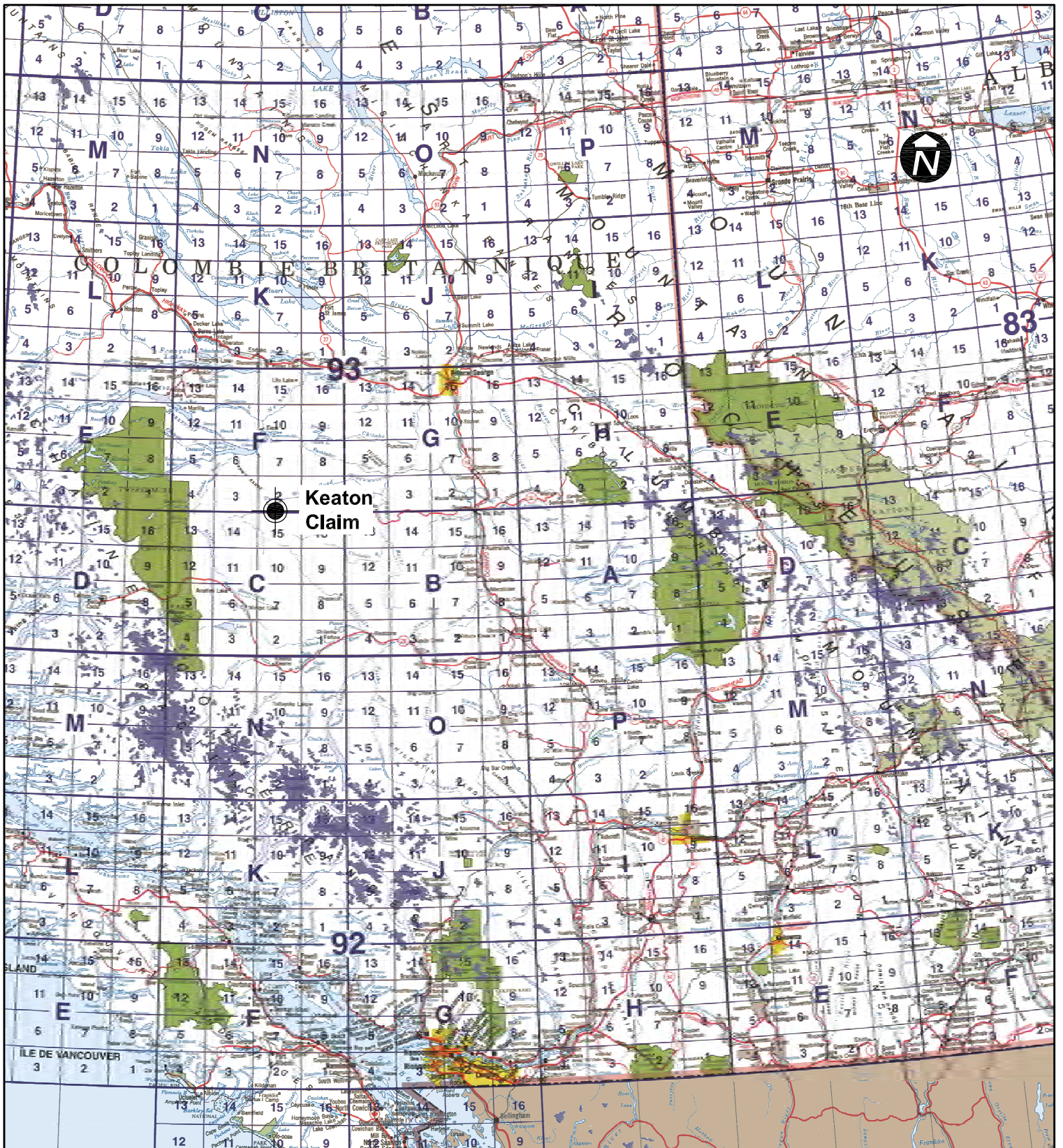
7.0 REFERENCES

Davis, Andrew (2007): Blackwater-Davidson Mountain Dave Claim 2007 Assessment Report.

Diakow, L.J., Webster, I.C.L., Richards, T.T., and Tipper, H.W. (1997) Geology of the Fawnie and Nechako Ranges, Southern Nechako Plateau, Central British Columbia (93F/2,3,6,7)

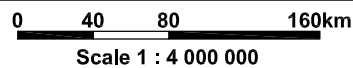
Geosciences BC-TREK Project Magnetometer Map.

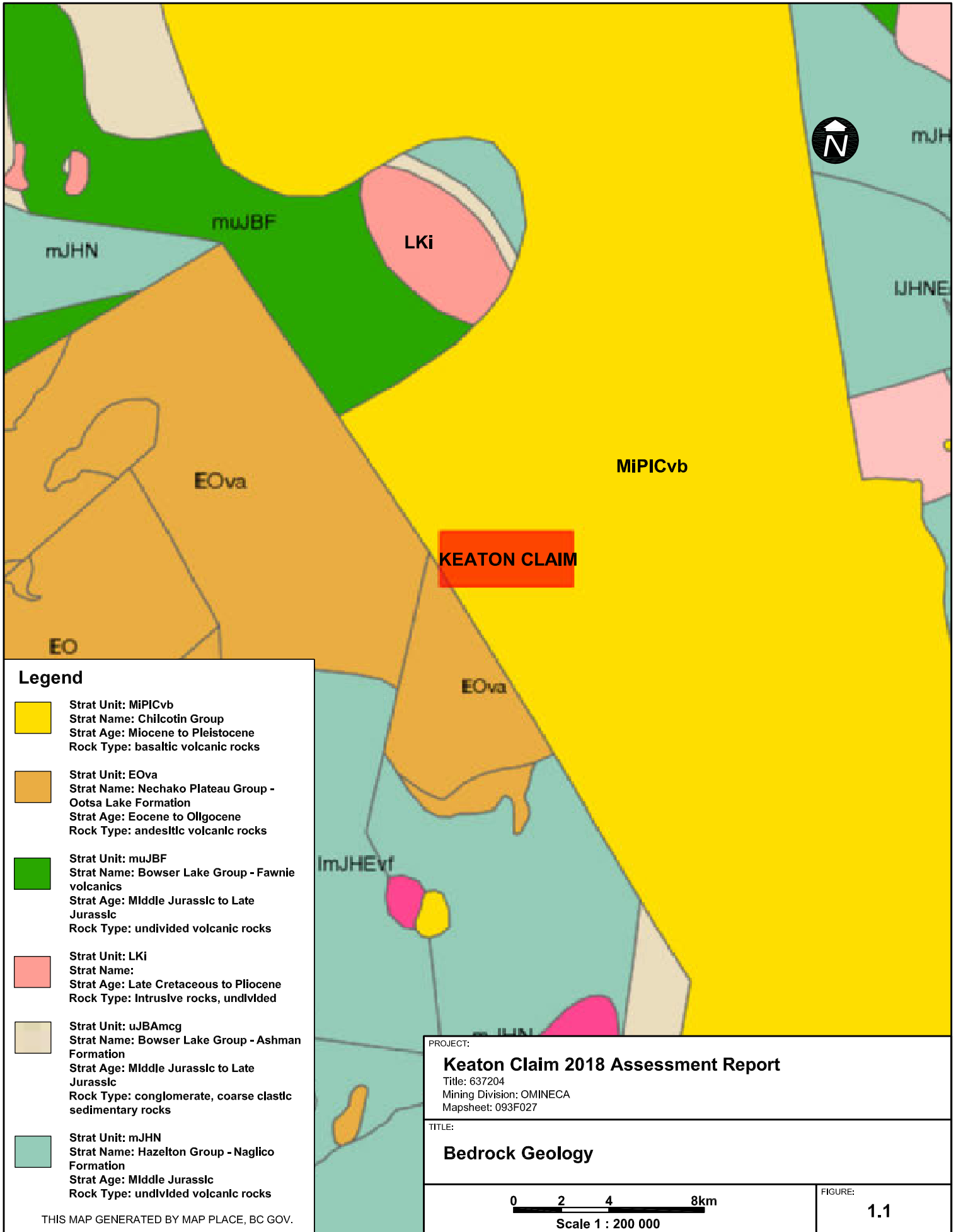
http://www.geosciencesbc.com/i/project_data/GBCReport2014-05/Maps_by_GBC/TREK-3-Blackwater_RMI.pdf



PROJECT:
Keaton Claim 2018 Assessment Report
 Title: 637204
 Mining Division: OMINECA
 Mapsheet: 093F027

TITLE:
Site Location Map





Legend

- Strat Unit: MiPICvb
 Strat Name: Chilcotin Group
 Strat Age: Miocene to Pleistocene
 Rock Type: basaltic volcanic rocks

- Strat Unit: EOva
 Strat Name: Nechako Plateau Group - Ootsa Lake Formation
 Strat Age: Eocene to Oligocene
 Rock Type: andesitic volcanic rocks

- Strat Unit: muJBF
 Strat Name: Bowser Lake Group - Fawnie volcanics
 Strat Age: Middle Jurassic to Late Jurassic
 Rock Type: undivided volcanic rocks

- Strat Unit: LKi
 Strat Name:
 Strat Age: Late Cretaceous to Pliocene
 Rock Type: Intrusive rocks, undivided

- Strat Unit: uJBAmcg
 Strat Name: Bowser Lake Group - Ashman Formation
 Strat Age: Middle Jurassic to Late Jurassic
 Rock Type: conglomerate, coarse clastic sedimentary rocks

- Strat Unit: mJHN
 Strat Name: Hazelton Group - Naglico Formation
 Strat Age: Middle Jurassic
 Rock Type: undivided volcanic rocks

THIS MAP GENERATED BY MAP PLACE, BC GOV.

PROJECT:
Keaton Claim 2018 Assessment Report
 Title: 637204
 Mining Division: OMINECA
 Mapsheet: 093F027

TITLE:
Bedrock Geology

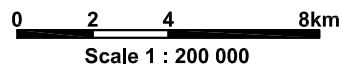
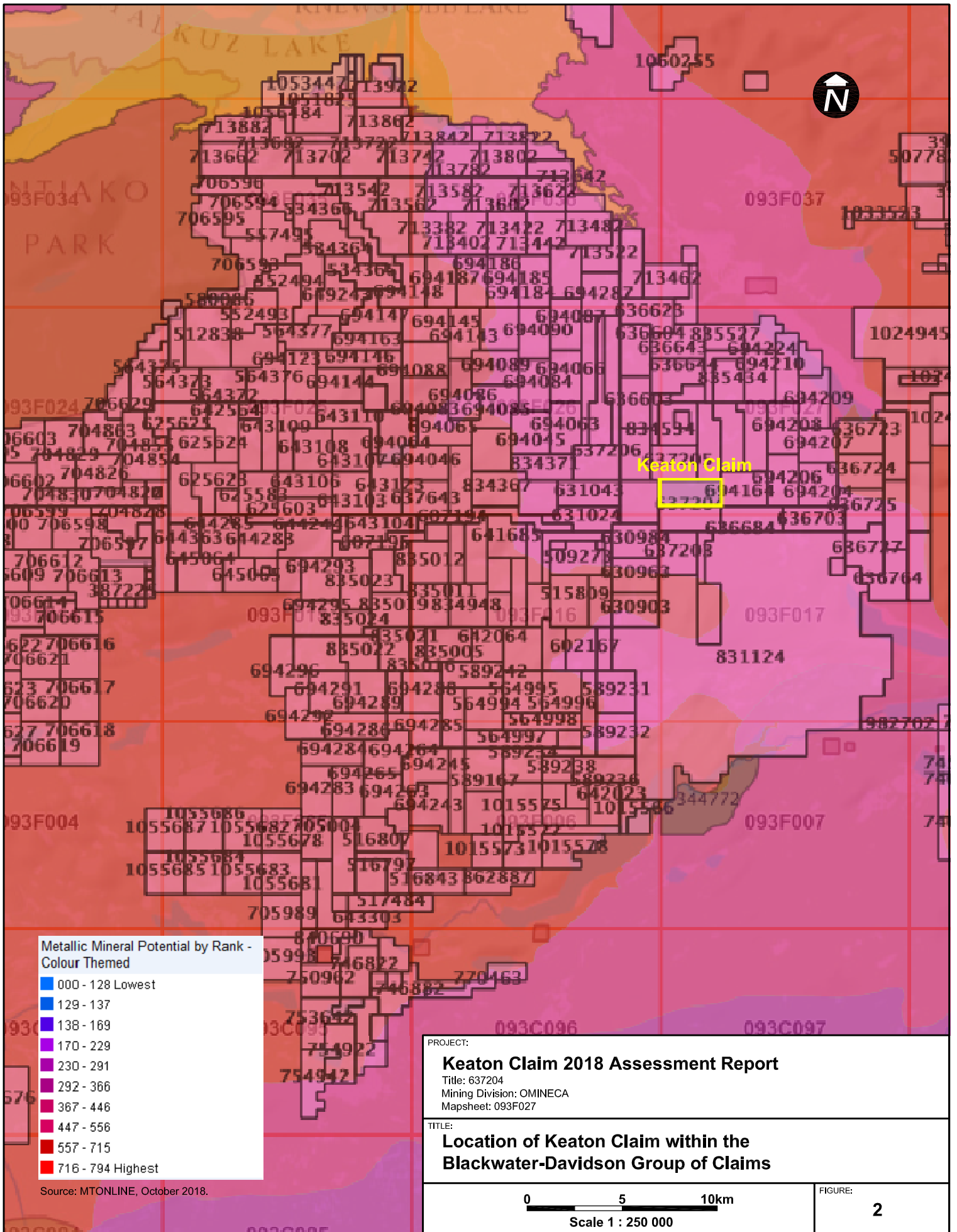
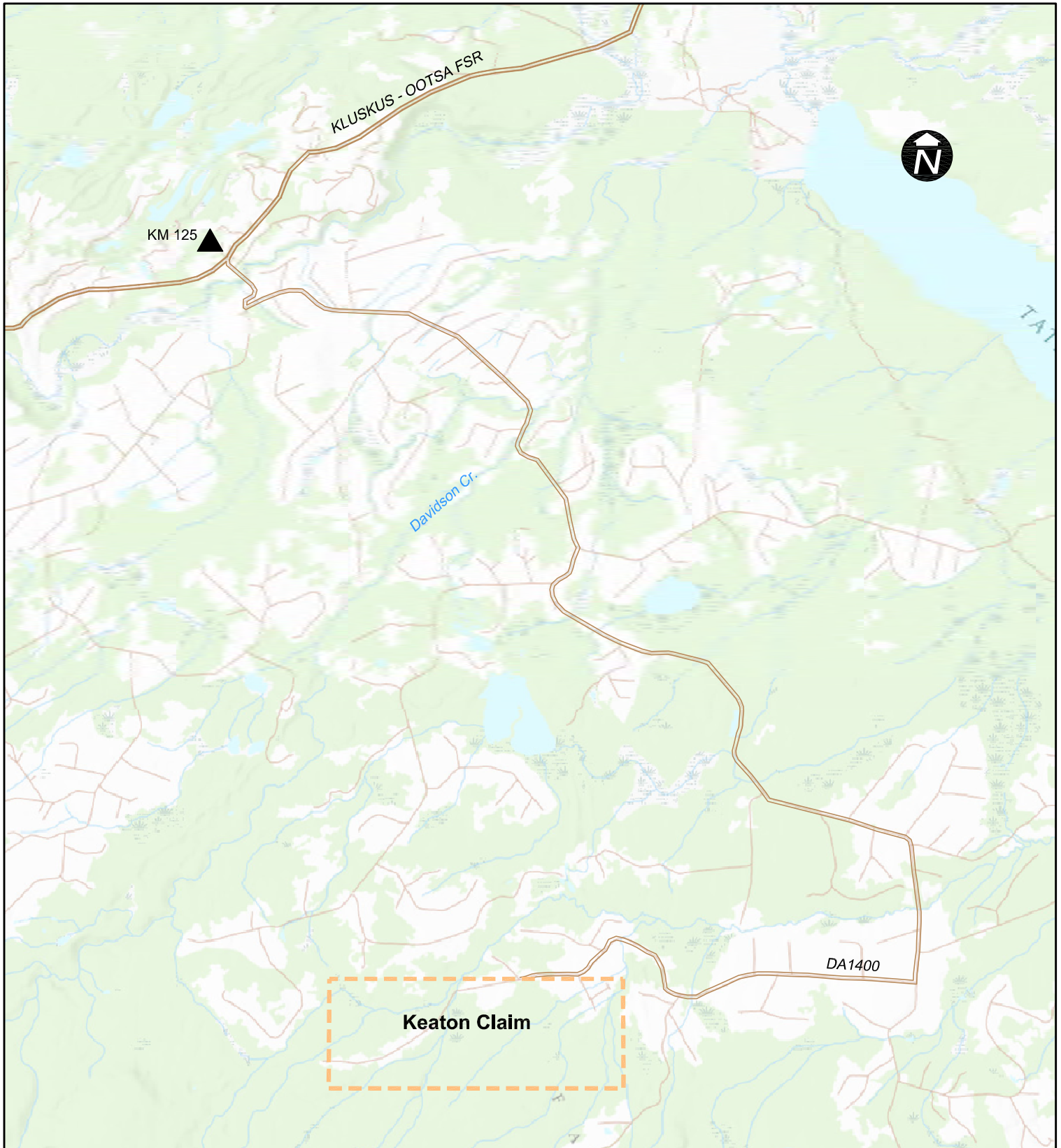


FIGURE:
1.1





KM 125 ▲

KLUSKUS - OOTSA FSR



Davidson Cr.

DA1400

Keaton Claim

PROJECT:

Keaton Claim 2018 Assessment Report

Title: 637204

Mining Division: OMINECA

Mapsheet: 093F027

TITLE:

Access Map

DIRECTIONS

- AT KLUSKUS-OOTSA FSR KM 125, TURN LEFT ONTO KLUSKUS-MENIERE FSR
- TAKE A LEFT AT FIRST Y APPROX 300m AFTER JUNCTION
- FOLLOW ROAD FOR 13.5 KM
- MAKE RIGHT TURN ONTO DA1400

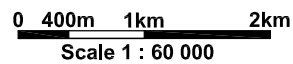
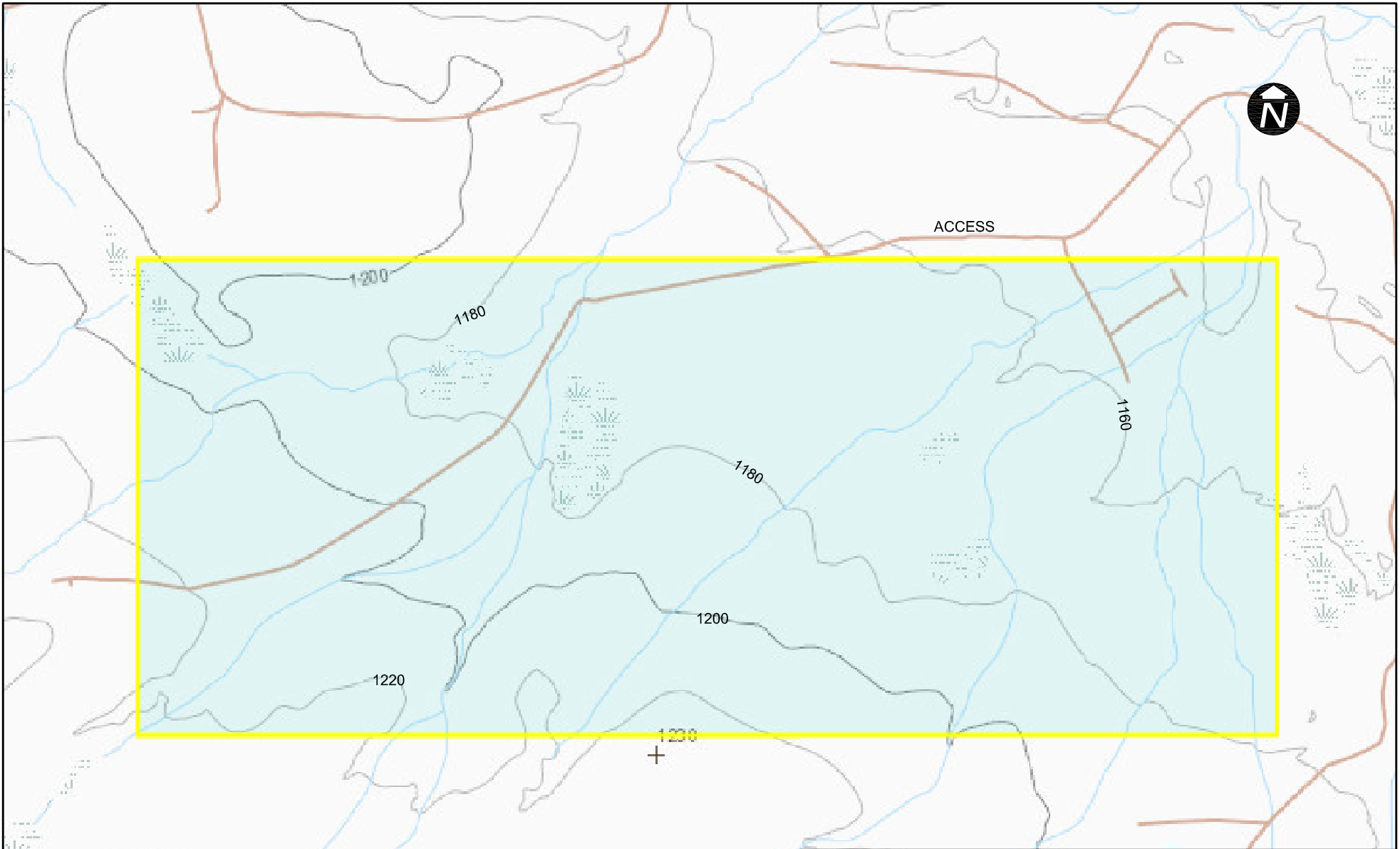


FIGURE:

3



PROJECT:
Keaton Claim 2018 Assessment Report
Title: 637204
Mining Division: OMINECA
Mapsheet: 093F027

TITLE:
Topography of the Keaton Claim

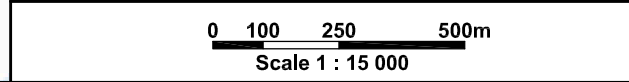
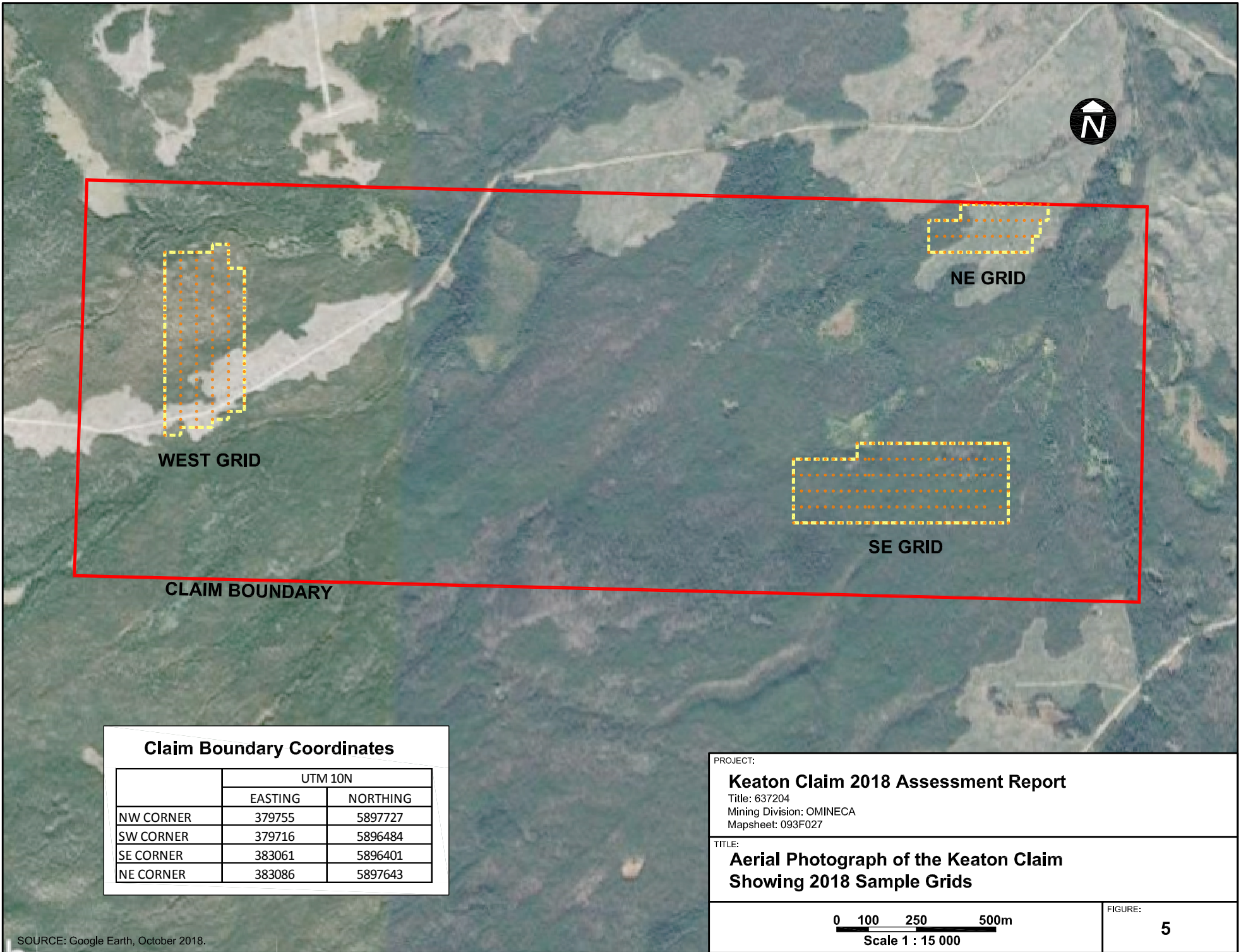


FIGURE:
4



WEST GRID

NE GRID

SE GRID

CLAIM BOUNDARY

Claim Boundary Coordinates

| | UTM 10N | |
|-----------|---------|----------|
| | EASTING | NORTHING |
| NW CORNER | 379755 | 5897727 |
| SW CORNER | 379716 | 5896484 |
| SE CORNER | 383061 | 5896401 |
| NE CORNER | 383086 | 5897643 |

PROJECT:
Keaton Claim 2018 Assessment Report
 Title: 637204
 Mining Division: OMINECA
 Mapsheet: 093F027

TITLE:
**Aerial Photograph of the Keaton Claim
 Showing 2018 Sample Grids**

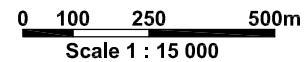
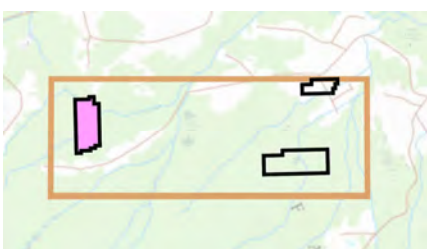
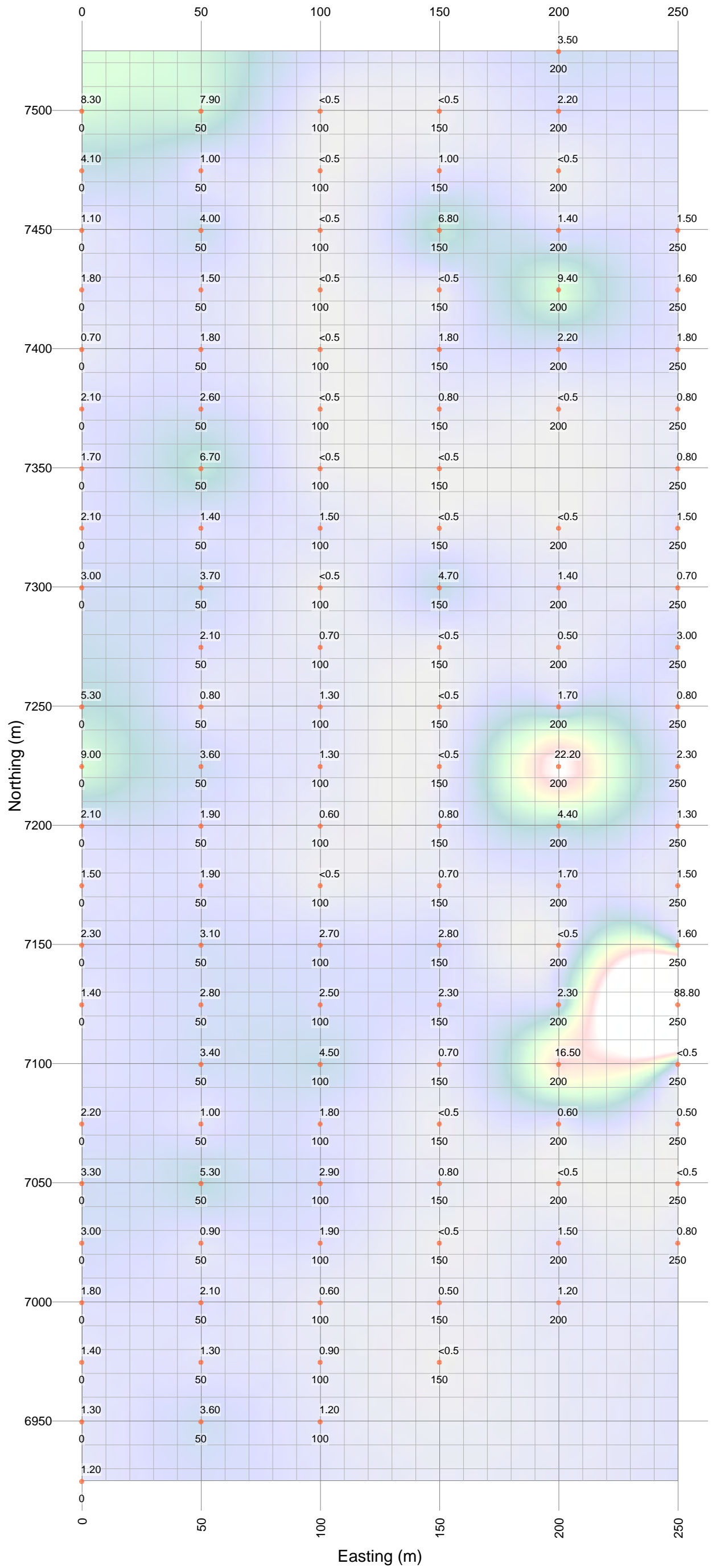


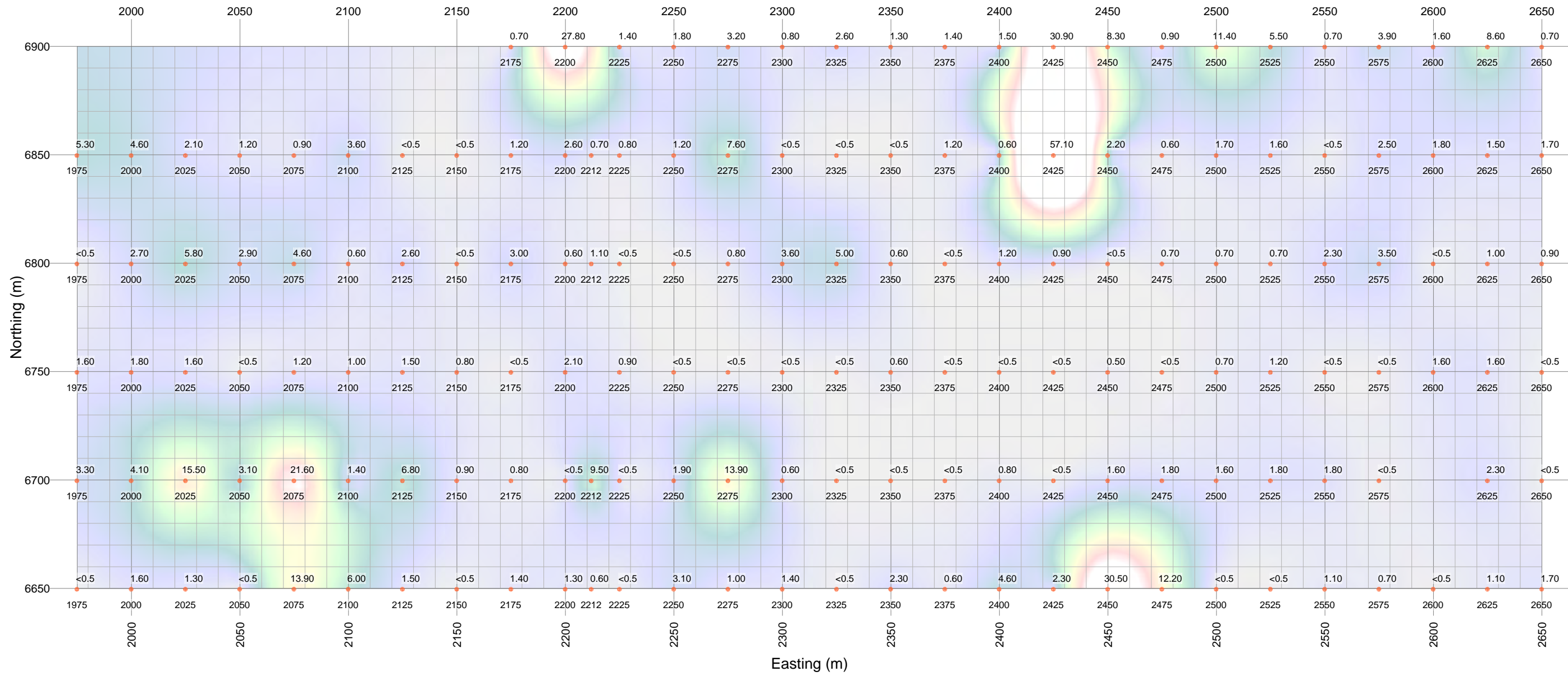
FIGURE:
5



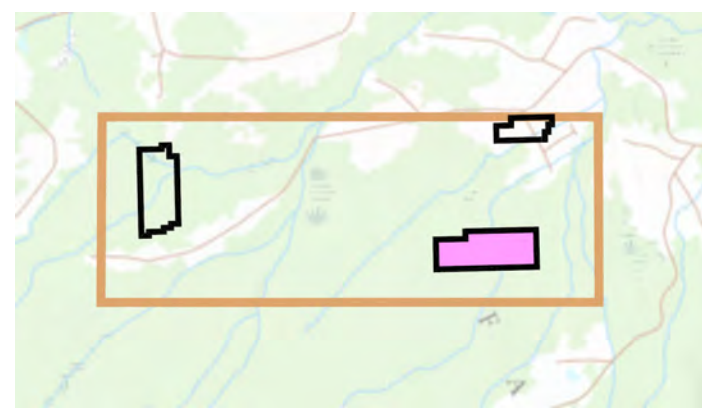
NOTES:

- Grid coordinates are UTM Zone 10N:
 UTM Northing = Grid Northing + 5890000
 UTM Easting = Grid Easting + 380000
- Full Sample Label is "4-Digit Easting - 4 Digit Northing"
 e.g. Sample at 2400E, 7500N is "2400-7500"

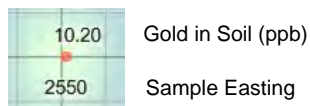
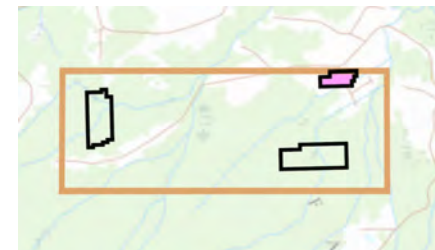
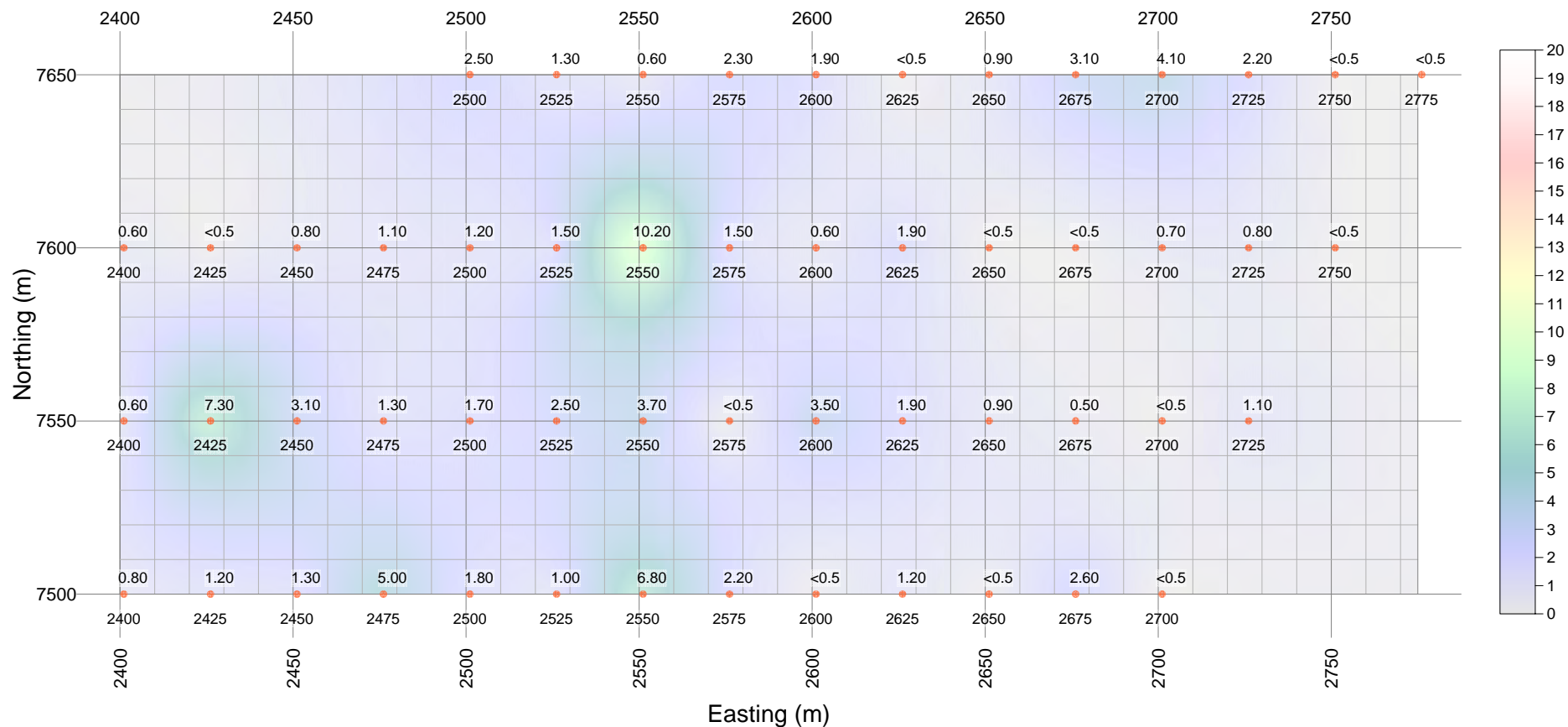
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|---|------------------------|
| PROJECT: Keaton Claim 2018 Assessment Report Title: 637204 Mining Division: OMINECA | |
| TITLE: West GRID - Gold in Soil (ppb) | FIGURE: AU-1 |



NOTES:
 1. Grid coordinates are UTM Zone 10N:
 UTM Northing = Grid Northing + 5890000
 UTM Easting = Grid Easting + 380000
 2. Full Sample Label is "4-Digit Easting - 4 Digit Northing"
 e.g. Sample at 2400E, 7500N is "2400-7500"



| | |
|---|------------------------|
| PROJECT: Keaton Claim 2018 Assessment Report Title: 637204 Mining Division: OMINECA | |
| TITLE: SE GRID - Gold in Soil (ppb) | FIGURE: AU-2 |



NOTES:

- Grid coordinates are UTM Zone 10N:
 UTM Northing = Grid Northing + 5890000
 UTM Easting = Grid Easting + 380000
- Full Sample Label is "4-Digit Easting - 4 Digit Northing"
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PROJECT:

Keaton Claim 2018 Assessment Report

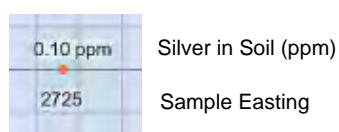
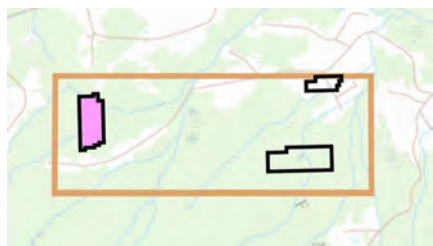
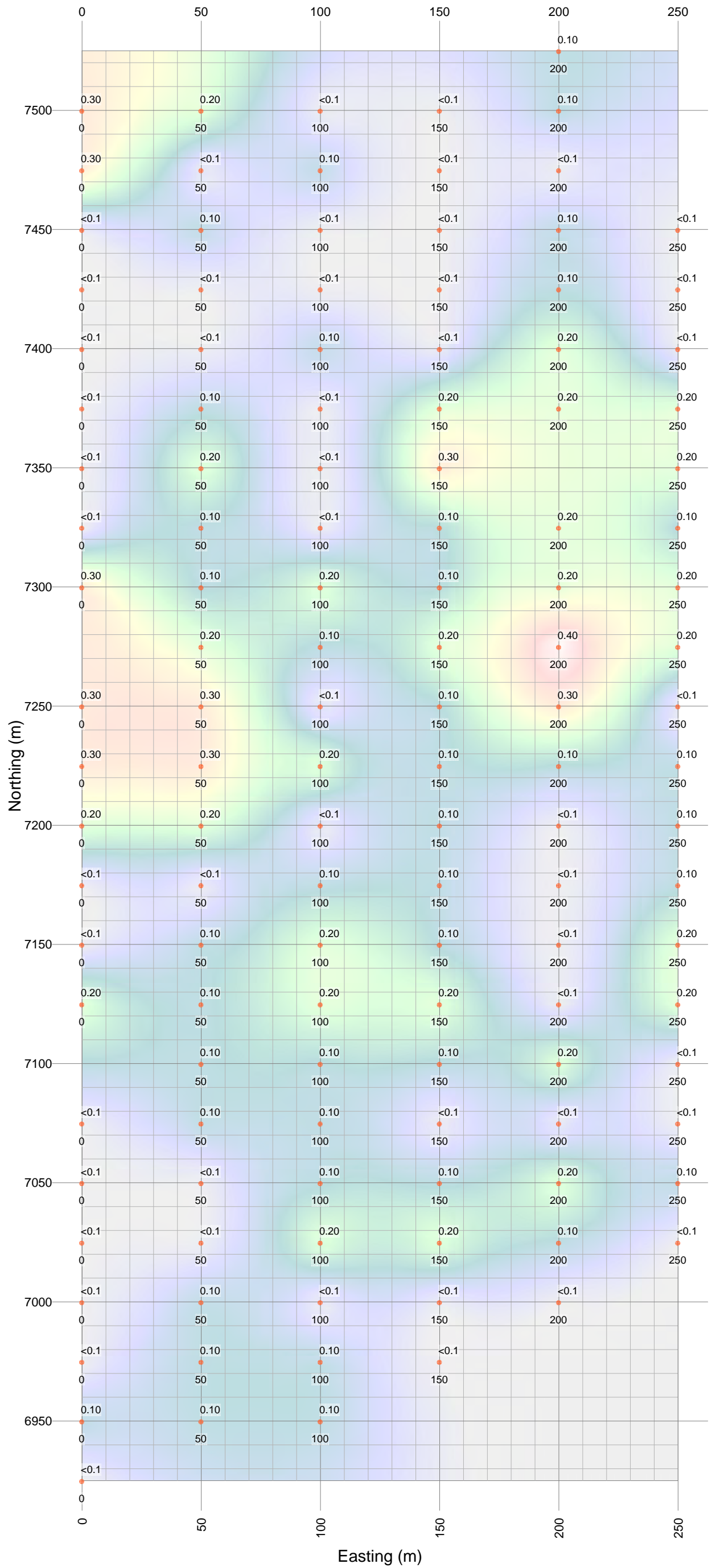
Title: 637204
 Mining Division: OMINECA

TITLE:

NE GRID - Gold in Soil (ppb)

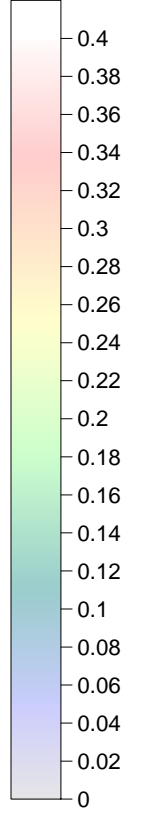
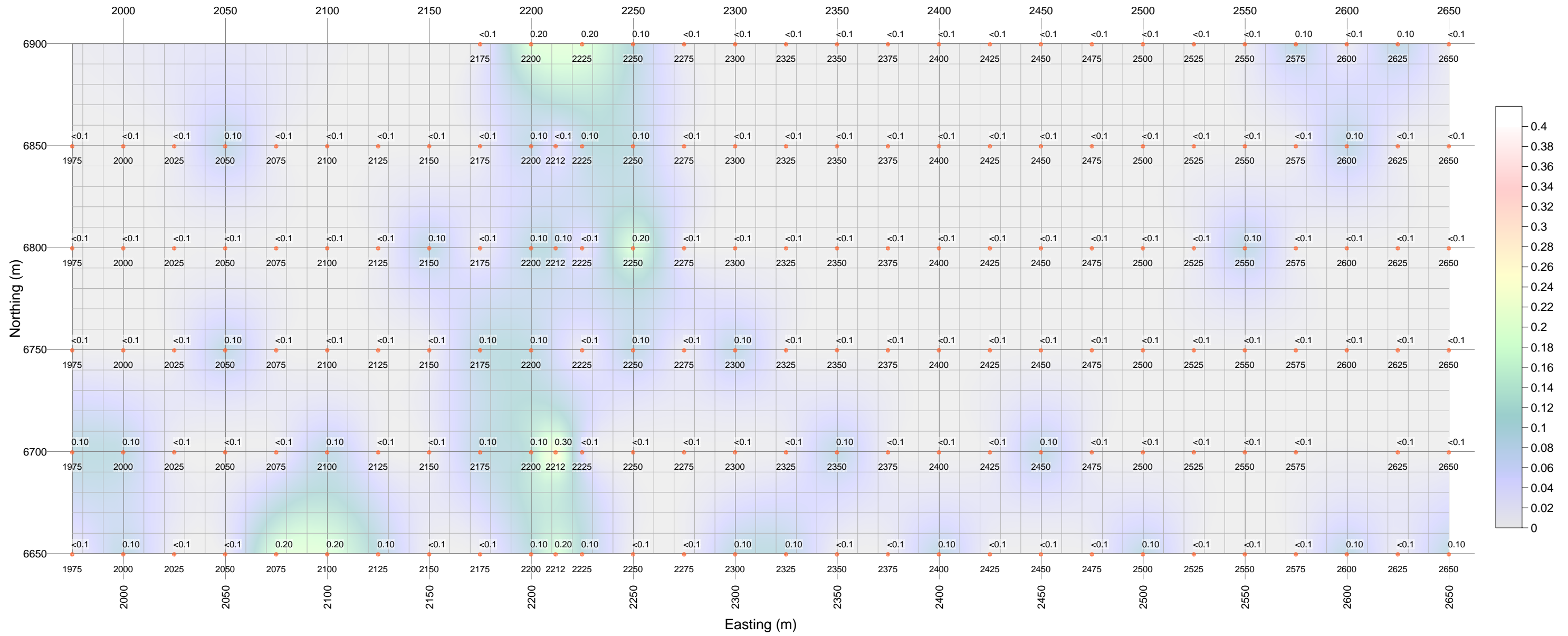
FIGURE:

AU-3

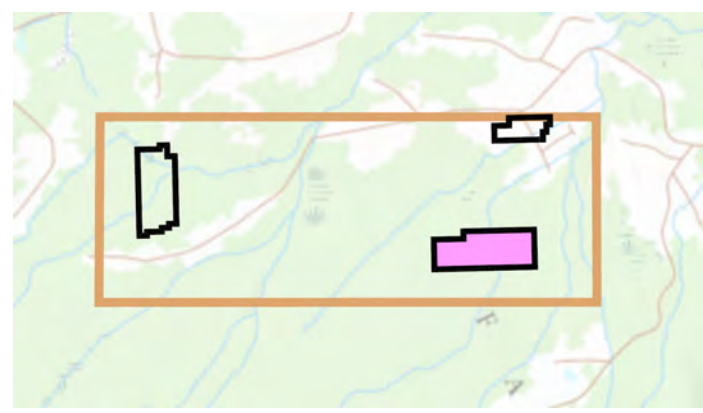


NOTES:
 1. Grid coordinates are UTM Zone 10N:
 UTM Northing = Grid Northing + 5890000
 UTM Easting = Grid Easting + 380000
 2. Full Sample Label is "4-Digit Easting - 4 Digit Northing"
 e.g. Sample at 100E, 7100N is "0100-7100"

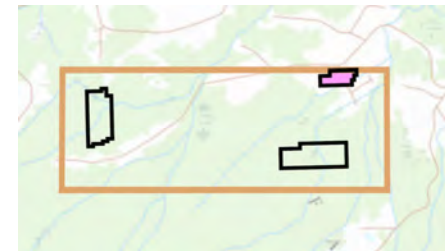
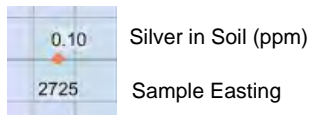
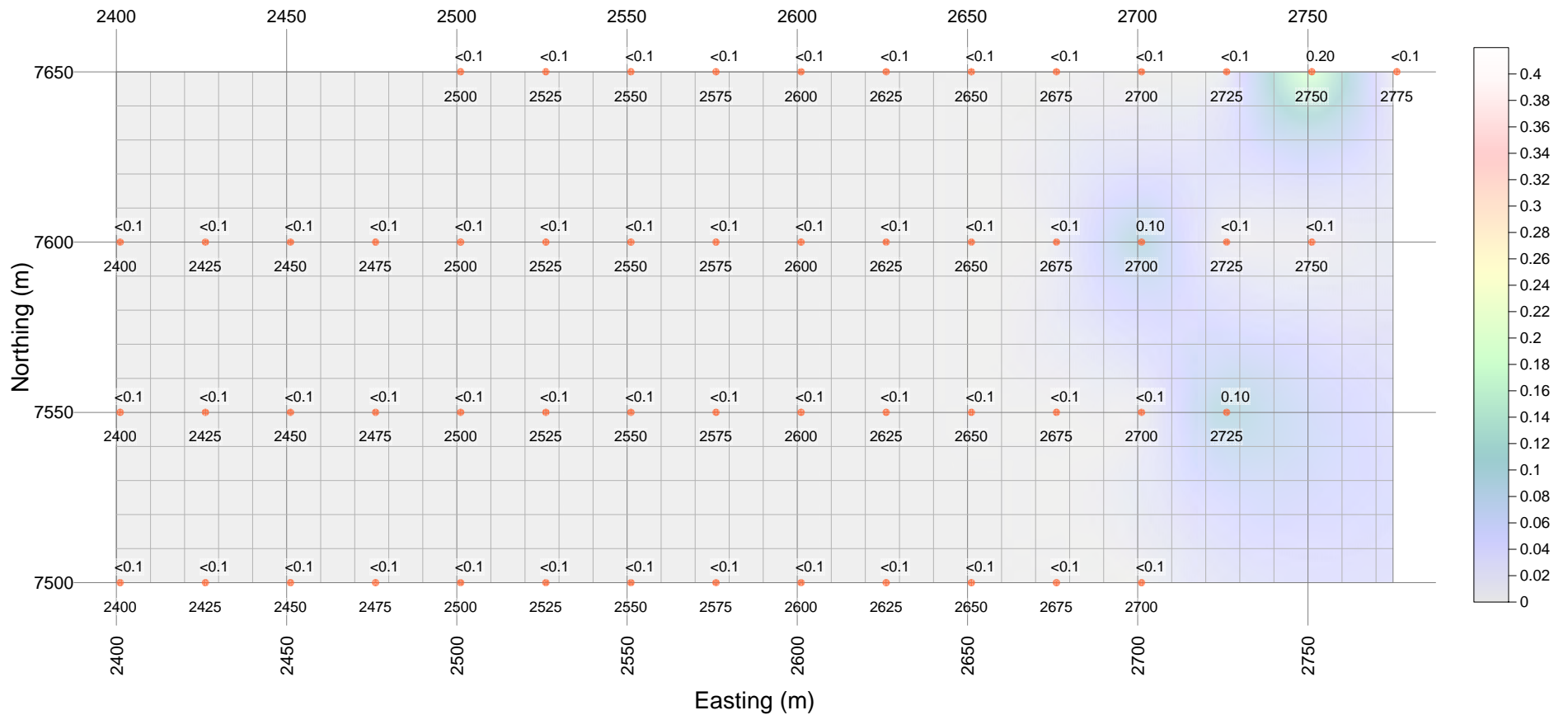
| | |
|---|------------------------|
| PROJECT: Keaton Claim 2018 Assessment Report Title: 637204 Mining Division: OMINECA | |
| TITLE: West GRID - Silver in Soil (ppm) | FIGURE: AG-1 |



NOTES:
 1. Grid coordinates are UTM Zone 10N:
 UTM Northing = Grid Northing + 5890000
 UTM Easting = Grid Easting + 380000
 2. Full Sample Label is "4-Digit Easting - 4 Digit Northing"
 e.g. Sample at 2100E, 6800N is "2100-6800"



| | |
|---|------------------------|
| PROJECT: Keaton Claim 2018 Assessment Report Title: 637204 Mining Division: OMINECA | |
| TITLE: SE GRID - Silver in Soil (ppm) | FIGURE: AG-2 |



NOTES:

- Grid coordinates are UTM Zone 10N:
 UTM Northing = Grid Northing + 5890000
 UTM Easting = Grid Easting + 380000
- Full Sample Label is "4-Digit Easting - 4 Digit Northing"
 e.g. Sample at 2400E, 7500N is "2400-7500"

| | |
|---|------------------------|
| PROJECT: Keaton Claim 2018 Assessment Report Title: 637204 Mining Division: OMINECA | |
| TITLE: NE GRID - Silver in Soil (ppm) | FIGURE: AG-3 |

APPENDIX I: Bureau Veritas Analytical Report



**BUREAU
VERITAS**

MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

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

Client: **Rebekah Antkow**
#123-4035 22nd Ave.
Prince George British Columbia V2N 4Y9 Canada

Submitted By: Ben Rozek
Receiving Lab: Canada-Vancouver
Received: July 17, 2018
Report Date: August 14, 2018
Page: 1 of 8

CERTIFICATE OF ANALYSIS

VAN18001760.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 181

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: Ben Rozek
976 Ryder Drive
Kelowna British Columbia V1Y 7T5
Canada

CC: Rebekah Antkow
Andrew Davis
Jane Rozek
Dave Rozek

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|--|--------------|---------------|-----|
| DY060 | 178 | Dry at 60C | | | VAN |
| SS80 | 178 | Dry at 60C sieve 100g to -80 mesh | | | VAN |
| SLBHP | 3 | Sort, label and box pulps | | | VAN |
| AQ201 | 178 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15 | Completed | VAN |
| DISPL | 178 | Disposal of pulps | | | VAN |

ADDITIONAL COMMENTS


KERRY JAY
Geochem Project Specialist

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



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Project: None Given
Report Date: August 14, 2018

Page: 2 of 8

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN18001760.1

| 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 | |
| 0100-6950 | Soil | 0.6 | 5.9 | 8.4 | 58 | 0.1 | 8.8 | 5.4 | 759 | 1.85 | 2.8 | 1.2 | 1.7 | 10 | <0.1 | 0.2 | 0.1 | 44 | 0.12 | 0.072 | 6 |
| 0100-6975 | Soil | 0.6 | 4.7 | 8.4 | 59 | 0.1 | 7.0 | 5.3 | 616 | 1.85 | 1.7 | 0.9 | 1.5 | 10 | <0.1 | 0.2 | 0.1 | 46 | 0.12 | 0.078 | 6 |
| 0100-7000 | Soil | 0.7 | 7.2 | 8.2 | 52 | <0.1 | 11.2 | 5.8 | 357 | 1.92 | 3.5 | 0.6 | 2.2 | 9 | <0.1 | 0.2 | 0.1 | 44 | 0.11 | 0.090 | 6 |
| 0100-7025 | Soil | 0.7 | 6.9 | 8.1 | 46 | 0.2 | 7.9 | 4.9 | 186 | 1.78 | 3.5 | 1.9 | 1.9 | 9 | <0.1 | 0.2 | 0.1 | 50 | 0.12 | 0.081 | 7 |
| 0100-7050 | Soil | 0.7 | 7.4 | 8.4 | 46 | 0.1 | 8.2 | 4.3 | 138 | 1.72 | 3.2 | 2.9 | 2.1 | 10 | <0.1 | 0.2 | 0.1 | 44 | 0.12 | 0.111 | 6 |
| 0100-7075 | Soil | 0.6 | 5.9 | 8.0 | 44 | 0.1 | 7.2 | 4.9 | 183 | 1.59 | 2.3 | 1.8 | 1.6 | 13 | <0.1 | 0.2 | 0.1 | 42 | 0.13 | 0.067 | 6 |
| 0100-7100 | Soil | 0.5 | 7.5 | 6.8 | 38 | 0.1 | 10.0 | 4.9 | 173 | 1.78 | 3.4 | 4.5 | 1.8 | 11 | <0.1 | 0.3 | <0.1 | 50 | 0.14 | 0.107 | 7 |
| 0100-7125 | Soil | 0.6 | 6.3 | 9.7 | 69 | 0.2 | 10.0 | 5.1 | 257 | 1.81 | 3.6 | 2.5 | 2.0 | 10 | <0.1 | 0.3 | 0.1 | 42 | 0.12 | 0.118 | 7 |
| 0100-7150 | Soil | 0.6 | 6.9 | 10.4 | 96 | 0.2 | 8.9 | 5.6 | 242 | 1.91 | 2.9 | 2.7 | 2.4 | 10 | <0.1 | 0.2 | 0.1 | 46 | 0.11 | 0.108 | 8 |
| 0100-7175 | Soil | 0.5 | 7.5 | 9.5 | 79 | 0.1 | 9.1 | 5.8 | 333 | 2.03 | 4.3 | <0.5 | 2.4 | 11 | <0.1 | 0.4 | 0.1 | 41 | 0.14 | 0.139 | 8 |
| 0100-7200 | Soil | 0.6 | 4.4 | 14.5 | 127 | <0.1 | 5.0 | 6.2 | 1763 | 1.39 | 1.5 | 0.6 | 1.8 | 10 | 0.2 | 0.2 | 0.2 | 37 | 0.12 | 0.091 | 8 |
| 0100-7225 | Soil | 0.6 | 7.9 | 10.7 | 135 | 0.2 | 9.9 | 6.0 | 331 | 1.93 | 3.5 | 1.3 | 2.5 | 12 | 0.1 | 0.3 | 0.1 | 44 | 0.13 | 0.175 | 8 |
| 0100-7250 | Soil | 0.6 | 7.0 | 9.7 | 51 | <0.1 | 10.0 | 4.4 | 194 | 1.77 | 4.3 | 1.3 | 2.4 | 9 | <0.1 | 0.4 | 0.1 | 44 | 0.10 | 0.090 | 7 |
| 0100-7275 | Soil | 0.7 | 4.1 | 10.2 | 114 | 0.1 | 7.5 | 6.1 | 932 | 1.61 | 1.3 | 0.7 | 2.1 | 11 | <0.1 | 0.2 | 0.1 | 40 | 0.12 | 0.128 | 8 |
| 0100-7300 | Soil | 0.9 | 5.6 | 16.5 | 126 | 0.2 | 6.5 | 7.0 | 2037 | 1.71 | 1.8 | <0.5 | 1.8 | 16 | 0.2 | 0.3 | 0.2 | 39 | 0.17 | 0.168 | 9 |
| 0100-7325 | Soil | 0.7 | 4.6 | 10.7 | 99 | <0.1 | 6.4 | 5.2 | 578 | 1.83 | 2.3 | 1.5 | 2.1 | 10 | <0.1 | 0.2 | 0.1 | 39 | 0.12 | 0.137 | 8 |
| 0100-7350 | Soil | 0.6 | 6.2 | 11.5 | 116 | <0.1 | 10.0 | 5.7 | 389 | 2.17 | 4.1 | <0.5 | 2.7 | 11 | <0.1 | 0.4 | 0.1 | 55 | 0.14 | 0.186 | 8 |
| 0100-7375 | Soil | 0.5 | 4.4 | 9.6 | 110 | <0.1 | 7.2 | 5.0 | 284 | 1.37 | 1.8 | <0.5 | 2.1 | 10 | <0.1 | 0.3 | <0.1 | 36 | 0.11 | 0.105 | 7 |
| 0100-7400 | Soil | 0.6 | 5.1 | 12.1 | 124 | 0.1 | 9.3 | 5.8 | 509 | 1.97 | 2.2 | <0.5 | 2.1 | 14 | <0.1 | 0.3 | 0.1 | 50 | 0.16 | 0.132 | 8 |
| 0100-7425 | Soil | 0.7 | 5.1 | 10.7 | 152 | <0.1 | 8.6 | 6.4 | 1047 | 1.86 | 2.0 | <0.5 | 1.3 | 15 | 0.1 | 0.2 | 0.1 | 45 | 0.18 | 0.134 | 8 |
| 0100-7450 | Soil | 0.5 | 6.5 | 10.7 | 93 | <0.1 | 10.8 | 6.4 | 384 | 2.38 | 3.8 | <0.5 | 2.3 | 13 | <0.1 | 0.3 | 0.1 | 63 | 0.15 | 0.143 | 8 |
| 0100-7475 | Soil | 0.5 | 4.6 | 9.6 | 90 | 0.1 | 6.5 | 3.8 | 136 | 2.04 | 2.1 | <0.5 | 2.1 | 13 | 0.1 | 0.3 | 0.1 | 49 | 0.13 | 0.156 | 8 |
| 0100-7500 | Soil | 0.4 | 7.7 | 11.8 | 140 | <0.1 | 10.8 | 5.9 | 209 | 2.16 | 2.8 | <0.5 | 2.8 | 22 | 0.3 | 0.3 | 0.1 | 50 | 0.24 | 0.315 | 8 |
| 0150-6975 | Soil | 0.5 | 9.8 | 7.8 | 48 | <0.1 | 9.5 | 5.8 | 393 | 2.14 | 3.3 | <0.5 | 1.9 | 15 | <0.1 | 0.3 | <0.1 | 53 | 0.17 | 0.075 | 8 |
| 0150-7000 | Soil | 0.9 | 4.5 | 8.7 | 60 | <0.1 | 7.3 | 6.5 | 488 | 1.89 | 2.2 | 0.5 | 1.8 | 10 | <0.1 | 0.2 | 0.1 | 45 | 0.14 | 0.085 | 7 |
| 0150-7025 | Soil | 0.6 | 8.4 | 8.1 | 61 | 0.2 | 8.8 | 6.1 | 287 | 1.93 | 3.3 | <0.5 | 2.0 | 11 | <0.1 | 0.2 | <0.1 | 48 | 0.12 | 0.105 | 7 |
| 0150-7050 | Soil | 0.6 | 12.4 | 8.4 | 49 | 0.1 | 10.7 | 5.8 | 174 | 2.01 | 3.8 | 0.8 | 2.2 | 12 | <0.1 | 0.3 | <0.1 | 52 | 0.12 | 0.095 | 8 |
| 0150-7075 | Soil | 0.7 | 8.1 | 8.8 | 42 | <0.1 | 8.9 | 4.8 | 145 | 1.86 | 3.9 | <0.5 | 1.9 | 12 | <0.1 | 0.3 | 0.1 | 50 | 0.12 | 0.087 | 7 |
| 0150-7100 | Soil | 0.8 | 10.2 | 10.5 | 51 | 0.1 | 13.8 | 7.8 | 219 | 2.42 | 4.5 | 0.7 | 2.5 | 12 | <0.1 | 0.3 | 0.1 | 58 | 0.13 | 0.138 | 7 |
| 0150-7125 | Soil | 0.4 | 5.7 | 7.9 | 55 | 0.2 | 6.4 | 4.1 | 177 | 1.50 | 2.3 | 2.3 | 1.8 | 10 | <0.1 | 0.2 | 0.1 | 38 | 0.12 | 0.096 | 7 |



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Project: None Given
Report Date: August 14, 2018

Page: 2 of 8

Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN18001760.1

| 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 | |
| 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 | |
| 0100-6950 | Soil | 15 | 0.18 | 77 | 0.056 | <1 | 1.28 | 0.007 | 0.03 | <0.1 | 0.02 | 1.7 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0100-6975 | Soil | 14 | 0.17 | 62 | 0.050 | <1 | 1.32 | 0.008 | 0.03 | <0.1 | 0.03 | 1.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0100-7000 | Soil | 16 | 0.24 | 69 | 0.072 | <1 | 1.65 | 0.010 | 0.04 | 0.1 | 0.02 | 2.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0100-7025 | Soil | 16 | 0.19 | 49 | 0.059 | <1 | 1.19 | 0.008 | 0.03 | 0.1 | 0.03 | 2.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0100-7050 | Soil | 16 | 0.20 | 48 | 0.053 | <1 | 1.48 | 0.011 | 0.03 | 0.1 | 0.03 | 2.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0100-7075 | Soil | 13 | 0.19 | 61 | 0.055 | <1 | 1.54 | 0.008 | 0.03 | 0.1 | 0.03 | 1.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0100-7100 | Soil | 18 | 0.22 | 52 | 0.078 | <1 | 1.20 | 0.009 | 0.03 | <0.1 | 0.01 | 2.1 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 0100-7125 | Soil | 17 | 0.21 | 63 | 0.078 | 1 | 1.71 | 0.009 | 0.03 | 0.1 | 0.02 | 2.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0100-7150 | Soil | 16 | 0.21 | 70 | 0.081 | <1 | 1.69 | 0.009 | 0.03 | <0.1 | 0.02 | 2.6 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0100-7175 | Soil | 16 | 0.22 | 69 | 0.042 | <1 | 1.67 | 0.009 | 0.05 | <0.1 | 0.02 | 2.0 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0100-7200 | Soil | 13 | 0.16 | 94 | 0.037 | <1 | 1.15 | 0.008 | 0.04 | <0.1 | 0.03 | 1.8 | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| 0100-7225 | Soil | 19 | 0.21 | 79 | 0.044 | 1 | 1.78 | 0.007 | 0.05 | <0.1 | 0.03 | 2.3 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0100-7250 | Soil | 15 | 0.17 | 61 | 0.054 | <1 | 1.22 | 0.009 | 0.03 | <0.1 | 0.03 | 1.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0100-7275 | Soil | 16 | 0.18 | 96 | 0.025 | <1 | 1.83 | 0.008 | 0.05 | <0.1 | 0.03 | 1.8 | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| 0100-7300 | Soil | 17 | 0.17 | 114 | 0.022 | 1 | 1.54 | 0.009 | 0.05 | <0.1 | 0.05 | 1.7 | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| 0100-7325 | Soil | 14 | 0.14 | 67 | 0.032 | <1 | 1.51 | 0.006 | 0.04 | <0.1 | 0.02 | 1.7 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0100-7350 | Soil | 20 | 0.21 | 73 | 0.048 | 1 | 1.96 | 0.007 | 0.04 | <0.1 | 0.03 | 2.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0100-7375 | Soil | 14 | 0.16 | 64 | 0.044 | <1 | 1.32 | 0.008 | 0.04 | <0.1 | 0.02 | 1.8 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0100-7400 | Soil | 17 | 0.20 | 98 | 0.036 | 1 | 1.45 | 0.008 | 0.04 | <0.1 | 0.02 | 1.8 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0100-7425 | Soil | 18 | 0.20 | 106 | 0.035 | 2 | 1.71 | 0.007 | 0.06 | <0.1 | 0.04 | 1.8 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0100-7450 | Soil | 27 | 0.22 | 76 | 0.052 | <1 | 1.51 | 0.007 | 0.04 | <0.1 | 0.03 | 2.1 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0100-7475 | Soil | 18 | 0.17 | 61 | 0.036 | <1 | 1.24 | 0.007 | 0.04 | <0.1 | 0.02 | 2.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0100-7500 | Soil | 21 | 0.28 | 104 | 0.048 | 1 | 1.54 | 0.009 | 0.04 | <0.1 | 0.02 | 2.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0150-6975 | Soil | 16 | 0.24 | 86 | 0.079 | 1 | 1.40 | 0.010 | 0.04 | <0.1 | 0.02 | 2.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0150-7000 | Soil | 14 | 0.13 | 74 | 0.056 | 1 | 1.67 | 0.008 | 0.04 | <0.1 | 0.03 | 2.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0150-7025 | Soil | 16 | 0.22 | 61 | 0.065 | <1 | 1.55 | 0.010 | 0.04 | 0.1 | 0.04 | 2.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0150-7050 | Soil | 18 | 0.25 | 90 | 0.076 | <1 | 1.62 | 0.012 | 0.04 | <0.1 | 0.02 | 2.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0150-7075 | Soil | 16 | 0.21 | 60 | 0.066 | 1 | 1.64 | 0.009 | 0.03 | 0.1 | 0.02 | 2.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0150-7100 | Soil | 20 | 0.24 | 105 | 0.077 | 1 | 2.52 | 0.010 | 0.04 | 0.1 | 0.02 | 3.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0150-7125 | Soil | 13 | 0.17 | 39 | 0.062 | <1 | 1.21 | 0.008 | 0.03 | <0.1 | 0.02 | 2.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |



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Project: None Given
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| Method | Analyte | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | 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 | |
| 0150-7150 | Soil | 0.7 | 7.4 | 10.2 | 100 | 0.1 | 9.6 | 6.5 | 350 | 2.09 | 3.0 | 2.8 | 2.2 | 12 | 0.1 | 0.2 | 0.1 | 42 | 0.12 | 0.128 | 7 |
| 0150-7175 | Soil | 0.6 | 6.2 | 9.9 | 56 | 0.1 | 9.3 | 5.6 | 270 | 1.85 | 3.3 | 0.7 | 2.0 | 10 | <0.1 | 0.3 | 0.1 | 46 | 0.13 | 0.067 | 7 |
| 0150-7200 | Soil | 0.7 | 7.0 | 11.8 | 117 | 0.1 | 8.4 | 6.5 | 362 | 2.11 | 3.2 | 0.8 | 2.4 | 11 | <0.1 | 0.2 | 0.1 | 45 | 0.13 | 0.213 | 7 |
| 0150-7225 | Soil | 0.6 | 7.3 | 10.8 | 111 | 0.1 | 8.6 | 5.7 | 385 | 2.08 | 3.5 | <0.5 | 2.6 | 10 | <0.1 | 0.3 | 0.1 | 47 | 0.11 | 0.203 | 8 |
| 0150-7250 | Soil | 0.7 | 7.7 | 10.9 | 102 | 0.1 | 9.2 | 6.9 | 328 | 2.26 | 4.9 | <0.5 | 2.8 | 11 | 0.1 | 0.4 | 0.1 | 51 | 0.12 | 0.268 | 8 |
| 0150-7275 | Soil | 1.0 | 6.5 | 12.9 | 157 | 0.2 | 6.2 | 6.8 | 2355 | 1.48 | 1.9 | <0.5 | 1.8 | 11 | 0.2 | 0.2 | 0.2 | 36 | 0.15 | 0.288 | 8 |
| 0150-7300 | Soil | 0.8 | 7.0 | 15.0 | 120 | 0.1 | 8.0 | 6.8 | 682 | 1.95 | 2.5 | 4.7 | 2.3 | 10 | <0.1 | 0.2 | 0.2 | 47 | 0.12 | 0.185 | 8 |
| 0150-7325 | Soil | 0.7 | 5.7 | 11.9 | 82 | 0.1 | 7.1 | 4.8 | 311 | 1.78 | 3.1 | <0.5 | 2.1 | 10 | 0.1 | 0.3 | 0.1 | 40 | 0.10 | 0.194 | 7 |
| 0150-7350 | Soil | 0.8 | 6.6 | 14.7 | 133 | 0.3 | 8.0 | 7.4 | 1184 | 1.86 | 3.0 | <0.5 | 1.9 | 12 | 0.2 | 0.2 | 0.2 | 44 | 0.14 | 0.254 | 8 |
| 0150-7375 | Soil | 0.7 | 7.4 | 13.7 | 110 | 0.2 | 9.0 | 6.7 | 692 | 1.88 | 3.2 | 0.8 | 2.3 | 11 | 0.1 | 0.2 | 0.1 | 43 | 0.13 | 0.242 | 8 |
| 0150-7400 | Soil | 0.7 | 6.7 | 11.2 | 99 | <0.1 | 10.3 | 6.3 | 355 | 2.14 | 4.2 | 1.8 | 2.6 | 9 | 0.1 | 0.4 | 0.1 | 52 | 0.10 | 0.124 | 8 |
| 0150-7425 | Soil | 0.6 | 6.8 | 9.2 | 57 | <0.1 | 10.5 | 5.6 | 172 | 1.77 | 3.6 | <0.5 | 2.1 | 10 | <0.1 | 0.3 | <0.1 | 43 | 0.10 | 0.069 | 7 |
| 0150-7450 | Soil | 0.5 | 5.3 | 10.6 | 92 | <0.1 | 7.2 | 5.0 | 1125 | 1.76 | 2.4 | 6.8 | 2.1 | 8 | <0.1 | 0.2 | 0.1 | 43 | 0.11 | 0.130 | 8 |
| 0150-7475 | Soil | 0.5 | 6.8 | 11.8 | 84 | <0.1 | 11.6 | 5.8 | 514 | 1.84 | 3.4 | 1.0 | 2.2 | 13 | <0.1 | 0.3 | 0.1 | 47 | 0.15 | 0.078 | 8 |
| 0150-7500 | Soil | 0.6 | 6.3 | 8.3 | 52 | <0.1 | 9.0 | 4.8 | 292 | 1.78 | 4.0 | <0.5 | 2.0 | 11 | <0.1 | 0.3 | <0.1 | 49 | 0.15 | 0.061 | 7 |
| 0200-7000 | Soil | 0.6 | 14.8 | 7.3 | 44 | <0.1 | 13.3 | 7.2 | 358 | 2.26 | 4.5 | 1.2 | 2.3 | 16 | <0.1 | 0.3 | <0.1 | 61 | 0.18 | 0.066 | 9 |
| 0200-7025 | Soil | 0.8 | 10.1 | 10.3 | 64 | 0.1 | 11.4 | 7.2 | 227 | 2.44 | 4.1 | 1.5 | 2.3 | 13 | <0.1 | 0.2 | 0.1 | 55 | 0.13 | 0.174 | 6 |
| 0200-7050 | Soil | 0.9 | 9.0 | 9.7 | 103 | 0.2 | 11.8 | 7.9 | 720 | 2.48 | 2.8 | <0.5 | 2.4 | 11 | <0.1 | 0.2 | 0.1 | 59 | 0.13 | 0.203 | 7 |
| 0200-7075 | Soil | 0.6 | 10.3 | 8.2 | 49 | <0.1 | 11.0 | 6.4 | 254 | 2.10 | 3.6 | 0.6 | 2.4 | 13 | <0.1 | 0.3 | <0.1 | 53 | 0.14 | 0.083 | 8 |
| 0200-7100 | Soil | 0.8 | 7.1 | 10.6 | 87 | 0.2 | 10.3 | 6.5 | 349 | 2.57 | 3.7 | 16.5 | 2.1 | 11 | <0.1 | 0.2 | 0.1 | 54 | 0.13 | 0.182 | 6 |
| 0200-7125 | Soil | 0.5 | 11.4 | 6.5 | 42 | <0.1 | 11.7 | 5.4 | 165 | 1.83 | 3.5 | 2.3 | 2.0 | 13 | <0.1 | 0.2 | <0.1 | 47 | 0.15 | 0.054 | 7 |
| 0200-7150 | Soil | 0.7 | 7.8 | 8.2 | 70 | <0.1 | 8.7 | 6.5 | 352 | 2.58 | 3.2 | <0.5 | 2.1 | 9 | <0.1 | 0.2 | 0.1 | 65 | 0.12 | 0.213 | 6 |
| 0200-7175 | Soil | 0.5 | 9.3 | 7.6 | 45 | <0.1 | 10.8 | 6.4 | 305 | 2.19 | 3.2 | 1.7 | 2.0 | 14 | <0.1 | 0.2 | <0.1 | 58 | 0.16 | 0.066 | 7 |
| 0200-7200 | Soil | 0.6 | 10.1 | 8.4 | 53 | <0.1 | 10.8 | 6.1 | 313 | 2.02 | 3.4 | 4.4 | 2.1 | 13 | <0.1 | 0.2 | 0.1 | 55 | 0.16 | 0.062 | 8 |
| 0200-7225 | Soil | 0.6 | 14.3 | 8.9 | 62 | 0.1 | 14.0 | 7.0 | 398 | 2.18 | 4.7 | 22.2 | 2.1 | 15 | 0.1 | 0.3 | 0.1 | 57 | 0.18 | 0.104 | 8 |
| 0200-7250 | Soil | 0.9 | 7.6 | 12.2 | 135 | 0.3 | 7.5 | 7.2 | 831 | 1.99 | 3.7 | 1.7 | 2.3 | 10 | 0.2 | 0.3 | 0.1 | 47 | 0.10 | 0.258 | 7 |
| 0200-7275 | Soil | 0.7 | 7.7 | 15.9 | 133 | 0.4 | 7.9 | 6.3 | 372 | 1.87 | 2.8 | 0.5 | 2.4 | 35 | 0.2 | 0.3 | 0.2 | 45 | 0.12 | 0.292 | 8 |
| 0200-7300 | Soil | 0.6 | 7.5 | 10.8 | 79 | 0.2 | 9.2 | 5.8 | 276 | 1.98 | 3.6 | 1.4 | 2.4 | 9 | <0.1 | 0.3 | 0.1 | 48 | 0.09 | 0.172 | 7 |
| 0200-7325 | Soil | 0.7 | 9.0 | 11.2 | 97 | 0.2 | 10.7 | 6.7 | 879 | 1.93 | 4.0 | <0.5 | 2.2 | 12 | 0.2 | 0.3 | 0.1 | 50 | 0.13 | 0.147 | 8 |
| 0200-7350 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |



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CERTIFICATE OF ANALYSIS

VAN18001760.1

| 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 | | |
| 0150-7150 | Soil | 16 | 0.23 | 73 | 0.083 | <1 | 1.99 | 0.009 | 0.03 | 0.1 | 0.03 | 2.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| 0150-7175 | Soil | 15 | 0.20 | 69 | 0.086 | <1 | 1.52 | 0.007 | 0.03 | 0.1 | 0.01 | 2.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | |
| 0150-7200 | Soil | 17 | 0.22 | 70 | 0.053 | 1 | 2.29 | 0.010 | 0.06 | 0.1 | 0.04 | 2.4 | 0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| 0150-7225 | Soil | 19 | 0.21 | 67 | 0.047 | 1 | 2.09 | 0.010 | 0.05 | <0.1 | 0.03 | 2.3 | 0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| 0150-7250 | Soil | 21 | 0.23 | 68 | 0.049 | 1 | 2.76 | 0.009 | 0.05 | 0.1 | 0.05 | 2.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| 0150-7275 | Soil | 16 | 0.14 | 112 | 0.023 | 2 | 2.31 | 0.009 | 0.06 | <0.1 | 0.05 | 1.8 | 0.2 | <0.05 | 6 | <0.5 | <0.2 | |
| 0150-7300 | Soil | 20 | 0.18 | 91 | 0.033 | 1 | 2.00 | 0.009 | 0.04 | <0.1 | 0.04 | 2.1 | 0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| 0150-7325 | Soil | 17 | 0.15 | 60 | 0.038 | 1 | 1.87 | 0.008 | 0.03 | <0.1 | 0.03 | 1.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| 0150-7350 | Soil | 18 | 0.17 | 86 | 0.038 | <1 | 1.93 | 0.009 | 0.05 | 0.1 | 0.04 | 2.0 | 0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| 0150-7375 | Soil | 19 | 0.20 | 82 | 0.033 | 1 | 2.09 | 0.009 | 0.05 | <0.1 | 0.04 | 2.2 | 0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| 0150-7400 | Soil | 20 | 0.19 | 65 | 0.048 | <1 | 1.77 | 0.007 | 0.05 | <0.1 | 0.03 | 2.0 | 0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| 0150-7425 | Soil | 17 | 0.18 | 66 | 0.039 | <1 | 1.64 | 0.007 | 0.03 | <0.1 | 0.02 | 1.7 | 0.1 | <0.05 | 4 | <0.5 | <0.2 | |
| 0150-7450 | Soil | 17 | 0.14 | 71 | 0.033 | <1 | 1.21 | 0.006 | 0.03 | <0.1 | 0.02 | 1.7 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | |
| 0150-7475 | Soil | 19 | 0.21 | 95 | 0.046 | <1 | 1.37 | 0.008 | 0.04 | <0.1 | 0.02 | 2.0 | 0.1 | <0.05 | 4 | <0.5 | <0.2 | |
| 0150-7500 | Soil | 18 | 0.16 | 63 | 0.053 | <1 | 0.94 | 0.007 | 0.03 | <0.1 | 0.01 | 1.4 | <0.1 | <0.05 | 3 | <0.5 | <0.2 | |
| 0200-7000 | Soil | 23 | 0.31 | 108 | 0.079 | <1 | 1.55 | 0.010 | 0.05 | <0.1 | 0.02 | 3.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | |
| 0200-7025 | Soil | 21 | 0.26 | 81 | 0.071 | 1 | 2.15 | 0.010 | 0.05 | 0.1 | 0.05 | 2.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| 0200-7050 | Soil | 22 | 0.23 | 80 | 0.063 | 1 | 2.36 | 0.010 | 0.04 | <0.1 | 0.04 | 2.8 | 0.1 | <0.05 | 7 | <0.5 | <0.2 | |
| 0200-7075 | Soil | 21 | 0.25 | 77 | 0.086 | <1 | 1.50 | 0.009 | 0.04 | <0.1 | 0.02 | 2.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | |
| 0200-7100 | Soil | 19 | 0.20 | 69 | 0.073 | <1 | 2.07 | 0.009 | 0.04 | 0.1 | 0.04 | 2.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 | |
| 0200-7125 | Soil | 17 | 0.26 | 88 | 0.065 | <1 | 1.59 | 0.007 | 0.04 | <0.1 | 0.01 | 2.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | |
| 0200-7150 | Soil | 21 | 0.20 | 56 | 0.050 | <1 | 1.96 | 0.008 | 0.04 | 0.1 | 0.04 | 2.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| 0200-7175 | Soil | 20 | 0.23 | 88 | 0.113 | <1 | 1.60 | 0.010 | 0.03 | <0.1 | 0.02 | 2.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| 0200-7200 | Soil | 19 | 0.23 | 74 | 0.088 | <1 | 1.51 | 0.012 | 0.04 | <0.1 | 0.02 | 2.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 | |
| 0200-7225 | Soil | 23 | 0.27 | 107 | 0.083 | <1 | 1.66 | 0.009 | 0.05 | <0.1 | 0.02 | 2.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| 0200-7250 | Soil | 19 | 0.14 | 67 | 0.039 | <1 | 2.36 | 0.008 | 0.04 | <0.1 | 0.04 | 2.0 | 0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| 0200-7275 | Soil | 19 | 0.20 | 89 | 0.042 | 1 | 2.22 | 0.008 | 0.05 | <0.1 | 0.05 | 2.3 | 0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| 0200-7300 | Soil | 20 | 0.18 | 66 | 0.047 | <1 | 1.84 | 0.007 | 0.03 | <0.1 | 0.03 | 2.0 | 0.1 | <0.05 | 5 | <0.5 | <0.2 | |
| 0200-7325 | Soil | 20 | 0.22 | 73 | 0.051 | <1 | 1.72 | 0.009 | 0.04 | <0.1 | 0.03 | 2.1 | 0.2 | <0.05 | 5 | <0.5 | <0.2 | |
| 0200-7350 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |



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CERTIFICATE OF ANALYSIS

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| Method | Analyte | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | 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 | 0.1 | 0.01 | 0.001 | 1 | |
| 0200-7375 | Soil | 0.6 | 9.1 | 11.5 | 122 | 0.2 | 11.4 | 6.2 | 154 | 2.28 | 5.9 | <0.5 | 3.5 | 10 | 0.1 | 0.4 | 0.1 | 55 | 0.11 | 0.165 | 8 |
| 0200-7400 | Soil | 0.7 | 8.2 | 9.8 | 91 | 0.2 | 10.1 | 6.4 | 239 | 1.91 | 4.2 | 2.2 | 2.2 | 13 | 0.1 | 0.3 | 0.1 | 47 | 0.13 | 0.164 | 8 |
| 0200-7425 | Soil | 0.7 | 8.0 | 9.0 | 91 | 0.1 | 10.5 | 6.0 | 229 | 2.04 | 4.0 | 9.4 | 2.4 | 9 | <0.1 | 0.4 | <0.1 | 54 | 0.11 | 0.126 | 8 |
| 0200-7450 | Soil | 0.6 | 6.5 | 11.5 | 87 | 0.1 | 8.0 | 5.1 | 169 | 1.96 | 3.3 | 1.4 | 2.6 | 9 | <0.1 | 0.3 | 0.1 | 49 | 0.10 | 0.161 | 8 |
| 0200-7475 | Soil | 0.8 | 7.0 | 9.6 | 80 | <0.1 | 7.5 | 7.7 | 298 | 1.81 | 3.4 | <0.5 | 2.4 | 10 | <0.1 | 0.4 | 0.1 | 47 | 0.13 | 0.123 | 8 |
| 0200-7500 | Soil | 0.7 | 7.9 | 11.0 | 66 | 0.1 | 8.6 | 6.4 | 175 | 2.05 | 5.0 | 2.2 | 2.2 | 15 | 0.3 | 0.4 | 0.1 | 46 | 0.16 | 0.255 | 8 |
| 0200-7525 | Soil | 0.7 | 6.7 | 4.1 | 35 | 0.1 | 4.2 | 1.2 | 61 | 0.38 | 0.9 | 3.5 | 1.1 | 21 | 0.2 | 0.4 | <0.1 | 15 | 0.30 | 0.025 | 11 |
| 0250-7025 | Soil | 0.7 | 6.4 | 7.5 | 63 | <0.1 | 9.8 | 6.0 | 398 | 2.10 | 2.4 | 0.8 | 1.9 | 10 | <0.1 | 0.2 | 0.1 | 57 | 0.11 | 0.101 | 6 |
| 0250-7050 | Soil | 0.7 | 8.3 | 8.0 | 46 | 0.1 | 11.2 | 6.0 | 261 | 2.14 | 3.4 | <0.5 | 2.1 | 11 | <0.1 | 0.2 | <0.1 | 55 | 0.13 | 0.093 | 7 |
| 0250-7075 | Soil | 0.7 | 9.3 | 7.8 | 51 | <0.1 | 11.0 | 6.1 | 288 | 2.11 | 3.4 | 0.5 | 2.0 | 12 | <0.1 | 0.2 | <0.1 | 56 | 0.14 | 0.086 | 7 |
| 0250-7100 | Soil | 0.7 | 9.8 | 10.5 | 84 | <0.1 | 11.6 | 7.7 | 414 | 2.47 | 4.6 | <0.5 | 2.3 | 12 | <0.1 | 0.2 | 0.1 | 63 | 0.13 | 0.151 | 7 |
| 0250-7125 | Soil | 0.8 | 9.2 | 8.9 | 71 | 0.2 | 9.8 | 7.2 | 650 | 2.39 | 3.7 | 88.8 | 1.8 | 17 | 0.1 | 0.2 | 0.1 | 63 | 0.19 | 0.194 | 7 |
| 0250-7150 | Soil | 0.8 | 8.7 | 10.7 | 100 | 0.2 | 10.0 | 6.5 | 521 | 2.37 | 3.8 | 1.6 | 2.2 | 13 | 0.1 | 0.2 | 0.1 | 53 | 0.14 | 0.201 | 7 |
| 0250-7175 | Soil | 0.7 | 7.9 | 9.9 | 93 | 0.1 | 10.8 | 7.9 | 703 | 2.78 | 5.0 | 1.5 | 2.2 | 12 | 0.1 | 0.2 | 0.1 | 64 | 0.14 | 0.244 | 6 |
| 0250-7200 | Soil | 0.6 | 9.5 | 7.6 | 51 | 0.1 | 9.6 | 6.0 | 664 | 1.87 | 3.6 | 1.3 | 2.0 | 11 | <0.1 | 0.3 | 0.1 | 49 | 0.13 | 0.085 | 6 |
| 0250-7225 | Soil | 0.9 | 5.7 | 8.6 | 102 | 0.1 | 8.0 | 6.3 | 553 | 1.91 | 10.8 | 2.3 | 2.0 | 10 | <0.1 | 0.2 | 0.1 | 46 | 0.12 | 0.130 | 6 |
| 0250-7250 | Soil | 0.6 | 9.1 | 8.6 | 105 | <0.1 | 10.7 | 6.3 | 447 | 2.08 | 2.9 | 0.8 | 2.0 | 10 | <0.1 | 0.2 | 0.1 | 48 | 0.13 | 0.147 | 7 |
| 0250-7275 | Soil | 0.8 | 9.2 | 7.9 | 86 | 0.2 | 10.0 | 7.5 | 454 | 2.62 | 3.5 | 3.0 | 2.1 | 11 | 0.1 | 0.2 | 0.1 | 69 | 0.13 | 0.159 | 7 |
| 0250-7300 | Soil | 0.6 | 7.8 | 8.9 | 63 | 0.2 | 9.5 | 5.6 | 189 | 1.92 | 3.9 | 0.7 | 2.4 | 12 | <0.1 | 0.3 | 0.1 | 45 | 0.13 | 0.114 | 7 |
| 0250-7325 | Soil | 0.5 | 6.5 | 9.0 | 60 | 0.1 | 8.2 | 5.6 | 213 | 1.79 | 3.5 | 1.5 | 1.6 | 15 | <0.1 | 0.3 | 0.1 | 48 | 0.15 | 0.059 | 6 |
| 0250-7350 | Soil | 0.5 | 6.6 | 9.2 | 62 | 0.2 | 7.4 | 4.4 | 202 | 1.73 | 4.5 | 0.8 | 2.2 | 9 | <0.1 | 0.4 | 0.1 | 43 | 0.10 | 0.114 | 7 |
| 0250-7375 | Soil | 0.5 | 5.9 | 9.7 | 98 | 0.2 | 7.8 | 5.0 | 217 | 1.76 | 3.2 | 0.8 | 2.2 | 9 | 0.1 | 0.3 | 0.1 | 41 | 0.10 | 0.133 | 7 |
| 0250-7400 | Soil | 0.8 | 6.8 | 8.1 | 56 | <0.1 | 11.8 | 6.2 | 106 | 2.10 | 4.0 | 1.8 | 2.5 | 11 | <0.1 | 0.3 | <0.1 | 50 | 0.08 | 0.090 | 7 |
| 0250-7425 | Soil | 0.5 | 7.0 | 7.8 | 57 | <0.1 | 9.4 | 5.8 | 269 | 1.76 | 3.6 | 1.6 | 2.2 | 11 | <0.1 | 0.3 | <0.1 | 44 | 0.13 | 0.075 | 7 |
| 0250-7450 | Soil | 0.5 | 8.7 | 9.6 | 37 | <0.1 | 10.3 | 6.0 | 172 | 1.56 | 4.9 | 1.5 | 1.9 | 17 | <0.1 | 0.4 | <0.1 | 44 | 0.20 | 0.055 | 9 |
| 0000-6925 | Soil | 0.7 | 7.0 | 7.6 | 55 | <0.1 | 9.3 | 5.5 | 229 | 1.82 | 3.1 | 1.2 | 1.8 | 11 | <0.1 | 0.2 | 0.1 | 46 | 0.13 | 0.101 | 7 |
| 0000-6950 | Soil | 0.7 | 6.0 | 7.4 | 55 | 0.1 | 9.3 | 5.4 | 192 | 1.87 | 3.0 | 1.3 | 1.7 | 11 | <0.1 | 0.2 | <0.1 | 48 | 0.12 | 0.082 | 6 |
| 0000-6975 | Soil | 0.6 | 5.9 | 7.7 | 47 | <0.1 | 7.0 | 4.5 | 341 | 1.80 | 3.2 | 1.4 | 1.6 | 9 | <0.1 | 0.2 | 0.1 | 50 | 0.11 | 0.074 | 6 |
| 0000-7000 | Soil | 0.7 | 9.9 | 8.4 | 52 | <0.1 | 12.6 | 6.6 | 214 | 2.04 | 4.3 | 1.8 | 2.0 | 12 | <0.1 | 0.3 | <0.1 | 49 | 0.13 | 0.087 | 7 |
| 0000-7025 | Soil | 0.7 | 8.4 | 8.7 | 51 | <0.1 | 11.7 | 6.7 | 186 | 1.80 | 3.5 | 3.0 | 2.1 | 12 | <0.1 | 0.2 | <0.1 | 43 | 0.14 | 0.085 | 7 |



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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 | |
| 0200-7375 | Soil | 22 | 0.20 | 70 | 0.056 | <1 | 1.97 | 0.008 | 0.04 | 0.1 | 0.03 | 2.3 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0200-7400 | Soil | 19 | 0.21 | 66 | 0.045 | <1 | 1.81 | 0.008 | 0.04 | <0.1 | 0.02 | 1.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0200-7425 | Soil | 21 | 0.19 | 56 | 0.057 | <1 | 1.51 | 0.007 | 0.03 | <0.1 | 0.02 | 1.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0200-7450 | Soil | 19 | 0.15 | 65 | 0.041 | <1 | 1.55 | 0.007 | 0.04 | <0.1 | 0.03 | 1.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0200-7475 | Soil | 18 | 0.15 | 53 | 0.053 | <1 | 1.12 | 0.008 | 0.03 | <0.1 | 0.01 | 1.8 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 0200-7500 | Soil | 19 | 0.18 | 77 | 0.050 | <1 | 1.18 | 0.008 | 0.04 | <0.1 | 0.03 | 1.9 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 0200-7525 | Soil | 9 | 0.11 | 29 | 0.036 | <1 | 0.37 | 0.008 | 0.03 | <0.1 | 0.02 | 1.2 | <0.1 | <0.05 | 1 | 0.6 | <0.2 |
| 0250-7025 | Soil | 19 | 0.19 | 55 | 0.059 | <1 | 1.65 | 0.008 | 0.04 | <0.1 | 0.02 | 2.1 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0250-7050 | Soil | 19 | 0.21 | 84 | 0.078 | <1 | 1.74 | 0.008 | 0.03 | <0.1 | 0.02 | 2.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0250-7075 | Soil | 20 | 0.22 | 66 | 0.075 | <1 | 1.65 | 0.008 | 0.04 | <0.1 | 0.03 | 2.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0250-7100 | Soil | 22 | 0.23 | 88 | 0.067 | <1 | 2.04 | 0.008 | 0.04 | 0.1 | 0.02 | 2.7 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 0250-7125 | Soil | 20 | 0.23 | 84 | 0.054 | <1 | 1.95 | 0.010 | 0.05 | 0.2 | 0.05 | 2.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0250-7150 | Soil | 19 | 0.23 | 74 | 0.056 | 1 | 2.37 | 0.008 | 0.05 | 0.1 | 0.05 | 2.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 0250-7175 | Soil | 21 | 0.23 | 87 | 0.058 | 1 | 2.51 | 0.009 | 0.04 | 0.1 | 0.06 | 2.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 0250-7200 | Soil | 17 | 0.21 | 63 | 0.068 | <1 | 1.36 | 0.008 | 0.03 | <0.1 | 0.02 | 2.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0250-7225 | Soil | 16 | 0.16 | 76 | 0.058 | <1 | 1.58 | 0.008 | 0.04 | 0.1 | 0.03 | 2.2 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0250-7250 | Soil | 18 | 0.22 | 67 | 0.063 | <1 | 1.69 | 0.008 | 0.04 | 0.1 | 0.03 | 2.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0250-7275 | Soil | 23 | 0.26 | 72 | 0.057 | 1 | 1.97 | 0.009 | 0.04 | 0.2 | 0.04 | 2.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0250-7300 | Soil | 16 | 0.19 | 68 | 0.057 | <1 | 1.55 | 0.008 | 0.04 | 0.1 | 0.03 | 2.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0250-7325 | Soil | 15 | 0.20 | 67 | 0.051 | <1 | 1.17 | 0.008 | 0.04 | <0.1 | 0.02 | 1.7 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0250-7350 | Soil | 16 | 0.14 | 62 | 0.040 | <1 | 1.30 | 0.007 | 0.03 | <0.1 | 0.03 | 1.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0250-7375 | Soil | 17 | 0.14 | 52 | 0.044 | 1 | 1.65 | 0.007 | 0.04 | <0.1 | 0.03 | 1.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0250-7400 | Soil | 23 | 0.18 | 79 | 0.053 | <1 | 1.77 | 0.007 | 0.03 | <0.1 | 0.02 | 2.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0250-7425 | Soil | 16 | 0.19 | 77 | 0.053 | <1 | 1.12 | 0.007 | 0.03 | <0.1 | 0.01 | 1.7 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 0250-7450 | Soil | 16 | 0.20 | 70 | 0.067 | <1 | 0.88 | 0.009 | 0.03 | <0.1 | 0.01 | 1.8 | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 0000-6925 | Soil | 16 | 0.18 | 70 | 0.068 | <1 | 1.48 | 0.009 | 0.03 | <0.1 | 0.02 | 2.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0000-6950 | Soil | 16 | 0.18 | 53 | 0.069 | <1 | 1.45 | 0.008 | 0.03 | 0.1 | 0.02 | 2.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0000-6975 | Soil | 15 | 0.15 | 49 | 0.058 | <1 | 0.97 | 0.007 | 0.03 | <0.1 | 0.01 | 1.7 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0000-7000 | Soil | 18 | 0.24 | 78 | 0.073 | <1 | 1.71 | 0.009 | 0.04 | 0.1 | 0.02 | 2.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0000-7025 | Soil | 16 | 0.21 | 63 | 0.069 | <1 | 1.77 | 0.009 | 0.03 | <0.1 | 0.03 | 2.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |



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Project: None Given
Report Date: August 14, 2018

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CERTIFICATE OF ANALYSIS

VAN18001760.1

| 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 | |
| 0000-7050 | Soil | 0.6 | 9.3 | 9.1 | 62 | <0.1 | 12.6 | 6.1 | 247 | 1.99 | 4.1 | 3.3 | 2.2 | 15 | <0.1 | 0.3 | 0.1 | 48 | 0.17 | 0.114 | 9 |
| 0000-7075 | Soil | 0.5 | 8.1 | 12.1 | 65 | <0.1 | 10.2 | 4.8 | 157 | 1.51 | 2.9 | 2.2 | 1.3 | 19 | <0.1 | 0.2 | 0.1 | 38 | 0.19 | 0.051 | 8 |
| 0000-7100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 0000-7125 | Soil | 0.6 | 9.3 | 13.6 | 92 | 0.2 | 11.7 | 5.5 | 137 | 1.66 | 3.3 | 1.4 | 2.0 | 13 | <0.1 | 0.3 | 0.1 | 41 | 0.13 | 0.079 | 9 |
| 0000-7150 | Soil | 0.7 | 9.1 | 11.0 | 54 | <0.1 | 10.6 | 6.2 | 264 | 2.10 | 4.8 | 2.3 | 2.4 | 13 | <0.1 | 0.4 | 0.1 | 53 | 0.15 | 0.086 | 8 |
| 0000-7175 | Soil | 0.7 | 9.3 | 9.8 | 99 | <0.1 | 11.8 | 6.2 | 233 | 2.16 | 6.0 | 1.5 | 2.6 | 10 | <0.1 | 0.4 | 0.1 | 49 | 0.11 | 0.166 | 8 |
| 0000-7200 | Soil | 0.7 | 7.2 | 10.9 | 102 | 0.2 | 8.2 | 5.8 | 368 | 1.80 | 4.0 | 2.1 | 2.2 | 11 | 0.1 | 0.3 | 0.1 | 43 | 0.12 | 0.192 | 7 |
| 0000-7225 | Soil | 0.7 | 8.5 | 12.2 | 122 | 0.3 | 9.8 | 5.9 | 309 | 1.82 | 2.9 | 9.0 | 2.3 | 14 | <0.1 | 0.2 | 0.1 | 45 | 0.13 | 0.159 | 8 |
| 0000-7250 | Soil | 0.6 | 5.7 | 9.8 | 86 | 0.3 | 6.2 | 4.2 | 460 | 1.52 | 1.6 | 5.3 | 1.7 | 14 | 0.1 | 0.2 | 0.1 | 40 | 0.13 | 0.128 | 8 |
| 0000-7275 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 0000-7300 | Soil | 0.8 | 6.4 | 14.8 | 154 | 0.3 | 7.7 | 5.8 | 829 | 1.81 | 2.4 | 3.0 | 1.8 | 13 | 0.2 | 0.2 | 0.2 | 47 | 0.14 | 0.189 | 10 |
| 0000-7325 | Soil | 0.5 | 7.8 | 9.4 | 57 | <0.1 | 9.7 | 5.3 | 180 | 1.89 | 4.3 | 2.1 | 2.7 | 9 | <0.1 | 0.4 | <0.1 | 52 | 0.10 | 0.078 | 8 |
| 0000-7350 | Soil | 0.6 | 8.2 | 11.5 | 98 | <0.1 | 12.6 | 7.1 | 434 | 2.27 | 4.2 | 1.7 | 2.8 | 12 | <0.1 | 0.4 | 0.1 | 59 | 0.13 | 0.101 | 8 |
| 0000-7375 | Soil | 0.6 | 7.0 | 10.9 | 85 | <0.1 | 10.4 | 6.0 | 299 | 2.03 | 4.3 | 2.1 | 2.4 | 12 | <0.1 | 0.4 | 0.1 | 54 | 0.14 | 0.106 | 8 |
| 0000-7400 | Soil | 0.5 | 12.7 | 8.7 | 36 | <0.1 | 12.9 | 7.2 | 179 | 2.50 | 5.6 | 0.7 | 3.0 | 16 | <0.1 | 0.5 | <0.1 | 70 | 0.16 | 0.042 | 9 |
| 0000-7425 | Soil | 0.6 | 7.4 | 9.7 | 59 | <0.1 | 10.4 | 6.0 | 246 | 2.48 | 5.0 | 1.8 | 2.6 | 12 | <0.1 | 0.4 | 0.1 | 68 | 0.13 | 0.140 | 8 |
| 0000-7450 | Soil | 0.5 | 6.1 | 9.9 | 127 | <0.1 | 8.5 | 5.9 | 290 | 2.16 | 3.9 | 1.1 | 2.5 | 13 | <0.1 | 0.3 | 0.1 | 54 | 0.15 | 0.159 | 8 |
| 0000-7475 | Soil | 1.0 | 21.6 | 19.8 | 433 | 0.3 | 17.8 | 8.6 | 1510 | 3.01 | 15.1 | 4.1 | 3.7 | 18 | 0.4 | 0.8 | 0.2 | 61 | 0.17 | 0.114 | 15 |
| 0000-7500 | Soil | 1.9 | 26.8 | 23.2 | 1269 | 0.3 | 15.2 | 11.8 | 3009 | 4.41 | 36.4 | 8.3 | 3.6 | 76 | 4.1 | 0.6 | 0.2 | 79 | 0.50 | 0.292 | 17 |
| 0050-6950 | Soil | 0.7 | 9.2 | 7.5 | 61 | 0.1 | 11.8 | 6.8 | 527 | 1.99 | 3.4 | 3.6 | 1.9 | 11 | <0.1 | 0.2 | <0.1 | 48 | 0.14 | 0.110 | 6 |
| 0050-6975 | Soil | 0.7 | 7.9 | 8.9 | 64 | 0.1 | 11.4 | 6.3 | 609 | 1.95 | 3.6 | 1.3 | 2.0 | 9 | 0.1 | 0.2 | 0.1 | 49 | 0.11 | 0.108 | 6 |
| 0050-7000 | Soil | 0.8 | 5.7 | 8.5 | 71 | 0.1 | 8.0 | 5.4 | 204 | 1.97 | 2.7 | 2.1 | 1.8 | 8 | <0.1 | 0.2 | 0.1 | 43 | 0.09 | 0.102 | 6 |
| 0050-7025 | Soil | 0.6 | 10.6 | 7.2 | 35 | <0.1 | 11.1 | 6.5 | 188 | 2.27 | 4.4 | 0.9 | 2.1 | 10 | <0.1 | 0.3 | 0.1 | 49 | 0.11 | 0.057 | 6 |
| 0050-7050 | Soil | 0.4 | 7.6 | 6.2 | 24 | <0.1 | 9.1 | 4.4 | 117 | 1.25 | 2.5 | 5.3 | 1.6 | 11 | <0.1 | 0.2 | <0.1 | 30 | 0.13 | 0.040 | 6 |
| 0050-7075 | Soil | 0.5 | 7.1 | 10.4 | 63 | 0.1 | 9.3 | 5.1 | 162 | 1.95 | 4.4 | 1.0 | 2.5 | 10 | <0.1 | 0.3 | 0.1 | 43 | 0.11 | 0.111 | 7 |
| 0050-7100 | Soil | 0.6 | 7.9 | 9.2 | 58 | 0.1 | 10.4 | 6.3 | 209 | 1.82 | 3.9 | 3.4 | 2.5 | 10 | <0.1 | 0.3 | <0.1 | 45 | 0.14 | 0.115 | 7 |
| 0050-7125 | Soil | 0.5 | 6.3 | 10.1 | 98 | 0.1 | 10.2 | 4.9 | 257 | 2.08 | 5.1 | 2.8 | 2.3 | 11 | 0.1 | 0.3 | 0.1 | 45 | 0.14 | 0.139 | 7 |
| 0050-7150 | Soil | 0.7 | 6.8 | 11.0 | 111 | 0.1 | 9.4 | 5.4 | 500 | 1.73 | 4.3 | 3.1 | 2.1 | 11 | 0.1 | 0.3 | 0.1 | 43 | 0.15 | 0.093 | 8 |
| 0050-7175 | Soil | 0.5 | 9.3 | 19.8 | 60 | <0.1 | 10.2 | 5.6 | 253 | 2.02 | 5.3 | 1.9 | 2.4 | 10 | <0.1 | 0.4 | 0.1 | 48 | 0.13 | 0.094 | 8 |
| 0050-7200 | Soil | 0.7 | 10.5 | 11.9 | 68 | 0.2 | 12.4 | 6.5 | 296 | 2.08 | 6.5 | 1.9 | 2.4 | 11 | 0.1 | 0.4 | 0.1 | 46 | 0.12 | 0.120 | 8 |



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CERTIFICATE OF ANALYSIS

VAN18001760.1

| 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 | 0.2 |
| 0000-7050 | Soil | 19 | 0.21 | 83 | 0.070 | <1 | 1.95 | 0.009 | 0.04 | <0.1 | 0.03 | 2.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0000-7075 | Soil | 16 | 0.22 | 89 | 0.066 | <1 | 1.52 | 0.011 | 0.05 | <0.1 | 0.02 | 2.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0000-7100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 0000-7125 | Soil | 17 | 0.21 | 87 | 0.078 | <1 | 1.84 | 0.011 | 0.03 | <0.1 | 0.04 | 2.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0000-7150 | Soil | 20 | 0.23 | 79 | 0.074 | <1 | 1.64 | 0.009 | 0.04 | 0.1 | 0.02 | 2.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0000-7175 | Soil | 20 | 0.23 | 70 | 0.044 | <1 | 2.24 | 0.008 | 0.04 | 0.1 | 0.04 | 2.4 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0000-7200 | Soil | 17 | 0.16 | 69 | 0.048 | <1 | 1.82 | 0.008 | 0.05 | <0.1 | 0.03 | 2.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0000-7225 | Soil | 18 | 0.23 | 100 | 0.031 | <1 | 1.95 | 0.009 | 0.05 | <0.1 | 0.03 | 2.3 | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| 0000-7250 | Soil | 17 | 0.14 | 85 | 0.032 | <1 | 1.39 | 0.010 | 0.04 | <0.1 | 0.04 | 1.6 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0000-7275 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 0000-7300 | Soil | 19 | 0.20 | 119 | 0.022 | <1 | 2.02 | 0.009 | 0.06 | <0.1 | 0.05 | 1.8 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |
| 0000-7325 | Soil | 19 | 0.18 | 71 | 0.045 | <1 | 1.26 | 0.007 | 0.04 | <0.1 | 0.02 | 1.8 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 0000-7350 | Soil | 23 | 0.25 | 101 | 0.039 | <1 | 1.80 | 0.007 | 0.05 | <0.1 | 0.02 | 2.0 | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| 0000-7375 | Soil | 19 | 0.21 | 67 | 0.042 | <1 | 1.51 | 0.008 | 0.04 | 0.1 | 0.03 | 2.0 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0000-7400 | Soil | 26 | 0.26 | 82 | 0.070 | <1 | 1.11 | 0.008 | 0.03 | <0.1 | <0.01 | 2.2 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 0000-7425 | Soil | 24 | 0.21 | 62 | 0.052 | <1 | 1.52 | 0.008 | 0.04 | <0.1 | 0.02 | 2.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0000-7450 | Soil | 20 | 0.18 | 84 | 0.038 | <1 | 1.59 | 0.007 | 0.04 | <0.1 | 0.02 | 2.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0000-7475 | Soil | 30 | 0.28 | 131 | 0.078 | <1 | 2.08 | 0.008 | 0.06 | <0.1 | 0.03 | 5.3 | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| 0000-7500 | Soil | 33 | 0.22 | 247 | 0.069 | <1 | 2.04 | 0.010 | 0.09 | 0.1 | 0.03 | 5.4 | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| 0050-6950 | Soil | 17 | 0.23 | 72 | 0.058 | <1 | 1.53 | 0.007 | 0.04 | 0.1 | 0.03 | 2.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0050-6975 | Soil | 17 | 0.21 | 75 | 0.083 | 2 | 1.39 | 0.008 | 0.03 | <0.1 | 0.03 | 2.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0050-7000 | Soil | 14 | 0.18 | 71 | 0.054 | 2 | 1.63 | 0.008 | 0.03 | 0.1 | 0.02 | 2.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0050-7025 | Soil | 17 | 0.30 | 87 | 0.058 | 3 | 1.47 | 0.010 | 0.03 | <0.1 | 0.01 | 2.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0050-7050 | Soil | 11 | 0.25 | 78 | 0.058 | 2 | 1.19 | 0.009 | 0.03 | <0.1 | 0.02 | 1.7 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 0050-7075 | Soil | 16 | 0.20 | 65 | 0.068 | 2 | 1.48 | 0.009 | 0.03 | <0.1 | 0.03 | 2.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0050-7100 | Soil | 16 | 0.23 | 60 | 0.070 | 1 | 1.58 | 0.008 | 0.04 | <0.1 | 0.01 | 2.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0050-7125 | Soil | 15 | 0.22 | 69 | 0.066 | <1 | 1.50 | 0.010 | 0.03 | 0.1 | 0.01 | 2.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0050-7150 | Soil | 15 | 0.21 | 73 | 0.068 | 1 | 1.40 | 0.009 | 0.03 | <0.1 | 0.01 | 2.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0050-7175 | Soil | 17 | 0.25 | 83 | 0.059 | 2 | 1.41 | 0.010 | 0.04 | <0.1 | 0.02 | 2.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0050-7200 | Soil | 17 | 0.28 | 60 | 0.054 | 1 | 1.88 | 0.008 | 0.04 | 0.1 | 0.03 | 2.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |



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CERTIFICATE OF ANALYSIS

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| 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 |
| 0050-7225 | Soil | 0.8 | 9.7 | 13.4 | 112 | 0.3 | 9.8 | 6.0 | 371 | 2.00 | 3.6 | 3.6 | 2.5 | 13 | <0.1 | 0.3 | 0.2 | 47 | 0.13 | 0.175 | 8 |
| 0050-7250 | Soil | 0.7 | 8.5 | 12.8 | 108 | 0.3 | 12.0 | 6.7 | 621 | 2.34 | 4.8 | 0.8 | 2.8 | 14 | <0.1 | 0.4 | 0.1 | 49 | 0.14 | 0.160 | 9 |
| 0050-7275 | Soil | 0.6 | 10.2 | 13.6 | 91 | 0.2 | 12.0 | 6.9 | 916 | 2.07 | 4.1 | 2.1 | 2.4 | 14 | 0.1 | 0.4 | 0.1 | 49 | 0.17 | 0.171 | 8 |
| 0050-7300 | Soil | 0.8 | 7.7 | 11.5 | 91 | 0.1 | 9.8 | 5.7 | 1096 | 1.89 | 3.9 | 3.7 | 2.1 | 14 | <0.1 | 0.3 | 0.1 | 44 | 0.15 | 0.092 | 9 |
| 0050-7325 | Soil | 0.8 | 7.4 | 12.8 | 158 | 0.1 | 10.5 | 7.4 | 1159 | 1.94 | 2.7 | 1.4 | 2.1 | 14 | 0.2 | 0.3 | 0.1 | 42 | 0.15 | 0.124 | 9 |
| 0050-7350 | Soil | 0.7 | 8.5 | 12.8 | 77 | 0.2 | 10.6 | 6.5 | 360 | 2.07 | 4.8 | 6.7 | 2.4 | 11 | <0.1 | 0.5 | 0.1 | 45 | 0.13 | 0.133 | 8 |
| 0050-7375 | Soil | 0.6 | 6.7 | 9.8 | 72 | 0.1 | 9.5 | 5.1 | 231 | 1.80 | 4.9 | 2.6 | 2.3 | 11 | 0.1 | 0.4 | <0.1 | 40 | 0.11 | 0.106 | 7 |
| 0050-7400 | Soil | 0.7 | 8.3 | 10.8 | 53 | <0.1 | 11.3 | 5.4 | 264 | 2.09 | 5.9 | 1.8 | 2.5 | 14 | <0.1 | 0.4 | 0.1 | 53 | 0.15 | 0.068 | 8 |
| 0050-7425 | Soil | 0.4 | 7.5 | 9.4 | 51 | <0.1 | 10.1 | 5.1 | 175 | 1.85 | 3.8 | 1.5 | 2.2 | 13 | <0.1 | 0.3 | 0.1 | 42 | 0.14 | 0.057 | 8 |
| 0050-7450 | Soil | 0.7 | 7.1 | 12.4 | 99 | 0.1 | 9.6 | 6.2 | 409 | 2.08 | 6.5 | 4.0 | 2.1 | 17 | 0.1 | 0.4 | 0.2 | 47 | 0.20 | 0.129 | 8 |
| 0050-7475 | Soil | 0.5 | 5.7 | 8.6 | 92 | <0.1 | 8.0 | 4.8 | 155 | 1.79 | 3.5 | 1.0 | 2.5 | 8 | 0.1 | 0.3 | 0.1 | 45 | 0.10 | 0.108 | 7 |
| 0050-7500 | Soil | 1.2 | 9.9 | 15.1 | 504 | 0.2 | 8.1 | 6.8 | 1440 | 2.55 | 8.2 | 7.9 | 2.3 | 20 | 1.1 | 0.4 | 0.2 | 44 | 0.20 | 0.175 | 8 |
| 1975-6850 | Soil | 0.5 | 7.8 | 9.7 | 47 | <0.1 | 11.3 | 5.9 | 206 | 2.00 | 6.8 | 5.3 | 2.5 | 10 | <0.1 | 0.4 | 0.1 | 50 | 0.12 | 0.073 | 6 |
| 2000-6850 | Soil | 0.6 | 5.6 | 10.2 | 64 | <0.1 | 6.9 | 5.3 | 792 | 1.89 | 4.3 | 4.6 | 1.9 | 10 | 0.1 | 0.3 | 0.2 | 45 | 0.13 | 0.082 | 7 |
| 2025-6850 | Soil | 0.6 | 6.5 | 11.8 | 72 | <0.1 | 8.4 | 6.9 | 300 | 2.08 | 5.9 | 2.1 | 2.3 | 10 | <0.1 | 0.3 | 0.2 | 45 | 0.11 | 0.139 | 7 |
| 2050-6850 | Soil | 0.5 | 7.9 | 8.6 | 72 | 0.1 | 9.8 | 5.6 | 407 | 2.04 | 5.0 | 1.2 | 2.1 | 9 | <0.1 | 0.3 | 0.1 | 46 | 0.12 | 0.081 | 6 |
| 2075-6850 | Soil | 0.5 | 10.1 | 8.6 | 50 | <0.1 | 10.7 | 6.0 | 240 | 2.19 | 5.3 | 0.9 | 2.4 | 9 | <0.1 | 0.4 | 0.1 | 49 | 0.10 | 0.078 | 6 |
| 2100-6850 | Soil | 0.4 | 6.8 | 7.7 | 49 | <0.1 | 8.1 | 5.1 | 280 | 1.90 | 3.8 | 3.6 | 2.1 | 8 | <0.1 | 0.3 | 0.1 | 47 | 0.10 | 0.058 | 6 |
| 2125-6850 | Soil | 0.6 | 5.9 | 7.7 | 65 | <0.1 | 8.7 | 5.9 | 413 | 1.88 | 2.9 | <0.5 | 1.9 | 8 | <0.1 | 0.3 | 0.1 | 40 | 0.10 | 0.088 | 6 |
| 2150-6850 | Soil | 0.7 | 4.4 | 7.8 | 58 | <0.1 | 5.9 | 5.9 | 395 | 1.82 | 2.9 | <0.5 | 1.7 | 8 | <0.1 | 0.2 | 0.1 | 42 | 0.10 | 0.103 | 6 |
| 2175-6850 | Soil | 0.5 | 10.9 | 6.9 | 43 | <0.1 | 9.9 | 5.8 | 226 | 1.98 | 5.7 | 1.2 | 2.4 | 11 | <0.1 | 0.4 | 0.1 | 47 | 0.15 | 0.070 | 6 |
| 2200-6850 | Soil | 1.0 | 7.3 | 11.6 | 93 | 0.1 | 9.3 | 7.9 | 843 | 2.05 | 4.9 | 2.6 | 3.6 | 9 | <0.1 | 0.3 | 0.2 | 40 | 0.10 | 0.219 | 7 |
| 2225-6850 | Soil | 1.1 | 12.2 | 9.6 | 97 | 0.1 | 16.6 | 8.9 | 740 | 2.68 | 5.2 | 0.8 | 3.0 | 15 | <0.1 | 0.4 | 0.2 | 56 | 0.15 | 0.097 | 9 |
| 2250-6850 | Soil | 0.8 | 10.0 | 8.1 | 114 | 0.1 | 15.4 | 7.4 | 293 | 2.66 | 5.1 | 1.2 | 2.2 | 14 | <0.1 | 0.3 | 0.2 | 59 | 0.17 | 0.116 | 6 |
| 2275-6850 | Soil | 0.6 | 9.4 | 8.9 | 59 | <0.1 | 10.2 | 5.5 | 191 | 1.93 | 6.4 | 7.6 | 3.1 | 10 | <0.1 | 0.4 | 0.2 | 44 | 0.12 | 0.087 | 7 |
| 2300-6850 | Soil | 0.7 | 5.8 | 8.3 | 61 | <0.1 | 10.3 | 6.2 | 569 | 2.42 | 4.1 | <0.5 | 1.7 | 12 | <0.1 | 0.2 | 0.1 | 61 | 0.12 | 0.066 | 6 |
| 2325-6850 | Soil | 1.0 | 7.0 | 9.0 | 75 | <0.1 | 13.2 | 8.5 | 351 | 1.90 | 2.4 | <0.5 | 2.1 | 12 | <0.1 | 0.2 | 0.2 | 45 | 0.12 | 0.102 | 7 |
| 2350-6850 | Soil | 0.6 | 5.6 | 6.8 | 61 | <0.1 | 10.3 | 5.9 | 269 | 2.04 | 2.9 | <0.5 | 1.6 | 10 | <0.1 | 0.2 | 0.1 | 59 | 0.12 | 0.061 | 5 |
| 2375-6850 | Soil | 0.7 | 12.2 | 7.4 | 41 | <0.1 | 13.6 | 7.2 | 214 | 2.24 | 5.7 | 1.2 | 2.0 | 9 | <0.1 | 0.3 | 0.1 | 59 | 0.11 | 0.086 | 6 |
| 2400-6850 | Soil | 0.7 | 7.0 | 8.3 | 62 | <0.1 | 10.9 | 7.7 | 249 | 2.19 | 3.8 | 0.6 | 2.1 | 10 | <0.1 | 0.2 | 0.1 | 53 | 0.12 | 0.164 | 6 |



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Project: None Given
Report Date: August 14, 2018

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CERTIFICATE OF ANALYSIS

VAN18001760.1

| 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 | |
| 0050-7225 | Soil | 19 | 0.27 | 88 | 0.019 | 1 | 2.04 | 0.009 | 0.06 | <0.1 | 0.04 | 2.2 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |
| 0050-7250 | Soil | 19 | 0.31 | 102 | 0.031 | 1 | 2.21 | 0.009 | 0.05 | <0.1 | 0.04 | 2.4 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 0050-7275 | Soil | 17 | 0.26 | 98 | 0.049 | 2 | 1.83 | 0.008 | 0.06 | <0.1 | 0.05 | 2.2 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 0050-7300 | Soil | 17 | 0.24 | 100 | 0.031 | 1 | 1.52 | 0.009 | 0.05 | <0.1 | 0.03 | 2.2 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0050-7325 | Soil | 17 | 0.32 | 92 | 0.028 | 1 | 1.94 | 0.013 | 0.05 | <0.1 | 0.04 | 2.2 | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| 0050-7350 | Soil | 17 | 0.25 | 67 | 0.041 | 1 | 1.47 | 0.009 | 0.04 | <0.1 | 0.03 | 1.9 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0050-7375 | Soil | 15 | 0.21 | 84 | 0.045 | <1 | 1.65 | 0.009 | 0.04 | 0.1 | 0.03 | 2.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0050-7400 | Soil | 18 | 0.22 | 98 | 0.041 | <1 | 1.53 | 0.007 | 0.04 | <0.1 | 0.03 | 1.9 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 0050-7425 | Soil | 17 | 0.22 | 82 | 0.037 | 1 | 1.33 | 0.007 | 0.04 | <0.1 | 0.02 | 1.7 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0050-7450 | Soil | 18 | 0.23 | 85 | 0.041 | 1 | 1.45 | 0.010 | 0.05 | <0.1 | 0.03 | 2.1 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 0050-7475 | Soil | 16 | 0.19 | 54 | 0.041 | <1 | 1.35 | 0.006 | 0.03 | <0.1 | 0.02 | 1.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0050-7500 | Soil | 20 | 0.21 | 167 | 0.056 | <1 | 1.37 | 0.008 | 0.05 | 0.1 | 0.02 | 2.7 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1975-6850 | Soil | 17 | 0.21 | 57 | 0.071 | 1 | 1.11 | 0.007 | 0.04 | 0.1 | 0.01 | 1.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2000-6850 | Soil | 17 | 0.14 | 56 | 0.069 | 1 | 1.10 | 0.006 | 0.03 | <0.1 | 0.01 | 1.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2025-6850 | Soil | 15 | 0.20 | 58 | 0.063 | <1 | 1.33 | 0.007 | 0.04 | <0.1 | 0.03 | 1.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2050-6850 | Soil | 16 | 0.21 | 54 | 0.061 | 1 | 1.43 | 0.007 | 0.04 | 0.1 | 0.02 | 2.1 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2075-6850 | Soil | 17 | 0.23 | 50 | 0.070 | <1 | 1.22 | 0.007 | 0.03 | 0.1 | 0.01 | 1.9 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 2100-6850 | Soil | 15 | 0.17 | 54 | 0.060 | <1 | 1.26 | 0.007 | 0.03 | <0.1 | 0.02 | 1.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2125-6850 | Soil | 14 | 0.19 | 59 | 0.049 | 1 | 1.50 | 0.007 | 0.03 | <0.1 | 0.02 | 1.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2150-6850 | Soil | 14 | 0.13 | 50 | 0.050 | <1 | 1.22 | 0.009 | 0.03 | <0.1 | 0.02 | 1.7 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2175-6850 | Soil | 15 | 0.28 | 55 | 0.056 | <1 | 1.38 | 0.007 | 0.03 | 0.1 | 0.01 | 2.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2200-6850 | Soil | 16 | 0.20 | 69 | 0.063 | <1 | 2.22 | 0.008 | 0.04 | 0.2 | 0.05 | 2.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2225-6850 | Soil | 21 | 0.26 | 100 | 0.062 | <1 | 2.33 | 0.008 | 0.04 | <0.1 | 0.02 | 3.4 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2250-6850 | Soil | 21 | 0.33 | 74 | 0.056 | <1 | 2.22 | 0.009 | 0.05 | 0.1 | 0.03 | 2.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2275-6850 | Soil | 18 | 0.18 | 54 | 0.074 | <1 | 1.30 | 0.007 | 0.03 | 0.1 | 0.02 | 2.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2300-6850 | Soil | 19 | 0.24 | 65 | 0.059 | <1 | 1.52 | 0.008 | 0.04 | 0.1 | 0.02 | 2.1 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2325-6850 | Soil | 19 | 0.18 | 79 | 0.067 | 1 | 1.71 | 0.010 | 0.03 | <0.1 | 0.02 | 2.2 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2350-6850 | Soil | 18 | 0.21 | 55 | 0.056 | 1 | 1.31 | 0.007 | 0.04 | <0.1 | 0.01 | 1.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2375-6850 | Soil | 20 | 0.26 | 83 | 0.065 | 1 | 1.61 | 0.008 | 0.03 | 0.1 | 0.02 | 2.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2400-6850 | Soil | 20 | 0.16 | 64 | 0.066 | 1 | 1.78 | 0.008 | 0.03 | 0.1 | 0.03 | 2.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |



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Project: None Given
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CERTIFICATE OF ANALYSIS

VAN18001760.1

| Method Analyte Unit MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | |
|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | 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 | |
| 2425-6850 | Soil | 0.5 | 8.0 | 8.2 | 51 | <0.1 | 11.2 | 6.1 | 526 | 2.06 | 4.0 | 57.1 | 1.5 | 11 | <0.1 | 0.2 | 0.1 | 58 | 0.13 | 0.048 | 6 |
| 2450-6850 | Soil | 0.6 | 10.4 | 7.5 | 36 | <0.1 | 11.8 | 6.2 | 155 | 2.00 | 5.5 | 2.2 | 2.2 | 9 | <0.1 | 0.3 | 0.1 | 55 | 0.10 | 0.077 | 6 |
| 2475-6850 | Soil | 0.5 | 13.8 | 6.7 | 38 | <0.1 | 12.6 | 6.8 | 263 | 2.30 | 6.0 | 0.6 | 2.3 | 10 | <0.1 | 0.3 | 0.1 | 63 | 0.15 | 0.079 | 6 |
| 2500-6850 | Soil | 0.8 | 8.4 | 8.6 | 68 | <0.1 | 11.4 | 6.3 | 385 | 2.26 | 4.4 | 1.7 | 2.0 | 11 | <0.1 | 0.3 | 0.1 | 55 | 0.10 | 0.142 | 6 |
| 2525-6850 | Soil | 1.0 | 8.0 | 8.5 | 60 | <0.1 | 11.1 | 6.3 | 222 | 2.12 | 4.0 | 1.6 | 2.7 | 9 | <0.1 | 0.2 | 0.2 | 50 | 0.10 | 0.150 | 6 |
| 2550-6850 | Soil | 0.7 | 7.3 | 8.3 | 71 | <0.1 | 9.8 | 6.3 | 192 | 1.93 | 3.0 | <0.5 | 2.1 | 8 | <0.1 | 0.2 | 0.1 | 46 | 0.09 | 0.112 | 6 |
| 2575-6850 | Soil | 0.7 | 9.5 | 7.7 | 74 | <0.1 | 11.7 | 7.6 | 216 | 2.11 | 3.8 | 2.5 | 2.2 | 11 | <0.1 | 0.2 | 0.1 | 50 | 0.14 | 0.103 | 7 |
| 2600-6850 | Soil | 0.8 | 7.8 | 9.9 | 48 | 0.1 | 10.9 | 6.2 | 466 | 1.61 | 3.6 | 1.8 | 1.2 | 35 | 0.1 | 0.2 | 0.2 | 44 | 0.35 | 0.032 | 8 |
| 2625-6850 | Soil | 0.3 | 10.9 | 6.5 | 32 | <0.1 | 9.8 | 5.1 | 155 | 1.58 | 3.1 | 1.5 | 2.0 | 19 | <0.1 | 0.2 | <0.1 | 45 | 0.21 | 0.046 | 8 |
| 2650-6850 | Soil | 0.3 | 6.2 | 6.8 | 28 | <0.1 | 8.0 | 4.9 | 241 | 1.28 | 2.3 | 1.7 | 2.0 | 22 | <0.1 | 0.2 | <0.1 | 41 | 0.29 | 0.034 | 8 |
| 2175-6900 | Soil | 0.7 | 12.2 | 7.0 | 75 | <0.1 | 14.5 | 6.6 | 223 | 1.97 | 3.9 | 0.7 | 2.0 | 18 | <0.1 | 0.2 | 0.1 | 52 | 0.22 | 0.073 | 7 |
| 2200-6900 | Soil | 0.9 | 13.7 | 9.1 | 102 | 0.2 | 14.5 | 7.0 | 431 | 2.39 | 4.9 | 27.8 | 2.2 | 18 | <0.1 | 0.2 | 0.2 | 59 | 0.18 | 0.106 | 9 |
| 2225-6900 | Soil | 1.3 | 13.2 | 8.5 | 101 | 0.2 | 15.4 | 10.0 | 1654 | 2.73 | 5.4 | 1.4 | 2.4 | 18 | 0.1 | 0.3 | 0.2 | 67 | 0.19 | 0.085 | 10 |
| 2250-6900 | Soil | 1.0 | 11.9 | 7.9 | 98 | 0.1 | 14.6 | 9.2 | 1197 | 2.47 | 4.4 | 1.8 | 2.5 | 15 | <0.1 | 0.3 | 0.2 | 58 | 0.16 | 0.087 | 9 |
| 2275-6900 | Soil | 0.6 | 6.3 | 9.1 | 79 | <0.1 | 9.2 | 5.7 | 226 | 1.80 | 3.7 | 3.2 | 2.4 | 10 | 0.1 | 0.2 | 0.2 | 42 | 0.11 | 0.125 | 7 |
| 2300-6900 | Soil | 0.8 | 9.8 | 8.4 | 45 | <0.1 | 12.8 | 6.8 | 213 | 1.94 | 4.9 | 0.8 | 2.9 | 12 | <0.1 | 0.3 | 0.2 | 48 | 0.10 | 0.076 | 7 |
| 2325-6900 | Soil | 0.7 | 8.6 | 9.5 | 63 | <0.1 | 10.9 | 6.0 | 312 | 2.20 | 7.6 | 2.6 | 3.2 | 10 | <0.1 | 0.4 | 0.2 | 54 | 0.11 | 0.105 | 7 |
| 2350-6900 | Soil | 0.6 | 9.5 | 8.1 | 55 | <0.1 | 13.2 | 6.8 | 237 | 2.16 | 5.3 | 1.3 | 2.0 | 13 | <0.1 | 0.3 | 0.1 | 56 | 0.14 | 0.068 | 6 |
| 2375-6900 | Soil | 0.5 | 8.6 | 6.9 | 60 | <0.1 | 13.3 | 6.5 | 317 | 2.29 | 4.3 | 1.4 | 1.8 | 13 | <0.1 | 0.2 | 0.1 | 59 | 0.14 | 0.081 | 6 |
| 2400-6900 | Soil | 0.7 | 11.5 | 8.0 | 44 | <0.1 | 13.0 | 6.7 | 199 | 2.17 | 5.6 | 1.5 | 2.3 | 13 | <0.1 | 0.3 | 0.1 | 55 | 0.13 | 0.103 | 7 |
| 2425-6900 | Soil | 0.7 | 7.7 | 8.6 | 63 | <0.1 | 10.2 | 5.8 | 370 | 1.91 | 4.1 | 30.9 | 2.1 | 10 | <0.1 | 0.2 | 0.1 | 49 | 0.11 | 0.098 | 7 |
| 2450-6900 | Soil | 0.8 | 7.9 | 8.6 | 56 | <0.1 | 10.8 | 6.4 | 186 | 2.01 | 4.0 | 8.3 | 2.0 | 9 | <0.1 | 0.2 | 0.1 | 48 | 0.09 | 0.127 | 6 |
| 2475-6900 | Soil | 0.6 | 7.0 | 7.3 | 53 | <0.1 | 10.5 | 5.8 | 512 | 2.22 | 3.6 | 0.9 | 1.8 | 9 | <0.1 | 0.2 | 0.1 | 58 | 0.11 | 0.088 | 6 |
| 2500-6900 | Soil | 0.4 | 5.9 | 7.0 | 32 | <0.1 | 6.9 | 4.1 | 134 | 1.47 | 2.9 | 11.4 | 1.9 | 15 | <0.1 | 0.2 | 0.1 | 44 | 0.16 | 0.040 | 7 |
| 2525-6900 | Soil | 0.9 | 13.5 | 7.7 | 42 | <0.1 | 17.1 | 9.6 | 161 | 2.58 | 6.2 | 5.5 | 2.7 | 16 | <0.1 | 0.4 | 0.1 | 61 | 0.15 | 0.097 | 7 |
| 2550-6900 | Soil | 0.6 | 11.8 | 7.0 | 42 | <0.1 | 12.1 | 6.6 | 253 | 2.27 | 5.6 | 0.7 | 2.0 | 12 | <0.1 | 0.3 | 0.1 | 60 | 0.15 | 0.104 | 6 |
| 2575-6900 | Soil | 0.6 | 5.5 | 8.9 | 82 | 0.1 | 8.6 | 6.3 | 330 | 2.28 | 3.7 | 3.9 | 1.9 | 9 | <0.1 | 0.2 | 0.1 | 54 | 0.11 | 0.171 | 6 |
| 2600-6900 | Soil | 1.1 | 11.0 | 8.2 | 49 | <0.1 | 12.9 | 7.3 | 199 | 2.34 | 5.4 | 1.6 | 2.1 | 17 | <0.1 | 0.3 | 0.1 | 58 | 0.19 | 0.121 | 7 |
| 2625-6900 | Soil | 1.2 | 7.4 | 10.2 | 50 | 0.1 | 10.5 | 9.7 | 821 | 2.61 | 6.2 | 8.6 | 2.3 | 51 | 0.2 | 0.3 | 0.2 | 71 | 0.62 | 0.067 | 9 |
| 2650-6900 | Soil | 1.1 | 10.8 | 10.5 | 44 | <0.1 | 11.5 | 5.5 | 523 | 1.76 | 3.0 | 0.7 | 1.5 | 57 | 0.2 | 0.3 | 0.2 | 51 | 0.59 | 0.057 | 10 |



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| 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 | |
| 2425-6850 | Soil | 18 | 0.22 | 57 | 0.057 | 1 | 1.35 | 0.008 | 0.03 | <0.1 | 0.02 | 2.0 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2450-6850 | Soil | 20 | 0.22 | 63 | 0.070 | <1 | 1.37 | 0.007 | 0.03 | 0.1 | 0.02 | 2.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2475-6850 | Soil | 20 | 0.27 | 55 | 0.071 | <1 | 1.10 | 0.007 | 0.03 | 0.1 | <0.01 | 2.2 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 2500-6850 | Soil | 19 | 0.17 | 83 | 0.064 | <1 | 1.83 | 0.007 | 0.03 | 0.1 | 0.04 | 2.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2525-6850 | Soil | 19 | 0.17 | 60 | 0.073 | <1 | 1.78 | 0.008 | 0.03 | 0.1 | 0.04 | 2.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2550-6850 | Soil | 17 | 0.17 | 56 | 0.073 | <1 | 1.53 | 0.007 | 0.03 | <0.1 | 0.03 | 2.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2575-6850 | Soil | 19 | 0.22 | 64 | 0.067 | <1 | 1.41 | 0.011 | 0.04 | 0.1 | 0.02 | 2.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2600-6850 | Soil | 19 | 0.22 | 146 | 0.049 | <1 | 1.56 | 0.018 | 0.05 | <0.1 | 0.03 | 2.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2625-6850 | Soil | 17 | 0.27 | 69 | 0.086 | <1 | 0.99 | 0.013 | 0.03 | <0.1 | <0.01 | 2.4 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 2650-6850 | Soil | 16 | 0.22 | 53 | 0.096 | <1 | 0.73 | 0.020 | 0.03 | <0.1 | 0.01 | 2.5 | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 2175-6900 | Soil | 20 | 0.29 | 88 | 0.066 | <1 | 1.45 | 0.010 | 0.04 | 0.1 | 0.01 | 2.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2200-6900 | Soil | 22 | 0.26 | 82 | 0.069 | 1 | 2.02 | 0.010 | 0.04 | <0.1 | 0.02 | 3.2 | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| 2225-6900 | Soil | 24 | 0.28 | 83 | 0.064 | <1 | 1.94 | 0.009 | 0.04 | 0.1 | 0.02 | 3.1 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2250-6900 | Soil | 22 | 0.26 | 75 | 0.068 | <1 | 1.78 | 0.009 | 0.04 | 0.1 | 0.02 | 3.0 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2275-6900 | Soil | 17 | 0.13 | 63 | 0.069 | <1 | 1.42 | 0.008 | 0.03 | 0.1 | 0.02 | 2.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2300-6900 | Soil | 21 | 0.22 | 100 | 0.091 | <1 | 1.63 | 0.008 | 0.03 | <0.1 | 0.02 | 2.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2325-6900 | Soil | 20 | 0.19 | 58 | 0.085 | <1 | 1.56 | 0.009 | 0.03 | 0.1 | 0.02 | 2.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2350-6900 | Soil | 19 | 0.25 | 77 | 0.074 | <1 | 1.68 | 0.008 | 0.04 | 0.1 | 0.02 | 2.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2375-6900 | Soil | 20 | 0.25 | 75 | 0.067 | <1 | 1.46 | 0.008 | 0.04 | 0.2 | 0.01 | 2.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2400-6900 | Soil | 21 | 0.22 | 73 | 0.080 | <1 | 1.49 | 0.008 | 0.04 | 0.1 | 0.03 | 2.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2425-6900 | Soil | 18 | 0.16 | 58 | 0.077 | <1 | 1.43 | 0.009 | 0.03 | 0.1 | 0.02 | 2.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2450-6900 | Soil | 18 | 0.17 | 65 | 0.066 | <1 | 1.59 | 0.007 | 0.03 | 0.1 | 0.02 | 2.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2475-6900 | Soil | 19 | 0.19 | 64 | 0.064 | <1 | 1.31 | 0.007 | 0.03 | 0.1 | 0.02 | 1.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2500-6900 | Soil | 15 | 0.17 | 56 | 0.083 | <1 | 0.86 | 0.010 | 0.03 | 0.1 | 0.01 | 1.9 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 2525-6900 | Soil | 25 | 0.26 | 94 | 0.078 | <1 | 2.09 | 0.010 | 0.04 | 0.1 | 0.02 | 3.7 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2550-6900 | Soil | 19 | 0.27 | 74 | 0.063 | <1 | 1.31 | 0.008 | 0.03 | 0.1 | 0.02 | 2.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2575-6900 | Soil | 18 | 0.16 | 64 | 0.056 | <1 | 1.50 | 0.007 | 0.03 | 0.1 | 0.03 | 2.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2600-6900 | Soil | 20 | 0.25 | 80 | 0.081 | <1 | 1.42 | 0.010 | 0.05 | 0.1 | 0.02 | 2.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2625-6900 | Soil | 24 | 0.26 | 138 | 0.085 | <1 | 1.76 | 0.018 | 0.06 | 0.1 | 0.03 | 3.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2650-6900 | Soil | 19 | 0.19 | 114 | 0.068 | <1 | 1.68 | 0.014 | 0.05 | 0.1 | 0.04 | 3.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |



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Client: **Rebekah Antkow**
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Prince George British Columbia V2N 4Y9 Canada

Project: None Given
Report Date: August 14, 2018

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN18001760.1

| Method | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | |
| Analyte | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| 2212-6850 | Soil | 0.6 | 11.2 | 8.8 | 61 | <0.1 | 13.7 | 4.8 | 280 | 1.88 | 5.4 | 0.7 | 2.3 | 17 | <0.1 | 0.3 | 0.1 | 47 | 0.19 | 0.070 | 7 |



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Project: None Given
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Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN18001760.1

| Method | AQ201 | | | | | | | | | | | | | | | | |
|-----------|-------|------|------|-------|-------|------|-------|-------|------|------|------|-----|------|-------|-----|------|------|
| | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te | |
| Analyte | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| 2212-6850 | Soil | 19 | 0.27 | 77 | 0.084 | <1 | 1.36 | 0.010 | 0.04 | 0.1 | 0.02 | 2.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |



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Submitted By: Ben Rozek
Receiving Lab: Canada-Vancouver
Received: July 17, 2018
Report Date: August 14, 2018
Page: 1 of 7

CERTIFICATE OF ANALYSIS

VAN18001761.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 169

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: Ben Rozek
976 Ryder Drive
Kelowna British Columbia V1Y 7T5
Canada

CC: Rebekah Antkow
Andrew Davis
Jane Rozek
Dave Rozek

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|--|--------------|---------------|-----|
| DY060 | 168 | Dry at 60C | | | VAN |
| SS80 | 168 | Dry at 60C sieve 100g to -80 mesh | | | VAN |
| AQ201 | 168 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15 | Completed | VAN |
| DISPL | 168 | Disposal of pulps | | | VAN |

ADDITIONAL COMMENTS


KERRY JAY
Geochem Project Specialist

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



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Project: None Given
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Page: 2 of 7

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN18001761.1

| 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 | 0.1 | 0.01 | 0.001 | 1 | |
| 1975-6700 | Soil | 0.6 | 9.2 | 8.5 | 63 | 0.1 | 10.7 | 6.1 | 323 | 2.38 | 4.6 | 3.3 | 2.3 | 11 | <0.1 | 0.3 | 0.2 | 59 | 0.14 | 0.125 | 7 |
| 2000-6700 | Soil | 0.6 | 9.9 | 9.3 | 51 | 0.1 | 10.6 | 5.2 | 185 | 2.15 | 5.0 | 4.1 | 2.7 | 10 | 0.1 | 0.4 | 0.2 | 48 | 0.11 | 0.087 | 8 |
| 2025-6700 | Soil | 0.7 | 12.5 | 9.5 | 57 | <0.1 | 12.4 | 5.7 | 317 | 2.20 | 6.7 | 15.5 | 2.6 | 12 | 0.1 | 0.4 | 0.2 | 51 | 0.12 | 0.079 | 7 |
| 2050-6700 | Soil | 0.9 | 9.9 | 11.7 | 85 | <0.1 | 13.5 | 7.5 | 567 | 2.37 | 5.8 | 3.1 | 2.6 | 12 | 0.1 | 0.3 | 0.2 | 49 | 0.14 | 0.125 | 8 |
| 2075-6700 | Soil | 0.5 | 12.4 | 8.6 | 46 | <0.1 | 11.8 | 5.5 | 345 | 2.17 | 6.8 | 21.6 | 2.7 | 11 | <0.1 | 0.4 | 0.1 | 48 | 0.14 | 0.058 | 7 |
| 2100-6700 | Soil | 0.7 | 14.8 | 8.6 | 67 | 0.1 | 14.1 | 7.2 | 354 | 2.70 | 5.5 | 1.4 | 2.6 | 15 | <0.1 | 0.3 | 0.1 | 69 | 0.18 | 0.106 | 8 |
| 2125-6700 | Soil | 0.5 | 10.5 | 9.5 | 48 | <0.1 | 11.0 | 5.8 | 303 | 2.02 | 5.5 | 6.8 | 2.5 | 13 | <0.1 | 0.3 | 0.2 | 46 | 0.15 | 0.088 | 7 |
| 2150-6700 | Soil | 0.8 | 8.8 | 10.5 | 46 | <0.1 | 10.5 | 5.7 | 206 | 2.04 | 8.7 | 0.9 | 3.5 | 14 | <0.1 | 0.4 | 0.2 | 46 | 0.14 | 0.050 | 8 |
| 2175-6700 | Soil | 0.8 | 6.8 | 10.8 | 80 | 0.1 | 11.3 | 5.6 | 433 | 2.27 | 4.8 | 0.8 | 2.4 | 11 | 0.1 | 0.3 | 0.2 | 48 | 0.12 | 0.102 | 7 |
| 2200-6700 | Soil | 0.8 | 9.8 | 11.6 | 101 | 0.1 | 12.7 | 7.1 | 433 | 3.00 | 3.8 | <0.5 | 2.2 | 12 | <0.1 | 0.3 | 0.1 | 71 | 0.16 | 0.114 | 7 |
| 2225-6700 | Soil | 1.0 | 11.3 | 9.0 | 64 | <0.1 | 16.4 | 6.9 | 438 | 2.72 | 5.7 | <0.5 | 2.2 | 13 | 0.2 | 0.3 | 0.2 | 64 | 0.17 | 0.093 | 6 |
| 2250-6700 | Soil | 0.8 | 8.1 | 9.5 | 75 | <0.1 | 14.1 | 6.6 | 465 | 2.39 | 4.5 | 1.9 | 2.5 | 13 | <0.1 | 0.2 | 0.2 | 52 | 0.16 | 0.098 | 7 |
| 2275-6700 | Soil | 0.7 | 8.5 | 8.8 | 66 | <0.1 | 13.1 | 6.6 | 329 | 2.19 | 4.5 | 13.9 | 2.6 | 14 | <0.1 | 0.3 | 0.2 | 53 | 0.15 | 0.079 | 7 |
| 2300-6700 | Soil | 0.7 | 7.9 | 8.6 | 68 | <0.1 | 13.3 | 6.1 | 291 | 2.04 | 3.6 | 0.6 | 2.6 | 14 | <0.1 | 0.2 | 0.2 | 48 | 0.14 | 0.071 | 7 |
| 2325-6700 | Soil | 0.6 | 8.0 | 9.7 | 77 | <0.1 | 12.0 | 6.4 | 404 | 2.14 | 3.1 | <0.5 | 2.6 | 13 | <0.1 | 0.2 | 0.2 | 44 | 0.14 | 0.110 | 8 |
| 2350-6700 | Soil | 0.8 | 11.8 | 10.2 | 150 | 0.1 | 12.8 | 6.9 | 293 | 2.30 | 3.0 | <0.5 | 2.5 | 11 | 0.1 | 0.2 | 0.1 | 50 | 0.13 | 0.115 | 7 |
| 2375-6700 | Soil | 0.5 | 8.2 | 7.3 | 61 | <0.1 | 10.8 | 5.7 | 349 | 2.14 | 3.3 | <0.5 | 1.8 | 12 | <0.1 | 0.2 | 0.1 | 55 | 0.17 | 0.069 | 7 |
| 2400-6700 | Soil | 0.7 | 9.5 | 8.8 | 66 | <0.1 | 12.5 | 6.3 | 304 | 2.36 | 4.6 | 0.8 | 2.4 | 12 | <0.1 | 0.3 | 0.1 | 58 | 0.14 | 0.126 | 7 |
| 2425-6700 | Soil | 0.6 | 9.2 | 7.2 | 36 | <0.1 | 12.8 | 5.7 | 183 | 1.93 | 4.5 | <0.5 | 2.3 | 18 | <0.1 | 0.2 | 0.1 | 45 | 0.15 | 0.067 | 8 |
| 2450-6700 | Soil | 0.7 | 11.2 | 7.9 | 57 | 0.1 | 14.1 | 6.9 | 251 | 2.61 | 4.9 | 1.6 | 2.4 | 12 | <0.1 | 0.3 | 0.1 | 61 | 0.15 | 0.133 | 7 |
| 2475-6700 | Soil | 0.8 | 10.1 | 8.4 | 56 | <0.1 | 13.6 | 6.9 | 542 | 2.14 | 5.2 | 1.8 | 2.5 | 13 | <0.1 | 0.3 | 0.1 | 51 | 0.14 | 0.094 | 7 |
| 2500-6700 | Soil | 0.8 | 8.8 | 10.8 | 77 | <0.1 | 12.1 | 7.0 | 197 | 2.40 | 4.4 | 1.6 | 2.5 | 15 | <0.1 | 0.2 | 0.2 | 52 | 0.16 | 0.126 | 8 |
| 2525-6700 | Soil | 0.6 | 12.3 | 8.5 | 49 | <0.1 | 12.5 | 6.1 | 197 | 2.22 | 5.4 | 1.8 | 2.5 | 13 | <0.1 | 0.3 | 0.1 | 52 | 0.13 | 0.070 | 9 |
| 2550-6700 | Soil | 0.7 | 12.7 | 8.3 | 59 | <0.1 | 13.1 | 6.8 | 348 | 2.22 | 4.4 | 1.8 | 2.3 | 13 | <0.1 | 0.3 | 0.1 | 52 | 0.15 | 0.090 | 7 |
| 2575-6700 | Soil | 0.6 | 8.5 | 8.1 | 70 | <0.1 | 10.7 | 5.7 | 334 | 2.00 | 3.7 | <0.5 | 2.1 | 12 | <0.1 | 0.2 | 0.1 | 45 | 0.14 | 0.086 | 7 |
| 2600-6700 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 2625-6700 | Soil | 0.8 | 9.3 | 8.4 | 72 | <0.1 | 13.2 | 7.4 | 253 | 2.64 | 4.1 | 2.3 | 2.0 | 14 | <0.1 | 0.3 | 0.1 | 62 | 0.16 | 0.127 | 7 |
| 2650-6700 | Soil | 0.5 | 6.3 | 9.1 | 42 | <0.1 | 8.6 | 4.0 | 106 | 1.45 | 2.2 | <0.5 | 1.6 | 17 | <0.1 | 0.1 | 0.2 | 42 | 0.16 | 0.057 | 7 |
| 1975-6750 | Soil | 0.6 | 8.6 | 9.4 | 59 | <0.1 | 10.1 | 5.3 | 330 | 2.19 | 4.3 | 1.6 | 2.4 | 9 | 0.1 | 0.3 | 0.1 | 52 | 0.12 | 0.091 | 7 |
| 2000-6750 | Soil | 0.6 | 10.9 | 9.6 | 44 | <0.1 | 11.5 | 5.6 | 190 | 2.08 | 5.9 | 1.8 | 2.8 | 12 | <0.1 | 0.4 | 0.1 | 50 | 0.14 | 0.065 | 7 |



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Project: None Given
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Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN18001761.1

| 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 | |
| 1975-6700 | Soil | 19 | 0.23 | 62 | 0.073 | <1 | 1.79 | 0.009 | 0.04 | 0.1 | 0.02 | 2.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2000-6700 | Soil | 18 | 0.22 | 56 | 0.080 | 1 | 1.52 | 0.008 | 0.04 | 0.1 | 0.02 | 2.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2025-6700 | Soil | 20 | 0.22 | 59 | 0.093 | 2 | 1.83 | 0.008 | 0.04 | 0.1 | 0.02 | 2.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2050-6700 | Soil | 19 | 0.22 | 80 | 0.097 | <1 | 1.83 | 0.010 | 0.05 | 0.2 | 0.02 | 2.6 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2075-6700 | Soil | 18 | 0.21 | 57 | 0.089 | <1 | 1.30 | 0.009 | 0.04 | <0.1 | 0.01 | 2.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2100-6700 | Soil | 22 | 0.35 | 80 | 0.075 | <1 | 2.18 | 0.010 | 0.06 | 0.1 | 0.03 | 3.2 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2125-6700 | Soil | 19 | 0.19 | 70 | 0.082 | <1 | 1.56 | 0.008 | 0.03 | 0.1 | 0.02 | 2.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2150-6700 | Soil | 19 | 0.18 | 65 | 0.093 | <1 | 1.70 | 0.009 | 0.04 | 0.1 | 0.02 | 2.1 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2175-6700 | Soil | 18 | 0.18 | 58 | 0.088 | <1 | 1.80 | 0.007 | 0.03 | 0.2 | 0.02 | 2.3 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2200-6700 | Soil | 25 | 0.26 | 66 | 0.078 | <1 | 2.42 | 0.009 | 0.04 | 0.1 | 0.04 | 3.1 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 2225-6700 | Soil | 22 | 0.27 | 104 | 0.086 | <1 | 2.27 | 0.010 | 0.04 | 0.1 | 0.04 | 2.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2250-6700 | Soil | 22 | 0.22 | 87 | 0.101 | <1 | 2.06 | 0.007 | 0.05 | <0.1 | 0.02 | 2.5 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2275-6700 | Soil | 20 | 0.23 | 89 | 0.101 | <1 | 1.94 | 0.008 | 0.04 | <0.1 | 0.03 | 2.5 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2300-6700 | Soil | 19 | 0.21 | 106 | 0.088 | 1 | 1.94 | 0.009 | 0.04 | <0.1 | 0.02 | 2.7 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2325-6700 | Soil | 18 | 0.22 | 81 | 0.084 | <1 | 1.81 | 0.008 | 0.04 | 0.2 | 0.03 | 2.2 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2350-6700 | Soil | 19 | 0.25 | 87 | 0.081 | <1 | 2.32 | 0.009 | 0.04 | <0.1 | 0.04 | 2.8 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2375-6700 | Soil | 18 | 0.22 | 66 | 0.062 | <1 | 1.70 | 0.009 | 0.03 | 0.1 | <0.01 | 2.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2400-6700 | Soil | 20 | 0.22 | 64 | 0.079 | <1 | 2.14 | 0.008 | 0.04 | 0.1 | 0.04 | 2.6 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2425-6700 | Soil | 20 | 0.23 | 101 | 0.084 | <1 | 1.51 | 0.009 | 0.03 | <0.1 | 0.02 | 3.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2450-6700 | Soil | 22 | 0.26 | 74 | 0.080 | <1 | 1.91 | 0.007 | 0.04 | 0.1 | 0.03 | 2.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2475-6700 | Soil | 21 | 0.24 | 82 | 0.101 | <1 | 1.88 | 0.008 | 0.05 | 0.1 | 0.03 | 2.5 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2500-6700 | Soil | 19 | 0.18 | 79 | 0.090 | <1 | 2.18 | 0.009 | 0.05 | 0.1 | 0.02 | 2.9 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 2525-6700 | Soil | 19 | 0.29 | 83 | 0.092 | <1 | 1.55 | 0.008 | 0.04 | 0.1 | 0.02 | 3.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2550-6700 | Soil | 20 | 0.21 | 82 | 0.092 | <1 | 1.68 | 0.008 | 0.04 | <0.1 | 0.03 | 2.8 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2575-6700 | Soil | 17 | 0.22 | 75 | 0.077 | <1 | 1.80 | 0.009 | 0.04 | 0.1 | 0.02 | 2.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2600-6700 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| 2625-6700 | Soil | 22 | 0.27 | 71 | 0.071 | <1 | 2.12 | 0.008 | 0.05 | 0.1 | 0.03 | 2.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2650-6700 | Soil | 16 | 0.16 | 77 | 0.087 | <1 | 1.54 | 0.009 | 0.03 | <0.1 | 0.03 | 2.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1975-6750 | Soil | 17 | 0.18 | 54 | 0.071 | <1 | 1.49 | 0.008 | 0.03 | 0.1 | 0.02 | 2.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2000-6750 | Soil | 18 | 0.22 | 75 | 0.080 | <1 | 1.72 | 0.009 | 0.03 | 0.1 | 0.02 | 2.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |



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CERTIFICATE OF ANALYSIS

VAN18001761.1

| 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 | 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 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| 2025-6750 | Soil | 0.6 | 11.9 | 8.3 | 41 | <0.1 | 10.0 | 5.7 | 144 | 1.81 | 6.5 | 1.6 | 3.8 | 13 | <0.1 | 0.4 | 0.2 | 46 | 0.14 | 0.066 | 10 |
| 2050-6750 | Soil | 0.6 | 9.1 | 9.9 | 63 | 0.1 | 10.4 | 5.9 | 283 | 2.13 | 7.0 | <0.5 | 2.7 | 11 | <0.1 | 0.3 | 0.2 | 54 | 0.14 | 0.103 | 7 |
| 2075-6750 | Soil | 0.6 | 9.4 | 8.4 | 73 | <0.1 | 11.3 | 6.2 | 216 | 2.22 | 4.5 | 1.2 | 2.8 | 10 | <0.1 | 0.3 | 0.1 | 56 | 0.13 | 0.101 | 8 |
| 2100-6750 | Soil | 0.6 | 9.8 | 8.7 | 53 | <0.1 | 10.8 | 5.5 | 194 | 2.06 | 4.9 | 1.0 | 2.7 | 10 | <0.1 | 0.3 | 0.1 | 48 | 0.11 | 0.073 | 7 |
| 2125-6750 | Soil | 0.6 | 10.5 | 8.8 | 49 | <0.1 | 12.7 | 6.7 | 387 | 2.12 | 6.8 | 1.5 | 3.9 | 11 | <0.1 | 0.4 | 0.2 | 49 | 0.13 | 0.078 | 7 |
| 2150-6750 | Soil | 0.8 | 9.8 | 9.4 | 57 | <0.1 | 12.5 | 6.0 | 281 | 2.10 | 5.4 | 0.8 | 3.3 | 12 | <0.1 | 0.3 | 0.2 | 46 | 0.15 | 0.100 | 8 |
| 2175-6750 | Soil | 0.8 | 9.6 | 9.3 | 70 | 0.1 | 11.5 | 6.1 | 598 | 2.11 | 5.1 | <0.5 | 3.3 | 10 | <0.1 | 0.3 | 0.2 | 46 | 0.12 | 0.139 | 7 |
| 2200-6750 | Soil | 1.0 | 9.3 | 10.7 | 70 | 0.1 | 11.3 | 6.9 | 668 | 2.33 | 4.7 | 2.1 | 3.0 | 14 | <0.1 | 0.3 | 0.2 | 55 | 0.16 | 0.083 | 8 |
| 2225-6750 | Soil | 0.9 | 11.9 | 9.7 | 84 | <0.1 | 16.5 | 8.9 | 392 | 3.64 | 5.8 | 0.9 | 3.0 | 16 | <0.1 | 0.3 | 0.2 | 97 | 0.17 | 0.137 | 8 |
| 2250-6750 | Soil | 0.8 | 7.3 | 12.4 | 121 | 0.1 | 7.8 | 5.7 | 457 | 2.81 | 4.5 | <0.5 | 2.3 | 14 | 0.1 | 0.3 | 0.2 | 71 | 0.16 | 0.279 | 7 |
| 2275-6750 | Soil | 0.7 | 8.2 | 10.4 | 71 | <0.1 | 10.9 | 6.8 | 549 | 2.31 | 5.1 | <0.5 | 2.9 | 13 | 0.1 | 0.3 | 0.2 | 57 | 0.15 | 0.118 | 8 |
| 2300-6750 | Soil | 0.6 | 12.0 | 9.4 | 100 | 0.1 | 10.6 | 6.9 | 559 | 2.18 | 3.8 | <0.5 | 3.0 | 14 | 0.1 | 0.2 | 0.2 | 48 | 0.16 | 0.166 | 9 |
| 2325-6750 | Soil | 0.8 | 8.5 | 9.9 | 73 | <0.1 | 12.1 | 8.1 | 808 | 2.72 | 3.6 | <0.5 | 2.4 | 15 | <0.1 | 0.2 | 0.2 | 68 | 0.19 | 0.227 | 7 |
| 2350-6750 | Soil | 0.7 | 13.0 | 9.1 | 60 | <0.1 | 14.6 | 7.8 | 556 | 2.90 | 6.3 | 0.6 | 2.4 | 16 | <0.1 | 0.4 | 0.1 | 78 | 0.18 | 0.107 | 7 |
| 2375-6750 | Soil | 0.8 | 6.9 | 10.4 | 69 | <0.1 | 11.5 | 6.4 | 216 | 2.13 | 4.6 | <0.5 | 2.9 | 14 | <0.1 | 0.2 | 0.2 | 52 | 0.14 | 0.108 | 8 |
| 2400-6750 | Soil | 0.7 | 7.3 | 10.3 | 79 | <0.1 | 10.8 | 6.2 | 338 | 2.13 | 4.4 | <0.5 | 3.1 | 12 | <0.1 | 0.3 | 0.2 | 52 | 0.13 | 0.105 | 8 |
| 2425-6750 | Soil | 0.8 | 8.0 | 10.2 | 59 | <0.1 | 12.3 | 6.5 | 383 | 2.18 | 4.6 | <0.5 | 3.4 | 15 | <0.1 | 0.3 | 0.2 | 48 | 0.15 | 0.102 | 9 |
| 2450-6750 | Soil | 0.8 | 7.4 | 9.1 | 69 | <0.1 | 11.8 | 6.3 | 331 | 1.91 | 3.8 | 0.5 | 3.0 | 12 | <0.1 | 0.2 | 0.2 | 43 | 0.13 | 0.112 | 7 |
| 2475-6750 | Soil | 0.7 | 8.7 | 8.7 | 67 | <0.1 | 12.2 | 6.1 | 453 | 1.85 | 6.4 | <0.5 | 3.4 | 13 | <0.1 | 0.3 | 0.2 | 41 | 0.13 | 0.091 | 7 |
| 2500-6750 | Soil | 0.7 | 11.0 | 9.8 | 73 | <0.1 | 12.8 | 7.4 | 332 | 2.70 | 5.8 | 0.7 | 2.8 | 14 | <0.1 | 0.3 | 0.2 | 66 | 0.14 | 0.140 | 7 |
| 2525-6750 | Soil | 0.6 | 9.9 | 8.3 | 57 | <0.1 | 13.3 | 6.9 | 257 | 2.27 | 4.8 | 1.2 | 2.6 | 17 | <0.1 | 0.3 | 0.1 | 56 | 0.16 | 0.081 | 8 |
| 2550-6750 | Soil | 0.8 | 7.2 | 11.1 | 49 | <0.1 | 9.0 | 6.4 | 335 | 1.88 | 3.8 | <0.5 | 2.3 | 14 | <0.1 | 0.3 | 0.2 | 47 | 0.15 | 0.075 | 8 |
| 2575-6750 | Soil | 0.8 | 13.3 | 9.4 | 44 | <0.1 | 13.0 | 6.7 | 187 | 2.29 | 5.6 | <0.5 | 2.6 | 17 | <0.1 | 0.3 | 0.2 | 54 | 0.17 | 0.090 | 8 |
| 2600-6750 | Soil | 1.1 | 7.7 | 10.4 | 50 | <0.1 | 9.6 | 7.1 | 218 | 2.30 | 5.8 | 1.6 | 2.4 | 14 | <0.1 | 0.3 | 0.2 | 58 | 0.14 | 0.077 | 7 |
| 2625-6750 | Soil | 0.7 | 10.7 | 10.4 | 63 | <0.1 | 13.6 | 7.2 | 351 | 2.51 | 6.2 | 1.6 | 2.6 | 14 | 0.1 | 0.3 | 0.2 | 59 | 0.15 | 0.138 | 7 |
| 2650-6750 | Soil | 0.5 | 6.5 | 6.8 | 53 | <0.1 | 9.6 | 5.6 | 432 | 2.01 | 3.1 | <0.5 | 1.7 | 14 | <0.1 | 0.2 | 0.1 | 54 | 0.15 | 0.073 | 7 |
| 1975-6800 | Soil | 0.8 | 6.9 | 10.9 | 69 | <0.1 | 7.6 | 5.3 | 699 | 1.91 | 3.0 | <0.5 | 2.3 | 11 | <0.1 | 0.2 | 0.2 | 49 | 0.12 | 0.113 | 7 |
| 2000-6800 | Soil | 1.0 | 8.4 | 11.3 | 71 | <0.1 | 10.5 | 6.0 | 421 | 2.09 | 5.3 | 2.7 | 3.4 | 13 | <0.1 | 0.3 | 0.2 | 48 | 0.13 | 0.127 | 8 |
| 2025-6800 | Soil | 0.7 | 7.5 | 10.3 | 56 | <0.1 | 8.1 | 5.8 | 497 | 2.08 | 3.8 | 5.8 | 2.4 | 11 | <0.1 | 0.3 | 0.2 | 54 | 0.12 | 0.097 | 7 |
| 2050-6800 | Soil | 0.6 | 7.3 | 10.5 | 57 | <0.1 | 8.1 | 5.3 | 265 | 1.95 | 4.2 | 2.9 | 2.5 | 10 | <0.1 | 0.2 | 0.2 | 46 | 0.11 | 0.093 | 7 |



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| 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 | |
| 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 | |
| 2025-6750 | Soil | 20 | 0.21 | 52 | 0.084 | <1 | 1.43 | 0.010 | 0.04 | 0.1 | 0.02 | 2.6 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2050-6750 | Soil | 18 | 0.19 | 54 | 0.073 | <1 | 1.69 | 0.008 | 0.04 | <0.1 | 0.03 | 2.4 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2075-6750 | Soil | 19 | 0.20 | 66 | 0.072 | <1 | 1.69 | 0.008 | 0.05 | 0.1 | 0.02 | 2.7 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2100-6750 | Soil | 18 | 0.20 | 56 | 0.082 | <1 | 1.45 | 0.008 | 0.03 | 0.1 | 0.03 | 2.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2125-6750 | Soil | 20 | 0.22 | 68 | 0.082 | <1 | 1.73 | 0.009 | 0.05 | 0.1 | 0.01 | 2.1 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2150-6750 | Soil | 18 | 0.22 | 72 | 0.090 | <1 | 1.92 | 0.010 | 0.04 | 0.1 | 0.02 | 2.1 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2175-6750 | Soil | 19 | 0.19 | 55 | 0.079 | <1 | 1.77 | 0.008 | 0.04 | 0.1 | 0.03 | 2.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2200-6750 | Soil | 20 | 0.22 | 86 | 0.107 | 2 | 1.96 | 0.009 | 0.04 | 0.1 | 0.03 | 2.6 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2225-6750 | Soil | 30 | 0.33 | 78 | 0.110 | 3 | 2.41 | 0.009 | 0.06 | 0.2 | 0.04 | 3.5 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 2250-6750 | Soil | 20 | 0.16 | 69 | 0.079 | 2 | 2.51 | 0.009 | 0.04 | 0.2 | 0.05 | 2.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 2275-6750 | Soil | 19 | 0.19 | 81 | 0.105 | <1 | 1.60 | 0.009 | 0.04 | 0.1 | 0.02 | 2.6 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2300-6750 | Soil | 18 | 0.20 | 74 | 0.103 | 2 | 1.81 | 0.009 | 0.04 | 0.1 | 0.03 | 2.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2325-6750 | Soil | 21 | 0.27 | 108 | 0.075 | 1 | 1.99 | 0.009 | 0.06 | <0.1 | 0.03 | 3.4 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2350-6750 | Soil | 23 | 0.39 | 76 | 0.083 | 1 | 1.90 | 0.011 | 0.04 | 0.2 | 0.03 | 3.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2375-6750 | Soil | 19 | 0.19 | 76 | 0.108 | 1 | 1.94 | 0.009 | 0.04 | 0.1 | 0.03 | 2.9 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2400-6750 | Soil | 18 | 0.18 | 65 | 0.098 | <1 | 1.92 | 0.008 | 0.04 | <0.1 | 0.04 | 2.3 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2425-6750 | Soil | 19 | 0.18 | 76 | 0.114 | 1 | 1.92 | 0.009 | 0.04 | <0.1 | 0.03 | 2.7 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2450-6750 | Soil | 16 | 0.18 | 79 | 0.090 | <1 | 1.78 | 0.008 | 0.05 | <0.1 | 0.02 | 2.6 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2475-6750 | Soil | 17 | 0.21 | 76 | 0.097 | <1 | 1.66 | 0.008 | 0.04 | 0.1 | 0.02 | 2.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2500-6750 | Soil | 23 | 0.25 | 73 | 0.098 | 2 | 2.40 | 0.008 | 0.04 | 0.1 | 0.03 | 3.4 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2525-6750 | Soil | 21 | 0.21 | 87 | 0.102 | <1 | 1.84 | 0.009 | 0.04 | <0.1 | 0.01 | 3.3 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2550-6750 | Soil | 16 | 0.15 | 65 | 0.096 | <1 | 1.56 | 0.009 | 0.04 | 0.1 | 0.02 | 2.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2575-6750 | Soil | 20 | 0.26 | 92 | 0.107 | <1 | 1.99 | 0.010 | 0.04 | 0.1 | 0.02 | 3.0 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2600-6750 | Soil | 18 | 0.22 | 74 | 0.087 | <1 | 1.56 | 0.009 | 0.04 | 0.1 | 0.01 | 2.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2625-6750 | Soil | 21 | 0.26 | 72 | 0.096 | <1 | 2.00 | 0.008 | 0.04 | 0.1 | 0.03 | 2.9 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2650-6750 | Soil | 16 | 0.17 | 86 | 0.081 | <1 | 1.25 | 0.008 | 0.05 | <0.1 | <0.01 | 2.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1975-6800 | Soil | 16 | 0.14 | 64 | 0.084 | <1 | 1.34 | 0.006 | 0.03 | <0.1 | 0.03 | 1.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2000-6800 | Soil | 18 | 0.19 | 67 | 0.089 | <1 | 1.78 | 0.008 | 0.04 | 0.1 | 0.04 | 2.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2025-6800 | Soil | 16 | 0.15 | 69 | 0.076 | <1 | 1.58 | 0.009 | 0.04 | 0.1 | 0.03 | 2.3 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2050-6800 | Soil | 15 | 0.15 | 62 | 0.061 | <1 | 1.42 | 0.009 | 0.03 | 0.1 | 0.03 | 2.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |



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|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | |
| | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| 2075-6800 | Soil | 0.5 | 6.4 | 10.1 | 69 | <0.1 | 8.3 | 5.4 | 443 | 1.89 | 3.2 | 4.6 | 2.6 | 13 | 0.1 | 0.2 | 0.2 | 46 | 0.13 | 0.082 | 7 |
| 2100-6800 | Soil | 0.5 | 7.2 | 9.3 | 81 | <0.1 | 9.2 | 6.0 | 336 | 2.03 | 3.3 | 0.6 | 2.4 | 10 | <0.1 | 0.2 | 0.2 | 47 | 0.11 | 0.146 | 7 |
| 2125-6800 | Soil | 0.7 | 6.9 | 10.1 | 48 | <0.1 | 9.1 | 5.4 | 244 | 2.29 | 4.7 | 2.6 | 2.6 | 11 | <0.1 | 0.3 | 0.2 | 58 | 0.12 | 0.128 | 7 |
| 2150-6800 | Soil | 0.5 | 11.3 | 9.7 | 37 | 0.1 | 10.4 | 6.0 | 216 | 2.03 | 6.6 | <0.5 | 3.0 | 11 | <0.1 | 0.4 | 0.1 | 52 | 0.13 | 0.116 | 7 |
| 2175-6800 | Soil | 0.6 | 11.5 | 9.4 | 40 | <0.1 | 10.4 | 5.6 | 296 | 2.07 | 7.4 | 3.0 | 3.3 | 13 | <0.1 | 0.4 | 0.2 | 53 | 0.13 | 0.060 | 8 |
| 2200-6800 | Soil | 0.9 | 5.6 | 9.7 | 49 | 0.1 | 7.4 | 4.6 | 357 | 1.89 | 4.0 | 0.6 | 2.1 | 10 | <0.1 | 0.2 | 0.2 | 46 | 0.11 | 0.094 | 7 |
| 2225-6800 | Soil | 0.8 | 7.0 | 9.7 | 66 | <0.1 | 9.7 | 6.2 | 272 | 1.91 | 4.4 | <0.5 | 3.0 | 12 | <0.1 | 0.3 | 0.2 | 42 | 0.12 | 0.106 | 7 |
| 2250-6800 | Soil | 1.4 | 13.1 | 10.0 | 116 | 0.2 | 15.6 | 12.0 | 1504 | 3.46 | 7.1 | <0.5 | 2.9 | 27 | <0.1 | 0.4 | 0.2 | 82 | 0.27 | 0.099 | 10 |
| 2275-6800 | Soil | 0.6 | 12.6 | 9.5 | 46 | <0.1 | 12.0 | 6.5 | 253 | 2.47 | 8.5 | 0.8 | 3.0 | 14 | <0.1 | 0.4 | 0.2 | 59 | 0.15 | 0.065 | 8 |
| 2300-6800 | Soil | 0.7 | 8.2 | 9.4 | 73 | <0.1 | 9.9 | 5.6 | 1030 | 1.95 | 5.1 | 3.6 | 2.6 | 11 | <0.1 | 0.3 | 0.2 | 43 | 0.12 | 0.085 | 7 |
| 2325-6800 | Soil | 0.7 | 6.6 | 9.8 | 46 | <0.1 | 10.6 | 5.5 | 350 | 2.12 | 6.1 | 5.0 | 3.1 | 9 | <0.1 | 0.3 | 0.2 | 51 | 0.10 | 0.112 | 6 |
| 2350-6800 | Soil | 0.6 | 16.6 | 8.5 | 42 | <0.1 | 14.7 | 8.0 | 325 | 2.85 | 7.3 | 0.6 | 2.7 | 14 | <0.1 | 0.3 | 0.1 | 75 | 0.16 | 0.138 | 7 |
| 2375-6800 | Soil | 0.5 | 10.4 | 6.7 | 55 | <0.1 | 12.1 | 6.3 | 198 | 2.24 | 4.7 | <0.5 | 2.3 | 11 | <0.1 | 0.3 | <0.1 | 54 | 0.12 | 0.111 | 6 |
| 2400-6800 | Soil | 0.7 | 8.5 | 7.4 | 51 | <0.1 | 12.4 | 6.7 | 467 | 2.29 | 4.6 | 1.2 | 2.1 | 10 | 0.1 | 0.3 | 0.1 | 55 | 0.13 | 0.150 | 6 |
| 2425-6800 | Soil | 0.8 | 5.0 | 9.1 | 59 | <0.1 | 10.0 | 5.5 | 460 | 1.64 | 3.8 | 0.9 | 2.6 | 13 | <0.1 | 0.3 | 0.2 | 37 | 0.17 | 0.077 | 7 |
| 2450-6800 | Soil | 0.8 | 7.3 | 9.7 | 75 | <0.1 | 13.8 | 7.4 | 241 | 2.03 | 4.6 | <0.5 | 2.9 | 11 | <0.1 | 0.2 | 0.2 | 43 | 0.12 | 0.113 | 7 |
| 2475-6800 | Soil | 1.0 | 9.8 | 10.3 | 70 | <0.1 | 13.9 | 8.2 | 216 | 2.36 | 6.0 | 0.7 | 3.0 | 13 | <0.1 | 0.3 | 0.2 | 54 | 0.12 | 0.120 | 8 |
| 2500-6800 | Soil | 0.6 | 6.5 | 8.2 | 77 | <0.1 | 11.1 | 6.5 | 349 | 2.15 | 3.7 | 0.7 | 1.9 | 9 | <0.1 | 0.3 | 0.1 | 51 | 0.11 | 0.114 | 7 |
| 2525-6800 | Soil | 0.6 | 8.2 | 7.7 | 37 | <0.1 | 11.4 | 6.2 | 287 | 2.08 | 4.4 | 0.7 | 2.6 | 13 | <0.1 | 0.3 | 0.1 | 49 | 0.15 | 0.067 | 8 |
| 2550-6800 | Soil | 0.7 | 9.2 | 9.7 | 79 | 0.1 | 12.1 | 7.3 | 541 | 2.40 | 5.9 | 2.3 | 2.3 | 11 | <0.1 | 0.2 | 0.2 | 57 | 0.13 | 0.211 | 6 |
| 2575-6800 | Soil | 0.6 | 10.1 | 9.9 | 40 | <0.1 | 12.9 | 7.3 | 146 | 1.99 | 7.3 | 3.5 | 2.2 | 16 | <0.1 | 0.3 | 0.2 | 46 | 0.16 | 0.077 | 7 |
| 2600-6800 | Soil | 0.4 | 5.9 | 8.5 | 34 | <0.1 | 7.6 | 4.5 | 210 | 1.56 | 4.5 | <0.5 | 1.7 | 20 | <0.1 | 0.3 | 0.1 | 39 | 0.25 | 0.036 | 7 |
| 2625-6800 | Soil | 0.8 | 13.2 | 9.4 | 62 | <0.1 | 12.3 | 6.9 | 265 | 2.21 | 8.5 | 1.0 | 2.3 | 18 | <0.1 | 0.4 | 0.1 | 51 | 0.20 | 0.087 | 9 |
| 2650-6800 | Soil | 0.6 | 14.2 | 6.6 | 44 | <0.1 | 14.1 | 7.4 | 223 | 2.56 | 5.9 | 0.9 | 2.2 | 11 | <0.1 | 0.3 | 0.1 | 72 | 0.18 | 0.090 | 6 |
| 1975-6650 | Soil | 0.8 | 14.1 | 9.0 | 49 | <0.1 | 13.9 | 6.8 | 295 | 2.56 | 7.5 | <0.5 | 2.4 | 13 | <0.1 | 0.4 | 0.2 | 61 | 0.17 | 0.150 | 7 |
| 2000-6650 | Soil | 0.7 | 14.5 | 8.8 | 56 | 0.1 | 15.2 | 8.6 | 338 | 2.70 | 7.2 | 1.6 | 2.5 | 13 | <0.1 | 0.4 | 0.2 | 62 | 0.14 | 0.117 | 7 |
| 2025-6650 | Soil | 0.7 | 7.8 | 8.4 | 43 | <0.1 | 8.8 | 5.0 | 325 | 1.68 | 4.2 | 1.3 | 1.9 | 10 | <0.1 | 0.3 | 0.1 | 48 | 0.12 | 0.068 | 7 |
| 2050-6650 | Soil | 0.6 | 8.1 | 9.4 | 51 | <0.1 | 9.5 | 5.6 | 468 | 2.16 | 7.3 | <0.5 | 2.5 | 9 | <0.1 | 0.4 | 0.2 | 50 | 0.12 | 0.104 | 6 |
| 2075-6650 | Soil | 0.8 | 7.4 | 10.4 | 67 | 0.2 | 8.9 | 5.8 | 283 | 2.42 | 8.7 | 13.9 | 2.8 | 9 | <0.1 | 0.5 | 0.2 | 59 | 0.09 | 0.134 | 6 |
| 2100-6650 | Soil | 0.7 | 7.3 | 8.5 | 69 | 0.2 | 8.2 | 5.3 | 277 | 1.96 | 3.2 | 6.0 | 1.9 | 8 | <0.1 | 0.2 | 0.1 | 50 | 0.11 | 0.143 | 6 |



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Project: None Given
Report Date: August 14, 2018

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CERTIFICATE OF ANALYSIS

VAN18001761.1

| 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 | |
| 2075-6800 | Soil | 15 | 0.16 | 61 | 0.076 | 1 | 1.58 | 0.007 | 0.04 | <0.1 | 0.02 | 2.3 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2100-6800 | Soil | 16 | 0.17 | 59 | 0.068 | <1 | 1.71 | 0.007 | 0.03 | <0.1 | 0.03 | 2.5 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2125-6800 | Soil | 19 | 0.16 | 59 | 0.079 | <1 | 1.54 | 0.007 | 0.04 | 0.2 | 0.02 | 2.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2150-6800 | Soil | 18 | 0.22 | 61 | 0.082 | <1 | 1.38 | 0.007 | 0.03 | 0.1 | 0.03 | 2.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2175-6800 | Soil | 20 | 0.22 | 68 | 0.099 | <1 | 1.37 | 0.008 | 0.04 | 0.1 | 0.01 | 2.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2200-6800 | Soil | 14 | 0.14 | 48 | 0.059 | <1 | 1.37 | 0.007 | 0.03 | <0.1 | 0.01 | 1.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2225-6800 | Soil | 18 | 0.18 | 75 | 0.086 | <1 | 1.76 | 0.007 | 0.04 | <0.1 | 0.02 | 2.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2250-6800 | Soil | 26 | 0.34 | 92 | 0.092 | <1 | 2.08 | 0.010 | 0.06 | 0.1 | 0.02 | 4.0 | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| 2275-6800 | Soil | 21 | 0.23 | 71 | 0.085 | <1 | 1.76 | 0.008 | 0.04 | <0.1 | 0.02 | 3.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2300-6800 | Soil | 16 | 0.18 | 85 | 0.072 | 2 | 1.44 | 0.006 | 0.04 | <0.1 | 0.02 | 2.1 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2325-6800 | Soil | 18 | 0.17 | 68 | 0.075 | <1 | 1.52 | 0.006 | 0.03 | 0.1 | 0.01 | 1.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2350-6800 | Soil | 22 | 0.38 | 76 | 0.065 | <1 | 1.68 | 0.009 | 0.04 | 0.2 | 0.03 | 3.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2375-6800 | Soil | 17 | 0.26 | 61 | 0.059 | <1 | 1.61 | 0.007 | 0.03 | <0.1 | 0.02 | 2.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2400-6800 | Soil | 19 | 0.25 | 56 | 0.065 | <1 | 1.29 | 0.008 | 0.04 | 0.1 | 0.04 | 2.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2425-6800 | Soil | 14 | 0.16 | 64 | 0.082 | <1 | 1.47 | 0.009 | 0.04 | <0.1 | 0.02 | 1.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2450-6800 | Soil | 18 | 0.20 | 116 | 0.090 | <1 | 1.91 | 0.009 | 0.04 | 0.1 | 0.02 | 2.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2475-6800 | Soil | 22 | 0.27 | 86 | 0.082 | <1 | 2.27 | 0.009 | 0.05 | 0.1 | 0.03 | 2.6 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2500-6800 | Soil | 18 | 0.21 | 83 | 0.067 | <1 | 1.70 | 0.008 | 0.03 | 0.1 | 0.02 | 2.2 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2525-6800 | Soil | 20 | 0.23 | 73 | 0.101 | <1 | 1.22 | 0.008 | 0.04 | <0.1 | 0.01 | 1.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2550-6800 | Soil | 20 | 0.25 | 67 | 0.073 | 1 | 2.13 | 0.010 | 0.05 | 0.2 | 0.06 | 2.5 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2575-6800 | Soil | 19 | 0.25 | 117 | 0.089 | <1 | 1.90 | 0.010 | 0.04 | 0.1 | 0.04 | 2.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2600-6800 | Soil | 16 | 0.24 | 53 | 0.095 | <1 | 0.99 | 0.014 | 0.04 | <0.1 | 0.02 | 2.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2625-6800 | Soil | 19 | 0.25 | 81 | 0.082 | <1 | 1.55 | 0.012 | 0.05 | 0.1 | 0.02 | 2.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2650-6800 | Soil | 23 | 0.33 | 65 | 0.079 | <1 | 1.21 | 0.008 | 0.04 | 0.1 | 0.02 | 2.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1975-6650 | Soil | 22 | 0.31 | 86 | 0.077 | <1 | 1.93 | 0.008 | 0.10 | 0.1 | 0.04 | 2.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2000-6650 | Soil | 19 | 0.30 | 94 | 0.086 | <1 | 1.83 | 0.010 | 0.04 | 0.2 | 0.03 | 2.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2025-6650 | Soil | 14 | 0.17 | 68 | 0.062 | <1 | 1.22 | 0.007 | 0.03 | 0.1 | 0.02 | 2.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2050-6650 | Soil | 17 | 0.19 | 50 | 0.070 | <1 | 1.22 | 0.008 | 0.04 | 0.1 | 0.02 | 2.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2075-6650 | Soil | 19 | 0.19 | 46 | 0.063 | <1 | 1.41 | 0.008 | 0.04 | 0.2 | 0.03 | 2.0 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2100-6650 | Soil | 16 | 0.14 | 64 | 0.053 | <1 | 1.41 | 0.008 | 0.03 | 0.1 | 0.07 | 1.8 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |



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Project: None Given
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CERTIFICATE OF ANALYSIS

VAN18001761.1

| 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 | |
| 2125-6650 | Soil | 0.7 | 10.7 | 9.2 | 59 | 0.1 | 13.2 | 7.5 | 360 | 2.57 | 6.1 | 1.5 | 2.4 | 10 | <0.1 | 0.3 | 0.1 | 60 | 0.12 | 0.134 | 7 |
| 2150-6650 | Soil | 0.7 | 9.8 | 10.3 | 71 | <0.1 | 12.5 | 7.4 | 1082 | 2.55 | 5.9 | <0.5 | 2.3 | 10 | <0.1 | 0.3 | 0.1 | 56 | 0.14 | 0.115 | 7 |
| 2175-6650 | Soil | 0.6 | 7.4 | 9.4 | 83 | <0.1 | 12.2 | 7.2 | 591 | 2.58 | 4.7 | 1.4 | 2.4 | 12 | <0.1 | 0.3 | 0.2 | 62 | 0.14 | 0.121 | 6 |
| 2200-6650 | Soil | 0.6 | 6.9 | 8.5 | 76 | 0.1 | 10.3 | 5.8 | 289 | 2.10 | 4.1 | 1.3 | 1.9 | 11 | <0.1 | 0.2 | 0.1 | 49 | 0.14 | 0.111 | 6 |
| 2225-6650 | Soil | 0.6 | 10.9 | 8.3 | 79 | 0.1 | 11.1 | 6.4 | 252 | 2.30 | 4.0 | <0.5 | 2.0 | 10 | <0.1 | 0.2 | 0.1 | 54 | 0.13 | 0.128 | 6 |
| 2250-6650 | Soil | 0.8 | 8.7 | 9.3 | 50 | <0.1 | 11.8 | 6.3 | 282 | 2.32 | 5.2 | 3.1 | 2.3 | 9 | <0.1 | 0.3 | 0.1 | 55 | 0.10 | 0.101 | 5 |
| 2275-6650 | Soil | 0.8 | 18.2 | 9.8 | 49 | <0.1 | 12.4 | 6.6 | 226 | 2.46 | 6.0 | 1.0 | 2.8 | 9 | <0.1 | 0.3 | 0.1 | 55 | 0.12 | 0.146 | 7 |
| 2300-6650 | Soil | 0.7 | 9.1 | 8.1 | 78 | 0.1 | 11.3 | 6.9 | 597 | 2.58 | 5.0 | 1.4 | 2.1 | 9 | <0.1 | 0.2 | 0.1 | 57 | 0.13 | 0.198 | 6 |
| 2325-6650 | Soil | 0.7 | 10.1 | 9.6 | 62 | 0.1 | 13.2 | 6.9 | 437 | 2.44 | 5.0 | <0.5 | 2.0 | 11 | <0.1 | 0.2 | 0.1 | 60 | 0.14 | 0.157 | 6 |
| 2350-6650 | Soil | 0.7 | 9.8 | 9.0 | 65 | <0.1 | 12.4 | 6.2 | 261 | 2.21 | 5.3 | 2.3 | 2.4 | 13 | <0.1 | 0.3 | 0.1 | 48 | 0.13 | 0.093 | 7 |
| 2375-6650 | Soil | 0.7 | 7.8 | 9.0 | 50 | <0.1 | 11.7 | 5.9 | 217 | 1.99 | 4.5 | 0.6 | 2.4 | 12 | <0.1 | 0.2 | 0.1 | 46 | 0.13 | 0.108 | 7 |
| 2400-6650 | Soil | 0.8 | 10.4 | 8.7 | 51 | 0.1 | 14.3 | 7.5 | 247 | 2.45 | 5.6 | 4.6 | 2.2 | 12 | <0.1 | 0.3 | 0.1 | 61 | 0.14 | 0.075 | 6 |
| 2425-6650 | Soil | 0.8 | 7.7 | 9.0 | 66 | <0.1 | 12.5 | 6.2 | 375 | 2.36 | 4.9 | 2.3 | 2.1 | 10 | <0.1 | 0.2 | 0.1 | 48 | 0.12 | 0.129 | 6 |
| 2450-6650 | Soil | 0.6 | 7.9 | 7.2 | 65 | <0.1 | 11.0 | 6.7 | 405 | 2.64 | 3.7 | 30.5 | 1.9 | 9 | <0.1 | 0.2 | 0.1 | 61 | 0.12 | 0.084 | 5 |
| 2475-6650 | Soil | 0.6 | 10.4 | 8.3 | 51 | <0.1 | 12.2 | 7.0 | 441 | 2.67 | 5.0 | 12.2 | 2.3 | 13 | <0.1 | 0.3 | 0.1 | 66 | 0.16 | 0.055 | 7 |
| 2500-6650 | Soil | 0.6 | 9.4 | 8.3 | 69 | 0.1 | 12.5 | 6.6 | 520 | 2.50 | 4.3 | <0.5 | 2.1 | 12 | 0.1 | 0.3 | 0.1 | 64 | 0.15 | 0.118 | 6 |
| 2525-6650 | Soil | 0.7 | 9.0 | 8.7 | 54 | <0.1 | 10.3 | 6.1 | 347 | 1.99 | 3.9 | <0.5 | 2.0 | 13 | <0.1 | 0.2 | 0.1 | 45 | 0.13 | 0.083 | 7 |
| 2550-6650 | Soil | 0.8 | 10.2 | 9.1 | 64 | <0.1 | 12.3 | 6.6 | 164 | 2.23 | 6.0 | 1.1 | 2.7 | 11 | <0.1 | 0.3 | 0.1 | 51 | 0.11 | 0.144 | 6 |
| 2575-6650 | Soil | 0.9 | 12.7 | 9.1 | 57 | <0.1 | 11.8 | 6.9 | 307 | 2.39 | 5.7 | 0.7 | 2.2 | 12 | <0.1 | 0.3 | 0.2 | 58 | 0.16 | 0.095 | 7 |
| 2600-6650 | Soil | 0.5 | 9.4 | 8.9 | 70 | 0.1 | 12.1 | 6.4 | 975 | 2.35 | 4.4 | <0.5 | 1.9 | 11 | 0.1 | 0.2 | 0.2 | 54 | 0.15 | 0.092 | 6 |
| 2625-6650 | Soil | 0.9 | 7.0 | 9.6 | 58 | <0.1 | 9.5 | 5.6 | 365 | 1.93 | 5.6 | 1.1 | 3.1 | 11 | <0.1 | 0.3 | 0.2 | 36 | 0.11 | 0.115 | 6 |
| 2650-6650 | Soil | 0.7 | 10.2 | 10.3 | 55 | 0.1 | 13.0 | 6.8 | 371 | 2.26 | 5.0 | 1.7 | 2.5 | 12 | <0.1 | 0.3 | 0.2 | 47 | 0.13 | 0.112 | 7 |
| 2400-7500 | Soil | 1.0 | 11.3 | 9.9 | 61 | <0.1 | 17.7 | 8.0 | 253 | 2.31 | 4.5 | 0.8 | 3.0 | 15 | <0.1 | 0.3 | 0.2 | 46 | 0.15 | 0.117 | 8 |
| 2425-7500 | Soil | 0.6 | 9.8 | 8.1 | 43 | <0.1 | 11.6 | 6.0 | 292 | 2.05 | 4.3 | 1.2 | 2.4 | 13 | <0.1 | 0.3 | 0.2 | 51 | 0.16 | 0.065 | 7 |
| 2450-7500 | Soil | 0.8 | 9.2 | 9.5 | 46 | <0.1 | 12.5 | 6.6 | 493 | 2.10 | 3.6 | 1.3 | 2.4 | 11 | <0.1 | 0.3 | 0.2 | 42 | 0.12 | 0.083 | 7 |
| 2475-7500 | Soil | 0.6 | 7.4 | 8.8 | 61 | <0.1 | 11.8 | 6.1 | 215 | 2.18 | 3.1 | 5.0 | 2.0 | 12 | <0.1 | 0.2 | 0.2 | 44 | 0.13 | 0.076 | 7 |
| 2500-7500 | Soil | 0.6 | 8.5 | 8.2 | 51 | <0.1 | 12.9 | 6.3 | 184 | 2.06 | 3.4 | 1.8 | 2.4 | 15 | <0.1 | 0.3 | 0.2 | 47 | 0.13 | 0.066 | 9 |
| 2525-7500 | Soil | 0.6 | 10.5 | 9.1 | 53 | <0.1 | 13.8 | 7.3 | 400 | 2.06 | 4.3 | 1.0 | 2.6 | 15 | <0.1 | 0.4 | 0.2 | 48 | 0.16 | 0.067 | 8 |
| 2550-7500 | Soil | 0.8 | 9.1 | 8.4 | 51 | <0.1 | 13.0 | 6.8 | 185 | 2.47 | 5.3 | 6.8 | 2.4 | 12 | <0.1 | 0.3 | 0.2 | 54 | 0.12 | 0.115 | 7 |
| 2575-7500 | Soil | 0.6 | 8.4 | 8.5 | 37 | <0.1 | 10.1 | 5.5 | 134 | 2.05 | 3.5 | 2.2 | 2.3 | 20 | <0.1 | 0.3 | 0.2 | 48 | 0.22 | 0.053 | 9 |



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| 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 | |
| 2125-6650 | Soil | 21 | 0.22 | 63 | 0.075 | 1 | 1.79 | 0.009 | 0.04 | 0.2 | 0.03 | 2.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2150-6650 | Soil | 21 | 0.23 | 61 | 0.074 | <1 | 1.90 | 0.008 | 0.04 | 0.1 | 0.03 | 2.6 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2175-6650 | Soil | 20 | 0.23 | 89 | 0.078 | <1 | 1.61 | 0.008 | 0.05 | 0.1 | 0.03 | 2.5 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2200-6650 | Soil | 17 | 0.18 | 62 | 0.071 | <1 | 1.72 | 0.008 | 0.03 | 0.1 | 0.05 | 2.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2225-6650 | Soil | 18 | 0.20 | 74 | 0.064 | 1 | 1.42 | 0.009 | 0.04 | 0.1 | 0.03 | 2.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2250-6650 | Soil | 20 | 0.21 | 70 | 0.086 | <1 | 1.73 | 0.007 | 0.03 | 0.1 | 0.03 | 2.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2275-6650 | Soil | 20 | 0.25 | 72 | 0.076 | <1 | 1.88 | 0.008 | 0.03 | 0.1 | 0.02 | 2.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2300-6650 | Soil | 20 | 0.25 | 57 | 0.062 | <1 | 1.93 | 0.008 | 0.04 | 0.1 | 0.05 | 2.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2325-6650 | Soil | 20 | 0.29 | 75 | 0.061 | <1 | 1.99 | 0.008 | 0.04 | 0.1 | 0.04 | 2.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2350-6650 | Soil | 20 | 0.23 | 73 | 0.091 | <1 | 1.76 | 0.008 | 0.04 | 0.1 | 0.03 | 2.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2375-6650 | Soil | 20 | 0.18 | 65 | 0.080 | <1 | 1.68 | 0.009 | 0.03 | <0.1 | 0.03 | 2.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2400-6650 | Soil | 21 | 0.28 | 91 | 0.072 | <1 | 2.07 | 0.009 | 0.03 | <0.1 | 0.03 | 2.8 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2425-6650 | Soil | 18 | 0.22 | 64 | 0.078 | <1 | 1.88 | 0.009 | 0.03 | 0.1 | 0.03 | 2.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2450-6650 | Soil | 19 | 0.26 | 53 | 0.060 | <1 | 1.50 | 0.007 | 0.03 | 0.1 | 0.02 | 2.3 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2475-6650 | Soil | 21 | 0.23 | 74 | 0.093 | <1 | 1.44 | 0.008 | 0.03 | 0.1 | 0.02 | 2.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2500-6650 | Soil | 21 | 0.26 | 67 | 0.068 | <1 | 1.78 | 0.008 | 0.04 | 0.1 | 0.03 | 2.3 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2525-6650 | Soil | 17 | 0.21 | 77 | 0.077 | <1 | 1.50 | 0.008 | 0.03 | <0.1 | 0.02 | 2.4 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2550-6650 | Soil | 21 | 0.26 | 78 | 0.088 | <1 | 2.08 | 0.009 | 0.04 | 0.2 | 0.03 | 2.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2575-6650 | Soil | 19 | 0.25 | 85 | 0.083 | <1 | 1.90 | 0.008 | 0.05 | 0.1 | 0.02 | 2.9 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2600-6650 | Soil | 17 | 0.22 | 95 | 0.078 | <1 | 1.60 | 0.008 | 0.04 | 0.1 | 0.03 | 2.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2625-6650 | Soil | 14 | 0.18 | 63 | 0.074 | <1 | 1.81 | 0.009 | 0.04 | 0.1 | 0.04 | 1.9 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2650-6650 | Soil | 19 | 0.23 | 80 | 0.083 | 1 | 1.93 | 0.007 | 0.05 | 0.1 | 0.04 | 2.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2400-7500 | Soil | 22 | 0.25 | 105 | 0.101 | 2 | 2.16 | 0.010 | 0.05 | 0.1 | 0.03 | 3.4 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2425-7500 | Soil | 20 | 0.24 | 96 | 0.089 | 1 | 1.61 | 0.010 | 0.03 | 0.1 | <0.01 | 2.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2450-7500 | Soil | 19 | 0.24 | 67 | 0.097 | <1 | 1.90 | 0.009 | 0.04 | 0.2 | 0.02 | 2.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2475-7500 | Soil | 18 | 0.22 | 79 | 0.096 | <1 | 1.84 | 0.009 | 0.04 | <0.1 | 0.02 | 2.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2500-7500 | Soil | 20 | 0.23 | 74 | 0.100 | <1 | 1.63 | 0.010 | 0.04 | <0.1 | 0.02 | 3.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2525-7500 | Soil | 21 | 0.28 | 109 | 0.103 | <1 | 1.74 | 0.009 | 0.04 | 0.1 | 0.02 | 2.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2550-7500 | Soil | 20 | 0.24 | 86 | 0.083 | <1 | 1.71 | 0.011 | 0.04 | 0.2 | 0.02 | 2.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2575-7500 | Soil | 21 | 0.26 | 88 | 0.109 | <1 | 1.42 | 0.010 | 0.04 | 0.1 | 0.02 | 2.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |



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Project: None Given
Report Date: August 14, 2018

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CERTIFICATE OF ANALYSIS

VAN18001761.1

| Method Analyte Unit MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | |
|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | 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 | |
| 2600-7500 | Soil | 0.5 | 11.2 | 7.8 | 38 | <0.1 | 11.1 | 6.3 | 203 | 2.10 | 5.0 | <0.5 | 2.4 | 17 | <0.1 | 0.4 | 0.2 | 51 | 0.17 | 0.038 | 7 |
| 2625-7500 | Soil | 0.8 | 7.0 | 9.4 | 65 | <0.1 | 12.6 | 7.0 | 197 | 2.09 | 3.8 | 1.2 | 2.6 | 10 | <0.1 | 0.3 | 0.2 | 42 | 0.11 | 0.101 | 7 |
| 2650-7500 | Soil | 0.4 | 7.4 | 8.0 | 61 | <0.1 | 12.4 | 6.4 | 198 | 1.88 | 5.5 | <0.5 | 2.3 | 23 | <0.1 | 0.3 | 0.1 | 39 | 0.29 | 0.066 | 7 |
| 2675-7500 | Soil | 0.5 | 9.6 | 7.4 | 48 | <0.1 | 11.7 | 6.7 | 167 | 2.38 | 5.1 | 2.6 | 2.4 | 22 | <0.1 | 0.3 | 0.2 | 63 | 0.24 | 0.094 | 8 |
| 2700-7500 | Soil | 0.6 | 9.9 | 6.1 | 36 | <0.1 | 12.4 | 6.9 | 234 | 2.38 | 5.9 | <0.5 | 2.4 | 19 | <0.1 | 0.4 | 0.1 | 57 | 0.23 | 0.045 | 7 |
| 2400-7550 | Soil | 0.7 | 6.4 | 8.6 | 62 | <0.1 | 8.9 | 5.1 | 163 | 1.91 | 3.0 | 0.6 | 1.9 | 12 | <0.1 | 0.2 | 0.1 | 41 | 0.13 | 0.090 | 6 |
| 2425-7550 | Soil | 0.5 | 10.7 | 6.9 | 41 | <0.1 | 11.6 | 6.3 | 260 | 2.39 | 5.8 | 7.3 | 2.4 | 13 | <0.1 | 0.3 | 0.1 | 52 | 0.15 | 0.067 | 7 |
| 2450-7550 | Soil | 0.7 | 6.5 | 7.5 | 47 | <0.1 | 9.3 | 5.5 | 269 | 2.04 | 3.6 | 3.1 | 2.1 | 11 | <0.1 | 0.2 | 0.1 | 52 | 0.13 | 0.097 | 6 |
| 2475-7550 | Soil | 0.7 | 5.3 | 8.8 | 49 | <0.1 | 8.0 | 5.2 | 622 | 1.84 | 2.8 | 1.3 | 1.6 | 13 | <0.1 | 0.2 | 0.2 | 46 | 0.14 | 0.068 | 6 |
| 2500-7550 | Soil | 0.7 | 8.6 | 8.8 | 63 | <0.1 | 12.1 | 7.2 | 235 | 2.33 | 3.3 | 1.7 | 2.1 | 14 | <0.1 | 0.2 | 0.2 | 50 | 0.14 | 0.084 | 7 |
| 2525-7550 | Soil | 0.5 | 11.5 | 9.1 | 68 | <0.1 | 12.3 | 7.6 | 285 | 2.32 | 5.1 | 2.5 | 2.7 | 14 | <0.1 | 0.3 | 0.1 | 57 | 0.17 | 0.104 | 7 |
| 2550-7550 | Soil | 0.5 | 7.0 | 7.5 | 50 | <0.1 | 10.8 | 5.8 | 796 | 2.05 | 3.6 | 3.7 | 1.8 | 11 | <0.1 | 0.2 | 0.1 | 47 | 0.14 | 0.062 | 6 |
| 2575-7550 | Soil | 0.8 | 10.1 | 8.1 | 42 | <0.1 | 10.6 | 5.9 | 182 | 2.26 | 4.1 | <0.5 | 2.3 | 13 | <0.1 | 0.3 | 0.2 | 52 | 0.11 | 0.074 | 8 |
| 2600-7550 | Soil | 0.7 | 12.2 | 8.8 | 42 | <0.1 | 11.4 | 5.6 | 300 | 2.20 | 4.8 | 3.5 | 2.4 | 13 | <0.1 | 0.3 | 0.2 | 49 | 0.15 | 0.073 | 7 |
| 2625-7550 | Soil | 0.7 | 8.2 | 8.7 | 41 | <0.1 | 9.1 | 4.8 | 139 | 2.01 | 4.0 | 1.9 | 2.3 | 14 | <0.1 | 0.3 | 0.2 | 48 | 0.16 | 0.061 | 7 |
| 2650-7550 | Soil | 0.6 | 8.6 | 8.4 | 41 | <0.1 | 10.5 | 5.6 | 184 | 1.98 | 3.5 | 0.9 | 2.3 | 16 | <0.1 | 0.3 | 0.2 | 51 | 0.15 | 0.052 | 8 |
| 2675-7550 | Soil | 0.6 | 12.8 | 8.3 | 50 | <0.1 | 11.6 | 7.5 | 214 | 2.53 | 5.2 | 0.5 | 2.6 | 12 | <0.1 | 0.4 | 0.2 | 63 | 0.12 | 0.054 | 7 |
| 2700-7550 | Soil | 0.6 | 13.0 | 6.7 | 56 | <0.1 | 13.2 | 7.2 | 405 | 2.16 | 5.1 | <0.5 | 2.1 | 12 | <0.1 | 0.3 | 0.1 | 49 | 0.15 | 0.104 | 7 |
| 2725-7550 | Soil | 0.6 | 8.4 | 8.2 | 91 | 0.1 | 13.5 | 8.4 | 400 | 2.77 | 5.7 | 1.1 | 2.0 | 13 | <0.1 | 0.3 | 0.1 | 62 | 0.17 | 0.144 | 6 |
| 2400-7600 | Soil | 0.5 | 7.8 | 10.8 | 118 | <0.1 | 11.3 | 6.1 | 169 | 2.43 | 4.2 | 0.6 | 1.7 | 27 | <0.1 | 0.2 | 0.2 | 57 | 0.26 | 0.171 | 7 |
| 2425-7600 | Soil | 0.6 | 7.6 | 7.9 | 38 | <0.1 | 9.2 | 4.8 | 263 | 1.88 | 3.8 | <0.5 | 1.8 | 14 | <0.1 | 0.3 | 0.2 | 49 | 0.13 | 0.060 | 7 |
| 2450-7600 | Soil | 0.6 | 10.7 | 8.4 | 50 | <0.1 | 13.2 | 7.1 | 224 | 2.43 | 4.9 | 0.8 | 2.4 | 12 | <0.1 | 0.3 | 0.2 | 49 | 0.13 | 0.098 | 8 |
| 2475-7600 | Soil | 0.6 | 7.8 | 9.3 | 59 | <0.1 | 10.8 | 6.4 | 299 | 2.47 | 3.6 | 1.1 | 2.2 | 12 | <0.1 | 0.3 | 0.2 | 51 | 0.12 | 0.083 | 7 |
| 2500-7600 | Soil | 0.7 | 10.2 | 9.2 | 63 | <0.1 | 12.1 | 6.9 | 272 | 2.30 | 4.9 | 1.2 | 2.7 | 13 | <0.1 | 0.3 | 0.2 | 59 | 0.12 | 0.078 | 8 |
| 2525-7600 | Soil | 0.7 | 8.4 | 9.3 | 66 | <0.1 | 13.3 | 7.2 | 312 | 2.17 | 4.6 | 1.5 | 2.5 | 14 | <0.1 | 0.2 | 0.2 | 50 | 0.13 | 0.089 | 7 |
| 2550-7600 | Soil | 0.6 | 9.0 | 9.4 | 50 | <0.1 | 11.9 | 6.0 | 388 | 2.24 | 4.9 | 10.2 | 2.7 | 13 | <0.1 | 0.3 | 0.2 | 55 | 0.16 | 0.071 | 8 |
| 2575-7600 | Soil | 0.6 | 12.1 | 8.0 | 46 | <0.1 | 12.9 | 6.6 | 370 | 2.32 | 4.9 | 1.5 | 2.5 | 19 | <0.1 | 0.3 | 0.2 | 59 | 0.21 | 0.068 | 11 |
| 2600-7600 | Soil | 0.8 | 7.7 | 9.5 | 92 | <0.1 | 14.6 | 7.3 | 375 | 2.33 | 2.9 | 0.6 | 2.2 | 12 | 0.1 | 0.2 | 0.2 | 50 | 0.13 | 0.102 | 7 |
| 2625-7600 | Soil | 0.6 | 11.6 | 8.5 | 44 | <0.1 | 13.0 | 6.0 | 225 | 2.28 | 4.6 | 1.9 | 2.3 | 17 | <0.1 | 0.3 | 0.1 | 57 | 0.19 | 0.082 | 8 |
| 2650-7600 | Soil | 0.7 | 12.4 | 8.9 | 72 | <0.1 | 16.8 | 7.8 | 342 | 2.68 | 4.9 | <0.5 | 2.7 | 12 | <0.1 | 0.3 | 0.2 | 57 | 0.13 | 0.104 | 7 |



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CERTIFICATE OF ANALYSIS

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| Method | Analyte | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 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 | 0.2 |
| 2600-7500 | Soil | 20 | 0.28 | 97 | 0.095 | <1 | 1.39 | 0.011 | 0.04 | 0.1 | 0.01 | 2.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2625-7500 | Soil | 17 | 0.20 | 80 | 0.079 | 1 | 1.92 | 0.011 | 0.04 | 0.1 | 0.02 | 2.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2650-7500 | Soil | 19 | 0.28 | 80 | 0.077 | <1 | 1.56 | 0.013 | 0.04 | 0.1 | 0.02 | 2.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2675-7500 | Soil | 21 | 0.23 | 66 | 0.107 | <1 | 1.43 | 0.010 | 0.04 | 0.1 | 0.01 | 2.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2700-7500 | Soil | 20 | 0.33 | 74 | 0.092 | <1 | 1.13 | 0.013 | 0.05 | 0.1 | 0.02 | 2.6 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 2400-7550 | Soil | 16 | 0.19 | 61 | 0.070 | <1 | 1.69 | 0.010 | 0.04 | 0.1 | 0.02 | 2.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2425-7550 | Soil | 19 | 0.31 | 67 | 0.074 | <1 | 1.26 | 0.011 | 0.05 | 0.2 | <0.01 | 2.5 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 2450-7550 | Soil | 17 | 0.17 | 69 | 0.069 | <1 | 1.38 | 0.010 | 0.04 | 0.1 | 0.03 | 2.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2475-7550 | Soil | 16 | 0.15 | 76 | 0.067 | <1 | 1.40 | 0.008 | 0.03 | <0.1 | 0.02 | 2.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2500-7550 | Soil | 21 | 0.24 | 85 | 0.106 | <1 | 1.79 | 0.010 | 0.04 | <0.1 | 0.02 | 2.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2525-7550 | Soil | 20 | 0.31 | 64 | 0.081 | <1 | 1.90 | 0.010 | 0.05 | 0.1 | 0.02 | 3.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2550-7550 | Soil | 18 | 0.19 | 91 | 0.079 | <1 | 1.46 | 0.008 | 0.04 | 0.1 | 0.02 | 2.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2575-7550 | Soil | 20 | 0.23 | 65 | 0.106 | <1 | 1.65 | 0.012 | 0.04 | 0.1 | 0.02 | 2.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2600-7550 | Soil | 20 | 0.27 | 95 | 0.090 | <1 | 1.95 | 0.009 | 0.05 | 0.1 | 0.02 | 2.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2625-7550 | Soil | 20 | 0.23 | 58 | 0.098 | <1 | 1.53 | 0.009 | 0.04 | 0.1 | 0.02 | 2.5 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2650-7550 | Soil | 21 | 0.23 | 68 | 0.112 | <1 | 1.49 | 0.011 | 0.04 | 0.1 | 0.01 | 2.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2675-7550 | Soil | 24 | 0.29 | 114 | 0.108 | <1 | 1.75 | 0.011 | 0.03 | 0.1 | <0.01 | 3.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2700-7550 | Soil | 19 | 0.34 | 76 | 0.076 | <1 | 1.66 | 0.011 | 0.04 | 0.1 | 0.02 | 2.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2725-7550 | Soil | 23 | 0.30 | 87 | 0.077 | <1 | 1.92 | 0.010 | 0.05 | 0.2 | 0.02 | 2.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2400-7600 | Soil | 20 | 0.28 | 107 | 0.074 | <1 | 2.10 | 0.013 | 0.05 | 0.1 | 0.02 | 2.9 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 2425-7600 | Soil | 19 | 0.21 | 75 | 0.085 | <1 | 1.50 | 0.008 | 0.03 | 0.1 | 0.02 | 2.4 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2450-7600 | Soil | 20 | 0.28 | 90 | 0.089 | <1 | 2.16 | 0.009 | 0.05 | 0.1 | 0.03 | 2.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2475-7600 | Soil | 19 | 0.21 | 83 | 0.107 | <1 | 1.93 | 0.010 | 0.04 | <0.1 | 0.03 | 3.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2500-7600 | Soil | 22 | 0.24 | 83 | 0.120 | <1 | 1.88 | 0.010 | 0.04 | <0.1 | 0.02 | 3.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2525-7600 | Soil | 21 | 0.25 | 84 | 0.098 | <1 | 1.81 | 0.009 | 0.05 | 0.2 | 0.02 | 2.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2550-7600 | Soil | 19 | 0.22 | 80 | 0.090 | <1 | 1.63 | 0.008 | 0.04 | <0.1 | 0.04 | 2.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2575-7600 | Soil | 23 | 0.26 | 98 | 0.094 | 2 | 1.51 | 0.009 | 0.04 | <0.1 | 0.03 | 3.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2600-7600 | Soil | 20 | 0.21 | 99 | 0.096 | 1 | 2.13 | 0.009 | 0.04 | <0.1 | 0.03 | 2.6 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 2625-7600 | Soil | 25 | 0.25 | 84 | 0.101 | <1 | 1.72 | 0.008 | 0.05 | <0.1 | 0.04 | 3.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2650-7600 | Soil | 26 | 0.28 | 100 | 0.110 | <1 | 2.24 | 0.012 | 0.04 | 0.1 | 0.04 | 3.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |



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| Method | Analyte | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | 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 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| 2675-7600 | Soil | 0.6 | 10.7 | 8.5 | 61 | <0.1 | 14.9 | 7.8 | 309 | 2.58 | 4.8 | <0.5 | 2.0 | 14 | <0.1 | 0.3 | 0.2 | 61 | 0.15 | 0.097 | 7 | |
| 2700-7600 | Soil | 0.6 | 12.4 | 10.9 | 81 | 0.1 | 16.5 | 8.5 | 898 | 2.65 | 5.6 | 0.7 | 2.0 | 17 | 0.2 | 0.3 | 0.2 | 62 | 0.21 | 0.085 | 8 | |
| 2725-7600 | Soil | 0.6 | 10.5 | 6.8 | 45 | <0.1 | 19.8 | 7.4 | 184 | 2.66 | 5.8 | 0.8 | 1.8 | 19 | <0.1 | 0.3 | 0.1 | 63 | 0.22 | 0.201 | 6 | |
| 2750-7600 | Soil | 0.6 | 8.9 | 7.6 | 76 | <0.1 | 10.4 | 6.5 | 381 | 2.36 | 3.9 | <0.5 | 2.0 | 11 | 0.1 | 0.3 | 0.1 | 57 | 0.15 | 0.171 | 6 | |
| 2500-7650 | Soil | 0.7 | 6.4 | 9.3 | 68 | <0.1 | 13.2 | 6.7 | 287 | 2.24 | 3.7 | 2.5 | 2.6 | 10 | <0.1 | 0.2 | 0.2 | 49 | 0.11 | 0.086 | 8 | |
| 2525-7650 | Soil | 0.7 | 8.3 | 9.2 | 49 | <0.1 | 12.0 | 5.9 | 282 | 2.31 | 4.0 | 1.3 | 2.5 | 13 | <0.1 | 0.2 | 0.2 | 52 | 0.14 | 0.073 | 8 | |
| 2550-7650 | Soil | 0.6 | 11.8 | 8.6 | 49 | <0.1 | 13.6 | 7.0 | 347 | 2.23 | 4.4 | 0.6 | 2.2 | 13 | <0.1 | 0.3 | 0.1 | 52 | 0.14 | 0.087 | 7 | |
| 2575-7650 | Soil | 0.6 | 12.2 | 8.7 | 56 | <0.1 | 14.2 | 6.9 | 315 | 2.39 | 5.2 | 2.3 | 2.3 | 11 | <0.1 | 0.3 | 0.2 | 56 | 0.14 | 0.091 | 7 | |
| 2600-7650 | Soil | 0.7 | 12.1 | 8.8 | 52 | <0.1 | 13.9 | 6.4 | 310 | 2.57 | 5.5 | 1.9 | 2.5 | 14 | <0.1 | 0.3 | 0.2 | 59 | 0.13 | 0.096 | 8 | |
| 2625-7650 | Soil | 0.6 | 12.2 | 7.9 | 44 | <0.1 | 12.9 | 6.2 | 179 | 2.42 | 4.4 | <0.5 | 2.4 | 20 | <0.1 | 0.3 | 0.2 | 56 | 0.17 | 0.076 | 9 | |
| 2650-7650 | Soil | 0.7 | 11.9 | 9.4 | 54 | <0.1 | 13.6 | 6.8 | 443 | 2.45 | 4.8 | 0.9 | 2.3 | 17 | <0.1 | 0.2 | 0.2 | 60 | 0.18 | 0.082 | 8 | |
| 2675-7650 | Soil | 0.6 | 13.7 | 7.7 | 43 | <0.1 | 12.8 | 6.8 | 230 | 2.60 | 5.1 | 3.1 | 2.5 | 17 | <0.1 | 0.3 | 0.2 | 63 | 0.18 | 0.053 | 10 | |
| 2700-7650 | Soil | 0.7 | 14.2 | 8.7 | 60 | <0.1 | 15.5 | 7.2 | 326 | 2.76 | 5.2 | 4.1 | 2.6 | 13 | <0.1 | 0.3 | 0.1 | 60 | 0.14 | 0.104 | 7 | |
| 2725-7650 | Soil | 0.6 | 9.7 | 7.4 | 54 | <0.1 | 13.9 | 6.6 | 337 | 2.63 | 4.8 | 2.2 | 1.9 | 16 | <0.1 | 0.2 | 0.1 | 57 | 0.18 | 0.091 | 7 | |
| 2750-7650 | Soil | 0.7 | 14.9 | 7.7 | 69 | 0.2 | 15.2 | 8.2 | 366 | 3.03 | 6.8 | <0.5 | 2.7 | 12 | 0.1 | 0.3 | 0.1 | 67 | 0.15 | 0.142 | 7 | |
| 2775-7650 | Soil | 0.7 | 10.1 | 9.2 | 86 | <0.1 | 14.3 | 7.8 | 608 | 3.24 | 6.3 | <0.5 | 2.6 | 13 | 0.2 | 0.3 | 0.2 | 71 | 0.17 | 0.229 | 7 | |
| 2212-6700 | Soil | 1.4 | 15.0 | 8.3 | 120 | 0.3 | 15.9 | 10.3 | 2514 | 3.31 | 6.6 | 9.5 | 1.6 | 41 | 0.2 | 0.4 | 0.2 | 69 | 0.33 | 0.141 | 13 | |
| 2212-6800 | Soil | 1.2 | 12.2 | 8.8 | 117 | 0.1 | 13.9 | 11.2 | 1828 | 3.10 | 5.1 | 1.1 | 2.4 | 21 | <0.1 | 0.3 | 0.2 | 70 | 0.21 | 0.088 | 9 | |
| 2212-6650 | Soil | 1.3 | 12.6 | 7.8 | 109 | 0.2 | 16.3 | 11.3 | 1702 | 3.10 | 6.3 | 0.6 | 2.0 | 30 | <0.1 | 0.3 | 0.2 | 71 | 0.29 | 0.093 | 9 | |



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Project: None Given
Report Date: August 14, 2018

Page: 7 of 7

Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN18001761.1

| 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 |
| | | 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 |
| 2675-7600 | Soil | 23 | 0.25 | 113 | 0.102 | 1 | 1.76 | 0.009 | 0.04 | 0.1 | 0.04 | 2.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 2700-7600 | Soil | 24 | 0.31 | 145 | 0.086 | 1 | 1.98 | 0.010 | 0.05 | 0.1 | 0.04 | 3.2 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |
| 2725-7600 | Soil | 23 | 0.30 | 66 | 0.073 | <1 | 1.45 | 0.009 | 0.05 | 0.1 | 0.02 | 2.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2750-7600 | Soil | 20 | 0.22 | 65 | 0.063 | <1 | 1.47 | 0.008 | 0.04 | <0.1 | 0.03 | 2.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2500-7650 | Soil | 19 | 0.19 | 81 | 0.088 | <1 | 1.84 | 0.008 | 0.04 | <0.1 | 0.03 | 2.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2525-7650 | Soil | 21 | 0.21 | 82 | 0.100 | <1 | 1.58 | 0.007 | 0.04 | <0.1 | 0.04 | 2.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2550-7650 | Soil | 21 | 0.26 | 94 | 0.085 | <1 | 1.82 | 0.009 | 0.04 | <0.1 | 0.05 | 2.7 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2575-7650 | Soil | 23 | 0.27 | 91 | 0.085 | <1 | 1.86 | 0.008 | 0.04 | 0.1 | 0.02 | 2.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 2600-7650 | Soil | 22 | 0.25 | 95 | 0.098 | <1 | 1.99 | 0.010 | 0.04 | <0.1 | 0.03 | 2.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2625-7650 | Soil | 25 | 0.23 | 84 | 0.112 | <1 | 1.64 | 0.009 | 0.03 | <0.1 | 0.03 | 3.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2650-7650 | Soil | 22 | 0.26 | 113 | 0.101 | <1 | 1.89 | 0.009 | 0.04 | <0.1 | 0.03 | 3.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 2675-7650 | Soil | 25 | 0.27 | 83 | 0.117 | <1 | 1.56 | 0.008 | 0.04 | <0.1 | 0.02 | 3.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2700-7650 | Soil | 25 | 0.28 | 91 | 0.094 | <1 | 2.39 | 0.010 | 0.04 | <0.1 | 0.04 | 3.2 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 2725-7650 | Soil | 21 | 0.26 | 82 | 0.071 | <1 | 1.89 | 0.008 | 0.05 | 0.1 | 0.03 | 2.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2750-7650 | Soil | 26 | 0.34 | 88 | 0.094 | <1 | 2.25 | 0.009 | 0.05 | 0.2 | 0.06 | 3.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 2775-7650 | Soil | 24 | 0.32 | 86 | 0.077 | 1 | 2.22 | 0.010 | 0.05 | 0.2 | 0.04 | 3.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| 2212-6700 | Soil | 24 | 0.33 | 120 | 0.054 | 1 | 2.70 | 0.012 | 0.07 | <0.1 | 0.09 | 4.0 | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| 2212-6800 | Soil | 23 | 0.26 | 91 | 0.067 | <1 | 1.87 | 0.009 | 0.05 | <0.1 | 0.05 | 3.2 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 2212-6650 | Soil | 22 | 0.39 | 103 | 0.075 | <1 | 2.15 | 0.012 | 0.06 | 0.2 | 0.05 | 3.6 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |



BUREAU VERITAS MINERAL LABORATORIES
Canada

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Client: **Rebekah Antkow**
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Submitted By: Ben Rozek
Receiving Lab: Canada-Vancouver
Received: July 17, 2018
Report Date: August 14, 2018
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN18001762.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 1

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|--|--------------|---------------|-----|
| DY060 | 1 | Dry at 60C | | | VAN |
| SS80 | 1 | Dry at 60C sieve 100g to -80 mesh | | | VAN |
| SVRJT | 1 | Save all or part of Soil Reject | | | VAN |
| AQ201 | 1 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15 | Completed | VAN |

ADDITIONAL COMMENTS

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

Invoice To: Ben Rozek
976 Ryder Drive
Kelowna British Columbia V1Y 7T5
Canada

CC: Rebekah Antkow
Andrew Davis
Jane Rozek
Dave Rozek


KERRY JAY
Geochem Project Specialist

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



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Project: None Given
Report Date: August 14, 2018

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN18001762.1

| Method | WGHT | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|-----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | Wgt | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | |
| Unit | kg | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | |
| MDL | 0 | 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 | |
| 0000-7525 | Sediment | 0.667 | 2.4 | 8.3 | 16.1 | 397 | 0.4 | 13.4 | 12.0 | 1969 | 2.95 | 44.9 | 39.1 | 2.1 | 38 | 1.4 | 0.6 | <0.1 | 70 | 0.43 | 0.093 |



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Project: None Given
Report Date: August 14, 2018

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

VAN18001762.1

| Method | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te | |
| Unit | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | 1 | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| 0000-7525 Sediment | 15 | 24 | 0.39 | 105 | 0.057 | 1 | 1.39 | 0.016 | 0.06 | 0.1 | 0.03 | 3.0 | 0.1 | <0.05 | 3 | <0.5 | <0.2 | |

APPENDIX II: Bureau Veritas Quality Control Report



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Project: None Given
Report Date: August 14, 2018

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

VAN18001760.1

| 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 | | | | | | | | | | | | | | | | | | | | | |
| 0100-7325 | Soil | 0.7 | 4.6 | 10.7 | 99 | <0.1 | 6.4 | 5.2 | 578 | 1.83 | 2.3 | 1.5 | 2.1 | 10 | <0.1 | 0.2 | 0.1 | 39 | 0.12 | 0.137 | 8 |
| REP 0100-7325 | QC | 0.6 | 5.1 | 10.6 | 95 | <0.1 | 6.8 | 4.9 | 570 | 1.66 | 2.2 | <0.5 | 2.0 | 11 | <0.1 | 0.2 | 0.1 | 40 | 0.12 | 0.123 | 7 |
| 0200-7150 | Soil | 0.7 | 7.8 | 8.2 | 70 | <0.1 | 8.7 | 6.5 | 352 | 2.58 | 3.2 | <0.5 | 2.1 | 9 | <0.1 | 0.2 | 0.1 | 65 | 0.12 | 0.213 | 6 |
| REP 0200-7150 | QC | 0.7 | 8.0 | 8.2 | 70 | <0.1 | 8.6 | 6.5 | 352 | 2.52 | 3.0 | <0.5 | 2.1 | 10 | <0.1 | 0.2 | 0.1 | 64 | 0.12 | 0.213 | 6 |
| 0000-7000 | Soil | 0.7 | 9.9 | 8.4 | 52 | <0.1 | 12.6 | 6.6 | 214 | 2.04 | 4.3 | 1.8 | 2.0 | 12 | <0.1 | 0.3 | <0.1 | 49 | 0.13 | 0.087 | 7 |
| REP 0000-7000 | QC | 0.7 | 9.8 | 8.3 | 50 | <0.1 | 12.3 | 6.5 | 213 | 1.96 | 4.3 | 0.8 | 2.0 | 12 | <0.1 | 0.3 | <0.1 | 48 | 0.13 | 0.088 | 7 |
| 0050-7375 | Soil | 0.6 | 6.7 | 9.8 | 72 | 0.1 | 9.5 | 5.1 | 231 | 1.80 | 4.9 | 2.6 | 2.3 | 11 | 0.1 | 0.4 | <0.1 | 40 | 0.11 | 0.106 | 7 |
| REP 0050-7375 | QC | 0.8 | 6.7 | 9.8 | 78 | 0.1 | 9.6 | 5.2 | 252 | 1.88 | 5.1 | 3.2 | 2.3 | 11 | 0.1 | 0.4 | 0.1 | 40 | 0.11 | 0.101 | 8 |
| 2275-6900 | Soil | 0.6 | 6.3 | 9.1 | 79 | <0.1 | 9.2 | 5.7 | 226 | 1.80 | 3.7 | 3.2 | 2.4 | 10 | 0.1 | 0.2 | 0.2 | 42 | 0.11 | 0.125 | 7 |
| REP 2275-6900 | QC | 0.6 | 6.3 | 9.1 | 74 | <0.1 | 9.0 | 5.5 | 225 | 1.79 | 4.0 | 0.6 | 2.3 | 10 | <0.1 | 0.2 | 0.2 | 42 | 0.11 | 0.120 | 7 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS11 | Standard | 13.5 | 143.2 | 137.8 | 335 | 1.6 | 83.7 | 14.2 | 1041 | 2.96 | 42.4 | 64.6 | 7.8 | 62 | 2.2 | 8.7 | 11.8 | 54 | 1.02 | 0.074 | 19 |
| STD DS11 | Standard | 13.0 | 156.1 | 138.4 | 321 | 1.6 | 80.0 | 14.0 | 958 | 3.17 | 43.5 | 91.3 | 7.9 | 61 | 2.5 | 9.1 | 11.7 | 51 | 1.04 | 0.068 | 18 |
| STD DS11 | Standard | 14.9 | 161.1 | 138.4 | 338 | 1.6 | 82.6 | 14.0 | 1008 | 3.13 | 40.9 | 72.1 | 7.3 | 61 | 2.3 | 8.0 | 11.0 | 54 | 0.98 | 0.071 | 18 |
| STD DS11 | Standard | 14.7 | 149.6 | 136.1 | 335 | 1.6 | 80.2 | 14.0 | 994 | 3.09 | 40.8 | 73.3 | 7.2 | 62 | 2.1 | 8.5 | 11.2 | 51 | 0.98 | 0.070 | 17 |
| STD DS11 | Standard | 15.2 | 156.2 | 140.9 | 342 | 1.6 | 83.2 | 14.5 | 995 | 3.15 | 40.2 | 75.2 | 7.2 | 61 | 2.1 | 7.3 | 11.3 | 55 | 0.99 | 0.069 | 18 |
| STD OXC129 | Standard | 1.2 | 26.5 | 6.0 | 40 | <0.1 | 77.9 | 19.0 | 412 | 3.06 | <0.5 | 190.1 | 1.7 | 175 | <0.1 | <0.1 | <0.1 | 52 | 0.64 | 0.108 | 12 |
| STD OXC129 | Standard | 1.3 | 27.2 | 5.9 | 40 | <0.1 | 85.5 | 20.6 | 417 | 3.15 | 1.0 | 178.6 | 1.8 | 172 | <0.1 | <0.1 | <0.1 | 50 | 0.63 | 0.086 | 12 |
| STD OXC129 | Standard | 1.4 | 29.8 | 6.3 | 44 | <0.1 | 87.0 | 22.0 | 436 | 3.22 | 0.8 | 192.9 | 1.8 | 190 | <0.1 | <0.1 | <0.1 | 60 | 0.70 | 0.107 | 13 |
| STD OXC129 | Standard | 1.5 | 29.9 | 6.3 | 44 | <0.1 | 89.4 | 23.7 | 426 | 3.22 | 0.8 | 197.3 | 1.8 | 181 | <0.1 | <0.1 | <0.1 | 60 | 0.68 | 0.106 | 13 |
| STD OXC129 | Standard | 1.4 | 28.6 | 6.2 | 42 | <0.1 | 85.9 | 22.0 | 445 | 3.22 | <0.5 | 184.3 | 1.7 | 182 | <0.1 | <0.1 | <0.1 | 58 | 0.66 | 0.104 | 12 |
| STD OXC129 Expected | | 1.3 | 28 | 6.2 | 42.9 | | 79.5 | 20.3 | 421 | 3.065 | 0.6 | 195 | 1.9 | | | | | 51 | 0.684 | 0.102 | 12.5 |
| 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 |
| 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 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | 3 | <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 |



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Project: None Given
Report Date: August 14, 2018

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

VAN18001760.1

| 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 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | |
| 0100-7325 | Soil | 14 | 0.14 | 67 | 0.032 | <1 | 1.51 | 0.006 | 0.04 | <0.1 | 0.02 | 1.7 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP 0100-7325 | QC | 15 | 0.16 | 70 | 0.032 | 1 | 1.41 | 0.007 | 0.04 | <0.1 | 0.02 | 1.7 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0200-7150 | Soil | 21 | 0.20 | 56 | 0.050 | <1 | 1.96 | 0.008 | 0.04 | 0.1 | 0.04 | 2.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP 0200-7150 | QC | 20 | 0.19 | 56 | 0.050 | <1 | 1.88 | 0.009 | 0.04 | <0.1 | 0.04 | 2.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 0000-7000 | Soil | 18 | 0.24 | 78 | 0.073 | <1 | 1.71 | 0.009 | 0.04 | 0.1 | 0.02 | 2.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| REP 0000-7000 | QC | 18 | 0.23 | 76 | 0.070 | <1 | 1.69 | 0.009 | 0.04 | 0.1 | 0.02 | 2.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 0050-7375 | Soil | 15 | 0.21 | 84 | 0.045 | <1 | 1.65 | 0.009 | 0.04 | 0.1 | 0.03 | 2.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| REP 0050-7375 | QC | 16 | 0.19 | 82 | 0.049 | <1 | 1.53 | 0.008 | 0.05 | <0.1 | 0.03 | 2.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2275-6900 | Soil | 17 | 0.13 | 63 | 0.069 | <1 | 1.42 | 0.008 | 0.03 | 0.1 | 0.02 | 2.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP 2275-6900 | QC | 17 | 0.13 | 63 | 0.070 | <1 | 1.42 | 0.007 | 0.03 | 0.1 | 0.02 | 1.8 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| Reference Materials | | | | | | | | | | | | | | | | | |
| STD DS11 | Standard | 60 | 0.80 | 346 | 0.085 | 6 | 1.03 | 0.075 | 0.35 | 3.3 | 0.28 | 3.3 | 4.8 | 0.23 | 5 | 2.6 | 4.8 |
| STD DS11 | Standard | 60 | 0.84 | 336 | 0.084 | 8 | 1.08 | 0.066 | 0.39 | 2.8 | 0.24 | 3.4 | 4.9 | 0.26 | 5 | 2.4 | 4.9 |
| STD DS11 | Standard | 62 | 0.78 | 351 | 0.090 | 7 | 1.07 | 0.066 | 0.36 | 3.0 | 0.26 | 3.0 | 4.8 | 0.26 | 5 | 1.9 | 4.7 |
| STD DS11 | Standard | 60 | 0.81 | 350 | 0.088 | 7 | 1.08 | 0.067 | 0.37 | 3.1 | 0.25 | 3.1 | 4.9 | 0.25 | 5 | 2.0 | 4.9 |
| STD DS11 | Standard | 64 | 0.78 | 349 | 0.094 | 7 | 1.08 | 0.070 | 0.36 | 3.0 | 0.24 | 3.0 | 4.8 | 0.23 | 5 | 2.2 | 4.5 |
| STD OXC129 | Standard | 50 | 1.57 | 46 | 0.362 | <1 | 1.39 | 0.580 | 0.38 | <0.1 | <0.01 | 1.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| STD OXC129 | Standard | 51 | 1.56 | 46 | 0.390 | 1 | 1.38 | 0.559 | 0.32 | <0.1 | <0.01 | 1.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| STD OXC129 | Standard | 58 | 1.52 | 50 | 0.438 | 1 | 1.59 | 0.571 | 0.35 | <0.1 | <0.01 | 0.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| STD OXC129 | Standard | 59 | 1.55 | 48 | 0.432 | 1 | 1.53 | 0.558 | 0.36 | <0.1 | <0.01 | 1.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| STD OXC129 | Standard | 58 | 1.50 | 49 | 0.437 | 2 | 1.47 | 0.576 | 0.36 | <0.1 | <0.01 | 0.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| STD OXC129 Expected | | 52 | 1.545 | 50 | 0.4 | 1 | 1.58 | 0.59 | 0.3655 | | | 1.1 | | | 5.5 | | |
| 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 |
| 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 |



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Project: None Given
Report Date: August 14, 2018

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QUALITY CONTROL REPORT

VAN18001761.1

| 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 | | | | | | | | | | | | | | | | | | | | | |
| 2000-6700 | Soil | 0.6 | 9.9 | 9.3 | 51 | 0.1 | 10.6 | 5.2 | 185 | 2.15 | 5.0 | 4.1 | 2.7 | 10 | 0.1 | 0.4 | 0.2 | 48 | 0.11 | 0.087 | 8 |
| REP 2000-6700 | QC | 0.5 | 10.9 | 9.2 | 50 | 0.1 | 10.7 | 5.4 | 188 | 2.10 | 4.6 | 5.8 | 2.7 | 10 | <0.1 | 0.3 | 0.2 | 46 | 0.12 | 0.093 | 7 |
| 2225-6750 | Soil | 0.9 | 11.9 | 9.7 | 84 | <0.1 | 16.5 | 8.9 | 392 | 3.64 | 5.8 | 0.9 | 3.0 | 16 | <0.1 | 0.3 | 0.2 | 97 | 0.17 | 0.137 | 8 |
| REP 2225-6750 | QC | 0.9 | 12.5 | 9.8 | 86 | <0.1 | 17.0 | 9.1 | 387 | 3.60 | 6.1 | 8.7 | 2.7 | 16 | <0.1 | 0.4 | 0.2 | 96 | 0.18 | 0.137 | 7 |
| 2425-6800 | Soil | 0.8 | 5.0 | 9.1 | 59 | <0.1 | 10.0 | 5.5 | 460 | 1.64 | 3.8 | 0.9 | 2.6 | 13 | <0.1 | 0.3 | 0.2 | 37 | 0.17 | 0.077 | 7 |
| REP 2425-6800 | QC | 0.7 | 5.3 | 9.1 | 59 | <0.1 | 10.4 | 5.7 | 421 | 1.60 | 4.1 | <0.5 | 2.6 | 13 | <0.1 | 0.3 | 0.2 | 39 | 0.16 | 0.071 | 7 |
| 2625-6650 | Soil | 0.9 | 7.0 | 9.6 | 58 | <0.1 | 9.5 | 5.6 | 365 | 1.93 | 5.6 | 1.1 | 3.1 | 11 | <0.1 | 0.3 | 0.2 | 36 | 0.11 | 0.115 | 6 |
| REP 2625-6650 | QC | 0.9 | 7.6 | 9.6 | 59 | <0.1 | 10.1 | 5.6 | 339 | 1.73 | 5.8 | 2.6 | 3.0 | 10 | <0.1 | 0.3 | 0.2 | 36 | 0.11 | 0.115 | 7 |
| 2575-7600 | Soil | 0.6 | 12.1 | 8.0 | 46 | <0.1 | 12.9 | 6.6 | 370 | 2.32 | 4.9 | 1.5 | 2.5 | 19 | <0.1 | 0.3 | 0.2 | 59 | 0.21 | 0.068 | 11 |
| REP 2575-7600 | QC | 0.6 | 11.9 | 8.1 | 48 | <0.1 | 13.4 | 6.9 | 348 | 2.30 | 5.4 | 2.0 | 2.6 | 20 | <0.1 | 0.2 | 0.2 | 57 | 0.21 | 0.068 | 11 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS11 | Standard | 14.5 | 152.7 | 137.1 | 333 | 1.7 | 79.4 | 13.0 | 1045 | 2.99 | 42.0 | 90.6 | 7.6 | 58 | 2.4 | 7.6 | 11.1 | 52 | 1.02 | 0.077 | 17 |
| STD DS11 | Standard | 15.0 | 161.5 | 137.6 | 336 | 1.7 | 78.9 | 13.9 | 1037 | 3.17 | 42.5 | 72.3 | 8.0 | 65 | 2.7 | 7.9 | 11.5 | 50 | 1.03 | 0.069 | 18 |
| STD DS11 | Standard | 14.1 | 147.5 | 140.2 | 338 | 1.7 | 78.8 | 13.3 | 1003 | 3.09 | 42.7 | 66.0 | 7.4 | 64 | 2.5 | 7.8 | 11.4 | 46 | 1.05 | 0.072 | 18 |
| STD DS11 | Standard | 13.8 | 143.8 | 136.1 | 350 | 1.6 | 75.2 | 13.6 | 1017 | 3.07 | 41.2 | 86.3 | 7.2 | 63 | 2.5 | 7.8 | 11.3 | 48 | 0.97 | 0.065 | 17 |
| STD DS11 | Standard | 15.1 | 156.3 | 144.1 | 351 | 1.8 | 78.6 | 14.2 | 1048 | 3.25 | 45.4 | 79.5 | 8.6 | 73 | 2.4 | 9.6 | 12.4 | 51 | 1.07 | 0.074 | 20 |
| STD OXC129 | Standard | 1.4 | 27.7 | 6.4 | 45 | <0.1 | 86.5 | 19.9 | 454 | 3.24 | 0.7 | 195.2 | 1.9 | 188 | <0.1 | <0.1 | <0.1 | 56 | 0.64 | 0.099 | 12 |
| STD OXC129 | Standard | 1.2 | 27.1 | 6.3 | 45 | <0.1 | 78.9 | 18.9 | 410 | 3.09 | <0.5 | 198.8 | 1.7 | 195 | <0.1 | <0.1 | <0.1 | 52 | 0.73 | 0.091 | 12 |
| STD OXC129 | Standard | 1.5 | 28.6 | 6.4 | 43 | <0.1 | 82.0 | 21.1 | 396 | 3.16 | 0.6 | 190.9 | 1.8 | 186 | <0.1 | <0.1 | <0.1 | 55 | 0.62 | 0.104 | 12 |
| STD OXC129 | Standard | 1.2 | 25.6 | 6.2 | 41 | <0.1 | 75.3 | 19.2 | 397 | 2.87 | 0.5 | 205.4 | 1.7 | 178 | <0.1 | <0.1 | <0.1 | 50 | 0.63 | 0.089 | 11 |
| STD OXC129 | Standard | 1.4 | 27.0 | 6.7 | 42 | <0.1 | 79.7 | 20.8 | 416 | 3.05 | 0.6 | 196.1 | 2.0 | 197 | <0.1 | <0.1 | <0.1 | 51 | 0.72 | 0.103 | 13 |
| STD OXC129 Expected | | 1.3 | 28 | 6.2 | 42.9 | | 79.5 | 20.3 | 421 | 3.065 | 0.6 | 195 | 1.9 | | | | | 51 | 0.684 | 0.102 | 12.5 |
| 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 |
| 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 | <0.5 | <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 |



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Report Date: August 14, 2018

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QUALITY CONTROL REPORT

VAN18001761.1

| 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 | 0.01 | 0.05 | 1 | 0.5 | 0.2 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | |
| 2000-6700 | Soil | 18 | 0.22 | 56 | 0.080 | 1 | 1.52 | 0.008 | 0.04 | 0.1 | 0.02 | 2.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP 2000-6700 | QC | 17 | 0.23 | 56 | 0.078 | 1 | 1.34 | 0.008 | 0.04 | <0.1 | 0.02 | 2.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2225-6750 | Soil | 30 | 0.33 | 78 | 0.110 | 3 | 2.41 | 0.009 | 0.06 | 0.2 | 0.04 | 3.5 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| REP 2225-6750 | QC | 30 | 0.35 | 76 | 0.110 | 2 | 2.47 | 0.010 | 0.06 | 0.1 | 0.04 | 3.4 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 2425-6800 | Soil | 14 | 0.16 | 64 | 0.082 | <1 | 1.47 | 0.009 | 0.04 | <0.1 | 0.02 | 1.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP 2425-6800 | QC | 15 | 0.16 | 65 | 0.085 | 1 | 1.36 | 0.008 | 0.04 | <0.1 | 0.03 | 1.8 | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 2625-6650 | Soil | 14 | 0.18 | 63 | 0.074 | <1 | 1.81 | 0.009 | 0.04 | 0.1 | 0.04 | 1.9 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP 2625-6650 | QC | 15 | 0.20 | 61 | 0.074 | 2 | 1.89 | 0.010 | 0.05 | 0.1 | 0.06 | 1.8 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 2575-7600 | Soil | 23 | 0.26 | 98 | 0.094 | 2 | 1.51 | 0.009 | 0.04 | <0.1 | 0.03 | 3.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP 2575-7600 | QC | 22 | 0.26 | 94 | 0.091 | <1 | 1.50 | 0.011 | 0.04 | <0.1 | 0.02 | 3.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| Reference Materials | | | | | | | | | | | | | | | | | |
| STD DS11 | Standard | 60 | 0.78 | 356 | 0.079 | 7 | 1.11 | 0.065 | 0.38 | 2.5 | 0.28 | 3.2 | 4.9 | 0.23 | 6 | 2.1 | 4.1 |
| STD DS11 | Standard | 60 | 0.81 | 369 | 0.095 | 9 | 1.16 | 0.072 | 0.37 | 3.0 | 0.28 | 3.5 | 4.9 | 0.30 | 6 | 2.2 | 4.6 |
| STD DS11 | Standard | 59 | 0.80 | 367 | 0.088 | 5 | 1.16 | 0.073 | 0.36 | 3.1 | 0.27 | 3.3 | 5.4 | 0.26 | 5 | 2.0 | 4.8 |
| STD DS11 | Standard | 60 | 0.82 | 327 | 0.083 | 7 | 1.12 | 0.081 | 0.40 | 2.6 | 0.26 | 3.2 | 5.2 | 0.27 | 5 | 1.7 | 4.6 |
| STD DS11 | Standard | 60 | 0.87 | 385 | 0.102 | 7 | 1.20 | 0.072 | 0.41 | 3.2 | 0.28 | 3.4 | 5.0 | 0.26 | 5 | 2.1 | 4.9 |
| STD OXC129 | Standard | 53 | 1.60 | 51 | 0.379 | 2 | 1.63 | 0.566 | 0.36 | <0.1 | <0.01 | 1.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| STD OXC129 | Standard | 53 | 1.40 | 50 | 0.362 | <1 | 1.43 | 0.558 | 0.39 | <0.1 | <0.01 | 0.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| STD OXC129 | Standard | 51 | 1.45 | 49 | 0.369 | 1 | 1.53 | 0.627 | 0.32 | <0.1 | <0.01 | 1.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| STD OXC129 | Standard | 48 | 1.43 | 47 | 0.344 | <1 | 1.39 | 0.591 | 0.42 | <0.1 | <0.01 | 1.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| STD OXC129 | Standard | 50 | 1.49 | 50 | 0.390 | <1 | 1.54 | 0.571 | 0.36 | <0.1 | <0.01 | 1.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| STD OXC129 Expected | | 52 | 1.545 | 50 | 0.4 | 1 | 1.58 | 0.59 | 0.3655 | | | 1.1 | | | 5.5 | | |
| 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 |
| 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 |



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Project: None Given
Report Date: August 14, 2018

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Part: 1 of 2

QUALITY CONTROL REPORT

VAN18001762.1

| Method | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | |
| MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS11 Standard | 16.2 | 163.5 | 148.5 | 350 | 1.7 | 88.6 | 15.8 | 1079 | 3.37 | 44.6 | 70.2 | 8.5 | 67 | 2.4 | 8.0 | 11.9 | 59 | 1.08 | 0.076 | 20 | |
| STD OXC129 Standard | 1.5 | 31.2 | 6.6 | 42 | <0.1 | 81.1 | 23.5 | 458 | 3.34 | 0.8 | 181.3 | 1.9 | 201 | <0.1 | <0.1 | <0.1 | 63 | 0.78 | 0.111 | 13 | |
| STD OXC129 Expected | 1.3 | 28 | 6.2 | 42.9 | | 79.5 | 20.3 | 421 | 3.065 | 0.6 | 195 | 1.9 | | | | | 51 | 0.684 | 0.102 | 12.5 | |
| 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 | |
| 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 | |



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Project: None Given
Report Date: August 14, 2018

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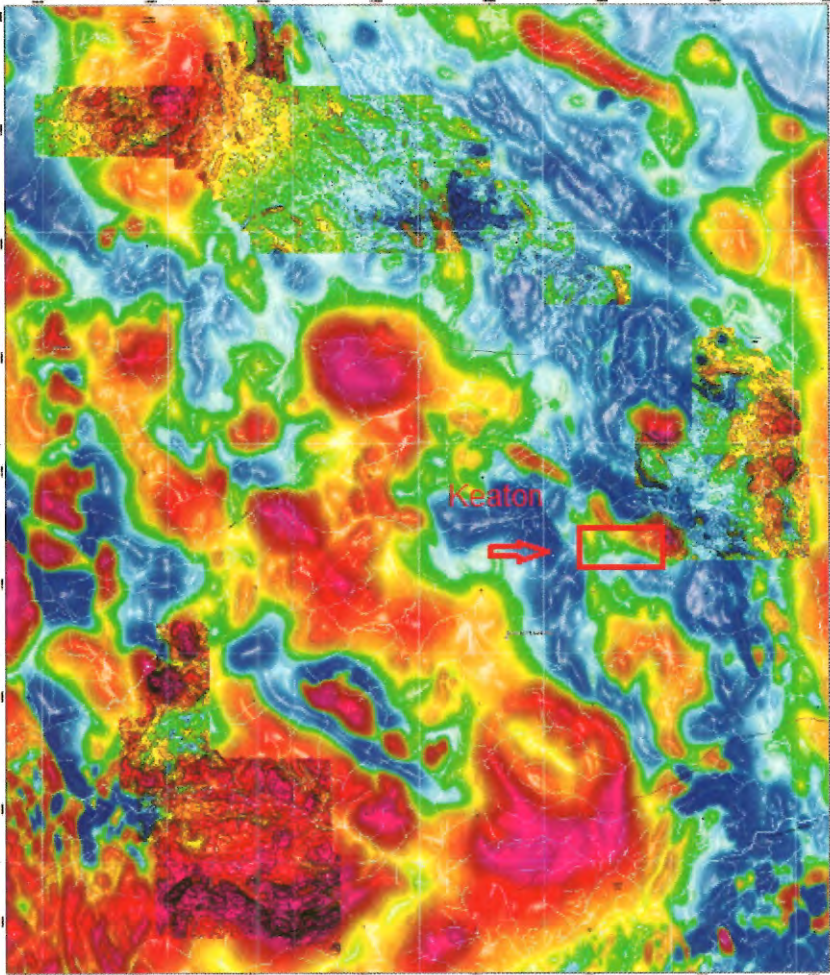
Part: 2 of 2

QUALITY CONTROL REPORT

VAN18001762.1

| Method | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------------------|-------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| Analyte | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te | |
| Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | |
| MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 | |
| Reference Materials | | | | | | | | | | | | | | | | | |
| STD DS11 Standard | 67 | 0.87 | 383 | 0.103 | 8 | 1.20 | 0.070 | 0.40 | 3.1 | 0.26 | 3.4 | 5.2 | 0.30 | 5 | 2.2 | 4.6 | |
| STD OXC129 Standard | 62 | 1.66 | 53 | 0.455 | 2 | 1.71 | 0.618 | 0.39 | <0.1 | <0.01 | 1.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 | |
| STD OXC129 Expected | 52 | 1.545 | 50 | 0.4 | 1 | 1.58 | 0.59 | 0.3655 | | | 1.1 | | | 5.5 | | | |
| 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 | |
| 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 III: Geosciences BC-TREK
Magnetometer Survey Map



Scale

| | | | |
|---------------|-----------------|-----------------|-----------------|
| 1:100,000 | 1:250,000 | 1:500,000 | 1:1,000,000 |
| 1:2,000,000 | 1:4,000,000 | 1:8,000,000 | 1:16,000,000 |
| 1:32,000,000 | 1:64,000,000 | 1:128,000,000 | 1:256,000,000 |
| 1:512,000,000 | 1:1,024,000,000 | 1:2,048,000,000 | 1:4,096,000,000 |



Notes:
 1. This map is a derivative of the 1:50,000 scale topographic map of the area.
 2. The map is based on data collected from 1998 to 2001.
 3. The map is a draft and should not be used for navigation or other purposes.
 4. The map is subject to change without notice.



Geoscience BC
 2008-2011
TREK PROJECT
 Geological and
 Geophysical
 Data Collection
 and Interpretation

DRAFT

APPENDIX IV: Statement of Costs

STATEMENT OF COSTS

Travel to site: Friday May 29, 2018 – Saturday May 30, 2018 (Arrived at 10 pm)

Worked at site: Sunday June 1, 2018 – Thursday June 5, 2018

Travel home from site: Friday June 6, 2018

| | |
|--|-------------------|
| PREPARATORY MAPPING AND PLANNING: | 500 |
| Wages (7 man crew/day) | |
| Foreman @ \$40/hour x 42 hours | 1680 |
| Labourers @ \$30/hour x 192 hours | 5760 |
| Vehicle costs | |
| Trucks 4x4 (3) \$100/day x 8 days | 800 |
| Quads/AT (2) \$135/day x 8 days | 2160 |
| Chain Saws | |
| 2 @ \$30/day x 8 days | 480 |
| Supply Costs | |
| \$100/person/day x 7 nights field board field conditions | 5600 |
| Assessment Reporting and post work office | |
| \$25/hour | 200 |
| Cost of Sample Analysis | |
| 351 samples @ \$25.27 | 8767.56 |
| SubTotal | 25947.56 |
| Transportation | |
| 4712 total km put on vehicles. Cost reduced to 20% of total costs | 3725.64 |
| TOTAL | \$29673.20 |

APPENDIX V: Statement of Qualifications

As an author of this report, I Dave Rozek, certify that:

1. I am an independent prospector residing at 4645 Holmes Rd., Prince George, BC.
2. I have been actively involved in prospecting in North Central BC, for over 30 years and am now financially independent as a result of this resource development
3. I have been employed as a professional prospector by several major and junior mineral exploration companies.
4. I am CEO of my own duly formed limited exploration company.
5. Through collaboration with other professionals in the mineral sector, I have been involved in the generation of millions of dollars for the economy in BC and abroad.

Dave Rozek

Prospector/Resource Development

As an author of this report, I Andrew Davis, certify that:

1. I am an independent prospector residing at #304 – 10301 109 St, Edmonton, AB, T5J 1N4;
2. I have a B.Sc. in Earth Science;
3. I have been actively involved in prospecting in North Central BC since 2005;
4. I have worked in the fields of Natural Resource Development and Engineering for over 25 years as a technologist.

Andrew Davis, B.Sc.