

**2014 Soil Geochemical Survey Report**  
**on the RP Property**

Dawson Mining District, Yukon Territory  
NTS Map Sheets 115N 08 and 115O 05, RP Group HD03322  
UTM NAD 83 Zone 7N: 547000E/7026200N

Dates of field work performed: August 4 and 5, 2014

Prepared by: David L. Emmons

Prepared for: Kinross Gold Corporation  
and Selene Holdings LP

Date of Report: May 22, 2015

## **Summary**

The metamorphic rock package mapped at the RP claim block is similar in composition to the rocks which host the nearby Golden Saddle deposit. The RP claims were staked in 2009 by Underworld Resources because of this lithologic similarity. Underworld is not known to have conducted any exploration activities at RP beyond a limited soil sampling program. Subsequent to acquiring Underworld, Kinross conducted an airborne magnetic and radiometric survey, a stream sediment sampling and prospecting, ridge-and-spur soil sampling since the acquisition of the project in 2010. This report summarizes the grid soil sampling program performed by Ground Truth Exploration on the behalf of Selene Holdings LP in 2013 and 2014. The complete assay results for the 2013 sampling are included in the assessment report submitted in 2014 (Jean-Pierre Londero).

In spite of the lithologic similarities between RP and Golden Saddle, no significant gold mineralization has thus far been demonstrated to occur at RP. Soil sampling along the spaced lines has failed to identify any interesting or prospective zones. Although RP is present geological similarity to Golden Saddle, the RP claim block appears to lack the intersecting fault sets that are believed to be critical for gold mineralization at Golden Saddle.

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## Introduction

This report summarizes the soil geochemistry survey conducted in 2013 by Ground Truth Exploration on the behalf of Selene Holdings LP on the RP claim block in the Dawson Mining District, Yukon Territory. The 2013 and 2014 programs were intended as reconnaissance to evaluate the potential of this claim block to host Golden Saddle-style mineralization. Golden Saddle is a nearby structurally-controlled gold deposit hosted in a faulted package of metamorphic rocks. The RP claim block contains similar metamorphic rocks to those at Golden Saddle, and was thus considered a prospective area for gold mineralization. Field work in 2013 and 2014 included a soil geochemical survey over the majority of the claim block.

### 1.1 Location, Access, and Physiography

The RP claim block is located at the headwaters of Eighteen Mile and Twenty Mile Creeks. The claims are located approximately 40 km northwest from the Green Gulch camp on Thistle Creek, and approximately 75 km southwest of Dawson City.

During the 2014 season the RP project was accessible by helicopter. The ridges on the property generally have suitable landing sites, while the lower spurs, slopes and valleys have fewer suitable landing sites. Helicopter landing zones were cleared at a few sites in stream valleys to facilitate access.

The RP claim block consists of a series of ridges that form a horseshoe shape, open to the south. Ridge tops generally have sparse but continuous outcropping rock, while lower hills and slopes are thickly covered by trees, with limited rock exposure. The highest ridges, located in the northern part of the property, have large exposures of felsenmeer and outcropping rock. Much of the property appears to have been burned by a forest fire in the last five to ten years. Throughout the property, there is a significant difference in soil development and vegetation between the north- and south-facing slopes. North-facing slopes typically have poorly developed soil horizons and more extensive zones of near-surface permafrost.

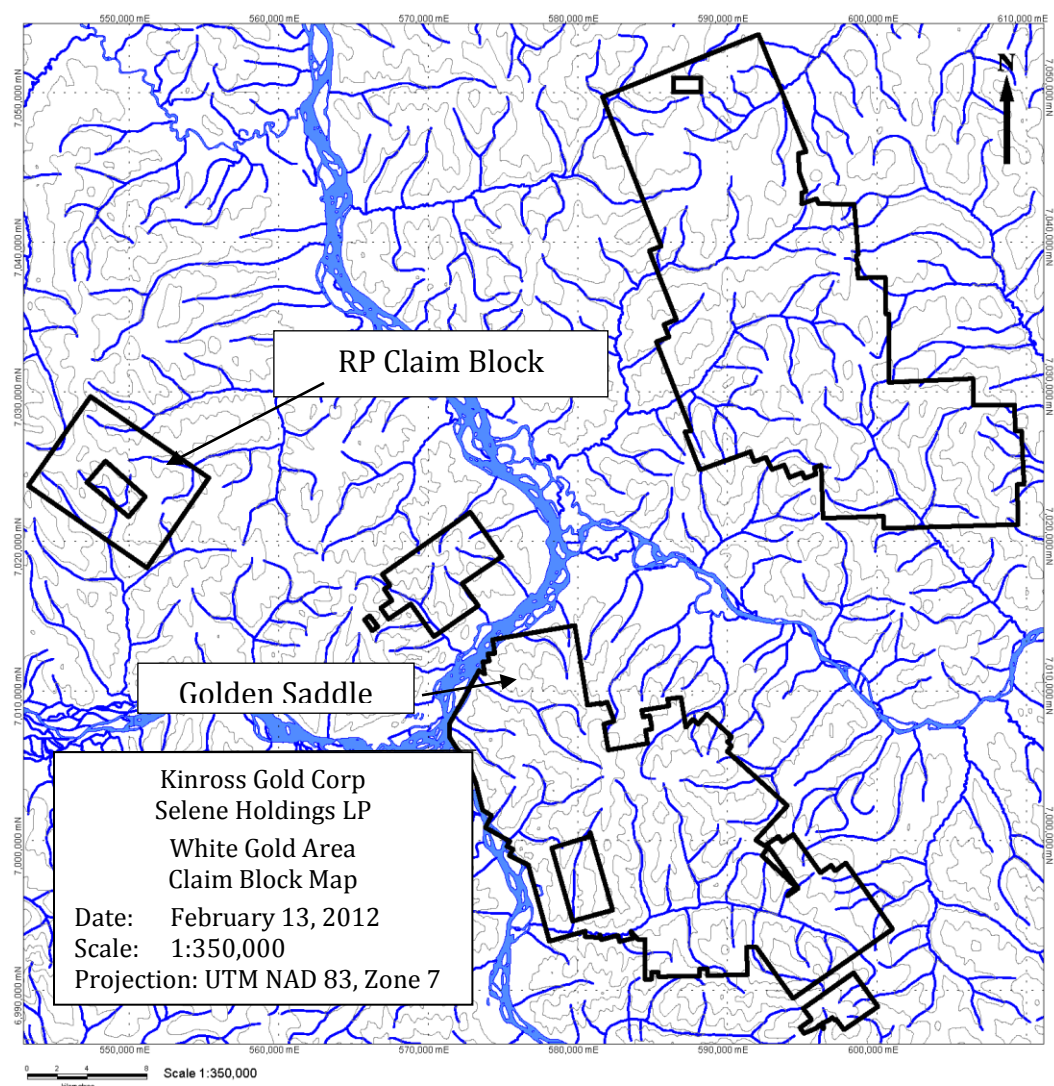


**Figure 1: Location map showing the location of Kinross claim groups in the White Gold Area.**

## 1.2 Property

The RP claim block consists of 336 mineral claims covering an area of ~64 km<sup>2</sup>. The claim block forms a rectangular donut shape; 7.3 by 9.6 kilometres wide, with a 1.9 by 3.5 kilometre hole in the center. Details of individual claims are presented as a table in Appendix 2. Insufficient expenditures were made for the required amount, so “Payment In Lieu” was made for 11 claims (see Appendix 6 for the details).

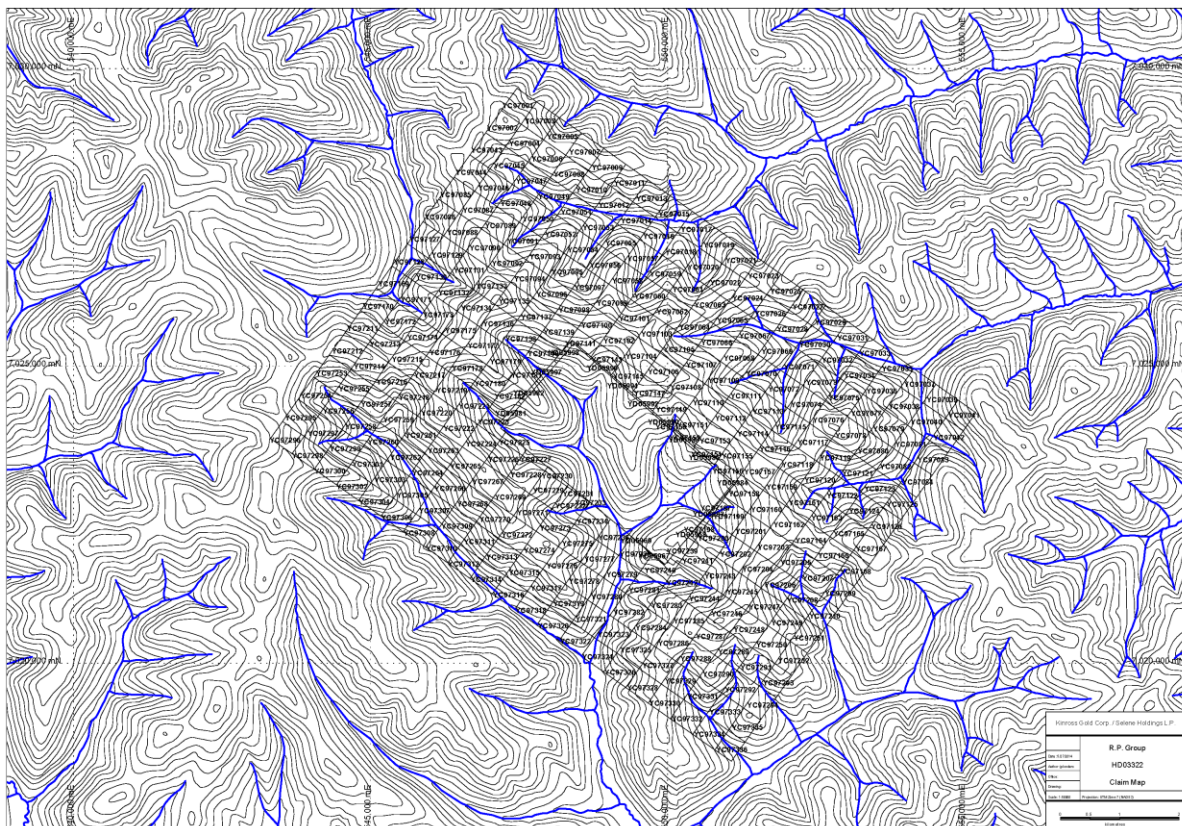


**Figure 2: Claim Map**

## 1.3 Historical Work

The geology of the RP area was mapped by the Geological Survey of Canada as part of the Stewart River map area (Ryan and Gordey, 2005). This mapping describes the RP claims as comprising Devonian to Mississippian quartz-mica schist, amphibolite, and orthogneiss overlain by Cretaceous volcanic and Tertiary intrusive rocks (Figure 3). Most of the lithologic contacts at RP were mapped as approximate or assumed by the Geologic Survey of Canada mapping.

No recent exploration is known to have occurred on the RP claims prior to 2008. In 2008, soil samplers working for Shawn Ryan collected ridge-and-spur soil samples on the central ridge of the property. This initial sampling resulted in a few weakly anomalous gold-in-soil samples. The RP claims were staked by Underworld in 2009 because of their proximity to the White claims and the similarity of mapped rock units to those at White. No further work by Underworld is known to have occurred on the property.

Airborne magnetic and radiometric surveys were flown over the RP claim block as part of Kinross' 2010 airborne survey. The survey was flown by helicopter with 75 meter line spacing over the entire RP claim block. The most prominent feature from this survey is a series of magnetic lineations trending NNW across the property. These linear features are interpreted to be faults. The magnetic survey also highlights the fabric of different rock units on the property.

A stream geochemistry survey and prospecting was carried out in 2011 by Kinross Gold. In spite of the lithologic similarities between RP and Golden Saddle, no significant gold mineralization has thus far been demonstrated to occur at RP. Prospecting, rock chip sampling, and soil sampling along the ridgelines of the property has failed to identify any interesting or prospective zones.

In 2012 a ridge-and-spur soil geochemistry survey was carried out by Selene Holdings L.P. on the entire property. The results of the survey has outlined weak gold in soil anomalies: only 6 samples returned values above 10 ppb Au.

Much of Twenty Mile Creek north of the RP claims is staked for placer mining. Eighteen Mile creek is not known to have any history of placer mining operations. No evidence of recent placer mining activity in the vicinity of RP was observed during 2013.

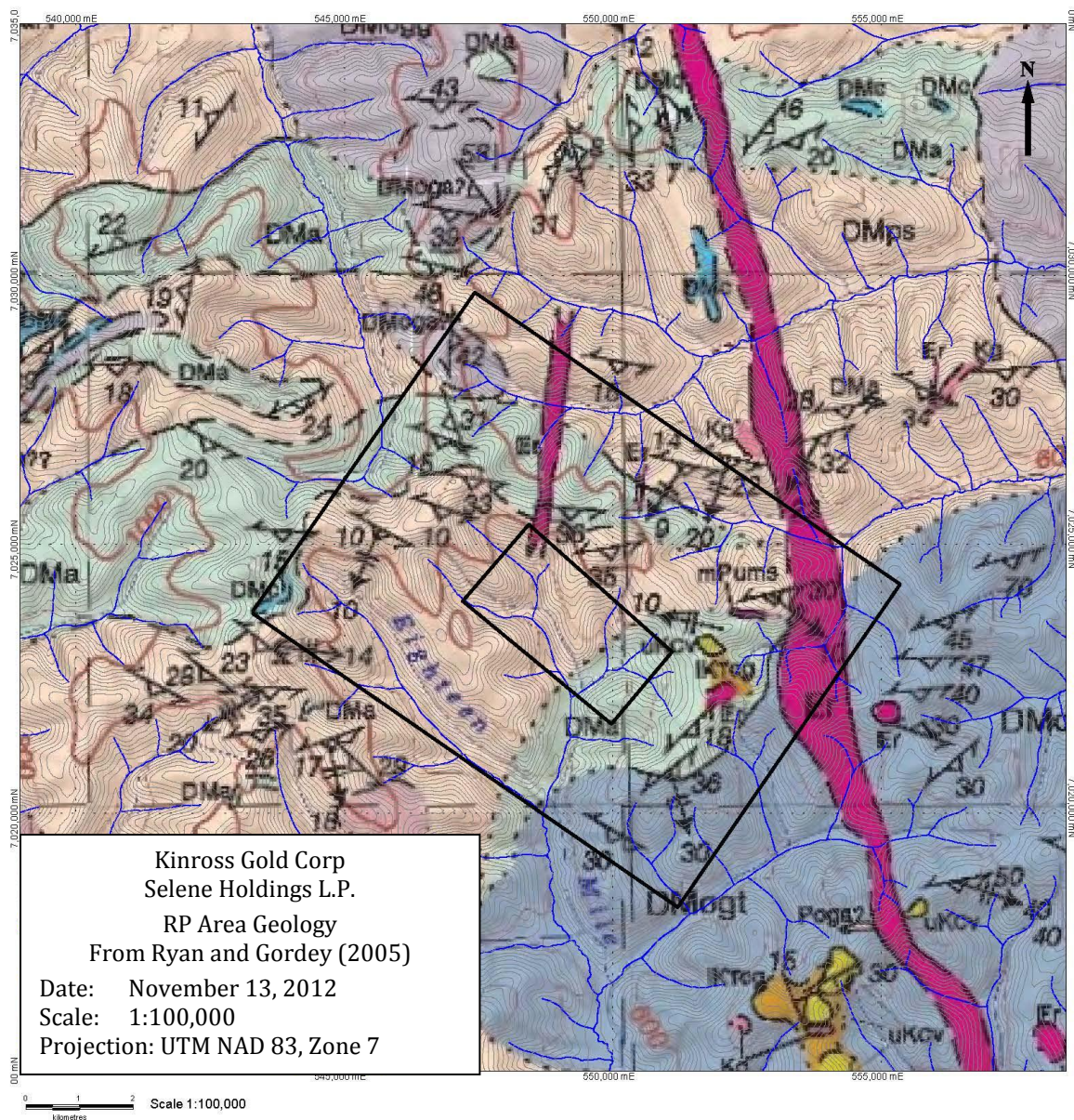


**Figure 3: Geology of the RP Area**, from Ryan and Gordey, 2005. Blue DMogt = Devonian/Mississippian orthogneiss; Green DMA = Devonian/Mississippian amphibolite; Light pink Dps = Devonian/Mississippian quartz mica schist; Green uKCV = Cretaceous Carmacks volcanics; Green IKTcg = Cretaceous conglomerate; Purple Er = Eocene rhyolite porphyry dike.

## 2.0 2013 and 2014 Soil Geochemistry Survey.

The 2013 program at RP was intended as reconnaissance exploration survey to evaluate the potential of this claim block to host Golden Saddle-style mineralization. In 2013, a total of 276 soil samples were collected and analysed. In 2014, a total of 291 soil samples were collected. The location map of the samples from two sampling programs is shown in Figure 4.

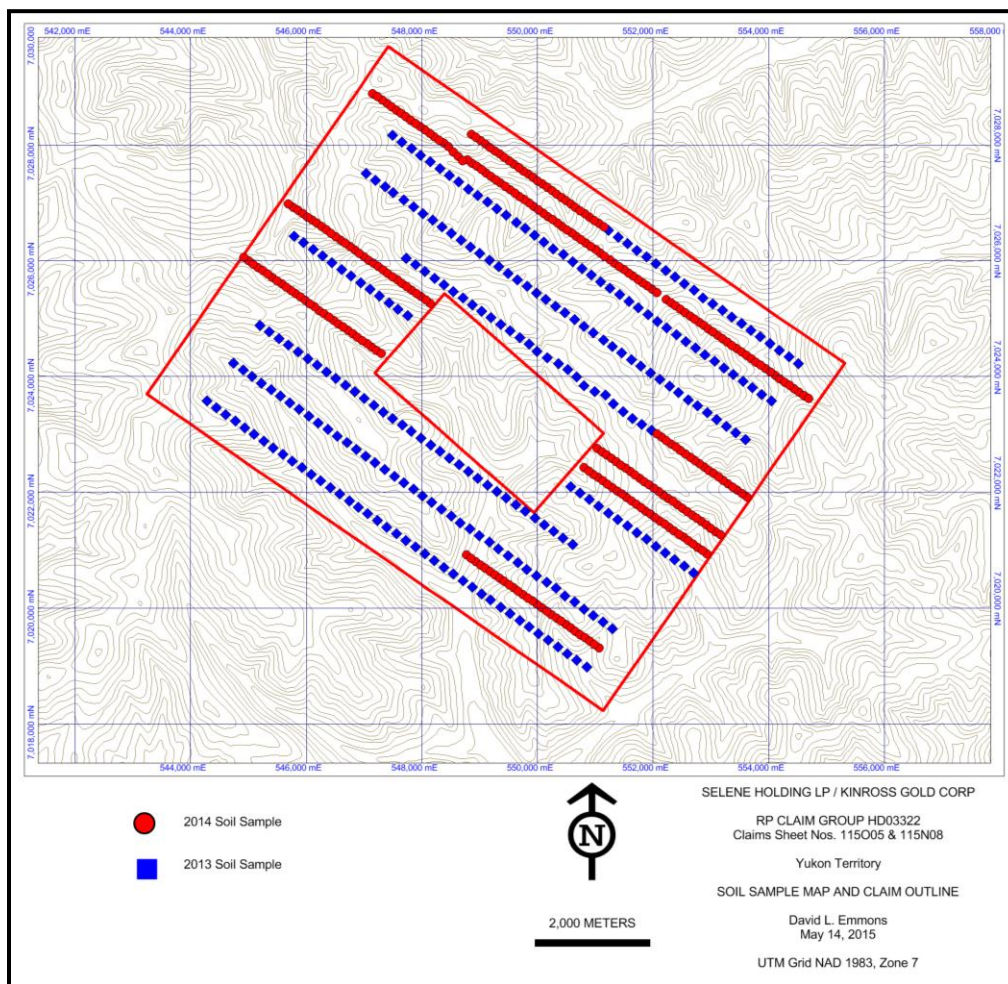


**Figure 4: Sample location map, showing 2013 and 2014 grid soil sampling.**

The soil sampling program was conducted by Ground Truth Exploration by trained technicians. The survey was carried out on a 800 meters line spacing and samples collected every 200 meters. Auger style soil sampling was conducted using a 1.25 m “Dutch Auger”. Sampling targeted the C Horizon, which consists of rock fragments ideally from the underlying bedrock. Due to terrain, vegetation, and/or soil consistency at some locations, it was not always possible to obtain a sample from the C Horizon. Sample depths ranged from

30 cm to 60cm and had an average of about 40 cm. Soil material was placed into labelled Kraft paper envelopes. At each soil sample location, the sampler ID, location, date, soil colour and sample depth were recorded.

Locations of all samples were determined by a GPS. Coordinates of the samples were input directly to a spreadsheet containing the details of the sample location. At the end of the survey, a spreadsheet containing all soil sample information was imported into the soil master database.

The soil samples were delivered to Acme's preparatory lab in Dawson City (2013) or Whitehorse (2014), Yukon. The samples were checked in and then placed in an oven at 60°C until dry. After drying, the sample was sieved using a -80 mesh to procure a 100 g sample. A 15g split of this 100g sample was used for analysis. 37 elements were analysed using the 1DX15 analytical package. Samples were digested using a hot, 95°C, Aqua Regia digestion process before being analyzed by via ICPMS.

Standards were submitted with the soil samples for Qa/Qc. These are identified in the appendix.

All final analyses were received through e-mail or via the Acme Labs website. Signed certificates were delivered in an Adobe PDF format.

### **3.0 Geochemistry**

#### **3.1 Soil Sample Geochemistry**

The 2013 and 2014 soil sampling only revealed a few weakly anomalous gold values. The maximum gold value reported was 11.6 ppb from the 2014 sampling. Approximately 45 of the total samples contained weak anomalies ranging from 5 to 30 ppb Au.

A thematic map of the gold values is presented in Figure 5.

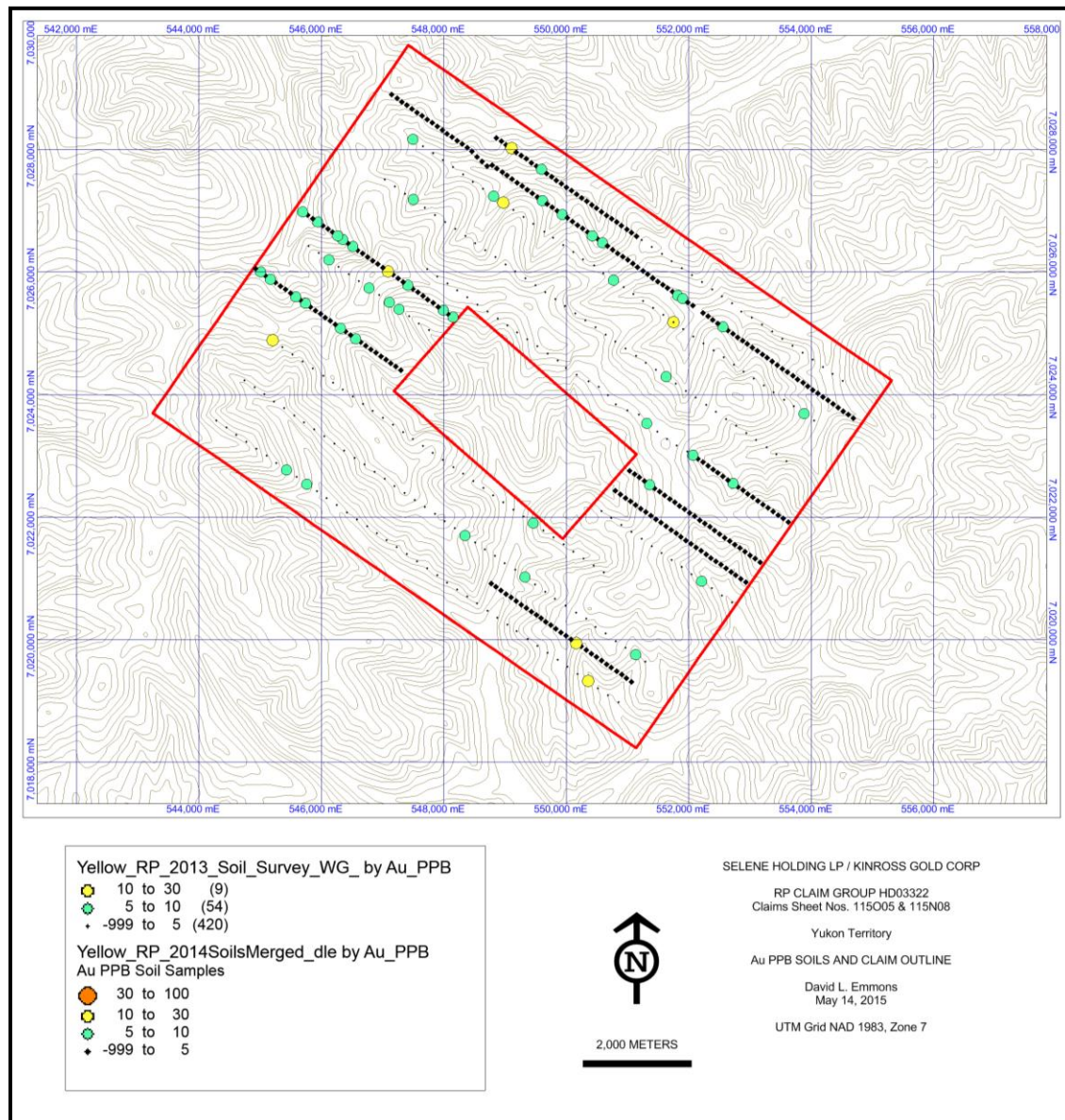


**Figure 5: Thematic map, Au ppb results.**

(Note: The sample count for 2013 includes samples for the Yellow claims)

## **4.0 Summary of Results and Conclusions**

No significant occurrences of gold mineralization were identified on the RP claim block in 2013 or 2014. Only seven (7) samples returned gold values over 10 ppb with the highest values of 20.3 ppb Au. No robust gold anomalies or pathfinder anomalies were outlined during the 2013 and 2014 surveys.

Nevertheless, the geologic map of the claim block could be improved with additional time spent mapping and prospecting. This additional mapping would help confirm the mapped distribution of rock types and constrain lithologic contacts. This exercise will improve the geological understanding of the metamorphic rock package in the area, and will guide our future exploration on the project.

## **5.0 References**

Ryan, J.J., and Gordey, S.P., 2005, Geology, Stewart River Area (115N, 115O and part of 115 J), Yukon Territory, Geological Survey of Canada, Open File 4970, scale 1:250,000.

Paulsen, H.K., Gibson, J., Fleming, A., and King, N., Technical Report on the White Gold Property, Dawson Range, Yukon, for Underworld Resources, February 19, 2010.

Bailey, L., 2011 Geological and Geochemical Reconnaissance Report on the RP Claim Block, Dawson Range, Yukon for Kinross Gold Corp. February 13, 2012.

## 6.0 Statement of qualifications.

I, David L. Emmons, hereby certify that:

- I am a professional geologist. I worked on the above mentioned project for Selene Holdings L.P. in 2012.
- I have worked in gold exploration of the last 35 years.
- I am a graduate of the San Diego State University, California, USA, Bachelor of Science Degree in Geology, 1974.
- I am a Registered Member of the Society for Mining, Metallurgy, and Exploration Inc. SME Member ID 928600RM

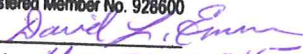
Dated this 22 of May 2015 in Reno, Nevada, USA

Respectfully submitted



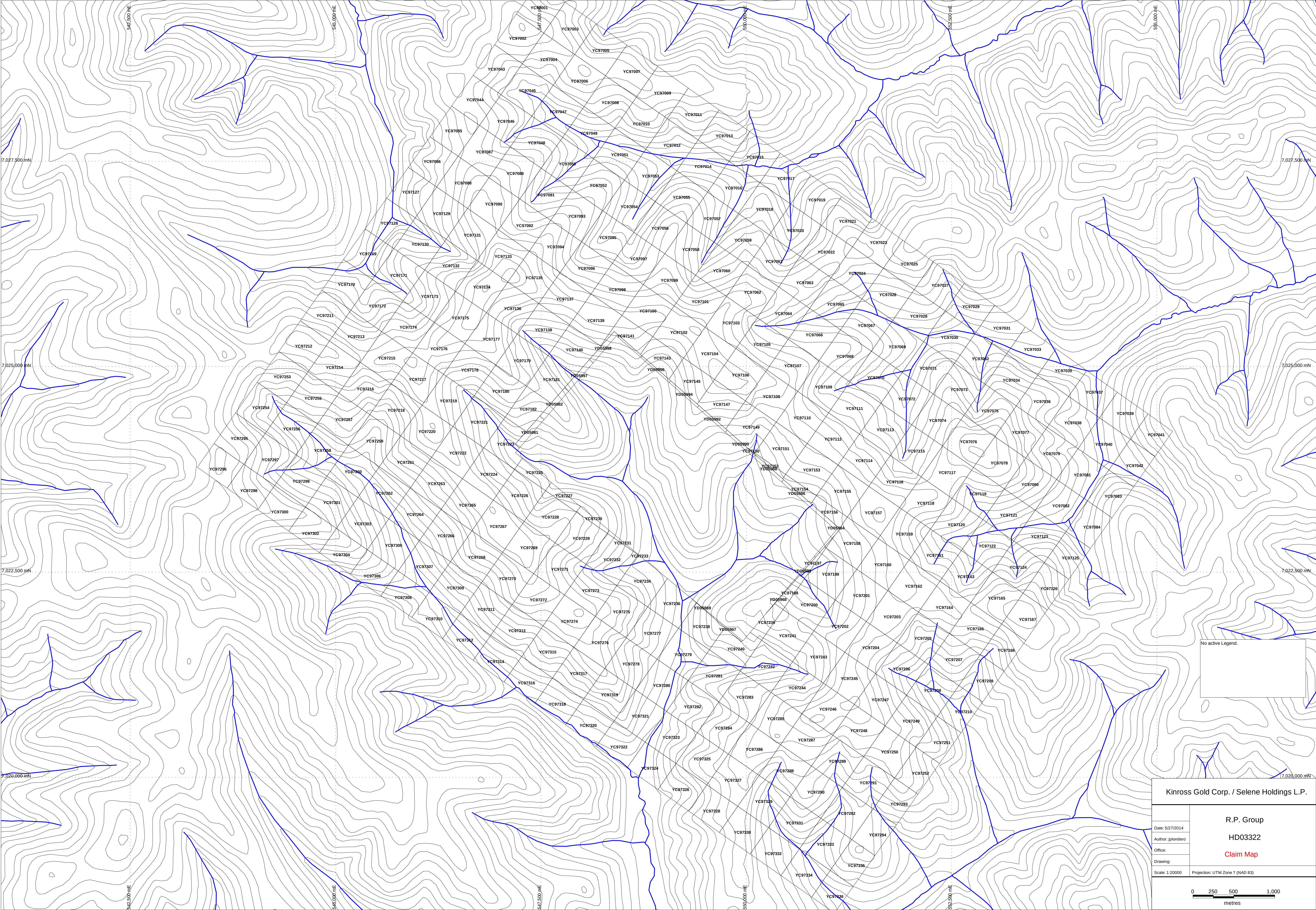
David L. Emmons



David L. Emmons  
SME Registered Member No. 928600  
Signature   
Date Signed May 22, 2015  
Expiration date N/A

## **7.0 Appendix:**

### **7.1 Appendix 1: Claim map.**



No active Legend.

|                                           |                                 |
|-------------------------------------------|---------------------------------|
| Kinross Gold Corp. / Selene Holdings L.P. |                                 |
| R.P. Group                                |                                 |
| HD03322                                   |                                 |
| Claim Map                                 |                                 |
| Date: 5/27/2014                           | Projection: UTM Zone 7 (NAD 83) |
| Author: jplondero                         |                                 |
| Office:                                   |                                 |
| Drawing:                                  |                                 |
| Scale: 1:20000                            |                                 |
| <div>0 250 500 1,000 metres</div>         |                                 |

## 7.2 Appendix 2: List of claims.

**KINROSS GOLD CORP. / SELENE HOLDING LP**  
**DAWSON MINING DISTRICT**  
**RP GROUP HD03322**

| Group              | Grant # | Claim Name | Claim Number | Renewal Date Requested | Annual Work Due | Annual Fees Due | Record Date | NTS Map | Mining District | Owner |
|--------------------|---------|------------|--------------|------------------------|-----------------|-----------------|-------------|---------|-----------------|-------|
| RP Group # HD03322 |         |            |              |                        | \$32,500.00     | \$1,625.00      |             |         |                 |       |

325 claims

|    |         |    |    |             |          |        |           |        |        |                          |
|----|---------|----|----|-------------|----------|--------|-----------|--------|--------|--------------------------|
| RP | YC97001 | RP | 1  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97002 | RP | 2  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97003 | RP | 3  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97004 | RP | 4  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97005 | RP | 5  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97006 | RP | 6  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97007 | RP | 7  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97008 | RP | 8  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97009 | RP | 9  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97010 | RP | 10 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97011 | RP | 11 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97012 | RP | 12 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97013 | RP | 13 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97014 | RP | 14 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97015 | RP | 15 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97016 | RP | 16 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97017 | RP | 17 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97018 | RP | 18 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97019 | RP | 19 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97020 | RP | 20 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97021 | RP | 21 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97022 | RP | 22 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97023 | RP | 23 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97024 | RP | 24 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97025 | RP | 25 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97026 | RP | 26 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97027 | RP | 27 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97028 | RP | 28 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
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| RP | YC97030 | RP | 30 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97031 | RP | 31 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97032 | RP | 32 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97033 | RP | 33 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97034 | RP | 34 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97035 | RP | 35 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97036 | RP | 36 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97037 | RP | 37 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
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| RP | YC97040 | RP | 40 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97041 | RP | 41 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97042 | RP | 42 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97043 | RP | 43 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97044 | RP | 44 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
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| RP | YC97046 | RP | 46 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
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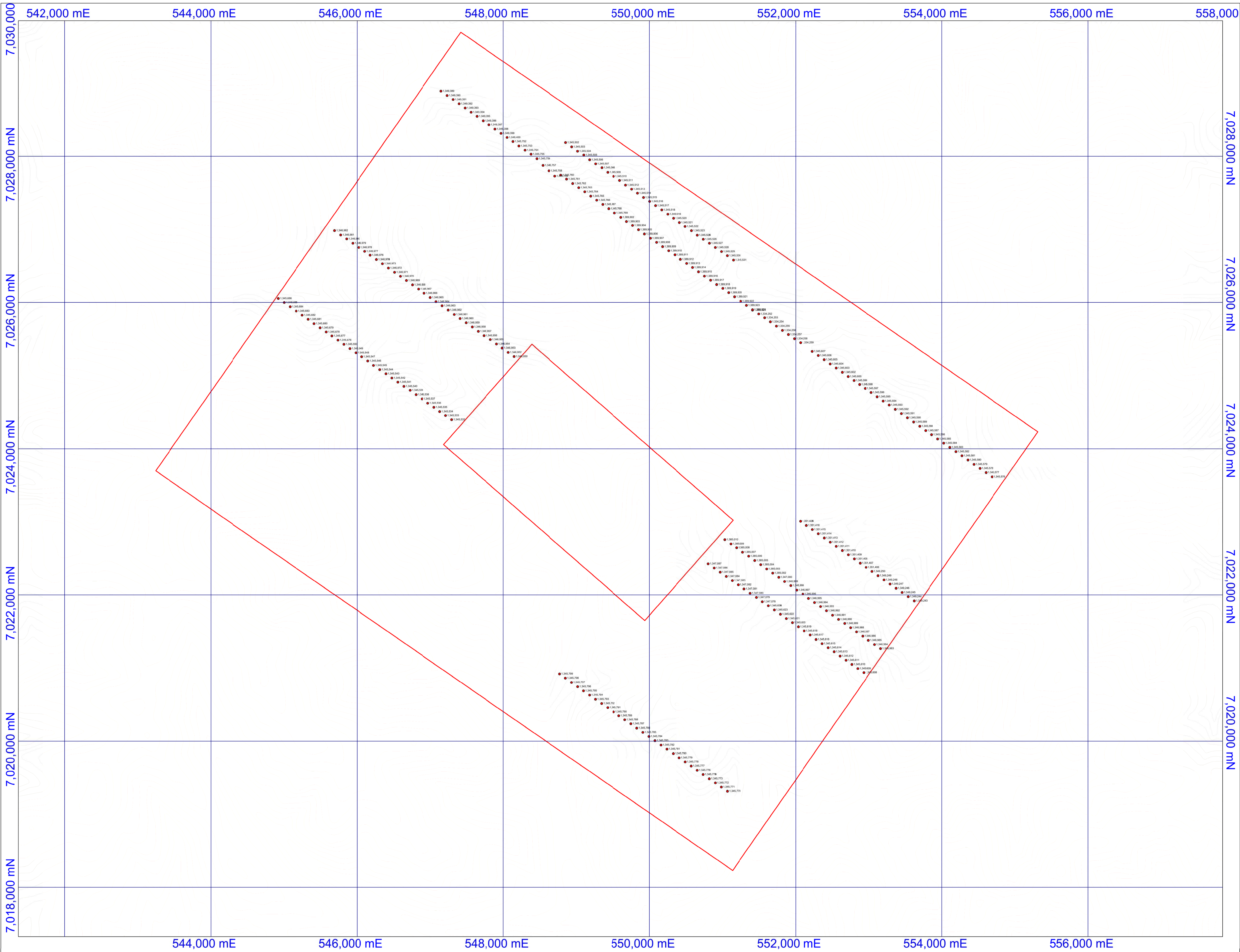
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[illegible]

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|    |         |    |     |             |          |        |           |        |        |                          |
|----|---------|----|-----|-------------|----------|--------|-----------|--------|--------|--------------------------|
| RP | YC97330 | RP | 330 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
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| RP | YC97333 | RP | 333 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97334 | RP | 334 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97335 | RP | 335 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97336 | RP | 336 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |

### 7.3 Appendix 3: Location map, soil sample.



2,000 METERS

SELENE HOLDING LP / KINROSS GOLD CORP  
RP CLAIM GROUP HD03322  
Claims Sheet Nos. 115O05 & 115N08  
Yukon Territory  
2014 SOIL SAMPLE MAP AND CLAIM OUTLINE  
David L. Emmons  
May 14, 2015  
SCALE 1:20,000  
UTM Grid NAD 1983, Zone 7

#### 7.4 Appendix 4: Soil samples coordinate and description.

| RP Soil Sample Descriptions and Coordinates (2014 Sampling) See digital file for complete descriptions. |            |               |          |             |           |          |          | NAD 1983   |                 |
|---------------------------------------------------------------------------------------------------------|------------|---------------|----------|-------------|-----------|----------|----------|------------|-----------------|
| sample_id                                                                                               | project_id | technician_id | utm_zone | utm_easting | utm_north | time     | date     | method     | colour          |
| 1345769                                                                                                 | RPP        | PS01          | 7        | 549524      | 7027225   | 15:27:21 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1385010                                                                                                 | RPP        | RF01          | 7        | 551030      | 7022757   | 14:45:35 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345686                                                                                                 | RPP        | CP01          | 7        | 544922      | 7026055   | 15:38:00 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345607                                                                                                 | RPP        | HB03          | 7        | 552227      | 7025333   | 15:20:24 | 4/8/2014 | Hand Auger | Dark Grey Black |
| 1345764                                                                                                 | RPP        | PS01          | 7        | 549114      | 7027515   | 14:38:21 | 4/8/2014 | Hand Auger | Bluish Grey     |
| 1345765                                                                                                 | RPP        | PS01          | 7        | 549195      | 7027456   | 14:49:34 | 4/8/2014 | Hand Auger | Bluish Grey     |
| 1345767                                                                                                 | RPP        | PS01          | 7        | 549360      | 7027341   | 15:06:18 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345766                                                                                                 | RPP        | PS01          | 7        | 549277      | 7027400   | 14:57:56 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1345768                                                                                                 | RPP        | PS01          | 7        | 549441      | 7027284   | 15:15:16 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345761                                                                                                 | RPP        | PS01          | 7        | 548867      | 7027688   | 14:00:08 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345760                                                                                                 | RPP        | PS01          | 7        | 548787      | 7027743   | 13:49:51 | 4/8/2014 | Hand Auger | Light Brown     |
| 1345762                                                                                                 | RPP        | PS01          | 7        | 548950      | 7027629   | 14:09:57 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345513                                                                                                 | RPP        | CP01          | 7        | 549758      | 7027552   | 12:10:58 | 4/8/2014 | Hand Auger | Light Brown     |
| 1345514                                                                                                 | RPP        | CP01          | 7        | 549838      | 7027496   | 12:20:45 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345515                                                                                                 | RPP        | CP01          | 7        | 549920      | 7027438   | 12:27:40 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1345517                                                                                                 | RPP        | CP01          | 7        | 550084      | 7027325   | 12:48:36 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1345516                                                                                                 | RPP        | CP01          | 7        | 550003      | 7027383   | 12:37:02 | 4/8/2014 | Hand Auger | Grey            |
| 1345518                                                                                                 | RPP        | CP01          | 7        | 550168      | 7027268   | 13:05:01 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345519                                                                                                 | RPP        | CP01          | 7        | 550251      | 7027209   | 13:17:21 | 4/8/2014 | Hand Auger | Grey            |
| 1345520                                                                                                 | RPP        | CP01          | 7        | 550329      | 7027152   | 13:27:13 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345521                                                                                                 | RPP        | CP01          | 7        | 550412      | 7027094   | 13:38:14 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345522                                                                                                 | RPP        | CP01          | 7        | 550489      | 7027040   | 13:49:22 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345528                                                                                                 | RPP        | CP01          | 7        | 550901      | 7026754   | 14:54:44 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345523                                                                                                 | RPP        | CP01          | 7        | 550576      | 7026982   | 13:57:16 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345525                                                                                                 | RPP        | CP01          | 7        | 550655      | 7026922   | 14:14:04 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1345524                                                                                                 | RPP        | CP01          | 7        | 550655      | 7026922   | 14:08:46 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1345527                                                                                                 | RPP        | CP01          | 7        | 550821      | 7026811   | 14:33:25 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345526                                                                                                 | RPP        | CP01          | 7        | 550737      | 7026866   | 14:21:04 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345530                                                                                                 | RPP        | CP01          | 7        | 551065      | 7026640   | 15:18:02 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1345529                                                                                                 | RPP        | CP01          | 7        | 550985      | 7026697   | 15:04:48 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345753                                                                                                 | RPP        | PS01          | 7        | 548214      | 7028142   | 12:05:50 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345752                                                                                                 | RPP        | PS01          | 7        | 548133      | 7028201   | 11:55:36 | 4/8/2014 | Hand Auger | Reddish Yellow  |
| 1349400                                                                                                 | RPP        | PS01          | 7        | 548053      | 7028257   | 11:41:00 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345531                                                                                                 | RPP        | CP01          | 7        | 551148      | 7026582   | 15:26:45 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1349399                                                                                                 | RPP        | PS01          | 7        | 547971      | 7028315   | 11:32:06 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345754                                                                                                 | RPP        | PS01          | 7        | 548298      | 7028084   | 12:15:16 | 4/8/2014 | Hand Auger | Bluish Grey     |
| 1345755                                                                                                 | RPP        | PS01          | 7        | 548379      | 7028029   | 12:27:59 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345756                                                                                                 | RPP        | PS01          | 7        | 548460      | 7027969   | 12:41:14 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1345502                                                                                                 | RPP        | CP01          | 7        | 548853      | 7028187   | 10:17:45 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345504                                                                                                 | RPP        | CP01          | 7        | 549016      | 7028070   | 10:35:46 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345503                                                                                                 | RPP        | CP01          | 7        | 548936      | 7028130   | 10:28:00 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345505                                                                                                 | RPP        | CP01          | 7        | 549101      | 7028017   | 10:47:14 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345506                                                                                                 | RPP        | CP01          | 7        | 549181      | 7027954   | 11:00:37 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345763                                                                                                 | RPP        | PS01          | 7        | 549032      | 7027572   | 14:18:46 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1345757                                                                                                 | RPP        | PS01          | 7        | 548542      | 7027876   | 12:51:09 | 4/8/2014 | Hand Auger | Reddish Brown   |
| 1345758                                                                                                 | RPP        | PS01          | 7        | 548624      | 7027802   | 13:00:55 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345759                                                                                                 | RPP        | PS01          | 7        | 548705      | 7027729   | 13:11:15 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345683                                                                                                 | RPP        | CP01          | 7        | 545168      | 7025884   | 15:12:57 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345508                                                                                                 | RPP        | CP01          | 7        | 549348      | 7027844   | 11:19:22 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345510                                                                                                 | RPP        | CP01          | 7        | 549509      | 7027726   | 11:41:55 | 4/8/2014 | Hand Auger | Light Brown     |
| 1345509                                                                                                 | RPP        | CP01          | 7        | 549428      | 7027782   | 11:31:13 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345512                                                                                                 | RPP        | CP01          | 7        | 549675      | 7027608   | 11:59:59 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1345511                                                                                                 | RPP        | CP01          | 7        | 549594      | 7027670   | 11:51:19 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345599                                                                                                 | RPP        | HB03          | 7        | 552799      | 7024933   | 14:04:20 | 4/8/2014 | Hand Auger | Greyish Green   |
| 1345598                                                                                                 | RPP        | HB03          | 7        | 552875      | 7024879   | 13:53:18 | 4/8/2014 | Hand Auger | Greyish Green   |
| 1345597                                                                                                 | RPP        | HB03          | 7        | 552952      | 7024825   | 13:42:08 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345680                                                                                                 | RPP        | CP01          | 7        | 545412      | 7025711   | 14:40:17 | 5/8/2014 | Hand Auger | Grey            |
| 1345682                                                                                                 | RPP        | CP01          | 7        | 545250      | 7025827   | 15:03:22 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1345681                                                                                                 | RPP        | CP01          | 7        | 545332      | 7025770   | 14:55:59 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345595                                                                                                 | RPP        | HB03          | 7        | 553117      | 7024710   | 13:18:37 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345596                                                                                                 | RPP        | HB03          | 7        | 553034      | 7024768   | 13:29:33 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1349389                                                                                                 | RPP        | PS01          | 7        | 547149      | 7028890   | 9:55:26  | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345507                                                                                                 | RPP        | CP01          | 7        | 549262      | 7027898   | 11:12:06 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1349392                                                                                                 | RPP        | PS01          | 7        | 547397      | 7028717   | 10:23:45 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1349391                                                                                                 | RPP        | PS01          | 7        | 547315      | 7028776   | 10:15:44 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1349390                                                                                                 | RPP        | PS01          | 7        | 547233      | 7028832   | 10:06:25 | 4/8/2014 | Hand Auger | Chocolate Brown |

| RP Soil Sample Descriptions and Coordinates (2014 Sampling) See digital file for complete descriptions. |            |               |          |             |           |          |          | NAD 1983   |                 |
|---------------------------------------------------------------------------------------------------------|------------|---------------|----------|-------------|-----------|----------|----------|------------|-----------------|
| sample_id                                                                                               | project_id | technician_id | utm_zone | utm_easting | utm_north | time     | date     | method     | colour          |
| 1349393                                                                                                 | RPP        | PS01          | 7        | 547479      | 7028661   | 10:33:41 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1349394                                                                                                 | RPP        | PS01          | 7        | 547560      | 7028602   | 10:42:36 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1349395                                                                                                 | RPP        | PS01          | 7        | 547641      | 7028546   | 10:53:15 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1349396                                                                                                 | RPP        | PS01          | 7        | 547725      | 7028486   | 11:03:23 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1349397                                                                                                 | RPP        | PS01          | 7        | 547806      | 7028432   | 11:11:33 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1349398                                                                                                 | RPP        | PS01          | 7        | 547888      | 7028372   | 11:23:07 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346981                                                                                                 | RPP        | RF01          | 7        | 545775      | 7026925   | 15:25:13 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346982                                                                                                 | RPP        | RF01          | 7        | 545691      | 7026983   | 15:35:25 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1346980                                                                                                 | RPP        | RF01          | 7        | 545857      | 7026871   | 15:14:47 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346979                                                                                                 | RPP        | RF01          | 7        | 545941      | 7026811   | 15:05:06 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346978                                                                                                 | RPP        | RF01          | 7        | 546022      | 7026754   | 14:57:25 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1346977                                                                                                 | RPP        | RF01          | 7        | 546105      | 7026700   | 14:47:45 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346976                                                                                                 | RPP        | RF01          | 7        | 546179      | 7026647   | 14:39:15 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346970                                                                                                 | RPP        | RF01          | 7        | 546592      | 7026358   | 13:38:11 | 4/8/2014 | Hand Auger | Grey            |
| 1346975                                                                                                 | RPP        | RF01          | 7        | 546265      | 7026589   | 14:22:50 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346974                                                                                                 | RPP        | RF01          | 7        | 546265      | 7026589   | 14:21:19 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346973                                                                                                 | RPP        | RF01          | 7        | 546347      | 7026531   | 14:11:25 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1334258                                                                                                 | RPP        | SD02          | 7        | 551982      | 7025506   | 14:28:10 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346972                                                                                                 | RPP        | RF01          | 7        | 546428      | 7026471   | 13:58:14 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346971                                                                                                 | RPP        | RF01          | 7        | 546512      | 7026414   | 13:47:31 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1334257                                                                                                 | RPP        | SD02          | 7        | 551899      | 7025563   | 14:18:03 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1334256                                                                                                 | RPP        | SD02          | 7        | 551818      | 7025619   | 14:10:10 | 4/8/2014 | Hand Auger | Dark Grey Black |
| 1334255                                                                                                 | RPP        | SD02          | 7        | 551736      | 7025677   | 14:01:55 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1346967                                                                                                 | RPP        | RF01          | 7        | 546839      | 7026184   | 13:08:07 | 4/8/2014 | Mattock    | Chocolate Brown |
| 1334254                                                                                                 | RPP        | SD02          | 7        | 551654      | 7025736   | 13:52:59 | 4/8/2014 | Hand Auger | Yellow          |
| 1334253                                                                                                 | RPP        | SD02          | 7        | 551576      | 7025791   | 13:45:52 | 4/8/2014 | Hand Auger | Grey            |
| 1346968                                                                                                 | RPP        | RF01          | 7        | 546756      | 7026242   | 13:16:59 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346969                                                                                                 | RPP        | RF01          | 7        | 546673      | 7026300   | 13:27:27 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1334252                                                                                                 | RPP        | SD02          | 7        | 551496      | 7025844   | 13:38:09 | 4/8/2014 | Hand Auger | Grey            |
| 1346958                                                                                                 | RPP        | RF01          | 7        | 547576      | 7025666   | 11:08:19 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346965                                                                                                 | RPP        | RF01          | 7        | 547003      | 7026068   | 12:21:43 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346966                                                                                                 | RPP        | RF01          | 7        | 546919      | 7026126   | 12:56:28 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346964                                                                                                 | RPP        | RF01          | 7        | 547082      | 7026011   | 12:14:35 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346963                                                                                                 | RPP        | RF01          | 7        | 547165      | 7025954   | 12:02:47 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346962                                                                                                 | RPP        | RF01          | 7        | 547248      | 7025897   | 11:54:13 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346961                                                                                                 | RPP        | RF01          | 7        | 547331      | 7025836   | 11:42:49 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346960                                                                                                 | RPP        | RF01          | 7        | 547410      | 7025780   | 11:31:29 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346957                                                                                                 | RPP        | RF01          | 7        | 547658      | 7025606   | 10:55:07 | 4/8/2014 | Hand Auger | Reddish Yellow  |
| 1346955                                                                                                 | RPP        | RF01          | 7        | 547825      | 7025493   | 10:33:08 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346959                                                                                                 | RPP        | RF01          | 7        | 547493      | 7025723   | 11:20:00 | 4/8/2014 | Hand Auger | Reddish Yellow  |
| 1346956                                                                                                 | RPP        | RF01          | 7        | 547736      | 7025548   | 10:43:22 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346953                                                                                                 | RPP        | RF01          | 7        | 547986      | 7025378   | 10:13:31 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346954                                                                                                 | RPP        | RF01          | 7        | 547909      | 7025432   | 10:21:16 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345685                                                                                                 | RPP        | CP01          | 7        | 545003      | 7025999   | 15:29:29 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1346950                                                                                                 | RPP        | RF01          | 7        | 548149      | 7025261   | 9:53:30  | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1346952                                                                                                 | RPP        | RF01          | 7        | 548068      | 7025318   | 10:04:04 | 4/8/2014 | Hand Auger | Reddish Yellow  |
| 1389920                                                                                                 | RPP        | SD02          | 7        | 551083      | 7026134   | 12:47:15 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345606                                                                                                 | RPP        | HB03          | 7        | 552310      | 7025275   | 15:10:29 | 4/8/2014 | Hand Auger | Dark Grey Black |
| 1345605                                                                                                 | RPP        | HB03          | 7        | 552391      | 7025218   | 15:02:01 | 4/8/2014 | Hand Auger | Greyish Green   |
| 1389919                                                                                                 | RPP        | SD02          | 7        | 551003      | 7026194   | 12:39:20 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1389923                                                                                                 | RPP        | SD02          | 7        | 551328      | 7025960   | 13:12:37 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345604                                                                                                 | RPP        | HB03          | 7        | 552473      | 7025160   | 14:48:02 | 4/8/2014 | Hand Auger | Greyish Green   |
| 1389924                                                                                                 | RPP        | SD02          | 7        | 551411      | 7025897   | 13:20:44 | 4/8/2014 | Hand Auger | Grey            |
| 1345603                                                                                                 | RPP        | HB03          | 7        | 552555      | 7025103   | 14:38:36 | 4/8/2014 | Hand Auger | Greyish Green   |
| 1389922                                                                                                 | RPP        | SD02          | 7        | 551249      | 7026017   | 13:04:19 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345602                                                                                                 | RPP        | HB03          | 7        | 552639      | 7025046   | 14:28:50 | 4/8/2014 | Hand Auger | Greyish Green   |
| 1389925                                                                                                 | RPP        | SD02          | 7        | 551411      | 7025901   | 13:24:07 | 4/8/2014 | Hand Auger | Grey            |
| 1389921                                                                                                 | RPP        | SD02          | 7        | 551163      | 7026078   | 12:55:50 | 4/8/2014 | Hand Auger | Reddish Brown   |
| 1389915                                                                                                 | RPP        | SD02          | 7        | 550672      | 7026420   | 11:52:52 | 4/8/2014 | Hand Auger | Grey            |
| 1389916                                                                                                 | RPP        | SD02          | 7        | 550753      | 7026360   | 12:12:33 | 4/8/2014 | Hand Auger | Grey            |
| 1389918                                                                                                 | RPP        | SD02          | 7        | 550919      | 7026246   | 12:32:08 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1389914                                                                                                 | RPP        | SD02          | 7        | 550591      | 7026479   | 11:43:58 | 4/8/2014 | Hand Auger | Grey            |
| 1389912                                                                                                 | RPP        | SD02          | 7        | 550425      | 7026591   | 11:22:05 | 4/8/2014 | Hand Auger | Grey            |
| 1389917                                                                                                 | RPP        | SD02          | 7        | 550837      | 7026304   | 12:21:42 | 4/8/2014 | Hand Auger | Dark Grey Black |
| 1389913                                                                                                 | RPP        | SD02          | 7        | 550511      | 7026535   | 11:29:20 | 4/8/2014 | Hand Auger | Grey            |
| 1389906                                                                                                 | RPP        | SD02          | 7        | 549932      | 7026938   | 10:34:19 | 4/8/2014 | Hand Auger | Dark Brown      |

| RP Soil Sample Descriptions and Coordinates (2014 Sampling) See digital file for complete descriptions. |            |               |          |             |           |          |          | NAD 1983   |                 |
|---------------------------------------------------------------------------------------------------------|------------|---------------|----------|-------------|-----------|----------|----------|------------|-----------------|
| sample_id                                                                                               | project_id | technician_id | utm_zone | utm_easting | utm_north | time     | date     | method     | colour          |
| 1389911                                                                                                 | RPP        | SD02          | 7        | 550348      | 7026652   | 11:14:51 | 4/8/2014 | Hand Auger | Grey            |
| 1389909                                                                                                 | RPP        | SD02          | 7        | 550180      | 7026765   | 11:00:18 | 4/8/2014 | Hand Auger | Grey            |
| 1389908                                                                                                 | RPP        | SD02          | 7        | 550098      | 7026823   | 10:53:48 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1389910                                                                                                 | RPP        | SD02          | 7        | 550263      | 7026708   | 11:06:24 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1389907                                                                                                 | RPP        | SD02          | 7        | 550015      | 7026880   | 10:44:44 | 4/8/2014 | Hand Auger | Grey            |
| 1389905                                                                                                 | RPP        | SD02          | 7        | 549852      | 7026995   | 10:24:05 | 4/8/2014 | Hand Auger | Dark Brown      |
| 1389904                                                                                                 | RPP        | SD02          | 7        | 549771      | 7027054   | 10:17:37 | 4/8/2014 | Hand Auger | Grey            |
| 1389903                                                                                                 | RPP        | SD02          | 7        | 549688      | 7027108   | 10:11:31 | 4/8/2014 | Hand Auger | Grey            |
| 1389902                                                                                                 | RPP        | SD02          | 7        | 549611      | 7027164   | 9:58:45  | 4/8/2014 | Hand Auger | Grey            |
| 1345600                                                                                                 | RPP        | HB03          | 7        | 552718      | 7024989   | 14:18:30 | 4/8/2014 | Hand Auger | Greyish Green   |
| 1345594                                                                                                 | RPP        | HB03          | 7        | 553199      | 7024653   | 13:08:03 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345684                                                                                                 | RPP        | CP01          | 7        | 545084      | 7025941   | 15:21:49 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1345591                                                                                                 | RPP        | HB03          | 7        | 553447      | 7024481   | 12:34:25 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345593                                                                                                 | RPP        | HB03          | 7        | 553281      | 7024597   | 12:56:40 | 4/8/2014 | Hand Auger | Greyish Green   |
| 1345592                                                                                                 | RPP        | HB03          | 7        | 553364      | 7024538   | 12:46:53 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345590                                                                                                 | RPP        | HB03          | 7        | 553529      | 7024422   | 12:20:59 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345589                                                                                                 | RPP        | HB03          | 7        | 553613      | 7024365   | 12:10:21 | 4/8/2014 | Hand Auger | Greyish Green   |
| 1345588                                                                                                 | RPP        | HB03          | 7        | 553697      | 7024308   | 12:00:42 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345587                                                                                                 | RPP        | HB03          | 7        | 553778      | 7024248   | 11:46:27 | 4/8/2014 | Hand Auger | Dark Grey Black |
| 1345585                                                                                                 | RPP        | HB03          | 7        | 553944      | 7024134   | 11:23:20 | 4/8/2014 | Hand Auger | Greyish Green   |
| 1345583                                                                                                 | RPP        | HB03          | 7        | 554110      | 7024018   | 11:05:06 | 4/8/2014 | Hand Auger | Chocolate Brown |
| 1345586                                                                                                 | RPP        | HB03          | 7        | 553862      | 7024192   | 11:32:48 | 4/8/2014 | Hand Auger | Greyish Green   |
| 1345578                                                                                                 | RPP        | HB03          | 7        | 554521      | 7023729   | 10:13:22 | 4/8/2014 | Hand Auger | Dark Grey Black |
| 1345582                                                                                                 | RPP        | HB03          | 7        | 554193      | 7023961   | 10:53:49 | 4/8/2014 | Hand Auger | Greyish Green   |
| 1345584                                                                                                 | RPP        | HB03          | 7        | 554027      | 7024075   | 11:14:53 | 4/8/2014 | Hand Auger | Greyish Green   |
| 1345579                                                                                                 | RPP        | HB03          | 7        | 554439      | 7023786   | 10:25:06 | 4/8/2014 | Hand Auger | Dark Grey Black |
| 1345581                                                                                                 | RPP        | HB03          | 7        | 554275      | 7023903   | 10:43:30 | 4/8/2014 | Hand Auger | Greyish Green   |
| 1345580                                                                                                 | RPP        | HB03          | 7        | 554357      | 7023845   | 10:33:50 | 4/8/2014 | Hand Auger | Dark Grey Black |
| 1345577                                                                                                 | RPP        | HB03          | 7        | 554604      | 7023673   | 10:01:05 | 4/8/2014 | Hand Auger | Dark Grey Black |
| 1345576                                                                                                 | RPP        | HB03          | 7        | 554686      | 7023616   | 9:49:14  | 4/8/2014 | Hand Auger | Dark Grey Black |
| 1334259                                                                                                 | RPP        | SD02          | 7        | 552066      | 7025450   | 14:36:35 | 4/8/2014 | Hand Auger | Reddish Yellow  |
| 1385009                                                                                                 | RPP        | RF01          | 7        | 551114      | 7022698   | 14:34:38 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345678                                                                                                 | RPP        | CP01          | 7        | 545578      | 7025597   | 14:15:52 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1385008                                                                                                 | RPP        | RF01          | 7        | 551191      | 7022645   | 14:22:21 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1345679                                                                                                 | RPP        | CP01          | 7        | 545495      | 7025654   | 14:26:57 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1385007                                                                                                 | RPP        | RF01          | 7        | 551275      | 7022585   | 14:10:38 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1345550                                                                                                 | RPP        | CP01          | 7        | 545819      | 7025428   | 13:48:48 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1385006                                                                                                 | RPP        | RF01          | 7        | 551359      | 7022530   | 14:02:35 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1345676                                                                                                 | RPP        | CP01          | 7        | 545738      | 7025485   | 13:57:50 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1345677                                                                                                 | RPP        | CP01          | 7        | 545655      | 7025544   | 14:07:42 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345545                                                                                                 | RPP        | CP01          | 7        | 546225      | 7025139   | 13:02:42 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345546                                                                                                 | RPP        | CP01          | 7        | 546147      | 7025201   | 13:16:47 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345549                                                                                                 | RPP        | CP01          | 7        | 545901      | 7025371   | 13:40:06 | 5/8/2014 | Hand Auger | Grey            |
| 1345548                                                                                                 | RPP        | CP01          | 7        | 545983      | 7025313   | 13:32:45 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1345547                                                                                                 | RPP        | CP01          | 7        | 546064      | 7025258   | 13:25:42 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345539                                                                                                 | RPP        | CP01          | 7        | 546724      | 7024799   | 11:41:58 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345544                                                                                                 | RPP        | CP01          | 7        | 546310      | 7025081   | 12:48:48 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345543                                                                                                 | RPP        | CP01          | 7        | 546395      | 7025027   | 12:37:24 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345534                                                                                                 | RPP        | CP01          | 7        | 547132      | 7024508   | 10:51:43 | 5/8/2014 | Hand Auger | Light Brown     |
| 1345542                                                                                                 | RPP        | CP01          | 7        | 546475      | 7024968   | 12:26:42 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345541                                                                                                 | RPP        | CP01          | 7        | 546557      | 7024911   | 12:05:29 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345538                                                                                                 | RPP        | CP01          | 7        | 546805      | 7024739   | 11:33:13 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1345540                                                                                                 | RPP        | CP01          | 7        | 546639      | 7024854   | 11:52:31 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1345535                                                                                                 | RPP        | CP01          | 7        | 547053      | 7024566   | 11:02:27 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345537                                                                                                 | RPP        | CP01          | 7        | 546887      | 7024682   | 11:21:14 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345536                                                                                                 | RPP        | CP01          | 7        | 546969      | 7024623   | 11:11:45 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345533                                                                                                 | RPP        | CP01          | 7        | 547212      | 7024453   | 10:42:31 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345770                                                                                                 | RPP        | PS01          | 7        | 551066      | 7019314   | 10:06:19 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345532                                                                                                 | RPP        | CP01          | 7        | 547295      | 7024396   | 10:32:40 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1347084                                                                                                 | RPP        | HB03          | 7        | 551050      | 7022254   | 14:58:03 | 5/8/2014 | Hand Auger | Greyish Green   |
| 1345799                                                                                                 | RPP        | PS01          | 7        | 548771      | 7020918   | 14:39:44 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1345797                                                                                                 | RPP        | PS01          | 7        | 548934      | 7020802   | 14:21:49 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1345798                                                                                                 | RPP        | PS01          | 7        | 548850      | 7020862   | 14:31:52 | 5/8/2014 | Hand Auger | Bluish Grey     |
| 1345796                                                                                                 | RPP        | PS01          | 7        | 549017      | 7020744   | 14:11:27 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1347087                                                                                                 | RPP        | HB03          | 7        | 550803      | 7022427   | 15:28:19 | 5/8/2014 | Hand Auger | Greyish Green   |
| 1345795                                                                                                 | RPP        | PS01          | 7        | 549097      | 7020689   | 14:02:09 | 5/8/2014 | Hand Auger | Chocolate Brown |

| RP Soil Sample Descriptions and Coordinates (2014 Sampling) See digital file for complete descriptions. |            |               |          |             |           |          |          | NAD 1983   |                    |
|---------------------------------------------------------------------------------------------------------|------------|---------------|----------|-------------|-----------|----------|----------|------------|--------------------|
| sample_id                                                                                               | project_id | technician_id | utm_zone | utm_easting | utm_north | time     | date     | method     | colour             |
| 1347085                                                                                                 | RPP        | HB03          | 7        | 550967      | 7022311   | 15:08:31 | 5/8/2014 | Hand Auger | Greyish Green      |
| 1347086                                                                                                 | RPP        | HB03          | 7        | 550886      | 7022369   | 15:18:07 | 5/8/2014 | Hand Auger | Greyish Green      |
| 1347081                                                                                                 | RPP        | HB03          | 7        | 551295      | 7022082   | 14:16:55 | 5/8/2014 | Hand Auger | Greyish Green      |
| 1347083                                                                                                 | RPP        | HB03          | 7        | 551133      | 7022196   | 14:43:31 | 5/8/2014 | Hand Auger | Dark Grey Black    |
| 1347082                                                                                                 | RPP        | HB03          | 7        | 551214      | 7022138   | 14:30:50 | 5/8/2014 | Hand Auger | Dark Grey Black    |
| 1347078                                                                                                 | RPP        | HB03          | 7        | 551544      | 7021907   | 13:46:56 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1347080                                                                                                 | RPP        | HB03          | 7        | 551378      | 7022023   | 14:06:47 | 5/8/2014 | Hand Auger | Greyish Green      |
| 1345624                                                                                                 | RPP        | HB03          | 7        | 551626      | 7021851   | 13:33:58 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1347079                                                                                                 | RPP        | HB03          | 7        | 551464      | 7021965   | 13:56:28 | 5/8/2014 | Hand Auger | Dark Grey Black    |
| 1345625                                                                                                 | RPP        | HB03          | 7        | 551626      | 7021851   | 13:34:46 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1345618                                                                                                 | RPP        | HB03          | 7        | 552117      | 7021507   | 12:13:27 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1345621                                                                                                 | RPP        | HB03          | 7        | 551871      | 7021676   | 12:50:51 | 5/8/2014 | Hand Auger | Greyish Green      |
| 1345623                                                                                                 | RPP        | HB03          | 7        | 551708      | 7021793   | 13:18:24 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1345622                                                                                                 | RPP        | HB03          | 7        | 551791      | 7021736   | 13:07:29 | 5/8/2014 | Hand Auger | Greyish Green      |
| 1345620                                                                                                 | RPP        | HB03          | 7        | 551954      | 7021620   | 12:40:33 | 5/8/2014 | Hand Auger | Light Brown        |
| 1345619                                                                                                 | RPP        | HB03          | 7        | 552035      | 7021564   | 12:25:53 | 5/8/2014 | Hand Auger | Greyish Green      |
| 1345616                                                                                                 | RPP        | HB03          | 7        | 552280      | 7021390   | 11:48:30 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1345617                                                                                                 | RPP        | HB03          | 7        | 552200      | 7021451   | 12:00:41 | 5/8/2014 | Hand Auger | Greyish Green      |
| 1345615                                                                                                 | RPP        | HB03          | 7        | 552362      | 7021333   | 11:39:39 | 5/8/2014 | Hand Auger | Dark Brown         |
| 1345613                                                                                                 | RPP        | HB03          | 7        | 552527      | 7021222   | 11:19:46 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1345614                                                                                                 | RPP        | HB03          | 7        | 552445      | 7021277   | 11:30:32 | 5/8/2014 | Hand Auger | Light Brown        |
| 1345612                                                                                                 | RPP        | HB03          | 7        | 552608      | 7021163   | 11:10:02 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1345794                                                                                                 | RPP        | PS01          | 7        | 549180      | 7020630   | 13:53:05 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1345608                                                                                                 | RPP        | HB03          | 7        | 552933      | 7020936   | 10:31:51 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1345793                                                                                                 | RPP        | PS01          | 7        | 549260      | 7020572   | 13:39:15 | 5/8/2014 | Hand Auger | Dark Brown         |
| 1345792                                                                                                 | RPP        | PS01          | 7        | 549344      | 7020516   | 13:25:04 | 5/8/2014 | Hand Auger | Dark Brown         |
| 1345791                                                                                                 | RPP        | PS01          | 7        | 549427      | 7020459   | 13:14:30 | 5/8/2014 | Hand Auger | Dark Brown         |
| 1345611                                                                                                 | RPP        | HB03          | 7        | 552689      | 7021106   | 10:59:45 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1345789                                                                                                 | RPP        | PS01          | 7        | 549583      | 7020348   | 12:56:14 | 5/8/2014 | Hand Auger | Bluish Grey        |
| 1345790                                                                                                 | RPP        | PS01          | 7        | 549510      | 7020400   | 13:06:10 | 5/8/2014 | Hand Auger | Dark Brown         |
| 1345787                                                                                                 | RPP        | PS01          | 7        | 549748      | 7020237   | 12:41:04 | 5/8/2014 | Hand Auger | Reddish Yellow     |
| 1345784                                                                                                 | RPP        | PS01          | 7        | 549994      | 7020063   | 12:14:18 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1345788                                                                                                 | RPP        | PS01          | 7        | 549664      | 7020292   | 12:49:13 | 5/8/2014 | Hand Auger | Grey               |
| 1345785                                                                                                 | RPP        | PS01          | 7        | 549911      | 7020120   | 12:23:14 | 5/8/2014 | Hand Auger | Reddish Brown      |
| 1345786                                                                                                 | RPP        | PS01          | 7        | 549828      | 7020178   | 12:31:44 | 5/8/2014 | Hand Auger | Reddish Yellow     |
| 1345781                                                                                                 | RPP        | PS01          | 7        | 550239      | 7019890   | 11:43:19 | 5/8/2014 | Hand Auger | Bluish Grey        |
| 1345783                                                                                                 | RPP        | PS01          | 7        | 550076      | 7020006   | 12:05:25 | 5/8/2014 | Hand Auger | Bluish Grey        |
| 1345609                                                                                                 | RPP        | HB03          | 7        | 552850      | 7020992   | 10:42:18 | 5/8/2014 | Hand Auger | Greyish Green      |
| 1345610                                                                                                 | RPP        | HB03          | 7        | 552769      | 7021049   | 10:49:55 | 5/8/2014 | Hand Auger | Dark Olivine Green |
| 1345782                                                                                                 | RPP        | PS01          | 7        | 550158      | 7019946   | 11:55:32 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1345780                                                                                                 | RPP        | PS01          | 7        | 550326      | 7019830   | 11:32:28 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1345778                                                                                                 | RPP        | PS01          | 7        | 550491      | 7019715   | 11:14:40 | 5/8/2014 | Hand Auger | Light Brown        |
| 1345779                                                                                                 | RPP        | PS01          | 7        | 550408      | 7019772   | 11:22:26 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1345777                                                                                                 | RPP        | PS01          | 7        | 550573      | 7019659   | 11:07:36 | 5/8/2014 | Hand Auger | Reddish Yellow     |
| 1345776                                                                                                 | RPP        | PS01          | 7        | 550654      | 7019600   | 11:00:53 | 5/8/2014 | Hand Auger | Reddish Yellow     |
| 1345775                                                                                                 | RPP        | PS01          | 7        | 550735      | 7019542   | 10:51:58 | 5/8/2014 | Hand Auger | Reddish Brown      |
| 1345774                                                                                                 | RPP        | PS01          | 7        | 550735      | 7019542   | 10:47:49 | 5/8/2014 | Hand Auger | Reddish Brown      |
| 1345773                                                                                                 | RPP        | PS01          | 7        | 550819      | 7019485   | 10:37:44 | 5/8/2014 | Hand Auger | Reddish Yellow     |
| 1345772                                                                                                 | RPP        | PS01          | 7        | 550902      | 7019429   | 10:27:03 | 5/8/2014 | Hand Auger | Reddish Yellow     |
| 1345771                                                                                                 | RPP        | PS01          | 7        | 550983      | 7019371   | 10:16:24 | 5/8/2014 | Hand Auger | Dark Brown         |
| 1385005                                                                                                 | RPP        | RF01          | 7        | 551441      | 7022470   | 13:54:12 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1347000                                                                                                 | RPP        | RF01          | 7        | 551768      | 7022242   | 13:05:55 | 5/8/2014 | Hand Auger | Light Brown        |
| 1385003                                                                                                 | RPP        | RF01          | 7        | 551604      | 7022356   | 13:37:49 | 5/8/2014 | Hand Auger | Reddish Brown      |
| 1385004                                                                                                 | RPP        | RF01          | 7        | 551523      | 7022415   | 13:45:57 | 5/8/2014 | Hand Auger | Reddish Brown      |
| 1346994                                                                                                 | RPP        | RF01          | 7        | 552259      | 7021896   | 12:01:40 | 5/8/2014 | Hand Auger | Reddish Orange     |
| 1346999                                                                                                 | RPP        | RF01          | 7        | 551847      | 7022183   | 12:54:13 | 5/8/2014 | Hand Auger | Grey               |
| 1385002                                                                                                 | RPP        | RF01          | 7        | 551686      | 7022298   | 13:29:53 | 5/8/2014 | Hand Auger | Reddish Brown      |
| 1346995                                                                                                 | RPP        | RF01          | 7        | 552176      | 7021951   | 12:15:07 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1346996                                                                                                 | RPP        | RF01          | 7        | 552098      | 7022013   | 12:25:30 | 5/8/2014 | Hand Auger | Reddish Yellow     |
| 1346998                                                                                                 | RPP        | RF01          | 7        | 551932      | 7022127   | 12:44:39 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1346997                                                                                                 | RPP        | RF01          | 7        | 552013      | 7022067   | 12:35:46 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1346992                                                                                                 | RPP        | RF01          | 7        | 552422      | 7021782   | 11:41:51 | 5/8/2014 | Hand Auger | Reddish Yellow     |
| 1346993                                                                                                 | RPP        | RF01          | 7        | 552342      | 7021840   | 11:50:16 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1346991                                                                                                 | RPP        | RF01          | 7        | 552505      | 7021723   | 11:33:40 | 5/8/2014 | Hand Auger | Chocolate Brown    |
| 1346990                                                                                                 | RPP        | RF01          | 7        | 552587      | 7021665   | 11:24:31 | 5/8/2014 | Hand Auger | Reddish Yellow     |
| 1346986                                                                                                 | RPP        | RF01          | 7        | 552918      | 7021435   | 10:44:36 | 5/8/2014 | Hand Auger | Chocolate Brown    |

| RP Soil Sample Descriptions and Coordinates (2014 Sampling) See digital file for complete descriptions. |            |               |          |             |           |          |          | NAD 1983   |                 |
|---------------------------------------------------------------------------------------------------------|------------|---------------|----------|-------------|-----------|----------|----------|------------|-----------------|
| sample_id                                                                                               | project_id | technician_id | utm_zone | utm_easting | utm_north | time     | date     | method     | colour          |
| 1346989                                                                                                 | RPP        | RF01          | 7        | 552671      | 7021609   | 11:12:47 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1346987                                                                                                 | RPP        | RF01          | 7        | 552832      | 7021494   | 10:53:14 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1346988                                                                                                 | RPP        | RF01          | 7        | 552752      | 7021552   | 11:01:32 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1349243                                                                                                 | RPP        | JM04          | 7        | 553622      | 7021918   | 10:22:30 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1346984                                                                                                 | RPP        | RF01          | 7        | 553081      | 7021321   | 10:28:33 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1346983                                                                                                 | RPP        | RF01          | 7        | 553163      | 7021265   | 10:19:45 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1346985                                                                                                 | RPP        | RF01          | 7        | 552997      | 7021379   | 10:37:30 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1349245                                                                                                 | RPP        | JM04          | 7        | 553457      | 7022034   | 10:41:33 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1349244                                                                                                 | RPP        | JM04          | 7        | 553540      | 7021975   | 10:33:29 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1349247                                                                                                 | RPP        | JM04          | 7        | 553293      | 7022148   | 11:00:17 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1349246                                                                                                 | RPP        | JM04          | 7        | 553375      | 7022091   | 10:51:26 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1351407                                                                                                 | RPP        | JM04          | 7        | 552883      | 7022435   | 12:01:15 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1351406                                                                                                 | RPP        | JM04          | 7        | 552964      | 7022378   | 11:51:43 | 5/8/2014 | Mattock    | Chocolate Brown |
| 1349248                                                                                                 | RPP        | JM04          | 7        | 553211      | 7022205   | 11:09:34 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1349250                                                                                                 | RPP        | JM04          | 7        | 553047      | 7022321   | 11:39:16 | 5/8/2014 | Mattock    | Dark Brown      |
| 1349249                                                                                                 | RPP        | JM04          | 7        | 553129      | 7022263   | 11:26:19 | 5/8/2014 | Mattock    | Dark Brown      |
| 1351408                                                                                                 | RPP        | JM04          | 7        | 552803      | 7022492   | 12:27:03 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1351409                                                                                                 | RPP        | JM04          | 7        | 552721      | 7022549   | 12:36:34 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1351410                                                                                                 | RPP        | JM04          | 7        | 552639      | 7022607   | 12:45:42 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1351411                                                                                                 | RPP        | JM04          | 7        | 552555      | 7022664   | 12:55:34 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1351412                                                                                                 | RPP        | JM04          | 7        | 552474      | 7022722   | 13:03:23 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1351416                                                                                                 | RPP        | JM04          | 7        | 552147      | 7022951   | 13:40:09 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1351413                                                                                                 | RPP        | JM04          | 7        | 552393      | 7022779   | 13:11:19 | 5/8/2014 | Hand Auger | Dark Brown      |
| 1351414                                                                                                 | RPP        | JM04          | 7        | 552310      | 7022836   | 13:21:52 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1351415                                                                                                 | RPP        | JM04          | 7        | 552229      | 7022894   | 13:30:56 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1351424                                                                                                 | RPP        | JM04          | 7        | 552065      | 7023008   | 13:53:40 | 5/8/2014 | Hand Auger | Chocolate Brown |
| 1351425                                                                                                 | RPP        | JM04          | 7        | 552065      | 7023008   | 14:04:29 | 5/8/2014 | Hand Auger | Chocolate Brown |

## 7.5 Appendix 5: Assays certificate, soil samples.

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

**Client:** **Selene Holdings LP**  
25 York St, 15th Floor  
Toronto ON M5J 2V5 CANADA

Submitted By: David Emmons  
Receiving Lab: Canada-Whitehorse  
Received: August 12, 2014  
Report Date: September 04, 2014  
Page: 1 of 11

## CERTIFICATE OF ANALYSIS

WHI14000101.1

### CLIENT JOB INFORMATION

Project: RP  
Shipment ID: RP2014-08-07  
P.O. Number  
Number of Samples: 295

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

Invoice To: Kinross Gold Corp.  
9400 Gateway Drive, Suite C  
Reno NV 89521  
USA

CC:

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|--------------------------------------------|--------------|---------------|-----|
| Dry at 60C     | 295               | Dry at 60C                                 |              |               | WHI |
| SS80           | 291               | Dry at 60C sieve 100g to -80 mesh          |              |               | WHI |
| AQ201          | 295               | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |
| DISP2          | 295               | Heat treatment of Soils and Sediments      |              |               | VAN |

### ADDITIONAL COMMENTS



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

# CERTIFICATE OF ANALYSIS

WHI14000101.1

|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|         |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|         |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
|         |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1345541 | Soil                             | 1.6   | 31.7  | 10.7  | 126   | 0.1   | 36.3  | 8.1   | 295   | 2.69  | 12.3  | 1.1   | 6.0   | 5.6   | 25    | 0.4   | 0.3   | 0.2   | 61    | 0.27  |
| 1345546 | Soil                             | 1.5   | 30.5  | 16.8  | 67    | 0.2   | 28.5  | 10.9  | 302   | 3.30  | 11.3  | 0.4   | 2.0   | 5.2   | 10    | 0.1   | 0.5   | 0.3   | 71    | 0.10  |
| 1345547 | Soil                             | 1.0   | 21.5  | 34.5  | 56    | 0.2   | 30.4  | 9.1   | 425   | 2.36  | 16.7  | 1.7   | 2.0   | 9.1   | 13    | 0.2   | 0.4   | 0.2   | 45    | 0.14  |
| 1345548 | Soil                             | 1.2   | 22.1  | 31.6  | 69    | <0.1  | 33.8  | 11.8  | 529   | 2.36  | 24.4  | 1.7   | 1.1   | 8.2   | 17    | 0.2   | 0.2   | 0.2   | 52    | 0.26  |
| 1345679 | Soil                             | 1.2   | 91.7  | 15.0  | 65    | 0.2   | 27.5  | 13.9  | 415   | 3.11  | 8.1   | 0.7   | 3.0   | 3.6   | 21    | <0.1  | 0.3   | 0.2   | 97    | 0.28  |
| 1345544 | Soil                             | 1.0   | 18.9  | 13.0  | 63    | 0.1   | 23.1  | 10.4  | 268   | 3.16  | 9.1   | 0.9   | 6.2   | 6.7   | 16    | 0.1   | 0.5   | 0.2   | 70    | 0.18  |
| 1345542 | Soil                             | 0.9   | 20.1  | 15.2  | 62    | 0.2   | 19.0  | 8.7   | 253   | 2.72  | 6.8   | 1.1   | 1.6   | 7.8   | 18    | <0.1  | 0.3   | 0.2   | 51    | 0.22  |
| 1345549 | Soil                             | 0.8   | 36.2  | 17.7  | 73    | 0.4   | 53.2  | 13.8  | 511   | 2.93  | 19.3  | 1.8   | 1.9   | 4.1   | 24    | <0.1  | 0.3   | 0.3   | 75    | 0.39  |
| 1345683 | Soil                             | 1.0   | 32.5  | 13.4  | 68    | 0.2   | 22.6  | 9.2   | 325   | 2.83  | 9.5   | 0.9   | 5.0   | 3.0   | 20    | 0.2   | 0.3   | 0.2   | 62    | 0.24  |
| 1345537 | Soil                             | 1.2   | 23.6  | 12.5  | 70    | 0.3   | 30.7  | 12.4  | 250   | 3.52  | 11.8  | 0.8   | 0.9   | 6.9   | 16    | <0.1  | 0.5   | 0.2   | 62    | 0.15  |
| 1345545 | Soil                             | 1.4   | 19.6  | 74.8  | 117   | 0.6   | 18.4  | 22.8  | 1052  | 3.34  | 8.4   | 0.6   | 1.3   | 2.5   | 26    | 1.0   | 0.4   | 0.3   | 75    | 0.32  |
| 1345676 | Soil                             | 0.8   | 27.2  | 12.3  | 69    | 0.1   | 47.7  | 12.5  | 412   | 2.77  | 17.1  | 0.8   | 5.8   | 4.1   | 24    | 0.2   | 0.4   | 0.1   | 70    | 0.36  |
| 1345684 | Soil                             | 0.7   | 47.7  | 12.0  | 68    | 0.2   | 40.4  | 13.0  | 378   | 2.89  | 14.2  | 1.0   | 2.9   | 3.8   | 30    | 0.1   | 0.3   | 0.2   | 70    | 0.28  |
| 1345536 | Soil                             | 1.0   | 33.0  | 11.8  | 92    | <0.1  | 39.7  | 13.1  | 330   | 3.10  | 11.7  | 1.5   | 2.4   | 11.8  | 26    | 0.1   | 0.4   | 0.2   | 54    | 0.37  |
| 1345543 | Soil                             | 0.8   | 20.0  | 12.4  | 57    | 0.1   | 21.3  | 9.3   | 297   | 2.72  | 6.3   | 1.1   | 2.2   | 4.8   | 19    | <0.1  | 0.3   | 0.2   | 65    | 0.21  |
| 1345550 | Soil                             | 0.6   | 27.0  | 16.7  | 66    | 0.1   | 35.9  | 12.6  | 214   | 2.86  | 11.9  | 1.1   | 4.7   | 5.8   | 24    | 0.1   | 0.4   | 0.2   | 70    | 0.36  |
| 1345680 | Soil                             | 0.6   | 60.2  | 15.5  | 66    | 0.2   | 34.3  | 12.1  | 375   | 2.52  | 3.9   | 1.2   | 1.2   | 5.3   | 36    | 0.1   | 0.2   | 0.1   | 60    | 0.51  |
| 1345686 | Soil                             | 1.2   | 22.1  | 15.4  | 55    | 0.3   | 20.6  | 6.9   | 271   | 2.42  | 11.6  | 0.9   | 4.8   | 6.0   | 16    | 0.2   | 0.3   | 0.2   | 60    | 0.11  |
| 1345534 | Soil                             | 1.4   | 68.8  | 8.0   | 107   | <0.1  | 35.0  | 10.1  | 312   | 3.16  | 14.9  | 1.1   | <0.5  | 4.4   | 57    | 0.1   | 0.3   | <0.1  | 73    | 0.58  |
| 1345540 | Soil                             | 1.0   | 25.8  | 10.5  | 76    | 0.2   | 24.6  | 9.7   | 378   | 2.71  | 8.7   | 1.2   | 2.0   | 4.4   | 26    | 0.2   | 0.3   | 0.1   | 61    | 0.30  |
| 1345681 | Soil                             | 1.0   | 29.3  | 14.8  | 71    | 0.2   | 49.6  | 17.6  | 745   | 2.72  | 10.8  | 1.1   | 3.0   | 4.8   | 21    | 0.2   | 0.3   | 0.2   | 63    | 0.25  |
| 1345682 | Soil                             | 0.8   | 23.9  | 11.0  | 57    | 0.3   | 18.9  | 9.2   | 355   | 2.13  | 6.9   | 1.0   | 4.4   | 1.9   | 19    | 0.2   | 0.3   | 0.1   | 51    | 0.20  |
| 1345533 | Soil                             | 4.7   | 40.1  | 12.2  | 97    | <0.1  | 25.1  | 8.3   | 279   | 2.66  | 7.1   | 1.0   | 0.6   | 4.3   | 21    | <0.1  | 0.3   | <0.1  | 53    | 0.18  |
| 1345538 | Soil                             | 0.9   | 28.2  | 12.9  | 67    | 0.4   | 33.4  | 13.0  | 345   | 2.93  | 9.5   | 1.3   | 1.8   | 8.4   | 24    | 0.1   | 0.3   | 0.2   | 55    | 0.34  |
| 1345612 | Soil                             | 0.8   | 47.5  | 19.3  | 116   | <0.1  | 52.3  | 21.2  | 612   | 5.04  | 3.1   | 0.6   | <0.5  | 2.2   | 34    | <0.1  | 0.2   | 0.1   | 121   | 0.69  |
| 1345678 | Soil                             | 0.7   | 16.6  | 28.8  | 56    | <0.1  | 26.1  | 9.1   | 318   | 2.04  | 9.4   | 1.1   | 9.5   | 9.8   | 20    | 0.1   | 0.2   | 0.2   | 51    | 0.23  |
| 1345532 | Soil                             | 1.7   | 32.1  | 10.9  | 72    | 0.2   | 22.4  | 9.4   | 337   | 2.67  | 7.9   | 1.1   | 1.1   | 3.9   | 27    | 0.1   | 0.3   | 0.1   | 62    | 0.30  |
| 1345535 | Soil                             | 0.9   | 29.1  | 11.4  | 113   | 0.1   | 43.4  | 13.3  | 248   | 3.69  | 9.7   | 1.7   | 0.7   | 17.8  | 25    | 0.5   | 0.3   | 0.2   | 43    | 0.26  |
| 1345608 | Soil                             | 1.4   | 21.0  | 80.4  | 225   | 0.1   | 33.8  | 18.9  | 1066  | 4.96  | 5.9   | 0.4   | <0.5  | 2.1   | 26    | 0.3   | 0.4   | 0.2   | 134   | 0.35  |
| 1345677 | Soil                             | 1.2   | 26.2  | 15.6  | 68    | 0.1   | 42.9  | 12.5  | 340   | 3.13  | 19.0  | 1.1   | 1.7   | 3.6   | 20    | 0.1   | 0.3   | 0.1   | 82    | 0.28  |

# CERTIFICATE OF ANALYSIS

WHI14000101.1

|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    |
|         |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|         |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 1345541 | Soil                             | 15    | 36    | 0.73  | 124   | 0.075 | 1     | 1.65  | 0.009 | 0.08  | <0.1  | 0.02  | 2.8   | 0.1   | <0.05 | 5     | <0.5  |
| 1345546 | Soil                             | 14    | 32    | 0.61  | 100   | 0.058 | <1    | 1.95  | 0.006 | 0.05  | 0.1   | 0.03  | 2.4   | 0.1   | <0.05 | 8     | <0.5  |
| 1345547 | Soil                             | 18    | 33    | 0.63  | 170   | 0.063 | 1     | 1.71  | 0.009 | 0.08  | 0.1   | 0.03  | 3.3   | 0.1   | <0.05 | 4     | <0.5  |
| 1345548 | Soil                             | 14    | 52    | 1.03  | 178   | 0.068 | 1     | 1.37  | 0.006 | 0.15  | 0.1   | 0.01  | 2.9   | 0.1   | <0.05 | 5     | <0.5  |
| 1345679 | Soil                             | 9     | 53    | 1.00  | 226   | 0.092 | 1     | 1.78  | 0.012 | 0.10  | 0.1   | 0.04  | 3.9   | 0.1   | <0.05 | 7     | <0.5  |
| 1345544 | Soil                             | 18    | 40    | 0.68  | 149   | 0.092 | 1     | 2.33  | 0.011 | 0.07  | 0.1   | 0.02  | 4.2   | 0.1   | <0.05 | 7     | <0.5  |
| 1345542 | Soil                             | 20    | 32    | 0.59  | 149   | 0.107 | 1     | 1.86  | 0.010 | 0.12  | 0.1   | 0.02  | 3.0   | 0.2   | <0.05 | 6     | <0.5  |
| 1345549 | Soil                             | 18    | 78    | 1.10  | 374   | 0.085 | 1     | 2.04  | 0.011 | 0.13  | 0.1   | 0.04  | 6.1   | 0.2   | <0.05 | 6     | <0.5  |
| 1345683 | Soil                             | 13    | 38    | 0.65  | 215   | 0.079 | 1     | 1.77  | 0.010 | 0.09  | 0.1   | 0.03  | 3.5   | 0.1   | <0.05 | 6     | <0.5  |
| 1345537 | Soil                             | 12    | 39    | 0.68  | 123   | 0.093 | <1    | 2.38  | 0.008 | 0.11  | 0.1   | 0.02  | 3.0   | 0.1   | <0.05 | 7     | <0.5  |
| 1345545 | Soil                             | 17    | 31    | 0.47  | 186   | 0.079 | 1     | 1.86  | 0.013 | 0.10  | 0.1   | 0.04  | 2.7   | 0.1   | <0.05 | 8     | <0.5  |
| 1345676 | Soil                             | 11    | 66    | 0.95  | 280   | 0.088 | <1    | 1.77  | 0.013 | 0.10  | 0.1   | 0.01  | 5.0   | 0.1   | <0.05 | 5     | <0.5  |
| 1345684 | Soil                             | 15    | 55    | 0.91  | 220   | 0.077 | 1     | 1.86  | 0.011 | 0.07  | 0.1   | 0.02  | 4.6   | 0.1   | <0.05 | 6     | <0.5  |
| 1345536 | Soil                             | 31    | 43    | 0.89  | 185   | 0.097 | <1    | 1.81  | 0.014 | 0.14  | 0.1   | 0.02  | 4.7   | 0.2   | <0.05 | 6     | 0.5   |
| 1345543 | Soil                             | 19    | 36    | 0.62  | 171   | 0.094 | 1     | 1.86  | 0.013 | 0.07  | 0.1   | 0.04  | 4.1   | 0.1   | <0.05 | 6     | <0.5  |
| 1345550 | Soil                             | 14    | 60    | 0.96  | 270   | 0.096 | 1     | 1.88  | 0.013 | 0.09  | 0.1   | 0.03  | 4.6   | 0.1   | <0.05 | 5     | <0.5  |
| 1345680 | Soil                             | 17    | 65    | 1.28  | 450   | 0.099 | <1    | 1.66  | 0.011 | 0.25  | <0.1  | 0.02  | 3.6   | 0.2   | <0.05 | 6     | <0.5  |
| 1345686 | Soil                             | 13    | 51    | 0.47  | 105   | 0.059 | <1    | 1.51  | 0.008 | 0.06  | 0.1   | 0.04  | 2.8   | 0.2   | <0.05 | 7     | <0.5  |
| 1345534 | Soil                             | 16    | 64    | 1.85  | 253   | 0.134 | <1    | 2.42  | 0.009 | 0.28  | 0.1   | <0.01 | 4.6   | 0.3   | <0.05 | 8     | <0.5  |
| 1345540 | Soil                             | 16    | 35    | 0.63  | 166   | 0.085 | 1     | 1.69  | 0.012 | 0.11  | 0.1   | 0.03  | 3.3   | 0.1   | <0.05 | 6     | <0.5  |
| 1345681 | Soil                             | 15    | 80    | 0.92  | 168   | 0.078 | <1    | 1.73  | 0.010 | 0.07  | 0.1   | 0.03  | 4.0   | 0.1   | <0.05 | 5     | <0.5  |
| 1345682 | Soil                             | 12    | 32    | 0.50  | 182   | 0.049 | <1    | 1.40  | 0.011 | 0.05  | 0.1   | 0.04  | 3.0   | 0.1   | <0.05 | 5     | <0.5  |
| 1345533 | Soil                             | 13    | 40    | 0.95  | 134   | 0.117 | <1    | 1.72  | 0.009 | 0.17  | <0.1  | <0.01 | 2.5   | 0.2   | <0.05 | 5     | <0.5  |
| 1345538 | Soil                             | 31    | 39    | 0.73  | 135   | 0.091 | <1    | 1.91  | 0.011 | 0.10  | 0.1   | 0.03  | 3.6   | 0.1   | <0.05 | 6     | <0.5  |
| 1345612 | Soil                             | 5     | 100   | 2.37  | 131   | 0.159 | <1    | 2.72  | 0.010 | 0.10  | 0.3   | <0.01 | 8.9   | 0.2   | <0.05 | 10    | <0.5  |
| 1345678 | Soil                             | 18    | 45    | 0.71  | 166   | 0.080 | <1    | 1.27  | 0.010 | 0.11  | 0.1   | 0.01  | 2.7   | 0.1   | <0.05 | 4     | <0.5  |
| 1345532 | Soil                             | 15    | 39    | 0.76  | 197   | 0.101 | <1    | 1.89  | 0.014 | 0.07  | 0.1   | 0.02  | 3.6   | 0.1   | <0.05 | 6     | <0.5  |
| 1345535 | Soil                             | 45    | 46    | 1.00  | 100   | 0.149 | <1    | 2.20  | 0.007 | 0.26  | 0.1   | 0.01  | 2.9   | 0.2   | <0.05 | 8     | <0.5  |
| 1345608 | Soil                             | 6     | 109   | 1.70  | 211   | 0.171 | <1    | 2.55  | 0.012 | 0.57  | 0.5   | 0.01  | 7.9   | 1.0   | <0.05 | 13    | <0.5  |
| 1345677 | Soil                             | 12    | 70    | 1.06  | 195   | 0.103 | <1    | 1.88  | 0.009 | 0.11  | 0.1   | 0.02  | 4.8   | 0.2   | <0.05 | 6     | <0.5  |

# CERTIFICATE OF ANALYSIS

WHI14000101.1

|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|         |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|         |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 1345685 | Soil                             | 1.2   | 24.1  | 15.8  | 85    | 0.4   | 55.2  | 14.5  | 497   | 2.76  | 24.3  | 1.0   | 6.8   | 2.2   | 32    | 0.2   | 0.3   | 0.2   | 72    | 0.36  |
| 1345539 | Soil                             | 0.8   | 19.4  | 10.9  | 64    | 0.2   | 23.8  | 10.6  | 348   | 2.54  | 9.1   | 0.8   | 1.2   | 6.5   | 21    | 0.1   | 0.3   | 0.1   | 47    | 0.29  |
| 1345624 | Soil                             | 1.1   | 17.6  | 9.0   | 118   | <0.1  | 13.7  | 9.7   | 451   | 3.25  | 7.5   | 0.4   | <0.5  | 2.0   | 21    | 0.1   | 0.4   | 0.2   | 74    | 0.19  |
| 1345614 | Soil                             | 0.8   | 64.7  | 8.0   | 129   | <0.1  | 7.5   | 7.2   | 569   | 8.43  | 2.3   | 1.6   | 1.4   | 1.0   | 85    | <0.1  | 0.1   | 0.2   | 259   | 0.37  |
| 1345616 | Soil                             | 1.0   | 33.0  | 11.3  | 137   | <0.1  | 15.2  | 15.3  | 473   | 3.95  | 5.7   | 0.5   | 1.1   | 2.7   | 20    | 0.1   | 0.4   | 0.1   | 111   | 0.31  |
| 1345615 | Soil                             | 1.3   | 38.8  | 14.4  | 146   | 0.3   | 16.1  | 16.5  | 724   | 4.07  | 5.5   | 1.0   | 1.0   | 2.2   | 26    | 0.4   | 0.3   | 0.1   | 141   | 0.43  |
| 1345620 | Soil                             | 0.7   | 22.4  | 8.0   | 54    | <0.1  | 19.7  | 10.2  | 298   | 2.80  | 8.5   | 0.6   | 1.2   | 3.5   | 18    | <0.1  | 0.5   | 0.1   | 79    | 0.18  |
| 1345609 | Soil                             | 0.7   | 18.5  | 8.8   | 118   | <0.1  | 15.2  | 15.3  | 545   | 3.98  | 4.2   | 0.4   | <0.5  | 2.2   | 24    | <0.1  | 0.4   | 0.1   | 117   | 0.41  |
| 1345619 | Soil                             | 0.5   | 31.7  | 10.0  | 59    | 0.1   | 24.0  | 13.6  | 398   | 3.21  | 6.7   | 0.4   | <0.5  | 2.2   | 28    | <0.1  | 0.5   | 0.1   | 101   | 0.29  |
| 1345610 | Soil                             | 0.8   | 24.9  | 12.1  | 121   | 0.1   | 15.9  | 13.1  | 540   | 3.65  | 5.6   | 1.0   | 2.6   | 3.1   | 28    | 0.1   | 0.3   | 0.2   | 98    | 0.44  |
| 1345623 | Soil                             | 0.5   | 20.6  | 7.9   | 111   | <0.1  | 15.5  | 9.9   | 377   | 3.05  | 5.4   | 0.5   | <0.5  | 2.0   | 26    | <0.1  | 0.3   | 0.1   | 72    | 0.28  |
| 1345617 | Soil                             | 0.8   | 29.8  | 9.9   | 83    | 0.2   | 15.7  | 11.0  | 468   | 2.89  | 4.5   | 0.6   | <0.5  | 2.3   | 35    | 0.2   | 0.4   | 0.1   | 84    | 0.57  |
| 1345618 | Soil                             | 0.6   | 51.7  | 11.8  | 118   | <0.1  | 19.3  | 15.8  | 569   | 3.69  | 5.6   | 0.6   | <0.5  | 2.5   | 33    | <0.1  | 0.3   | 0.1   | 98    | 0.41  |
| 1345611 | Soil                             | 0.7   | 44.3  | 18.2  | 91    | 0.1   | 36.6  | 15.3  | 594   | 3.30  | 5.3   | 1.4   | <0.5  | 3.3   | 38    | 0.2   | 0.5   | 0.2   | 97    | 0.63  |
| 1347081 | Soil                             | 0.6   | 17.3  | 6.1   | 58    | <0.1  | 9.8   | 6.4   | 202   | 2.19  | 4.2   | 0.5   | 1.1   | 1.5   | 23    | <0.1  | 0.2   | 0.1   | 66    | 0.28  |
| 1345625 | Soil                             | 1.1   | 18.2  | 8.4   | 126   | <0.1  | 14.4  | 10.2  | 513   | 3.19  | 5.9   | 0.4   | <0.5  | 2.0   | 24    | <0.1  | 0.5   | 0.1   | 82    | 0.21  |
| 1345622 | Soil                             | 0.4   | 25.4  | 6.5   | 77    | <0.1  | 12.5  | 10.2  | 527   | 2.81  | 4.9   | 0.6   | 0.7   | 2.6   | 28    | <0.1  | 0.3   | <0.1  | 62    | 0.46  |
| 1345613 | Soil                             | 1.7   | 47.2  | 6.3   | 91    | <0.1  | 35.1  | 12.8  | 501   | 3.88  | 4.4   | 0.9   | 2.7   | 6.4   | 18    | <0.1  | 0.3   | <0.1  | 96    | 0.36  |
| 1349390 | Soil                             | 7.9   | 80.4  | 11.3  | 357   | 0.5   | 128.5 | 17.0  | 333   | 4.37  | 54.8  | 2.7   | <0.5  | 6.2   | 59    | 1.7   | 1.3   | 0.2   | 138   | 0.47  |
| 1347085 | Soil                             | 1.2   | 35.4  | 9.9   | 88    | 0.1   | 17.7  | 13.1  | 541   | 3.33  | 7.8   | 0.9   | 1.1   | 2.7   | 33    | 0.1   | 0.3   | 0.1   | 102   | 0.74  |
| 1347083 | Soil                             | 0.7   | 24.9  | 10.7  | 89    | 0.2   | 13.7  | 8.2   | 245   | 2.67  | 3.8   | 0.8   | <0.5  | 1.6   | 26    | <0.1  | 0.2   | 0.1   | 75    | 0.36  |
| 1347080 | Soil                             | 0.8   | 36.6  | 8.5   | 97    | 0.2   | 16.6  | 13.8  | 403   | 3.76  | 5.6   | 0.7   | 1.1   | 2.6   | 28    | 0.1   | 0.3   | 0.1   | 103   | 0.37  |
| 1349389 | Soil                             | 2.5   | 27.9  | 11.5  | 81    | 0.2   | 27.5  | 9.7   | 302   | 3.07  | 10.4  | 0.8   | 3.8   | 5.3   | 18    | 0.2   | 0.6   | 0.2   | 90    | 0.19  |
| 1347084 | Soil                             | 0.7   | 38.7  | 5.7   | 83    | 0.1   | 16.6  | 11.5  | 404   | 3.30  | 5.9   | 0.5   | 0.9   | 2.5   | 28    | <0.1  | 0.2   | <0.1  | 116   | 0.59  |
| 1347078 | Soil                             | 0.8   | 52.1  | 6.2   | 92    | 0.3   | 13.1  | 15.6  | 576   | 3.61  | 4.0   | 0.6   | <0.5  | 1.2   | 32    | 0.3   | 0.2   | <0.1  | 105   | 0.29  |
| 1347079 | Soil                             | 0.6   | 29.4  | 8.0   | 69    | 0.2   | 12.8  | 8.4   | 255   | 2.59  | 4.5   | 0.5   | <0.5  | 1.5   | 27    | 0.1   | 0.2   | 0.1   | 81    | 0.31  |
| 1349392 | Soil                             | 1.1   | 93.1  | 4.5   | 87    | <0.1  | 27.6  | 20.9  | 837   | 4.15  | 7.5   | 0.3   | <0.5  | 1.7   | 25    | <0.1  | 0.5   | <0.1  | 117   | 0.46  |
| 1349393 | Soil                             | 0.5   | 72.4  | 2.1   | 80    | <0.1  | 23.8  | 18.5  | 876   | 4.23  | 6.5   | 0.5   | 1.2   | 3.2   | 21    | <0.1  | 0.3   | <0.1  | 111   | 0.57  |
| 1347087 | Soil                             | 0.7   | 23.0  | 6.6   | 78    | <0.1  | 19.8  | 11.0  | 392   | 3.22  | 5.1   | 0.6   | <0.5  | 8.7   | 24    | 0.1   | 0.2   | 0.2   | 69    | 0.53  |
| 1345621 | Soil                             | 0.5   | 25.6  | 10.1  | 102   | <0.1  | 15.7  | 10.2  | 500   | 2.84  | 3.2   | 0.6   | <0.5  | 2.6   | 28    | <0.1  | 0.3   | <0.1  | 71    | 0.38  |

# CERTIFICATE OF ANALYSIS

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|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    |
|         |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|         |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 1345685 | Soil                             | 13    | 89    | 0.89  | 197   | 0.057 | 1     | 1.98  | 0.011 | 0.09  | <0.1  | 0.04  | 5.5   | 0.1   | <0.05 | 7     | <0.5  |
| 1345539 | Soil                             | 19    | 30    | 0.57  | 105   | 0.084 | <1    | 1.50  | 0.011 | 0.12  | 0.1   | 0.02  | 2.9   | 0.1   | <0.05 | 5     | <0.5  |
| 1345624 | Soil                             | 7     | 27    | 0.85  | 146   | 0.120 | <1    | 2.31  | 0.009 | 0.08  | 0.2   | 0.01  | 3.0   | 0.1   | <0.05 | 9     | <0.5  |
| 1345614 | Soil                             | 4     | 13    | 3.18  | 202   | 0.210 | <1    | 3.66  | 0.080 | 1.82  | <0.1  | <0.01 | 19.8  | 0.5   | 1.14  | 15    | 0.7   |
| 1345616 | Soil                             | 7     | 26    | 1.25  | 171   | 0.141 | <1    | 2.21  | 0.013 | 0.23  | 0.2   | 0.01  | 6.4   | 0.3   | <0.05 | 8     | <0.5  |
| 1345615 | Soil                             | 8     | 28    | 1.23  | 246   | 0.178 | <1    | 2.21  | 0.016 | 0.19  | 0.1   | 0.03  | 7.9   | 0.2   | <0.05 | 10    | <0.5  |
| 1345620 | Soil                             | 15    | 34    | 0.71  | 214   | 0.109 | <1    | 1.78  | 0.012 | 0.09  | 0.1   | 0.02  | 4.2   | <0.1  | <0.05 | 5     | <0.5  |
| 1345609 | Soil                             | 7     | 22    | 1.14  | 318   | 0.189 | <1    | 2.26  | 0.019 | 0.52  | 0.1   | 0.02  | 5.1   | 0.2   | <0.05 | 9     | <0.5  |
| 1345619 | Soil                             | 5     | 48    | 1.24  | 270   | 0.146 | 2     | 2.44  | 0.012 | 0.16  | 0.1   | 0.02  | 3.8   | <0.1  | <0.05 | 7     | 0.7   |
| 1345610 | Soil                             | 13    | 26    | 1.09  | 252   | 0.154 | <1    | 2.03  | 0.020 | 0.23  | 0.2   | 0.03  | 6.6   | 0.2   | <0.05 | 8     | 2.0   |
| 1345623 | Soil                             | 6     | 25    | 1.02  | 181   | 0.157 | <1    | 2.17  | 0.010 | 0.13  | 0.3   | 0.01  | 3.6   | 0.2   | <0.05 | 9     | <0.5  |
| 1345617 | Soil                             | 9     | 28    | 0.87  | 339   | 0.111 | 1     | 1.64  | 0.018 | 0.18  | 0.3   | 0.05  | 5.2   | 0.2   | <0.05 | 6     | <0.5  |
| 1345618 | Soil                             | 10    | 33    | 1.34  | 320   | 0.195 | <1    | 2.29  | 0.013 | 0.36  | 0.2   | 0.02  | 6.0   | 0.4   | <0.05 | 8     | <0.5  |
| 1345611 | Soil                             | 14    | 55    | 1.11  | 257   | 0.121 | <1    | 2.09  | 0.028 | 0.20  | 0.3   | 0.04  | 8.4   | 0.3   | <0.05 | 8     | 0.7   |
| 1347081 | Soil                             | 6     | 20    | 0.81  | 162   | 0.109 | <1    | 1.45  | 0.014 | 0.07  | 0.2   | 0.03  | 4.7   | <0.1  | <0.05 | 6     | <0.5  |
| 1345625 | Soil                             | 7     | 25    | 0.92  | 149   | 0.131 | <1    | 2.24  | 0.009 | 0.10  | 0.1   | 0.01  | 3.1   | 0.1   | <0.05 | 9     | <0.5  |
| 1345622 | Soil                             | 8     | 18    | 1.13  | 182   | 0.110 | <1    | 1.74  | 0.016 | 0.18  | 0.3   | 0.02  | 6.5   | 0.3   | <0.05 | 8     | 0.7   |
| 1345613 | Soil                             | 19    | 71    | 2.07  | 117   | 0.166 | <1    | 2.60  | 0.013 | 0.20  | 0.2   | 0.01  | 9.1   | 0.2   | <0.05 | 12    | <0.5  |
| 1349390 | Soil                             | 25    | 118   | 1.46  | 2682  | 0.018 | <1    | 2.32  | 0.014 | 0.11  | 0.2   | 0.02  | 7.8   | 0.1   | <0.05 | 7     | 2.5   |
| 1347085 | Soil                             | 11    | 33    | 1.00  | 223   | 0.105 | <1    | 2.17  | 0.016 | 0.06  | 0.1   | 0.03  | 8.1   | <0.1  | <0.05 | 7     | <0.5  |
| 1347083 | Soil                             | 8     | 28    | 0.89  | 190   | 0.098 | <1    | 1.95  | 0.013 | 0.08  | 0.1   | 0.03  | 5.8   | 0.1   | <0.05 | 7     | <0.5  |
| 1347080 | Soil                             | 9     | 36    | 1.38  | 339   | 0.168 | <1    | 2.34  | 0.018 | 0.19  | 0.2   | 0.03  | 7.9   | 0.1   | <0.05 | 8     | 0.6   |
| 1349389 | Soil                             | 19    | 36    | 0.59  | 622   | 0.030 | <1    | 2.12  | 0.008 | 0.06  | 0.2   | 0.02  | 4.6   | 0.1   | <0.05 | 6     | <0.5  |
| 1347084 | Soil                             | 7     | 35    | 1.09  | 245   | 0.115 | <1    | 1.88  | 0.021 | 0.16  | 0.1   | <0.01 | 8.3   | <0.1  | <0.05 | 7     | <0.5  |
| 1347078 | Soil                             | 6     | 26    | 1.37  | 331   | 0.151 | <1    | 2.40  | 0.014 | 0.24  | <0.1  | 0.02  | 7.5   | 0.1   | <0.05 | 10    | 0.8   |
| 1347079 | Soil                             | 6     | 31    | 1.07  | 178   | 0.155 | <1    | 2.02  | 0.013 | 0.17  | 0.1   | 0.04  | 5.0   | 0.1   | <0.05 | 8     | <0.5  |
| 1349392 | Soil                             | 6     | 31    | 1.28  | 332   | 0.102 | 1     | 2.14  | 0.016 | 0.17  | <0.1  | <0.01 | 6.6   | <0.1  | <0.05 | 8     | <0.5  |
| 1349393 | Soil                             | 10    | 18    | 1.46  | 592   | 0.106 | <1    | 2.42  | 0.017 | 0.29  | <0.1  | 0.01  | 5.7   | 0.1   | <0.05 | 8     | <0.5  |
| 1347087 | Soil                             | 15    | 41    | 0.88  | 185   | 0.099 | <1    | 1.76  | 0.014 | 0.15  | 0.1   | 0.02  | 4.4   | <0.1  | <0.05 | 7     | <0.5  |
| 1345621 | Soil                             | 9     | 24    | 1.07  | 266   | 0.123 | <1    | 1.86  | 0.015 | 0.10  | 0.1   | <0.01 | 5.3   | 0.1   | <0.05 | 8     | 0.6   |

# CERTIFICATE OF ANALYSIS

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|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|         |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|         |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 1349394 | Soil                             | 0.8   | 74.4  | 4.5   | 86    | 0.1   | 19.6  | 16.0  | 510   | 3.07  | 1.5   | 0.4   | <0.5  | 1.4   | 33    | <0.1  | 0.2   | <0.1  | 96    | 0.67  |
| 1349391 | Soil                             | 0.6   | 21.2  | 6.8   | 77    | <0.1  | 8.1   | 9.4   | 384   | 3.30  | 0.6   | 0.9   | 2.6   | 3.8   | 23    | <0.1  | 0.2   | <0.1  | 45    | 0.42  |
| 1347086 | Soil                             | 0.8   | 39.9  | 10.4  | 89    | 0.1   | 22.5  | 11.3  | 441   | 3.06  | 6.6   | 1.0   | 4.3   | 2.9   | 32    | 0.2   | 0.3   | 0.2   | 85    | 0.53  |
| 1347082 | Soil                             | 0.6   | 19.5  | 10.0  | 76    | 0.1   | 14.8  | 12.2  | 355   | 2.83  | 5.5   | 0.6   | <0.5  | 2.0   | 29    | 0.2   | 0.2   | 0.1   | 95    | 0.43  |
| 1345759 | Soil                             | 0.9   | 23.9  | 4.7   | 47    | <0.1  | 20.5  | 16.0  | 388   | 3.52  | 6.5   | 0.4   | 0.8   | 1.5   | 20    | <0.1  | 0.4   | <0.1  | 105   | 0.43  |
| 1345763 | Soil                             | 1.2   | 41.4  | 11.6  | 73    | 0.1   | 25.1  | 13.1  | 566   | 3.07  | 9.5   | 2.5   | 2.1   | 3.5   | 52    | 0.2   | 0.7   | 0.1   | 95    | 0.99  |
| 1349395 | Soil                             | 0.5   | 48.3  | 4.9   | 72    | <0.1  | 22.7  | 14.7  | 583   | 3.03  | 3.4   | 0.4   | 3.0   | 1.7   | 28    | <0.1  | 0.2   | <0.1  | 100   | 0.55  |
| 1349399 | Soil                             | 0.6   | 43.7  | 3.9   | 76    | 0.1   | 66.5  | 17.8  | 567   | 3.55  | 1.9   | 0.5   | <0.5  | 2.4   | 16    | <0.1  | 0.2   | <0.1  | 108   | 0.34  |
| 1345758 | Soil                             | 0.9   | 31.9  | 5.5   | 62    | 0.1   | 15.9  | 14.8  | 645   | 3.08  | 7.5   | 0.4   | <0.5  | 2.5   | 43    | 0.1   | 0.5   | <0.1  | 90    | 0.90  |
| 1345762 | Soil                             | 0.7   | 42.4  | 7.6   | 100   | <0.1  | 17.4  | 15.5  | 821   | 4.82  | 14.4  | 0.8   | 2.0   | 6.0   | 21    | <0.1  | 0.6   | <0.1  | 122   | 0.40  |
| 1349396 | Soil                             | 0.7   | 21.6  | 4.9   | 76    | <0.1  | 13.8  | 13.2  | 481   | 3.25  | 4.4   | 0.3   | <0.5  | 1.5   | 19    | <0.1  | 0.3   | <0.1  | 105   | 0.28  |
| 1349400 | Soil                             | 4.3   | 57.5  | 5.7   | 95    | <0.1  | 51.2  | 15.5  | 629   | 3.59  | 8.1   | 0.5   | <0.5  | 2.3   | 16    | <0.1  | 0.2   | <0.1  | 90    | 0.29  |
| 1345757 | Soil                             | 0.9   | 27.8  | 5.9   | 55    | <0.1  | 19.6  | 16.2  | 362   | 4.30  | 6.9   | 0.5   | <0.5  | 1.8   | 24    | <0.1  | 0.4   | <0.1  | 98    | 0.40  |
| 1345761 | Soil                             | 0.8   | 49.6  | 4.5   | 65    | <0.1  | 27.7  | 17.1  | 421   | 4.02  | 9.0   | 0.5   | 1.4   | 1.8   | 26    | 0.1   | 0.3   | <0.1  | 86    | 0.66  |
| 1345754 | Soil                             | 0.8   | 41.7  | 9.1   | 57    | 0.1   | 25.6  | 11.6  | 428   | 3.26  | 7.0   | 0.9   | 0.8   | 3.3   | 32    | <0.1  | 0.3   | 0.1   | 73    | 0.45  |
| 1349398 | Soil                             | 0.5   | 65.2  | 3.3   | 73    | <0.1  | 45.1  | 18.1  | 507   | 4.02  | 3.6   | 0.4   | 0.5   | 2.3   | 27    | <0.1  | 0.3   | <0.1  | 94    | 0.52  |
| 1345755 | Soil                             | 0.9   | 28.6  | 8.2   | 47    | 0.1   | 22.5  | 9.9   | 409   | 2.90  | 8.8   | 0.6   | 3.5   | 3.0   | 31    | <0.1  | 0.5   | 0.1   | 71    | 0.44  |
| 1345760 | Soil                             | 0.6   | 94.5  | 6.7   | 90    | 0.1   | 29.1  | 15.0  | 862   | 4.75  | 16.7  | 0.7   | 4.4   | 4.0   | 16    | 0.1   | 0.5   | 0.1   | 93    | 0.48  |
| 1345753 | Soil                             | 0.6   | 41.3  | 6.3   | 56    | <0.1  | 21.9  | 10.8  | 357   | 3.19  | 7.5   | 0.8   | 2.2   | 2.6   | 29    | <0.1  | 0.4   | <0.1  | 69    | 0.36  |
| 1349397 | Soil                             | 0.9   | 83.0  | 6.6   | 92    | <0.1  | 17.9  | 16.7  | 895   | 4.82  | 8.1   | 0.4   | <0.5  | 2.6   | 30    | <0.1  | 0.3   | <0.1  | 118   | 0.50  |
| 1346979 | Soil                             | 2.0   | 40.7  | 15.9  | 100   | 0.2   | 28.8  | 13.6  | 544   | 4.14  | 21.0  | 1.1   | 7.6   | 5.2   | 49    | 0.3   | 0.4   | 0.3   | 82    | 0.73  |
| 1345764 | Soil                             | 0.6   | 29.4  | 7.9   | 63    | <0.1  | 25.1  | 10.8  | 270   | 2.97  | 8.2   | 0.6   | 3.9   | 3.0   | 30    | <0.1  | 0.4   | 0.1   | 66    | 0.48  |
| 1345768 | Soil                             | 0.9   | 30.6  | 9.1   | 103   | <0.1  | 23.5  | 14.2  | 480   | 3.34  | 6.7   | 0.6   | <0.5  | 1.7   | 21    | 0.2   | 0.3   | 0.1   | 86    | 0.33  |
| 1345752 | Soil                             | 1.1   | 35.2  | 8.0   | 79    | <0.1  | 22.8  | 15.7  | 594   | 4.05  | 6.6   | 0.3   | 0.8   | 1.5   | 26    | <0.1  | 0.4   | 0.1   | 93    | 0.21  |
| 1346978 | Soil                             | 1.3   | 44.4  | 6.4   | 76    | 0.4   | 20.7  | 12.3  | 429   | 3.64  | 9.2   | 0.6   | 2.5   | 1.4   | 33    | 0.3   | 0.3   | <0.1  | 89    | 0.57  |
| 1346982 | Soil                             | 0.9   | 16.4  | 6.4   | 61    | 0.1   | 14.9  | 5.7   | 209   | 2.08  | 5.3   | 0.9   | 9.6   | 3.0   | 35    | 0.2   | 0.3   | 0.3   | 41    | 0.56  |
| 1345769 | Soil                             | 0.5   | 38.3  | 8.3   | 85    | 0.1   | 28.1  | 12.7  | 394   | 3.08  | 6.4   | 0.7   | 3.3   | 1.9   | 29    | 0.3   | 0.4   | 0.1   | 83    | 0.48  |
| 1345756 | Soil                             | 0.7   | 44.8  | 5.5   | 61    | 0.2   | 19.1  | 9.9   | 366   | 2.52  | 4.6   | 1.0   | 4.0   | 1.7   | 42    | 0.2   | 0.2   | <0.1  | 59    | 0.85  |
| 1346977 | Soil                             | 1.3   | 45.5  | 6.9   | 88    | 0.4   | 19.8  | 12.3  | 431   | 3.59  | 8.5   | 0.6   | 4.3   | 1.4   | 24    | 0.3   | 0.3   | 0.1   | 91    | 0.38  |
| 1346981 | Soil                             | 1.3   | 28.9  | 7.4   | 110   | 0.3   | 8.0   | 7.4   | 493   | 2.00  | 4.8   | 1.0   | 1.0   | 3.2   | 22    | 0.8   | 0.1   | 0.4   | 39    | 0.33  |

# CERTIFICATE OF ANALYSIS

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|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    |
|         |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|         |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 1349394 | Soil                             | 4     | 25    | 1.22  | 584   | 0.173 | <1    | 1.86  | 0.014 | 0.49  | <0.1  | <0.01 | 2.8   | 0.2   | <0.05 | 6     | <0.5  |
| 1349391 | Soil                             | 12    | 15    | 1.44  | 236   | 0.122 | <1    | 2.04  | 0.008 | 0.17  | <0.1  | <0.01 | 7.0   | 0.1   | <0.05 | 8     | <0.5  |
| 1347086 | Soil                             | 13    | 33    | 0.86  | 283   | 0.097 | <1    | 2.01  | 0.019 | 0.05  | 0.2   | 0.04  | 6.8   | <0.1  | <0.05 | 7     | 1.1   |
| 1347082 | Soil                             | 8     | 29    | 1.01  | 196   | 0.134 | 1     | 1.95  | 0.015 | 0.08  | 0.2   | 0.04  | 6.0   | 0.2   | <0.05 | 7     | <0.5  |
| 1345759 | Soil                             | 6     | 46    | 0.90  | 144   | 0.085 | 1     | 1.96  | 0.020 | 0.08  | <0.1  | 0.01  | 8.3   | <0.1  | <0.05 | 7     | 0.9   |
| 1345763 | Soil                             | 18    | 35    | 0.85  | 239   | 0.074 | <1    | 2.00  | 0.022 | 0.10  | 0.2   | 0.06  | 7.4   | <0.1  | <0.05 | 6     | 1.1   |
| 1349395 | Soil                             | 6     | 23    | 0.99  | 293   | 0.127 | <1    | 1.85  | 0.015 | 0.08  | <0.1  | 0.01  | 4.0   | <0.1  | <0.05 | 7     | <0.5  |
| 1349399 | Soil                             | 6     | 122   | 1.84  | 471   | 0.226 | <1    | 2.67  | 0.013 | 1.01  | <0.1  | <0.01 | 3.1   | 0.3   | <0.05 | 8     | <0.5  |
| 1345758 | Soil                             | 8     | 25    | 0.76  | 295   | 0.084 | 4     | 1.59  | 0.025 | 0.25  | <0.1  | 0.02  | 6.2   | <0.1  | <0.05 | 5     | 1.2   |
| 1345762 | Soil                             | 30    | 32    | 1.45  | 169   | 0.069 | <1    | 2.58  | 0.012 | 0.34  | <0.1  | 0.04  | 12.0  | 0.2   | <0.05 | 9     | <0.5  |
| 1349396 | Soil                             | 5     | 27    | 1.10  | 250   | 0.167 | <1    | 2.06  | 0.015 | 0.25  | 0.1   | <0.01 | 3.0   | <0.1  | <0.05 | 7     | <0.5  |
| 1349400 | Soil                             | 6     | 67    | 1.67  | 338   | 0.192 | <1    | 2.60  | 0.007 | 0.87  | <0.1  | <0.01 | 2.3   | 0.4   | <0.05 | 7     | <0.5  |
| 1345757 | Soil                             | 7     | 34    | 1.06  | 174   | 0.116 | 1     | 2.03  | 0.019 | 0.09  | <0.1  | 0.02  | 6.3   | <0.1  | <0.05 | 6     | <0.5  |
| 1345761 | Soil                             | 7     | 38    | 1.52  | 175   | 0.082 | 2     | 2.23  | 0.014 | 0.13  | <0.1  | 0.02  | 8.8   | <0.1  | <0.05 | 7     | <0.5  |
| 1345754 | Soil                             | 14    | 41    | 0.74  | 356   | 0.106 | 2     | 1.79  | 0.020 | 0.06  | 0.1   | 0.03  | 5.3   | <0.1  | <0.05 | 6     | <0.5  |
| 1349398 | Soil                             | 8     | 71    | 1.78  | 444   | 0.195 | 2     | 2.28  | 0.016 | 0.50  | 0.1   | 0.01  | 4.1   | 0.2   | <0.05 | 6     | <0.5  |
| 1345755 | Soil                             | 13    | 34    | 0.61  | 309   | 0.092 | 3     | 1.71  | 0.020 | 0.05  | 0.1   | 0.03  | 4.8   | <0.1  | <0.05 | 5     | <0.5  |
| 1345760 | Soil                             | 23    | 35    | 1.46  | 184   | 0.012 | 2     | 2.26  | 0.007 | 0.11  | <0.1  | 0.02  | 7.3   | <0.1  | <0.05 | 9     | <0.5  |
| 1345753 | Soil                             | 11    | 33    | 0.77  | 290   | 0.098 | 3     | 1.76  | 0.013 | 0.06  | <0.1  | 0.02  | 4.9   | <0.1  | <0.05 | 5     | <0.5  |
| 1349397 | Soil                             | 8     | 27    | 1.47  | 250   | 0.176 | 2     | 2.34  | 0.017 | 0.19  | 0.1   | <0.01 | 5.1   | <0.1  | <0.05 | 8     | <0.5  |
| 1346979 | Soil                             | 23    | 56    | 1.39  | 163   | 0.060 | 2     | 2.32  | 0.017 | 0.11  | 0.1   | 0.03  | 8.4   | <0.1  | <0.05 | 8     | 0.7   |
| 1345764 | Soil                             | 13    | 32    | 0.62  | 208   | 0.098 | 2     | 1.51  | 0.023 | 0.06  | 0.2   | 0.02  | 4.2   | <0.1  | <0.05 | 4     | <0.5  |
| 1345768 | Soil                             | 8     | 51    | 1.10  | 166   | 0.080 | 3     | 1.98  | 0.014 | 0.05  | <0.1  | 0.02  | 5.3   | <0.1  | <0.05 | 6     | <0.5  |
| 1345752 | Soil                             | 6     | 38    | 1.05  | 307   | 0.163 | 2     | 2.39  | 0.011 | 0.14  | 0.1   | 0.02  | 2.8   | <0.1  | <0.05 | 8     | <0.5  |
| 1346978 | Soil                             | 8     | 42    | 0.96  | 142   | 0.071 | 2     | 1.89  | 0.015 | 0.07  | 0.1   | 0.04  | 6.1   | <0.1  | <0.05 | 7     | <0.5  |
| 1346982 | Soil                             | 15    | 32    | 0.77  | 230   | 0.065 | 2     | 1.44  | 0.015 | 0.06  | 0.1   | 0.04  | 3.7   | <0.1  | <0.05 | 5     | <0.5  |
| 1345769 | Soil                             | 10    | 69    | 1.16  | 256   | 0.081 | 2     | 1.84  | 0.018 | 0.07  | 0.2   | 0.05  | 7.2   | <0.1  | <0.05 | 6     | <0.5  |
| 1345756 | Soil                             | 11    | 30    | 0.77  | 404   | 0.089 | 2     | 1.53  | 0.013 | 0.13  | 0.1   | 0.05  | 4.9   | <0.1  | <0.05 | 5     | <0.5  |
| 1346977 | Soil                             | 9     | 40    | 1.08  | 231   | 0.092 | 2     | 2.06  | 0.011 | 0.09  | <0.1  | 0.03  | 5.5   | <0.1  | <0.05 | 7     | <0.5  |
| 1346981 | Soil                             | 20    | 17    | 0.49  | 181   | 0.040 | 1     | 1.27  | 0.007 | 0.06  | <0.1  | 0.02  | 2.7   | 0.1   | <0.05 | 5     | <0.5  |

# CERTIFICATE OF ANALYSIS

WHI14000101.1

|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|         |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|         |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 1345751 | Rock Pulp                        | 2.3   | 23.2  | 2.3   | 44    | 0.2   | 21.6  | 9.6   | 377   | 2.48  | 5.1   | 0.2   | 3.5   | 0.8   | 37    | 0.1   | 0.3   | <0.1  | 61    | 0.78  | 0.058 |
| 1345766 | Soil                             | 0.6   | 21.1  | 7.3   | 69    | <0.1  | 16.8  | 8.7   | 242   | 2.64  | 5.8   | 0.5   | 1.0   | 0.9   | 16    | <0.1  | 0.2   | 0.1   | 66    | 0.22  | 0.039 |
| 1346976 | Soil                             | 1.1   | 57.2  | 8.8   | 93    | 0.2   | 20.8  | 15.4  | 561   | 3.65  | 11.4  | 0.7   | 4.7   | 2.2   | 23    | 0.1   | 0.3   | 0.1   | 83    | 0.34  | 0.042 |
| 1346980 | Soil                             | 1.7   | 25.2  | 9.2   | 131   | 0.1   | 15.0  | 17.2  | 756   | 3.42  | 8.0   | 0.7   | 0.6   | 4.7   | 26    | 0.3   | 0.2   | 0.5   | 58    | 0.43  | 0.072 |
| 1345765 | Soil                             | 0.6   | 23.4  | 8.9   | 82    | 0.1   | 18.7  | 9.1   | 250   | 2.69  | 4.9   | 0.4   | 2.2   | 1.0   | 19    | <0.1  | 0.3   | 0.1   | 74    | 0.25  | 0.041 |
| 1345767 | Soil                             | 0.6   | 26.0  | 9.4   | 95    | <0.1  | 24.3  | 14.1  | 427   | 3.51  | 7.4   | 0.5   | 1.6   | 1.9   | 17    | 0.1   | 0.3   | 0.1   | 88    | 0.31  | 0.038 |
| 1346952 | Soil                             | 0.9   | 41.5  | 17.3  | 128   | 0.1   | 30.5  | 11.1  | 362   | 3.40  | 10.7  | 1.6   | 1.1   | 5.8   | 35    | 0.2   | 0.4   | 0.1   | 61    | 0.27  | 0.041 |
| 1346956 | Soil                             | 1.1   | 73.5  | 10.2  | 127   | 0.4   | 26.6  | 12.8  | 414   | 3.29  | 6.1   | 0.5   | 3.0   | 2.2   | 21    | 0.3   | 0.3   | 0.1   | 77    | 0.24  | 0.028 |
| 1346959 | Soil                             | 1.1   | 42.3  | 24.3  | 134   | <0.1  | 30.3  | 12.3  | 440   | 3.46  | 22.3  | 2.0   | 2.3   | 6.1   | 26    | 0.3   | 0.5   | 0.2   | 65    | 0.21  | 0.029 |
| 1346972 | Soil                             | 1.0   | 20.8  | 15.2  | 87    | 0.2   | 16.6  | 5.2   | 158   | 2.42  | 9.1   | 0.6   | 2.5   | 1.2   | 18    | <0.1  | 0.2   | 0.2   | 57    | 0.17  | 0.041 |
| 1346971 | Soil                             | 0.9   | 33.7  | 12.2  | 96    | 0.2   | 26.2  | 9.2   | 466   | 2.26  | 11.4  | 1.5   | 6.1   | 2.0   | 44    | 0.4   | 0.4   | 0.1   | 50    | 1.05  | 0.061 |
| 1346955 | Soil                             | 1.1   | 38.4  | 28.0  | 179   | 0.4   | 30.5  | 10.4  | 626   | 3.94  | 8.8   | 0.9   | 2.0   | 3.8   | 41    | 0.3   | 0.2   | 0.3   | 77    | 0.36  | 0.074 |
| 1346957 | Soil                             | 1.3   | 42.8  | 6.6   | 196   | <0.1  | 46.2  | 20.7  | 758   | 4.55  | 2.7   | 0.6   | <0.5  | 1.7   | 20    | 0.3   | 0.1   | <0.1  | 106   | 0.31  | 0.042 |
| 1346961 | Soil                             | 1.3   | 35.1  | 10.4  | 75    | 0.1   | 32.1  | 13.5  | 510   | 3.49  | 13.2  | 1.1   | 3.0   | 4.4   | 22    | 0.1   | 0.5   | 0.2   | 79    | 0.21  | 0.042 |
| 1346973 | Soil                             | 1.7   | 50.2  | 21.7  | 139   | 0.4   | 19.1  | 7.4   | 277   | 3.36  | 6.9   | 0.8   | 9.5   | 1.7   | 41    | 0.3   | 0.2   | 0.3   | 76    | 0.31  | 0.053 |
| 1346953 | Soil                             | 0.8   | 24.6  | 12.5  | 95    | 0.1   | 26.9  | 11.5  | 307   | 3.14  | 11.1  | 0.7   | 6.0   | 4.1   | 21    | 0.2   | 0.4   | 0.1   | 71    | 0.18  | 0.021 |
| 1346958 | Soil                             | 0.9   | 59.9  | 25.0  | 236   | 0.6   | 34.2  | 16.1  | 603   | 4.16  | 6.5   | 0.6   | 2.7   | 1.9   | 23    | 0.5   | 0.3   | 0.2   | 91    | 0.24  | 0.044 |
| 1346962 | Soil                             | 1.3   | 27.2  | 10.9  | 75    | 0.1   | 25.4  | 10.4  | 390   | 2.85  | 12.2  | 0.8   | 1.4   | 3.7   | 22    | <0.1  | 0.4   | 0.1   | 59    | 0.20  | 0.042 |
| 1346974 | Soil                             | 0.7   | 41.7  | 9.2   | 73    | 0.2   | 14.3  | 9.8   | 308   | 2.75  | 10.7  | 0.7   | 8.1   | 1.7   | 17    | 0.1   | 0.4   | 0.2   | 77    | 0.24  | 0.037 |
| 1346950 | Soil                             | 0.8   | 87.8  | 6.6   | 108   | 0.3   | 33.0  | 16.5  | 582   | 3.81  | 6.2   | 0.7   | 5.2   | 2.6   | 27    | <0.1  | 0.3   | 0.1   | 105   | 0.40  | 0.041 |
| 1346954 | Soil                             | 0.7   | 31.7  | 11.7  | 82    | <0.1  | 26.7  | 10.8  | 363   | 2.66  | 11.2  | 1.1   | 2.8   | 5.8   | 22    | <0.1  | 0.5   | 0.1   | 68    | 0.23  | 0.023 |
| 1346960 | Soil                             | 1.1   | 24.7  | 12.3  | 80    | <0.1  | 23.0  | 9.7   | 343   | 2.67  | 11.9  | 0.8   | 5.6   | 4.1   | 18    | 0.1   | 0.5   | 0.1   | 77    | 0.17  | 0.019 |
| 1345582 | Soil                             | 0.6   | 28.0  | 7.3   | 63    | 0.1   | 27.4  | 10.0  | 499   | 2.23  | 7.5   | 0.8   | 1.2   | 3.3   | 36    | 0.2   | 0.6   | 0.1   | 62    | 0.65  | 0.077 |
| 1346963 | Soil                             | 1.1   | 28.3  | 10.1  | 73    | 0.1   | 27.2  | 11.9  | 423   | 3.10  | 10.1  | 0.9   | 3.7   | 4.2   | 20    | 0.1   | 0.6   | 0.2   | 83    | 0.21  | 0.033 |
| 1346967 | Soil                             | 2.1   | 16.0  | 11.7  | 42    | 0.1   | 12.0  | 5.1   | 210   | 3.01  | 15.3  | 0.5   | 1.1   | 1.3   | 13    | <0.1  | 0.5   | 0.2   | 97    | 0.09  | 0.044 |
| 1346970 | Soil                             | 1.7   | 38.1  | 12.3  | 227   | 0.2   | 38.9  | 20.1  | 886   | 3.57  | 9.2   | 1.4   | 2.0   | 4.0   | 57    | 0.8   | 0.2   | 0.2   | 103   | 0.97  | 0.095 |
| 1345584 | Soil                             | 1.0   | 27.1  | 17.8  | 58    | <0.1  | 22.8  | 7.7   | 256   | 2.62  | 8.4   | 1.5   | 2.2   | 7.7   | 31    | 0.1   | 0.7   | 0.3   | 75    | 0.34  | 0.016 |
| 1345583 | Soil                             | 0.7   | 37.2  | 8.9   | 85    | <0.1  | 31.4  | 12.5  | 610   | 5.16  | 4.7   | 1.5   | <0.5  | 21.1  | 16    | 0.1   | 0.2   | 0.1   | 74    | 0.27  | 0.027 |
| 1346966 | Soil                             | 2.6   | 49.2  | 6.2   | 123   | 0.2   | 46.1  | 20.0  | 413   | 4.39  | 20.5  | 1.9   | 1.1   | 2.6   | 38    | 0.5   | 0.5   | <0.1  | 106   | 0.48  | 0.098 |
| 1346969 | Soil                             | 1.5   | 27.2  | 9.1   | 72    | 0.2   | 25.2  | 10.6  | 619   | 2.27  | 11.5  | 1.4   | 2.6   | 2.1   | 47    | 0.3   | 0.4   | 0.1   | 57    | 1.01  | 0.066 |

# CERTIFICATE OF ANALYSIS

WHI14000101.1

|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|         |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|         |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 1345751 | Rock Pulp                        | 4     | 30    | 0.78  | 92    | 0.110 | 5     | 1.51  | 0.071 | 0.12  | 13.1  | <0.01 | 4.3   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 1345766 | Soil                             | 8     | 37    | 0.76  | 200   | 0.064 | 1     | 1.62  | 0.012 | 0.07  | 0.1   | 0.04  | 4.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 1346976 | Soil                             | 10    | 36    | 1.13  | 212   | 0.085 | 2     | 2.16  | 0.013 | 0.08  | 0.1   | 0.01  | 5.9   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 1346980 | Soil                             | 9     | 17    | 1.25  | 126   | 0.063 | 1     | 1.74  | 0.008 | 0.13  | 0.1   | 0.01  | 4.2   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 1345765 | Soil                             | 8     | 41    | 0.94  | 191   | 0.085 | 2     | 1.84  | 0.011 | 0.08  | 0.1   | 0.05  | 4.4   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 1345767 | Soil                             | 9     | 61    | 1.16  | 172   | 0.093 | 1     | 1.99  | 0.013 | 0.07  | <0.1  | 0.04  | 5.3   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 1346952 | Soil                             | 21    | 38    | 0.88  | 220   | 0.102 | <1    | 1.88  | 0.017 | 0.10  | 0.1   | 0.02  | 5.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1346956 | Soil                             | 10    | 68    | 1.18  | 257   | 0.162 | 1     | 2.07  | 0.013 | 0.09  | 0.1   | 0.02  | 3.7   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1346959 | Soil                             | 27    | 40    | 0.58  | 281   | 0.084 | <1    | 1.82  | 0.014 | 0.06  | 0.1   | 0.04  | 7.1   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 1346972 | Soil                             | 10    | 36    | 0.72  | 112   | 0.060 | <1    | 1.57  | 0.008 | 0.05  | 0.1   | 0.03  | 2.6   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 1346971 | Soil                             | 15    | 31    | 0.78  | 214   | 0.058 | 3     | 1.45  | 0.016 | 0.06  | 0.1   | 0.04  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 1346955 | Soil                             | 12    | 102   | 2.06  | 456   | 0.146 | <1    | 2.61  | 0.036 | 0.53  | <0.1  | 0.02  | 5.5   | 0.3   | 0.18  | 7     | 1.0   | <0.2  |
| 1346957 | Soil                             | 6     | 157   | 3.10  | 687   | 0.298 | 1     | 3.47  | 0.012 | 0.81  | <0.1  | 0.01  | 4.7   | 0.4   | <0.05 | 8     | <0.5  | <0.2  |
| 1346961 | Soil                             | 16    | 41    | 0.66  | 242   | 0.098 | 3     | 2.36  | 0.013 | 0.06  | 0.2   | 0.04  | 5.8   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 1346973 | Soil                             | 9     | 60    | 1.36  | 628   | 0.109 | <1    | 2.10  | 0.021 | 0.19  | <0.1  | 0.05  | 5.1   | 0.1   | 0.07  | 7     | 1.2   | <0.2  |
| 1346953 | Soil                             | 15    | 39    | 0.66  | 199   | 0.089 | 1     | 2.26  | 0.012 | 0.05  | <0.1  | 0.02  | 3.8   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 1346958 | Soil                             | 7     | 97    | 1.70  | 337   | 0.209 | <1    | 2.62  | 0.012 | 0.26  | <0.1  | 0.02  | 4.0   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 1346962 | Soil                             | 15    | 31    | 0.57  | 203   | 0.067 | <1    | 1.83  | 0.010 | 0.06  | 0.1   | 0.02  | 3.9   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 1346974 | Soil                             | 9     | 30    | 0.85  | 244   | 0.076 | 2     | 1.95  | 0.011 | 0.07  | 0.1   | 0.03  | 4.7   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| 1346950 | Soil                             | 9     | 108   | 1.93  | 379   | 0.206 | <1    | 2.66  | 0.015 | 0.47  | <0.1  | 0.02  | 5.7   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 1346954 | Soil                             | 26    | 38    | 0.71  | 192   | 0.071 | 1     | 1.84  | 0.011 | 0.07  | 0.1   | 0.03  | 6.1   | <0.1  | <0.05 | 5     | <0.5  | 0.2   |
| 1346960 | Soil                             | 12    | 36    | 0.57  | 189   | 0.071 | <1    | 1.93  | 0.011 | 0.05  | <0.1  | 0.01  | 4.6   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 1345582 | Soil                             | 13    | 28    | 0.57  | 213   | 0.077 | <1    | 1.28  | 0.030 | 0.07  | 0.2   | <0.01 | 3.7   | <0.1  | <0.05 | 4     | <0.5  | <0.2  |
| 1346963 | Soil                             | 13    | 39    | 0.65  | 234   | 0.088 | 2     | 2.35  | 0.011 | 0.06  | 0.2   | 0.03  | 4.7   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 1346967 | Soil                             | 8     | 26    | 0.31  | 72    | 0.064 | <1    | 1.72  | 0.010 | 0.05  | 0.1   | 0.05  | 2.6   | 0.1   | <0.05 | 8     | <0.5  | <0.2  |
| 1346970 | Soil                             | 16    | 137   | 2.36  | 357   | 0.178 | 1     | 2.79  | 0.019 | 0.28  | <0.1  | 0.03  | 8.5   | 0.2   | 0.07  | 10    | 0.5   | <0.2  |
| 1345584 | Soil                             | 19    | 38    | 0.53  | 269   | 0.080 | 2     | 1.90  | 0.016 | 0.05  | 0.2   | 0.03  | 6.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 1345583 | Soil                             | 26    | 60    | 1.43  | 138   | 0.210 | 1     | 2.83  | 0.008 | 0.86  | 0.1   | <0.01 | 7.0   | 0.4   | <0.05 | 13    | <0.5  | <0.2  |
| 1346966 | Soil                             | 15    | 40    | 1.41  | 397   | 0.187 | <1    | 2.30  | 0.018 | 0.41  | 0.1   | 0.03  | 5.7   | 0.2   | <0.05 | 9     | 0.5   | <0.2  |
| 1346969 | Soil                             | 14    | 31    | 0.61  | 213   | 0.061 | <1    | 1.38  | 0.018 | 0.07  | <0.1  | 0.04  | 3.7   | <0.1  | <0.05 | 5     | 1.1   | <0.2  |

# CERTIFICATE OF ANALYSIS

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|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|         |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|         |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 1345586 | Soil                             | 0.5   | 25.4  | 34.9  | 89    | <0.1  | 17.2  | 5.9   | 210   | 1.89  | 2.4   | 3.0   | <0.5  | 10.6  | 27    | 0.2   | 0.4   | 0.5   | 55    | 0.35  |
| 1345585 | Soil                             | 1.0   | 22.4  | 24.4  | 61    | <0.1  | 20.5  | 6.8   | 206   | 2.16  | 4.8   | 2.1   | 3.1   | 9.8   | 24    | 0.1   | 0.4   | 0.4   | 67    | 0.28  |
| 1346965 | Soil                             | 0.9   | 47.8  | 37.8  | 86    | 0.3   | 71.9  | 24.4  | 2337  | 4.22  | 15.9  | 1.2   | 3.2   | 8.3   | 30    | <0.1  | 0.3   | 0.1   | 52    | 0.50  |
| 1346975 | Soil                             | 0.9   | 41.3  | 9.5   | 74    | 0.3   | 16.5  | 9.7   | 309   | 2.84  | 11.8  | 0.7   | 7.7   | 2.0   | 18    | 0.2   | 0.3   | 0.2   | 81    | 0.22  |
| 1345577 | Soil                             | 0.9   | 9.7   | 10.1  | 61    | 0.1   | 13.8  | 6.0   | 256   | 2.16  | 3.7   | 1.1   | 1.5   | 3.1   | 24    | 0.1   | 0.2   | 0.1   | 62    | 0.27  |
| 1345587 | Soil                             | 0.7   | 13.6  | 32.8  | 69    | 0.2   | 14.0  | 4.7   | 138   | 1.63  | 3.7   | 7.3   | 3.0   | 5.9   | 29    | 0.3   | 0.3   | 0.5   | 47    | 0.38  |
| 1346964 | Soil                             | 1.0   | 26.5  | 11.2  | 63    | 0.2   | 25.4  | 10.6  | 387   | 2.73  | 10.5  | 0.8   | 13.3  | 4.2   | 20    | <0.1  | 0.5   | 0.1   | 67    | 0.23  |
| 1346968 | Soil                             | 1.7   | 36.3  | 10.6  | 106   | 0.3   | 51.4  | 15.1  | 785   | 2.85  | 17.1  | 2.1   | 3.3   | 3.6   | 35    | 0.3   | 0.5   | 0.2   | 60    | 0.71  |
| 1345598 | Soil                             | 3.3   | 37.9  | 62.5  | 177   | 0.8   | 29.2  | 10.8  | 340   | 3.43  | 9.6   | 14.6  | 3.4   | 21.1  | 42    | 0.5   | 0.5   | 0.8   | 83    | 0.59  |
| 1345589 | Soil                             | 3.3   | 22.5  | 80.2  | 152   | 0.4   | 20.1  | 8.4   | 368   | 2.71  | 4.2   | 10.9  | 2.3   | 13.5  | 33    | 0.3   | 0.3   | 1.1   | 71    | 0.49  |
| 1345576 | Soil                             | 0.8   | 9.2   | 8.5   | 42    | <0.1  | 9.0   | 4.3   | 125   | 1.57  | 11.7  | 1.0   | 0.7   | 1.4   | 18    | 0.1   | 0.1   | 0.2   | 37    | 0.20  |
| 1345580 | Soil                             | 0.9   | 25.0  | 8.7   | 73    | 0.1   | 22.3  | 12.1  | 426   | 2.68  | 7.2   | 0.9   | 4.5   | 3.2   | 37    | 0.2   | 0.6   | 0.1   | 66    | 0.64  |
| 1345593 | Soil                             | 0.9   | 20.9  | 34.2  | 84    | <0.1  | 24.4  | 10.2  | 325   | 3.22  | 8.4   | 2.8   | 3.3   | 11.3  | 31    | 0.2   | 0.6   | 0.5   | 83    | 0.35  |
| 1345591 | Soil                             | 1.6   | 26.0  | 38.9  | 103   | 0.4   | 20.6  | 11.4  | 838   | 2.71  | 5.4   | 5.8   | 3.4   | 8.8   | 39    | 0.5   | 0.5   | 0.5   | 74    | 0.53  |
| 1345592 | Soil                             | 1.2   | 15.2  | 37.0  | 81    | 0.2   | 16.4  | 6.3   | 361   | 2.38  | 5.6   | 2.8   | 2.6   | 6.6   | 28    | 0.2   | 0.4   | 0.5   | 72    | 0.33  |
| 1345579 | Soil                             | 1.0   | 23.0  | 31.7  | 87    | 0.2   | 20.2  | 9.5   | 372   | 2.70  | 4.3   | 2.7   | 1.2   | 5.1   | 36    | 0.1   | 0.3   | 0.2   | 69    | 0.60  |
| 1345595 | Soil                             | 1.2   | 15.4  | 38.0  | 81    | <0.1  | 24.6  | 10.4  | 253   | 3.04  | 6.7   | 0.9   | 4.6   | 6.5   | 15    | 0.2   | 0.6   | 0.6   | 84    | 0.15  |
| 1345590 | Soil                             | 2.2   | 24.3  | 42.0  | 91    | 0.3   | 18.9  | 9.1   | 310   | 3.00  | 6.5   | 7.8   | 3.6   | 10.8  | 29    | 0.4   | 0.5   | 0.6   | 74    | 0.33  |
| 1345597 | Soil                             | 1.6   | 11.9  | 33.9  | 70    | 0.1   | 13.3  | 6.4   | 183   | 2.55  | 5.2   | 0.9   | 3.4   | 4.9   | 13    | 0.2   | 0.4   | 0.5   | 74    | 0.13  |
| 1345578 | Soil                             | 0.7   | 16.8  | 9.6   | 84    | 0.2   | 17.3  | 8.6   | 292   | 2.23  | 3.6   | 1.9   | 1.6   | 3.4   | 38    | <0.1  | 0.1   | 0.1   | 57    | 0.60  |
| 1345588 | Soil                             | 1.2   | 14.2  | 39.9  | 70    | 0.2   | 12.4  | 5.1   | 170   | 2.36  | 5.0   | 3.2   | 2.4   | 6.3   | 14    | 0.5   | 0.5   | 0.8   | 70    | 0.13  |
| 1345596 | Soil                             | 2.1   | 19.3  | 34.3  | 72    | 0.2   | 19.6  | 7.5   | 209   | 3.10  | 7.0   | 2.5   | 2.2   | 9.6   | 18    | 0.2   | 0.6   | 0.5   | 93    | 0.18  |
| 1345599 | Soil                             | 1.1   | 17.4  | 13.2  | 74    | 0.1   | 20.7  | 9.3   | 311   | 2.69  | 5.1   | 1.0   | 1.1   | 5.1   | 26    | 0.2   | 0.5   | 0.2   | 73    | 0.35  |
| 1345581 | Soil                             | 0.7   | 23.0  | 8.9   | 63    | 0.1   | 22.4  | 10.1  | 323   | 2.47  | 6.3   | 1.0   | 3.2   | 3.8   | 33    | 0.2   | 0.6   | 0.2   | 69    | 0.51  |
| 1334255 | Soil                             | 1.9   | 48.4  | 10.2  | 115   | 0.2   | 46.9  | 14.6  | 786   | 3.68  | 12.7  | 1.6   | 3.7   | 4.1   | 55    | 0.3   | 0.4   | 0.1   | 112   | 1.41  |
| 1345604 | Soil                             | 0.9   | 17.5  | 18.9  | 81    | <0.1  | 19.8  | 13.9  | 729   | 2.65  | 5.9   | 1.0   | 3.6   | 4.1   | 29    | 0.2   | 0.4   | 0.2   | 76    | 0.33  |
| 1345602 | Soil                             | 0.7   | 21.1  | 17.7  | 82    | 0.1   | 22.7  | 10.2  | 330   | 2.63  | 5.6   | 1.2   | 2.6   | 5.6   | 36    | 0.2   | 0.5   | 0.2   | 73    | 0.37  |
| 1345594 | Soil                             | 1.3   | 21.5  | 43.4  | 93    | 0.1   | 21.6  | 8.7   | 292   | 3.53  | 9.9   | 1.6   | 4.9   | 6.5   | 21    | 0.2   | 0.5   | 0.7   | 91    | 0.22  |
| 1334258 | Soil                             | 2.2   | 46.5  | 29.7  | 193   | 0.3   | 52.9  | 11.2  | 243   | 3.72  | 24.0  | 1.4   | 4.6   | 10.4  | 28    | 1.0   | 0.5   | 0.3   | 91    | 0.43  |
| 1334254 | Soil                             | 2.0   | 59.5  | 10.3  | 134   | 0.4   | 56.0  | 15.3  | 670   | 3.65  | 17.7  | 1.2   | 3.4   | 4.9   | 42    | 1.1   | 0.5   | 0.1   | 101   | 0.93  |

# CERTIFICATE OF ANALYSIS

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|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    | Te    |
|         |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|         |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| 1345586 | Soil                             | 20    | 28    | 0.46  | 171   | 0.088 | <1    | 1.24  | 0.020 | 0.07  | 0.3   | <0.01 | 3.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 1345585 | Soil                             | 20    | 32    | 0.41  | 205   | 0.083 | <1    | 1.47  | 0.013 | 0.05  | 0.2   | 0.03  | 4.4   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 1346965 | Soil                             | 30    | 84    | 1.10  | 222   | 0.187 | <1    | 2.38  | 0.008 | 0.48  | <0.1  | 0.04  | 6.7   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 1346975 | Soil                             | 10    | 31    | 0.85  | 250   | 0.077 | <1    | 1.93  | 0.012 | 0.07  | 0.1   | 0.02  | 4.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 1345577 | Soil                             | 15    | 36    | 0.51  | 103   | 0.071 | <1    | 1.32  | 0.013 | 0.09  | <0.1  | 0.02  | 3.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1345587 | Soil                             | 25    | 23    | 0.36  | 161   | 0.063 | <1    | 1.23  | 0.016 | 0.06  | 0.4   | 0.04  | 3.2   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 1346964 | Soil                             | 17    | 35    | 0.60  | 194   | 0.062 | 2     | 1.89  | 0.010 | 0.06  | 0.1   | 0.02  | 4.7   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 1346968 | Soil                             | 20    | 48    | 0.91  | 198   | 0.078 | 1     | 1.90  | 0.016 | 0.09  | <0.1  | 0.04  | 4.8   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1345598 | Soil                             | 221   | 45    | 0.66  | 357   | 0.089 | 2     | 2.79  | 0.020 | 0.11  | 0.5   | 0.06  | 7.3   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 1345589 | Soil                             | 42    | 35    | 0.61  | 221   | 0.084 | 3     | 2.24  | 0.017 | 0.09  | 0.5   | 0.04  | 5.5   | 0.2   | <0.05 | 9     | <0.5  | <0.2  |
| 1345576 | Soil                             | 15    | 22    | 0.34  | 96    | 0.058 | <1    | 0.99  | 0.011 | 0.07  | 0.1   | 0.04  | 2.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1345580 | Soil                             | 15    | 31    | 0.61  | 262   | 0.076 | 3     | 1.59  | 0.024 | 0.07  | 0.2   | 0.04  | 4.8   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 1345593 | Soil                             | 24    | 45    | 0.60  | 223   | 0.090 | 1     | 2.51  | 0.015 | 0.06  | 0.2   | 0.02  | 5.4   | <0.1  | <0.05 | 9     | <0.5  | <0.2  |
| 1345591 | Soil                             | 40    | 36    | 0.52  | 286   | 0.075 | 2     | 2.08  | 0.015 | 0.07  | 0.4   | 0.02  | 5.4   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 1345592 | Soil                             | 21    | 29    | 0.44  | 177   | 0.068 | <1    | 1.60  | 0.014 | 0.05  | 0.3   | 0.02  | 3.9   | <0.1  | <0.05 | 7     | 0.5   | <0.2  |
| 1345579 | Soil                             | 34    | 48    | 0.61  | 289   | 0.063 | <1    | 1.95  | 0.016 | 0.09  | 0.2   | 0.07  | 5.6   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 1345595 | Soil                             | 9     | 37    | 0.46  | 146   | 0.091 | <1    | 2.77  | 0.011 | 0.05  | 0.3   | 0.02  | 3.5   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 1345590 | Soil                             | 44    | 38    | 0.61  | 236   | 0.084 | 1     | 2.28  | 0.013 | 0.09  | 0.3   | 0.03  | 5.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 1345597 | Soil                             | 12    | 26    | 0.31  | 125   | 0.075 | <1    | 1.58  | 0.012 | 0.04  | 0.2   | 0.03  | 2.8   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 1345578 | Soil                             | 26    | 35    | 0.56  | 213   | 0.068 | 1     | 1.62  | 0.015 | 0.08  | 0.1   | 0.04  | 4.4   | 0.1   | 0.08  | 6     | <0.5  | <0.2  |
| 1345588 | Soil                             | 33    | 23    | 0.29  | 130   | 0.070 | <1    | 1.64  | 0.011 | 0.04  | 0.3   | 0.02  | 2.9   | <0.1  | <0.05 | 8     | <0.5  | <0.2  |
| 1345596 | Soil                             | 25    | 44    | 0.51  | 151   | 0.093 | <1    | 2.65  | 0.010 | 0.06  | 0.1   | 0.02  | 4.8   | 0.1   | <0.05 | 9     | <0.5  | <0.2  |
| 1345599 | Soil                             | 16    | 35    | 0.59  | 216   | 0.082 | 1     | 1.83  | 0.017 | 0.06  | 0.2   | 0.03  | 4.6   | <0.1  | 0.06  | 7     | <0.5  | <0.2  |
| 1345581 | Soil                             | 15    | 28    | 0.52  | 247   | 0.085 | <1    | 1.51  | 0.026 | 0.05  | 0.3   | 0.03  | 3.8   | <0.1  | 0.05  | 4     | <0.5  | <0.2  |
| 1334255 | Soil                             | 20    | 71    | 1.39  | 2153  | 0.110 | 2     | 2.34  | 0.017 | 0.06  | 0.1   | 0.04  | 6.5   | <0.1  | <0.05 | 7     | 1.3   | <0.2  |
| 1345604 | Soil                             | 15    | 37    | 0.57  | 245   | 0.066 | 2     | 1.99  | 0.014 | 0.05  | 0.2   | 0.04  | 4.2   | 0.1   | <0.05 | 7     | 0.6   | <0.2  |
| 1345602 | Soil                             | 21    | 38    | 0.64  | 355   | 0.086 | <1    | 2.02  | 0.017 | 0.07  | 0.2   | 0.05  | 4.6   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 1345594 | Soil                             | 13    | 43    | 0.56  | 153   | 0.088 | 1     | 2.42  | 0.011 | 0.06  | 0.2   | 0.02  | 4.2   | 0.1   | <0.05 | 9     | 0.5   | <0.2  |
| 1334258 | Soil                             | 24    | 55    | 0.82  | 232   | 0.090 | <1    | 2.04  | 0.013 | 0.12  | 0.1   | 0.03  | 4.3   | 0.1   | <0.05 | 6     | 1.1   | <0.2  |
| 1334254 | Soil                             | 20    | 71    | 1.22  | 1285  | 0.118 | 1     | 2.07  | 0.024 | 0.10  | 0.1   | 0.03  | 6.9   | <0.1  | <0.05 | 6     | 1.0   | <0.2  |

# CERTIFICATE OF ANALYSIS

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|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|         |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|         |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 1345601 | Rock Pulp                        | 1.2   | 465.3 | 22.6  | 172   | 0.2   | 217.5 | 79.7  | 857   | 15.79 | 3.0   | 1.3   | 37.1  | 7.6   | 17    | 0.1   | 0.4   | 0.2   | 238   | 0.29  |
| 1345606 | Soil                             | 0.7   | 20.0  | 13.5  | 89    | 0.1   | 27.1  | 14.3  | 833   | 2.61  | 6.3   | 1.9   | 3.0   | 5.4   | 45    | 0.2   | 0.4   | 0.2   | 65    | 0.84  |
| 1334259 | Soil                             | 0.4   | 41.3  | 56.4  | 143   | 0.1   | 36.5  | 14.8  | 479   | 3.72  | 8.3   | 1.1   | 3.6   | 8.0   | 29    | 0.2   | 0.3   | 0.3   | 59    | 0.58  |
| 1334253 | Soil                             | 3.1   | 46.4  | 9.5   | 152   | <0.1  | 46.2  | 8.7   | 305   | 3.20  | 25.4  | 1.4   | 1.9   | 4.6   | 26    | 0.6   | 0.6   | 0.2   | 121   | 0.33  |
| 1345607 | Soil                             | 1.0   | 20.8  | 7.8   | 70    | 0.1   | 21.3  | 10.1  | 321   | 2.54  | 6.1   | 0.9   | 4.0   | 3.4   | 37    | 0.1   | 0.3   | 0.1   | 70    | 0.68  |
| 1345603 | Soil                             | 0.7   | 30.6  | 22.9  | 100   | 0.2   | 23.8  | 10.6  | 341   | 2.67  | 5.8   | 1.3   | 6.8   | 8.0   | 48    | 0.5   | 0.4   | 0.2   | 64    | 0.59  |
| 1334257 | Soil                             | 3.5   | 82.1  | 10.7  | 282   | 0.6   | 102.7 | 14.0  | 281   | 3.82  | 23.0  | 1.9   | 5.2   | 4.9   | 38    | 0.8   | 0.5   | 0.1   | 166   | 0.52  |
| 1334256 | Soil                             | 1.2   | 46.6  | 8.3   | 107   | 0.2   | 60.1  | 15.1  | 631   | 3.12  | 9.5   | 2.4   | 5.1   | 3.2   | 55    | 0.6   | 0.4   | <0.1  | 86    | 1.44  |
| 1345605 | Soil                             | 0.6   | 10.7  | 13.7  | 68    | <0.1  | 16.9  | 6.1   | 177   | 1.88  | 4.9   | 1.0   | 1.4   | 3.2   | 29    | 0.1   | 0.3   | 0.2   | 45    | 0.32  |
| 1345600 | Soil                             | 1.2   | 20.9  | 15.1  | 73    | 0.2   | 21.5  | 8.8   | 212   | 2.73  | 7.3   | 1.1   | 4.1   | 3.8   | 33    | 0.3   | 0.4   | 0.2   | 77    | 0.30  |
| 1389924 | Soil                             | 0.8   | 27.3  | 10.8  | 64    | 0.1   | 24.5  | 10.6  | 445   | 2.52  | 8.6   | 1.1   | 2.9   | 4.6   | 41    | 0.2   | 0.5   | 0.1   | 61    | 0.81  |
| 1389917 | Soil                             | 2.0   | 39.6  | 18.6  | 139   | 0.3   | 41.8  | 12.5  | 456   | 2.86  | 19.9  | 2.8   | 2.8   | 4.8   | 45    | 0.4   | 0.4   | 0.2   | 79    | 0.94  |
| 1389925 | Soil                             | 0.7   | 26.0  | 11.8  | 63    | <0.1  | 23.7  | 10.1  | 343   | 2.58  | 9.4   | 1.1   | 4.2   | 4.6   | 41    | 0.2   | 0.5   | 0.2   | 67    | 0.82  |
| 1389914 | Soil                             | 2.0   | 24.3  | 17.5  | 136   | 0.2   | 25.5  | 10.1  | 288   | 2.52  | 18.5  | 0.8   | 6.0   | 3.0   | 21    | 0.2   | 0.3   | 0.2   | 91    | 0.33  |
| 1389923 | Soil                             | 0.6   | 73.0  | 126.2 | 269   | <0.1  | 21.3  | 7.9   | 326   | 2.93  | 12.5  | 2.3   | 3.6   | 24.0  | 22    | 0.3   | 0.3   | 0.8   | 35    | 0.47  |
| 1389919 | Soil                             | 0.5   | 26.4  | 10.9  | 81    | <0.1  | 31.9  | 16.0  | 401   | 4.27  | 11.9  | 0.6   | 3.1   | 8.6   | 19    | <0.1  | 0.5   | 0.2   | 99    | 0.21  |
| 1389922 | Soil                             | 0.4   | 27.9  | 9.7   | 85    | 0.1   | 37.6  | 14.3  | 588   | 4.48  | 5.9   | 1.4   | 0.8   | 14.4  | 22    | 0.1   | 0.2   | 0.2   | 59    | 0.63  |
| 1389916 | Soil                             | 1.8   | 22.5  | 18.1  | 133   | 0.1   | 30.4  | 11.6  | 410   | 2.89  | 18.5  | 1.1   | 2.6   | 4.2   | 29    | 0.3   | 0.4   | 0.2   | 83    | 0.32  |
| 1389912 | Soil                             | 0.7   | 56.7  | 8.8   | 139   | 0.3   | 17.2  | 13.6  | 381   | 3.85  | 3.8   | 0.7   | 6.1   | 2.2   | 21    | 0.3   | 0.2   | <0.1  | 143   | 0.34  |
| 1389907 | Soil                             | 0.7   | 49.5  | 5.4   | 88    | 0.2   | 21.1  | 16.8  | 437   | 3.94  | 4.2   | 0.5   | 3.3   | 1.6   | 16    | 0.2   | 0.2   | <0.1  | 143   | 0.37  |
| 1389918 | Soil                             | 0.9   | 15.9  | 13.7  | 48    | <0.1  | 15.6  | 6.5   | 154   | 2.26  | 11.9  | 0.8   | 2.1   | 6.5   | 10    | <0.1  | 0.2   | 0.3   | 65    | 0.13  |
| 1389921 | Soil                             | 0.5   | 24.1  | 16.7  | 68    | 0.2   | 34.8  | 10.4  | 372   | 3.37  | 9.0   | 1.3   | 3.8   | 14.8  | 21    | <0.1  | 0.3   | 0.2   | 54    | 0.37  |
| 1389913 | Soil                             | 0.7   | 39.2  | 10.8  | 101   | 0.1   | 21.3  | 11.7  | 370   | 2.81  | 8.1   | 0.8   | 3.3   | 2.7   | 25    | 0.5   | 0.4   | 0.1   | 86    | 0.37  |
| 1334252 | Soil                             | 0.5   | 33.1  | 15.5  | 93    | <0.1  | 28.7  | 10.8  | 374   | 3.37  | 8.8   | 1.0   | 2.6   | 11.5  | 25    | 0.3   | 0.3   | 0.1   | 56    | 0.59  |
| 1389915 | Soil                             | 1.7   | 18.1  | 14.7  | 118   | 0.3   | 29.7  | 8.5   | 237   | 2.54  | 20.5  | 0.9   | 3.0   | 4.1   | 28    | 0.2   | 0.2   | 0.2   | 79    | 0.48  |
| 1389920 | Soil                             | 0.5   | 27.2  | 7.7   | 65    | <0.1  | 31.4  | 13.6  | 336   | 4.02  | 10.6  | 0.9   | 3.1   | 11.1  | 19    | <0.1  | 0.4   | 0.1   | 80    | 0.22  |
| 1345799 | Soil                             | 1.3   | 31.6  | 5.1   | 133   | <0.1  | 15.3  | 15.5  | 464   | 3.78  | 5.5   | 1.3   | 3.3   | 3.8   | 28    | 0.1   | 0.3   | <0.1  | 96    | 0.49  |
| 1389902 | Soil                             | 0.5   | 24.7  | 6.7   | 81    | 0.1   | 21.8  | 10.1  | 355   | 2.87  | 6.6   | 0.7   | 5.1   | 2.8   | 26    | <0.1  | 0.3   | 0.1   | 89    | 0.38  |
| 1389905 | Soil                             | 0.6   | 26.6  | 8.2   | 66    | 0.1   | 22.8  | 10.8  | 413   | 2.61  | 9.1   | 0.8   | 3.3   | 2.7   | 43    | 0.3   | 0.4   | 0.1   | 74    | 0.69  |
| 1389906 | Soil                             | 0.8   | 37.6  | 6.7   | 91    | 0.4   | 17.2  | 11.6  | 265   | 3.22  | 4.4   | 0.8   | 6.6   | 1.4   | 22    | 0.5   | 0.3   | <0.1  | 122   | 0.33  |

# CERTIFICATE OF ANALYSIS

WHI14000101.1

|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    |
|         |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|         |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 1345601 | Rock Pulp                        | 20    | 670   | 0.15  | 141   | 0.240 | 6     | 4.31  | 0.014 | 0.07  | <0.1  | 0.04  | 39.8  | <0.1  | <0.05 | 20    | 0.8   |
| 1345606 | Soil                             | 24    | 49    | 0.77  | 238   | 0.076 | 1     | 1.66  | 0.019 | 0.07  | 0.2   | 0.05  | 4.6   | <0.1  | <0.05 | 6     | <0.5  |
| 1334259 | Soil                             | 22    | 44    | 0.98  | 234   | 0.189 | 1     | 2.08  | 0.021 | 0.38  | 0.1   | 0.03  | 5.0   | 0.3   | <0.05 | 7     | <0.5  |
| 1334253 | Soil                             | 14    | 52    | 0.90  | 524   | 0.081 | <1    | 1.80  | 0.010 | 0.10  | 0.1   | 0.02  | 3.3   | 0.1   | <0.05 | 7     | 0.9   |
| 1345607 | Soil                             | 15    | 36    | 0.76  | 234   | 0.102 | 1     | 1.59  | 0.024 | 0.07  | 0.2   | 0.03  | 3.9   | <0.1  | <0.05 | 5     | <0.5  |
| 1345603 | Soil                             | 28    | 38    | 0.74  | 381   | 0.111 | <1    | 1.86  | 0.019 | 0.12  | 0.2   | 0.05  | 5.1   | 0.1   | <0.05 | 6     | <0.5  |
| 1334257 | Soil                             | 19    | 96    | 1.27  | 597   | 0.127 | <1    | 2.34  | 0.017 | 0.11  | 0.1   | 0.06  | 7.3   | 0.2   | <0.05 | 7     | 1.3   |
| 1334256 | Soil                             | 20    | 81    | 1.28  | 1067  | 0.125 | 1     | 2.04  | 0.018 | 0.22  | <0.1  | 0.05  | 6.0   | 0.1   | <0.05 | 6     | 1.4   |
| 1345605 | Soil                             | 14    | 32    | 0.53  | 163   | 0.086 | 2     | 1.53  | 0.015 | 0.06  | 0.2   | 0.03  | 3.2   | 0.1   | <0.05 | 7     | <0.5  |
| 1345600 | Soil                             | 19    | 35    | 0.59  | 267   | 0.079 | 1     | 2.31  | 0.018 | 0.07  | 0.1   | 0.04  | 4.7   | 0.1   | <0.05 | 8     | <0.5  |
| 1389924 | Soil                             | 20    | 31    | 0.58  | 266   | 0.091 | 1     | 1.69  | 0.028 | 0.07  | 0.2   | 0.04  | 4.4   | <0.1  | <0.05 | 5     | <0.5  |
| 1389917 | Soil                             | 24    | 44    | 0.82  | 196   | 0.079 | 1     | 1.74  | 0.017 | 0.09  | 0.1   | 0.04  | 3.8   | 0.2   | <0.05 | 6     | 0.6   |
| 1389925 | Soil                             | 18    | 31    | 0.60  | 272   | 0.095 | 2     | 1.66  | 0.032 | 0.07  | 0.2   | 0.04  | 4.4   | <0.1  | <0.05 | 5     | <0.5  |
| 1389914 | Soil                             | 17    | 40    | 0.78  | 202   | 0.076 | 1     | 1.59  | 0.014 | 0.05  | 0.1   | 0.04  | 3.3   | 0.1   | <0.05 | 7     | 1.4   |
| 1389923 | Soil                             | 55    | 26    | 0.60  | 145   | 0.093 | 2     | 1.61  | 0.009 | 0.26  | <0.1  | 0.02  | 3.2   | 0.2   | <0.05 | 5     | 0.5   |
| 1389919 | Soil                             | 28    | 131   | 1.47  | 278   | 0.156 | 1     | 3.10  | 0.010 | 0.24  | <0.1  | 0.02  | 7.8   | 0.2   | <0.05 | 10    | <0.5  |
| 1389922 | Soil                             | 36    | 57    | 1.26  | 206   | 0.246 | 1     | 2.32  | 0.008 | 0.79  | 0.1   | 0.01  | 5.2   | 0.5   | <0.05 | 8     | <0.5  |
| 1389916 | Soil                             | 16    | 38    | 0.77  | 165   | 0.078 | 2     | 1.82  | 0.016 | 0.08  | 0.1   | 0.03  | 3.7   | 0.1   | <0.05 | 8     | <0.5  |
| 1389912 | Soil                             | 9     | 41    | 1.66  | 558   | 0.199 | 1     | 2.57  | 0.018 | 0.46  | <0.1  | 0.04  | 7.9   | 0.2   | <0.05 | 9     | <0.5  |
| 1389907 | Soil                             | 9     | 42    | 1.56  | 414   | 0.218 | 1     | 2.39  | 0.023 | 0.48  | <0.1  | 0.02  | 6.1   | 0.1   | <0.05 | 10    | <0.5  |
| 1389918 | Soil                             | 22    | 19    | 0.40  | 79    | 0.092 | <1    | 1.22  | 0.008 | 0.12  | <0.1  | 0.02  | 2.0   | 0.1   | <0.05 | 8     | <0.5  |
| 1389921 | Soil                             | 30    | 42    | 0.74  | 254   | 0.111 | <1    | 2.07  | 0.012 | 0.14  | <0.1  | 0.04  | 7.2   | 0.1   | <0.05 | 6     | <0.5  |
| 1389913 | Soil                             | 12    | 39    | 0.87  | 309   | 0.103 | 1     | 1.87  | 0.016 | 0.11  | 0.2   | 0.05  | 5.2   | <0.1  | <0.05 | 6     | <0.5  |
| 1334252 | Soil                             | 25    | 40    | 0.88  | 405   | 0.152 | <1    | 1.73  | 0.010 | 0.37  | 0.1   | 0.01  | 3.6   | 0.2   | <0.05 | 7     | <0.5  |
| 1389915 | Soil                             | 19    | 47    | 0.87  | 152   | 0.074 | 1     | 1.70  | 0.013 | 0.07  | 0.1   | 0.04  | 3.5   | 0.1   | <0.05 | 7     | <0.5  |
| 1389920 | Soil                             | 54    | 77    | 1.31  | 248   | 0.158 | 1     | 2.74  | 0.010 | 0.35  | 0.1   | 0.02  | 5.2   | 0.2   | <0.05 | 8     | <0.5  |
| 1345799 | Soil                             | 10    | 34    | 1.26  | 339   | 0.241 | <1    | 2.34  | 0.020 | 0.40  | 0.1   | 0.01  | 5.3   | 0.1   | <0.05 | 8     | <0.5  |
| 1389902 | Soil                             | 11    | 38    | 1.01  | 276   | 0.109 | <1    | 1.88  | 0.019 | 0.13  | 0.1   | 0.03  | 6.0   | <0.1  | <0.05 | 6     | <0.5  |
| 1389905 | Soil                             | 13    | 30    | 0.69  | 298   | 0.083 | 1     | 1.62  | 0.028 | 0.08  | 0.1   | 0.04  | 5.1   | <0.1  | <0.05 | 5     | 0.8   |
| 1389906 | Soil                             | 11    | 34    | 1.26  | 416   | 0.184 | 1     | 2.15  | 0.021 | 0.25  | 0.1   | 0.07  | 6.2   | 0.1   | <0.05 | 10    | <0.5  |

# CERTIFICATE OF ANALYSIS

WHI14000101.1

|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|         |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|         |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 1345798 | Soil                             | 1.2   | 49.7  | 9.4   | 93    | 0.1   | 23.1  | 13.6  | 492   | 3.12  | 7.1   | 3.9   | 0.6   | 3.9   | 43    | 0.2   | 0.5   | 0.1   | 84    | 1.01  | 0.041 |
| 1345794 | Soil                             | 0.5   | 33.0  | 7.4   | 66    | 0.1   | 26.5  | 11.5  | 535   | 3.00  | 6.8   | 0.7   | 1.8   | 3.6   | 40    | 0.1   | 0.6   | 0.1   | 73    | 0.60  | 0.026 |
| 1389910 | Soil                             | 1.0   | 44.8  | 7.2   | 92    | 0.4   | 22.3  | 18.5  | 492   | 4.35  | 3.1   | 0.9   | 2.9   | 1.3   | 20    | 0.1   | 0.2   | 0.1   | 127   | 0.33  | 0.096 |
| 1389908 | Soil                             | 0.9   | 52.9  | 6.0   | 101   | 0.1   | 21.8  | 17.5  | 443   | 4.70  | 4.7   | 0.6   | 0.9   | 2.3   | 14    | 0.2   | 0.3   | <0.1  | 148   | 0.23  | 0.029 |
| 1345797 | Soil                             | 0.7   | 44.1  | 8.9   | 79    | 0.1   | 22.5  | 10.7  | 437   | 2.69  | 8.0   | 2.0   | 1.3   | 2.1   | 61    | 0.2   | 0.6   | 0.1   | 57    | 1.37  | 0.060 |
| 1345795 | Soil                             | 1.0   | 30.6  | 6.1   | 111   | <0.1  | 16.7  | 10.9  | 391   | 3.09  | 5.1   | 0.5   | 0.9   | 2.9   | 28    | <0.1  | 0.4   | 0.1   | 82    | 0.34  | 0.020 |
| 1389903 | Soil                             | 0.8   | 32.0  | 10.2  | 74    | 0.2   | 26.7  | 11.3  | 468   | 2.80  | 6.4   | 1.0   | 2.0   | 3.2   | 36    | 0.2   | 0.7   | 0.1   | 74    | 0.51  | 0.060 |
| 1389904 | Soil                             | 0.8   | 30.5  | 9.7   | 75    | 0.1   | 26.3  | 13.0  | 709   | 2.85  | 7.9   | 0.9   | 3.4   | 2.9   | 39    | 0.2   | 0.5   | 0.2   | 73    | 0.59  | 0.065 |
| 1345782 | Soil                             | 0.5   | 37.2  | 8.9   | 62    | <0.1  | 26.4  | 12.0  | 428   | 3.41  | 6.2   | 0.6   | 11.6  | 3.2   | 28    | <0.1  | 0.5   | 0.1   | 92    | 0.43  | 0.047 |
| 1345796 | Soil                             | 0.9   | 28.5  | 6.7   | 70    | 0.1   | 17.0  | 11.9  | 864   | 3.26  | 5.2   | 1.1   | 1.0   | 3.9   | 47    | 0.2   | 0.3   | 0.1   | 57    | 0.69  | 0.059 |
| 1389909 | Soil                             | 0.5   | 44.5  | 3.6   | 104   | <0.1  | 26.7  | 22.2  | 567   | 4.59  | 4.2   | 0.3   | <0.5  | 1.3   | 13    | <0.1  | 0.3   | <0.1  | 147   | 0.28  | 0.052 |
| 1389911 | Soil                             | 0.8   | 35.5  | 7.1   | 126   | <0.1  | 21.0  | 16.1  | 383   | 4.92  | 4.1   | 0.6   | 1.9   | 2.3   | 18    | <0.1  | 0.3   | <0.1  | 167   | 0.28  | 0.039 |
| 1345772 | Soil                             | 1.8   | 6.5   | 5.8   | 52    | <0.1  | 12.8  | 8.1   | 638   | 3.06  | 2.8   | 0.8   | <0.5  | 5.1   | 14    | <0.1  | 0.3   | 0.1   | 56    | 0.17  | 0.028 |
| 1345784 | Soil                             | 0.5   | 69.3  | 3.2   | 95    | <0.1  | 17.5  | 21.0  | 1131  | 6.44  | 4.3   | 0.5   | 0.5   | 2.0   | 18    | 0.1   | 0.2   | <0.1  | 217   | 0.67  | 0.228 |
| 1345786 | Soil                             | 0.7   | 27.6  | 7.3   | 91    | <0.1  | 10.9  | 10.1  | 308   | 2.83  | 5.7   | 0.3   | 1.5   | 1.4   | 27    | <0.1  | 0.3   | <0.1  | 82    | 0.19  | 0.018 |
| 1345792 | Soil                             | 1.0   | 24.5  | 7.8   | 73    | <0.1  | 13.1  | 18.6  | 774   | 3.21  | 6.2   | 0.5   | 4.6   | 1.4   | 21    | 0.1   | 0.3   | 0.1   | 123   | 0.28  | 0.042 |
| 1345771 | Soil                             | 1.4   | 16.7  | 8.0   | 49    | 0.2   | 13.3  | 7.3   | 819   | 1.96  | 2.0   | 2.0   | <0.5  | 1.4   | 64    | 0.3   | 0.3   | 0.1   | 53    | 1.16  | 0.052 |
| 1345770 | Soil                             | 1.1   | 13.2  | 9.2   | 50    | <0.1  | 10.6  | 7.9   | 355   | 2.75  | 5.6   | 0.7   | 2.9   | 4.7   | 19    | 0.1   | 0.2   | 0.1   | 56    | 0.30  | 0.048 |
| 1345787 | Soil                             | 2.1   | 71.6  | 10.4  | 110   | <0.1  | 14.8  | 20.7  | 597   | 5.39  | 6.2   | 0.3   | <0.5  | 1.1   | 49    | <0.1  | 0.2   | 0.2   | 120   | 0.47  | 0.061 |
| 1345793 | Soil                             | 0.5   | 22.1  | 7.1   | 64    | 0.1   | 12.9  | 7.5   | 183   | 2.36  | 4.4   | 0.5   | 3.6   | 1.3   | 25    | 0.2   | 0.2   | 0.1   | 62    | 0.30  | 0.056 |
| 1345774 | Soil                             | 1.1   | 13.9  | 12.5  | 59    | 0.2   | 20.1  | 12.2  | 721   | 3.34  | 7.2   | 0.4   | <0.5  | 3.3   | 15    | <0.1  | 0.4   | 0.1   | 78    | 0.16  | 0.052 |
| 1345783 | Soil                             | 0.4   | 33.4  | 2.4   | 84    | <0.1  | 11.4  | 16.1  | 561   | 5.02  | <0.5  | 0.2   | 1.6   | 1.0   | 15    | <0.1  | <0.1  | <0.1  | 145   | 0.54  | 0.147 |
| 1345788 | Soil                             | 0.6   | 108.5 | 5.7   | 75    | 0.4   | 15.1  | 18.9  | 662   | 4.08  | 5.4   | 1.4   | 1.1   | 2.0   | 45    | <0.1  | 0.2   | 0.1   | 128   | 0.63  | 0.059 |
| 1345791 | Soil                             | 0.4   | 23.1  | 6.7   | 67    | <0.1  | 13.9  | 9.0   | 212   | 2.67  | 6.7   | 0.5   | 4.0   | 1.2   | 25    | <0.1  | 0.3   | 0.1   | 73    | 0.38  | 0.045 |
| 1345773 | Soil                             | 2.0   | 19.0  | 19.9  | 39    | <0.1  | 11.1  | 8.7   | 415   | 3.37  | 5.6   | 0.8   | 0.9   | 5.4   | 11    | <0.1  | 0.4   | 0.2   | 48    | 0.20  | 0.063 |
| 1345785 | Soil                             | 1.0   | 19.6  | 14.3  | 93    | 0.3   | 32.6  | 16.6  | 826   | 3.85  | 9.1   | 0.3   | <0.5  | 1.7   | 16    | 0.5   | 0.4   | 0.1   | 109   | 0.20  | 0.041 |
| 1345789 | Soil                             | 0.7   | 40.2  | 7.9   | 91    | 0.2   | 14.6  | 13.4  | 390   | 3.69  | 6.0   | 0.6   | 1.9   | 2.5   | 29    | <0.1  | 0.3   | 0.1   | 102   | 0.45  | 0.056 |
| 1345790 | Soil                             | 0.8   | 25.7  | 7.8   | 66    | 0.2   | 12.6  | 9.4   | 339   | 2.46  | 6.9   | 0.6   | 3.3   | 1.0   | 38    | 0.2   | 0.2   | 0.1   | 77    | 0.55  | 0.063 |
| 1345526 | Soil                             | 0.9   | 32.1  | 8.5   | 86    | 0.1   | 26.6  | 13.3  | 473   | 3.67  | 8.3   | 1.3   | 0.6   | 5.2   | 33    | <0.1  | 0.3   | 0.2   | 97    | 0.58  | 0.056 |
| 1345523 | Soil                             | 1.1   | 32.2  | 8.4   | 70    | 0.2   | 18.8  | 12.5  | 363   | 2.96  | 10.0  | 0.9   | 4.0   | 3.6   | 31    | 0.2   | 0.3   | <0.1  | 85    | 0.46  | 0.059 |

# CERTIFICATE OF ANALYSIS

WHI14000101.1

|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    |
|         |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|         |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 1345798 | Soil                             | 15    | 31    | 0.83  | 357   | 0.156 | 6     | 1.82  | 0.023 | 0.24  | 0.2   | 0.06  | 5.7   | <0.1  | 0.06  | 6     | <0.5  |
| 1345794 | Soil                             | 13    | 34    | 0.74  | 285   | 0.115 | 2     | 1.80  | 0.033 | 0.10  | 0.2   | 0.03  | 5.4   | <0.1  | <0.05 | 6     | <0.5  |
| 1389910 | Soil                             | 10    | 44    | 1.38  | 415   | 0.201 | 3     | 2.93  | 0.015 | 0.22  | 0.1   | 0.06  | 6.5   | 0.2   | <0.05 | 9     | <0.5  |
| 1389908 | Soil                             | 11    | 35    | 1.39  | 273   | 0.224 | 2     | 2.61  | 0.021 | 0.35  | <0.1  | 0.01  | 5.9   | 0.1   | <0.05 | 9     | 0.6   |
| 1345797 | Soil                             | 11    | 28    | 0.69  | 328   | 0.103 | 6     | 1.65  | 0.025 | 0.16  | <0.1  | 0.05  | 4.8   | <0.1  | 0.12  | 5     | 0.7   |
| 1345795 | Soil                             | 12    | 31    | 0.93  | 222   | 0.136 | 2     | 1.89  | 0.013 | 0.12  | 0.1   | 0.03  | 5.6   | <0.1  | <0.05 | 6     | <0.5  |
| 1389903 | Soil                             | 14    | 41    | 0.76  | 331   | 0.081 | 4     | 1.78  | 0.023 | 0.07  | 0.2   | 0.04  | 6.0   | <0.1  | <0.05 | 5     | <0.5  |
| 1389904 | Soil                             | 13    | 39    | 0.74  | 314   | 0.074 | 3     | 1.72  | 0.024 | 0.07  | 0.2   | 0.05  | 5.7   | <0.1  | <0.05 | 5     | <0.5  |
| 1345782 | Soil                             | 12    | 41    | 0.96  | 327   | 0.145 | 4     | 1.98  | 0.026 | 0.17  | 0.2   | 0.04  | 7.6   | <0.1  | <0.05 | 6     | <0.5  |
| 1345796 | Soil                             | 15    | 28    | 0.76  | 258   | 0.116 | 3     | 1.82  | 0.020 | 0.13  | 0.1   | 0.04  | 5.7   | <0.1  | <0.05 | 7     | <0.5  |
| 1389909 | Soil                             | 5     | 68    | 2.02  | 482   | 0.270 | <1    | 2.71  | 0.016 | 0.65  | 0.1   | 0.02  | 4.8   | 0.2   | <0.05 | 8     | <0.5  |
| 1389911 | Soil                             | 10    | 42    | 1.97  | 591   | 0.247 | 1     | 3.15  | 0.018 | 0.53  | <0.1  | 0.01  | 9.4   | 0.2   | <0.05 | 10    | <0.5  |
| 1345772 | Soil                             | 13    | 21    | 1.09  | 56    | 0.037 | <1    | 2.14  | 0.009 | 0.05  | <0.1  | 0.01  | 5.3   | <0.1  | <0.05 | 11    | <0.5  |
| 1345784 | Soil                             | 11    | 27    | 1.68  | 366   | 0.226 | 2     | 2.85  | 0.010 | 0.90  | <0.1  | <0.01 | 15.3  | 0.2   | <0.05 | 12    | <0.5  |
| 1345786 | Soil                             | 4     | 18    | 0.91  | 122   | 0.099 | <1    | 2.02  | 0.012 | 0.06  | <0.1  | 0.02  | 4.1   | <0.1  | <0.05 | 7     | <0.5  |
| 1345792 | Soil                             | 7     | 24    | 0.87  | 193   | 0.157 | 2     | 1.75  | 0.015 | 0.11  | 0.1   | 0.03  | 4.5   | <0.1  | <0.05 | 8     | <0.5  |
| 1345771 | Soil                             | 10    | 18    | 0.46  | 221   | 0.049 | 2     | 1.23  | 0.017 | 0.08  | <0.1  | 0.04  | 3.0   | <0.1  | 0.05  | 5     | <0.5  |
| 1345770 | Soil                             | 12    | 20    | 0.53  | 124   | 0.075 | <1    | 1.46  | 0.012 | 0.09  | 0.1   | 0.02  | 4.7   | <0.1  | <0.05 | 7     | <0.5  |
| 1345787 | Soil                             | 3     | 32    | 1.85  | 214   | 0.144 | 1     | 3.48  | 0.009 | 0.39  | <0.1  | 0.02  | 4.8   | 0.2   | <0.05 | 9     | <0.5  |
| 1345793 | Soil                             | 8     | 22    | 0.70  | 174   | 0.105 | 2     | 1.67  | 0.015 | 0.08  | <0.1  | 0.05  | 4.1   | <0.1  | 0.06  | 6     | 0.5   |
| 1345774 | Soil                             | 11    | 32    | 0.68  | 184   | 0.079 | 2     | 2.14  | 0.010 | 0.11  | 0.1   | 0.03  | 5.0   | <0.1  | <0.05 | 8     | <0.5  |
| 1345783 | Soil                             | 6     | 17    | 1.56  | 495   | 0.351 | <1    | 2.41  | 0.017 | 1.21  | <0.1  | 0.01  | 8.5   | 0.3   | <0.05 | 11    | <0.5  |
| 1345788 | Soil                             | 10    | 26    | 1.38  | 303   | 0.133 | <1    | 2.68  | 0.020 | 0.28  | 0.1   | 0.06  | 11.7  | 0.1   | <0.05 | 8     | 0.9   |
| 1345791 | Soil                             | 7     | 23    | 0.91  | 181   | 0.134 | 3     | 1.86  | 0.015 | 0.09  | 0.1   | 0.04  | 4.9   | <0.1  | 0.06  | 7     | <0.5  |
| 1345773 | Soil                             | 20    | 20    | 0.75  | 71    | 0.059 | 1     | 1.75  | 0.009 | 0.12  | <0.1  | <0.01 | 7.3   | <0.1  | <0.05 | 9     | <0.5  |
| 1345785 | Soil                             | 6     | 63    | 1.33  | 211   | 0.089 | 1     | 2.66  | 0.013 | 0.06  | 0.2   | 0.02  | 7.5   | <0.1  | <0.05 | 10    | <0.5  |
| 1345789 | Soil                             | 9     | 26    | 1.29  | 165   | 0.082 | <1    | 2.50  | 0.016 | 0.07  | <0.1  | 0.04  | 7.8   | <0.1  | <0.05 | 10    | 1.2   |
| 1345790 | Soil                             | 7     | 23    | 0.73  | 214   | 0.064 | 1     | 1.69  | 0.017 | 0.06  | 0.1   | 0.05  | 4.9   | <0.1  | 0.05  | 7     | <0.5  |
| 1345526 | Soil                             | 22    | 43    | 1.07  | 295   | 0.146 | 1     | 2.14  | 0.017 | 0.24  | 0.1   | 0.03  | 6.7   | 0.2   | <0.05 | 8     | <0.5  |
| 1345523 | Soil                             | 13    | 29    | 0.81  | 409   | 0.107 | 2     | 1.67  | 0.016 | 0.13  | 0.5   | 0.04  | 5.1   | 0.1   | <0.05 | 7     | <0.5  |

# CERTIFICATE OF ANALYSIS

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|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|         |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|         |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 1345776 | Soil                             | 0.9   | 8.2   | 7.5   | 40    | <0.1  | 10.0  | 5.5   | 256   | 1.98  | 6.0   | 0.3   | 0.8   | 3.5   | 12    | <0.1  | 0.3   | 0.2   | 41    | 0.13  | 0.019 |
| 1345778 | Soil                             | 0.6   | 17.3  | 6.9   | 83    | <0.1  | 13.2  | 15.9  | 899   | 5.76  | 5.8   | 0.9   | 2.5   | 3.9   | 14    | <0.1  | 0.2   | <0.1  | 70    | 0.34  | 0.107 |
| 1345527 | Soil                             | 1.8   | 41.5  | 13.7  | 89    | 0.3   | 28.9  | 16.5  | 533   | 3.80  | 18.5  | 1.5   | 0.9   | 5.3   | 32    | 0.2   | 0.3   | 0.1   | 106   | 0.59  | 0.062 |
| 1345522 | Soil                             | 1.0   | 35.1  | 7.0   | 82    | 0.2   | 22.1  | 12.0  | 304   | 3.51  | 20.3  | 0.7   | 1.3   | 2.8   | 26    | 0.3   | 0.5   | 0.1   | 108   | 0.44  | 0.061 |
| 1345775 | Soil                             | 1.0   | 14.8  | 10.9  | 58    | 0.2   | 19.0  | 13.5  | 1024  | 3.14  | 3.9   | 0.4   | <0.5  | 3.1   | 16    | 0.1   | 0.5   | 0.1   | 65    | 0.16  | 0.057 |
| 1345780 | Soil                             | 0.7   | 52.1  | 5.0   | 113   | <0.1  | 23.9  | 21.9  | 1060  | 5.69  | 4.7   | 0.6   | <0.5  | 1.7   | 33    | <0.1  | 0.4   | <0.1  | 115   | 0.72  | 0.165 |
| 1345529 | Soil                             | 2.4   | 68.5  | 10.4  | 104   | 0.1   | 54.3  | 23.8  | 711   | 3.69  | 28.5  | 1.8   | <0.5  | 5.0   | 31    | 0.3   | 0.6   | 0.2   | 101   | 0.63  | 0.075 |
| 1345524 | Soil                             | 1.6   | 59.0  | 10.1  | 96    | 0.1   | 33.1  | 14.7  | 464   | 3.45  | 11.5  | 1.3   | 1.4   | 4.5   | 43    | 0.3   | 0.5   | 0.1   | 94    | 0.74  | 0.065 |
| 1345777 | Soil                             | 0.7   | 17.9  | 25.4  | 94    | <0.1  | 11.8  | 6.5   | 447   | 3.59  | 6.3   | 0.8   | <0.5  | 4.9   | 13    | 0.1   | 0.3   | 0.3   | 58    | 0.17  | 0.024 |
| 1345781 | Soil                             | 0.3   | 49.6  | 1.5   | 87    | <0.1  | 58.1  | 22.3  | 592   | 4.13  | 0.8   | 0.2   | 1.0   | 0.4   | 28    | <0.1  | 0.1   | <0.1  | 96    | 0.75  | 0.224 |
| 1345530 | Soil                             | 1.7   | 62.2  | 9.0   | 110   | 0.4   | 124.5 | 26.3  | 580   | 4.25  | 63.9  | 1.0   | <0.5  | 2.9   | 60    | 0.5   | 0.8   | 0.1   | 118   | 1.92  | 0.160 |
| 1345528 | Soil                             | 1.4   | 34.0  | 11.3  | 90    | 0.1   | 32.8  | 14.2  | 396   | 3.47  | 13.1  | 1.4   | 1.5   | 10.5  | 21    | 0.3   | 0.3   | 0.2   | 56    | 0.42  | 0.051 |
| 1345525 | Soil                             | 1.1   | 59.3  | 9.9   | 99    | 0.2   | 31.9  | 15.5  | 496   | 3.50  | 11.7  | 1.3   | <0.5  | 4.5   | 43    | 0.3   | 0.5   | 0.1   | 100   | 0.79  | 0.061 |
| 1345779 | Soil                             | 0.8   | 29.9  | 4.5   | 103   | <0.1  | 25.5  | 15.9  | 680   | 5.29  | 6.0   | 0.5   | <0.5  | 3.4   | 28    | <0.1  | 0.3   | <0.1  | 133   | 0.62  | 0.086 |
| 1345507 | Soil                             | 0.8   | 33.6  | 7.8   | 64    | <0.1  | 26.9  | 13.5  | 302   | 3.71  | 7.3   | 0.4   | <0.5  | 2.7   | 17    | <0.1  | 0.8   | <0.1  | 124   | 0.21  | 0.026 |
| 1345517 | Soil                             | 1.0   | 75.8  | 15.9  | 109   | 0.2   | 23.4  | 15.2  | 328   | 3.18  | 6.3   | 1.0   | 4.8   | 2.4   | 26    | 0.4   | 0.5   | 0.1   | 80    | 0.34  | 0.065 |
| 1345521 | Soil                             | 0.9   | 28.0  | 9.0   | 90    | 0.2   | 22.1  | 13.0  | 359   | 3.30  | 20.8  | 0.7   | 1.0   | 2.5   | 24    | 0.3   | 0.6   | <0.1  | 95    | 0.41  | 0.066 |
| 1345531 | Soil                             | 0.4   | 46.1  | 5.6   | 57    | 0.2   | 81.4  | 18.7  | 793   | 2.44  | 31.7  | 0.8   | 0.9   | 0.9   | 81    | 0.3   | 0.7   | <0.1  | 76    | 2.63  | 0.115 |
| 1345504 | Soil                             | 1.3   | 33.1  | 13.7  | 67    | 0.2   | 20.0  | 11.1  | 570   | 2.74  | 17.9  | 1.2   | 3.5   | 2.9   | 59    | 0.3   | 0.6   | 0.2   | 72    | 0.89  | 0.060 |
| 1345512 | Soil                             | 0.9   | 29.2  | 7.4   | 70    | 0.3   | 18.3  | 11.0  | 511   | 2.71  | 9.3   | 1.2   | 1.9   | 3.6   | 36    | 0.2   | 0.4   | 0.1   | 70    | 0.64  | 0.067 |
| 1385001 | Rock Pulp                        | 1.7   | 581.5 | 20.7  | 71    | 0.2   | 293.1 | 97.5  | 1017  | 17.21 | 4.5   | 1.2   | 52.2  | 7.3   | 16    | <0.1  | 0.6   | 0.2   | 246   | 0.47  | 0.041 |
| 1345511 | Soil                             | 0.8   | 35.6  | 8.4   | 81    | 0.1   | 29.2  | 11.5  | 365   | 3.32  | 9.3   | 1.1   | 7.2   | 5.2   | 37    | 0.2   | 0.6   | 0.1   | 80    | 0.59  | 0.066 |
| 1345505 | Soil                             | 0.7   | 47.2  | 8.8   | 90    | 0.3   | 28.4  | 21.2  | 933   | 5.22  | 26.4  | 0.5   | 10.0  | 3.0   | 48    | 0.2   | 0.8   | <0.1  | 156   | 1.16  | 0.046 |
| 1345513 | Soil                             | 1.1   | 53.4  | 10.2  | 126   | 0.1   | 44.8  | 12.9  | 245   | 3.21  | 22.5  | 1.7   | 2.3   | 12.5  | 16    | 0.2   | 0.4   | 0.2   | 69    | 0.24  | 0.044 |
| 1345518 | Soil                             | 0.6   | 114.9 | 6.1   | 89    | 0.1   | 20.0  | 11.5  | 288   | 3.52  | 4.4   | 0.7   | 1.5   | 2.6   | 18    | 0.2   | 0.3   | <0.1  | 106   | 0.26  | 0.064 |
| 1345516 | Soil                             | 0.7   | 40.5  | 7.3   | 65    | <0.1  | 28.1  | 9.7   | 453   | 2.33  | 8.9   | 0.5   | 2.8   | 3.2   | 87    | 0.3   | 0.7   | 0.1   | 49    | 2.57  | 0.077 |
| 1345506 | Soil                             | 0.7   | 32.2  | 4.1   | 57    | <0.1  | 17.8  | 14.0  | 306   | 3.51  | 7.9   | 0.3   | <0.5  | 1.4   | 12    | <0.1  | 0.3   | <0.1  | 144   | 0.19  | 0.019 |
| 1345515 | Soil                             | 1.2   | 98.7  | 7.0   | 91    | 0.2   | 25.3  | 16.2  | 390   | 3.93  | 8.5   | 1.4   | 2.3   | 3.0   | 41    | <0.1  | 0.5   | <0.1  | 100   | 0.71  | 0.043 |
| 1345514 | Soil                             | 0.5   | 78.6  | 3.9   | 81    | <0.1  | 25.7  | 19.3  | 517   | 3.33  | 4.0   | 0.3   | <0.5  | 2.6   | 20    | <0.1  | 0.2   | <0.1  | 110   | 0.41  | 0.029 |
| 1345520 | Soil                             | 1.1   | 34.0  | 9.7   | 107   | <0.1  | 29.9  | 12.0  | 300   | 3.03  | 15.7  | 0.8   | 1.8   | 3.3   | 17    | 0.3   | 0.5   | 0.1   | 85    | 0.26  | 0.061 |

# CERTIFICATE OF ANALYSIS

WHI14000101.1

|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    |
|         |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|         |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 1345776 | Soil                             | 9     | 17    | 0.54  | 66    | 0.045 | 1     | 1.30  | 0.008 | 0.05  | <0.1  | <0.01 | 4.5   | <0.1  | <0.05 | 6     | <0.5  |
| 1345778 | Soil                             | 21    | 25    | 1.80  | 82    | 0.079 | <1    | 2.84  | 0.006 | 0.11  | 0.2   | 0.01  | 9.6   | <0.1  | <0.05 | 17    | <0.5  |
| 1345527 | Soil                             | 34    | 46    | 1.11  | 306   | 0.108 | 3     | 2.55  | 0.015 | 0.15  | 0.2   | 0.04  | 7.0   | 0.1   | <0.05 | 8     | 1.1   |
| 1345522 | Soil                             | 10    | 31    | 0.90  | 189   | 0.145 | 1     | 1.90  | 0.023 | 0.11  | 0.2   | 0.02  | 5.9   | <0.1  | <0.05 | 7     | 0.6   |
| 1345775 | Soil                             | 11    | 30    | 0.62  | 234   | 0.090 | 3     | 2.13  | 0.013 | 0.11  | <0.1  | 0.02  | 5.2   | 0.1   | <0.05 | 7     | <0.5  |
| 1345780 | Soil                             | 6     | 44    | 1.67  | 298   | 0.306 | <1    | 2.89  | 0.015 | 0.90  | 0.1   | 0.02  | 8.8   | 0.3   | <0.05 | 11    | <0.5  |
| 1345529 | Soil                             | 19    | 74    | 1.36  | 460   | 0.160 | 2     | 2.51  | 0.015 | 0.13  | <0.1  | 0.04  | 6.7   | 0.2   | <0.05 | 8     | <0.5  |
| 1345524 | Soil                             | 19    | 46    | 1.07  | 431   | 0.119 | 4     | 2.16  | 0.021 | 0.19  | 0.2   | 0.03  | 6.9   | 0.2   | <0.05 | 7     | 0.6   |
| 1345777 | Soil                             | 27    | 26    | 1.09  | 64    | 0.056 | 3     | 2.00  | 0.006 | 0.07  | <0.1  | 0.01  | 8.8   | <0.1  | <0.05 | 12    | 0.6   |
| 1345781 | Soil                             | 3     | 91    | 2.17  | 833   | 0.296 | <1    | 2.76  | 0.021 | 1.31  | <0.1  | 0.01  | 5.6   | 0.3   | <0.05 | 10    | <0.5  |
| 1345530 | Soil                             | 19    | 172   | 1.82  | 918   | 0.142 | 3     | 2.80  | 0.018 | 0.17  | 0.2   | 0.03  | 9.7   | 0.2   | <0.05 | 9     | <0.5  |
| 1345528 | Soil                             | 37    | 42    | 0.97  | 255   | 0.153 | 1     | 2.14  | 0.010 | 0.30  | 0.1   | 0.03  | 4.2   | 0.2   | <0.05 | 8     | <0.5  |
| 1345525 | Soil                             | 19    | 47    | 1.04  | 435   | 0.124 | 4     | 2.14  | 0.022 | 0.17  | 0.1   | 0.03  | 7.3   | 0.2   | <0.05 | 7     | <0.5  |
| 1345779 | Soil                             | 10    | 49    | 1.59  | 167   | 0.138 | <1    | 2.67  | 0.012 | 0.22  | 0.1   | <0.01 | 11.5  | <0.1  | <0.05 | 13    | <0.5  |
| 1345507 | Soil                             | 7     | 40    | 1.11  | 147   | 0.148 | 2     | 2.35  | 0.013 | 0.23  | 0.1   | 0.01  | 5.9   | <0.1  | <0.05 | 7     | 0.6   |
| 1345517 | Soil                             | 13    | 30    | 0.77  | 482   | 0.106 | 1     | 1.77  | 0.021 | 0.10  | 0.1   | 0.08  | 5.7   | <0.1  | 0.05  | 5     | 0.8   |
| 1345521 | Soil                             | 11    | 32    | 0.79  | 240   | 0.126 | <1    | 1.89  | 0.022 | 0.17  | 0.2   | 0.02  | 5.0   | <0.1  | <0.05 | 7     | <0.5  |
| 1345531 | Soil                             | 16    | 92    | 1.06  | 661   | 0.044 | 4     | 1.68  | 0.014 | 0.04  | 0.1   | 0.05  | 5.5   | <0.1  | 0.12  | 5     | 1.7   |
| 1345504 | Soil                             | 21    | 30    | 0.69  | 219   | 0.052 | 3     | 1.74  | 0.018 | 0.07  | 0.1   | 0.04  | 5.8   | <0.1  | <0.05 | 6     | 0.7   |
| 1345512 | Soil                             | 15    | 31    | 0.77  | 330   | 0.096 | 2     | 1.56  | 0.016 | 0.23  | 0.1   | 0.04  | 5.6   | 0.1   | <0.05 | 6     | 1.1   |
| 1385001 | Rock Pulp                        | 18    | 816   | 0.16  | 166   | 0.215 | 8     | 3.97  | 0.015 | 0.09  | <0.1  | 0.02  | 50.7  | <0.1  | <0.05 | 19    | 1.1   |
| 1345511 | Soil                             | 16    | 61    | 1.04  | 339   | 0.120 | 2     | 1.93  | 0.023 | 0.28  | 0.1   | 0.02  | 5.3   | 0.1   | <0.05 | 6     | 0.6   |
| 1345505 | Soil                             | 15    | 44    | 1.69  | 222   | 0.078 | 3     | 2.79  | 0.020 | 0.10  | 0.2   | 0.06  | 14.9  | 0.1   | <0.05 | 10    | <0.5  |
| 1345513 | Soil                             | 42    | 29    | 0.71  | 140   | 0.051 | <1    | 1.60  | 0.009 | 0.14  | <0.1  | 0.02  | 5.1   | <0.1  | <0.05 | 6     | <0.5  |
| 1345518 | Soil                             | 11    | 33    | 1.22  | 443   | 0.169 | <1    | 2.17  | 0.018 | 0.41  | 0.1   | 0.03  | 4.3   | 0.2   | 0.06  | 8     | <0.5  |
| 1345516 | Soil                             | 11    | 24    | 0.79  | 240   | 0.080 | 4     | 1.18  | 0.042 | 0.11  | 0.2   | <0.01 | 3.9   | <0.1  | <0.05 | 4     | <0.5  |
| 1345506 | Soil                             | 4     | 31    | 1.30  | 295   | 0.201 | <1    | 2.22  | 0.019 | 0.46  | 0.1   | 0.02  | 5.7   | 0.1   | <0.05 | 7     | <0.5  |
| 1345515 | Soil                             | 13    | 49    | 1.11  | 765   | 0.198 | 1     | 2.32  | 0.019 | 0.42  | 0.1   | 0.05  | 7.9   | 0.1   | <0.05 | 8     | <0.5  |
| 1345514 | Soil                             | 6     | 83    | 1.60  | 305   | 0.199 | 1     | 2.12  | 0.014 | 0.49  | <0.1  | <0.01 | 4.8   | 0.2   | <0.05 | 7     | <0.5  |
| 1345520 | Soil                             | 11    | 35    | 0.75  | 193   | 0.110 | 1     | 1.83  | 0.015 | 0.11  | 0.1   | <0.01 | 3.8   | 0.1   | <0.05 | 6     | <0.5  |

# CERTIFICATE OF ANALYSIS

WHI14000101.1

|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    |
|         |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     |
|         |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  |
| 1351412 | Soil                             | 0.8   | 28.5  | 9.7   | 91    | 0.3   | 18.2  | 16.3  | 530   | 3.39  | 9.1   | 0.6   | 4.7   | 2.5   | 28    | 0.2   | 0.3   | 0.1   | 104   | 0.32  |
| 1351409 | Soil                             | 0.6   | 19.3  | 7.7   | 81    | 0.2   | 14.4  | 10.4  | 297   | 2.64  | 13.8  | 0.6   | 9.1   | 1.9   | 27    | 0.2   | 0.3   | 0.1   | 72    | 0.34  |
| 1345503 | Soil                             | 1.7   | 37.9  | 11.6  | 82    | 0.2   | 21.3  | 12.9  | 456   | 3.41  | 20.7  | 0.9   | 4.1   | 3.9   | 43    | 0.1   | 0.6   | 0.2   | 84    | 0.69  |
| 1345510 | Soil                             | 1.0   | 28.5  | 6.0   | 52    | <0.1  | 19.4  | 15.4  | 541   | 4.26  | 10.3  | 0.5   | <0.5  | 2.1   | 23    | <0.1  | 0.3   | 0.2   | 128   | 0.46  |
| 1351414 | Soil                             | 0.8   | 19.3  | 9.7   | 84    | 0.2   | 18.1  | 11.8  | 403   | 3.06  | 6.7   | 0.7   | 4.0   | 2.8   | 27    | <0.1  | 0.3   | 0.1   | 81    | 0.33  |
| 1351415 | Soil                             | 1.0   | 23.3  | 10.3  | 79    | 0.4   | 19.3  | 10.6  | 356   | 3.03  | 7.9   | 0.8   | 1.8   | 2.0   | 25    | 0.2   | 0.3   | 0.2   | 83    | 0.34  |
| 1351408 | Soil                             | 0.9   | 20.9  | 24.9  | 92    | 0.1   | 17.5  | 11.3  | 452   | 2.82  | 4.4   | 2.1   | 2.5   | 5.1   | 19    | 0.2   | 0.3   | 0.3   | 81    | 0.26  |
| 1345508 | Soil                             | 0.7   | 30.2  | 6.6   | 51    | <0.1  | 24.7  | 10.0  | 260   | 2.81  | 8.0   | 0.5   | 2.4   | 3.8   | 24    | 0.1   | 0.6   | 0.1   | 84    | 0.33  |
| 1351410 | Soil                             | 1.4   | 58.9  | 5.9   | 103   | <0.1  | 15.4  | 18.3  | 408   | 4.76  | 24.2  | 0.5   | 2.4   | 2.4   | 25    | <0.1  | 0.2   | 0.1   | 203   | 0.32  |
| 1351425 | Soil                             | 0.7   | 35.2  | 7.0   | 273   | <0.1  | 24.0  | 12.4  | 428   | 3.18  | 4.2   | 0.7   | 6.4   | 3.5   | 31    | 0.4   | 0.4   | 0.1   | 91    | 0.50  |
| 1351411 | Soil                             | 0.7   | 22.4  | 9.3   | 66    | 0.1   | 13.3  | 9.0   | 272   | 2.87  | 8.2   | 0.7   | 4.9   | 1.9   | 24    | <0.1  | 0.3   | 0.1   | 80    | 0.25  |
| 1345502 | Soil                             | 1.5   | 50.1  | 10.1  | 76    | 0.1   | 18.1  | 13.9  | 560   | 3.55  | 26.8  | 0.7   | 4.0   | 2.9   | 32    | 0.1   | 0.5   | 0.1   | 98    | 0.55  |
| 1351413 | Soil                             | 0.9   | 21.0  | 8.4   | 73    | 0.1   | 15.2  | 14.0  | 540   | 3.04  | 9.9   | 0.7   | 0.7   | 1.4   | 20    | <0.1  | 0.3   | 0.1   | 92    | 0.22  |
| 1351416 | Soil                             | 0.9   | 34.2  | 10.2  | 110   | 0.4   | 21.5  | 13.2  | 543   | 3.67  | 9.3   | 1.0   | 2.6   | 2.7   | 25    | 0.2   | 0.4   | 0.2   | 97    | 0.33  |
| 1351424 | Soil                             | 0.6   | 28.8  | 8.5   | 161   | <0.1  | 22.0  | 12.0  | 374   | 2.95  | 7.1   | 0.9   | 3.3   | 3.7   | 29    | 0.4   | 0.4   | 0.1   | 80    | 0.39  |
| 1345509 | Soil                             | 1.0   | 14.4  | 7.2   | 45    | <0.1  | 16.7  | 11.1  | 285   | 3.12  | 7.9   | 0.4   | 1.2   | 3.7   | 17    | <0.1  | 0.5   | 0.1   | 85    | 0.21  |
| 1346995 | Soil                             | 0.6   | 27.1  | 7.0   | 60    | 0.1   | 23.6  | 10.7  | 388   | 2.89  | 8.2   | 0.8   | 2.1   | 2.7   | 21    | <0.1  | 0.4   | <0.1  | 78    | 0.29  |
| 1349246 | Soil                             | 1.3   | 20.9  | 29.8  | 96    | 0.2   | 18.8  | 10.5  | 419   | 2.98  | 7.4   | 0.6   | 1.9   | 3.7   | 17    | 0.3   | 0.5   | 0.5   | 98    | 0.21  |
| 1349250 | Soil                             | 1.3   | 28.4  | 47.1  | 100   | 0.1   | 22.7  | 10.7  | 321   | 3.92  | 9.5   | 1.4   | 3.0   | 7.4   | 20    | 0.2   | 0.5   | 0.5   | 92    | 0.19  |
| 1349243 | Soil                             | 1.4   | 30.3  | 37.3  | 70    | 0.2   | 24.2  | 10.6  | 324   | 3.86  | 10.8  | 2.5   | 1.5   | 6.6   | 22    | <0.1  | 0.5   | 0.3   | 104   | 0.28  |
| 1347000 | Soil                             | 0.7   | 19.1  | 26.9  | 103   | <0.1  | 27.8  | 9.7   | 326   | 2.12  | 9.6   | 0.9   | 1.7   | 4.6   | 18    | 0.2   | 0.4   | 0.3   | 63    | 0.19  |
| 1349247 | Soil                             | 1.4   | 31.8  | 11.6  | 97    | <0.1  | 26.3  | 16.4  | 630   | 5.04  | 12.7  | 0.6   | 2.9   | 2.9   | 15    | 0.3   | 0.6   | 0.2   | 118   | 0.20  |
| 1351406 | Soil                             | 0.9   | 21.3  | 34.7  | 111   | <0.1  | 16.7  | 13.5  | 545   | 2.74  | 7.0   | 1.9   | 3.9   | 6.0   | 17    | 0.2   | 0.3   | 0.4   | 81    | 0.23  |
| 1349245 | Soil                             | 0.6   | 53.0  | 7.2   | 68    | <0.1  | 39.7  | 24.6  | 558   | 4.70  | 8.0   | 0.5   | <0.5  | 2.2   | 21    | <0.1  | 0.3   | 0.1   | 140   | 0.39  |
| 1346996 | Soil                             | 0.8   | 36.3  | 3.7   | 95    | <0.1  | 14.2  | 13.8  | 942   | 5.01  | 11.0  | 0.9   | 1.7   | 3.1   | 21    | 0.2   | 0.1   | <0.1  | 137   | 0.48  |
| 1346997 | Soil                             | 2.5   | 61.3  | 19.4  | 111   | 1.0   | 31.6  | 19.5  | 1853  | 4.30  | 17.3  | 3.0   | 1.0   | 5.6   | 44    | 0.7   | 0.5   | 0.2   | 105   | 0.49  |
| 1349249 | Soil                             | 1.7   | 20.0  | 58.1  | 129   | 0.2   | 16.7  | 8.4   | 511   | 3.90  | 9.6   | 1.2   | 2.0   | 6.0   | 15    | 0.3   | 0.6   | 0.5   | 103   | 0.13  |
| 1351407 | Soil                             | 1.0   | 23.8  | 31.4  | 102   | 0.2   | 18.0  | 12.2  | 455   | 2.91  | 5.8   | 2.5   | 4.5   | 5.3   | 21    | 0.1   | 0.3   | 0.4   | 88    | 0.29  |
| 1385003 | Soil                             | 1.1   | 33.6  | 9.6   | 103   | 0.2   | 23.4  | 21.8  | 707   | 4.89  | 12.2  | 0.7   | 3.5   | 3.2   | 19    | 0.2   | 0.5   | 0.2   | 123   | 0.26  |
| 1346999 | Soil                             | 1.2   | 18.6  | 15.1  | 58    | 0.1   | 16.5  | 7.2   | 219   | 1.89  | 8.6   | 0.8   | 0.8   | 3.2   | 19    | 0.3   | 0.3   | 0.3   | 54    | 0.16  |

# CERTIFICATE OF ANALYSIS

WHI14000101.1

|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Ti    | S     | Ga    | Se    |
|         |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|         |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 1351412 | Soil                             | 9     | 31    | 1.12  | 230   | 0.125 | 1     | 2.37  | 0.014 | 0.08  | 0.2   | 0.03  | 6.7   | <0.1  | <0.05 | 8     | 0.5   |
| 1351409 | Soil                             | 9     | 29    | 0.80  | 222   | 0.096 | 2     | 1.72  | 0.013 | 0.08  | 0.3   | 0.05  | 5.1   | 0.1   | <0.05 | 6     | 1.0   |
| 1345503 | Soil                             | 17    | 36    | 0.90  | 223   | 0.055 | 2     | 2.11  | 0.017 | 0.06  | 0.1   | 0.04  | 7.4   | <0.1  | <0.05 | 7     | <0.5  |
| 1345510 | Soil                             | 6     | 41    | 1.55  | 323   | 0.158 | <1    | 2.40  | 0.017 | 0.29  | 0.2   | <0.01 | 7.9   | <0.1  | <0.05 | 10    | <0.5  |
| 1351414 | Soil                             | 10    | 32    | 0.97  | 175   | 0.116 | 2     | 2.04  | 0.015 | 0.07  | 0.2   | 0.02  | 5.6   | <0.1  | <0.05 | 7     | <0.5  |
| 1351415 | Soil                             | 9     | 34    | 0.93  | 172   | 0.103 | 2     | 2.08  | 0.014 | 0.07  | 0.2   | 0.03  | 6.1   | 0.1   | <0.05 | 8     | <0.5  |
| 1351408 | Soil                             | 16    | 30    | 0.83  | 172   | 0.108 | 1     | 1.99  | 0.015 | 0.09  | 0.4   | 0.02  | 5.1   | 0.2   | <0.05 | 7     | <0.5  |
| 1345508 | Soil                             | 10    | 37    | 0.70  | 190   | 0.109 | <1    | 1.75  | 0.016 | 0.11  | 0.2   | <0.01 | 5.2   | <0.1  | <0.05 | 5     | <0.5  |
| 1351410 | Soil                             | 7     | 39    | 1.53  | 284   | 0.265 | <1    | 2.84  | 0.012 | 0.64  | 0.2   | <0.01 | 10.2  | 0.2   | <0.05 | 10    | 0.6   |
| 1351425 | Soil                             | 12    | 40    | 1.05  | 250   | 0.134 | 2     | 1.96  | 0.018 | 0.12  | 0.1   | 0.01  | 7.2   | <0.1  | <0.05 | 7     | <0.5  |
| 1351411 | Soil                             | 9     | 25    | 0.76  | 218   | 0.101 | 2     | 1.88  | 0.015 | 0.06  | 0.1   | 0.04  | 5.9   | <0.1  | <0.05 | 6     | <0.5  |
| 1345502 | Soil                             | 15    | 32    | 0.93  | 172   | 0.111 | 1     | 2.12  | 0.012 | 0.08  | 0.2   | 0.02  | 5.4   | <0.1  | <0.05 | 8     | 0.8   |
| 1351413 | Soil                             | 7     | 37    | 0.91  | 144   | 0.088 | 3     | 1.81  | 0.012 | 0.07  | 0.1   | 0.06  | 5.0   | <0.1  | <0.05 | 7     | 2.0   |
| 1351416 | Soil                             | 11    | 39    | 1.03  | 210   | 0.127 | 3     | 2.41  | 0.015 | 0.08  | 0.1   | 0.04  | 7.5   | <0.1  | <0.05 | 9     | 0.9   |
| 1351424 | Soil                             | 13    | 39    | 0.94  | 215   | 0.127 | <1    | 1.97  | 0.017 | 0.08  | 0.2   | 0.02  | 6.3   | <0.1  | <0.05 | 6     | 0.8   |
| 1345509 | Soil                             | 10    | 31    | 0.95  | 179   | 0.084 | 2     | 2.24  | 0.011 | 0.09  | <0.1  | 0.02  | 5.4   | <0.1  | <0.05 | 8     | 0.6   |
| 1346995 | Soil                             | 12    | 45    | 1.01  | 279   | 0.137 | 2     | 1.92  | 0.013 | 0.08  | 0.1   | 0.02  | 7.6   | <0.1  | <0.05 | 7     | 0.8   |
| 1349246 | Soil                             | 9     | 34    | 0.48  | 176   | 0.088 | 2     | 2.26  | 0.015 | 0.06  | 2.5   | 0.03  | 3.7   | 0.4   | <0.05 | 9     | <0.5  |
| 1349250 | Soil                             | 14    | 40    | 0.67  | 178   | 0.107 | 3     | 3.09  | 0.013 | 0.06  | 0.3   | 0.03  | 4.3   | 0.3   | <0.05 | 10    | <0.5  |
| 1349243 | Soil                             | 31    | 43    | 0.74  | 230   | 0.125 | 2     | 2.54  | 0.015 | 0.06  | 0.9   | 0.03  | 5.2   | 0.3   | <0.05 | 9     | <0.5  |
| 1347000 | Soil                             | 25    | 30    | 0.45  | 120   | 0.055 | 2     | 1.45  | 0.007 | 0.05  | 0.2   | 0.02  | 3.4   | 0.1   | <0.05 | 5     | 0.9   |
| 1349247 | Soil                             | 9     | 42    | 1.14  | 119   | 0.094 | 3     | 2.94  | 0.012 | 0.09  | 0.4   | 0.02  | 6.4   | 0.2   | <0.05 | 10    | 0.7   |
| 1351406 | Soil                             | 12    | 31    | 0.76  | 102   | 0.104 | 2     | 1.83  | 0.013 | 0.08  | 0.5   | 0.03  | 4.4   | 0.2   | <0.05 | 8     | <0.5  |
| 1349245 | Soil                             | 9     | 69    | 2.14  | 225   | 0.209 | 2     | 3.17  | 0.013 | 0.20  | 0.4   | 0.02  | 5.6   | 0.2   | <0.05 | 10    | 1.0   |
| 1346996 | Soil                             | 12    | 33    | 1.62  | 321   | 0.310 | 2     | 2.47  | 0.008 | 1.04  | 0.1   | 0.01  | 15.6  | 0.4   | <0.05 | 10    | 1.6   |
| 1346997 | Soil                             | 30    | 48    | 1.19  | 226   | 0.052 | 5     | 3.02  | 0.011 | 0.13  | 0.2   | 0.05  | 11.6  | 0.3   | 0.05  | 11    | 2.3   |
| 1349249 | Soil                             | 15    | 32    | 0.46  | 144   | 0.098 | 1     | 2.52  | 0.011 | 0.05  | 0.2   | 0.07  | 3.4   | 0.2   | <0.05 | 11    | 0.9   |
| 1351407 | Soil                             | 18    | 33    | 0.84  | 177   | 0.114 | 1     | 2.12  | 0.016 | 0.09  | 0.4   | 0.04  | 5.5   | 0.2   | <0.05 | 8     | 1.0   |
| 1385003 | Soil                             | 9     | 46    | 1.53  | 272   | 0.175 | 1     | 3.13  | 0.014 | 0.23  | 0.2   | 0.03  | 7.7   | 0.2   | <0.05 | 9     | 1.1   |
| 1346999 | Soil                             | 22    | 23    | 0.33  | 123   | 0.056 | 1     | 1.41  | 0.008 | 0.04  | 0.1   | 0.01  | 2.9   | 0.1   | <0.05 | 5     | 0.7   |

# CERTIFICATE OF ANALYSIS

WHI14000101.1

|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|         |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|         |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 1349248 | Soil                             | 0.8   | 37.5  | 21.8  | 133   | 0.1   | 26.3  | 16.8  | 673   | 4.18  | 9.1   | 1.6   | 3.0   | 5.3   | 30    | 0.2   | 0.3   | 0.4   | 119   | 0.46  | 0.061 |
| 1349244 | Soil                             | 1.2   | 32.3  | 43.4  | 100   | 0.1   | 29.0  | 14.2  | 375   | 3.72  | 11.3  | 0.8   | 2.1   | 7.9   | 20    | 0.2   | 0.4   | 0.5   | 94    | 0.24  | 0.024 |
| 1346991 | Soil                             | 0.5   | 47.3  | 6.0   | 101   | 0.1   | 18.2  | 23.8  | 421   | 4.71  | 7.0   | 0.3   | <0.5  | 2.0   | 14    | 0.1   | 0.3   | <0.1  | 158   | 0.25  | 0.051 |
| 1346984 | Soil                             | 0.9   | 21.7  | 18.7  | 70    | 0.1   | 23.7  | 11.4  | 474   | 3.11  | 6.3   | 0.9   | 0.9   | 3.3   | 24    | 0.1   | 0.3   | 0.2   | 91    | 0.38  | 0.043 |
| 1385005 | Soil                             | 0.7   | 46.3  | 15.5  | 143   | 0.6   | 23.3  | 16.4  | 1140  | 3.74  | 7.6   | 1.2   | 3.0   | 4.3   | 30    | 0.7   | 0.4   | 0.2   | 82    | 1.68  | 0.094 |
| 1385004 | Soil                             | 1.0   | 38.8  | 8.3   | 100   | 0.2   | 21.5  | 16.6  | 563   | 4.72  | 11.5  | 0.5   | 1.2   | 3.1   | 17    | 0.1   | 0.4   | 0.1   | 133   | 0.22  | 0.029 |
| 1346992 | Soil                             | 1.1   | 29.3  | 7.4   | 108   | <0.1  | 32.8  | 18.1  | 695   | 5.51  | 8.4   | 0.8   | 1.9   | 5.2   | 20    | 0.1   | 0.2   | <0.1  | 145   | 0.28  | 0.035 |
| 1346986 | Soil                             | 0.8   | 59.7  | 15.1  | 166   | 0.3   | 17.2  | 18.3  | 579   | 4.87  | 3.8   | 3.0   | 4.1   | 3.7   | 37    | 0.1   | 0.1   | 0.1   | 161   | 0.60  | 0.110 |
| 1385007 | Soil                             | 0.6   | 27.5  | 8.7   | 82    | <0.1  | 26.2  | 11.6  | 628   | 2.29  | 5.0   | 1.0   | 1.4   | 1.5   | 53    | 0.4   | 0.3   | 0.1   | 65    | 1.42  | 0.056 |
| 1385002 | Soil                             | 1.6   | 111.5 | 8.0   | 109   | <0.1  | 19.8  | 34.8  | 1597  | 8.58  | 18.0  | 1.0   | 2.9   | 3.1   | 14    | 0.2   | 0.4   | 0.3   | 232   | 0.32  | 0.140 |
| 1346990 | Soil                             | 0.4   | 72.1  | 13.2  | 179   | <0.1  | 11.2  | 30.2  | 798   | 7.74  | 3.7   | 0.6   | <0.5  | 1.5   | 27    | 0.3   | 0.2   | <0.1  | 288   | 0.89  | 0.265 |
| 1346988 | Soil                             | 0.7   | 26.3  | 6.9   | 98    | 0.2   | 19.0  | 13.4  | 520   | 3.42  | 8.1   | 0.7   | 2.8   | 4.1   | 22    | 0.2   | 0.4   | <0.1  | 85    | 0.32  | 0.046 |
| 1346987 | Soil                             | 0.6   | 41.3  | 10.4  | 113   | 0.3   | 18.1  | 12.5  | 533   | 4.12  | 11.1  | 1.8   | 2.8   | 3.7   | 39    | 0.2   | 0.3   | 0.1   | 107   | 0.58  | 0.085 |
| 1346998 | Soil                             | 1.6   | 26.8  | 11.8  | 64    | 0.2   | 23.4  | 9.7   | 318   | 2.76  | 7.2   | 0.9   | 4.2   | 4.6   | 24    | 0.3   | 0.5   | 0.2   | 76    | 0.20  | 0.018 |
| 1346993 | Soil                             | 1.0   | 23.6  | 9.3   | 52    | 0.1   | 24.7  | 11.6  | 365   | 2.99  | 7.5   | 0.4   | 2.0   | 2.3   | 23    | <0.1  | 0.3   | 0.1   | 93    | 0.32  | 0.036 |
| 1346983 | Soil                             | 1.0   | 34.1  | 20.3  | 82    | 0.1   | 29.6  | 15.6  | 683   | 3.58  | 6.6   | 2.7   | 3.1   | 5.3   | 32    | 0.1   | 0.4   | 0.2   | 95    | 0.47  | 0.030 |
| 1346985 | Soil                             | 1.1   | 38.1  | 8.6   | 99    | 0.2   | 15.8  | 12.7  | 624   | 4.45  | 5.2   | 1.6   | 2.1   | 3.8   | 23    | 0.1   | 0.2   | 0.2   | 122   | 0.48  | 0.084 |
| 1385006 | Soil                             | 0.7   | 42.2  | 10.9  | 81    | 0.2   | 37.3  | 14.5  | 806   | 3.00  | 8.1   | 1.4   | 5.5   | 3.2   | 38    | 0.4   | 0.6   | 0.2   | 77    | 1.22  | 0.054 |
| 1346994 | Soil                             | 0.5   | 53.7  | 18.5  | 81    | <0.1  | 50.2  | 20.2  | 652   | 4.48  | 7.7   | 0.3   | 0.7   | 1.7   | 28    | 0.1   | 0.2   | 0.1   | 120   | 0.56  | 0.141 |
| 1346989 | Soil                             | 0.5   | 20.7  | 5.9   | 79    | <0.1  | 20.7  | 11.9  | 460   | 3.08  | 5.3   | 0.6   | 1.3   | 4.7   | 20    | 0.1   | 0.3   | <0.1  | 75    | 0.26  | 0.033 |
| 1346951 | Rock Pulp                        | 2.4   | 25.0  | 2.5   | 44    | 0.3   | 23.3  | 10.1  | 388   | 2.37  | 4.7   | 0.3   | 1.0   | 0.9   | 41    | 0.2   | 0.3   | <0.1  | 66    | 0.80  | 0.059 |
| 1385008 | Soil                             | 1.0   | 24.6  | 11.9  | 77    | 0.2   | 14.5  | 9.9   | 389   | 3.07  | 6.7   | 1.2   | 4.4   | 2.8   | 35    | 0.2   | 0.3   | 0.2   | 59    | 0.68  | 0.060 |
| 1385010 | Soil                             | 0.8   | 20.9  | 10.1  | 59    | <0.1  | 17.2  | 10.0  | 359   | 3.01  | 5.9   | 0.7   | 1.1   | 4.7   | 29    | <0.1  | 0.4   | 0.1   | 78    | 0.39  | 0.028 |
| 1385009 | Soil                             | 1.2   | 29.7  | 12.9  | 63    | 0.1   | 19.1  | 11.7  | 416   | 3.17  | 5.5   | 1.5   | 0.9   | 4.2   | 35    | 0.1   | 0.4   | 0.2   | 84    | 0.55  | 0.037 |
| 1345519 | Soil                             | 1.0   | 43.1  | 4.6   | 92    | <0.1  | 20.6  | 14.1  | 293   | 3.25  | 4.7   | 0.5   | <0.5  | 1.8   | 15    | 0.1   | 0.2   | <0.1  | 106   | 0.22  | 0.038 |

# CERTIFICATE OF ANALYSIS

WHI14000101.1

|         | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    |
|         |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   |
|         |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   |
| 1349248 | Soil                             | 15    | 45    | 1.32  | 255   | 0.124 | 3     | 2.76  | 0.017 | 0.19  | 0.4   | 0.02  | 8.4   | 0.5   | <0.05 | 10    | <0.5  |
| 1349244 | Soil                             | 11    | 51    | 0.99  | 220   | 0.144 | 3     | 2.93  | 0.014 | 0.09  | 0.7   | 0.04  | 5.5   | 0.4   | <0.05 | 8     | 0.8   |
| 1346991 | Soil                             | 8     | 20    | 1.52  | 206   | 0.219 | 2     | 2.67  | 0.017 | 0.41  | 0.1   | 0.03  | 4.7   | 0.2   | <0.05 | 9     | 0.8   |
| 1346984 | Soil                             | 10    | 45    | 0.89  | 236   | 0.162 | 2     | 1.82  | 0.015 | 0.16  | 0.2   | 0.03  | 4.6   | 0.2   | <0.05 | 8     | 1.3   |
| 1385005 | Soil                             | 26    | 29    | 1.34  | 360   | 0.107 | 3     | 2.82  | 0.014 | 0.34  | <0.1  | 0.10  | 15.9  | 0.4   | <0.05 | 9     | 0.7   |
| 1385004 | Soil                             | 9     | 38    | 1.56  | 144   | 0.154 | 4     | 2.89  | 0.013 | 0.13  | 0.2   | 0.02  | 8.7   | 0.1   | <0.05 | 9     | <0.5  |
| 1346992 | Soil                             | 13    | 70    | 3.02  | 152   | 0.306 | 1     | 3.98  | 0.011 | 0.89  | 0.2   | 0.02  | 12.5  | 0.8   | <0.05 | 14    | <0.5  |
| 1346986 | Soil                             | 12    | 28    | 2.00  | 412   | 0.227 | 2     | 2.81  | 0.021 | 0.57  | 0.3   | 0.05  | 9.0   | 0.3   | 0.08  | 11    | 1.1   |
| 1385007 | Soil                             | 10    | 26    | 0.99  | 268   | 0.069 | 3     | 1.75  | 0.021 | 0.05  | 0.1   | 0.06  | 5.4   | <0.1  | 0.09  | 6     | <0.5  |
| 1385002 | Soil                             | 8     | 61    | 3.09  | 157   | 0.143 | 2     | 3.74  | 0.007 | 0.23  | 0.3   | 0.01  | 14.7  | 0.1   | <0.05 | 14    | 0.7   |
| 1346990 | Soil                             | 6     | 10    | 4.54  | 378   | 0.270 | <1    | 4.69  | 0.011 | 0.84  | 0.1   | 0.02  | 18.1  | 0.3   | <0.05 | 17    | 0.8   |
| 1346988 | Soil                             | 11    | 40    | 1.36  | 265   | 0.183 | 2     | 2.21  | 0.016 | 0.31  | 0.2   | 0.03  | 6.6   | 0.1   | <0.05 | 8     | <0.5  |
| 1346987 | Soil                             | 12    | 34    | 1.37  | 305   | 0.184 | 2     | 2.32  | 0.018 | 0.42  | 0.2   | 0.04  | 9.1   | 0.2   | <0.05 | 9     | 0.8   |
| 1346998 | Soil                             | 18    | 37    | 0.53  | 210   | 0.065 | 1     | 2.05  | 0.011 | 0.05  | 0.1   | 0.03  | 4.7   | 0.1   | <0.05 | 6     | <0.5  |
| 1346993 | Soil                             | 8     | 45    | 0.89  | 163   | 0.128 | 2     | 1.99  | 0.013 | 0.08  | 0.2   | 0.02  | 4.6   | <0.1  | <0.05 | 7     | <0.5  |
| 1346983 | Soil                             | 19    | 58    | 1.18  | 547   | 0.172 | 2     | 2.24  | 0.018 | 0.13  | 0.3   | 0.03  | 7.7   | 0.2   | <0.05 | 8     | 0.5   |
| 1346985 | Soil                             | 14    | 33    | 1.30  | 342   | 0.281 | 1     | 2.60  | 0.014 | 0.78  | 0.3   | 0.02  | 10.2  | 0.5   | 0.05  | 10    | 0.8   |
| 1385006 | Soil                             | 15    | 28    | 0.96  | 309   | 0.077 | 1     | 1.83  | 0.019 | 0.05  | 0.1   | 0.05  | 6.5   | <0.1  | <0.05 | 5     | 0.7   |
| 1346994 | Soil                             | 5     | 102   | 2.45  | 485   | 0.301 | 1     | 3.00  | 0.012 | 0.80  | <0.1  | <0.01 | 7.9   | 0.3   | <0.05 | 10    | <0.5  |
| 1346989 | Soil                             | 11    | 43    | 1.32  | 187   | 0.157 | 2     | 2.14  | 0.011 | 0.28  | 0.2   | 0.02  | 5.8   | 0.1   | <0.05 | 7     | <0.5  |
| 1346951 | Rock Pulp                        | 4     | 30    | 0.76  | 92    | 0.118 | 4     | 1.49  | 0.077 | 0.12  | 13.6  | <0.01 | 4.7   | <0.1  | <0.05 | 5     | <0.5  |
| 1385008 | Soil                             | 13    | 30    | 0.73  | 170   | 0.087 | 2     | 1.73  | 0.014 | 0.07  | 0.2   | 0.04  | 8.0   | 0.1   | <0.05 | 7     | <0.5  |
| 1385010 | Soil                             | 13    | 33    | 0.79  | 172   | 0.097 | 1     | 1.94  | 0.013 | 0.05  | 0.2   | 0.02  | 5.2   | 0.1   | <0.05 | 7     | <0.5  |
| 1385009 | Soil                             | 14    | 38    | 0.81  | 204   | 0.120 | 2     | 2.11  | 0.017 | 0.06  | 0.2   | 0.02  | 7.0   | 0.1   | <0.05 | 8     | <0.5  |
| 1345519 | Soil                             | 7     | 46    | 1.33  | 265   | 0.193 | 2     | 1.98  | 0.021 | 0.36  | 0.1   | 0.02  | 4.9   | 0.2   | <0.05 | 9     | <0.5  |

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## QUALITY CONTROL REPORT

WHI14000101.1

|                     | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |                                  | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
|                     |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
|                     |                                  | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1345684             | Soil                             | 0.7   | 47.7  | 12.0  | 68    | 0.2   | 40.4  | 13.0  | 378   | 2.89  | 14.2  | 1.0   | 2.9   | 3.8   | 30    | 0.1   | 0.3   | 0.2   | 70    | 0.28  | 0.056 |
| REP 1345684         | QC                               | 0.7   | 46.8  | 12.4  | 67    | 0.2   | 38.8  | 12.4  | 366   | 2.79  | 14.0  | 1.1   | 2.9   | 3.9   | 29    | 0.1   | 0.4   | 0.1   | 70    | 0.29  | 0.055 |
| 1349390             | Soil                             | 7.9   | 80.4  | 11.3  | 357   | 0.5   | 128.5 | 17.0  | 333   | 4.37  | 54.8  | 2.7   | <0.5  | 6.2   | 59    | 1.7   | 1.3   | 0.2   | 138   | 0.47  | 0.140 |
| REP 1349390         | QC                               | 8.5   | 78.9  | 10.7  | 351   | 0.5   | 127.5 | 17.5  | 343   | 4.28  | 52.7  | 2.5   | 1.2   | 5.8   | 55    | 0.9   | 1.3   | 0.2   | 133   | 0.44  | 0.128 |
| 1346978             | Soil                             | 1.3   | 44.4  | 6.4   | 76    | 0.4   | 20.7  | 12.3  | 429   | 3.64  | 9.2   | 0.6   | 2.5   | 1.4   | 33    | 0.3   | 0.3   | <0.1  | 89    | 0.57  | 0.043 |
| REP 1346978         | QC                               | 1.2   | 44.5  | 6.3   | 75    | 0.4   | 20.8  | 11.8  | 404   | 3.54  | 9.3   | 0.6   | 4.2   | 1.4   | 32    | 0.2   | 0.3   | 0.1   | 84    | 0.57  | 0.040 |
| 1345586             | Soil                             | 0.5   | 25.4  | 34.9  | 89    | <0.1  | 17.2  | 5.9   | 210   | 1.89  | 2.4   | 3.0   | <0.5  | 10.6  | 27    | 0.2   | 0.4   | 0.5   | 55    | 0.35  | 0.029 |
| REP 1345586         | QC                               | 0.6   | 24.3  | 32.6  | 88    | <0.1  | 16.6  | 5.9   | 209   | 1.88  | 3.4   | 2.9   | 3.0   | 10.1  | 27    | 0.2   | 0.3   | 0.5   | 57    | 0.33  | 0.028 |
| 1334257             | Soil                             | 3.5   | 82.1  | 10.7  | 282   | 0.6   | 102.7 | 14.0  | 281   | 3.82  | 23.0  | 1.9   | 5.2   | 4.9   | 38    | 0.8   | 0.5   | 0.1   | 166   | 0.52  | 0.096 |
| REP 1334257         | QC                               | 3.5   | 80.1  | 10.7  | 269   | 0.6   | 104.0 | 13.5  | 268   | 3.85  | 20.7  | 1.9   | 4.0   | 5.1   | 38    | 0.9   | 0.6   | 0.1   | 169   | 0.54  | 0.100 |
| 1345772             | Soil                             | 1.8   | 6.5   | 5.8   | 52    | <0.1  | 12.8  | 8.1   | 638   | 3.06  | 2.8   | 0.8   | <0.5  | 5.1   | 14    | <0.1  | 0.3   | 0.1   | 56    | 0.17  | 0.028 |
| REP 1345772         | QC                               | 1.6   | 6.1   | 5.7   | 49    | <0.1  | 13.0  | 7.5   | 596   | 2.99  | 1.2   | 0.8   | 0.6   | 5.0   | 14    | <0.1  | 0.2   | 0.1   | 55    | 0.17  | 0.027 |
| 1345521             | Soil                             | 0.9   | 28.0  | 9.0   | 90    | 0.2   | 22.1  | 13.0  | 359   | 3.30  | 20.8  | 0.7   | 1.0   | 2.5   | 24    | 0.3   | 0.6   | <0.1  | 95    | 0.41  | 0.066 |
| REP 1345521         | QC                               | 0.7   | 28.4  | 8.3   | 88    | 0.2   | 22.2  | 13.0  | 361   | 3.29  | 19.5  | 0.7   | 1.2   | 2.4   | 23    | 0.4   | 0.4   | 0.1   | 98    | 0.41  | 0.064 |
| 1346996             | Soil                             | 0.8   | 36.3  | 3.7   | 95    | <0.1  | 14.2  | 13.8  | 942   | 5.01  | 11.0  | 0.9   | 1.7   | 3.1   | 21    | 0.2   | 0.1   | <0.1  | 137   | 0.48  | 0.102 |
| REP 1346996         | QC                               | 0.9   | 38.3  | 3.5   | 94    | <0.1  | 13.9  | 14.4  | 943   | 5.12  | 12.0  | 0.8   | 1.9   | 2.9   | 21    | 0.1   | 0.2   | <0.1  | 133   | 0.44  | 0.102 |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS10            | Standard                         | 16.1  | 162.8 | 154.5 | 373   | 2.0   | 77.1  | 13.8  | 891   | 2.78  | 45.7  | 2.9   | 68.6  | 8.0   | 71    | 2.5   | 10.5  | 11.9  | 52    | 1.02  | 0.072 |
| STD DS10            | Standard                         | 14.4  | 151.3 | 154.4 | 364   | 2.1   | 72.5  | 12.8  | 862   | 2.62  | 45.1  | 2.8   | 80.8  | 7.8   | 72    | 2.3   | 10.0  | 12.0  | 48    | 1.07  | 0.072 |
| STD DS10            | Standard                         | 15.8  | 159.4 | 157.7 | 371   | 2.0   | 79.6  | 12.6  | 883   | 2.99  | 46.8  | 2.5   | 110.0 | 7.2   | 70    | 2.7   | 9.3   | 12.0  | 46    | 1.12  | 0.078 |
| STD DS10            | Standard                         | 15.3  | 159.0 | 152.4 | 367   | 1.9   | 75.1  | 13.4  | 872   | 2.81  | 45.9  | 3.0   | 80.0  | 8.5   | 71    | 2.6   | 10.5  | 12.5  | 48    | 1.09  | 0.074 |
| STD DS10            | Standard                         | 14.4  | 154.0 | 150.8 | 358   | 1.9   | 72.5  | 12.4  | 845   | 2.70  | 43.6  | 2.9   | 72.4  | 8.0   | 64    | 2.6   | 9.8   | 12.0  | 43    | 1.00  | 0.075 |
| STD DS10            | Standard                         | 15.2  | 157.4 | 158.7 | 384   | 2.0   | 79.8  | 13.2  | 898   | 2.83  | 47.4  | 2.7   | 78.2  | 7.8   | 70    | 2.8   | 10.8  | 12.4  | 38    | 1.06  | 0.077 |
| STD DS10            | Standard                         | 15.3  | 160.4 | 157.1 | 384   | 2.2   | 79.3  | 12.8  | 902   | 2.81  | 45.0  | 2.7   | 102.3 | 7.9   | 69    | 2.7   | 9.9   | 12.2  | 45    | 1.07  | 0.072 |
| STD DS10            | Standard                         | 15.4  | 149.4 | 153.3 | 365   | 2.0   | 73.7  | 12.2  | 842   | 2.61  | 45.2  | 2.7   | 80.9  | 7.9   | 66    | 2.4   | 10.2  | 12.0  | 46    | 1.03  | 0.071 |
| STD DS10            | Standard                         | 15.0  | 157.2 | 151.4 | 372   | 1.9   | 75.7  | 12.6  | 874   | 2.68  | 44.7  | 2.7   | 111.9 | 7.6   | 64    | 2.6   | 9.8   | 11.9  | 50    | 1.06  | 0.069 |
| STD OXC109          | Standard                         | 1.6   | 37.6  | 11.3  | 42    | <0.1  | 73.5  | 20.2  | 407   | 2.83  | <0.5  | 0.7   | 202.0 | 1.5   | 143   | <0.1  | <0.1  | <0.1  | 52    | 0.65  | 0.098 |
| STD OXC109          | Standard                         | 1.7   | 32.8  | 11.1  | 40    | <0.1  | 68.4  | 19.0  | 410   | 2.79  | <0.5  | 0.6   | 209.2 | 1.4   | 157   | <0.1  | <0.1  | <0.1  | 54    | 0.73  | 0.102 |

Bureau Veritas Commodities Canada Ltd.

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## QUALITY CONTROL REPORT

WHI14000101.1

|                     | Method<br>Analyte<br>Unit<br>MDL | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 | AQ201 |
|---------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                     |                                  | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|                     |                                  | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|                     |                                  | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 1345684             | Soil                             | 15    | 55    | 0.91  | 220   | 0.077 | 1     | 1.86  | 0.011 | 0.07  | 0.1   | 0.02  | 4.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| REP 1345684         | QC                               | 14    | 55    | 0.92  | 216   | 0.077 | 1     | 1.83  | 0.011 | 0.07  | 0.1   | 0.02  | 4.3   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1349390             | Soil                             | 25    | 118   | 1.46  | 2682  | 0.018 | <1    | 2.32  | 0.014 | 0.11  | 0.2   | 0.02  | 7.8   | 0.1   | <0.05 | 7     | 2.5   | <0.2  |
| REP 1349390         | QC                               | 23    | 117   | 1.35  | 2615  | 0.017 | 2     | 2.21  | 0.013 | 0.11  | 0.2   | 0.01  | 7.4   | <0.1  | <0.05 | 7     | 3.3   | <0.2  |
| 1346978             | Soil                             | 8     | 42    | 0.96  | 142   | 0.071 | 2     | 1.89  | 0.015 | 0.07  | 0.1   | 0.04  | 6.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| REP 1346978         | QC                               | 9     | 40    | 0.92  | 149   | 0.070 | 3     | 1.89  | 0.014 | 0.07  | <0.1  | 0.04  | 6.1   | <0.1  | <0.05 | 6     | <0.5  | <0.2  |
| 1345586             | Soil                             | 20    | 28    | 0.46  | 171   | 0.088 | <1    | 1.24  | 0.020 | 0.07  | 0.3   | <0.01 | 3.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| REP 1345586         | QC                               | 19    | 27    | 0.45  | 166   | 0.079 | <1    | 1.19  | 0.018 | 0.07  | 0.3   | 0.02  | 3.4   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| 1334257             | Soil                             | 19    | 96    | 1.27  | 597   | 0.127 | <1    | 2.34  | 0.017 | 0.11  | 0.1   | 0.06  | 7.3   | 0.2   | <0.05 | 7     | 1.3   | <0.2  |
| REP 1334257         | QC                               | 20    | 95    | 1.26  | 606   | 0.125 | 1     | 2.30  | 0.017 | 0.12  | 0.1   | 0.05  | 7.4   | 0.2   | <0.05 | 7     | 2.3   | <0.2  |
| 1345772             | Soil                             | 13    | 21    | 1.09  | 56    | 0.037 | <1    | 2.14  | 0.009 | 0.05  | <0.1  | 0.01  | 5.3   | <0.1  | <0.05 | 11    | <0.5  | <0.2  |
| REP 1345772         | QC                               | 13    | 21    | 1.05  | 55    | 0.033 | 3     | 2.08  | 0.009 | 0.05  | <0.1  | 0.02  | 5.0   | <0.1  | <0.05 | 11    | <0.5  | <0.2  |
| 1345521             | Soil                             | 11    | 32    | 0.79  | 240   | 0.126 | <1    | 1.89  | 0.022 | 0.17  | 0.2   | 0.02  | 5.0   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| REP 1345521         | QC                               | 10    | 31    | 0.77  | 234   | 0.128 | 2     | 1.85  | 0.022 | 0.17  | 0.1   | 0.02  | 5.1   | <0.1  | <0.05 | 7     | <0.5  | <0.2  |
| 1346996             | Soil                             | 12    | 33    | 1.62  | 321   | 0.310 | 2     | 2.47  | 0.008 | 1.04  | 0.1   | 0.01  | 15.6  | 0.4   | <0.05 | 10    | 1.6   | <0.2  |
| REP 1346996         | QC                               | 11    | 33    | 1.50  | 306   | 0.288 | <1    | 2.28  | 0.008 | 0.99  | 0.1   | 0.01  | 15.1  | 0.4   | <0.05 | 10    | 0.9   | <0.2  |
| Reference Materials |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| STD DS10            | Standard                         | 18    | 58    | 0.80  | 366   | 0.087 | 7     | 1.01  | 0.066 | 0.31  | 3.4   | 0.27  | 3.2   | 5.1   | 0.27  | 4     | 2.5   | 5.3   |
| STD DS10            | Standard                         | 19    | 55    | 0.79  | 356   | 0.084 | 6     | 1.05  | 0.065 | 0.33  | 3.2   | 0.29  | 2.9   | 5.2   | 0.23  | 4     | 2.4   | 5.3   |
| STD DS10            | Standard                         | 17    | 56    | 0.79  | 364   | 0.085 | 7     | 1.08  | 0.066 | 0.33  | 3.2   | 0.30  | 2.7   | 5.1   | 0.23  | 4     | 1.9   | 5.2   |
| STD DS10            | Standard                         | 19    | 57    | 0.76  | 366   | 0.081 | 7     | 1.07  | 0.070 | 0.34  | 3.6   | 0.31  | 3.0   | 5.3   | 0.26  | 5     | 2.4   | 5.3   |
| STD DS10            | Standard                         | 17    | 53    | 0.75  | 335   | 0.074 | 7     | 0.97  | 0.065 | 0.32  | 3.2   | 0.29  | 2.8   | 5.0   | 0.23  | 4     | 2.3   | 5.0   |
| STD DS10            | Standard                         | 18    | 58    | 0.85  | 373   | 0.082 | 8     | 1.07  | 0.072 | 0.34  | 3.8   | 0.30  | 2.9   | 5.1   | 0.30  | 5     | 3.7   | 5.4   |
| STD DS10            | Standard                         | 19    | 56    | 0.81  | 358   | 0.081 | 7     | 1.06  | 0.068 | 0.34  | 3.8   | 0.28  | 3.0   | 5.1   | 0.27  | 4     | 2.2   | 5.4   |
| STD DS10            | Standard                         | 18    | 55    | 0.78  | 358   | 0.076 | 8     | 1.04  | 0.068 | 0.33  | 3.2   | 0.31  | 2.9   | 4.9   | 0.20  | 4     | 1.3   | 5.3   |
| STD DS10            | Standard                         | 17    | 57    | 0.76  | 338   | 0.074 | 5     | 1.01  | 0.066 | 0.32  | 3.2   | 0.29  | 2.9   | 5.0   | 0.24  | 5     | 1.9   | 5.1   |
| STD OXC109          | Standard                         | 13    | 59    | 1.40  | 54    | 0.376 | <1    | 1.50  | 0.653 | 0.39  | 0.2   | <0.01 | 0.9   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |
| STD OXC109          | Standard                         | 12    | 57    | 1.40  | 56    | 0.377 | <1    | 1.49  | 0.645 | 0.41  | 0.2   | <0.01 | 1.0   | <0.1  | <0.05 | 5     | <0.5  | <0.2  |

## QUALITY CONTROL REPORT

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|                     |          | AQ201<br>Mo<br>ppm<br>0.1 | AQ201<br>Cu<br>ppm<br>0.1 | AQ201<br>Pb<br>ppm<br>0.1 | AQ201<br>Zn<br>ppm<br>1 | AQ201<br>Ag<br>ppm<br>0.1 | AQ201<br>Ni<br>ppm<br>0.1 | AQ201<br>Co<br>ppm<br>0.1 | AQ201<br>Mn<br>ppm<br>1 | AQ201<br>Fe<br>%<br>0.01 | AQ201<br>As<br>ppm<br>0.5 | AQ201<br>U<br>ppm<br>0.1 | AQ201<br>Au<br>ppb<br>0.5 | AQ201<br>Th<br>ppm<br>0.1 | AQ201<br>Sr<br>ppm<br>1 | AQ201<br>Cd<br>ppm<br>0.1 | AQ201<br>Sb<br>ppm<br>0.1 | AQ201<br>Bi<br>ppm<br>0.1 | AQ201<br>V<br>ppm<br>2 | AQ201<br>Ca<br>%<br>0.01 | AQ201<br>P<br>%<br>0.001 |
|---------------------|----------|---------------------------|---------------------------|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------|-------------------------|--------------------------|---------------------------|--------------------------|---------------------------|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------|--------------------------|--------------------------|
| STD OXC109          | Standard | 1.3                       | 35.3                      | 11.0                      | 38                      | <0.1                      | 73.5                      | 18.5                      | 369                     | 2.95                     | 0.6                       | 0.6                      | 192.8                     | 1.3                       | 137                     | <0.1                      | <0.1                      | <0.1                      | 48                     | 0.66                     | 0.105                    |
| STD OXC109          | Standard | 1.5                       | 34.6                      | 12.2                      | 42                      | <0.1                      | 70.8                      | 19.4                      | 407                     | 2.92                     | 0.5                       | 0.7                      | 195.3                     | 1.6                       | 143                     | <0.1                      | <0.1                      | <0.1                      | 52                     | 0.70                     | 0.105                    |
| STD OXC109          | Standard | 1.5                       | 37.2                      | 11.5                      | 39                      | <0.1                      | 72.8                      | 19.4                      | 382                     | 2.78                     | 0.5                       | 0.7                      | 198.6                     | 1.6                       | 125                     | <0.1                      | <0.1                      | <0.1                      | 50                     | 0.62                     | 0.104                    |
| STD OXC109          | Standard | 1.4                       | 34.6                      | 11.3                      | 44                      | <0.1                      | 77.2                      | 19.0                      | 421                     | 2.75                     | <0.5                      | 0.6                      | 210.4                     | 1.4                       | 143                     | <0.1                      | <0.1                      | <0.1                      | 47                     | 0.64                     | 0.106                    |
| STD OXC109          | Standard | 1.4                       | 37.4                      | 11.1                      | 45                      | <0.1                      | 75.2                      | 20.6                      | 449                     | 3.04                     | <0.5                      | 0.6                      | 228.5                     | 1.5                       | 150                     | <0.1                      | <0.1                      | <0.1                      | 64                     | 0.71                     | 0.111                    |
| STD OXC109          | Standard | 1.6                       | 38.2                      | 11.6                      | 44                      | <0.1                      | 74.5                      | 20.0                      | 442                     | 2.97                     | 0.7                       | 0.6                      | 205.2                     | 1.6                       | 148                     | <0.1                      | <0.1                      | <0.1                      | 53                     | 0.74                     | 0.107                    |
| STD OXC109          | Standard | 1.2                       | 36.7                      | 11.4                      | 41                      | <0.1                      | 71.5                      | 17.8                      | 401                     | 2.68                     | <0.5                      | 0.6                      | 210.9                     | 1.4                       | 141                     | <0.1                      | <0.1                      | <0.1                      | 58                     | 0.67                     | 0.099                    |
| STD DS10 Expected   |          | 14.69                     | 154.61                    | 150.55                    | 370                     | 2.02                      | 74.6                      | 12.9                      | 875                     | 2.7188                   | 43.7                      | 2.59                     | 91.9                      | 7.5                       | 67.1                    | 2.49                      | 8.23                      | 11.65                     | 43                     | 1.0625                   | 0.073                    |
| STD OXC109 Expected |          | 201                       |                           |                           |                         |                           |                           |                           |                         |                          |                           |                          |                           |                           |                         |                           |                           |                           |                        |                          |                          |
| BLK                 | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | 6                      | <0.01                    | <0.001                   |
| BLK                 | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | 5                      | <0.01                    | <0.001                   |
| BLK                 | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK                 | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK                 | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK                 | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | 0.2                       | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK                 | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | 7                      | <0.01                    | <0.001                   |
| BLK                 | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |
| BLK                 | Blank    | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <1                      | <0.01                    | <0.5                      | <0.1                     | <0.5                      | <0.1                      | <1                      | <0.1                      | <0.1                      | <0.1                      | <2                     | <0.01                    | <0.001                   |

## QUALITY CONTROL REPORT

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|                     |          | AQ201<br>La<br>ppm | AQ201<br>Cr<br>ppm | AQ201<br>Mg<br>% | AQ201<br>Ba<br>ppm | AQ201<br>Ti<br>% | AQ201<br>B<br>ppm | AQ201<br>Al<br>% | AQ201<br>Na<br>% | AQ201<br>K<br>% | AQ201<br>W<br>ppm | AQ201<br>Hg<br>ppm | AQ201<br>Sc<br>ppm | AQ201<br>Ti<br>ppm | AQ201<br>S<br>% | AQ201<br>Ga<br>ppm | AQ201<br>Se<br>ppm | AQ201<br>Te<br>ppm |
|---------------------|----------|--------------------|--------------------|------------------|--------------------|------------------|-------------------|------------------|------------------|-----------------|-------------------|--------------------|--------------------|--------------------|-----------------|--------------------|--------------------|--------------------|
|                     |          | 1                  | 1                  | 0.01             | 1                  | 0.001            | 1                 | 0.01             | 0.001            | 0.01            | 0.1               | 0.01               | 0.1                | 0.1                | 0.05            | 1                  | 0.5                | 0.2                |
| STD OXC109          | Standard | 12                 | 54                 | 1.44             | 58                 | 0.372            | 2                 | 1.43             | 0.711            | 0.41            | 0.2               | <0.01              | 0.8                | <0.1               | <0.05           | 5                  | <0.5               | <0.2               |
| STD OXC109          | Standard | 13                 | 59                 | 1.42             | 56                 | 0.376            | 2                 | 1.44             | 0.665            | 0.40            | 0.2               | <0.01              | 1.2                | <0.1               | <0.05           | 5                  | <0.5               | <0.2               |
| STD OXC109          | Standard | 13                 | 57                 | 1.39             | 54                 | 0.350            | <1                | 1.44             | 0.609            | 0.41            | 0.2               | <0.01              | 1.4                | <0.1               | <0.05           | 5                  | <0.5               | <0.2               |
| STD OXC109          | Standard | 12                 | 57                 | 1.38             | 56                 | 0.369            | 1                 | 1.48             | 0.665            | 0.42            | 0.2               | <0.01              | 0.9                | <0.1               | <0.05           | 5                  | 1.1                | <0.2               |
| STD OXC109          | Standard | 13                 | 60                 | 1.42             | 57                 | 0.391            | 2                 | 1.52             | 0.669            | 0.42            | 0.2               | <0.01              | 0.9                | <0.1               | 0.07            | 6                  | <0.5               | <0.2               |
| STD OXC109          | Standard | 13                 | 62                 | 1.39             | 58                 | 0.396            | <1                | 1.54             | 0.674            | 0.41            | 0.2               | <0.01              | 1.2                | <0.1               | <0.05           | 5                  | <0.5               | <0.2               |
| STD OXC109          | Standard | 12                 | 57                 | 1.29             | 54                 | 0.359            | <1                | 1.40             | 0.615            | 0.41            | 0.1               | <0.01              | 0.8                | <0.1               | <0.05           | 5                  | <0.5               | <0.2               |
| STD DS10 Expected   |          | 17.5               | 54.6               | 0.775            | 359                | 0.0817           |                   | 1.0259           | 0.067            | 0.338           | 3.32              | 0.3                | 2.8                | 5.1                | 0.29            | 4.3                | 2.3                | 5.01               |
| STD OXC109 Expected |          |                    |                    |                  |                    |                  |                   |                  |                  |                 |                   |                    |                    |                    |                 |                    |                    |                    |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | 0.2                | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | <0.1               | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |
| BLK                 | Blank    | <1                 | <1                 | <0.01            | <1                 | <0.001           | <1                | <0.01            | <0.001           | <0.01           | <0.1              | <0.01              | 0.1                | <0.1               | <0.05           | <1                 | <0.5               | <0.2               |

## 7.6 Appendix 6: Statement of expenditure.

**Yukon**  
Energy, Mines and Resources

QUARTZ MINING ACT FORM 4, SECTION 56  
**APPLICATION FOR A CERTIFICATE OF WORK**  
Version française

I, David L. Emmons,  
of Reno, Nevada, US  
Phone 1-303-802-1455  
make oath and say that:

Office Date Stamp

2. I have done, or caused to be done, work, on the following mineral claim(s): (Here list claims on which work was actually done by number and name)

Work was done on 63 claims: see attached list

situated at West of the Yukon River Claim sheet No. 115005 and 115N08  
in the Dawson Mining District, to the value of at least \$32,595.57 dollars,  
since the 2 day of July 20 14,  
to represent the following mineral claims under the authority of Grouping Certificate No. HD03322.  
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

See attached list RP Group: 325 claims

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 56).

Analitical Assays: Acme Lab.

Soil Geochem Survey: Ground Truth Exploration, Dawson

Transport: Trans North Helicopter, Dawson

Wages: David Emmons, Kinross Gold Corp. Project planing, map compilations of data and evaluation.

Sworn before me at Reno NV this 8<sup>th</sup> day of January 20 15.

Notary Public  
STATE OF NEVADA  
APPT No 13-98662  
MY APPT EXPIRES APR 30 2016

David L. Emmons  
Owner or Authorized Agent

Access to Information and Protection of Privacy Act  
The personal information requested on this form is collected under the authority of and used for the purpose of administering the Quartz Mining Act. Questions about the collection and use of this information can be directed to the Mining Records Office, Mineral Resources, Department of Energy, Mines and Resources, Yukon Government, Box 2703, Whitehorse, Yukon Territory, Y1A 2C6 (867) 667-3190

| Claims     | White Gold Project, Yukon | 2014-2015 Exploration Expenditures |              |              |             |
|------------|---------------------------|------------------------------------|--------------|--------------|-------------|
| RP         | Item                      | Number Samples                     | Cost         | Invoice      | Date        |
| 336 claims | Ground Truth-1            | 291                                | \$ 6,105.49  | GT-RP2014-01 | 22-Aug-2014 |
|            | Trans North Helicopters   |                                    | \$ 14,798.70 | 2593         | 15-Aug-2014 |
|            | Acme Labs                 |                                    | \$ 5,579.78  | VANI209334   | 23-Sep-2014 |
|            | Acme Labs                 | Pulp storage                       | \$ 505.80    | VANS204753   | 30-Jul-2014 |
|            | Acme Labs                 | Pulp storage                       | \$ 505.80    | VANS215958   | 8-Dec-2014  |
|            | Emmons - Salary/Time      |                                    | \$ 5,100.00  |              | 6 Days      |
|            | <b>Total</b>              |                                    | \$ 32,595.57 |              |             |
|            |                           |                                    | \$ 33,600.00 | Required     |             |
|            |                           |                                    | \$ 1,004.43  | Underspent   |             |

|                           |             |                               |
|---------------------------|-------------|-------------------------------|
| Detail Emmons             | 2-Jul-2015  | Project planning and contract |
| Sr. Manager - Exploration | 15-Jul-2015 | Project planning and contract |
|                           | 31-Aug-2015 | Sample maps                   |
|                           | 21-Oct-2015 | Sample maps and assays        |
|                           | 12-Dec-2015 | Compile and plot sample maps  |
|                           | 15-Dec-2015 | Work certificate application  |

**KINROSS GOLD CORP. / SELENE HOLDING LP**  
**DAWSON MINING DISTRICT**  
**RP GROUP HD03322**

| Group              | Grant # | Claim Name | Claim Number | Renewal Date Requested | Annual Work Due | Annual Fees Due | Record Date | NTS Map | Mining District | Owner |
|--------------------|---------|------------|--------------|------------------------|-----------------|-----------------|-------------|---------|-----------------|-------|
| RP Group # HD03322 |         |            |              |                        | \$32,500.00     | \$1,625.00      |             |         |                 |       |

325 claims

|    |         |    |    |             |          |        |           |        |        |                          |
|----|---------|----|----|-------------|----------|--------|-----------|--------|--------|--------------------------|
| RP | YC97001 | RP | 1  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97002 | RP | 2  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97003 | RP | 3  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97004 | RP | 4  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97005 | RP | 5  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97006 | RP | 6  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97007 | RP | 7  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97008 | RP | 8  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97009 | RP | 9  | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97010 | RP | 10 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97011 | RP | 11 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97012 | RP | 12 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97013 | RP | 13 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97014 | RP | 14 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97015 | RP | 15 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97016 | RP | 16 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97017 | RP | 17 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97018 | RP | 18 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97019 | RP | 19 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97020 | RP | 20 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97021 | RP | 21 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97022 | RP | 22 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97023 | RP | 23 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97024 | RP | 24 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97025 | RP | 25 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97026 | RP | 26 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97027 | RP | 27 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97028 | RP | 28 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97029 | RP | 29 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97030 | RP | 30 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97031 | RP | 31 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97032 | RP | 32 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97033 | RP | 33 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97034 | RP | 34 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97035 | RP | 35 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97036 | RP | 36 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97037 | RP | 37 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97038 | RP | 38 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97039 | RP | 39 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97040 | RP | 40 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97041 | RP | 41 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97042 | RP | 42 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97043 | RP | 43 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97044 | RP | 44 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97045 | RP | 45 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97046 | RP | 46 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97047 | RP | 47 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97048 | RP | 48 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97049 | RP | 49 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97050 | RP | 50 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97051 | RP | 51 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97052 | RP | 52 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97053 | RP | 53 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97054 | RP | 54 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |

[illegible]

[illegible]

[illegible]

[illegible]

|    |         |    |     |             |          |        |           |        |        |                          |
|----|---------|----|-----|-------------|----------|--------|-----------|--------|--------|--------------------------|
| RP | YC97330 | RP | 330 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97331 | RP | 331 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97332 | RP | 332 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97333 | RP | 333 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97334 | RP | 334 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97335 | RP | 335 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |
| RP | YC97336 | RP | 336 | 15-Feb-2016 | \$100.00 | \$5.00 | 6/30/2009 | 115O05 | Dawson | Selene Holding LP - 100% |

QUARTZ MINING LAND USE REGULATION  
**APPLICATION FOR RENEWAL OF GRANT FOR QUARTZ MINING  
PAY IN LIEU**  
RÈGLEMENT SUR L'UTILISATION DES TERRES POUR L'EXPLOITATION DU QUARTZ  
**DEMANDE DE RENOUVELLEMENT DE LA CONCESSION D'EXPLOITATION  
DE QUARTZ – INDEMNITÉ DE PRÉAVIS**

MINING DISTRICT:  
DISTRICT MINIER DE : Dawson

CLIENT ID#:  
NUMÉRO D'IDENTIFICATION DU CLIENT : \_\_\_\_\_

APPLICANT'S NAME:  
NOM DU DEMANDEUR : Selene Holding LP a subsidiary of Kinross Gold Corp.

APPLICANT'S E-MAIL ADDRESS:  
ADRESSE COURRIEL DU DEMANDEUR : dave.emmons@kinross.com

APPLICANT'S TELEPHONE NUMBER:  
NUMÉRO DE TÉLÉPHONE DU DEMANDEUR : 1-303-802-1455

APPLICANT'S FAX NUMBER:  
NUMÉRO DE TÉLÉCOPIEUR DU DEMANDEUR : None

APPLICANT'S FULL MAILING ADDRESS:  
ADRESSE POSTALE DU DEMANDEUR : 9400 Gateway Drive, Suite C  
Apt. and Street or Box Number • Rue, app. ou C.P.

Reno, Nevada, USA 89521  
City • Ville Province/Territory • Province/Territoire Postal Code • Code postal

CLAIM OWNER(S) FULL NAME (if different from applicant):  
NOM DU PROPRIÉTAIRE DE LA CONCESSION (s'il n'est pas le demandeur) : \_\_\_\_\_

CLAIMS FOR RENEWAL • CONCESSION(S) VISÉE(S) PAR LE RENOUVELLEMENT

| CLAIM NAME<br>NOM(S) DE LA(DES)<br>CONCESSION(S) | GRANT NUMBER<br>NUMÉRO(S) DE<br>CONCESSION(S) | RENEWAL TO<br>RENOUVELLEMENT | OWNER<br>PROPRIÉTAIRE |
|--------------------------------------------------|-----------------------------------------------|------------------------------|-----------------------|
| RP Claims (see attached)                         | See attachment                                | February 15, 2016            | Selene Holding LP     |
|                                                  |                                               |                              |                       |
|                                                  |                                               |                              |                       |
|                                                  |                                               |                              |                       |
|                                                  |                                               |                              |                       |
|                                                  |                                               |                              |                       |
|                                                  |                                               |                              |                       |
|                                                  |                                               |                              |                       |
|                                                  |                                               |                              |                       |

Dans le présent document, les expressions désignant des personnes visent à la fois les hommes et les femmes.

*David L. Emmons*  
David L. Emmons

Jan. 8, 2015

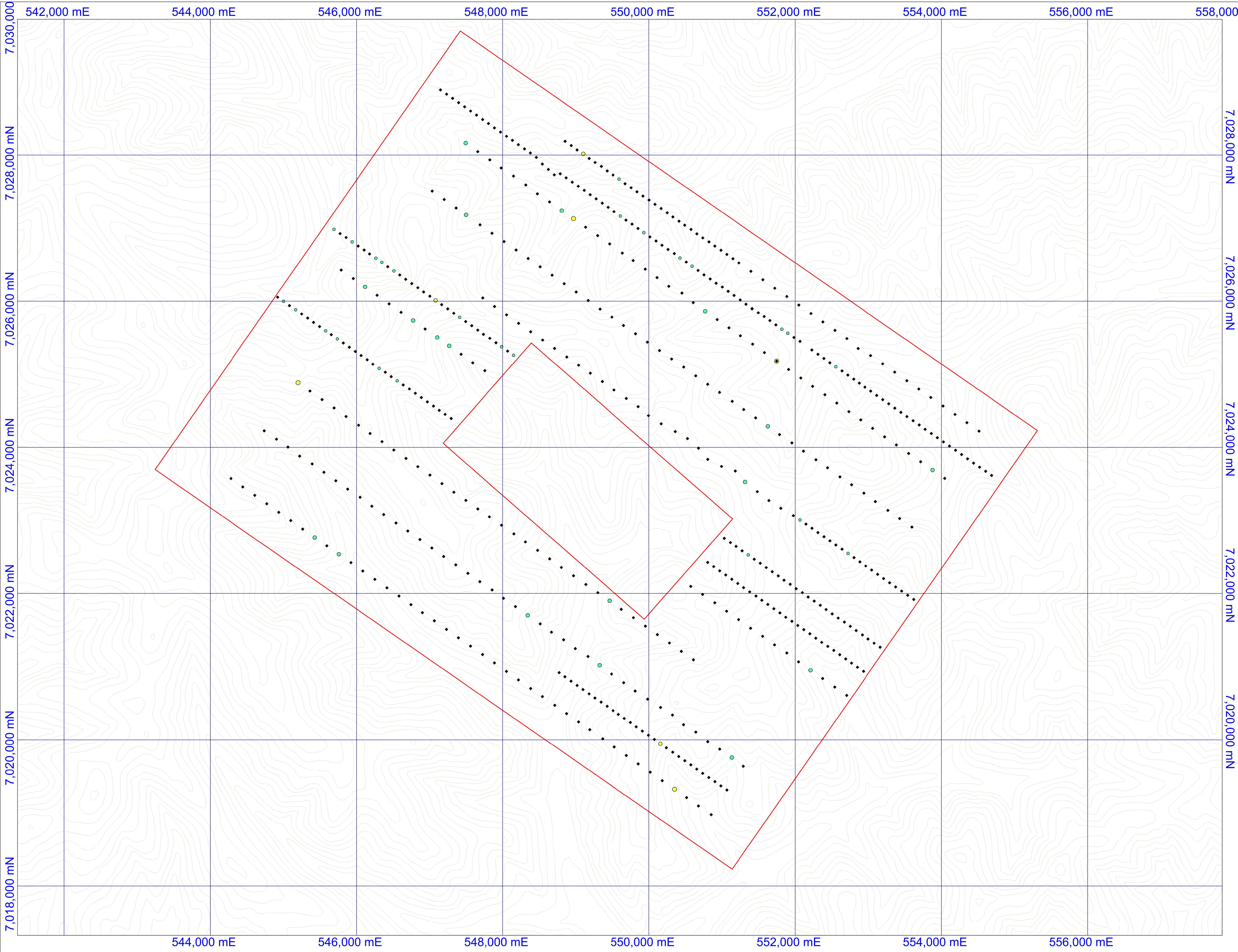
**KINROSS GOLD CORP. / SELENE HOLDING LP  
DAWSON MINING DISTRICT  
RP GROUP HD03322**

| Group              | Grant # | Claim Name | Claim Number | Expiry Date | Annual Work Due | Annual Fees Due | Record Date | NTS Map | Mining District | Owner |
|--------------------|---------|------------|--------------|-------------|-----------------|-----------------|-------------|---------|-----------------|-------|
| RP Group # HD03322 |         |            |              |             | \$1,100.00      | \$55.00         |             |         |                 |       |

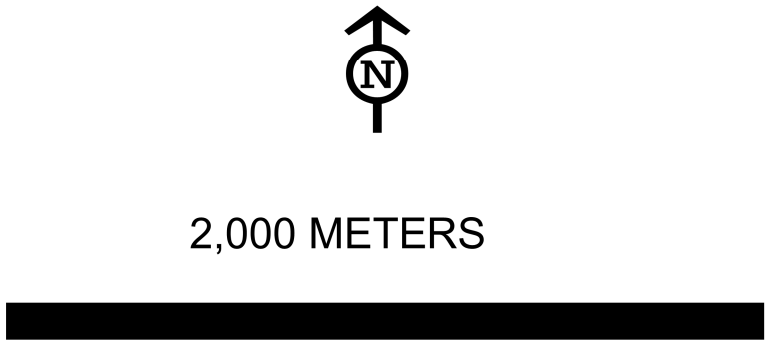
**11 claims**

|    |         |    |     |             |          |        |           |        |        |                          |
|----|---------|----|-----|-------------|----------|--------|-----------|--------|--------|--------------------------|
| RP | YC97295 | RP | 295 | 15-Feb-2015 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97296 | RP | 296 | 15-Feb-2015 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97297 | RP | 297 | 15-Feb-2015 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97298 | RP | 298 | 15-Feb-2015 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97299 | RP | 299 | 15-Feb-2015 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97300 | RP | 300 | 15-Feb-2015 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97301 | RP | 301 | 15-Feb-2015 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97302 | RP | 302 | 15-Feb-2015 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97303 | RP | 303 | 15-Feb-2015 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97304 | RP | 304 | 15-Feb-2015 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |
| RP | YC97305 | RP | 305 | 15-Feb-2015 | \$100.00 | \$5.00 | 6/30/2009 | 115N08 | Dawson | Selene Holding LP - 100% |

## 7.7 Appendix 7: Thematic maps for Au.



Yellow\_RP\_2013\_Soil\_Survey\_WG\_by Au\_PPB  
● 10 to 30 (8)  
● 5 to 10 (54)  
◆ -999 to 5 (420)  
Yellow\_RP\_2014SoilsMerged\_dle by Au\_PPB  
Au PPB Soil Samples  
● 30 to 100  
● 10 to 30  
● 5 to 10  
● -999 to 5



SELENE HOLDING LP / KINROSS GOLD CORP  
RP CLAIM GROUP HD03322  
Claims Sheet Nos. 115O05 & 115N08  
Yukon Territory  
Au PPB SOILS AND CLAIM OUTLINE  
David L. Emmons  
May 14, 2015  
SCALE 1:20,000  
UTM Grid NAD 1983, Zone 7

## 7.8 Appendix 8: Digital copy.