

YMEP Project 17-064
Target Evaluation – Hard Rock

Final Report

2017 SOIL GEOCHEMISTRY REPORT

on the

EUREKA DOME PROPERTY

Owned by Pacific Ridge Exploration

UTM Zone 7 – NAD 83
NTS Sheets 1150/07 and 1150/10,
Latitude 63° 30' N, Longitude 138° 47' W
Dawson Mining District
Yukon, Canada

Work Performed during the period July 27 to August 4, 2017

Report by

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October 4, 2017

TABLE OF CONTENTS

TABLE OF CONTENTS	2
LIST OF FIGURES	2
LIST OF TABLES	2
APPENDICES.....	3
SUMMARY	4
INTRODUCTION	5
TARGET	5
PROJECT LOCATION.....	5
ACCESS.....	6
PROJECT DESCRIPTION	7
PROJECT HISTORY.....	8
PROPERTY GEOLOGY	10
Alteration and Mineralization	12
2017 FIELD PROGRAM.....	12
Soil Geochemistry.....	13
Sampling Protocol and Data Handling Procedures	13
Soil Sample Results.....	14
CONCLUSIONS	21
RECOMMENDATIONS.....	22
PROJECT EXPENDITURES	22
REFERENCES CITED	23

LIST OF FIGURES

Figure 1. Eureka Dome project location.....	6
Figure 2. Eureka Dome claim map.....	7
Figure 3. Eureka Dome geology, northwest claims area.....	11
Figure 4. Ridge and spur gold anomalies and epithermal alteration zone.....	12
Figure 5. 2016 and 2017 soil grids.....	13
Figure 6. 2017 soil grid and sample numbers.....	15
Figure 7. Gold soil geochemistry, 2016 and 2017 surveys.....	16
Figure 8. Arsenic soil geochemistry, 2016 and 2017 surveys.....	16
Figure 9. Antimony soil geochemistry, 2016 and 2017 surveys.....	17
Figure 10. Bismuth soil geochemistry, 2016 and 2017 surveys.....	17
Figure 11. Molybdenum soil geochemistry, 2016 and 2017 surveys.....	18
Figure 12. Selenium soil geochemistry, 2016 and 2017 surveys.....	18
Figure 13. Mercury soil geochemistry, 2016 and 2017 surveys.....	19
Figure 14. Soil geochemical compilation, gold and pathfinders, overlaid on geology.....	20

LIST OF TABLES

Table 1 –EU and Moose claim groups.....	7
Table 2. Threshold percentile values for gold and pathfinder elements.....	14

APPENDICES

- Appendix I CLAIMS LIST
- Appendix II SUMMARY SOIL GEOCHEMICAL RESULTS
- Appendix III SOIL ANALYTICAL CERTIFICATES
- Appendix IV INVOICES

SUMMARY

This report describes exploration work carried out by Pacific Ridge Exploration Ltd. (“Pacific Ridge”) under Yukon Government YMEP agreement number 17-064. The work included 8 days of soil sampling (1,346 samples) during the period July 27 to August 4, 2017 by Ground Truth Exploration Inc. (“Ground Truth”) of Dawson.

The Eureka Dome project area has received gold exploration attention since placer gold was first discovered in Eureka Creek in 1896. Modern exploration dates to the 1980’s, when the GSC published a strongly anomalous gold silt geochemical result from Eureka Creek. However, this work has been restricted to relatively small surface prospecting and sampling programs. No drilling is recorded on the property. In 2016, Pacific Ridge commenced a detailed exploration program in the northwestern corner of the Property. This program included mapping and soil sampling on a grid with 50 m spaced samples on 100 m spaced lines. The mapping program identified surface alteration and mineralization related to local zones of silicification and brecciation. The soil geochemical survey identified several multi-element anomalous trends but no strong gold zones.

In 2017, this program was extended to the south to cover the entire extent of the Eureka Creek drainage basin with the soil grid. The survey identified a multi-element anomaly in the southern part of the grid area called the NW Ridge Anomaly. Although the gold values in this anomaly are rather weak, the anomaly is strongly defined by pathfinder elements, especially As, Sb and Hg. While the overall anomaly trends northwest, internal northeasterly trends of more strongly anomalous values can be seen to follow bands of quartzite, while intervening bands of felsic orthogneiss are less strongly anomalous. This suggests that the overall control on the mineralized source that is causing this anomaly is likely structural, related to the northwest trending Eureka Creek fault, while the north to northeast trending quartzite unit provides a better host for the mineralized structures than does the intervening orthogneiss.

Further work is recommended to determine the source of the NW Ridge Anomaly including detailed prospecting, mapping and sampling, including silt sampling upstream from the known anomalies and hand trenching guided by the 2017 soil survey results.

INTRODUCTION

Placer mining activity in Eureka Creek dates to the 1896 gold rush. Original claims in the area were staked to cover the probable source area of an anomalous GSC reconnaissance stream sediment sample containing 89 ppb Au, 38 ppm As, 0.8 ppm Sb and 110 ppb Hg collected from the headwaters of Eureka Creek.

Pacific Ridge staked the EU and Moose claims in 2009 and carried out an exploration program consisting of prospecting, geological mapping and rock sampling. During the summer of 2011, Pacific Ridge completed a ridge and spur reconnaissance, auger soil sampling program on the Property, collection of 988 soil samples. These programs indicated the potential for a high level epithermal style alteration system with anomalous arsenic, mercury, barium, antimony and gold values occurring within silicified and brecciated metasedimentary rocks (Norman, 2010; Ash, 2010; Heberlein, 2012).

No further work was carried out on the property until 2016 when Pacific Ridge completed a program of mapping and soil sampling on a grid with 50 m spaced samples on 100 m spaced lines in the northwestern corner of the property. The mapping program identified surface alteration and mineralization related to local zones of silicification and brecciation. The soil geochemical survey identified several multi-element anomalous trends but no strong gold zones.

In 2017, Pacific Ridge applied for and received Yukon Government YMEP support (17-064). The 2017 exploration field program included the collection of 1,346 soil samples by Ground Truth, extending the 2016 soil grid to the south, covering the remaining portion of the upper Eureka Creek drainage. Expenditures for the program amounted to \$79,117.98.

TARGET

Placer gold occurrences have been documented in most of the creeks draining all sides of Eureka Dome since the 1898 Klondike gold rush. More recently, Fine Gold Resources (Mike Heisey) has been mining near the headwaters of Eureka Creek, just outside the boundaries of the Eureka Dome claim block, with good production (Jeff Bond, pers. comm.). The target for the current program is the bedrock source for this placer gold; potentially a structurally controlled gold deposit such as those being delineated elsewhere in the White Gold District.

LOCATION

The Eureka Dome property is located approximately 70 km south–southeast of Dawson City, 366 km northwest of Whitehorse and approximately 55 km north of the White Gold discovery in Yukon’s Stewart River-Klondike goldfield area. The Property covers Eureka Dome.

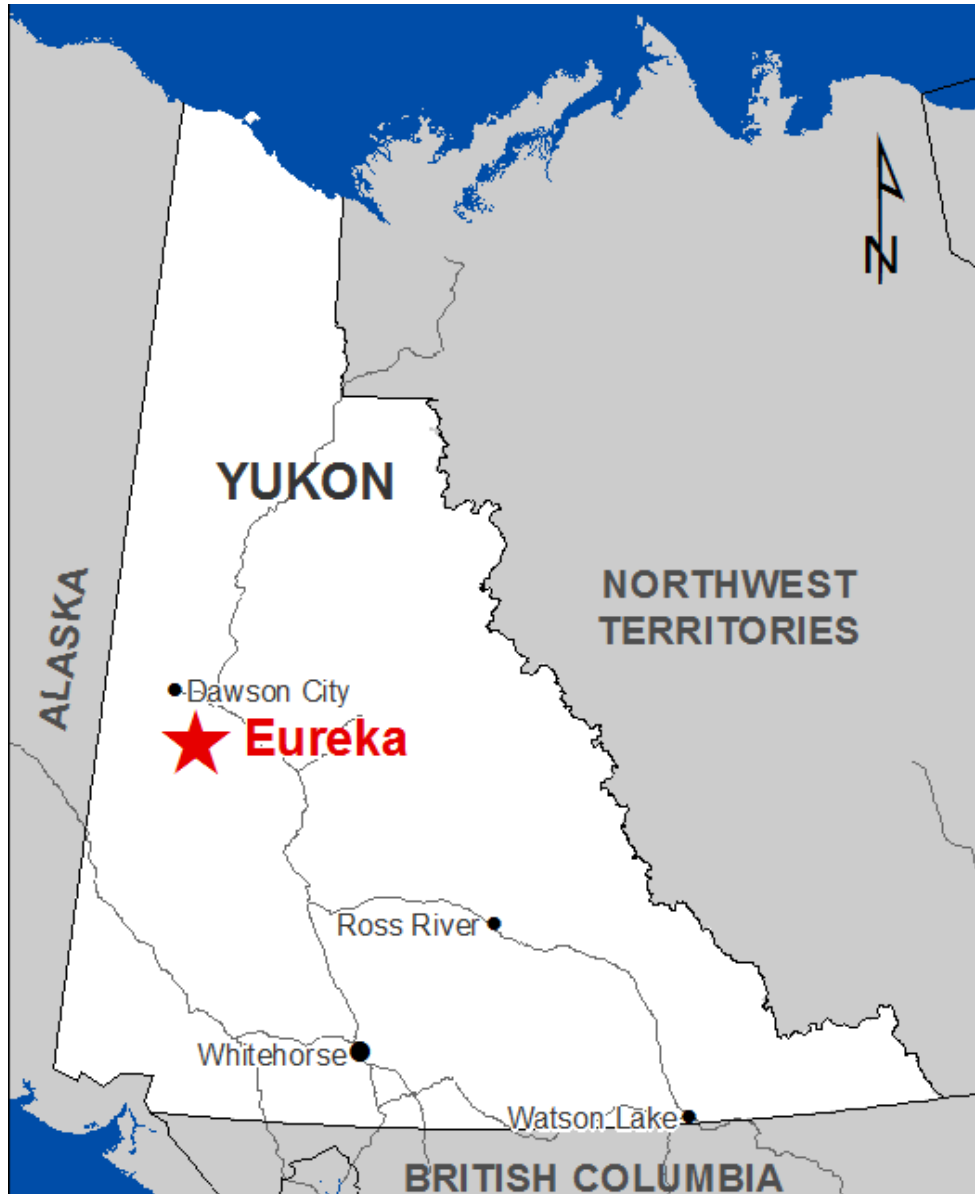


Figure 1. Eureka Dome project location.

ACCESS

The property is accessible during the summer to fall months, via the Hunker Creek – South Klondike road system and more locally by the rough Black Hills mining road, or by helicopter from Dawson City. Most parts of the property are accessible by truck and ATV but the southern EU and Moose claims require a helicopter for access.

For the 2017 program, the Ground Truth crew accessed the project by helicopter and by truck from Dawson, utilizing a staging area on Black Hills road. The crew camped on a ridge in the southern part of the 2017 soil grid area, as shown on Figure 2.

PROJECT DESCRIPTION

Pacific Ridge Exploration Ltd. ("Pacific Ridge") holds a 100% interest in 156 Moose and EU quartz claims, covering approximately 32 km² (Table I). The Property is located within the Dawson Mining District. Figure 2 shows the current Pacific Ridge claim holdings for the Property and the area of the 2017 work program.

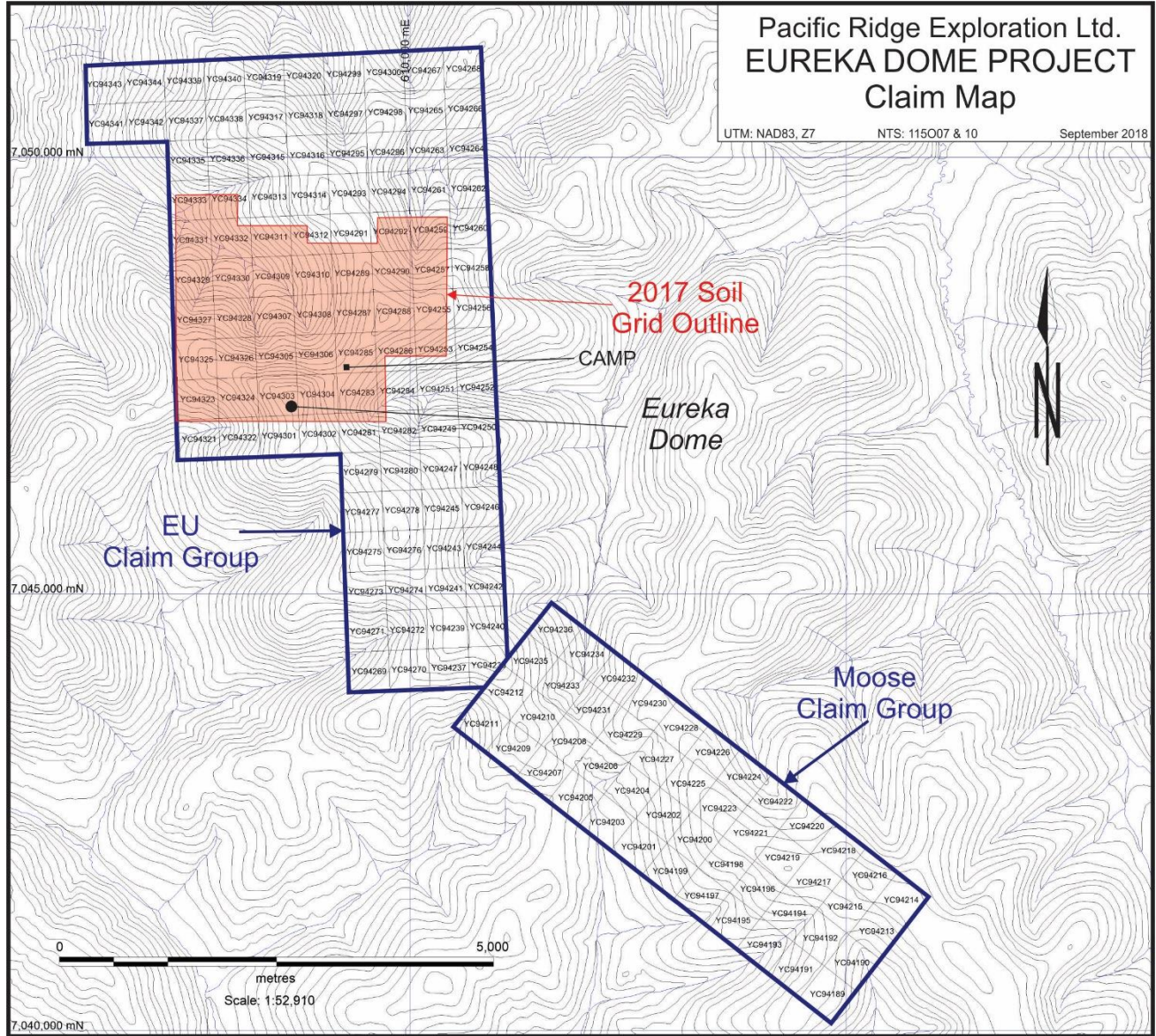


Figure 2. Eureka Dome claim map.

Table I –EU and Moose claim groups.

Claim Names	Grant Number	Expiry Date
Moose 1 to 48	YC94189 to 94236	4-Mar-2021
EU 1 to 108	YC94237 to YC94344	4-Mar-2021

The Property was staked to cover an area that contains the headwaters of some of the major placer gold bearing creeks within the southern part of the Klondike gold fields, including Eureka Creek and Black Hills Creek.

The property lies between the elevations of 488 and 1,524 m above sea level at the top of Eureka Dome. It runs along a northwest trending ridge line which is for the most part above tree line and is well-drained by tributaries of Black Hills Creek to the southwest, Eureka Creek to the north, Steel Creek to the northwest and Wounded Moose Creek to the east.

Permafrost is common on north slopes, as well as drainage floors. Ridge tops, and south facing slopes are generally devoid of any permafrost. In 2004, the Eureka Dome area was burned extensively. Where vegetation is mature, poplar is dominant in the valley bottoms which give way to black spruce and willows. Ridge tops are generally covered by buck brush, willow and juniper.

PROJECT HISTORY

The Property lies between the well explored and geologically complex Klondike gold field to the north and the Stewart River area to the south. Placer mining activity in Eureka Creek dates to the 1896 gold rush. During the period 1978-82, Eureka was the first-ranked placer creek in Yukon. The reported historical placer production from Eureka and Black Hills Creeks is estimated to be greater than 140,000 oz. Au (Yukon Placer database, 1978-1982).

Original claims in the area, just west of the Property in an area now known as the Eureka Claims, were staked to cover the probable source area of an anomalous GSC reconnaissance stream sediment sample containing 89 ppb Au, 38 ppm As, 0.8 ppm Sb and 110 ppb Hg collected from the headwaters of Eureka Creek (Minfile Occurrence 1150 057). Exploration work in 1988 by Dawson Eldorado Mines Ltd. and Wealth Resources Inc. defined three target areas consisting of north to northwest-trending fractures and breccias zones. This northwest-trending feature intersects both forks of Eureka Creek in areas of coarse placer gold mineralization and coincides with gold-in-soil anomalies with values up to 496 ppb. Samples across the central breccia zone returned values up to 520 ppm As and 180 ppb Au. Soil samples adjacent to the easternmost lineament returned values up to 155 ppb Au (Van Angeren, 1988).

Pearl Petroleum Corporation Ltd. re-staked the Eureka Claims property as the Clara claim group in 1992 and performed preliminary geological mapping as well as soil and rock sampling. The program identified several gold soil anomalies, the best of which strikes north-northeast and is at least 1.25 km long with an average width of 110 metres (Southam, 1993).

In 1993, prospector Jim Christie completed a reconnaissance work on the EG (now EU) and BP claims (Christie, 1994). Anomalous gold values were returned from silt samples collected from the head waters of Eureka Creek within the central portion of the EU claim block. Anomalous silt values include 900 ppb Au and 48 ppm Pb; 2190 ppb Au and 66 ppm Pb; 360 ppb Au and 76 ppm Pb. Approximately 600 m up-slope from the anomalous silts samples, anomalous values in soil and float samples returned up to 3390 ppm As, 17 ppm Hg and 72 ppm Sb. To the south, in Barite Pup and Childs Creek which drains the southern flank of the EU claims, a silt sample returned 170 ppb Au while soil samples returned 2390 ppb Au, 365 ppb Au and 340 ppb Au. A float sample up-slope from the silt location returned 0.414 opt Au (Christie, 1994).

In the fall of 1993 Wealth Resources Ltd. and Pacific Mariner Exploration Ltd. conducted limited soil sampling and minor trenching focusing on the north trending breccia fault zones near the headwaters of Eureka Creek within the Eureka Claims. The best soil sample returned 556 ppb Au and 0.3 ppm Ag. Ground geophysical surveying and deep trenching, utilizing bulldozers and excavators, was conducted in 1995 across selected areas with gold-in-soil anomalies and/or VLF-EM conductors. Assay result from the program returned up to 640 ppb Au over 2.0 m (Southam, 1995).

In 1999, Archer Cathro completed a comprehensive study of placer gold from Eureka Creek and Childs Gulch that suggested a local gold source. A silt sampling survey identified the area drained by upper Eureka Creek as a primary exploration target with 12 out of 16 samples returning values > 10 ppb Au with a peak value of 70 ppb Au (Wengzynowski, 2000).

The Eureka Joint Venture (Nordac Resources Ltd. and Expatriate Resources Ltd.) re-staked the Eureka Claims property in 1999. The joint venture carried out stream sediment, soil and rock sampling programs later in the year (Wengzynowski, 2000).

In 2002, Viceroy Resources completed a 380 m RC drill program on the Eureka Claims property with two holes on the Allen showing and one hole on the Wealth showing.

J.P Ross (2000) conducted exploration in 2000 through the Yukon Mining Incentive program. He collected float and bedrock samples, silt samples and heavy concentrates through panning of stream sediments. Most of the silt samples collected returned anomalous values of gold, antimony and mercury.

Strategic Metals explored Wealth and Childs showings on the Eureka Claims property in the summer of 2006. Exploration consisted of 1,151 m of excavator trenching, and 823 m of RC drilling. Five trenches across the Wealth showing exposed quartz breccias with alteration halos. Subsequent drilling focused on the breccias of the Wealth showing. Three trenches were excavated at the Childs showing designed to test gold-bearing zones exposed in a previous bulldozer trench. Results yielded weakly elevated gold content.

In 2009 Strategic Metals completed a soil sampling grid consisting of 3,609 soil samples at 50 x 100m spacing throughout the central part of the Eureka Claims property. Eighteen trenches totaling approximately 4,200 meters were completed: Four trenches at the Allen showing, three at the Childs showing, and eleven trenches in areas with no previous showings. The best result from the 2009 trenching program was 17.90 m grading 0.97 g/t Au in TR-09-01.

Pacific Ridge carried out an exploration program on the EU and Moose claims in 2009 consisting of prospecting, geological mapping and rock sampling. The program indicated the potential for a high level epithermal style alteration system with anomalous arsenic, mercury, barium, antimony and gold values occurring within silicified and brecciated metasedimentary rocks (Norman, 2010; Ash, 2010).

In 2010, Golden Predator completed a 27-hole reverse circulation drilling program totaling 2,961 meters on the Wealth and Childs showings (Bourne and Marino, 2011). The drilling was designed to test the down-dip continuity and a possible north-south extension of mineralized breccia systems exposed by trenching in 1999 and 2006 at the Wealth showing; and to follow-up on anomalous drilling and trenching results at the Childs showing. The 2010 drilling program on the Wealth Showing

consisted of 23 reverse circulation holes (EU-10- 01RC to EU-10-22RC, and EU-10-27RC), totaling 2,423 meters. Significant intersections from the Wealth showing are shown in Table III.

In 2011, Pacific Ridge completed a ridge and spur reconnaissance, auger soil sampling program on the Property, including the collection of 988 soil samples. Also in 2011, Golden Predator completed an exploration program on the Eureka Claims property. The program included prospecting of all the roads, trails and active placer areas and channel sampling near a quartz vein exposed in placer workings in Childs Gulch. A second phase included drilling of eight HQ3 diameter holes for a total of 1,188.11 m. Drilling focused on the Allen (one hole), north end of Wealth (2 holes) and Childs Gulch (5 holes) showings (Table V).

In 2016, Pacific Ridge carried out an exploration program included mapping of the northern portion of the claim group and soil sampling on a grid with 50 m spaced samples on 100 m spaced lines in the northwestern corner of the property (Carlson, 2016). The mapping program identified surface alteration and mineralization related to local zones of silicification and brecciation. The soil geochemical survey identified several multi-element anomalous trends but no strong gold zones.

PROPERTY GEOLOGY

The Property is within the Stewart River-Klondike goldfield area within the extensive Yukon-Tanana Terrane (YTT). The region is underlain by sequence of imbricated thrust panels consisting of polydeformed, late–Paleozoic aged metavolcanic and metasedimentary rocks which form part of the YTT on the southwest side of the Tintina Trench. The interlayered metasedimentary and metavolcanic rocks are stratigraphically transposed and are intruded by a variety of deformed metaplutonic rocks.

The Klondike Series is represented in the area by Klondike schist, which includes chlorite schist, felsic schist, quartz-feldspar augen schist and orthogneiss, derived from both volcanic and plutonic meta-igneous rocks of middle Permian age. The Yukon Group is represented by the Nasina series, consisting of thick, well foliated and schistose quartzite, micaceous quartzite, quartz-muscovite schist, and minor meta-conglomerate and meta-grit and marble.

The northwestern corner of the property, the area covered by the 2016 and 2017 soil surveys, was mapped by J. Pautler, as reported in Carlson (2016) (Figure 3). This portion of the Property is underlain by Devonian and older metasedimentary rocks of the Snowcap assemblage, with local marble horizons, intruded by felsic, commonly potassium feldspar augen bearing, orthogneiss of the Permian Sulphur Creek plutonic suite. The Snowcap assemblage primarily consists of quartzite, commonly graphitic, with minor biotite schist. Fine grained, thinly foliated chlorite schist underlies a folded section of quartzite in the northeast property area. The Permian orthogneiss primarily occurs at higher elevations on the property, underlying Eureka Dome and the ridge to the east and it also occurs as north-trending bands further west. These bands appear to be offset along a major sinistral strike slip fault along the upper Left Fork of Eureka Creek, with about 500m of displacement.

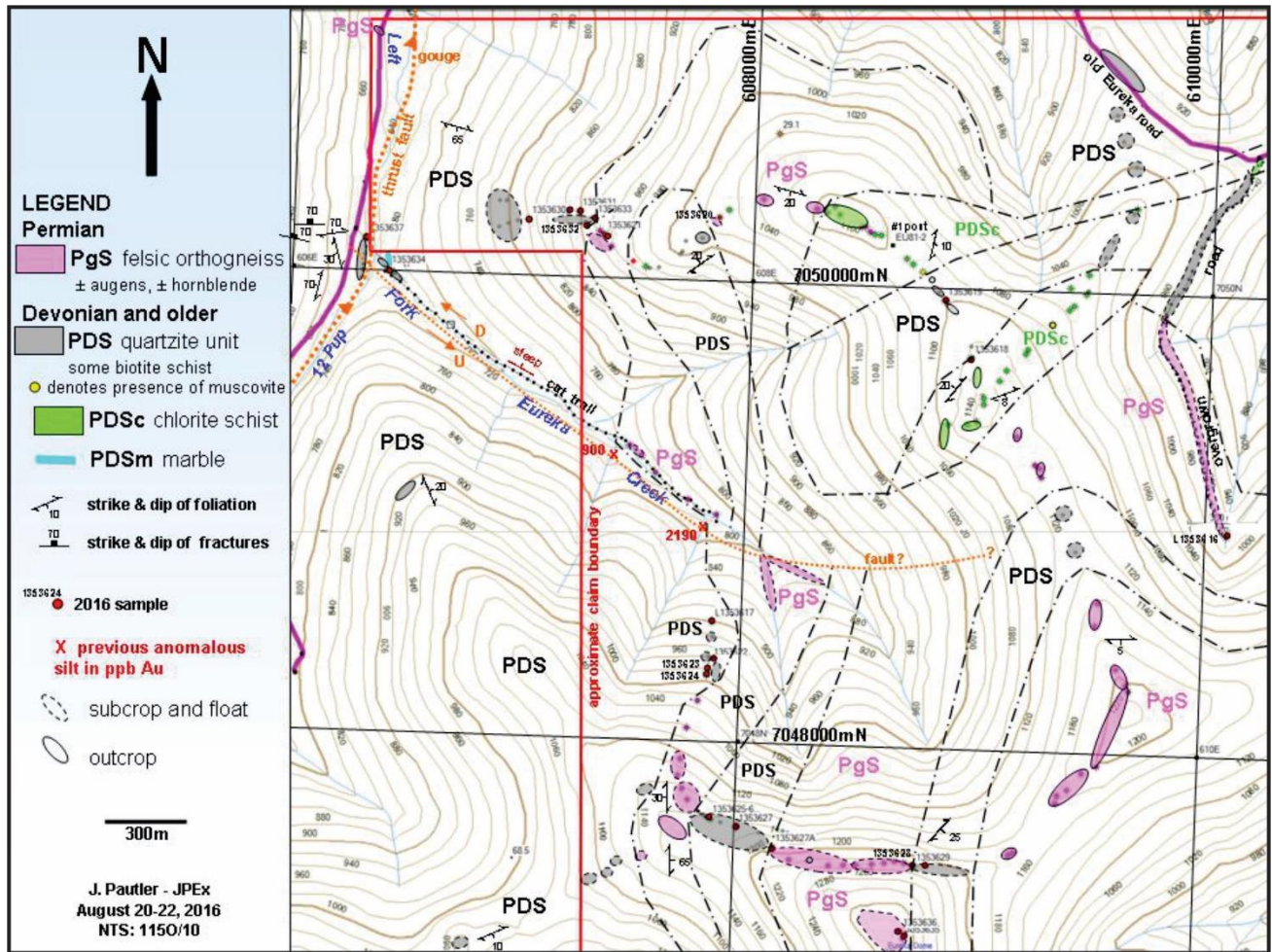


Figure 3. Eureka Dome geology, northwest claims area.

Mineralization consists of silicified metasedimentary rocks and breccias, commonly with limonite fracture fillings and cement. Locally the breccias include abundant quartz fragments, possibly of metamorphic origin. Quartz veins also occur with limonite fracture fillings. Alteration includes silicification, quartz veins \pm sheeted, \pm oxidized cubic pyrite, hematite, minor ankerite, and occasionally late clay. Mineralization and alteration appear to be structurally controlled.

The breccias and veins with limonite contain anomalous As, Hg and Sb, with Se, Te and Ag \pm Bi. The best gold value of 472.5 ppb was obtained from variably silicified limonitic biotite-quartz-feldspar schist with limonitic fracture fillings and oxidized cubic pyrite from a saddle area (1353619) and was accompanied by elevated mercury and selenium. The highest silver value was 8.3 ppm, accompanied by anomalous Sb, Bi and Te, from brecciated white quartz with vague remnant angular silicified graphitic quartzite clasts, thin limonite fracture fillings, and fine silvery needles that may be a silver-antimony-bismuth mineral. Arsenic and antimony values with elevated selenium and locally high mercury are common in the breccias with values typically a couple of hundred ppm As with anomalous Sb and commonly Se.

Pautler concludes that rock and soil geochemistry on the Eureka Dome property shows a concentration of the high-level pathfinder elements As, Hg and Sb, with Se, and Te. At Eureka Dome, a 2,190 ppb Au in silt value drains a tributary on the south side of the upper Left Fork of Eureka Creek. There is potential for exposure on the west bank here, but the source is probably proximal to the

upper Left Fork. Potential for bedrock gold mineralization exists proximal to structures at lower elevations within the Property.

Alteration and Mineralization

Within the White Gold district, ridge and spur sampling has been demonstrated to be an efficient and effective method for doing a first pass examination of the potential for mineralization. Figure 4 shows an interpretation of the ridge and spur sampling program completed by Heberlein (2012). An epithermal gold target is outlined by the area of red hatch marks, with a gold-mercury-molybdenum-arsenic signature. This area covers the northwest trending ridge in the south-central part of the property geology map (Figure 3). A 2,190 ppb Au in silt value occurs in a tributary on the south side of the upper Left Fork of Eureka Creek (Carlson, 2016), just north of this epithermal gold target.

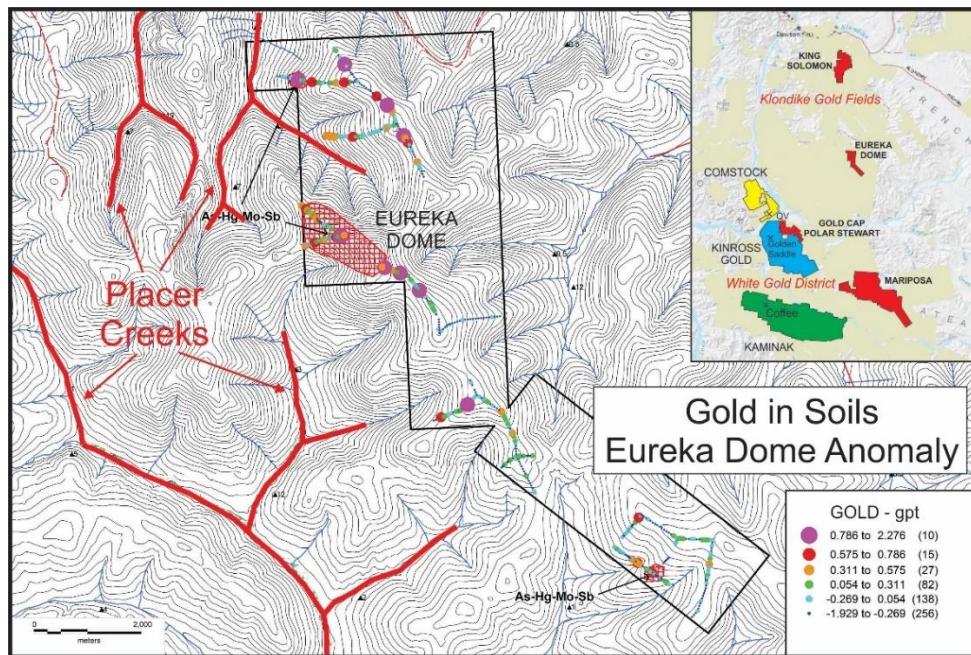


Figure 4. Ridge and spur gold anomalies and epithermal alteration zone.

2017 FIELD PROGRAM

The 2017 field program focused on the northwestern corner of the property, extending the 2016 soil grid to the south to cover the entire area of the Eureka Creek drainage (see Figure 5 for 2016 and 2017 coverage). During the period July 27 to August 4, 2017, a crew of 6 samplers from Ground Truth collected 1,346 soil samples on a grid with 50 m spaced samples on 100 m spaced lines. The crew was mobilized by Trans North Helicopters Astar D2 helicopter from Dawson and by truck from a staging area on the Black Hills road.

Results of this survey are described below. The soil grids for the 2016 and 2017 programs are shown in Figure 5, while sample numbers for the 2017 survey are shown in Figure 6. Summary analytical results for soils are included in Appendix II and analytical certificates are in Appendix III.

Soil Geochemistry

Sampling Protocol and Data Handling Procedures

Field technicians navigate to sample site using handheld GPS units. A C-Horizon sample is collected using an Eijlcamp brand hand auger at a depth of between 20cm and 110cm. Where necessary, in rocky or frozen ground, a mattock is used to obtain the sample. Photos are taken of the sample site 5m from sample hole with auger inserted. Typically, 400 to 500 g of soil is placed in a pre-labeled bag. An aluminum metal tag inscribed with the sample identification number is attached to a rock or branch in a visible area at the sample site along with a length of pink flagging tape. A field duplicate sample is taken once for every 25 samples.

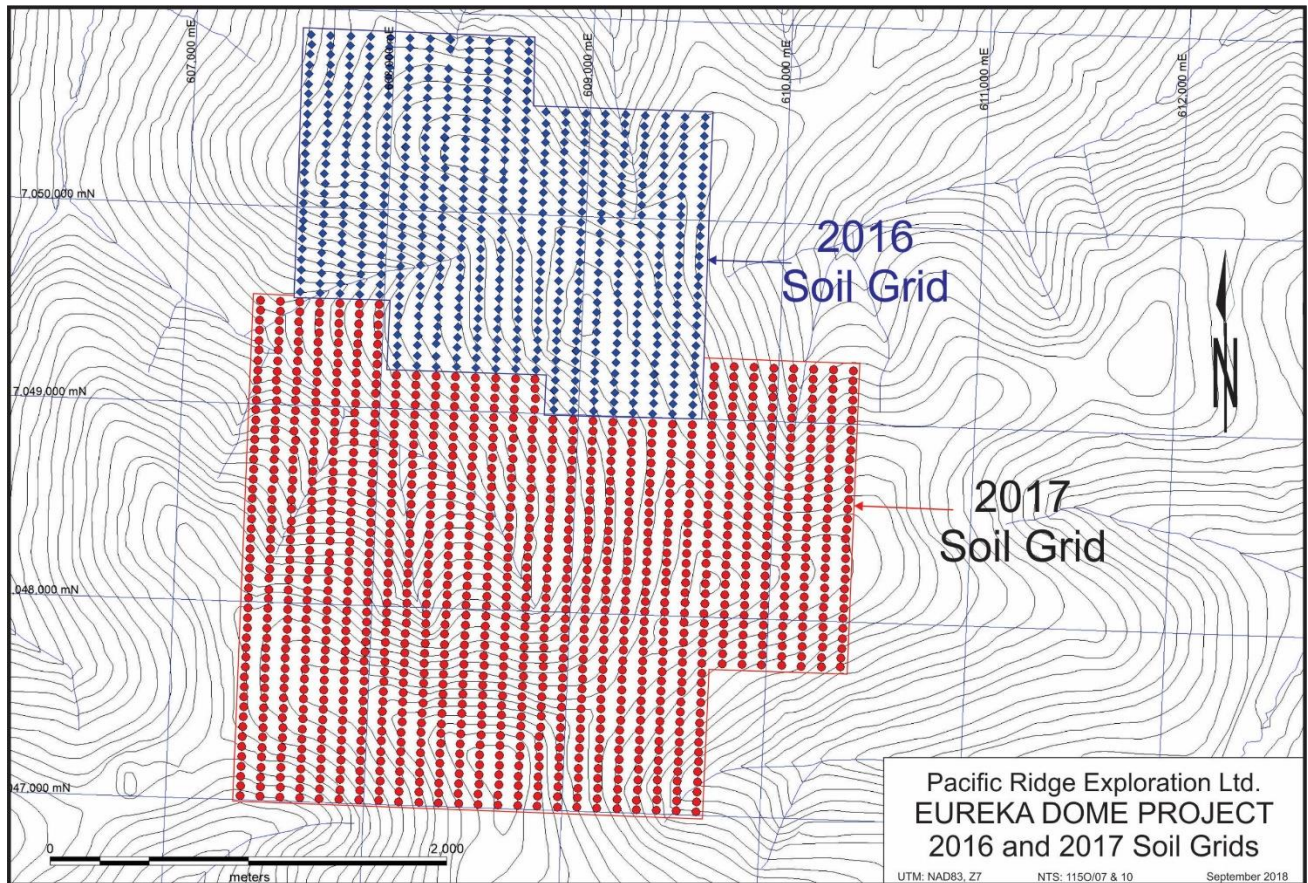


Figure 5. 2016 and 2017 soil grids.

The GPS location of the sample site is recorded with a Garmin GPSMap 60cx or 76cx GPS device in UTM NAD 83 format, and the waypoint is labeled with the project name and the sample identification number.

A weather-proof handheld device equipped with a barcode scanner is used in the field to record the descriptive attributes of the sample collected, including sample identification number, soil colour, soil horizon, slope, sample depth, ground and tree vegetation and sample quality and any other relevant information.

Each night in the field, the GPS and Palm PDA devices are downloaded to a laptop computer. The data is verified and mapped on a sampler-by-sampler basis in proprietary database auditing and mapping software. At the end of each day, the crew boss inspects all samples for size and consistency as a quality check. Each sampler then repackages all samples for shipping- barcode scanning them

as they are placed into a rice bag which is sealed with a barcoded security zip tie. Samples are shipped from the field to the lab and tracked by the unique ID on each security seal. A backup of the sample data is made, copied onto a USB memory stick and kept in a separate location from the laptop computer until job completion. Where possible, a backup is also sent via e-mail.

The 1,346 sample locations are shown in Figure 6, below.

Soil Sample Results

The discussion below and the accompanying bubble plot maps include results from both the 2016 and 2017 surveys. Prior to creating bubble plot anomaly maps, threshold values of 98th, 95th, 90th and 70th percentile values were calculated for each element in the combined 2016 and 2017 data set. Table 2 shows these values for gold and its pathfinder elements, As, Sb, Bi, Hg, Mo and Se. In gold bubble plot, the threshold values were simplified to +30 ppb (moderately anomalous) and +50 ppb (strongly anomalous) based on experience from other parts of the Klondike-White Gold District.

Table 2. Threshold percentile values for gold and pathfinder elements.

	Au	As	Sb	Bi	Hg	Mo	Se
Maximum	100.0	229.6	20.2	18.1	1.7	5.8	3.2
98th Percentile	13.5	89.7	5.4	0.4	0.4	3.7	1.8
95th Percentile	8.8	54.3	2.9	0.4	0.2	3.1	1.3
90th Percentile	6.5	33.8	2.1	0.3	0.2	2.6	1.0
70th Percentile	4.0	19.4	1.2	0.2	0.1	1.8	0.6
Minimum	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0

The relative locations of the 2016 and 2017 soil grids are shown in Figure 5. All sampling protocols and analytical methods are the same for both programs. The 2016 program and results are discussed in Carlson (2016). Summary soil results for the 2017 program, along with UTM coordinates, are presented in Appendix II.

Sample locations for the 2017 sampling program are shown in Figure 6.

Bubble plots for gold and pathfinder elements As, Sb, Bi, Mo and Se are shown in Figures 7 to 13, while Figure 14 presents a compilation of the anomalous results overlain on geology.

In general, the geochemical results are subdued. Most of the anomalous gold values occur randomly throughout the grid area (Figure 7) and may reflect isolated areas of gold enrichment, perhaps in quartz veins. However, one gold anomaly in the southern part of the grid shows better continuity and is supported by all the pathfinder elements plotted. The anomaly has been named NW Ridge (see Figure 13) and extends for a strike length of approximately 2 km, with a width of approximately 750 m. It trends northwesterly along the upper northeast-facing slope of a ridge leading from Eureka Dome. It is parallel to a fault mapped by Pautler (in Carlson, 2016) along the Left Fork of Eureka Creek and it coincides with the epithermal gold signature identified by Heberlein (2012) from the initial ridge and spur sampling in this area. The anomaly is open to the south.

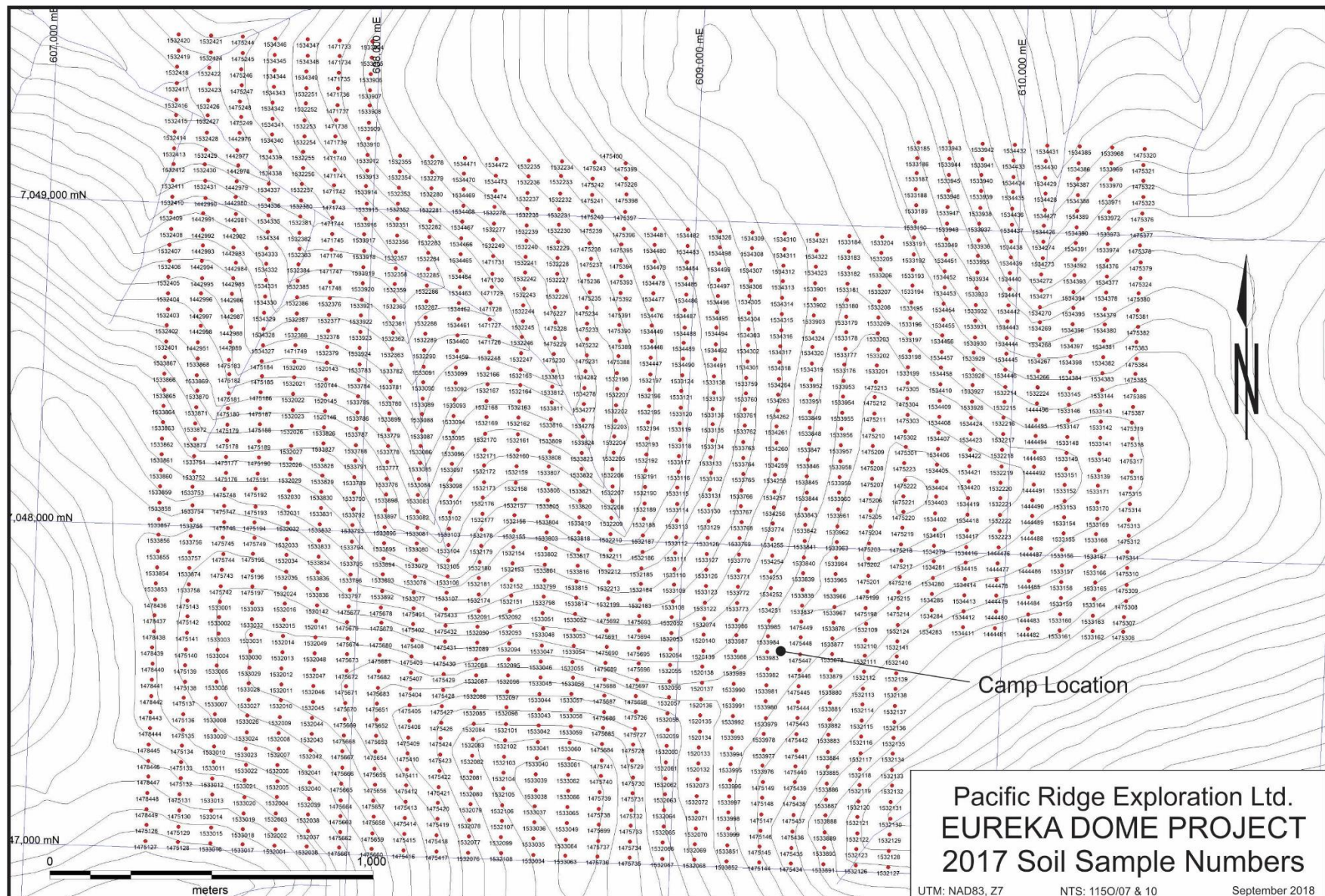


Figure 6. 2017 soil grid and sample numbers.

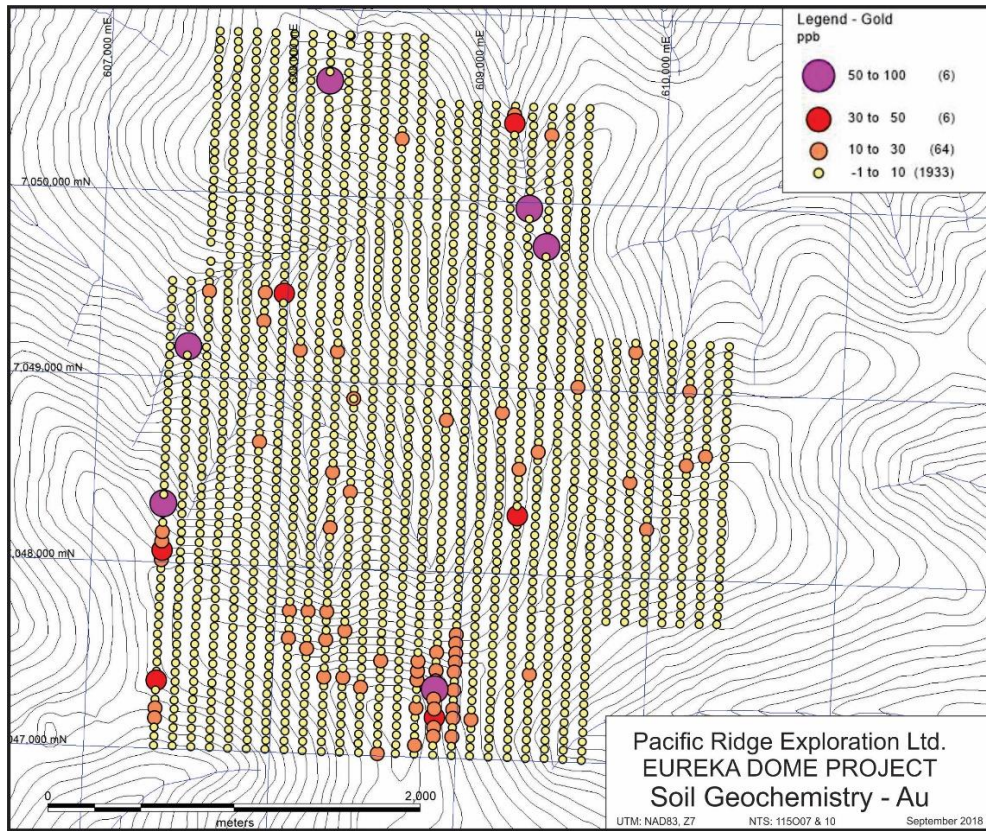


Figure 7. Gold soil geochemistry, 2016 and 2017 surveys.

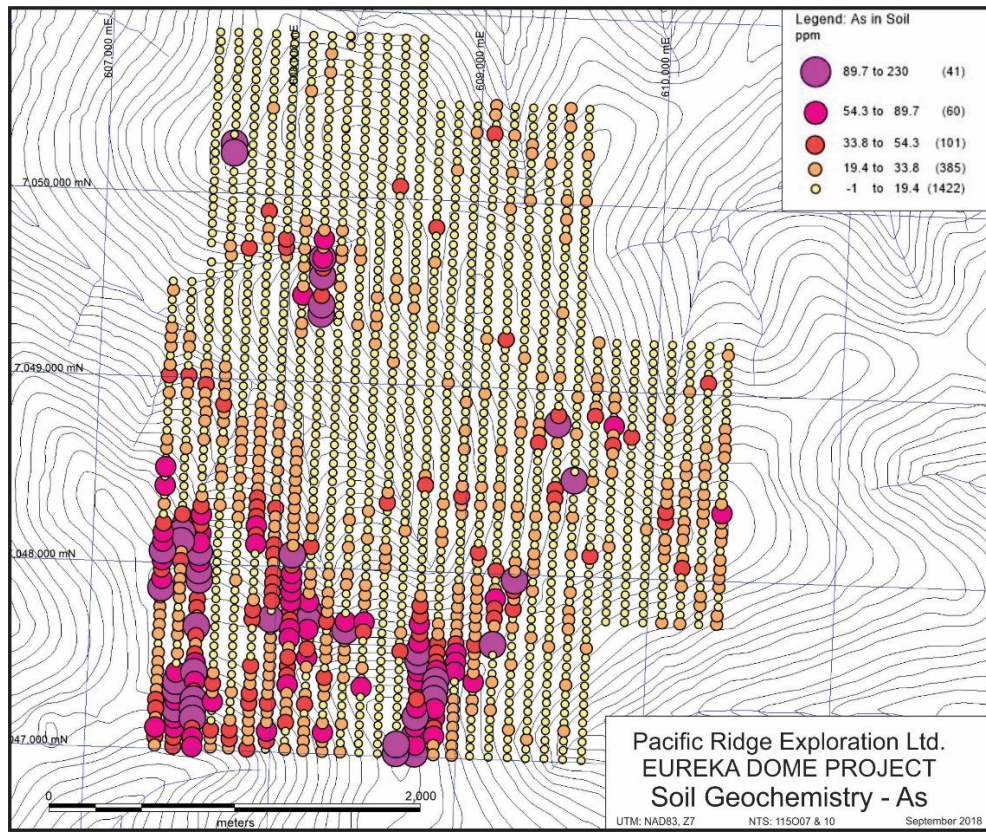


Figure 8. Arsenic soil geochemistry, 2016 and 2017 surveys.

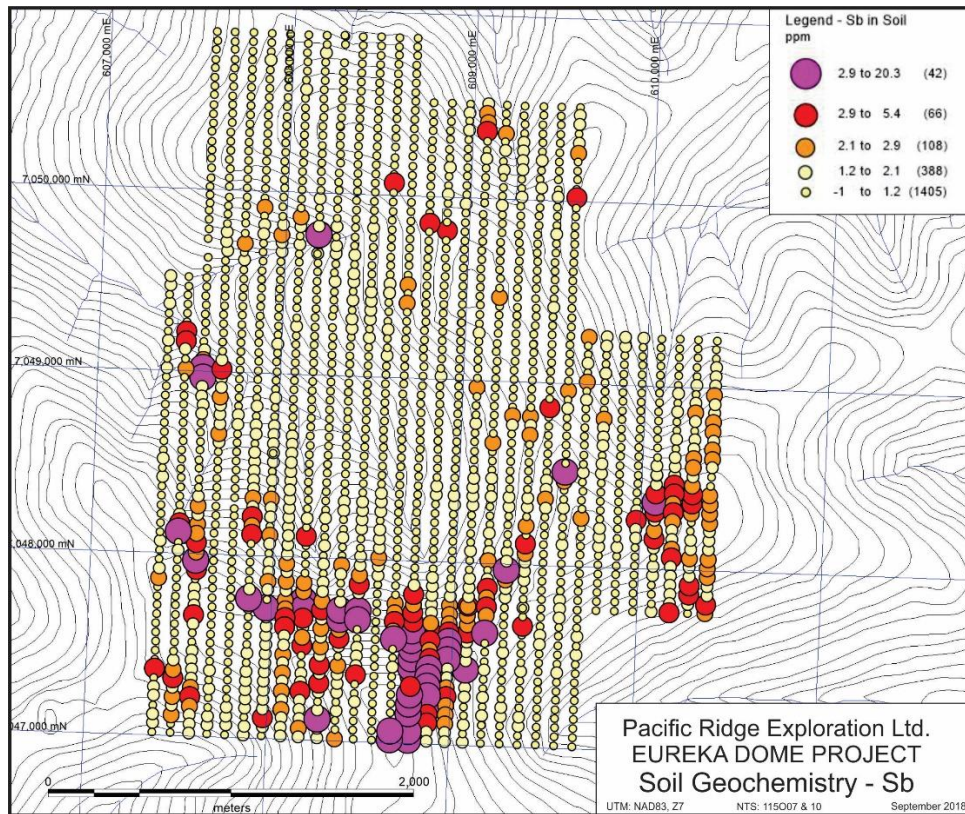


Figure 9. Antimony soil geochemistry, 2016 and 2017 surveys.

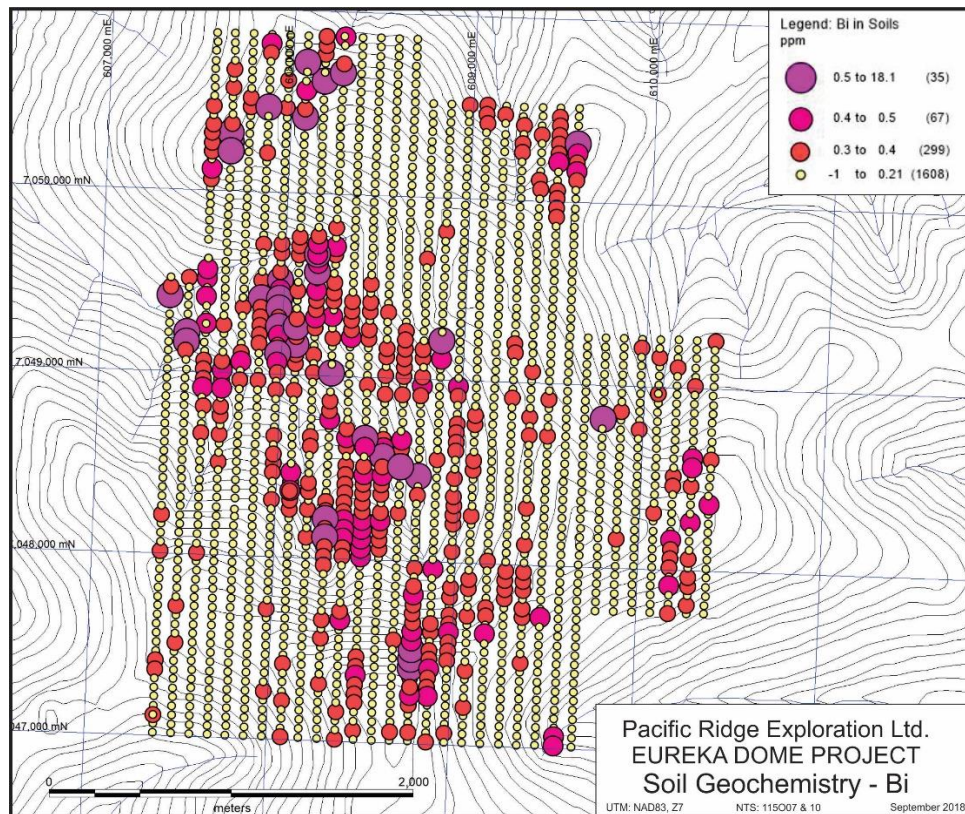


Figure 10. Bismuth soil geochemistry, 2016 and 2017 surveys.

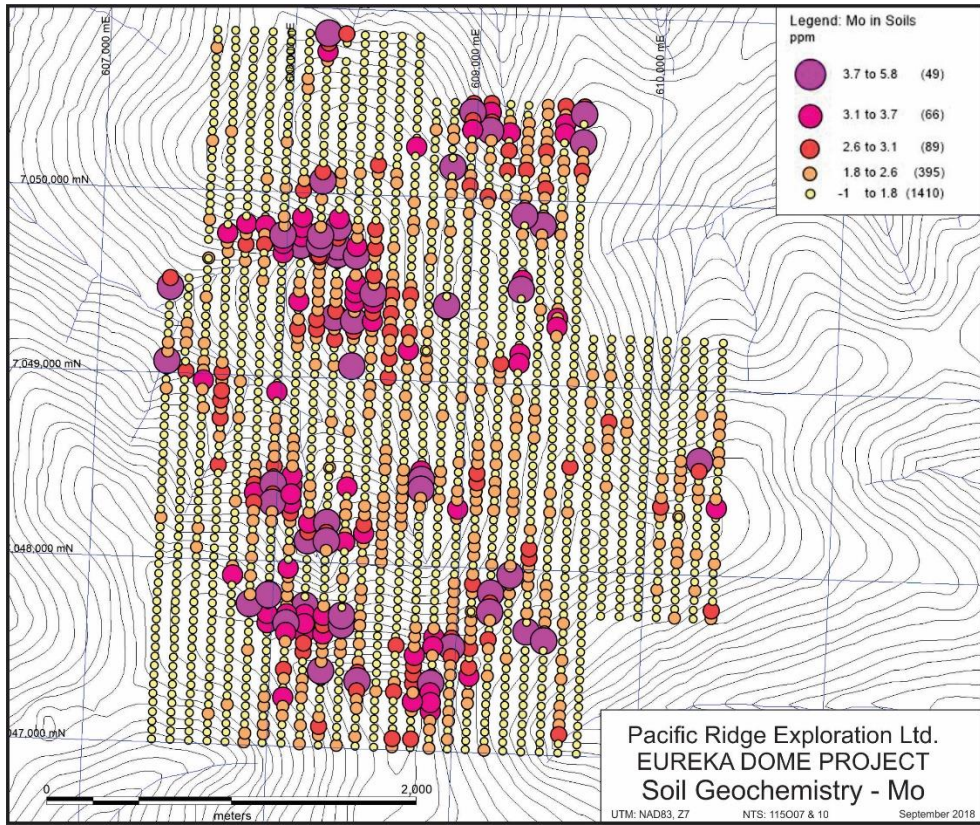


Figure 11. Molybdenum soil geochemistry, 2016 and 2017 surveys.

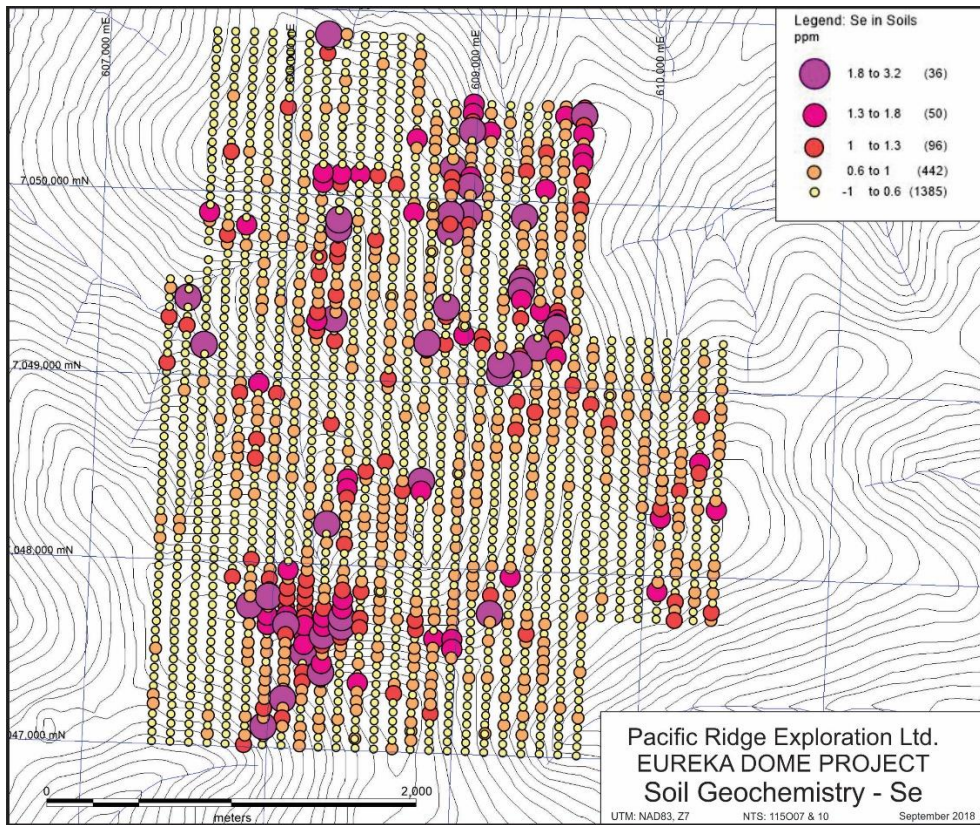


Figure 12. Selenium soil geochemistry, 2016 and 2017 surveys.

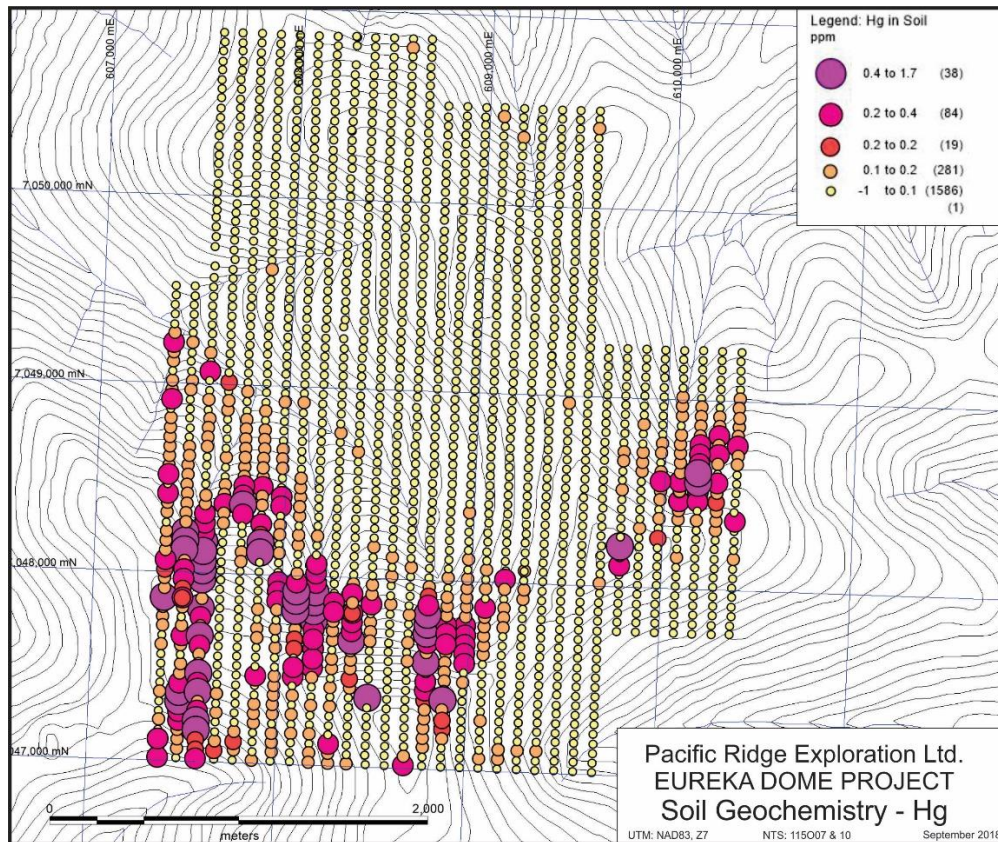


Figure 13. Mercury soil geochemistry, 2016 and 2017 surveys.

Although the gold values in the NW Ridge Anomaly are rather weak, the anomaly is strongly defined by pathfinder elements, in particular As, Sb and Hg. While the overall anomaly trends northwest, internal northeasterly trends of more strongly anomalous values can be seen to follow bands of quartzite (PDS) (see Figure 14), while intervening bands of felsic orthogneiss (PgS) are less strongly anomalous. This suggests that the overall control on the mineralized source that is causing this anomaly is likely structural, possibly related to the Eureka Creek fault, while the quartzite unit provides a better host for the mineralized structures than does the orthogneiss.

While Bi, Mo and Se have scattered areas of anomalous values in the northern half of the survey area, anomalous As, Sb and Hg values are restricted mainly to the southern part. The “V” shaped pattern suggests that these values are possibly controlled by structures, being restricted to the southwest side of a northwest structure that trends along or parallel to Eureka Creek and a second, northeast trending structure that cuts just to the southeast of Eureka Dome (see lines marked “Structure” on Figure 14). The southeast and southwestern blocks may have been dropped down on these structures relative to the north, resulting in a higher level geochemical signature in the south.

The NW Ridge Anomaly represents a significant target. The epithermal signature (Au, Sb, Hg, Bi, Se) is supported by a northwest trending alteration zone including silicification, quartz veins ±sheeted, ±oxidized cubic pyrite, hematite, minor ankerite, and occasionally late clay. Historical stream sediments (Christie, 1994) from creeks draining this anomaly to the north are strongly anomalous in gold, with silt values ranging from 360 ppb to 2,190 ppb Au (Figure 14). This suggests that structurally controlled epithermal style gold mineralization reflected by the NW Ridge Anomaly may be exposed in subcrop on the north facing slope above the anomalous stream sediment values.

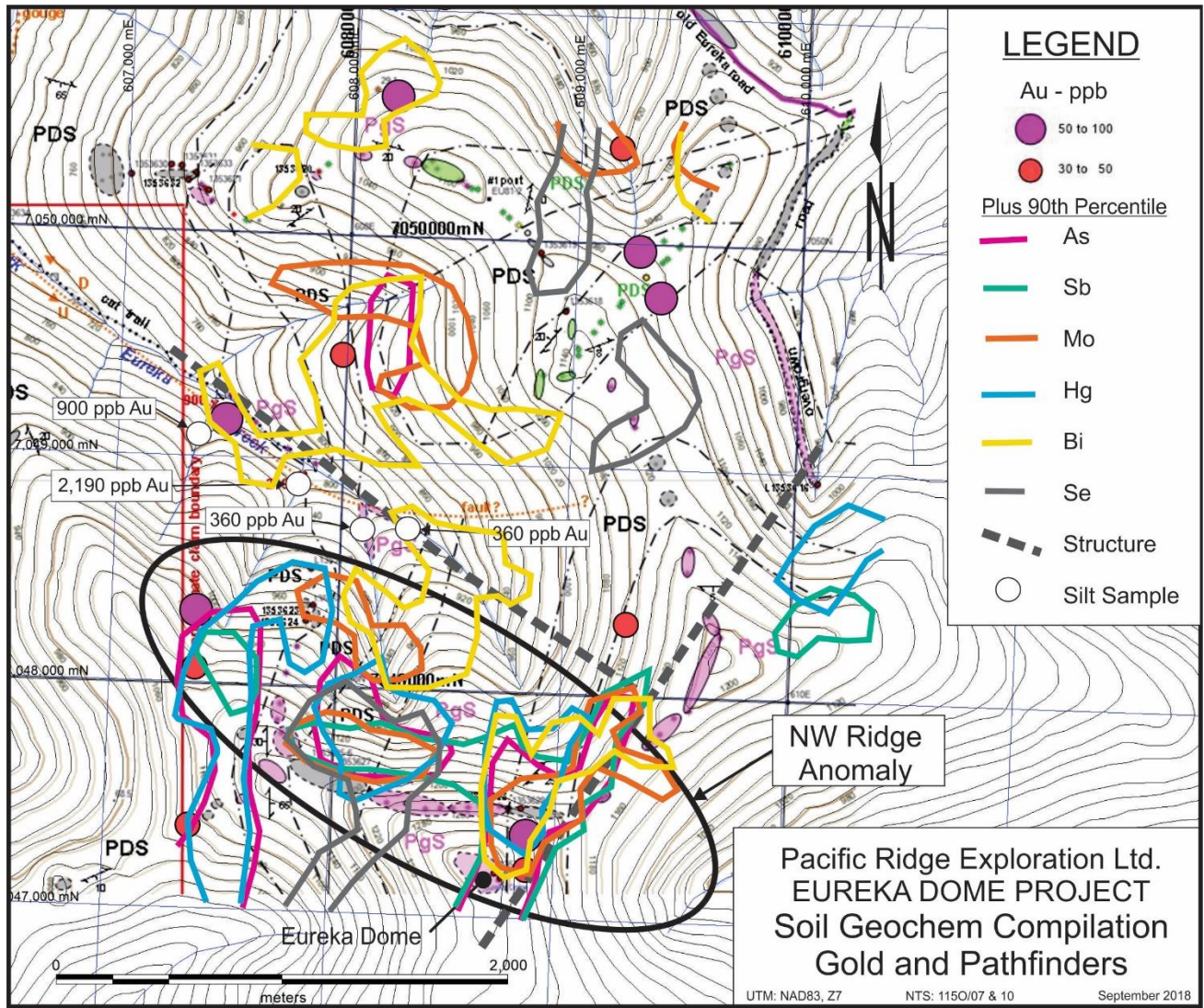


Figure 14. Soil geochemical compilation, gold and pathfinders, overlaid on geology.

CONCLUSIONS

The Eureka Dome project area has received gold exploration attention since placer gold was first discovered in Eureka Creek in 1896. Modern exploration dates to the 1980's, when the GSC published a strongly anomalous gold silt geochemical result from Eureka Creek. However, this work has been restricted to relatively small surface prospecting and sampling programs. No drilling is recorded on the Property. In 2016, Pacific Ridge commenced detailed exploration in the northwestern part of the Property, over part of the headwaters of Eureka Creek, with a soil geochemical survey on a grid with 50 m spaced samples on 100 m spaced lines for 671 samples. A concurrent mapping program identified surface alteration and mineralization related to local zones of silicification and brecciation. The 2017 program extended the soil grid to the south.

The Property is within the Stewart River-Klondike goldfield area within the extensive Yukon-Tanana Terrane (YTT). The region is underlain by sequence of imbricated thrust panels consisting of polydeformed, late-Paleozoic aged metavolcanic and metasedimentary rocks which form part of the YTT on the southwest side of the Tintina Trench. The interlayered metasedimentary and metavolcanic rocks are stratigraphically transposed and are intruded by a variety of deformed metaplutonic rocks.

The northwestern corner of the property is underlain by Devonian and older metasedimentary rocks of the Snowcap assemblage, with local marble horizons, intruded by felsic, commonly potassium feldspar augen bearing, orthogneiss of the Permian Sulphur Creek plutonic suite. The Snowcap assemblage primarily consists of quartzite, commonly graphitic, with minor biotite schist. The orthogneiss primarily occurs at higher elevations on the property, underlying Eureka Dome and the ridge to the east and it also as northerly bands further west. These bands appear to be offset along a major sinistral strike slip fault along the upper Left Fork of Eureka Creek, with about 500m of displacement.

Mineralization in this area consists of silicified metasedimentary rocks and breccias, commonly with limonite fracture fillings and cement. Locally the breccias include abundant quartz fragments, possibly of metamorphic origin. Quartz veins also occur with limonite fracture fillings. Alteration includes silicification, quartz veins \pm sheeted, \pm oxidized cubic pyrite, hematite, minor ankerite, and occasionally late clay. Mineralization and alteration appears to be structurally controlled.

The 2017 field program, under Yukon Government YMEP agreement number 17-064, included 8 days of soil sampling (1,346 samples) during the period July 27 to August 4, 2017, with a crew of 6 samplers from Ground Truth of Dawson.

The 2017 soil survey identified a multi-element anomaly in the southern part of the grid area called the NW Ridge Anomaly. Although the gold values in this anomaly are rather weak, the anomaly is strongly defined by pathfinder elements, in particular As, Sb and Hg. While the overall anomaly trends northwest, internal northeasterly trends of more strongly anomalous values can be seen to follow bands of quartzite (PDS), while intervening bands of felsic orthogneiss (PgS) are less strongly anomalous. This suggests that the overall control on the mineralized source that is causing this anomaly is likely structural, possibly related to the Eureka Creek fault, while the quartzite unit provides a better host for the mineralized structures than does the orthogneiss. The potential for this anomaly reflecting subcropping gold mineralization is further enhanced by anomalous stream

sediments ranging from 360 ppb to 2,190 ppb Au (Christie, 1994) in creeks draining this anomaly to the north, into Eureka Creek (see Figure 14).

RECOMMENDATIONS

Detailed surface exploration should be carried out over the NW Ridge Anomaly and the north slope to the Left Fork of Eureka Creek. The recommended work program would include detailed prospecting, mapping and sampling, including silt sampling upstream from the known anomalies and hand trenching guided by the 2017 soil survey results.

PROJECT EXPENDITURES

Table 3. Eureka Dome Expenditures

Description	Amount
Ground Truth - Soil sampling and analysis	\$ 72,364.95
Ground Truth - Helicopter support	\$ 1,703.36
Ground Truth - Helicopter support	\$ 2,649.67
Report Preparation	\$2,400.00
Total	\$79,117.98

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- Wengzynowski, W.A., 2000, Assessment report describing geological mapping and geochemical surveys on the Eureka Project, Assessment Report # 094107.
- Yukon placer database operation reports, 1978 – 1982, Eureka Creek – A tributary of Indian River.

Appendix I

EUREKA DOME CLAIMS LIST

Grant No.	Name	No.	Owner	Good To	Years	New Expiry
YC94330	EU	94	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025
YC94331	EU	95	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025
YC94332	EU	96	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025
YC94333	EU	97	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025
YC94334	EU	98	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025
YC94335	EU	99	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025
YC94336	EU	100	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025
YC94337	EU	101	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025
YC94338	EU	102	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025
YC94339	EU	103	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025
YC94340	EU	104	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025
YC94341	EU	105	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025
YC94342	EU	106	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025
YC94343	EU	107	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025
YC94344	EU	108	Pacific Ridge Exploration Ltd. - 100%	4-Mar-2021	4	4-Mar-2025

Total claim-years	624
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Appendix II

SOIL GEOCHEMISTRY SUMMARY RESULTS

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1442951	607475	7048570	8.4	16.7	1.0	0.2	0.8	0.25	0.10
1442976	607577	7049223	0.6	6.3	0.4	0.2	1.0	0.25	0.01
1442977	607572	7049169	2.4	15.6	1.0	0.2	1.8	2.20	0.10
1442978	607577	7049122	1.1	17.1	1.3	0.2	1.6	0.25	0.04
1442979	607574	7049072	5.3	25.2	2.6	0.3	2.3	0.25	0.24
1442980	607573	7049024	2.6	30.9	5.4	0.3	2.3	0.25	0.06
1442981	607576	7048971	2.5	50.7	6.0	0.3	3.1	0.70	0.06
1442982	607573	7048921	2.9	26.1	1.5	0.4	2.2	0.25	0.11
1442983	607573	7048867	2.7	26.1	1.3	0.2	1.6	0.25	0.06
1442984	607582	7048820	3.1	23.3	1.2	0.3	1.8	0.50	0.10
1442985	607576	7048772	3.0	24.4	1.4	0.2	1.3	0.25	0.16
1442986	607574	7048723	3.8	14.9	0.9	0.2	0.9	0.25	0.13
1442987	607576	7048672	2.6	23.1	1.0	0.3	1.7	0.25	0.15
1442988	607576	7048620	0.6	9.8	0.5	0.1	1.1	0.25	0.06
1442989	607575	7048574	4.8	15.1	0.9	0.2	1.0	0.25	0.08
1442990	607480	7049017	2.6	34.2	2.1	0.2	2.6	0.50	0.13
1442991	607475	7048970	5.7	29.2	1.0	0.2	1.4	0.25	0.13
1442992	607476	7048919	3.3	25.5	0.8	0.2	1.4	0.60	0.05
1442993	607478	7048870	1.5	8.7	0.3	0.1	0.9	0.25	0.02
1442994	607477	7048822	1.9	5.5	0.2	0.1	0.8	0.25	0.02
1442995	607480	7048769	0.7	11.6	0.8	0.1	1.0	0.25	0.04
1442996	607478	7048722	4.0	14.2	0.7	0.1	0.7	0.25	0.08
1442997	607480	7048669	2.5	16.1	0.9	0.2	0.7	0.25	0.13
1442998	607482	7048621	4.1	23.6	1.1	0.2	1.3	0.25	0.10
1444476	609977	7048020	5.1	12.4	0.7	0.2	1.2	0.25	0.02
1444477	609976	7047970	1.6	11.6	0.8	0.2	0.8	0.25	0.05
1444478	609975	7047919	6.2	10.6	0.7	0.2	1.1	0.25	0.03
1444479	609976	7047870	3.1	9.4	0.8	0.2	0.8	0.25	0.06
1444480	609977	7047821	2.8	8.4	0.7	0.1	0.8	0.25	0.04
1444481	609976	7047769	2.3	8.8	0.6	0.2	0.8	0.25	0.02
1444482	610078	7047771	7.0	21.7	2.0	0.2	1.6	0.25	0.09
1444483	610077	7047815	2.1	12.7	1.1	0.2	1.2	0.25	0.04
1444484	610076	7047869	2.9	10.3	0.6	0.2	1.1	0.25	0.03
1444485	610075	7047919	4.0	12.0	1.1	0.1	2.1	1.50	0.03
1444486	610076	7047968	3.9	16.4	1.3	0.1	1.5	0.70	0.04
1444487	610077	7048020	4.9	13.6	1.3	0.2	1.0	0.25	0.07
1444488	610078	7048069	3.5	14.8	1.0	0.2	0.9	0.25	0.04
1444489	610077	7048120	3.1	20.2	1.8	0.2	1.5	0.25	0.09
1444490	610076	7048169	4.7	31.9	4.2	0.2	1.8	0.60	0.12
1444491	610078	7048218	2.1	21.5	2.5	0.2	1.7	0.25	0.08
1444492	610076	7048273	2.1	16.1	1.3	0.2	1.2	0.25	0.05
1444493	610076	7048318	3.0	48.3	5.3	0.3	2.5	1.60	0.09
1444494	610077	7048369	5.4	46.0	6.1	0.2	2.8	1.20	0.18
1444495	610076	7048418	6.7	25.7	3.6	0.2	2.1	0.90	0.17
1444496	610077	7048469	5.2	20.8	1.6	0.2	1.7	0.70	0.21
1471726	608376	7048620	4.1	7.7	0.6	0.3	1.3	0.60	0.06
1471727	608374	7048672	3.7	6.3	0.6	0.4	1.3	0.25	0.14
1471728	608375	7048722	3.9	9.6	0.5	0.3	2.1	0.25	0.06
1471729	608377	7048772	3.5	8.4	0.4	0.2	1.2	0.25	0.02
1471730	608377	7048813	0.3	6.1	0.4	0.2	1.0	0.25	0.04

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1471731	608377	7048868	2.8	8.1	0.5	0.2	1.6	0.25	0.02
1471733	607875	7049519	1.8	17.9	0.9	0.3	1.8	0.70	0.04
1471734	607877	7049471	10.1	8.8	0.7	0.2	0.8	0.25	0.01
1471735	607876	7049419	2.0	8.8	0.7	0.5	1.1	0.70	0.02
1471736	607876	7049371	2.5	8.3	0.7	0.3	1.1	0.60	0.02
1471737	607876	7049319	21.1	8.8	0.7	0.3	0.9	0.50	0.04
1471738	607874	7049272	0.8	6.6	0.6	0.3	1.1	0.25	0.02
1471739	607874	7049222	2.8	9.8	0.7	0.3	1.0	0.25	0.03
1471740	607874	7049173	3.3	7.6	0.6	0.3	1.6	0.25	0.02
1471741	607876	7049118	0.7	6.7	0.9	0.2	1.2	0.25	0.03
1471742	607876	7049070	0.3	5.2	0.6	0.2	0.9	0.25	0.02
1471743	607877	7049019	0.7	8.8	0.6	0.2	1.1	0.25	0.03
1471744	607875	7048970	1.6	2.6	0.5	0.3	1.6	1.40	0.06
1471745	607876	7048919	1.1	17.5	0.7	0.2	1.3	0.25	0.08
1471746	607876	7048871	0.3	19.4	1.1	0.2	1.3	0.60	0.10
1471747	607876	7048822	1.2	25.9	1.4	0.2	1.7	0.60	0.08
1471748	607876	7048770	0.9	22.6	1.1	0.2	1.5	0.80	0.11
1471749	607777	7048571	7.6	18.8	0.7	0.2	1.3	0.60	0.15
1471750	607777	7048571	1.5	21.5	0.7	0.2	1.4	0.80	0.13
1475126	607378	7047070	2.5	47.4	1.3	0.2	1.0	0.25	0.19
1475127	607377	7047020	4.3	27.3	1.0	0.2	0.8	0.25	0.21
1475128	607477	7047021	2.1	33.8	0.9	0.2	1.3	0.25	0.04
1475129	607477	7047068	4.7	35.9	0.9	0.2	1.1	0.25	0.13
1475130	607477	7047118	3.0	86.1	2.2	0.2	1.1	0.25	0.13
1475131	607476	7047168	2.2	66.6	1.4	0.2	1.3	0.25	0.11
1475132	607478	7047219	4.4	100.4	2.2	0.2	1.3	0.25	0.33
1475133	607477	7047268	2.3	58.9	1.9	0.2	0.7	0.25	0.35
1475134	607477	7047319	2.8	171.3	3.4	0.2	1.1	0.25	0.43
1475135	607478	7047368	2.9	94.7	2.1	0.2	1.0	0.25	0.47
1475136	607477	7047417	2.2	61.2	1.8	0.2	1.1	0.25	0.38
1475137	607477	7047468	3.7	19.1	0.7	0.2	0.8	0.25	0.11
1475138	607479	7047517	0.8	30.6	1.1	0.3	0.9	0.25	0.10
1475139	607477	7047568	5.4	18.3	0.7	0.2	0.9	0.25	0.06
1475140	607477	7047617	2.0	27.4	0.9	0.2	1.1	0.25	0.10
1475141	607478	7047669	2.3	32.7	0.9	0.2	0.9	0.25	0.22
1475142	607478	7047720	3.0	26.7	0.9	0.3	1.0	0.25	0.11
1475143	607476	7047769	6.4	18.0	0.7	0.2	0.6	0.25	0.08
1475144	609277	7047019	3.2	13.0	0.8	0.2	1.4	0.25	0.05
1475145	609276	7047068	5.1	11.8	0.8	0.2	1.1	0.50	0.07
1475146	609277	7047117	3.0	14.4	0.8	0.2	1.1	0.25	0.10
1475147	609278	7047167	3.1	22.6	1.6	0.2	1.3	0.60	0.09
1475148	609278	7047219	3.2	19.3	1.4	0.2	1.4	0.25	0.03
1475149	609278	7047268	3.0	15.3	1.0	0.2	1.4	0.25	0.07
1475150	609278	7047268	3.0	15.4	1.0	0.2	1.4	0.25	0.04
1475176	607579	7048168	3.7	68.8	2.1	0.2	1.9	0.25	0.46
1475177	607577	7048218	0.3	42.4	1.6	0.2	1.1	0.25	0.37
1475178	607578	7048269	2.5	76.2	2.1	0.2	1.5	0.25	0.32
1475179	607577	7048318	2.1	43.2	1.4	0.2	1.1	0.25	0.28
1475180	607576	7048369	2.8	19.5	0.6	0.1	0.8	0.25	0.18
1475181	607577	7048415	5.4	14.7	0.4	0.1	0.5	0.25	0.19

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1475182	607576	7048474	2.0	12.3	0.6	0.2	1.0	0.25	0.04
1475183	607573	7048519	0.5	12.2	0.6	0.2	1.4	0.25	0.05
1475184	607675	7048518	1.1	28.2	1.1	0.3	2.6	0.25	0.07
1475185	607677	7048472	1.2	20.6	0.5	0.2	1.5	0.25	0.18
1475186	607675	7048422	2.4	13.5	0.3	0.1	0.8	0.25	0.18
1475187	607676	7048372	2.6	12.1	0.4	0.1	1.0	0.25	0.22
1475188	607677	7048323	2.7	20.7	0.4	0.1	0.8	0.25	0.15
1475189	607677	7048270	1.2	7.1	0.3	0.1	1.0	0.25	0.10
1475190	607679	7048220	1.8	11.7	0.5	0.1	1.1	0.25	0.09
1475191	607677	7048169	0.3	6.2	0.3	0.1	0.8	0.25	0.05
1475192	607672	7048122	1.8	7.6	0.4	0.1	1.3	0.25	0.03
1475193	607674	7048067	2.4	6.6	0.4	0.1	1.2	0.25	0.04
1475194	607673	7048018	1.5	6.0	0.4	0.1	1.0	0.25	0.01
1475195	607672	7047921	5.6	8.2	0.6	0.2	1.0	0.25	0.02
1475196	607673	7047868	8.0	9.3	0.6	0.2	1.0	0.25	0.05
1475197	607675	7047819	2.7	10.1	0.6	0.1	1.0	0.25	0.06
1475198	609574	7047818	1.8	31.0	1.3	0.2	1.1	0.25	0.03
1475199	609577	7047869	1.5	8.4	0.7	0.2	0.8	0.25	0.03
1475200	609577	7047869	0.9	12.3	0.8	0.2	1.0	0.25	0.04
1475201	609578	7047918	5.9	19.8	0.9	0.2	1.0	0.25	0.05
1475202	609577	7047971	1.9	7.4	0.6	0.2	0.9	0.25	0.01
1475203	609576	7048018	3.0	9.0	0.7	0.2	1.1	0.25	0.03
1475204	609577	7048070	2.3	6.6	0.5	0.1	1.1	0.25	0.05
1475205	609576	7048120	3.4	30.7	1.4	0.2	1.2	0.25	0.09
1475206	609575	7048170	1.8	8.5	0.5	0.1	1.0	0.25	0.03
1475207	609577	7048219	1.1	8.1	0.9	0.1	1.1	0.25	0.03
1475208	609575	7048270	2.8	7.5	0.6	0.2	1.4	0.25	0.03
1475209	609575	7048320	2.5	28.9	1.9	0.2	1.9	0.25	0.03
1475210	609575	7048370	0.3	3.6	1.1	0.1	1.5	0.25	0.03
1475211	609576	7048421	0.3	3.4	0.3	0.1	1.7	0.25	0.01
1475212	609575	7048472	1.2	18.0	2.1	0.1	1.5	0.60	0.02
1475213	609576	7048519	1.7	133.2	5.7	0.2	1.6	0.50	0.08
1475214	609674	7047821	3.6	13.2	0.6	0.2	1.0	0.25	0.03
1475215	609674	7047870	6.6	12.6	0.7	0.2	0.9	0.25	0.05
1475216	609676	7047918	2.8	11.0	0.8	0.2	0.9	0.25	0.04
1475217	609678	7047968	2.1	11.3	0.7	0.1	0.7	0.25	0.04
1475218	609675	7048018	4.7	15.4	1.0	0.1	1.0	0.25	0.15
1475219	609677	7048070	4.8	12.0	0.9	0.2	0.9	0.25	0.02
1475220	609678	7048120	1.8	35.2	1.1	0.2	1.0	0.25	0.03
1475221	609676	7048168	1.4	13.2	0.6	0.2	1.2	0.25	0.02
1475222	609680	7048218	1.6	15.9	0.4	0.2	1.1	0.25	0.03
1475223	609674	7048271	1.1	14.5	2.2	0.1	1.6	0.25	0.03
1475226	608777	7049123	1.2	11.5	0.8	0.3	2.0	0.60	0.03
1475227	608574	7048716	2.3	9.5	0.5	0.2	1.4	0.25	0.02
1475228	608578	7048669	3.8	9.4	0.4	0.3	1.2	0.25	0.03
1475229	608578	7048621	3.0	11.4	0.5	0.4	1.9	0.25	0.02
1475230	608577	7048571	9.0	10.6	0.6	1.0	2.4	1.00	0.05
1475231	608679	7048571	5.6	10.2	0.3	0.3	1.5	0.25	0.03
1475232	608678	7048621	1.6	12.5	0.6	0.3	1.7	0.25	0.03
1475233	608676	7048669	2.2	12.6	0.4	0.4	1.4	0.25	0.02

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1475234	608673	7048718	3.9	8.4	0.4	0.2	1.1	0.25	0.03
1475235	608680	7048766	0.5	12.6	0.6	0.2	1.5	0.25	0.02
1475236	608675	7048819	2.9	13.3	0.6	0.2	1.8	0.60	0.03
1475237	608680	7048870	2.5	11.5	0.6	0.2	1.7	0.25	0.03
1475238	608673	7048918	0.9	9.3	0.2	0.3	2.0	0.50	0.02
1475239	608675	7048975	5.0	8.0	0.4	0.2	1.6	0.25	0.03
1475240	608677	7049018	0.5	6.7	0.2	0.3	1.4	0.25	0.02
1475241	608675	7049068	2.1	10.3	0.8	0.3	2.0	0.25	0.03
1475242	608675	7049118	4.9	11.2	0.9	0.3	1.4	0.25	0.07
1475243	608678	7049169	1.6	13.7	0.9	0.3	3.4	0.25	0.04
1475244	607575	7049521	4.4	3.4	0.5	0.4	1.2	0.25	0.02
1475245	607577	7049470	12.1	8.9	0.6	0.2	1.2	0.25	0.04
1475246	607574	7049420	0.3	3.9	0.7	0.4	1.8	0.25	0.01
1475247	607578	7049370	3.5	8.6	0.6	0.2	0.9	0.25	0.04
1475248	607574	7049320	1.9	8.0	0.4	0.1	1.2	0.25	0.01
1475249	607580	7049272	1.3	6.0	0.4	0.4	1.1	0.25	0.02
1475250	607580	7049272	0.8	5.0	0.3	0.2	0.9	0.25	0.02
1475301	609677	7048321	1.0	4.5	0.4	0.1	1.3	0.25	0.01
1475302	609674	7048369	5.1	12.3	0.6	0.2	1.6	0.50	0.03
1475303	609679	7048420	5.3	9.3	0.5	0.2	1.0	0.25	0.05
1475304	609675	7048471	2.7	15.5	1.0	0.1	1.4	0.25	0.08
1475305	609675	7048519	5.0	28.5	1.6	0.2	1.3	0.25	0.06
1475306	610373	7047772	2.8	21.1	2.1	0.2	1.9	0.70	0.08
1475307	610374	7047817	3.2	25.8	3.6	0.2	2.7	1.00	0.08
1475308	610378	7047867	4.9	16.6	1.4	0.2	1.4	0.50	0.08
1475309	610378	7047917	2.2	17.8	1.6	0.2	1.4	0.60	0.07
1475310	610377	7047970	2.0	19.7	2.1	0.2	1.3	0.25	0.08
1475311	610376	7048019	3.6	24.2	2.4	0.2	1.7	0.60	0.06
1475312	610378	7048070	6.1	26.1	2.3	0.2	1.8	0.70	0.06
1475313	610376	7048118	2.0	19.8	1.6	0.2	1.6	0.25	0.08
1475314	610377	7048168	4.6	16.6	1.5	0.2	1.0	0.25	0.10
1475315	610377	7048218	2.8	20.1	1.8	0.2	1.7	0.25	0.05
1475316	610379	7048268	2.2	19.5	2.1	0.2	1.4	0.25	0.07
1475317	610376	7048319	2.1	24.2	2.3	0.2	1.5	0.25	0.07
1475318	610376	7048371	8.8	65.5	2.6	0.4	3.2	1.50	0.29
1475319	610373	7048420	2.2	19.8	2.2	0.1	2.4	0.80	0.04
1475320	610378	7049268	2.4	9.1	0.3	0.3	1.1	0.25	0.01
1475321	610376	7049219	0.9	26.6	0.5	0.1	1.0	0.25	0.03
1475322	610378	7049170	1.6	9.8	0.5	0.2	0.8	0.25	0.03
1475323	610380	7049120	1.7	14.8	1.4	0.2	1.4	0.25	0.05
1475324	610381	7048868	3.7	14.6	1.7	0.2	1.6	0.70	0.16
1475325	610381	7048868	3.1	15.4	1.6	0.2	1.8	0.80	0.15
1475376	610379	7049069	3.5	12.1	1.7	0.2	1.2	0.50	0.09
1475377	610378	7049019	2.0	12.4	1.5	0.2	1.3	0.80	0.10
1475378	610375	7048970	2.1	16.7	2.1	0.1	1.2	0.25	0.10
1475379	610380	7048917	0.8	14.6	1.5	0.2	1.4	0.60	0.15
1475380	610377	7048821	1.7	20.4	2.7	0.2	1.8	0.25	0.17
1475381	610376	7048768	3.5	21.6	2.7	0.2	2.2	0.80	0.25
1475382	610380	7048717	1.6	20.5	1.9	0.2	1.6	0.60	0.13
1475383	610377	7048670	3.8	21.9	2.8	0.2	1.9	0.70	0.13

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1475384	610379	7048618	0.3	18.5	2.3	0.3	2.1	0.50	0.05
1475385	610378	7048571	3.1	11.6	1.7	0.2	1.2	0.25	0.06
1475386	610378	7048520	2.2	13.0	0.8	0.2	0.9	0.25	0.08
1475387	610375	7048469	2.1	14.4	1.1	0.2	1.0	0.50	0.05
1475388	608777	7048572	1.9	15.1	0.6	0.2	1.7	0.25	0.03
1475389	608779	7048619	2.2	16.8	0.6	0.2	1.3	0.50	0.06
1475390	608776	7048668	2.0	13.3	0.6	0.2	1.4	0.25	0.02
1475391	608775	7048717	1.8	7.0	0.3	0.1	1.0	0.25	0.02
1475392	608776	7048767	3.0	14.2	0.7	0.2	1.7	0.25	0.04
1475393	608776	7048819	1.5	11.6	0.7	0.2	1.3	0.25	0.03
1475394	608772	7048868	0.8	13.7	0.6	0.2	1.5	0.60	0.04
1475395	608772	7048918	1.6	19.2	0.3	0.3	1.2	0.25	0.02
1475396	608777	7048966	0.3	10.7	0.4	0.4	1.4	0.25	0.02
1475397	608779	7049019	2.0	12.7	1.1	0.3	1.9	0.50	0.03
1475398	608781	7049073	3.4	13.3	0.9	0.2	1.9	0.25	0.03
1475399	608775	7049170	2.9	10.1	0.7	0.3	2.0	0.70	0.03
1475400	608775	7049170	4.2	8.5	0.6	0.3	1.7	0.60	0.02
1475401	608176	7047769	10.8	148.8	8.2	0.2	4.0	1.20	0.85
1475402	608176	7047720	4.0	105.9	5.5	0.1	3.1	1.10	0.28
1475403	608176	7047620	9.1	26.8	1.6	0.2	3.5	1.60	0.23
1475404	608176	7047520	6.7	75.0	4.8	0.2	2.8	1.90	0.26
1475405	608176	7047469	2.2	22.1	1.1	0.1	1.0	0.25	0.13
1475406	608177	7047420	3.2	12.8	1.0	0.2	1.6	1.10	0.06
1475407	608176	7047569	10.5	49.5	2.7	0.2	3.0	1.30	0.35
1475408	608176	7047670	7.9	80.4	4.0	0.2	3.2	1.50	0.23
1475409	608176	7047368	5.1	17.6	1.4	0.2	2.0	1.00	0.05
1475410	608176	7047319	4.9	21.8	1.5	0.2	1.8	0.70	0.10
1475411	608176	7047269	6.8	45.7	3.7	0.2	2.0	0.70	0.09
1475412	608176	7047220	5.1	18.4	1.5	0.2	1.5	0.25	0.06
1475413	608176	7047169	5.1	22.5	1.9	0.2	1.4	0.25	0.11
1475414	608176	7047119	4.1	19.7	1.5	0.2	1.8	0.60	0.06
1475415	608176	7047069	3.1	29.8	2.6	0.2	1.6	0.60	0.16
1475416	608176	7047018	7.1	23.0	1.8	0.2	1.8	0.60	0.10
1475417	608278	7047018	6.8	21.0	1.8	0.2	1.5	0.25	0.13
1475418	608276	7047069	4.4	22.0	1.6	0.2	1.9	0.25	0.11
1475419	608277	7047120	7.0	55.0	5.7	0.2	2.6	0.90	0.22
1475420	608276	7047169	6.4	25.1	1.8	0.2	1.8	0.70	0.07
1475421	608276	7047218	5.4	14.9	1.0	0.2	1.2	0.25	0.07
1475422	608277	7047268	3.7	15.6	1.4	0.1	0.9	0.25	0.05
1475423	608277	7047319	9.5	26.4	2.9	0.3	1.5	0.70	0.11
1475424	608276	7047370	3.3	22.4	1.6	0.2	2.0	0.80	0.06
1475425	608276	7047370	3.2	23.0	1.6	0.2	2.0	0.50	0.06
1475426	608276	7047418	18.1	37.8	3.4	0.2	4.5	2.50	0.18
1475427	608276	7047469	7.6	16.9	1.3	0.2	2.3	1.30	0.07
1475428	608278	7047519	4.7	20.2	2.1	0.2	1.8	0.70	0.13
1475429	608277	7047569	5.5	20.1	1.8	0.3	2.2	1.20	0.13
1475430	608277	7047619	15.0	21.8	2.3	0.2	3.6	2.70	0.06
1475431	608277	7047669	7.2	18.5	1.6	0.3	2.9	1.70	0.11
1475432	608277	7047719	6.2	45.8	3.2	0.2	3.1	1.30	0.16
1475433	608276	7047770	14.0	25.0	2.1	0.2	2.2	1.20	0.16

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1475434	609375	7047019	3.6	8.0	0.5	0.2	1.0	0.50	0.04
1475435	609375	7047067	3.7	8.4	0.5	0.2	0.9	0.50	0.05
1475436	609376	7047118	3.0	20.1	1.4	0.2	1.0	0.70	0.12
1475437	609377	7047169	2.9	16.3	1.6	0.2	1.2	0.25	0.03
1475438	609377	7047222	2.9	16.2	1.1	0.2	1.4	0.60	0.03
1475439	609377	7047271	3.4	13.3	1.0	0.2	1.4	0.25	0.04
1475440	609377	7047320	3.6	7.2	0.6	0.1	1.0	0.25	0.02
1475441	609377	7047369	5.6	10.6	0.8	0.2	1.1	0.60	0.03
1475442	609376	7047420	4.0	13.3	1.2	0.2	1.1	0.70	0.03
1475443	609377	7047470	11.4	12.1	0.9	0.3	1.7	0.25	0.09
1475444	609377	7047520	2.4	12.6	0.7	0.2	1.4	0.25	0.03
1475445	609376	7047568	3.0	11.7	0.7	0.2	1.6	0.25	0.03
1475446	609377	7047619	1.1	5.9	0.4	0.1	0.8	0.60	0.02
1475447	609377	7047667	5.3	33.0	2.9	0.2	3.7	1.00	0.04
1475448	609377	7047720	1.8	9.7	1.0	0.3	1.6	0.80	0.02
1475449	609376	7047769	2.1	9.0	1.7	0.3	2.5	0.70	0.02
1475450	609376	7047769	0.6	6.6	0.7	0.3	1.9	0.80	0.02
1475651	608075	7047470	6.6	53.9	2.7	0.2	1.5	0.80	0.32
1475652	608076	7047421	2.8	39.8	1.5	0.3	2.7	0.80	0.06
1475653	608076	7047370	6.7	54.8	2.5	0.2	2.1	0.90	0.11
1475654	608076	7047321	3.2	21.5	1.2	0.2	1.3	0.60	0.09
1475655	608076	7047268	4.6	32.1	2.3	0.2	3.2	1.90	0.11
1475656	608079	7047219	6.9	25.8	1.4	0.3	1.9	0.90	0.08
1475657	608076	7047169	6.8	41.3	2.7	0.2	1.8	1.00	0.18
1475658	608079	7047120	4.4	17.2	1.2	0.2	1.5	0.70	0.07
1475659	608077	7047068	2.9	17.7	1.5	0.2	1.4	0.50	0.04
1475660	608077	7047020	3.5	24.1	1.7	0.3	1.5	0.50	0.06
1475661	607976	7047020	4.3	17.6	1.1	0.2	1.5	0.25	0.07
1475662	607978	7047068	4.3	40.5	1.8	0.2	1.9	0.90	0.12
1475663	607976	7047118	3.2	60.2	3.0	0.2	2.1	1.90	0.17
1475664	607975	7047166	5.3	22.3	1.4	0.2	1.6	0.80	0.10
1475665	607975	7047218	4.1	23.6	1.3	0.2	2.1	1.10	0.06
1475666	607976	7047268	6.1	35.1	1.5	0.3	2.1	0.70	0.12
1475667	607974	7047319	4.4	28.0	1.5	0.2	1.4	0.60	0.17
1475668	607977	7047368	5.1	31.6	1.7	0.2	1.6	0.70	0.13
1475669	607977	7047418	4.8	30.0	1.2	0.2	1.6	0.70	0.17
1475670	607977	7047468	3.8	24.4	1.3	0.2	1.7	0.50	0.18
1475671	607977	7047520	2.1	22.3	1.4	0.2	1.4	0.60	0.09
1475672	607977	7047568	3.1	26.9	1.6	0.2	1.5	0.60	0.09
1475673	607976	7047620	3.6	23.2	1.3	0.2	1.5	0.50	0.11
1475674	607976	7047669	3.4	23.3	1.2	0.1	3.2	1.40	0.06
1475675	607976	7047669	8.9	25.0	1.4	0.2	3.1	1.50	0.08
1475676	607972	7047719	1.9	120.5	7.1	0.3	3.5	1.40	0.17
1475677	607975	7047768	1.5	4.7	0.4	0.2	0.9	0.60	0.08
1475678	608075	7047768	28.2	36.7	2.4	0.2	2.5	1.20	0.16
1475679	608078	7047721	7.9	38.4	2.4	0.2	3.4	1.50	0.16
1475680	608078	7047670	9.6	69.2	4.5	0.2	4.0	2.20	0.20
1475681	608077	7047620	14.8	73.7	3.6	0.2	3.5	1.00	0.20
1475682	608076	7047571	3.9	33.1	1.5	0.2	1.9	0.60	0.07
1475683	608076	7047519	4.4	37.9	1.9	0.2	1.3	0.90	0.23

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1475684	608776	7047369	9.4	39.0	4.7	0.3	2.7	0.80	0.20
1475685	608777	7047419	18.4	55.1	7.3	0.5	2.7	0.25	0.35
1475686	608778	7047468	17.7	76.2	8.1	0.8	2.9	0.80	0.36
1475687	608777	7047519	13.8	126.6	16.7	0.9	3.3	0.60	0.18
1475688	608776	7047568	6.0	106.4	8.4	0.4	2.3	0.80	0.46
1475689	608776	7047620	4.1	67.4	6.3	0.4	2.2	0.25	0.12
1475690	608778	7047670	8.7	49.3	4.9	0.3	2.1	1.10	0.23
1475691	608775	7047720	6.4	60.2	3.0	0.3	1.6	1.00	0.59
1475692	608778	7047769	4.2	41.2	2.4	0.3	1.2	0.80	0.58
1475693	608875	7047769	0.3	17.2	1.3	0.2	1.0	0.70	0.21
1475694	608876	7047724	2.8	22.1	1.9	0.2	1.2	0.60	0.25
1475695	608876	7047670	6.1	27.9	2.3	0.3	2.1	0.50	0.25
1475696	608879	7047622	7.5	39.4	4.1	0.3	3.1	1.30	0.12
1475697	608876	7047571	12.9	41.5	4.5	0.2	3.2	0.70	0.15
1475698	608874	7047521	8.3	47.7	2.5	0.3	1.8	0.60	0.17
1475699	608776	7047119	6.0	134.8	13.9	0.2	1.5	0.70	0.17
1475700	608776	7047119	5.3	139.9	12.5	0.2	1.6	0.25	0.18
1475726	608876	7047473	26.3	80.8	5.0	0.3	1.7	0.25	0.18
1475727	608876	7047419	12.4	94.1	10.7	0.4	2.4	0.70	0.18
1475728	608872	7047370	70.7	168.3	20.2	0.3	4.8	0.80	0.53
1475729	608871	7047321	19.3	131.8	9.3	0.3	3.6	0.70	0.13
1475730	608876	7047268	19.8	85.2	7.1	0.4	3.2	0.80	0.20
1475731	608877	7047220	30.7	60.4	6.1	0.2	3.6	1.00	0.20
1475732	608875	7047167	14.1	46.2	5.2	0.2	2.0	0.25	0.10
1475733	608875	7047119	10.6	72.3	4.8	0.2	2.0	0.25	0.08
1475734	608875	7047069	8.3	26.2	2.0	0.2	1.3	0.50	0.06
1475735	608876	7047020	0.8	30.0	1.3	0.3	2.3	0.25	0.05
1475736	608776	7047020	4.4	96.2	6.6	0.2	1.2	0.25	0.06
1475737	608777	7047068	12.9	75.5	5.7	0.3	3.0	0.70	0.07
1475738	608774	7047167	3.6	56.4	6.5	0.2	1.5	0.60	0.11
1475739	608775	7047219	7.1	113.5	7.8	0.3	2.3	0.25	0.11
1475740	608777	7047270	10.1	73.8	8.5	0.4	3.1	0.80	0.18
1475741	608777	7047318	9.0	34.9	3.5	0.3	1.9	0.50	0.16
1475742	607577	7047817	3.4	36.5	1.5	0.2	1.2	0.25	0.43
1475743	607578	7047868	3.1	16.2	1.0	0.2	1.5	0.25	0.10
1475744	607581	7047917	3.6	138.5	5.0	0.1	1.5	0.25	1.72
1475745	607577	7047968	3.3	229.6	6.1	0.2	1.6	0.50	1.15
1475746	607579	7048016	5.6	77.4	2.5	0.3	1.2	0.25	0.51
1475747	607577	7048066	6.6	164.7	4.2	0.2	2.3	0.25	1.00
1475748	607576	7048118	4.7	79.2	2.8	0.1	1.3	0.25	0.59
1475749	607675	7047970	2.1	7.0	0.5	0.1	1.0	0.25	0.03
1475750	607675	7047970	0.9	6.9	0.5	0.1	0.9	0.25	0.03
1478436	607376	7047769	5.0	24.8	0.8	0.2	1.2	0.25	0.14
1478437	607376	7047720	5.4	28.8	0.9	0.2	1.2	0.25	0.11
1478438	607376	7047670	5.9	31.8	0.9	0.2	1.1	0.25	0.09
1478439	607372	7047620	5.2	29.2	0.8	0.2	0.9	0.25	0.15
1478440	607376	7047570	3.2	17.6	0.7	0.2	0.9	0.25	0.09
1478441	607376	7047520	5.8	24.4	0.9	0.2	1.0	0.60	0.07
1478442	607376	7047469	2.5	22.2	0.7	0.2	0.9	0.25	0.05
1478443	607376	7047420	6.9	27.0	0.8	0.3	0.9	0.25	0.04

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1478444	607376	7047370	40.1	21.4	4.2	0.3	1.0	0.25	0.12
1478445	607374	7047319	3.6	20.2	0.7	0.2	0.9	0.25	0.06
1478446	607375	7047268	7.4	50.3	1.6	0.2	1.3	0.70	0.08
1478447	607377	7047220	25.6	47.9	1.4	0.2	1.2	0.60	0.12
1478448	607376	7047169	10.3	26.2	0.8	0.2	0.7	0.25	0.07
1478449	607376	7047119	4.2	74.9	1.5	0.3	1.2	0.25	0.24
1478450	607376	7047119	3.1	75.6	1.6	0.2	1.2	0.25	0.24
1520132	609076	7047319	4.7	25.9	1.8	0.2	1.9	0.25	0.06
1520133	609076	7047368	2.2	13.2	1.1	0.2	1.5	0.25	0.05
1520134	609077	7047418	6.4	61.7	7.4	0.3	3.3	0.90	0.08
1520135	609076	7047468	3.3	20.0	1.4	0.2	2.6	0.25	0.07
1520136	609076	7047518	5.3	20.0	1.4	0.2	1.7	0.25	0.02
1520137	609077	7047569	8.7	20.0	1.3	0.2	2.9	0.25	0.06
1520138	609076	7047619	5.7	38.3	3.0	0.2	2.4	0.25	0.18
1520139	609077	7047668	2.7	26.7	2.3	0.1	2.1	0.25	0.14
1520140	609076	7047718	4.8	29.0	2.1	0.3	2.3	0.25	0.10
1520141	607876	7047719	4.1	46.1	1.5	0.1	1.5	0.60	0.11
1520142	607877	7047768	1.6	43.1	6.4	0.2	4.1	2.00	0.04
1520143	607876	7048520	2.0	23.4	1.5	0.2	2.0	0.60	0.16
1520144	607875	7048469	2.6	25.0	1.3	0.2	1.9	0.25	0.32
1520145	607876	7048420	1.5	31.7	1.6	0.2	3.0	0.25	0.12
1520146	607877	7048370	2.0	41.3	1.8	0.2	3.6	0.70	0.15
1532001	607776	7047019	2.2	22.4	1.1	0.2	1.5	0.50	0.07
1532002	607777	7047070	5.9	37.3	1.3	0.2	1.6	0.25	0.16
1532003	607776	7047119	4.2	48.5	1.4	0.2	1.6	0.25	0.20
1532004	607777	7047170	2.4	29.2	1.2	0.2	1.5	0.50	0.12
1532005	607777	7047219	4.3	18.9	0.9	0.2	1.9	0.25	0.05
1532006	607775	7047269	1.5	9.9	0.4	0.1	0.9	0.25	0.02
1532007	607777	7047320	5.0	21.0	0.7	0.2	1.2	0.25	0.06
1532008	607775	7047368	2.2	16.3	0.5	0.1	1.1	0.25	0.05
1532009	607776	7047418	3.8	10.3	0.5	0.2	1.3	0.25	0.03
1532010	607777	7047471	3.0	10.7	0.5	0.1	1.1	0.25	0.02
1532011	607777	7047519	1.2	7.6	0.2	0.1	1.1	0.25	0.02
1532012	607775	7047569	0.8	7.9	0.4	0.2	1.0	0.25	0.03
1532013	607776	7047619	0.3	7.8	0.7	0.1	0.6	0.25	0.01
1532014	607776	7047669	1.7	9.3	0.5	0.2	1.2	0.25	0.03
1532015	607776	7047720	1.0	3.8	0.2	0.1	1.0	0.25	0.01
1532016	607777	7047770	1.4	7.1	0.3	0.1	1.2	0.25	0.02
1532020	607776	7048520	2.3	17.2	0.6	0.2	0.9	0.25	0.18
1532021	607777	7048471	6.9	21.8	0.6	0.2	1.2	0.60	0.21
1532022	607776	7048420	3.6	10.8	0.6	0.1	0.6	0.25	0.36
1532023	607777	7048370	1.2	27.0	0.5	0.1	1.0	0.60	0.41
1532024	607776	7047819	3.0	10.5	0.5	0.2	1.5	0.25	0.04
1532025	607776	7047819	2.7	10.0	0.5	0.2	1.5	0.25	0.04
1532026	607776	7048321	3.6	29.8	0.8	0.2	1.8	0.25	0.22
1532027	607777	7048259	3.3	21.6	0.7	0.1	1.7	0.25	0.08
1532028	607777	7048219	1.5	6.6	0.3	0.1	0.6	0.25	0.08
1532029	607776	7048170	0.3	7.6	0.4	0.1	1.1	0.25	0.08
1532030	607776	7048120	1.9	6.2	0.2	0.1	1.1	0.25	0.10
1532031	607776	7048070	3.2	15.1	0.5	0.1	1.5	0.25	0.10

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1532032	607776	7048020	3.6	5.3	0.3	0.1	1.6	0.25	0.01
1532033	607775	7047970	3.1	12.3	0.5	0.2	2.2	0.25	0.08
1532034	607776	7047921	5.5	23.7	0.8	0.2	3.6	1.10	0.04
1532035	607777	7047869	3.3	9.7	0.6	0.1	1.3	0.25	0.02
1532036	607876	7047020	4.0	41.5	1.7	0.2	2.3	1.00	0.13
1532037	607878	7047068	4.1	26.0	1.4	0.2	2.3	0.70	0.07
1532038	607876	7047119	3.4	19.4	1.1	0.2	1.7	0.50	0.07
1532039	607877	7047168	3.6	20.5	1.2	0.2	1.6	0.60	0.08
1532040	607877	7047218	1.5	25.0	1.2	0.2	1.3	0.25	0.15
1532041	607875	7047268	3.2	37.1	1.3	0.2	1.6	0.25	0.14
1532042	607876	7047318	5.1	41.4	1.3	0.2	1.6	0.25	0.18
1532043	607877	7047369	4.8	25.7	1.2	0.2	1.5	0.25	0.06
1532044	607876	7047419	2.5	25.7	1.0	0.2	1.6	0.25	0.05
1532045	607877	7047468	4.9	41.0	1.9	0.2	1.4	0.60	0.30
1532046	607876	7047518	2.5	6.5	0.3	0.1	2.0	0.70	0.01
1532047	607876	7047568	3.6	5.3	0.3	0.1	1.0	0.80	0.04
1532048	607876	7047619	1.9	3.7	0.2	0.1	0.9	0.25	0.04
1532049	607876	7047669	4.7	17.3	1.1	0.1	1.3	0.70	0.15
1532050	607876	7047669	3.8	13.6	0.9	0.1	1.3	0.60	0.11
1532052	608975	7047769	3.4	25.8	2.6	0.2	2.1	0.60	0.27
1532053	608976	7047720	3.9	24.8	2.3	0.3	2.0	0.70	0.27
1532054	608976	7047669	11.9	31.0	2.5	0.3	2.3	0.90	0.31
1532055	608976	7047621	14.6	48.0	4.3	0.4	2.9	1.40	0.26
1532056	608977	7047570	26.8	66.8	8.3	0.3	4.4	1.40	0.26
1532057	608977	7047521	11.5	62.3	5.4	0.3	2.8	0.60	0.08
1532058	608974	7047470	10.1	62.3	5.4	0.3	2.1	0.50	0.19
1532059	608977	7047419	2.1	18.4	1.7	0.2	2.2	0.25	0.02
1532060	608976	7047370	11.6	18.6	1.8	0.1	1.2	0.25	0.09
1532061	608976	7047319	6.0	31.0	2.6	0.2	2.1	0.25	0.06
1532062	608976	7047268	10.4	32.2	3.2	0.2	1.7	0.25	0.08
1532063	608977	7047220	10.6	27.6	2.5	0.2	2.1	0.25	0.05
1532064	608976	7047170	8.5	29.7	2.7	0.2	1.9	0.25	0.05
1532065	608977	7047120	11.6	26.8	2.1	0.2	1.4	0.25	0.06
1532066	608976	7047070	5.8	25.1	1.9	0.3	2.1	0.50	0.06
1532067	608977	7047019	4.4	20.8	1.4	0.2	1.6	0.50	0.05
1532068	609076	7047020	6.8	16.4	1.3	0.2	1.6	0.25	0.09
1532069	609076	7047068	3.8	18.2	0.8	0.2	1.3	0.50	0.13
1532070	609077	7047117	7.4	17.2	1.2	0.2	1.3	0.25	0.08
1532071	609077	7047168	5.4	18.3	1.1	0.2	1.3	0.25	0.08
1532072	609075	7047217	12.7	18.9	1.0	0.3	1.4	0.25	0.09
1532073	609076	7047269	8.2	25.9	1.8	0.2	1.8	0.25	0.11
1532074	609076	7047768	3.7	30.2	2.9	0.2	1.9	0.25	0.10
1532075	609076	7047768	1.9	27.0	2.8	0.2	1.6	0.25	0.11
1532076	608376	7047018	6.2	25.3	2.4	0.3	2.0	0.25	0.15
1532077	608376	7047069	3.5	9.7	0.7	0.2	1.3	0.25	0.02
1532078	608375	7047119	4.2	9.1	0.6	0.2	1.2	0.25	0.06
1532079	608377	7047169	4.3	22.3	1.9	0.3	1.4	0.60	0.04
1532080	608377	7047218	4.0	12.1	0.9	0.2	1.3	0.25	0.04
1532081	608375	7047269	6.2	14.3	1.4	0.2	1.3	0.25	0.04
1532082	608376	7047319	8.1	18.7	1.8	0.2	1.4	0.25	0.04

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1532083	608376	7047370	4.2	14.6	1.7	0.2	1.0	0.25	0.07
1532084	608377	7047418	28.3	20.9	2.1	0.2	1.2	0.25	0.10
1532085	608376	7047469	4.9	9.5	1.0	0.2	0.7	0.25	0.20
1532086	608376	7047521	6.4	20.4	1.4	0.2	1.8	0.90	0.15
1532087	608378	7047568	5.7	25.1	2.9	0.2	2.0	0.70	0.14
1532088	608376	7047618	4.6	25.9	2.6	0.2	1.7	1.10	0.11
1532089	608377	7047669	16.9	163.7	17.0	0.4	4.9	3.20	0.41
1532090	608376	7047719	7.0	55.1	5.9	0.3	4.4	2.30	0.22
1532091	608378	7047768	6.4	15.5	1.2	0.2	1.4	1.30	0.25
1532092	608474	7047771	4.9	16.4	1.2	0.2	1.4	0.25	0.17
1532093	608477	7047722	6.4	84.3	7.0	0.2	2.5	1.20	0.12
1532094	608476	7047670	8.2	38.2	9.2	0.2	2.2	1.00	0.16
1532095	608476	7047621	3.7	10.0	1.0	0.2	1.4	0.25	0.03
1532096	608477	7047571	3.7	14.0	1.1	0.2	1.9	0.25	0.07
1532097	608476	7047521	7.4	10.8	1.2	0.2	1.4	0.25	0.03
1532098	608476	7047472	6.3	21.1	1.8	0.3	2.1	0.70	0.08
1532099	608475	7047070	3.3	9.3	1.0	0.2	2.1	0.80	0.03
1532100	608475	7047070	5.4	10.1	0.9	0.3	1.9	0.25	0.04
1532101	608476	7047420	7.4	16.7	1.7	0.3	2.6	0.25	0.08
1532102	608476	7047370	11.5	58.1	4.6	0.4	4.9	1.30	0.40
1532103	608475	7047319	0.5	7.0	0.6	0.3	2.8	0.90	0.01
1532104	608475	7047269	3.5	10.8	0.7	0.3	2.4	0.70	0.04
1532105	608476	7047221	4.2	17.2	1.6	0.3	2.1	0.60	0.05
1532106	608475	7047169	5.1	10.4	0.9	0.2	1.6	0.25	0.03
1532107	608476	7047120	5.8	7.7	0.6	0.1	1.0	0.25	0.02
1532108	608478	7047020	3.4	7.3	0.5	0.1	1.1	0.25	0.03
1532109	609577	7047769	0.8	20.6	1.2	0.1	1.0	0.25	0.05
1532110	609577	7047718	0.3	23.7	1.4	0.2	2.0	0.25	0.03
1532111	609577	7047670	1.9	13.8	0.7	0.1	1.3	0.25	0.02
1532112	609577	7047621	5.7	16.5	1.1	0.1	1.3	0.25	0.04
1532113	609576	7047568	1.6	10.3	0.8	0.2	1.2	0.25	0.05
1532114	609576	7047519	1.6	13.0	1.1	0.2	2.0	0.50	0.04
1532115	609576	7047469	5.0	14.7	1.1	0.2	1.6	0.25	0.05
1532116	609576	7047419	6.7	20.0	1.5	0.2	2.2	0.25	0.04
1532117	609577	7047367	3.2	11.7	0.6	0.2	1.4	0.25	0.02
1532118	609576	7047318	4.7	10.2	0.5	0.2	1.3	0.25	0.02
1532119	609577	7047269	3.7	10.0	0.5	0.2	2.3	0.60	0.03
1532120	609576	7047218	2.9	11.1	0.6	0.2	2.0	0.25	0.02
1532121	609575	7047170	5.5	19.8	1.1	0.2	2.1	0.25	0.04
1532122	609577	7047119	5.0	11.6	0.7	0.2	2.6	0.25	0.04
1532123	609576	7047070	3.8	4.3	0.3	0.4	0.6	0.50	0.04
1532124	609675	7047768	1.4	15.2	0.9	0.1	0.9	0.25	0.04
1532125	609675	7047768	4.9	15.0	0.8	0.2	1.0	0.60	0.03
1532126	609576	7047020	2.1	3.1	0.4	0.4	1.1	0.25	0.03
1532127	609677	7047018	5.0	6.0	0.4	0.2	0.9	0.25	0.09
1532128	609676	7047068	5.2	3.9	0.2	0.2	0.5	0.25	0.07
1532129	609677	7047119	3.6	5.9	0.3	0.2	0.5	0.50	0.09
1532130	609677	7047168	2.8	14.3	0.9	0.2	1.4	0.25	0.06
1532131	609676	7047220	3.1	13.5	0.6	0.2	1.4	0.60	0.06
1532132	609678	7047271	2.7	9.4	0.5	0.2	1.4	0.25	0.02

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1532133	609676	7047319	6.9	11.0	0.6	0.1	1.2	0.25	0.01
1532134	609676	7047370	0.8	10.5	0.9	0.1	1.1	0.50	0.02
1532135	609677	7047419	2.7	14.3	0.7	0.2	1.5	0.25	0.02
1532136	609677	7047468	5.5	13.9	1.1	0.2	1.3	0.70	0.05
1532137	609677	7047518	3.9	13.9	1.2	0.2	1.6	0.25	0.05
1532138	609676	7047570	4.8	14.1	1.1	0.2	1.6	0.25	0.05
1532139	609677	7047619	2.2	19.9	1.2	0.2	1.6	0.25	0.04
1532140	609676	7047671	2.3	18.4	1.1	0.2	1.3	0.25	0.04
1532141	609676	7047718	3.0	19.3	0.7	0.1	1.2	0.25	0.04
1532151	608476	7047819	2.3	20.2	1.6	0.2	2.0	0.25	0.09
1532152	608475	7047867	5.6	27.7	3.0	0.2	1.8	1.00	0.23
1532153	608476	7047919	1.2	19.9	2.6	0.2	1.7	0.60	0.10
1532154	608477	7047969	4.7	18.2	1.9	0.2	1.5	0.50	0.10
1532155	608476	7048020	0.3	10.9	1.3	0.4	2.2	0.25	0.02
1532156	608476	7048068	1.4	9.1	0.5	0.4	1.5	0.25	0.02
1532157	608476	7048117	0.3	15.7	0.9	0.4	1.9	0.25	0.03
1532158	608476	7048169	5.8	26.3	1.5	0.4	3.2	0.50	0.13
1532159	608476	7048220	4.1	15.4	1.3	0.4	2.6	0.70	0.05
1532160	608477	7048270	3.2	16.8	1.3	0.3	2.3	0.80	0.08
1532161	608476	7048319	2.2	20.7	1.2	0.3	1.9	0.25	0.06
1532162	608476	7048371	3.4	16.4	0.8	0.3	1.4	0.25	0.08
1532163	608476	7048421	3.8	14.4	0.7	0.3	1.3	0.25	0.07
1532164	608477	7048471	2.9	12.1	0.6	0.4	1.5	0.90	0.05
1532165	608476	7048519	3.3	10.8	0.7	0.3	1.4	1.00	0.06
1532166	608376	7048520	2.0	12.1	0.6	0.3	1.7	0.25	0.04
1532167	608376	7048470	3.3	10.4	0.4	0.3	2.4	1.70	0.02
1532168	608375	7048418	10.5	10.9	0.4	0.3	3.3	1.30	0.01
1532169	608377	7048369	0.7	10.3	0.4	0.3	1.3	1.10	0.01
1532170	608375	7048317	5.2	15.0	1.2	0.3	2.5	0.80	0.03
1532171	608375	7048267	3.9	28.8	1.2	0.3	2.5	0.60	0.07
1532172	608376	7048219	3.2	9.2	0.5	0.4	1.6	0.25	0.07
1532173	608378	7048167	4.5	13.6	0.9	0.4	1.9	0.80	0.05
1532174	608376	7047819	5.0	12.2	0.9	0.2	1.3	0.70	0.23
1532175	608376	7047819	5.0	11.4	0.7	0.2	1.2	1.40	0.20
1532176	608376	7048119	5.4	26.2	1.6	0.4	3.1	1.10	0.03
1532177	608377	7048069	1.6	10.9	0.7	0.3	1.5	0.25	0.02
1532178	608376	7048020	2.4	12.2	1.0	0.3	1.6	0.50	0.06
1532179	608377	7047970	2.7	22.6	2.3	0.2	1.7	0.80	0.11
1532180	608374	7047919	3.8	24.1	1.7	0.2	2.5	0.90	0.36
1532181	608374	7047870	1.9	11.9	0.7	0.1	0.7	1.00	0.15
1532183	608875	7047819	3.2	17.1	1.2	0.2	1.5	0.25	0.17
1532184	608875	7047869	3.5	13.8	1.2	0.2	1.1	0.25	0.14
1532185	608875	7047917	1.7	13.2	1.2	0.2	0.8	0.25	0.12
1532186	608877	7047968	3.4	15.7	1.1	0.4	1.3	0.25	0.09
1532187	608876	7048019	5.8	12.1	0.6	0.2	0.9	0.50	0.10
1532188	608876	7048070	2.3	12.4	0.7	0.2	1.0	0.25	0.09
1532189	608877	7048118	0.3	17.0	0.5	0.2	1.7	0.25	0.06
1532190	608876	7048169	2.8	20.8	0.7	0.2	1.2	0.25	0.09
1532191	608876	7048220	1.8	22.6	0.6	0.2	1.2	0.25	0.05
1532192	608876	7048270	3.1	15.2	0.7	0.2	1.1	0.25	0.08

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1532193	608876	7048320	3.1	14.4	0.9	0.2	1.4	0.60	0.08
1532194	608877	7048370	2.3	24.3	1.6	0.2	1.9	0.25	0.05
1532195	608878	7048420	0.3	16.8	1.2	0.2	1.3	0.25	0.08
1532196	608877	7048470	3.0	10.0	0.4	0.2	1.8	0.50	0.02
1532197	608878	7048518	1.9	14.9	0.7	0.2	1.9	0.25	0.04
1532198	608774	7048519	7.1	24.3	1.0	0.2	3.1	0.25	0.06
1532199	608776	7047820	8.0	53.2	3.1	0.3	1.4	0.25	0.55
1532200	608776	7047820	3.3	47.7	3.1	0.4	1.6	0.90	0.49
1532201	608777	7048470	2.8	51.8	0.5	0.5	3.9	1.80	0.02
1532202	608776	7048419	1.2	13.4	0.4	0.2	3.8	1.60	0.02
1532203	608776	7048371	2.2	8.5	0.2	0.3	2.0	0.25	0.02
1532204	608774	7048322	2.1	13.9	0.5	0.2	2.3	0.50	0.02
1532205	608775	7048272	2.1	13.3	0.6	0.2	1.5	0.25	0.06
1532206	608773	7048221	2.0	13.3	0.6	0.2	1.6	0.25	0.05
1532207	608776	7048167	2.9	15.4	0.8	0.2	1.4	0.25	0.07
1532208	608777	7048122	1.3	18.4	0.6	0.2	1.4	0.25	0.04
1532209	608776	7048070	2.3	17.1	0.5	0.2	0.7	0.25	0.08
1532210	608775	7048020	2.5	9.7	0.5	0.2	0.8	0.25	0.09
1532211	608778	7047970	2.3	12.2	0.6	0.3	0.9	0.25	0.11
1532212	608776	7047922	1.3	18.1	1.0	0.2	1.0	0.25	0.20
1532213	608776	7047870	4.3	21.2	1.2	0.3	0.6	0.50	0.26
1532214	609977	7048517	2.6	10.8	0.9	0.1	1.6	0.25	0.14
1532215	609977	7048471	2.6	8.7	0.6	0.2	1.0	0.25	0.10
1532216	609975	7048422	3.9	9.1	0.6	0.2	1.0	0.25	0.07
1532217	609977	7048371	2.7	17.3	1.1	0.2	1.5	0.60	0.11
1532218	609975	7048322	2.2	13.7	1.5	0.2	1.1	0.25	0.09
1532219	609976	7048270	12.4	28.5	2.9	0.2	1.1	0.25	0.20
1532220	609975	7048220	7.7	14.3	1.3	0.2	1.1	0.25	0.05
1532221	609976	7048172	4.0	15.0	2.0	0.2	1.3	0.25	0.06
1532222	609977	7048120	2.6	13.4	1.0	0.2	1.3	0.25	0.02
1532223	609978	7048071	3.6	12.0	0.9	0.2	0.9	0.25	0.06
1532224	610078	7048519	3.2	16.0	1.6	0.2	1.7	0.70	0.15
1532225	610078	7048519	1.5	15.0	1.6	0.2	1.7	0.70	0.14
1532226	608579	7048768	2.0	8.1	0.5	0.2	1.0	0.25	0.03
1532227	608577	7048820	3.0	8.8	0.6	0.2	1.0	0.25	0.02
1532228	608576	7048869	0.9	10.2	0.5	0.2	1.5	0.25	0.02
1532229	608576	7048919	1.8	9.9	0.5	0.3	1.6	0.25	0.02
1532230	608576	7048972	0.6	8.3	0.6	0.2	1.6	0.60	0.03
1532231	608575	7049020	2.5	7.8	0.5	0.3	2.9	1.10	0.03
1532232	608576	7049069	1.1	8.6	0.6	0.2	1.6	0.50	0.01
1532233	608576	7049123	3.4	19.9	1.5	0.3	2.7	0.60	0.04
1532234	608578	7049169	1.5	13.8	1.1	0.3	2.2	0.25	0.02
1532235	608475	7049168	3.2	10.6	0.6	0.2	1.4	0.25	0.02
1532236	608476	7049119	4.0	13.6	0.9	0.2	1.9	0.25	0.02
1532237	608475	7049067	0.3	10.2	0.8	0.2	1.5	0.25	0.03
1532238	608476	7049018	2.3	11.3	0.8	0.2	1.7	0.25	0.02
1532239	608477	7048966	2.6	12.7	1.1	0.3	2.1	0.50	0.04
1532240	608478	7048919	2.2	9.8	0.6	0.2	1.9	0.25	0.02
1532241	608477	7048869	2.5	10.4	0.7	0.2	1.4	0.25	0.02
1532242	608478	7048820	0.5	7.2	0.5	0.2	1.8	0.25	0.06

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1532243	608477	7048770	1.7	8.5	0.3	0.2	1.3	0.25	0.03
1532244	608476	7048719	3.8	7.4	0.4	0.2	1.1	0.25	0.02
1532245	608477	7048669	5.6	9.4	0.6	0.5	1.5	0.25	0.04
1532246	608476	7048621	2.6	7.7	0.3	0.4	1.7	0.25	0.04
1532247	608476	7048570	1.5	9.8	0.5	0.2	1.2	0.25	0.05
1532248	608377	7048570	2.1	7.6	0.5	0.2	1.3	0.50	0.02
1532249	608375	7048919	13.2	8.6	0.5	0.2	1.2	0.25	0.02
1532250	608375	7048919	2.9	8.3	0.5	0.2	1.3	0.25	0.03
1532251	607778	7049368	0.5	8.7	0.7	0.3	1.1	0.50	0.03
1532252	607778	7049321	2.3	7.6	0.5	0.2	0.9	0.25	0.01
1532253	607776	7049268	1.5	9.3	0.6	0.2	1.6	0.25	0.02
1532254	607778	7049219	0.3	7.8	0.5	0.2	0.9	0.25	0.01
1532255	607776	7049171	2.2	8.3	0.5	0.2	1.0	0.25	0.03
1532256	607778	7049121	0.3	10.2	0.7	0.3	1.3	0.25	0.02
1532257	607776	7049071	3.0	7.3	0.7	0.4	1.4	0.25	0.06
1532276	608375	7049021	1.4	4.3	0.3	0.1	0.8	0.25	0.01
1532277	608375	7048969	3.1	9.1	0.6	0.2	1.5	0.25	0.03
1532278	608176	7049170	1.7	11.4	0.4	0.2	1.7	0.25	0.02
1532279	608177	7049121	2.5	7.9	0.3	0.3	1.1	0.25	0.03
1532280	608177	7049072	3.4	11.3	0.6	0.2	2.0	0.25	0.04
1532281	608177	7049022	3.4	8.5	0.6	0.3	1.1	0.25	0.02
1532282	608177	7048970	1.9	4.9	0.4	0.2	0.9	0.25	0.02
1532283	608177	7048921	3.0	5.5	0.5	0.2	1.0	0.25	0.05
1532284	608176	7048871	5.9	9.7	0.5	0.2	1.5	0.25	0.08
1532285	608177	7048821	3.0	9.1	0.5	0.2	1.4	0.25	0.02
1532286	608176	7048770	4.2	7.6	0.6	0.2	1.0	0.25	0.03
1532287	608176	7048721	4.7	6.5	0.5	0.2	0.8	0.25	0.02
1532288	608176	7048671	4.0	7.4	0.7	0.3	1.0	0.25	0.03
1532289	608177	7048620	5.6	9.8	0.8	0.3	1.7	0.25	0.04
1532290	608176	7048569	2.8	9.0	0.6	0.2	1.2	0.25	0.04
1532351	608076	7048973	0.3	6.0	0.4	0.2	0.9	0.25	0.02
1532352	608076	7049020	0.7	5.8	0.4	0.2	0.8	0.25	0.02
1532353	608077	7049070	0.3	6.1	0.4	0.3	1.0	0.25	0.03
1532354	608077	7049120	3.9	8.1	0.5	0.3	1.2	0.25	0.02
1532355	608076	7049169	14.5	9.1	0.4	0.6	2.0	0.25	0.02
1532356	608077	7048921	1.9	5.4	0.6	0.3	1.3	0.25	0.12
1532357	608075	7048870	0.7	5.3	0.8	0.2	1.1	0.90	0.07
1532358	608077	7048820	0.3	14.6	1.1	0.2	1.6	0.25	0.04
1532359	608076	7048771	0.3	10.5	0.8	0.2	1.3	0.25	0.04
1532360	608077	7048720	1.3	15.2	1.1	0.2	1.6	0.60	0.09
1532361	608077	7048667	0.3	20.4	1.2	0.2	1.8	0.25	0.06
1532362	608077	7048620	1.1	20.2	1.4	0.2	1.8	0.25	0.08
1532363	608077	7048570	0.3	21.9	1.6	0.2	2.1	0.80	0.08
1532376	607877	7048721	5.1	27.7	1.2	0.2	1.5	0.25	0.10
1532377	607877	7048669	11.9	27.4	1.5	0.2	1.7	1.20	0.15
1532378	607876	7048619	3.4	21.5	0.9	0.2	1.5	0.25	0.17
1532379	607875	7048569	8.7	25.3	1.6	0.2	1.7	1.20	0.14
1532380	607776	7049020	2.8	5.8	0.8	0.2	1.2	0.25	0.09
1532381	607775	7048970	4.2	14.8	0.9	0.3	1.8	0.80	0.10
1532382	607775	7048919	3.6	13.8	1.1	0.2	1.7	1.00	0.07

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1532383	607777	7048870	2.3	12.8	0.8	0.2	1.5	0.50	0.04
1532384	607776	7048822	0.7	15.1	0.9	0.2	1.5	0.70	0.11
1532385	607775	7048771	0.6	23.8	1.2	0.2	1.8	0.50	0.11
1532386	607776	7048720	2.9	26.2	1.3	0.2	1.6	0.50	0.14
1532387	607777	7048669	0.7	24.8	0.9	0.2	1.6	0.60	0.13
1532388	607777	7048621	1.0	20.0	0.6	0.2	1.2	0.90	0.15
1532401	607377	7048569	0.9	19.2	0.6	0.2	1.0	0.25	0.10
1532402	607376	7048619	2.0	22.6	0.9	0.2	1.3	0.25	0.17
1532403	607378	7048669	3.1	23.7	1.0	0.2	1.2	0.25	0.14
1532404	607376	7048718	2.0	13.7	0.8	0.1	1.2	0.25	0.13
1532405	607375	7048769	0.3	11.5	0.8	0.2	1.2	0.25	0.13
1532406	607376	7048819	2.1	17.7	0.8	0.1	1.3	0.25	0.13
1532407	607374	7048868	1.6	15.4	0.9	0.1	1.3	0.25	0.08
1532408	607378	7048918	3.6	26.3	1.1	0.2	1.8	0.25	0.23
1532409	607375	7048970	0.3	15.1	1.1	0.1	0.9	0.25	0.16
1532410	607377	7049018	1.3	43.8	1.6	0.2	1.5	0.25	0.12
1532411	607377	7049069	4.2	19.9	1.0	0.2	4.5	1.10	0.09
1532412	607377	7049119	2.0	18.6	1.0	0.2	2.5	0.25	0.16
1532413	607377	7049168	4.8	29.8	1.7	0.2	2.2	0.25	0.16
1532414	607376	7049219	5.1	25.8	1.1	0.2	1.3	0.25	0.24
1532415	607378	7049271	3.7	21.2	1.0	0.2	1.0	0.25	0.17
1532416	607377	7049319	2.6	10.9	0.7	0.2	1.5	1.20	0.08
1532417	607377	7049370	0.3	15.2	1.2	0.2	1.6	0.25	0.04
1532418	607375	7049421	7.1	2.7	0.3	0.6	0.9	0.25	0.02
1532419	607378	7049471	1.5	24.6	1.8	0.3	3.7	0.70	0.09
1532420	607376	7049521	4.2	17.1	1.2	0.2	2.6	0.25	0.06
1532421	607477	7049521	2.0	13.2	0.9	0.3	1.4	0.25	0.02
1532422	607475	7049421	2.2	10.7	0.6	0.2	1.4	2.20	0.06
1532423	607478	7049371	5.7	9.0	0.7	0.2	1.3	0.25	0.02
1532424	607478	7049469	0.5	7.5	0.5	0.1	0.9	0.25	0.02
1532425	607478	7049469	1.1	7.0	0.4	0.2	1.0	0.25	0.01
1532426	607476	7049320	1.9	8.5	0.7	0.2	1.0	0.25	0.03
1532427	607476	7049274	4.2	12.1	0.8	0.2	2.3	1.20	0.07
1532428	607476	7049220	3.6	21.0	3.3	0.6	2.1	0.25	0.10
1532429	607475	7049167	66.5	29.1	4.5	0.6	2.0	0.25	0.07
1532430	607473	7049122	5.6	14.3	1.3	0.3	1.7	0.25	0.03
1532431	607477	7049071	5.9	14.0	1.0	0.2	1.7	0.25	0.05
1533001	607576	7047769	3.5	50.9	1.7	0.2	1.2	0.25	0.27
1533002	607576	7047721	1.3	32.0	1.2	0.2	1.2	0.25	0.15
1533003	607576	7047670	2.2	161.2	3.7	0.2	1.2	0.25	1.69
1533004	607575	7047620	3.7	47.1	1.5	0.2	1.3	0.25	0.23
1533005	607575	7047571	1.9	32.3	1.1	0.2	0.8	0.25	0.16
1533006	607576	7047521	2.2	37.7	1.1	0.2	1.2	0.25	0.16
1533007	607576	7047470	2.9	69.3	1.9	0.2	1.1	0.25	0.45
1533008	607575	7047420	2.1	115.7	2.0	0.2	0.9	0.25	0.31
1533009	607578	7047370	3.0	79.2	1.9	0.2	1.1	0.25	0.80
1533010	607577	7047320	1.2	51.2	1.3	0.2	1.6	0.25	0.15
1533011	607577	7047272	5.2	89.9	2.2	0.2	1.3	0.25	0.38
1533012	607575	7047220	4.2	161.7	3.2	0.2	1.3	0.25	0.45
1533013	607577	7047171	2.4	96.8	2.5	0.2	1.3	0.50	0.61

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1533014	607576	7047121	3.2	45.9	1.2	0.2	1.4	0.25	0.20
1533015	607578	7047069	2.0	86.2	1.7	0.2	1.2	0.25	0.20
1533016	607578	7047020	2.6	64.5	1.8	0.2	0.9	0.25	0.31
1533017	607677	7047020	2.7	28.5	1.1	0.2	1.4	0.25	0.05
1533018	607676	7047067	2.5	25.3	1.3	0.2	1.7	0.70	0.20
1533019	607677	7047116	1.5	48.1	1.7	0.1	1.5	0.25	0.19
1533020	607677	7047166	1.6	16.5	0.6	0.1	1.8	0.60	0.04
1533021	607676	7047219	1.2	2.1	0.1	0.1	0.4	0.25	0.02
1533022	607678	7047267	4.2	66.4	1.2	0.2	1.6	0.25	0.15
1533023	607675	7047316	0.7	25.4	0.7	0.2	1.3	0.25	0.05
1533024	607676	7047367	1.9	33.5	1.1	0.1	1.0	0.50	0.16
1533025	607676	7047367	2.0	51.0	1.4	0.1	1.0	0.50	0.12
1533026	607676	7047419	0.8	20.2	0.7	0.2	1.0	0.25	0.05
1533027	607678	7047468	0.6	5.5	0.3	0.1	0.6	0.25	0.01
1533028	607676	7047519	0.3	12.7	0.7	0.2	1.2	0.25	0.04
1533029	607676	7047568	0.3	9.1	0.8	0.1	1.5	0.25	0.03
1533030	607676	7047619	2.1	11.7	0.8	0.2	1.1	0.25	0.08
1533031	607677	7047669	0.3	4.4	0.2	0.1	0.6	0.25	0.03
1533032	607677	7047718	0.8	9.5	0.6	0.2	1.1	0.25	0.02
1533033	607676	7047768	2.2	16.6	0.9	0.1	1.3	0.25	0.06
1533034	608578	7047018	10.2	11.8	1.0	0.1	0.8	0.25	0.03
1533035	608576	7047069	1.6	6.3	0.4	0.1	0.8	0.25	0.02
1533036	608577	7047119	1.9	5.7	0.5	0.2	1.2	0.25	0.04
1533037	608576	7047169	2.1	7.2	0.5	0.1	1.0	0.25	0.02
1533038	608577	7047218	0.3	4.6	0.4	0.1	1.2	0.25	0.03
1533039	608575	7047268	0.3	5.4	0.5	0.1	1.3	0.25	0.02
1533040	608576	7047318	3.8	9.6	0.7	0.2	1.8	0.50	0.03
1533041	608577	7047368	5.9	6.5	0.5	0.2	1.2	0.25	0.07
1533042	608578	7047420	0.8	7.0	0.5	0.1	1.0	0.25	0.03
1533043	608577	7047469	3.3	7.7	0.6	0.1	1.2	0.25	0.02
1533044	608576	7047517	19.2	8.4	0.6	0.1	0.9	0.60	0.03
1533045	608577	7047568	3.0	7.1	0.6	0.1	1.3	0.70	0.05
1533046	608576	7047618	5.3	7.1	0.7	0.1	0.9	0.25	0.03
1533047	608577	7047667	1.1	7.4	0.6	0.1	1.2	0.50	0.04
1533048	608579	7047720	2.2	10.3	1.1	0.2	1.4	0.90	0.08
1533049	608677	7047120	1.3	10.3	0.9	0.1	0.5	0.25	0.03
1533050	608677	7047120	0.7	4.5	0.4	0.2	0.3	0.50	0.03
1533051	608576	7047768	4.9	8.6	0.6	0.2	0.7	0.80	0.09
1533052	608676	7047769	2.8	15.0	2.1	0.2	1.4	0.25	0.08
1533053	608676	7047719	2.1	14.3	2.2	0.2	1.5	0.60	0.07
1533054	608676	7047670	8.3	21.0	3.8	0.2	1.7	0.25	0.13
1533055	608674	7047619	1.3	15.5	2.6	0.1	1.4	0.25	0.08
1533056	608678	7047571	2.4	54.0	7.0	0.3	2.7	0.25	0.11
1533057	608675	7047520	6.4	9.1	0.7	0.2	1.5	0.25	0.03
1533058	608676	7047471	0.7	7.1	0.6	0.2	1.3	0.25	0.06
1533059	608677	7047420	3.1	6.7	1.3	0.2	1.2	0.25	0.03
1533060	608675	7047369	4.0	8.3	0.8	0.2	1.8	0.60	0.07
1533061	608676	7047320	5.5	8.3	0.8	0.2	2.6	1.00	0.04
1533062	608675	7047270	2.5	10.6	0.7	0.2	1.2	0.25	0.03
1533063	608677	7047019	6.5	109.2	16.7	0.2	2.0	0.90	0.21

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1533064	608676	7047068	4.4	142.9	17.8	0.3	2.6	0.25	0.15
1533065	608677	7047170	4.7	5.4	0.6	0.2	0.8	0.25	0.02
1533066	608677	7047220	3.6	6.3	0.6	0.2	0.7	0.25	0.04
1533077	608174	7047818	7.4	55.1	2.2	0.2	1.5	1.00	0.73
1533078	608176	7047867	9.6	31.1	2.2	0.1	0.7	1.10	0.66
1533079	608178	7047919	4.5	23.7	1.0	0.1	0.9	1.10	0.42
1533080	608178	7047970	4.4	19.5	0.8	0.1	0.8	0.70	0.26
1533081	608177	7048019	2.2	13.0	0.6	0.1	0.6	0.90	0.22
1533082	608176	7048069	2.7	16.7	0.7	0.2	1.0	0.90	0.25
1533083	608175	7048120	2.7	44.9	3.0	0.3	5.2	0.25	0.06
1533084	608176	7048170	2.0	17.7	1.0	0.2	2.6	0.25	0.09
1533085	608177	7048219	3.4	23.6	1.4	0.2	3.1	0.50	0.16
1533086	608177	7048272	1.9	19.4	0.9	0.3	2.5	0.80	0.06
1533087	608179	7048320	1.7	9.3	0.7	0.2	1.7	0.50	0.07
1533088	608177	7048371	2.9	12.5	0.7	0.3	1.8	0.50	0.04
1533089	608177	7048419	2.9	13.1	0.6	0.3	1.9	0.70	0.04
1533090	608177	7048470	3.3	9.9	0.6	0.2	1.5	0.25	0.04
1533091	608176	7048518	4.2	9.9	0.8	0.2	1.4	0.50	0.04
1533092	608277	7048471	4.0	8.9	0.5	0.2	1.6	0.25	0.02
1533093	608276	7048420	3.0	10.4	0.5	0.2	1.3	0.25	0.01
1533094	608275	7048369	5.2	9.4	0.6	0.2	1.3	0.25	0.02
1533095	608276	7048319	3.1	11.5	1.0	0.3	1.6	0.70	0.04
1533096	608276	7048270	3.4	10.4	0.9	0.3	1.4	0.25	0.05
1533097	608276	7048220	12.5	17.4	1.3	0.6	4.3	2.50	0.02
1533098	608275	7048171	3.0	15.3	0.9	0.3	2.6	0.25	0.05
1533099	608276	7048519	7.9	8.4	0.7	0.2	2.0	0.25	0.02
1533100	608276	7048519	10.9	10.4	0.8	0.2	1.3	0.60	0.02
1533101	608277	7048120	2.7	9.1	1.0	0.6	3.7	0.80	0.01
1533102	608276	7048070	1.4	18.7	1.3	0.3	1.9	0.25	0.05
1533103	608275	7048019	1.4	12.2	1.1	0.3	1.3	0.25	0.03
1533104	608276	7047969	2.4	21.9	1.7	0.3	1.4	0.25	0.03
1533105	608277	7047921	-1.0	-1.0	-1.0	-1.0	-1.0	-1.00	-1.00
1533106	608277	7047871	3.2	24.9	1.3	0.1	0.9	0.60	0.33
1533107	608276	7047821	3.4	25.6	1.2	0.1	1.7	0.70	0.28
1533108	608977	7047818	3.5	23.2	1.3	0.3	2.1	0.90	0.15
1533109	608978	7047870	3.8	22.2	1.6	0.3	1.8	0.60	0.13
1533110	608977	7047918	1.3	24.4	1.1	0.2	2.1	0.50	0.10
1533111	608978	7047968	2.4	11.7	0.7	0.2	1.2	0.60	0.11
1533112	608979	7048017	1.1	17.1	0.8	0.2	1.4	0.25	0.12
1533113	608978	7048069	2.0	18.7	0.7	0.3	1.7	0.25	0.05
1533114	608978	7048120	2.5	16.6	0.8	0.2	1.0	0.70	0.12
1533115	608976	7048171	1.8	15.1	0.8	0.2	1.4	0.25	0.06
1533116	608978	7048220	2.3	13.6	0.7	0.3	1.7	0.70	0.05
1533117	608977	7048268	2.3	18.9	0.8	0.3	1.8	0.25	0.07
1533118	608978	7048319	4.3	25.0	1.4	0.3	3.1	0.80	0.09
1533119	608975	7048370	4.7	20.9	1.5	0.3	2.0	0.60	0.10
1533120	608976	7048418	3.2	34.0	0.6	0.2	1.8	0.80	0.02
1533121	608976	7048470	2.8	21.3	0.7	0.3	1.3	0.25	0.04
1533122	609076	7047817	3.1	19.9	1.5	0.2	1.7	0.50	0.10
1533123	609077	7047869	6.9	20.8	1.6	0.3	2.5	0.90	0.24

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1533124	608977	7048519	2.8	13.9	0.9	0.2	1.7	0.80	0.03
1533125	608977	7048519	3.5	13.8	0.9	0.2	1.7	0.25	0.03
1533126	609076	7047919	1.9	21.0	1.2	0.3	2.6	0.60	0.08
1533127	609076	7047968	2.3	23.3	1.1	0.2	1.9	0.70	0.14
1533128	609076	7048018	2.0	18.8	1.0	0.2	1.6	0.60	0.06
1533129	609077	7048070	5.6	31.3	1.7	0.2	2.0	0.50	0.13
1533130	609076	7048120	4.4	33.8	1.1	0.2	1.9	0.25	0.07
1533131	609076	7048168	6.7	14.8	0.8	0.2	1.8	0.25	0.07
1533132	609078	7048220	2.4	10.6	0.7	0.2	1.7	0.25	0.06
1533133	609075	7048268	3.5	14.1	1.0	0.3	1.7	0.25	0.03
1533134	609078	7048320	3.2	19.1	1.2	0.2	2.4	0.25	0.04
1533135	609077	7048371	3.4	26.9	1.9	0.2	2.2	0.60	0.09
1533136	609075	7048418	2.5	18.4	1.2	0.2	2.0	0.60	0.07
1533137	609077	7048468	3.2	26.1	1.8	0.2	2.6	0.25	0.06
1533138	609075	7048519	2.4	19.0	1.1	0.3	2.6	0.60	0.04
1533139	610277	7048268	1.5	7.1	0.7	0.4	0.8	0.25	0.06
1533140	610277	7048320	4.5	21.6	2.5	0.2	1.5	0.25	0.13
1533141	610277	7048370	2.5	21.9	3.1	0.2	1.7	0.60	0.17
1533142	610277	7048420	3.0	22.2	3.1	0.2	1.8	0.25	0.11
1533143	610274	7048470	2.3	26.5	2.5	0.3	2.1	0.25	0.20
1533144	610277	7048518	3.0	16.5	1.6	0.2	1.4	0.60	0.13
1533145	610175	7048520	2.9	18.7	1.6	0.3	2.2	0.60	0.24
1533146	610176	7048469	4.2	26.4	3.4	0.3	2.4	1.10	0.22
1533147	610176	7048420	1.5	19.5	3.3	0.2	1.7	0.25	0.07
1533148	610175	7048369	3.2	17.1	2.6	0.2	1.4	0.60	0.13
1533149	610175	7048319	3.5	24.9	4.6	0.2	2.1	0.90	0.08
1533150	610175	7048319	8.2	19.9	3.1	0.2	1.7	0.60	0.08
1533151	610175	7048270	5.4	20.8	2.5	0.2	1.6	0.60	0.08
1533152	610173	7048220	5.1	19.8	2.0	0.2	1.3	0.25	0.06
1533153	610175	7048170	1.8	16.1	1.9	0.4	2.2	0.25	0.02
1533154	610176	7048120	4.5	21.9	2.2	0.3	1.8	0.60	0.07
1533155	610176	7048070	2.8	36.6	3.7	0.3	2.0	0.70	0.04
1533156	610173	7048019	4.0	16.3	1.3	0.3	1.0	0.70	0.08
1533157	610175	7047970	3.5	22.3	2.0	0.2	1.3	0.50	0.07
1533158	610175	7047919	6.4	16.9	1.3	0.4	1.1	0.25	0.05
1533159	610176	7047870	5.3	18.4	1.4	0.2	1.6	1.10	0.07
1533160	610176	7047819	5.6	17.6	1.4	0.2	1.4	0.60	0.08
1533161	610176	7047769	3.9	24.6	3.2	0.3	2.5	1.00	0.05
1533162	610278	7047770	5.9	9.2	0.6	0.2	1.0	0.25	0.03
1533163	610277	7047818	3.8	16.3	1.5	0.3	1.3	0.50	0.04
1533164	610278	7047870	4.0	22.7	3.5	0.2	1.6	0.70	0.06
1533165	610280	7047921	3.6	21.2	3.1	0.3	1.9	0.90	0.07
1533166	610277	7047970	3.9	17.9	1.7	0.3	1.3	0.25	0.05
1533167	610276	7048020	2.8	15.6	1.3	0.2	1.4	0.25	0.03
1533168	610277	7048071	3.8	20.4	2.8	0.3	1.3	0.70	0.05
1533169	610279	7048119	2.1	14.5	1.3	0.2	1.8	0.25	0.06
1533170	610277	7048169	3.8	16.8	1.3	0.2	1.2	0.25	0.05
1533171	610276	7048221	5.2	15.4	1.1	0.2	0.9	0.25	0.09
1533176	609477	7048569	4.0	11.2	0.7	0.1	1.0	0.25	0.02
1533177	609478	7048618	0.3	8.0	0.4	0.2	1.2	0.25	0.02

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1533178	609478	7048670	6.5	17.0	0.6	0.2	1.2	0.25	0.05
1533179	609476	7048718	1.5	25.4	0.7	0.3	1.5	0.60	0.04
1533180	609477	7048770	3.6	7.5	0.5	0.1	0.7	0.70	0.02
1533181	609476	7048820	2.6	120.6	0.4	0.2	1.4	0.50	0.02
1533182	609478	7048870	7.4	46.0	3.1	0.2	1.5	0.70	0.05
1533183	609476	7048920	7.0	18.5	0.9	0.3	1.7	0.80	0.05
1533184	609476	7048968	5.2	11.7	0.7	0.2	1.6	0.60	0.10
1533185	609678	7049265	0.3	21.2	2.1	0.2	1.4	0.25	0.03
1533186	609676	7049216	3.1	9.5	0.8	0.1	1.2	0.60	0.03
1533187	609676	7049170	7.3	12.2	0.9	0.2	1.4	0.80	0.03
1533188	609675	7049120	2.5	17.2	1.2	0.2	1.2	0.25	0.04
1533189	609678	7049070	3.6	21.4	1.0	0.2	1.8	0.25	0.04
1533190	609677	7049019	4.7	30.9	2.3	0.1	1.4	0.70	0.08
1533191	609676	7048970	1.2	17.8	0.9	0.1	1.3	0.25	0.04
1533192	609677	7048918	3.0	26.7	1.4	0.2	2.0	1.00	0.05
1533193	609676	7048870	1.6	43.9	1.1	0.2	1.3	0.25	0.04
1533194	609677	7048821	3.4	14.1	0.6	0.1	1.1	0.25	0.03
1533195	609676	7048769	2.4	15.7	0.6	0.1	1.6	0.70	0.03
1533196	609675	7048720	4.5	16.8	0.8	0.2	1.6	0.50	0.04
1533197	609677	7048672	2.0	13.6	0.9	0.2	2.1	0.25	0.03
1533198	609677	7048619	1.9	11.1	0.8	0.1	1.3	0.25	0.04
1533199	609674	7048568	4.6	7.8	0.6	0.1	1.3	0.25	0.03
1533200	609674	7048568	1.5	7.6	0.6	0.1	1.1	0.25	0.02
1533201	609577	7048570	0.3	8.4	0.6	0.1	2.7	0.25	0.03
1533202	609579	7048619	0.3	14.0	0.7	0.1	1.5	0.25	0.02
1533203	609576	7048670	0.3	7.7	0.3	0.1	1.2	0.25	0.04
1533204	609577	7048969	4.1	32.3	2.2	0.2	1.5	0.60	0.08
1533205	609577	7048919	4.1	18.3	0.8	0.2	1.2	0.25	0.04
1533206	609576	7048868	3.7	11.3	1.3	0.2	1.2	0.80	0.03
1533207	609575	7048817	0.8	9.9	0.6	0.2	1.5	0.90	0.07
1533208	609576	7048769	1.4	29.2	0.9	0.2	1.2	0.25	0.03
1533209	609576	7048719	5.7	10.7	0.5	0.2	1.1	0.25	0.04
1533751	607478	7048217	2.2	79.9	1.2	0.2	0.8	0.60	0.75
1533752	607479	7048169	3.3	141.0	3.3	0.2	1.6	0.60	1.13
1533753	607477	7048122	3.9	175.6	7.6	0.2	1.4	0.25	0.79
1533754	607479	7048064	3.7	24.6	0.7	0.2	1.1	0.25	0.10
1533755	607477	7048019	3.0	36.0	1.2	0.2	1.0	0.25	0.24
1533756	607477	7047969	4.2	29.9	1.1	0.1	0.9	0.25	0.23
1533757	607476	7047919	0.3	25.9	1.0	0.2	0.9	0.25	0.20
1533758	607478	7047819	2.0	23.4	0.9	0.2	0.9	0.25	0.13
1533759	609175	7048518	3.9	11.2	0.8	0.2	1.2	0.25	0.03
1533760	609176	7048470	3.0	20.4	1.2	0.2	1.9	0.25	0.04
1533761	609175	7048420	4.0	15.9	1.0	0.2	1.9	0.25	0.04
1533762	609177	7048370	5.0	24.5	1.7	0.2	1.7	0.25	0.07
1533763	609174	7048319	2.4	13.6	0.6	0.2	1.8	0.25	0.05
1533764	609176	7048269	2.2	11.9	0.7	0.1	1.6	0.25	0.03
1533765	609178	7048220	1.9	11.9	0.7	0.2	1.4	0.25	0.03
1533766	609174	7048169	3.2	19.2	1.2	0.2	1.7	0.25	0.06
1533767	609175	7048120	3.4	15.2	1.0	0.2	1.5	0.25	0.05
1533768	609179	7048071	4.0	17.9	1.3	0.2	1.6	0.25	0.07

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1533769	609175	7048021	4.6	49.3	2.2	0.3	2.0	0.60	0.24
1533770	609175	7047970	3.1	15.7	1.0	0.2	1.4	0.25	0.12
1533771	609176	7047920	8.3	22.4	1.4	0.2	1.7	0.50	0.09
1533772	609176	7047870	9.7	65.6	3.8	0.2	4.0	1.00	0.18
1533773	609176	7047820	7.4	36.3	2.6	0.2	3.0	0.50	0.11
1533774	609276	7048070	6.0	22.7	1.3	0.2	1.7	0.25	0.11
1533775	609276	7048070	7.5	20.2	1.3	0.2	1.6	0.25	0.07
1533776	608076	7048167	3.6	21.6	1.3	0.2	1.4	0.25	0.12
1533777	608076	7048219	4.5	23.7	1.5	0.2	2.1	0.25	0.19
1533778	608076	7048269	0.9	30.7	1.5	0.3	2.8	0.25	0.03
1533779	608076	7048319	2.2	29.2	1.5	0.3	3.1	0.25	0.10
1533780	608077	7048419	5.4	22.9	1.6	0.3	3.4	0.25	0.16
1533781	608076	7048470	3.5	24.5	1.4	0.4	3.1	0.70	0.16
1533782	608076	7048520	2.4	22.7	1.7	0.2	2.3	0.25	0.17
1533783	607978	7048519	3.4	24.7	1.5	0.3	2.8	0.25	0.06
1533784	607977	7048470	2.0	13.4	1.0	0.3	2.4	0.60	0.03
1533785	607977	7048420	2.8	32.8	2.0	0.2	3.8	0.25	0.25
1533786	607977	7048369	3.8	17.9	1.0	0.2	2.7	0.25	0.22
1533787	607976	7048320	0.3	41.0	2.1	0.3	3.9	0.25	0.04
1533788	607977	7048268	3.8	28.7	1.2	0.2	1.8	0.25	0.19
1533789	607976	7048169	3.5	23.3	1.0	0.1	1.6	0.25	0.09
1533790	607976	7048120	3.4	33.8	2.5	0.2	1.3	0.25	0.18
1533791	607977	7048220	2.7	28.7	1.3	0.2	1.8	0.25	0.14
1533792	607977	7048070	2.6	34.1	1.4	0.1	1.4	0.25	0.05
1533793	607976	7048020	1.0	24.5	0.9	0.1	0.9	0.25	0.06
1533794	607977	7047969	1.1	37.0	1.6	0.1	1.2	0.60	0.37
1533795	607977	7047919	3.3	38.9	1.6	0.1	1.4	1.00	0.33
1533796	607977	7047867	3.8	48.3	2.7	0.1	2.4	0.80	0.35
1533797	607976	7047819	8.5	39.1	1.7	0.2	3.9	2.90	0.14
1533798	608577	7047819	2.0	8.2	0.6	0.1	0.9	0.70	0.06
1533799	608577	7047869	2.4	10.8	0.9	0.2	1.1	0.60	0.09
1533800	608577	7047869	3.2	12.8	1.0	0.2	1.3	0.25	0.12
1533801	608576	7047918	3.9	10.1	1.3	0.2	1.1	0.70	0.08
1533802	608577	7047969	5.6	14.2	1.7	0.2	1.3	0.25	0.04
1533803	608578	7048018	4.7	20.0	2.3	0.2	1.8	0.70	0.12
1533804	608577	7048068	1.3	25.4	1.9	0.3	2.4	0.50	0.05
1533805	608577	7048118	5.7	20.2	1.5	0.3	2.1	0.90	0.13
1533806	608577	7048167	3.7	14.0	1.2	0.3	2.1	0.70	0.08
1533807	608576	7048222	4.1	14.3	1.1	0.4	2.4	0.80	0.03
1533808	608577	7048269	3.4	13.7	1.4	0.3	1.8	0.80	0.08
1533809	608577	7048320	3.9	16.5	1.3	0.2	2.2	0.60	0.07
1533810	608576	7048369	4.5	37.6	1.5	0.3	2.2	0.60	0.07
1533811	608577	7048421	7.3	20.2	0.8	0.3	1.4	0.70	0.08
1533812	608576	7048470	5.3	13.2	0.6	0.4	1.3	0.25	0.06
1533813	608577	7048519	4.2	12.0	0.5	0.3	1.8	0.25	0.04
1533814	608677	7047819	2.3	5.7	0.6	0.2	0.8	0.25	0.10
1533815	608676	7047869	3.4	8.5	0.7	0.2	1.0	0.25	0.08
1533816	608678	7047918	2.2	13.1	0.7	0.2	1.5	0.25	0.09
1533817	608677	7047968	8.2	11.2	0.8	0.2	1.5	0.50	0.08
1533818	608677	7048021	5.1	11.0	0.9	0.2	1.4	0.25	0.07

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1533819	608677	7048068	2.8	11.5	0.6	0.2	1.0	0.60	0.10
1533820	608677	7048120	4.3	10.0	0.8	0.2	1.2	0.25	0.07
1533821	608676	7048168	4.8	17.4	0.8	0.2	1.3	0.70	0.07
1533822	608677	7048218	5.6	20.7	0.8	0.2	1.9	0.70	0.06
1533823	608676	7048268	7.7	18.6	0.7	0.3	1.9	0.70	0.05
1533824	608677	7048318	1.9	9.8	0.3	0.2	2.1	0.60	0.02
1533825	608677	7048318	1.9	9.5	0.3	0.2	2.1	0.80	0.02
1533826	607876	7048320	5.1	47.0	2.2	0.2	2.6	0.50	0.09
1533827	607876	7048270	2.5	44.4	1.8	0.2	2.4	0.25	0.25
1533828	607875	7048219	4.2	63.1	3.1	0.1	2.2	0.50	0.20
1533829	607877	7048170	1.2	47.1	2.6	0.2	1.4	0.25	0.40
1533830	607876	7048120	4.3	73.0	3.4	0.1	1.8	0.25	0.40
1533831	607877	7048070	2.8	12.7	0.6	0.2	1.5	0.25	0.03
1533832	607875	7048019	1.9	9.8	0.3	0.1	2.4	1.10	0.01
1533833	607875	7047969	2.5	5.7	0.2	0.1	1.4	0.25	0.04
1533834	607876	7047919	1.3	11.0	0.4	0.1	1.9	0.60	0.01
1533835	607875	7047870	1.1	12.8	0.5	0.1	1.5	0.70	0.03
1533836	607876	7047819	3.5	23.3	1.2	0.2	2.1	0.70	0.12
1533837	609377	7047818	2.8	8.0	0.4	0.2	1.4	0.25	0.04
1533838	609376	7047868	2.4	12.4	0.8	0.3	1.6	0.25	0.02
1533839	609376	7047919	1.7	23.2	1.2	0.3	2.0	0.25	0.04
1533840	609376	7047968	4.0	15.6	1.3	0.3	1.8	0.25	0.03
1533841	609377	7048019	1.5	22.4	1.5	0.2	2.1	0.25	0.04
1533842	609376	7048069	4.9	25.8	2.3	0.2	2.7	0.25	0.02
1533843	609376	7048118	3.9	33.2	2.9	0.3	2.6	0.80	0.05
1533844	609377	7048169	1.6	11.7	0.8	0.1	1.0	0.25	0.02
1533845	609375	7048219	2.4	24.9	2.1	0.2	2.1	0.50	0.05
1533846	609376	7048270	1.9	8.9	0.7	0.1	1.1	0.25	0.03
1533847	609377	7048320	2.9	28.0	1.5	0.3	1.7	0.50	0.05
1533848	609378	7048370	0.8	18.1	1.3	0.1	1.3	0.25	0.04
1533849	609376	7048419	2.4	10.8	0.7	0.2	1.7	0.50	0.06
1533850	609376	7048419	3.0	10.6	0.7	0.2	1.5	0.60	0.03
1533851	609176	7047068	5.4	17.9	0.9	0.2	1.5	0.25	0.10
1533852	609176	7047019	4.0	16.7	1.1	0.2	1.8	0.50	0.09
1533853	607376	7047819	3.3	27.6	1.1	0.2	1.1	0.25	0.19
1533854	607378	7047869	2.4	182.6	2.8	0.2	1.2	0.25	0.48
1533855	607378	7047919	0.3	63.8	1.2	0.2	1.1	0.25	0.15
1533856	607378	7047970	7.3	42.8	1.0	0.2	0.8	0.25	0.17
1533857	607377	7048018	19.4	81.3	1.0	0.3	1.7	0.50	0.20
1533858	607377	7048069	39.1	139.2	1.3	0.2	1.0	0.50	0.26
1533859	607376	7048120	21.1	54.4	0.7	0.2	1.1	0.60	0.15
1533860	607377	7048170	12.7	59.5	0.9	0.2	1.1	0.50	0.14
1533861	607377	7048219	8.9	34.6	0.9	0.3	1.9	0.60	0.14
1533862	607376	7048268	7.2	17.9	0.7	0.1	1.0	0.25	0.09
1533863	607377	7048319	63.9	21.0	0.8	0.2	1.1	0.25	0.13
1533864	607377	7048369	2.9	16.8	0.7	0.2	0.9	0.25	0.11
1533865	607377	7048419	2.5	69.2	2.0	0.2	1.0	0.25	0.36
1533866	607375	7048469	0.9	18.7	0.7	0.2	1.3	0.25	0.04
1533867	607375	7048520	2.3	59.0	1.8	0.2	1.2	0.25	0.36
1533868	607477	7048520	0.3	13.7	1.0	0.2	0.8	0.25	0.13

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1533869	607476	7048468	2.7	16.0	0.6	0.2	1.0	0.25	0.10
1533870	607479	7048420	2.3	18.7	0.6	0.2	1.1	0.25	0.14
1533871	607478	7048369	1.2	17.3	0.7	0.2	0.8	0.25	0.10
1533872	607477	7048318	2.2	14.5	0.6	0.2	0.9	0.25	0.11
1533873	607478	7048270	4.5	35.6	0.8	0.2	0.9	0.25	0.13
1533874	607477	7047870	1.8	25.4	1.0	0.1	0.9	0.25	0.22
1533875	607477	7047870	0.8	25.1	1.0	0.2	0.8	0.25	0.20
1533876	609476	7047769	0.3	3.8	0.1	0.1	1.8	0.25	0.01
1533877	609475	7047720	4.2	10.6	0.7	0.4	2.0	0.60	0.03
1533878	609476	7047672	4.0	13.0	0.8	0.2	1.8	0.25	0.03
1533879	609475	7047621	2.8	22.4	1.9	0.2	3.7	0.70	0.04
1533880	609474	7047571	2.2	16.2	1.2	0.2	1.7	0.60	0.05
1533881	609475	7047520	4.3	10.9	0.7	0.2	1.0	0.60	0.03
1533882	609476	7047469	1.7	9.9	0.7	0.2	0.9	0.70	0.04
1533883	609475	7047422	3.4	10.2	0.7	0.2	0.8	0.70	0.03
1533884	609475	7047368	5.5	10.1	0.8	0.2	1.4	0.25	0.05
1533885	609476	7047322	1.4	10.9	0.6	0.2	1.4	0.25	0.04
1533886	609476	7047270	1.4	9.5	0.7	0.2	1.3	0.60	0.01
1533887	609476	7047220	5.2	14.6	1.0	0.2	1.6	0.25	0.03
1533888	609476	7047172	3.1	12.8	1.1	0.1	1.3	0.50	0.05
1533889	609476	7047119	2.3	6.7	0.6	0.2	0.4	0.25	0.02
1533890	609476	7047071	1.8	5.6	0.5	0.2	0.6	0.50	0.01
1533891	609476	7047020	6.9	4.1	0.6	0.2	0.8	0.25	0.04
1533892	608077	7047819	6.2	66.5	2.0	0.2	1.9	1.00	0.48
1533893	608076	7047871	7.7	70.6	2.5	0.2	2.1	1.20	0.60
1533894	608077	7047920	7.3	58.6	2.0	0.2	2.4	0.70	0.44
1533895	608076	7047968	3.8	63.2	2.2	0.1	3.2	1.40	0.35
1533896	608076	7048017	3.1	34.3	1.4	0.1	1.0	0.50	0.19
1533897	608076	7048069	3.4	94.6	1.4	0.2	2.1	0.25	0.03
1533898	608077	7048119	3.0	23.2	1.4	0.1	1.3	0.50	0.08
1533899	608076	7048370	4.0	31.0	2.0	0.4	3.4	0.25	0.12
1533900	608076	7048370	3.3	28.8	1.9	0.3	3.4	0.25	0.12
1533901	609376	7048818	3.3	30.4	2.4	0.3	2.2	0.80	0.04
1533902	609377	7048769	4.4	28.3	1.8	0.2	1.5	0.90	0.05
1533903	609376	7048718	2.8	47.5	2.5	0.3	2.0	0.25	0.05
1533904	607976	7049520	0.3	10.7	0.6	1.1	1.1	0.25	0.02
1533905	607976	7049470	30.9	11.3	0.8	0.4	1.1	0.25	0.02
1533906	607975	7049419	3.5	11.1	0.7	0.5	1.3	0.60	0.03
1533907	607975	7049368	3.0	11.0	0.6	0.5	1.6	0.25	0.03
1533908	607976	7049321	0.8	9.0	0.4	0.3	1.4	0.25	0.02
1533909	607976	7049268	4.8	9.1	0.5	0.9	1.6	0.25	0.03
1533910	607976	7049219	3.2	11.6	0.5	0.4	1.4	0.25	0.03
1533912	607976	7049168	4.6	6.8	1.6	0.3	1.4	0.25	0.06
1533913	607977	7049119	0.3	6.9	0.7	0.8	0.9	0.25	0.02
1533914	607975	7049071	0.3	6.8	0.4	0.4	1.5	0.25	0.03
1533915	607979	7049017	0.7	9.5	0.5	0.3	1.2	0.25	0.01
1533916	607977	7048970	4.7	4.5	0.4	0.2	0.9	0.25	0.02
1533917	607975	7048922	2.4	17.6	0.7	0.3	3.5	1.20	0.11
1533918	607977	7048870	1.6	22.0	1.3	0.2	1.7	0.25	0.06
1533919	607977	7048820	0.3	14.8	0.9	0.2	1.4	0.25	0.08

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1533920	607977	7048770	1.2	21.6	1.0	0.2	1.8	0.60	0.08
1533921	607976	7048719	0.3	26.3	1.2	0.2	2.0	0.50	0.08
1533922	607976	7048670	0.3	18.8	1.3	0.3	1.6	0.60	0.11
1533923	607976	7048619	0.3	22.7	1.4	0.2	2.0	0.25	0.11
1533924	607976	7048570	0.3	18.9	1.2	0.2	2.0	0.60	0.13
1533925	607976	7048570	0.7	19.2	1.1	0.3	2.2	0.70	0.16
1533926	609876	7048468	2.6	7.6	0.7	0.1	1.3	0.25	0.07
1533927	609876	7048519	10.3	7.9	0.7	0.1	1.2	0.25	0.08
1533928	609876	7048567	0.9	9.6	0.6	0.1	1.4	0.25	0.08
1533929	609875	7048620	4.2	11.2	0.9	0.2	1.4	0.25	0.15
1533930	609877	7048667	3.5	11.5	0.9	0.2	1.2	0.25	0.10
1533931	609876	7048719	3.9	14.2	1.0	0.2	1.7	0.25	0.14
1533932	609875	7048768	2.8	42.5	0.8	0.2	2.0	0.25	0.03
1533933	609876	7048820	2.2	19.1	0.7	0.2	1.8	0.25	0.05
1533934	609876	7048868	5.9	12.6	0.5	0.3	1.6	0.70	0.15
1533935	609876	7048920	1.5	13.1	0.4	0.2	1.2	0.25	0.04
1533936	609876	7048968	3.3	11.1	0.4	0.2	1.5	0.70	0.07
1533937	609876	7049020	2.3	17.4	0.8	0.2	1.4	0.25	0.04
1533938	609877	7049069	2.7	12.4	0.9	0.2	1.4	0.25	0.03
1533939	609877	7049122	2.4	7.0	0.7	0.2	1.0	0.25	0.02
1533940	609876	7049171	4.0	12.0	0.9	0.2	1.3	0.25	0.02
1533941	609877	7049220	10.4	12.4	1.3	0.1	1.1	0.50	0.05
1533942	609876	7049268	2.7	10.9	1.6	0.2	1.4	0.25	0.03
1533943	609775	7049269	1.9	10.5	1.4	0.2	1.3	0.50	0.03
1533944	609775	7049218	2.8	12.6	1.2	0.2	1.4	0.25	0.03
1533945	609776	7049168	1.8	9.9	0.6	0.2	1.3	0.25	0.03
1533946	609776	7049119	2.5	14.4	0.8	0.2	1.4	0.25	0.02
1533947	609776	7049068	0.3	14.4	1.2	0.1	2.4	0.70	0.03
1533948	609776	7049017	6.1	15.6	0.7	0.2	1.6	0.25	0.06
1533949	609776	7048969	5.2	19.4	0.7	0.2	1.6	0.60	0.08
1533950	609776	7048969	5.8	19.7	0.7	0.2	1.4	0.50	0.08
1533951	609376	7048471	1.9	16.2	0.9	0.2	1.1	0.25	0.03
1533952	609376	7048519	4.0	9.8	0.5	0.2	1.4	0.60	0.05
1533953	609476	7048519	3.2	8.3	0.7	0.1	1.0	0.25	0.02
1533954	609477	7048470	3.5	39.5	2.0	0.2	1.3	0.25	0.04
1533955	609476	7048420	2.4	41.1	1.6	0.2	1.9	0.25	0.04
1533956	609476	7048370	7.3	28.4	2.1	0.2	1.4	0.25	0.09
1533957	609476	7048319	3.7	24.0	1.7	0.1	2.0	0.25	0.02
1533958	609477	7048270	3.9	10.9	0.7	0.2	1.5	0.25	0.03
1533959	609476	7048220	2.2	13.2	0.8	0.2	1.3	0.25	0.04
1533960	609477	7048172	5.9	13.2	0.8	0.2	1.7	0.25	0.02
1533961	609476	7048120	0.3	13.5	0.8	0.2	1.7	0.25	0.02
1533962	609476	7048068	2.3	10.4	0.6	0.1	0.9	0.25	0.04
1533963	609476	7048019	5.6	8.5	0.5	0.1	1.1	0.25	0.05
1533964	609476	7047970	1.9	10.7	0.8	0.1	1.2	0.25	0.05
1533965	609476	7047920	0.3	4.6	0.3	0.1	2.3	0.25	0.01
1533966	609476	7047870	0.7	10.8	0.9	0.1	1.9	0.25	0.01
1533967	609477	7047818	0.7	11.5	0.7	0.1	1.6	0.25	0.03
1533968	610277	7049270	5.6	11.6	1.0	0.2	1.3	0.25	0.05
1533969	610276	7049221	2.8	11.1	0.4	0.2	1.4	0.25	0.01

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1533970	610277	7049171	3.2	16.9	0.4	0.2	1.7	0.60	0.01
1533971	610276	7049119	4.7	13.4	0.8	0.2	1.4	0.25	0.06
1533972	610276	7049070	3.9	41.1	1.0	0.2	1.4	0.25	0.03
1533973	610276	7049019	5.0	15.6	1.2	0.3	1.5	0.25	0.04
1533974	610276	7048970	1.8	11.1	1.0	0.2	1.4	0.25	0.09
1533975	610276	7048970	3.3	11.3	1.1	0.2	1.3	0.50	0.08
1533976	609275	7047319	2.4	13.5	0.8	0.2	1.3	0.60	0.03
1533977	609277	7047367	1.4	10.7	0.6	0.2	1.3	0.25	0.04
1533978	609275	7047417	5.9	11.0	0.8	0.2	1.1	0.25	0.04
1533979	609279	7047466	1.4	7.3	0.7	0.1	1.2	0.25	0.02
1533980	609276	7047519	2.4	23.8	1.3	0.2	1.9	0.70	0.02
1533981	609277	7047568	1.1	8.6	0.6	0.1	1.1	0.25	0.02
1533982	609278	7047619	1.2	9.6	0.8	0.1	1.2	0.25	0.01
1533983	609275	7047671	0.3	9.3	0.6	0.2	1.0	0.25	0.02
1533984	609275	7047720	4.6	22.9	0.8	0.2	1.7	0.60	0.06
1533985	609277	7047768	4.9	8.9	0.4	0.2	1.4	0.25	0.06
1533986	609175	7047767	9.0	45.7	4.2	0.3	5.2	2.20	0.16
1533987	609177	7047720	5.7	31.3	2.2	0.3	2.5	0.90	0.05
1533988	609176	7047671	1.6	10.3	0.7	0.2	1.3	0.25	0.05
1533989	609175	7047620	1.8	96.0	7.5	0.4	2.9	0.80	0.06
1533990	609175	7047569	1.2	18.6	1.0	0.2	2.0	0.25	0.03
1533991	609177	7047520	1.4	11.0	0.7	0.2	1.1	0.25	0.01
1533992	609177	7047469	1.3	10.6	0.7	0.2	1.4	0.25	0.02
1533993	609177	7047421	8.8	27.4	1.6	0.2	2.1	0.70	0.06
1533994	609176	7047369	2.2	10.7	0.7	0.2	1.4	0.25	0.03
1533995	609176	7047320	3.6	14.7	1.0	0.2	1.4	0.25	0.06
1533996	609176	7047270	4.5	20.0	1.3	0.2	1.5	0.25	0.05
1533997	609176	7047220	9.2	16.7	0.8	0.2	1.5	0.25	0.05
1533998	609175	7047170	6.6	18.7	1.3	0.2	1.1	0.25	0.04
1533999	609177	7047120	3.1	16.4	0.9	0.2	1.1	0.60	0.12
1534000	609177	7047120	4.6	13.9	0.8	0.2	1.1	0.50	0.10
1534251	609277	7047819	0.3	49.4	1.8	0.3	1.7	0.25	0.06
1534252	609278	7047869	2.6	23.3	1.8	0.3	2.5	0.60	0.05
1534253	609276	7047921	7.4	35.8	2.2	0.3	2.5	0.25	0.10
1534254	609278	7047970	9.2	121.9	5.7	0.3	4.5	1.60	0.16
1534255	609275	7048021	5.1	30.7	1.7	0.2	2.3	0.80	0.08
1534256	609277	7048119	2.6	7.3	0.4	0.2	1.1	0.25	0.06
1534257	609277	7048168	5.3	13.6	0.7	0.1	1.4	0.25	0.02
1534258	609276	7048221	2.0	10.6	0.7	0.1	1.1	0.25	0.02
1534259	609278	7048269	1.5	12.1	0.8	0.2	1.6	0.25	0.02
1534260	609277	7048320	30.7	22.9	1.3	0.2	2.0	0.50	0.03
1534261	609275	7048371	2.4	28.6	1.5	0.2	2.2	0.25	0.04
1534262	609277	7048420	3.8	16.4	1.1	0.2	1.9	0.25	0.03
1534263	609276	7048469	2.5	14.5	0.9	0.2	1.1	0.50	0.03
1534264	609277	7048518	3.4	9.6	0.5	0.1	1.2	0.25	0.02
1534265	610077	7048520	1.2	22.3	1.9	0.2	1.9	0.70	0.19
1534266	610076	7048570	1.4	14.9	1.2	0.2	1.3	0.25	0.21
1534267	610078	7048619	1.4	15.4	1.1	0.2	1.4	0.25	0.19
1534268	610078	7048670	2.8	13.3	1.0	0.2	1.3	0.60	0.15
1534269	610076	7048721	2.1	15.9	1.1	0.2	1.4	0.25	0.14

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1534270	610074	7048768	3.8	14.5	0.8	0.2	1.1	0.25	0.12
1534271	610076	7048820	4.0	12.8	1.0	0.1	1.5	0.25	0.15
1534272	610074	7048869	1.3	19.5	0.8	0.2	1.3	0.25	0.08
1534273	610077	7048920	6.0	12.8	0.6	0.2	1.4	0.25	0.10
1534274	610076	7048971	6.3	11.0	0.6	0.3	1.3	0.25	0.12
1534275	610076	7048971	4.2	10.4	0.6	0.2	1.3	0.60	0.10
1534276	608676	7048370	3.7	16.5	0.9	0.2	1.9	0.25	0.07
1534277	608676	7048420	3.4	9.9	0.5	0.2	2.5	1.00	0.02
1534278	608676	7048469	3.5	12.5	0.5	0.2	2.1	0.70	0.04
1534279	609777	7048018	5.1	12.5	0.9	0.2	1.3	0.25	0.05
1534280	609778	7047918	3.7	10.3	0.8	0.2	0.8	0.25	0.07
1534281	609778	7047970	2.5	11.4	0.8	0.2	1.1	0.25	0.05
1534282	608677	7048521	5.0	9.2	0.5	0.5	1.9	0.25	0.03
1534283	609777	7047769	3.3	9.4	0.7	0.2	0.8	0.25	0.04
1534284	609778	7047818	3.8	10.7	0.7	0.2	0.6	0.25	0.05
1534285	609777	7047868	4.0	11.3	0.8	0.2	1.0	0.60	0.08
1534301	609177	7048569	2.9	12.0	0.8	0.2	1.9	0.25	0.02
1534302	609176	7048619	0.3	14.5	0.8	0.2	1.4	0.70	0.03
1534303	609176	7048669	6.1	25.5	2.5	0.2	1.9	0.70	0.02
1534304	609175	7048719	2.9	14.1	1.0	0.2	1.4	0.50	0.04
1534305	609174	7048772	4.4	17.5	1.1	0.2	1.6	0.60	0.04
1534306	609177	7048820	1.5	12.8	0.6	0.2	1.5	0.60	0.03
1534307	609175	7048869	14.8	11.0	0.7	0.2	1.1	0.25	0.01
1534308	609176	7048920	1.5	5.7	0.4	0.1	0.8	0.25	0.01
1534309	609176	7048969	0.3	6.4	0.3	0.1	1.1	0.50	0.01
1534310	609276	7048969	8.0	10.4	0.6	0.2	1.1	0.50	0.03
1534311	609277	7048920	6.5	7.2	0.4	0.3	2.5	1.00	0.01
1534312	609276	7048869	4.4	11.7	0.8	0.2	1.3	0.25	0.03
1534313	609276	7048821	2.5	25.2	2.2	0.2	1.8	0.70	0.09
1534314	609276	7048769	3.1	25.9	1.3	0.2	2.4	1.10	0.02
1534315	609277	7048719	3.0	10.3	0.5	0.2	1.4	0.25	0.02
1534316	609277	7048669	1.5	10.9	0.6	0.2	1.7	0.60	0.02
1534317	609276	7048619	3.2	13.3	0.8	0.2	2.0	0.50	0.04
1534318	609276	7048570	14.3	12.3	0.7	0.2	1.6	0.25	0.03
1534319	609376	7048569	3.9	10.4	0.5	0.2	1.2	0.25	0.03
1534320	609376	7048620	6.5	14.9	0.9	0.2	1.6	0.60	0.04
1534321	609376	7048969	4.1	8.4	0.6	0.1	1.0	0.70	0.02
1534322	609376	7048919	2.3	15.0	0.9	0.2	1.4	0.25	0.06
1534323	609376	7048869	6.4	11.5	0.8	0.2	2.0	1.00	0.05
1534324	609376	7048666	1.2	11.4	0.7	0.2	1.5	0.25	0.03
1534325	609376	7048666	10.9	11.2	0.8	0.2	1.4	0.25	0.03
1534326	609075	7048969	1.4	29.8	2.5	0.2	2.3	0.60	0.08
1534327	607677	7048568	9.4	14.5	0.6	0.2	1.3	0.60	0.07
1534328	607676	7048618	2.8	14.9	1.3	0.2	1.2	0.50	0.13
1534329	607676	7048668	2.7	30.6	2.1	0.3	2.0	0.25	0.07
1534330	607677	7048719	0.7	19.2	1.2	0.2	1.3	0.25	0.08
1534331	607677	7048770	0.9	22.7	1.4	0.3	2.6	0.80	0.06
1534332	607676	7048820	0.3	20.7	1.2	0.3	2.5	0.25	0.03
1534333	607675	7048869	6.9	39.9	2.8	0.2	2.8	0.25	0.10
1534334	607677	7048919	1.7	26.7	1.8	0.4	2.9	0.25	0.14

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1534335	607677	7048970	0.8	20.8	1.7	0.3	2.1	0.25	0.04
1534336	607677	7049019	4.9	33.7	2.9	0.4	2.7	0.50	0.20
1534337	607674	7049068	3.1	22.1	2.0	0.3	2.1	0.25	0.07
1534338	607677	7049120	1.5	4.3	0.4	0.2	0.9	0.25	0.02
1534339	607675	7049169	4.7	4.6	0.3	0.2	1.0	0.25	0.03
1534340	607678	7049221	5.0	9.9	0.6	0.2	1.2	0.25	0.02
1534341	607677	7049270	3.4	8.0	0.4	0.3	1.0	0.25	0.02
1534342	607675	7049320	7.4	7.6	0.5	0.2	0.9	0.25	0.01
1534343	607677	7049369	0.8	7.7	0.4	0.2	1.0	0.25	0.02
1534344	607677	7049420	2.7	6.4	0.4	0.2	1.0	0.25	0.03
1534345	607676	7049468	2.3	9.7	0.9	0.1	1.2	0.25	0.02
1534346	607675	7049519	4.6	9.1	0.8	0.2	1.0	0.25	0.04
1534347	607776	7049520	4.5	8.3	0.6	0.2	0.6	0.25	0.03
1534348	607778	7049469	3.5	8.8	0.8	0.2	0.9	0.25	0.02
1534349	607776	7049420	2.2	7.8	0.7	0.2	0.8	0.25	0.02
1534350	607776	7049420	1.9	9.3	0.7	0.2	0.9	0.25	0.02
1534376	610276	7048920	2.5	12.1	1.4	0.2	1.4	0.25	0.11
1534377	610277	7048870	3.2	18.3	2.3	0.2	2.1	1.00	0.15
1534378	610277	7048820	4.6	19.2	1.8	0.2	1.2	0.25	0.23
1534379	610275	7048769	5.5	15.0	1.1	0.2	1.0	0.25	0.16
1534380	610277	7048721	2.4	21.0	1.5	0.2	1.3	0.25	0.22
1534381	610276	7048670	12.6	14.5	1.5	0.2	1.4	0.25	0.17
1534382	610276	7048620	4.0	21.4	2.2	0.4	3.7	1.40	0.03
1534383	610276	7048570	4.2	26.5	2.4	0.4	2.7	1.10	0.24
1534384	610176	7048570	4.4	27.5	1.5	0.2	2.3	0.90	0.51
1534385	610177	7049270	5.9	10.7	0.7	0.2	1.3	0.25	0.06
1534386	610176	7049218	3.1	12.6	0.7	0.2	1.2	0.25	0.05
1534387	610175	7049170	3.5	14.7	1.0	0.2	1.1	0.25	0.06
1534388	610177	7049119	3.6	11.4	0.9	0.3	1.0	0.25	0.07
1534389	610177	7049070	3.0	16.2	0.7	0.2	1.3	0.25	0.04
1534390	610177	7049019	10.9	19.5	1.0	0.2	1.3	0.25	0.08
1534391	610177	7048970	2.3	14.7	1.3	0.2	1.2	0.25	0.12
1534392	610177	7048919	4.1	12.9	1.0	0.1	1.0	0.25	0.15
1534393	610177	7048870	2.2	17.0	1.3	0.2	1.1	0.25	0.12
1534394	610176	7048818	4.9	11.0	0.7	0.1	0.9	0.25	0.18
1534395	610178	7048769	2.8	12.7	0.8	0.1	0.8	0.25	0.21
1534396	610177	7048719	6.5	14.6	1.3	0.2	1.2	0.25	0.21
1534397	610177	7048669	3.6	16.4	1.0	0.2	1.2	0.60	0.29
1534398	610175	7048619	10.2	25.3	1.6	0.2	2.2	0.60	0.61
1534401	609777	7048068	7.1	12.9	0.8	0.2	1.2	0.25	0.03
1534402	609776	7048118	4.0	14.2	1.2	0.2	1.3	0.25	0.27
1534403	609777	7048170	2.2	33.1	1.5	0.1	1.3	0.25	0.13
1534404	609777	7048217	2.1	13.1	1.3	0.2	0.8	0.25	0.44
1534405	609776	7048269	2.0	9.0	0.6	0.2	1.2	0.25	0.03
1534406	609777	7048318	1.3	7.5	0.7	0.2	1.1	0.25	0.05
1534407	609777	7048368	3.5	8.4	0.6	0.1	1.6	0.50	0.03
1534408	609777	7048418	5.3	11.0	0.7	0.1	1.0	0.25	0.03
1534409	609776	7048467	2.4	8.1	0.5	0.1	1.9	0.25	0.04
1534410	609776	7048518	3.7	10.8	1.6	0.1	1.3	0.70	0.13
1534411	609877	7047769	2.4	9.6	0.6	0.2	0.8	0.25	0.02

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1534412	609877	7047818	2.3	9.3	0.7	0.2	0.8	0.25	0.04
1534413	609877	7047868	3.5	7.9	0.7	0.1	0.6	0.25	0.06
1534414	609877	7047918	2.0	11.7	1.0	0.2	1.0	0.25	0.03
1534415	609877	7047969	2.2	11.0	0.7	0.2	1.1	0.25	0.03
1534416	609877	7048017	4.2	13.5	1.0	0.2	1.3	0.25	0.04
1534417	609877	7048069	6.2	9.1	0.7	0.2	1.0	0.25	0.04
1534418	609877	7048118	1.2	16.2	1.8	0.2	1.2	0.50	0.04
1534419	609876	7048169	1.6	9.1	0.6	0.3	1.3	0.25	0.03
1534420	609877	7048221	6.5	8.6	0.7	0.2	0.9	0.25	0.04
1534421	609876	7048268	3.3	7.7	0.7	0.1	0.9	0.25	0.03
1534422	609876	7048319	5.8	12.0	0.8	0.1	0.8	0.25	0.15
1534423	609876	7048368	2.8	15.8	1.0	0.1	1.0	0.25	0.07
1534424	609875	7048418	1.1	6.4	0.6	0.1	0.9	0.25	0.03
1534425	609875	7048418	1.6	7.0	0.7	0.1	1.0	0.25	0.04
1534426	610076	7049020	7.4	7.5	0.5	0.2	1.5	0.25	0.14
1534427	610077	7049069	4.9	10.6	0.5	0.2	1.2	0.25	0.03
1534428	610077	7049120	4.9	9.8	0.6	0.2	1.2	0.25	0.06
1534429	610074	7049169	3.1	12.6	0.8	0.3	1.6	0.25	0.08
1534430	610073	7049221	1.4	8.6	0.7	0.2	1.0	0.25	0.04
1534431	610076	7049269	3.5	9.0	0.9	0.2	1.0	0.25	0.04
1534432	609976	7049268	2.5	10.5	1.8	0.2	1.1	0.25	0.05
1534433	609974	7049219	4.4	10.3	0.7	0.3	1.1	0.25	0.03
1534434	609976	7049168	0.9	10.0	0.7	0.2	1.1	0.50	0.05
1534435	609976	7049122	3.4	9.8	1.0	0.2	1.5	0.25	0.03
1534436	609976	7049070	2.3	13.2	0.7	0.2	1.3	0.60	0.07
1534437	609977	7049020	2.3	8.4	0.4	0.2	1.3	0.25	0.06
1534438	609977	7048968	3.2	6.7	0.4	0.2	1.4	0.25	0.04
1534439	609978	7048919	2.8	12.6	0.4	0.2	1.4	0.25	0.07
1534440	609977	7048870	2.8	17.0	0.5	0.2	1.6	0.60	0.08
1534441	609978	7048821	2.9	12.3	0.5	0.2	1.4	0.25	0.06
1534442	609977	7048770	2.6	15.0	0.9	0.3	1.0	0.25	0.13
1534443	609975	7048721	5.5	5.5	0.3	0.2	0.8	0.60	0.12
1534444	609975	7048669	2.2	9.6	0.6	0.2	1.1	0.60	0.09
1534445	609976	7048620	3.8	15.5	0.9	0.2	1.5	0.70	0.15
1534446	609975	7048571	2.7	13.4	0.9	0.2	1.3	0.60	0.21
1534447	608877	7048570	4.3	12.4	0.5	0.3	1.6	0.25	0.02
1534448	608878	7048621	5.9	18.6	0.7	0.2	1.4	0.25	0.02
1534449	608876	7048670	5.4	14.0	0.5	0.2	1.3	0.25	0.05
1534450	608876	7048670	2.9	15.5	0.5	0.2	1.4	0.25	0.03
1534451	609776	7048920	2.5	22.3	1.1	0.2	1.2	0.25	0.03
1534452	609775	7048869	2.9	15.5	0.7	0.2	1.3	0.60	0.04
1534453	609777	7048819	3.7	55.6	2.3	1.0	2.6	1.10	0.03
1534454	609776	7048768	2.9	30.4	1.5	0.1	2.1	0.60	0.05
1534455	609777	7048719	7.6	40.6	1.8	0.2	2.3	0.70	0.14
1534456	609776	7048670	6.2	20.2	1.5	0.2	2.0	0.70	0.13
1534457	609776	7048619	4.4	11.3	0.7	0.2	1.2	0.25	0.07
1534458	609776	7048570	2.7	21.2	1.6	0.2	1.2	0.50	0.08
1534459	608277	7048571	1.7	7.6	0.7	0.2	1.5	0.25	0.03
1534460	608277	7048619	0.3	8.8	0.7	0.2	0.9	0.25	0.05
1534461	608278	7048669	0.8	10.4	0.6	0.2	0.9	0.25	0.05

Sample No.	EastN83Z7	NorthN83Z7	Au-ppb	As-ppm	Sb-ppm	Bi-ppm	Mo-ppm	Se-ppm	Hg-ppm
1534462	608277	7048719	4.8	9.1	0.6	0.2	0.9	0.25	0.05
1534463	608278	7048768	7.2	10.4	0.8	0.4	1.8	1.20	0.11
1534464	608276	7048819	1.6	8.8	0.5	0.3	1.7	0.25	0.02
1534465	608276	7048870	0.7	8.8	0.5	0.3	1.2	0.25	0.02
1534466	608276	7048920	0.3	6.1	0.4	0.2	0.9	0.25	0.02
1534467	608277	7048972	3.3	9.5	0.5	0.2	1.2	0.25	0.02
1534468	608278	7049021	7.7	8.1	0.5	1.2	0.9	0.25	0.02
1534469	608277	7049072	1.3	11.5	0.6	0.2	1.8	0.25	0.03
1534470	608276	7049120	5.0	11.8	0.6	0.2	1.5	0.25	0.01
1534471	608277	7049169	13.2	12.6	0.8	0.2	1.7	0.50	0.04
1534472	608375	7049169	4.1	10.7	0.6	0.2	1.5	0.70	0.02
1534473	608375	7049117	1.0	11.6	0.6	0.2	1.7	0.25	0.02
1534474	608375	7049071	2.8	11.6	0.3	0.2	2.9	0.80	0.03
1534475	608375	7049071	3.2	8.8	0.4	0.2	5.1	0.90	0.02
1534476	608875	7048719	2.0	17.8	0.6	0.2	1.5	0.25	0.03
1534477	608877	7048770	3.9	11.8	0.7	0.2	1.4	0.25	0.04
1534478	608876	7048820	14.2	16.8	1.0	0.2	2.1	0.25	0.04
1534479	608877	7048869	2.6	13.9	1.0	0.2	1.7	0.25	0.05
1534480	608875	7048920	6.6	10.8	0.7	0.2	1.4	0.25	0.03
1534481	608874	7048969	4.2	12.1	0.8	0.2	1.4	0.25	0.04
1534482	608976	7048971	2.7	10.3	0.5	0.4	1.7	0.25	0.03
1534483	608977	7048920	0.6	22.6	1.1	0.3	2.0	0.25	0.02
1534484	608977	7048870	2.1	11.1	0.6	0.2	1.1	0.50	0.03
1534485	608976	7048820	2.5	12.9	0.6	0.2	1.6	0.25	0.02
1534486	608979	7048769	1.6	19.4	0.4	0.3	1.6	0.25	0.01
1534487	608976	7048721	0.6	15.6	0.3	0.3	1.7	0.60	0.02
1534488	608978	7048667	7.0	26.7	0.5	0.3	1.5	0.25	0.03
1534489	608977	7048620	1.1	18.5	0.5	0.3	1.4	0.25	0.02
1534490	608977	7048570	1.9	16.1	0.8	0.2	2.0	0.70	0.03
1534491	609076	7048572	1.8	19.3	1.1	0.3	2.4	0.90	0.05
1534492	609077	7048618	1.9	12.1	0.7	0.2	1.8	0.25	0.03
1534494	609076	7048670	2.4	18.7	1.1	0.2	2.0	0.60	0.03
1534495	609076	7048718	0.3	12.2	0.7	0.2	1.5	0.25	0.02
1534496	609077	7048768	2.9	19.1	1.4	0.3	1.7	0.25	0.03
1534497	609077	7048818	2.5	14.1	0.9	0.3	1.7	0.60	0.02
1534498	609077	7048919	1.4	12.6	0.8	0.2	1.1	0.25	0.03
1534499	609076	7048869	3.0	12.2	0.8	0.2	1.2	0.25	0.03
1534500	609076	7048869	2.1	12.9	0.7	0.2	1.4	0.25	0.02

Appendix III

SOIL ANALYTICAL CERTIFICATES



BUREAU VERITAS MINERAL LABORATORIES
Canada

www.bureauveritas.com/um

Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
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Client: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6 Canada

Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: August 09, 2017
Report Date: August 31, 2017
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI17000528.1

CLIENT JOB INFORMATION

Project: ERK
Shipment ID: ERK-20170806-001-SOIL
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

Invoice To: Ground Truth Exploration Inc.
Box 70
Dawson Yukon Y0B 1G0
Canada

CC: Isaac Fage
Jodie Gibson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	319	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	320	Per sample shipping charges for branch shipments			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. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: ERK
Report Date: August 31, 2017

Page: 2 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P		
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001		
1533025	Soil	1.0	27.0	9.6	97	<0.1	26.3	20.9	707	4.74	51.0	1.7	2.0	6.0	11	0.2	1.4	0.1	86	0.13	0.024	
1533015	Soil	1.2	19.3	12.8	55	0.2	21.2	8.3	384	2.74	86.2	0.8	2.0	3.2	28	0.2	1.7	0.2	64	0.29	0.028	
1533019	Soil	1.5	37.6	7.5	99	0.2	31.1	18.9	479	3.72	48.1	1.4	1.5	4.0	18	0.4	1.7	0.1	81	0.28	0.064	
1533012	Soil	1.3	29.5	12.6	55	<0.1	28.9	11.0	633	3.13	161.7	1.0	4.2	6.1	13	0.1	3.2	0.2	65	0.12	0.031	
1533032	Soil	1.1	10.9	13.9	57	<0.1	18.5	12.6	350	3.11	9.5	1.0	0.8	6.7	10	0.2	0.6	0.2	59	0.12	0.038	
1533014	Soil	1.4	22.1	11.7	49	0.2	28.5	11.6	338	2.98	45.9	0.7	3.2	4.3	18	0.2	1.2	0.2	64	0.18	0.032	
1533018	Soil	1.7	33.0	11.2	67	0.1	25.7	11.5	380	2.70	25.3	1.2	2.5	3.8	16	0.2	1.3	0.2	64	0.13	0.023	
1533013	Soil	1.3	47.2	13.7	62	<0.1	30.5	11.3	359	3.09	96.8	2.9	2.4	8.0	13	0.1	2.5	0.2	67	0.10	0.015	
1533033	Soil	1.3	39.9	9.9	108	0.2	22.0	12.1	413	3.61	16.6	1.6	2.2	7.0	22	0.1	0.9	0.1	65	0.28	0.085	
1533016	Soil	0.9	25.4	12.0	53	<0.1	23.5	10.5	287	2.27	64.5	1.4	2.6	6.5	15	<0.1	1.8	0.2	49	0.14	0.014	
1533020	Soil	1.8	31.3	10.2	76	0.2	21.6	16.1	701	2.90	16.5	1.2	1.6	2.7	17	0.2	0.6	0.1	71	0.19	0.049	
1533021	Soil	0.4	27.6	2.3	56	<0.1	13.4	23.9	246	3.30	2.1	0.5	1.2	2.1	21	<0.1	0.1	<0.1	108	0.43	0.082	
1533027	Soil	0.6	23.4	8.9	96	<0.1	18.1	17.3	791	4.81	5.5	1.4	0.6	10.3	29	<0.1	0.3	<0.1	72	0.57	0.137	
1533024	Soil	1.0	33.2	9.2	97	<0.1	30.0	21.2	703	4.61	33.5	1.7	1.9	6.6	16	0.2	1.1	0.1	87	0.19	0.023	
1533017	Soil	1.4	27.0	11.1	64	0.2	26.0	9.9	321	2.75	28.5	0.6	2.7	2.6	13	0.4	1.1	0.2	69	0.12	0.041	
1533022	Soil	1.6	25.5	11.8	64	0.3	21.7	9.2	267	3.40	66.4	1.0	4.2	4.7	16	0.2	1.2	0.2	77	0.14	0.037	
1533008	Soil	0.9	22.1	9.9	56	<0.1	20.5	8.6	271	2.79	115.7	1.4	2.1	4.6	14	<0.1	2.0	0.2	58	0.15	0.022	
1533004	Soil	1.3	24.9	13.7	81	<0.1	28.4	14.8	671	3.32	47.1	1.5	3.7	8.2	14	0.2	1.5	0.2	61	0.13	0.029	
1533031	Soil	0.6	9.5	6.9	140	<0.1	23.0	21.7	904	5.28	4.4	1.6	<0.5	10.9	26	<0.1	0.2	<0.1	86	0.48	0.125	
1533030	Soil	1.1	24.0	11.8	62	<0.1	21.7	9.7	323	2.68	11.7	3.6	2.1	4.1	13	0.1	0.8	0.2	57	0.14	0.057	
1533007	Soil	1.1	23.2	10.9	58	<0.1	22.1	9.8	330	3.03	69.3	1.3	2.9	6.2	12	0.1	1.9	0.2	58	0.11	0.022	
1533003	Soil	1.2	28.7	12.8	62	<0.1	22.0	11.6	455	2.75	161.2	1.3	2.2	5.4	13	0.2	3.7	0.2	53	0.10	0.031	
1533029	Soil	1.5	14.0	13.5	103	<0.1	8.7	10.3	889	3.97	9.1	2.5	<0.5	10.6	5	0.2	0.8	0.1	54	0.07	0.069	
1533026	Soil	1.0	22.0	11.2	68	<0.1	30.3	13.8	404	3.17	20.2	0.8	0.8	6.4	12	0.2	0.7	0.2	64	0.14	0.038	
1533009	Soil	1.1	40.0	10.9	67	<0.1	29.0	11.6	382	2.97	79.2	1.2	3.0	7.0	19	<0.1	1.9	0.2	64	0.15	0.016	
1533006	Soil	1.2	28.0	11.8	75	<0.1	25.6	13.8	471	3.12	37.7	2.7	2.2	9.1	13	<0.1	1.1	0.2	62	0.11	0.020	
1533002	Soil	1.2	28.0	17.5	85	<0.1	30.7	12.9	422	3.22	32.0	1.3	1.3	8.3	15	0.1	1.2	0.2	63	0.09	0.023	
1533023	Soil	1.3	18.1	11.4	97	0.5	19.3	15.4	625	3.04	25.4	0.8	0.7	3.2	12	0.3	0.7	0.2	72	0.12	0.040	
1533011	Soil	1.3	46.8	11.9	73	<0.1	34.3	12.7	413	3.44	89.9	1.5	5.2	8.5	17	<0.1	2.2	0.2	69	0.12	0.024	
1533005	Soil	0.8	28.9	9.9	60	<0.1	25.3	9.9	355	2.70	32.3	1.3	1.9	5.6	17	<0.1	1.1	0.2	55	0.17	0.037	



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Project: ERK
Report Date: August 31, 2017

Page: 2 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.05	1	0.5	0.2	
1533025	Soil	20	37	0.96	265	0.152	1	2.46	0.008	0.24	0.2	0.12	8.4	0.9	<0.05	7	0.5	<0.2
1533015	Soil	12	32	0.43	381	0.040	2	1.64	0.007	0.05	0.2	0.20	3.7	0.4	<0.05	6	<0.5	<0.2
1533019	Soil	16	38	0.79	439	0.087	1	1.46	0.010	0.24	<0.1	0.19	8.3	0.8	<0.05	5	<0.5	<0.2
1533012	Soil	17	33	0.38	184	0.041	1	1.80	0.006	0.06	0.2	0.45	4.3	1.0	<0.05	5	<0.5	<0.2
1533032	Soil	14	39	0.41	137	0.071	2	2.24	0.007	0.06	0.2	0.02	4.3	0.2	<0.05	6	<0.5	<0.2
1533014	Soil	12	39	0.51	297	0.047	2	2.31	0.008	0.08	0.2	0.20	4.3	0.2	<0.05	5	<0.5	<0.2
1533018	Soil	14	35	0.47	275	0.056	1	1.55	0.007	0.05	0.2	0.20	4.5	0.2	<0.05	5	0.7	<0.2
1533013	Soil	24	44	0.50	212	0.059	2	2.06	0.007	0.05	0.2	0.61	7.6	0.7	<0.05	6	0.5	<0.2
1533033	Soil	38	40	0.82	213	0.119	<1	1.93	0.009	0.32	0.2	0.06	4.9	0.7	0.10	7	<0.5	<0.2
1533016	Soil	18	31	0.41	225	0.044	2	1.24	0.007	0.04	0.1	0.31	4.8	0.4	<0.05	4	<0.5	<0.2
1533020	Soil	16	35	0.65	296	0.075	<1	1.61	0.009	0.11	0.1	0.04	4.5	0.2	0.07	5	0.6	<0.2
1533021	Soil	11	16	1.77	682	0.119	<1	2.27	0.022	0.63	<0.1	0.02	7.6	0.2	<0.05	7	<0.5	<0.2
1533027	Soil	39	34	1.35	541	0.208	1	2.53	0.010	0.87	0.2	0.01	9.3	0.7	<0.05	9	<0.5	<0.2
1533024	Soil	28	40	0.91	345	0.134	1	2.38	0.010	0.17	0.1	0.16	10.6	0.6	0.06	7	0.5	<0.2
1533017	Soil	12	34	0.47	254	0.049	2	1.90	0.007	0.05	0.2	0.05	3.5	0.2	<0.05	5	<0.5	<0.2
1533022	Soil	13	38	0.56	233	0.072	<1	1.97	0.007	0.08	0.2	0.15	5.8	0.4	0.06	6	<0.5	<0.2
1533008	Soil	17	35	0.50	212	0.056	1	1.68	0.008	0.05	0.1	0.31	5.4	0.2	<0.05	5	<0.5	<0.2
1533004	Soil	19	42	0.56	167	0.070	2	2.10	0.007	0.11	0.2	0.23	5.2	0.3	0.06	6	<0.5	<0.2
1533031	Soil	32	199	1.88	296	0.189	2	3.25	0.011	1.26	0.1	0.03	8.8	1.2	<0.05	12	<0.5	<0.2
1533030	Soil	34	29	0.45	166	0.052	1	1.63	0.007	0.05	0.2	0.08	5.1	0.3	<0.05	6	<0.5	<0.2
1533007	Soil	20	36	0.49	166	0.063	2	1.88	0.006	0.06	0.2	0.45	6.0	0.3	<0.05	5	<0.5	<0.2
1533003	Soil	19	35	0.44	152	0.060	1	1.44	0.006	0.09	0.2	1.69	5.4	0.4	0.05	5	<0.5	<0.2
1533029	Soil	16	28	0.49	59	0.074	2	1.80	0.004	0.38	0.2	0.03	7.5	0.8	0.07	10	<0.5	<0.2
1533026	Soil	14	37	0.59	269	0.083	1	2.18	0.009	0.11	0.2	0.05	4.9	0.3	<0.05	6	<0.5	<0.2
1533009	Soil	26	37	0.55	284	0.073	1	1.91	0.009	0.06	0.2	0.80	8.7	0.2	<0.05	5	<0.5	<0.2
1533006	Soil	25	38	0.57	203	0.072	1	1.93	0.008	0.08	0.1	0.16	6.4	0.4	<0.05	5	<0.5	<0.2
1533002	Soil	23	44	0.54	176	0.086	2	2.00	0.007	0.14	0.2	0.15	5.6	0.4	<0.05	6	<0.5	<0.2
1533023	Soil	13	34	0.48	205	0.063	2	1.87	0.007	0.06	0.1	0.05	4.4	0.3	0.07	6	<0.5	<0.2
1533011	Soil	30	44	0.53	282	0.078	1	1.80	0.008	0.07	0.2	0.38	11.1	0.2	<0.05	5	<0.5	<0.2
1533005	Soil	23	34	0.53	251	0.064	1	1.61	0.009	0.07	0.2	0.16	6.4	0.2	<0.05	5	<0.5	<0.2



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Page: 3 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

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Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	
	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	
1533010	Soil	1.6	23.8	13.8	64	<0.1	23.3	11.1	331	2.85	51.2	1.1	1.2	7.0	13	<0.1	1.3	0.2	67	0.10	0.022
1533028	Soil	1.2	20.5	12.2	62	0.1	21.8	10.0	407	2.98	12.7	1.1	<0.5	6.2	11	0.1	0.7	0.2	66	0.10	0.031
1532084	Soil	1.2	51.0	14.8	86	0.5	23.8	10.0	597	3.01	20.9	2.1	28.3	7.3	15	0.4	2.1	0.2	51	0.15	0.082
1532104	Soil	2.4	33.4	28.7	70	0.3	23.6	11.0	361	3.46	10.8	1.5	3.5	7.0	15	0.2	0.7	0.3	59	0.12	0.052
1532090	Soil	4.4	75.7	17.1	162	0.8	31.9	8.7	384	3.74	55.1	2.6	7.0	4.8	24	0.8	5.9	0.3	97	0.19	0.095
1533001	Soil	1.2	21.0	12.1	63	<0.1	20.6	12.7	451	2.83	50.9	1.1	3.5	6.0	12	0.2	1.7	0.2	53	0.10	0.032
1532081	Soil	1.3	40.7	13.0	71	0.3	23.7	8.3	258	2.83	14.3	2.1	6.2	5.5	20	0.2	1.4	0.2	53	0.20	0.066
1532086	Soil	1.8	29.0	13.9	43	0.4	11.6	3.9	95	2.66	20.4	2.1	6.4	1.5	15	0.2	1.4	0.2	60	0.13	0.073
1532087	Soil	2.0	40.1	18.1	103	0.4	20.6	7.7	295	2.74	25.1	2.5	5.7	5.0	23	0.5	2.9	0.2	52	0.19	0.080
1532102	Soil	4.9	37.3	41.3	73	1.1	17.1	7.5	350	3.18	58.1	3.2	11.5	3.4	21	0.2	4.6	0.4	49	0.17	0.084
1532083	Soil	1.0	27.1	10.5	58	0.1	21.8	8.1	304	2.45	14.6	0.9	4.2	3.7	18	0.2	1.7	0.2	49	0.24	0.064
1532097	Soil	1.4	22.5	14.6	94	0.2	19.2	11.4	458	3.05	10.8	1.2	7.4	7.9	23	0.2	1.2	0.2	48	0.31	0.087
1532085	Soil	0.7	29.0	8.9	54	0.4	16.4	4.3	151	1.69	9.5	1.5	4.9	1.5	32	0.3	1.0	0.2	37	0.41	0.080
1532101	Soil	2.6	27.5	30.7	77	0.5	16.3	8.8	383	3.15	16.7	1.6	7.4	3.4	19	0.3	1.7	0.3	47	0.18	0.075
1532098	Soil	2.1	34.8	18.3	72	0.5	18.9	8.7	368	2.88	21.1	1.7	6.3	4.5	19	0.2	1.8	0.3	50	0.20	0.072
1532106	Soil	1.6	29.0	16.7	74	0.2	17.7	10.5	441	2.65	10.4	1.6	5.1	2.8	17	0.3	0.9	0.2	50	0.19	0.062
1532082	Soil	1.4	40.2	13.4	79	0.3	25.2	7.8	260	2.83	18.7	1.4	8.1	6.2	19	0.3	1.8	0.2	52	0.17	0.058
1532107	Soil	1.0	22.9	10.6	77	0.1	18.8	10.7	454	2.82	7.7	1.2	5.8	7.8	18	0.2	0.6	0.1	47	0.29	0.081
1533106	Soil	0.9	11.6	7.5	39	0.3	9.7	2.8	76	1.29	24.9	0.8	3.2	0.7	14	0.2	1.3	0.1	28	0.14	0.039
1533098	Soil	2.6	40.0	12.1	84	0.2	25.3	9.9	396	3.11	15.3	1.7	3.0	4.8	15	0.2	0.9	0.3	49	0.12	0.050
1532076	Soil	2.0	28.7	13.7	70	0.3	17.9	7.0	289	2.73	25.3	1.6	6.2	2.7	16	0.2	2.4	0.3	58	0.15	0.053
1532103	Soil	2.8	70.3	39.9	95	0.4	6.5	2.2	136	4.48	7.0	2.5	0.5	8.0	31	0.1	0.6	0.3	50	0.04	0.099
1533102	Soil	1.9	21.2	12.1	57	0.2	17.0	6.4	368	3.07	18.7	0.8	1.4	3.3	10	0.2	1.3	0.3	65	0.09	0.040
1533107	Soil	1.7	17.4	10.4	58	0.4	13.3	4.1	92	1.69	25.6	1.1	3.4	1.3	15	0.2	1.2	0.1	42	0.17	0.053
1532080	Soil	1.3	26.8	16.7	63	0.1	19.1	6.4	226	2.78	12.1	1.4	4.0	2.1	15	0.2	0.9	0.2	51	0.12	0.048
1532100	Soil	1.9	48.1	28.5	79	0.6	18.3	6.2	240	3.29	10.1	3.4	5.4	4.6	16	0.3	0.9	0.3	57	0.11	0.083
1533101	Soil	3.7	112.2	16.1	154	0.2	54.9	20.7	517	5.26	9.1	3.4	2.7	18.5	21	0.2	1.0	0.6	56	0.13	0.084
1533105	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1532077	Soil	1.3	26.8	11.9	73	0.2	19.6	8.4	364	2.99	9.7	1.3	3.5	3.2	19	0.1	0.7	0.2	56	0.20	0.052
1532079	Soil	1.4	39.4	16.7	77	0.2	24.1	10.4	405	3.01	22.3	2.4	4.3	9.9	15	0.1	1.9	0.3	45	0.13	0.046

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



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Report Date: August 31, 2017

Page: 3 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.05	1	0.5	0.2	
1533010	Soil	17	37	0.47	233	0.064	1	1.99	0.007	0.05	0.2	0.15	5.2	0.3	<0.05	6	<0.5	<0.2
1533028	Soil	17	36	0.49	210	0.060	2	2.14	0.008	0.06	0.2	0.04	5.0	0.3	<0.05	6	<0.5	<0.2
1532084	Soil	25	26	0.32	107	0.048	1	1.03	0.006	0.11	0.7	0.10	4.3	1.3	0.06	3	<0.5	<0.2
1532104	Soil	26	32	0.58	155	0.069	2	1.92	0.009	0.20	0.2	0.04	3.8	0.4	0.21	5	0.7	<0.2
1532090	Soil	23	42	0.55	447	0.069	1	1.41	0.014	0.31	0.2	0.22	6.0	0.9	0.34	5	2.3	<0.2
1533001	Soil	14	36	0.46	121	0.057	3	1.87	0.007	0.08	0.2	0.27	4.2	0.3	<0.05	5	<0.5	<0.2
1532081	Soil	24	30	0.55	191	0.073	2	1.52	0.009	0.16	0.4	0.04	4.1	0.3	0.05	5	<0.5	<0.2
1532086	Soil	18	26	0.33	187	0.039	2	1.36	0.007	0.07	0.3	0.15	3.2	0.4	0.09	4	0.9	<0.2
1532087	Soil	25	29	0.47	238	0.059	1	1.38	0.009	0.26	0.2	0.14	5.0	0.7	0.09	4	0.7	<0.2
1532102	Soil	28	27	0.38	158	0.043	1	1.42	0.009	0.11	0.4	0.40	3.7	0.5	<0.05	5	1.3	<0.2
1532083	Soil	17	27	0.47	127	0.063	1	1.54	0.010	0.06	0.3	0.07	3.6	0.3	<0.05	4	<0.5	<0.2
1532097	Soil	24	33	0.78	156	0.116	1	1.48	0.013	0.30	0.7	0.03	3.4	0.3	0.08	5	<0.5	<0.2
1532085	Soil	16	24	0.34	397	0.037	2	1.07	0.009	0.08	0.2	0.20	3.6	0.3	0.10	4	<0.5	<0.2
1532101	Soil	19	26	0.38	169	0.053	2	1.19	0.009	0.10	1.1	0.08	3.3	0.3	0.06	4	<0.5	<0.2
1532098	Soil	27	27	0.41	154	0.056	1	1.12	0.009	0.18	0.6	0.08	3.2	0.4	0.17	4	0.7	<0.2
1532106	Soil	24	29	0.57	170	0.082	1	1.62	0.008	0.20	0.2	0.03	2.8	0.3	<0.05	5	<0.5	<0.2
1532082	Soil	25	30	0.51	198	0.065	2	1.60	0.008	0.16	0.3	0.04	3.9	0.6	0.08	5	<0.5	<0.2
1532107	Soil	23	40	0.97	200	0.142	<1	1.80	0.010	0.35	0.3	0.02	3.5	0.3	<0.05	6	<0.5	<0.2
1533106	Soil	10	22	0.28	136	0.040	2	0.94	0.008	0.05	0.2	0.33	2.3	0.5	0.07	4	0.6	<0.2
1533098	Soil	21	29	0.55	133	0.080	<1	1.45	0.007	0.23	0.2	0.05	3.1	0.3	0.05	6	<0.5	<0.2
1532076	Soil	18	31	0.55	182	0.074	<1	1.59	0.009	0.13	0.2	0.15	3.5	0.4	0.06	5	<0.5	<0.2
1532103	Soil	48	25	0.43	352	0.060	<1	0.98	0.010	0.61	0.2	<0.01	2.6	0.8	0.69	4	0.9	<0.2
1533102	Soil	12	25	0.26	125	0.053	<1	1.57	0.006	0.05	0.2	0.05	3.1	0.3	<0.05	6	<0.5	<0.2
1533107	Soil	12	24	0.34	180	0.042	2	1.06	0.009	0.05	0.2	0.28	3.5	0.4	<0.05	4	0.7	<0.2
1532080	Soil	19	29	0.49	147	0.064	1	1.70	0.007	0.15	0.2	0.04	2.8	0.3	<0.05	6	<0.5	<0.2
1532100	Soil	40	34	0.54	312	0.074	1	1.73	0.008	0.26	0.1	0.04	4.3	0.4	0.07	6	<0.5	<0.2
1533101	Soil	59	50	1.20	227	0.140	<1	2.26	0.016	0.90	<0.1	0.01	4.7	0.7	0.33	7	0.8	<0.2
1533105	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1532077	Soil	19	35	0.69	174	0.098	<1	1.75	0.009	0.16	0.2	0.02	3.0	0.2	0.06	6	<0.5	<0.2
1532079	Soil	32	31	0.54	200	0.092	<1	1.58	0.007	0.28	0.2	0.04	4.3	0.5	<0.05	5	0.6	<0.2



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Report Date: August 31, 2017

Page: 4 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1533103	Soil	1.3	25.0	10.4	69	0.1	29.3	9.1	338	2.42	12.2	1.1	1.4	5.2	13	0.3	1.1	0.3	44	0.11	0.025
1533104	Soil	1.4	43.2	12.0	126	0.1	51.7	17.9	695	3.71	21.9	1.2	2.4	11.2	14	0.4	1.7	0.3	47	0.25	0.062
1533099	Soil	2.0	25.3	10.9	109	<0.1	24.6	11.3	466	3.83	8.4	1.6	7.9	19.1	22	0.2	0.7	0.2	44	0.37	0.125
1532078	Soil	1.2	33.4	13.7	49	0.3	14.6	4.7	150	2.07	9.1	1.8	4.2	1.6	16	<0.1	0.6	0.2	43	0.12	0.042
1532092	Soil	1.4	19.1	14.4	73	0.4	14.8	7.5	270	2.40	16.4	1.4	4.9	2.4	17	0.3	1.2	0.2	46	0.17	0.065
1533090	Soil	1.5	24.6	10.8	90	0.1	27.6	11.5	542	2.78	9.9	1.4	3.3	8.4	19	0.3	0.6	0.2	49	0.25	0.069
1533094	Soil	1.3	41.9	9.4	122	0.1	39.6	12.3	517	3.06	9.4	1.7	5.2	8.9	15	0.5	0.6	0.2	56	0.20	0.070
1533100	Soil	1.3	25.9	11.1	101	<0.1	25.4	10.9	430	3.50	10.4	1.5	10.9	16.6	23	<0.1	0.8	0.2	50	0.35	0.088
1532091	Soil	1.4	35.0	17.7	66	0.8	13.3	3.2	127	2.00	15.5	2.2	6.4	1.4	18	0.3	1.2	0.2	45	0.12	0.083
1533088	Soil	1.8	27.9	12.4	89	0.3	26.4	12.6	421	3.12	12.5	1.3	2.9	4.4	17	0.3	0.7	0.3	57	0.19	0.062
1533093	Soil	1.3	38.9	10.2	117	<0.1	44.2	16.0	534	3.45	10.4	1.5	3.0	9.7	15	0.3	0.5	0.2	61	0.19	0.063
1533096	Soil	1.4	31.6	11.4	86	0.2	24.5	10.8	315	2.83	10.4	1.4	3.4	4.8	18	0.2	0.9	0.3	48	0.20	0.061
1532089	Soil	4.9	77.0	18.0	239	0.8	48.3	13.6	650	4.48	163.7	4.0	16.9	3.3	17	1.7	17.0	0.4	118	0.10	0.125
1533089	Soil	1.9	49.2	12.5	127	0.2	50.7	16.1	564	3.77	13.1	2.0	2.9	7.3	12	0.3	0.6	0.3	70	0.15	0.065
1533092	Soil	1.6	37.8	10.4	93	0.1	38.1	12.7	388	3.05	8.9	1.4	4.0	6.6	15	0.2	0.5	0.2	64	0.18	0.044
1533097	Soil	4.3	74.8	12.9	128	0.4	25.1	9.7	441	3.87	17.4	1.9	12.5	6.9	18	0.2	1.3	0.6	96	0.06	0.062
1532088	Soil	1.7	40.1	14.2	134	0.4	25.2	10.0	355	3.07	25.9	2.1	4.6	5.3	17	0.5	2.6	0.2	65	0.15	0.064
1532093	Soil	2.5	38.8	13.0	159	0.3	47.5	22.5	1446	4.04	84.3	1.9	6.4	4.8	17	0.6	7.0	0.2	68	0.18	0.080
1533091	Soil	1.4	23.1	10.0	81	0.1	26.9	11.3	391	2.92	9.9	1.0	4.2	6.1	15	0.2	0.8	0.2	56	0.20	0.062
1533095	Soil	1.6	42.1	11.1	91	0.2	31.3	13.4	557	2.83	11.5	1.7	3.1	4.7	19	0.5	1.0	0.3	51	0.22	0.052
1533116	Soil	1.7	29.2	15.6	86	0.3	31.3	12.0	359	3.03	13.6	1.5	2.3	6.8	14	0.2	0.7	0.3	46	0.20	0.064
1533113	Soil	1.7	20.8	15.4	83	0.2	26.0	10.6	276	3.13	18.7	1.0	2.0	4.2	16	<0.1	0.7	0.3	52	0.25	0.064
1533123	Soil	2.5	27.2	18.2	74	0.8	20.4	6.1	162	2.43	20.8	1.8	6.9	1.0	26	0.1	1.6	0.3	50	0.36	0.065
1533110	Soil	2.1	16.7	13.4	65	0.3	18.4	6.8	233	2.60	24.4	1.1	1.3	1.5	14	0.2	1.1	0.2	59	0.16	0.059
1533117	Soil	1.8	28.7	28.7	77	0.3	25.5	8.0	307	3.01	18.9	1.4	2.3	4.2	14	0.2	0.8	0.3	57	0.19	0.059
1533122	Soil	1.7	30.2	13.0	85	0.4	22.8	9.3	229	3.10	19.9	1.6	3.1	4.4	16	0.3	1.5	0.2	61	0.18	0.069
1533126	Soil	2.6	28.6	13.8	94	0.3	24.4	12.7	438	3.36	21.0	1.5	1.9	5.3	18	0.3	1.2	0.3	68	0.27	0.068
1533109	Soil	1.8	22.9	14.0	65	0.4	21.0	6.4	166	2.53	22.2	1.2	3.8	1.3	15	0.2	1.6	0.3	54	0.17	0.058
1533114	Soil	1.0	23.1	12.4	58	0.3	18.1	5.1	127	2.12	16.6	1.4	2.5	1.2	14	0.4	0.8	0.2	38	0.16	0.057
1533112	Soil	1.4	15.1	10.9	61	0.3	16.9	6.1	175	1.95	17.1	0.9	1.1	0.9	15	0.3	0.8	0.2	40	0.18	0.053



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Page: 4 of 12

Part: 2 of 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1533103	Soil	28	33	0.44	153	0.086	1	1.23	0.007	0.14	0.1	0.03	3.4	0.3	<0.05	5	<0.5	<0.2
1533104	Soil	25	52	0.89	179	0.126	<1	1.87	0.008	0.48	0.2	0.03	5.0	0.5	<0.05	5	<0.5	<0.2
1533099	Soil	60	29	0.79	323	0.145	<1	2.16	0.007	0.80	0.3	0.02	6.9	0.6	<0.05	8	<0.5	<0.2
1532078	Soil	19	25	0.38	144	0.059	<1	1.33	0.010	0.11	0.2	0.06	2.4	0.3	0.06	5	<0.5	<0.2
1532092	Soil	19	33	0.53	167	0.069	<1	1.45	0.008	0.09	0.3	0.17	3.6	0.4	<0.05	6	<0.5	<0.2
1533090	Soil	36	31	0.55	334	0.099	<1	1.70	0.009	0.18	0.2	0.04	4.4	0.2	<0.05	5	<0.5	<0.2
1533094	Soil	31	37	0.78	346	0.127	<1	1.85	0.009	0.45	0.1	0.02	5.0	0.3	<0.05	6	<0.5	<0.2
1533100	Soil	61	32	0.71	336	0.126	<1	2.02	0.015	0.52	0.3	0.02	6.6	0.5	<0.05	7	0.6	<0.2
1532091	Soil	18	32	0.46	235	0.048	<1	1.33	0.008	0.14	0.2	0.25	3.2	0.6	0.12	5	1.3	<0.2
1533088	Soil	17	32	0.56	298	0.078	<1	1.63	0.009	0.16	0.2	0.04	4.0	0.2	<0.05	5	0.5	<0.2
1533093	Soil	22	42	0.77	343	0.153	<1	2.24	0.009	0.45	0.1	0.01	5.3	0.3	<0.05	6	<0.5	<0.2
1533096	Soil	18	31	0.58	197	0.068	1	1.54	0.013	0.08	0.2	0.05	4.5	0.2	<0.05	5	<0.5	<0.2
1532089	Soil	16	41	0.29	172	0.039	2	1.02	0.012	0.13	0.4	0.41	8.0	1.9	0.20	4	3.2	<0.2
1533089	Soil	31	44	0.77	393	0.130	2	2.08	0.008	0.39	0.1	0.04	5.6	0.4	0.05	7	0.7	<0.2
1533092	Soil	22	38	0.63	365	0.115	1	1.74	0.009	0.25	0.2	0.02	5.9	0.2	<0.05	6	<0.5	<0.2
1533097	Soil	29	46	0.82	586	0.131	1	1.51	0.013	0.50	0.2	0.02	3.9	0.5	0.38	6	2.5	<0.2
1532088	Soil	22	34	0.56	206	0.077	2	1.40	0.010	0.27	0.3	0.11	5.7	0.7	0.15	5	1.1	<0.2
1532093	Soil	19	53	0.56	217	0.071	2	1.43	0.008	0.14	0.3	0.12	4.3	0.6	0.11	5	1.2	<0.2
1533091	Soil	24	45	0.53	207	0.088	<1	1.45	0.009	0.14	0.3	0.04	3.7	0.2	<0.05	5	0.5	<0.2
1533095	Soil	20	32	0.51	290	0.068	1	1.32	0.011	0.07	0.2	0.04	5.2	0.2	0.07	4	0.7	<0.2
1533116	Soil	23	41	0.64	252	0.089	2	1.66	0.007	0.24	0.2	0.05	4.5	0.4	0.08	5	0.7	<0.2
1533113	Soil	15	56	0.68	198	0.082	<1	1.56	0.009	0.15	0.2	0.05	3.7	0.3	<0.05	5	<0.5	<0.2
1533123	Soil	17	34	0.49	270	0.043	2	1.46	0.010	0.08	0.2	0.24	3.2	0.4	0.09	5	0.9	<0.2
1533110	Soil	17	30	0.46	178	0.051	1	1.37	0.008	0.06	0.2	0.10	3.1	0.2	0.06	5	0.5	<0.2
1533117	Soil	24	36	0.56	245	0.074	2	1.45	0.008	0.17	0.2	0.07	3.7	0.3	0.07	5	<0.5	<0.2
1533122	Soil	19	37	0.62	183	0.080	2	1.67	0.010	0.10	0.2	0.10	4.2	0.3	<0.05	6	0.5	<0.2
1533126	Soil	22	37	0.70	236	0.101	2	1.62	0.011	0.12	0.2	0.08	4.6	0.3	0.06	6	0.6	<0.2
1533109	Soil	15	35	0.47	176	0.045	2	1.47	0.009	0.07	0.2	0.13	3.1	0.3	0.08	5	0.6	<0.2
1533114	Soil	16	30	0.41	184	0.039	2	1.29	0.007	0.06	0.2	0.12	3.0	0.2	0.13	5	0.7	<0.2
1533112	Soil	13	35	0.43	196	0.038	2	1.18	0.010	0.05	0.2	0.12	2.6	0.2	0.08	4	<0.5	<0.2



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Report Date: August 31, 2017

Page: 5 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	%	%
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
1533127	Soil	1.9	17.0	12.0	68	0.4	18.6	6.4	142	2.15	23.3	1.0	2.3	1.0	16	0.3	1.1	0.2	47	0.18	0.061
1533108	Soil	2.1	26.5	19.0	56	0.4	16.1	4.5	137	2.47	23.2	1.7	3.5	0.8	17	0.2	1.3	0.3	53	0.18	0.058
1533115	Soil	1.4	18.1	11.2	62	0.2	17.5	6.3	161	2.32	15.1	1.0	1.8	2.1	14	0.2	0.8	0.2	44	0.16	0.052
1533111	Soil	1.2	18.4	12.7	71	0.3	17.6	5.2	156	1.97	11.7	1.1	2.4	1.2	16	0.3	0.7	0.2	40	0.19	0.056
1533128	Soil	1.6	37.9	17.0	88	0.3	29.3	11.6	314	3.00	18.8	1.7	2.0	4.8	17	0.2	1.0	0.2	62	0.28	0.076
1533129	Soil	2.0	29.3	15.2	72	0.4	20.2	6.9	154	2.63	31.3	1.6	5.6	1.7	14	0.3	1.7	0.2	56	0.15	0.067
1533130	Soil	1.9	23.6	13.5	73	0.3	22.9	8.4	220	3.21	33.8	1.2	4.4	2.7	19	0.2	1.1	0.2	57	0.22	0.083
1533137	Soil	2.6	39.3	15.7	87	0.3	28.8	12.7	598	3.22	26.1	1.7	3.2	2.8	14	0.4	1.8	0.2	65	0.15	0.057
1533120	Soil	1.8	63.0	9.0	128	0.1	44.2	16.6	562	3.88	34.0	1.6	3.2	6.3	15	0.3	0.6	0.2	103	0.36	0.142
1534416	Soil	1.3	20.9	13.8	79	<0.1	25.3	9.3	364	3.06	13.5	1.4	4.2	8.6	14	0.1	1.0	0.2	69	0.14	0.024
1533131	Soil	1.8	27.2	13.4	82	0.4	24.3	11.1	427	3.05	14.8	1.5	6.7	3.0	18	0.2	0.8	0.2	57	0.24	0.055
1533125	Soil	1.7	31.4	10.2	77	0.1	25.4	9.5	315	2.65	13.8	1.2	3.5	5.0	13	0.2	0.9	0.2	52	0.14	0.035
1533136	Soil	2.0	34.1	14.6	98	0.4	29.2	12.2	492	3.39	18.4	1.6	2.5	3.1	16	0.4	1.2	0.2	71	0.17	0.056
1534412	Soil	0.8	21.4	13.1	65	<0.1	19.9	10.8	513	2.74	9.3	2.2	2.3	8.6	14	0.1	0.7	0.2	53	0.15	0.034
1533132	Soil	1.7	25.4	10.8	66	0.3	23.6	9.1	367	2.54	10.6	1.3	2.4	1.6	12	0.3	0.7	0.2	47	0.12	0.057
1533118	Soil	3.1	39.2	17.1	91	0.7	30.0	13.4	409	3.68	25.0	2.8	4.3	4.2	15	0.2	1.4	0.3	60	0.17	0.072
1534415	Soil	1.1	19.3	13.1	66	<0.1	21.6	9.3	337	2.82	11.0	1.5	2.2	9.8	13	0.1	0.7	0.2	62	0.13	0.026
1534414	Soil	1.0	23.3	16.6	71	<0.1	24.1	10.2	356	2.96	11.7	2.2	2.0	14.3	13	0.1	1.0	0.2	52	0.12	0.023
1533133	Soil	1.7	32.9	11.8	91	0.2	30.0	12.6	631	3.38	14.1	1.4	3.5	7.2	14	0.2	1.0	0.3	48	0.18	0.060
1533124	Soil	1.7	30.8	10.3	74	<0.1	24.6	9.6	350	2.77	13.9	1.3	2.8	5.8	13	0.1	0.9	0.2	55	0.14	0.033
1534417	Soil	1.0	17.0	13.5	57	0.3	18.5	9.1	775	2.69	9.1	1.4	6.2	4.7	15	0.2	0.7	0.2	57	0.17	0.048
1534418	Soil	1.2	21.5	16.3	73	<0.1	29.5	9.4	255	2.82	16.2	1.3	1.2	8.7	11	0.3	1.8	0.2	58	0.10	0.022
1534413	Soil	0.6	24.3	11.7	73	<0.1	23.2	10.6	504	2.75	7.9	2.2	3.5	12.7	17	0.1	0.7	0.1	48	0.22	0.043
1534411	Soil	0.8	21.7	13.3	73	<0.1	22.1	9.2	346	3.00	9.6	1.7	2.4	10.8	15	0.2	0.6	0.2	53	0.17	0.029
1533138	Soil	2.6	42.4	14.7	73	0.3	27.1	12.4	781	3.11	19.0	1.7	2.4	2.4	17	0.3	1.1	0.3	58	0.14	0.060
1533135	Soil	2.2	28.6	13.1	79	0.4	25.1	9.6	503	3.12	26.9	1.5	3.4	2.3	18	0.3	1.9	0.2	66	0.21	0.048
1533927	Soil	1.2	22.2	10.6	82	0.3	22.2	12.5	449	3.09	7.9	1.4	10.3	8.1	18	<0.1	0.7	0.1	58	0.29	0.080
1534425	Soil	1.0	19.8	10.0	80	0.1	19.8	10.7	388	3.02	7.0	1.5	1.6	9.4	17	<0.1	0.7	0.1	53	0.31	0.068
1533119	Soil	2.0	33.4	12.2	92	0.3	26.9	10.5	485	3.00	20.9	1.8	4.7	3.9	17	0.3	1.5	0.3	60	0.19	0.057
1533121	Soil	1.3	35.1	10.8	80	0.1	29.5	10.7	382	2.96	21.3	1.4	2.8	7.9	13	0.2	0.7	0.3	55	0.18	0.054



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Report Date: August 31, 2017

Page: 5 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method Analyte	Unit	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
	MDL	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
1533127	Soil	14	35	0.46	233	0.038	2	1.25	0.010	0.05	0.2	0.14	2.6	0.3	0.08	5	0.7	<0.2
1533108	Soil	15	32	0.46	168	0.042	1	1.37	0.008	0.07	0.3	0.15	2.7	0.3	0.06	5	0.9	<0.2
1533115	Soil	15	32	0.47	187	0.054	1	1.25	0.007	0.09	0.2	0.06	2.9	0.2	0.08	5	<0.5	<0.2
1533111	Soil	18	29	0.48	193	0.055	2	1.35	0.009	0.08	0.1	0.11	2.9	0.3	0.10	5	0.6	<0.2
1533128	Soil	23	75	0.82	256	0.097	2	1.78	0.010	0.16	0.2	0.06	4.7	0.3	0.11	6	0.6	<0.2
1533129	Soil	18	34	0.46	194	0.040	2	1.51	0.008	0.06	0.2	0.13	3.4	0.3	<0.05	5	0.5	<0.2
1533130	Soil	20	40	0.54	278	0.059	1	1.53	0.009	0.09	0.2	0.07	3.8	0.2	0.11	5	<0.5	<0.2
1533137	Soil	22	34	0.48	236	0.049	2	1.67	0.008	0.08	0.2	0.06	4.5	0.3	<0.05	5	<0.5	<0.2
1533120	Soil	30	61	1.16	530	0.161	1	2.23	0.009	0.58	0.2	0.02	6.5	0.4	0.05	7	0.8	<0.2
1534416	Soil	25	42	0.57	315	0.066	1	2.05	0.010	0.06	0.2	0.04	4.9	0.2	0.08	6	<0.5	<0.2
1533131	Soil	23	39	0.55	294	0.063	1	1.74	0.010	0.11	0.2	0.07	4.5	0.2	0.06	6	<0.5	<0.2
1533125	Soil	17	30	0.47	216	0.053	1	1.32	0.008	0.05	0.2	0.03	4.3	0.2	0.08	4	<0.5	<0.2
1533136	Soil	21	42	0.58	335	0.053	<1	1.87	0.009	0.07	0.2	0.07	5.5	0.2	0.06	6	0.6	<0.2
1534412	Soil	27	38	0.53	266	0.069	<1	1.63	0.009	0.10	0.2	0.04	4.9	0.2	0.07	5	<0.5	<0.2
1533132	Soil	24	34	0.49	207	0.055	1	1.36	0.010	0.14	0.1	0.06	3.4	0.2	0.12	5	<0.5	<0.2
1533118	Soil	35	45	0.58	227	0.059	2	1.90	0.008	0.10	0.2	0.09	4.9	0.3	0.09	6	0.8	<0.2
1534415	Soil	20	34	0.48	232	0.061	<1	1.82	0.010	0.07	0.2	0.03	4.1	0.1	<0.05	6	<0.5	<0.2
1534414	Soil	27	35	0.46	278	0.054	2	1.90	0.008	0.08	0.3	0.03	4.9	0.2	<0.05	5	<0.5	<0.2
1533133	Soil	23	32	0.52	204	0.080	2	1.37	0.008	0.17	0.2	0.03	4.1	0.3	<0.05	5	<0.5	<0.2
1533124	Soil	18	31	0.46	210	0.060	2	1.50	0.007	0.06	0.2	0.03	4.3	0.2	<0.05	4	0.8	<0.2
1534417	Soil	48	30	0.36	319	0.049	2	1.60	0.008	0.07	0.2	0.04	3.2	0.2	<0.05	6	<0.5	<0.2
1534418	Soil	21	44	0.48	207	0.066	2	2.08	0.008	0.07	0.3	0.04	4.3	0.2	<0.05	6	0.5	<0.2
1534413	Soil	40	59	0.69	385	0.103	1	1.57	0.009	0.23	0.3	0.06	5.4	0.3	<0.05	5	<0.5	<0.2
1534411	Soil	29	37	0.60	263	0.087	2	1.96	0.008	0.13	0.3	0.02	4.7	0.2	<0.05	6	<0.5	<0.2
1533138	Soil	23	29	0.37	251	0.043	1	1.42	0.007	0.08	0.2	0.04	4.0	0.3	<0.05	5	0.6	<0.2
1533135	Soil	22	36	0.48	312	0.050	2	1.68	0.009	0.09	0.1	0.09	4.7	0.3	<0.05	6	0.6	<0.2
1533927	Soil	27	66	0.85	281	0.121	1	1.96	0.010	0.24	0.2	0.08	4.9	0.3	<0.05	7	<0.5	<0.2
1534425	Soil	36	60	0.92	330	0.130	<1	1.96	0.009	0.33	0.2	0.04	4.5	0.4	<0.05	7	<0.5	<0.2
1533119	Soil	24	39	0.51	325	0.048	2	1.76	0.009	0.07	0.2	0.10	5.9	0.3	<0.05	5	0.6	<0.2
1533121	Soil	25	37	0.56	255	0.083	1	1.72	0.007	0.25	0.1	0.04	4.5	0.3	<0.05	5	<0.5	<0.2



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Page: 6 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1534422	Soil	0.8	18.8	9.3	58	0.1	18.3	7.0	232	2.21	12.0	2.1	5.8	5.1	17	0.1	0.8	0.1	46	0.25	0.066
1534419	Soil	1.3	10.7	13.0	58	0.2	11.8	5.3	265	3.01	9.1	0.5	1.6	3.8	15	0.5	0.6	0.3	81	0.14	0.044
1534421	Soil	0.9	22.8	10.4	65	0.1	20.8	6.7	292	2.28	7.7	2.6	3.3	8.3	20	0.2	0.7	0.1	47	0.27	0.068
1532094	Soil	2.2	26.3	17.0	100	0.4	22.9	11.2	581	3.05	38.2	1.4	8.2	6.5	19	0.3	9.2	0.2	56	0.24	0.089
1534424	Soil	0.9	20.0	9.6	80	<0.1	20.0	11.2	416	3.06	6.4	1.4	1.1	9.5	17	<0.1	0.6	0.1	52	0.30	0.069
1533926	Soil	1.3	27.4	11.5	91	0.2	24.5	14.7	573	3.27	7.6	1.8	2.6	9.9	20	0.1	0.7	0.1	62	0.35	0.072
1534423	Soil	1.0	18.9	9.6	69	0.1	19.9	9.0	344	2.52	15.8	1.6	2.8	5.1	18	0.1	1.0	0.1	51	0.24	0.063
1533134	Soil	2.4	24.8	16.1	80	0.3	23.4	11.4	597	2.98	19.1	1.2	3.2	4.2	22	0.2	1.2	0.2	53	0.22	0.050
1533077	Soil	1.5	23.8	9.3	50	0.7	16.5	3.4	86	1.57	55.1	1.5	7.4	0.8	27	0.5	2.2	0.2	34	0.27	0.075
1533078	Soil	0.7	20.6	6.5	25	0.5	10.5	2.2	55	1.13	31.1	1.2	9.6	0.3	20	0.4	2.2	0.1	18	0.21	0.065
1532096	Soil	1.9	15.7	15.9	79	0.3	15.3	8.7	411	2.80	14.0	1.0	3.7	3.8	18	0.3	1.1	0.2	54	0.23	0.073
1532095	Soil	1.4	19.5	14.8	81	0.2	16.5	12.1	700	2.76	10.0	1.1	3.7	5.6	18	0.3	1.0	0.2	48	0.25	0.084
1532108	Soil	1.1	31.7	20.7	88	0.3	24.7	10.9	514	3.41	7.3	1.7	3.4	8.5	22	0.1	0.5	0.1	63	0.31	0.076
1533081	Soil	0.6	14.5	6.1	34	0.3	11.6	2.6	75	1.20	13.0	0.8	2.2	0.7	12	0.3	0.6	0.1	23	0.12	0.046
1533087	Soil	1.7	32.6	11.2	91	0.2	28.5	16.5	418	2.92	9.3	1.4	1.7	4.9	17	0.3	0.7	0.2	53	0.20	0.057
1533085	Soil	3.1	31.7	9.1	86	0.4	28.2	9.8	432	2.72	23.6	1.5	3.4	3.4	14	0.3	1.4	0.2	54	0.16	0.049
1532099	Soil	2.1	53.8	31.5	86	0.5	18.5	6.6	238	3.42	9.3	3.2	3.3	6.5	15	0.2	1.0	0.2	63	0.12	0.073
1533080	Soil	0.8	17.5	6.4	42	0.3	12.7	3.3	76	1.38	19.5	0.9	4.4	0.7	14	0.3	0.8	0.1	28	0.14	0.048
1533083	Soil	5.2	44.2	13.8	85	0.3	27.4	7.3	375	4.11	44.9	1.3	2.7	4.2	12	0.3	3.0	0.3	76	0.08	0.055
1533084	Soil	2.6	35.7	9.6	101	0.3	31.4	14.7	516	2.82	17.7	1.6	2.0	3.4	15	0.3	1.0	0.2	56	0.16	0.051
1532105	Soil	2.1	31.3	19.1	60	0.2	14.9	5.8	227	2.65	17.2	1.6	4.2	3.5	13	0.2	1.6	0.3	50	0.11	0.048
1533079	Soil	0.9	21.9	6.8	44	0.4	12.8	2.8	70	1.54	23.7	1.1	4.5	0.5	14	0.2	1.0	0.1	26	0.14	0.058
1533082	Soil	1.0	20.3	7.4	32	0.3	10.5	2.6	63	1.49	16.7	1.0	2.7	0.7	10	0.2	0.7	0.2	29	0.09	0.044
1533086	Soil	2.5	34.6	13.8	93	0.2	29.1	12.2	286	3.36	19.4	1.4	1.9	4.3	15	0.2	0.9	0.3	60	0.14	0.051
1534283	Soil	0.8	21.3	9.9	54	<0.1	18.4	8.5	334	2.53	9.4	1.7	3.3	7.2	15	0.1	0.7	0.2	52	0.17	0.030
1534279	Soil	1.3	17.4	14.3	69	0.1	19.9	8.7	387	2.74	12.5	2.0	5.1	10.2	14	0.1	0.9	0.2	55	0.14	0.033
1534405	Soil	1.2	16.9	13.6	69	0.1	14.7	8.5	365	3.03	9.0	1.7	2.0	8.9	18	0.2	0.6	0.2	56	0.26	0.054
1534406	Soil	1.1	22.3	14.1	60	0.2	16.3	8.1	325	2.57	7.5	1.4	1.3	2.1	20	0.2	0.7	0.2	53	0.26	0.065
1534285	Soil	1.0	40.1	10.3	62	<0.1	25.6	11.6	478	2.87	11.3	4.8	4.0	7.9	20	<0.1	0.8	0.2	58	0.20	0.038
1534284	Soil	0.6	25.2	11.2	59	<0.1	22.8	8.5	340	2.71	10.7	4.9	3.8	7.6	22	<0.1	0.7	0.2	53	0.25	0.037



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Project: ERK
Report Date: August 31, 2017

Page: 6 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1534422	Soil	23	27	0.44	232	0.055	1	1.32	0.009	0.07	0.3	0.15	3.9	0.2	<0.05	4	<0.5	<0.2
1534419	Soil	17	26	0.27	256	0.061	1	1.58	0.007	0.05	0.2	0.03	2.7	0.2	<0.05	8	<0.5	<0.2
1534421	Soil	41	30	0.47	235	0.072	1	1.34	0.010	0.08	0.2	0.03	4.4	0.2	<0.05	5	<0.5	<0.2
1532094	Soil	23	33	0.51	161	0.080	<1	1.28	0.009	0.18	0.9	0.16	3.8	0.9	0.07	5	1.0	<0.2
1534424	Soil	39	59	0.94	343	0.129	<1	1.92	0.008	0.34	0.2	0.03	4.2	0.4	<0.05	6	<0.5	<0.2
1533926	Soil	33	88	1.06	488	0.147	<1	2.28	0.009	0.36	0.2	0.07	5.5	0.4	<0.05	7	<0.5	<0.2
1534423	Soil	21	40	0.56	270	0.069	1	1.59	0.009	0.11	0.2	0.07	4.0	0.2	<0.05	5	<0.5	<0.2
1533134	Soil	22	35	0.50	217	0.068	1	1.46	0.009	0.11	0.2	0.04	4.0	0.2	<0.05	5	<0.5	<0.2
1533077	Soil	13	24	0.30	451	0.037	2	1.11	0.010	0.07	0.1	0.73	3.3	1.2	0.11	4	1.0	<0.2
1533078	Soil	9	17	0.13	215	0.024	1	0.72	0.006	0.04	0.1	0.66	2.1	0.7	0.07	3	1.1	<0.2
1532096	Soil	17	30	0.57	165	0.082	1	1.27	0.009	0.18	0.6	0.07	2.9	0.3	<0.05	5	<0.5	<0.2
1532095	Soil	21	31	0.62	162	0.088	1	1.31	0.009	0.23	0.7	0.03	3.0	0.2	<0.05	4	<0.5	<0.2
1532108	Soil	27	58	1.10	266	0.153	<1	2.13	0.011	0.47	0.3	0.03	4.5	0.4	<0.05	7	<0.5	<0.2
1533081	Soil	11	19	0.22	133	0.033	2	0.92	0.006	0.04	0.2	0.22	2.1	0.4	<0.05	4	0.9	<0.2
1533087	Soil	20	31	0.55	270	0.078	1	1.54	0.009	0.13	0.2	0.07	3.9	0.3	<0.05	5	0.5	<0.2
1533085	Soil	17	30	0.46	254	0.056	1	1.34	0.010	0.09	0.1	0.16	4.0	0.5	<0.05	5	0.5	<0.2
1532099	Soil	41	36	0.59	336	0.079	<1	1.72	0.008	0.29	0.1	0.03	4.5	0.4	0.06	6	0.8	<0.2
1533080	Soil	11	21	0.23	177	0.035	<1	0.90	0.006	0.05	0.1	0.26	2.3	0.6	<0.05	4	0.7	<0.2
1533083	Soil	14	23	0.18	104	0.066	<1	1.01	0.005	0.07	0.2	0.06	2.8	0.8	<0.05	6	<0.5	<0.2
1533084	Soil	19	31	0.53	253	0.062	1	1.52	0.009	0.09	0.1	0.09	4.4	0.7	<0.05	5	<0.5	<0.2
1532105	Soil	23	27	0.41	155	0.059	<1	1.36	0.007	0.16	0.2	0.05	2.4	0.4	<0.05	5	0.6	<0.2
1533079	Soil	11	23	0.23	166	0.031	1	0.97	0.007	0.05	0.1	0.42	2.4	0.6	0.08	4	1.1	<0.2
1533082	Soil	12	19	0.22	86	0.031	<1	0.93	0.005	0.04	0.1	0.25	2.1	0.6	<0.05	4	0.9	<0.2
1533086	Soil	20	33	0.59	186	0.080	<1	1.65	0.008	0.18	0.1	0.06	3.3	0.4	<0.05	6	0.8	<0.2
1534283	Soil	30	40	0.54	298	0.074	2	1.62	0.010	0.09	0.2	0.04	4.5	0.2	<0.05	5	<0.5	<0.2
1534279	Soil	25	29	0.42	226	0.056	2	1.71	0.007	0.10	0.2	0.05	4.0	0.2	<0.05	6	<0.5	<0.2
1534405	Soil	30	30	0.70	288	0.112	2	1.81	0.009	0.22	0.2	0.03	3.7	0.2	<0.05	7	<0.5	<0.2
1534406	Soil	46	37	0.57	426	0.069	3	1.71	0.012	0.21	0.1	0.05	3.5	0.2	<0.05	7	<0.5	<0.2
1534285	Soil	29	35	0.55	303	0.066	2	1.77	0.015	0.07	0.2	0.08	7.6	0.1	<0.05	5	0.6	<0.2
1534284	Soil	31	44	0.58	413	0.075	1	1.56	0.013	0.09	0.2	0.05	5.7	0.1	<0.05	5	<0.5	<0.2



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Report Date: August 31, 2017

Page: 7 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1534410	Soil	1.3	22.7	12.9	111	0.2	20.8	12.4	610	3.81	10.8	2.1	3.7	11.6	21	0.3	1.6	<0.1	59	0.64	0.110
1534409	Soil	1.9	26.5	11.1	108	0.3	23.4	15.7	677	4.40	8.1	1.6	2.4	9.5	22	0.1	0.5	0.1	71	0.50	0.140
1534281	Soil	1.1	17.4	13.5	62	0.1	17.9	7.8	395	2.60	11.4	2.5	2.5	10.7	14	0.1	0.8	0.2	50	0.15	0.028
1534402	Soil	1.3	18.3	16.3	78	<0.1	16.8	7.4	359	2.72	14.2	4.9	4.0	19.0	12	0.1	1.2	0.2	38	0.10	0.027
1534408	Soil	1.0	28.5	12.4	78	0.2	26.2	11.8	445	3.10	11.0	1.5	5.3	8.4	20	0.1	0.7	0.1	58	0.32	0.078
1534407	Soil	1.6	39.8	14.9	82	0.3	33.7	14.6	505	3.37	8.4	2.0	3.5	8.4	19	0.1	0.6	0.1	66	0.30	0.065
1534280	Soil	0.8	28.2	10.7	59	<0.1	21.3	9.3	337	2.66	10.3	3.0	3.7	9.9	16	<0.1	0.8	0.2	52	0.18	0.033
1534401	Soil	1.2	15.7	12.4	67	<0.1	18.1	8.6	499	2.86	12.9	1.3	7.1	5.6	15	0.3	0.8	0.2	60	0.18	0.048
1534403	Soil	1.3	12.6	16.0	67	<0.1	15.3	7.4	341	2.67	33.1	3.3	2.2	15.0	15	0.2	1.5	0.1	38	0.12	0.028
1534404	Soil	0.8	9.5	22.3	105	<0.1	5.8	4.3	262	2.28	13.1	7.0	2.1	27.6	24	<0.1	1.3	0.2	22	0.20	0.036
1532238	Soil	1.7	39.8	9.9	85	<0.1	39.7	13.0	446	2.90	11.3	1.3	2.3	6.6	15	0.2	0.8	0.2	60	0.15	0.032
1471729	Soil	1.2	7.7	12.5	47	0.1	9.1	4.3	264	2.15	8.4	0.5	3.5	4.3	13	0.2	0.4	0.2	51	0.14	0.052
1532244	Soil	1.1	11.5	12.2	56	0.1	19.0	6.8	240	2.43	7.4	0.9	3.8	8.3	13	0.1	0.4	0.2	46	0.17	0.027
1471730	Soil	1.0	14.6	13.2	73	0.2	15.6	6.9	570	2.32	6.1	1.0	<0.5	8.3	21	0.3	0.4	0.2	51	0.24	0.053
1532235	Soil	1.4	23.4	9.2	65	0.1	20.5	8.2	233	2.67	10.6	0.7	3.2	5.1	11	0.2	0.6	0.2	57	0.11	0.024
1532250	Soil	1.3	19.4	12.0	65	0.3	18.4	8.7	454	2.78	8.3	1.5	2.9	8.1	17	0.2	0.5	0.2	54	0.20	0.049
1532243	Soil	1.3	15.3	12.2	65	0.1	20.9	7.8	335	2.67	8.5	1.3	1.7	8.5	17	0.2	0.3	0.2	53	0.21	0.046
1471731	Soil	1.6	20.4	11.3	76	0.2	20.3	8.2	329	2.92	8.1	1.2	2.8	8.3	18	0.1	0.5	0.2	60	0.18	0.046
1532249	Soil	1.2	20.8	11.5	68	0.3	19.0	8.8	478	2.85	8.6	1.6	13.2	8.6	17	0.2	0.5	0.2	52	0.20	0.046
1534420	Soil	0.9	21.8	12.0	66	0.1	20.5	7.4	335	2.38	8.6	3.4	6.5	8.4	18	0.2	0.7	0.2	48	0.22	0.055
1532248	Soil	1.3	25.3	11.2	89	0.2	21.7	9.4	330	2.75	7.6	1.4	2.1	11.0	19	0.2	0.5	0.2	52	0.26	0.075
1532233	Soil	2.7	46.2	12.2	82	0.2	29.3	10.2	431	3.20	19.9	1.6	3.4	6.1	17	0.2	1.5	0.3	51	0.07	0.026
1471728	Soil	2.1	22.4	14.2	82	0.3	27.5	17.4	1142	2.98	9.6	1.9	3.9	9.2	19	0.4	0.5	0.3	60	0.20	0.050
1471726	Soil	1.3	19.7	15.0	81	0.3	19.0	8.6	222	2.66	7.7	1.5	4.1	11.9	18	0.2	0.6	0.3	50	0.30	0.067
1532237	Soil	1.5	29.9	7.8	55	0.1	20.2	7.9	352	2.30	10.2	1.3	<0.5	4.3	20	<0.1	0.8	0.2	49	0.23	0.038
1471727	Soil	1.3	17.2	16.4	72	0.4	19.2	11.5	574	2.46	6.3	2.4	3.7	8.2	26	0.5	0.6	0.4	46	0.34	0.079
1532240	Soil	1.9	35.2	10.2	78	0.2	25.8	13.2	678	2.91	9.8	1.6	2.2	7.0	18	0.1	0.6	0.2	62	0.18	0.032
1532246	Soil	1.7	22.4	15.5	57	0.8	18.7	18.4	903	2.55	7.7	1.1	2.6	3.1	16	0.5	0.3	0.4	56	0.19	0.087
1532226	Soil	1.0	24.8	12.3	80	<0.1	22.2	9.8	412	2.91	8.1	2.0	2.0	11.6	16	0.1	0.5	0.2	55	0.18	0.033
1532232	Soil	1.6	48.2	11.5	100	<0.1	32.9	11.9	372	3.35	8.6	2.2	1.1	11.2	16	0.1	0.6	0.2	57	0.13	0.030



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Report Date: August 31, 2017

Page: 7 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method Analyte Unit MDL	AQ201																	
	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te	
	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1534410	Soil	50	51	0.83	464	0.095	2	1.83	0.009	0.44	0.2	0.13	9.9	0.6	<0.05	7	0.7	<0.2
1534409	Soil	34	62	1.19	319	0.139	2	2.42	0.009	0.67	0.2	0.04	6.8	0.5	<0.05	9	<0.5	<0.2
1534281	Soil	32	28	0.44	259	0.056	1	1.67	0.008	0.09	0.2	0.05	4.4	0.2	<0.05	5	<0.5	<0.2
1534402	Soil	60	22	0.33	217	0.039	2	1.76	0.006	0.14	0.1	0.27	5.7	0.5	<0.05	6	<0.5	<0.2
1534408	Soil	35	58	0.86	306	0.116	2	1.78	0.012	0.24	0.2	0.03	5.8	0.3	<0.05	6	<0.5	<0.2
1534407	Soil	35	88	0.99	279	0.128	2	2.04	0.011	0.33	0.2	0.03	5.2	0.3	<0.05	6	0.5	<0.2
1534280	Soil	32	31	0.49	288	0.062	1	1.61	0.009	0.08	0.2	0.07	5.0	0.2	<0.05	5	<0.5	<0.2
1534401	Soil	17	31	0.45	205	0.051	1	1.81	0.007	0.09	0.1	0.03	3.5	0.1	<0.05	6	<0.5	<0.2
1534403	Soil	45	20	0.29	221	0.033	2	1.64	0.006	0.13	0.1	0.13	3.7	0.4	<0.05	5	<0.5	<0.2
1534404	Soil	79	12	0.71	534	0.073	1	1.86	0.004	0.62	<0.1	0.44	5.1	0.8	<0.05	7	<0.5	<0.2
1532238	Soil	21	48	0.61	205	0.081	1	1.51	0.010	0.13	3.0	0.02	4.7	0.2	<0.05	5	<0.5	<0.2
1471729	Soil	15	19	0.26	238	0.061	1	1.15	0.007	0.09	0.2	0.02	2.7	0.2	<0.05	6	<0.5	<0.2
1532244	Soil	17	46	0.45	188	0.075	2	1.36	0.008	0.10	0.2	0.02	3.6	0.2	<0.05	5	<0.5	<0.2
1471730	Soil	29	23	0.36	391	0.080	1	1.36	0.010	0.18	0.1	0.04	3.4	0.2	<0.05	6	<0.5	<0.2
1532235	Soil	12	34	0.51	214	0.075	1	1.67	0.009	0.10	0.1	0.02	3.3	0.2	<0.05	5	<0.5	<0.2
1532250	Soil	30	30	0.50	308	0.082	<1	1.62	0.009	0.16	0.2	0.03	4.4	0.2	<0.05	6	<0.5	<0.2
1532243	Soil	22	40	0.49	270	0.077	1	1.52	0.009	0.10	0.2	0.03	4.1	0.2	<0.05	6	<0.5	<0.2
1471731	Soil	32	33	0.54	292	0.084	1	1.79	0.014	0.16	0.2	0.02	4.0	0.2	<0.05	6	<0.5	<0.2
1532249	Soil	31	30	0.50	302	0.081	<1	1.65	0.009	0.15	0.2	0.02	4.6	0.2	<0.05	6	<0.5	<0.2
1534420	Soil	54	29	0.42	276	0.062	2	1.31	0.009	0.08	0.3	0.04	4.6	0.1	<0.05	5	<0.5	<0.2
1532248	Soil	40	32	0.61	252	0.101	1	1.53	0.010	0.30	0.2	0.02	4.3	0.3	<0.05	6	0.5	<0.2
1532233	Soil	15	29	0.32	156	0.034	1	1.24	0.006	0.06	0.2	0.04	4.5	0.3	<0.05	4	0.6	<0.2
1471728	Soil	37	42	0.51	394	0.066	2	1.77	0.008	0.12	0.2	0.06	5.0	0.3	<0.05	7	<0.5	<0.2
1471726	Soil	41	30	0.52	231	0.087	2	1.48	0.010	0.16	0.2	0.06	4.3	0.2	<0.05	5	0.6	<0.2
1532237	Soil	17	28	0.42	261	0.052	<1	1.20	0.015	0.05	0.2	0.03	4.5	0.2	<0.05	4	<0.5	<0.2
1471727	Soil	63	28	0.41	419	0.063	2	1.49	0.011	0.10	0.2	0.14	5.9	0.3	<0.05	5	<0.5	<0.2
1532240	Soil	23	37	0.56	301	0.083	1	1.62	0.012	0.14	0.2	0.02	4.9	0.2	<0.05	6	<0.5	<0.2
1532246	Soil	23	32	0.40	376	0.064	2	1.47	0.011	0.12	0.1	0.04	3.3	0.2	<0.05	7	<0.5	<0.2
1532226	Soil	31	41	0.62	331	0.107	1	1.74	0.008	0.18	0.2	0.03	5.9	0.3	<0.05	6	<0.5	<0.2
1532232	Soil	25	39	0.73	325	0.135	1	1.87	0.008	0.48	<0.1	0.01	4.8	0.4	<0.05	6	0.5	<0.2



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Report Date: August 31, 2017

Page: 8 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	%	%
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
1532239	Soil	2.1	42.9	11.4	84	0.2	29.8	12.3	355	3.15	12.7	2.2	2.6	7.8	18	0.1	1.1	0.3	63	0.12	0.025
1532227	Soil	1.0	19.7	10.1	70	<0.1	20.1	11.2	331	2.76	8.8	1.6	3.0	11.2	15	0.1	0.6	0.2	47	0.14	0.033
1532229	Soil	1.6	32.0	12.0	97	0.3	29.5	11.5	449	3.04	9.9	1.4	1.8	9.2	16	0.1	0.5	0.3	61	0.17	0.065
1532231	Soil	2.9	81.3	11.8	163	0.3	49.1	16.7	533	3.85	7.8	2.3	2.5	10.3	15	0.3	0.5	0.3	100	0.10	0.050
1532241	Soil	1.4	21.9	10.8	71	0.2	21.5	9.4	424	3.16	10.4	1.4	2.5	10.8	17	0.2	0.7	0.2	53	0.16	0.035
1532234	Soil	2.2	32.4	12.8	69	0.3	23.1	10.1	370	2.93	13.8	1.0	1.5	4.6	17	0.2	1.1	0.3	61	0.13	0.037
1532228	Soil	1.5	23.8	11.5	79	0.1	23.9	10.1	407	2.93	10.2	1.1	0.9	7.7	14	0.2	0.5	0.2	62	0.13	0.039
1532242	Soil	1.8	19.2	14.6	64	0.2	17.5	10.2	761	2.76	7.2	2.0	0.5	12.4	15	0.3	0.5	0.2	52	0.14	0.036
1532245	Soil	1.5	15.9	20.7	65	0.2	18.2	7.1	286	2.82	9.4	1.9	5.6	11.6	16	0.2	0.6	0.5	50	0.14	0.042
1532230	Soil	1.6	41.5	11.1	92	0.1	32.2	12.4	454	2.97	8.3	2.3	0.6	7.6	18	0.1	0.6	0.2	60	0.15	0.036
1532236	Soil	1.9	31.2	9.8	80	0.1	24.5	10.2	293	2.90	13.6	1.2	4.0	5.4	16	0.1	0.9	0.2	63	0.14	0.028
1532247	Soil	1.2	19.3	11.7	80	0.2	22.5	8.7	249	2.55	9.8	1.1	1.5	4.6	17	0.3	0.5	0.2	53	0.22	0.061
1532255	Soil	1.0	12.3	12.7	48	0.2	14.2	5.9	280	2.23	8.3	0.9	2.2	7.9	17	0.1	0.5	0.2	49	0.16	0.026
1534349	Soil	0.8	18.7	11.4	54	<0.1	16.2	7.6	246	2.32	7.8	1.1	2.2	7.0	20	<0.1	0.7	0.2	43	0.24	0.043
1532254	Soil	0.9	11.2	12.1	62	<0.1	12.7	6.7	497	2.56	7.8	1.5	<0.5	11.4	17	0.1	0.5	0.2	44	0.18	0.034
1534331	Soil	2.6	41.2	12.2	91	0.2	26.4	11.3	899	2.89	22.7	1.9	0.9	5.1	18	0.3	1.4	0.3	48	0.13	0.052
1532256	Soil	1.3	11.4	14.3	73	<0.1	15.7	7.8	803	2.63	10.2	0.8	<0.5	6.2	12	0.3	0.7	0.3	45	0.10	0.056
1534350	Soil	0.9	22.1	12.1	60	<0.1	18.0	8.0	284	2.53	9.3	1.2	1.9	7.7	24	<0.1	0.7	0.2	46	0.28	0.046
1532253	Soil	1.6	12.4	14.7	58	0.1	13.9	10.9	468	2.86	9.3	1.9	1.5	12.7	18	0.1	0.6	0.2	54	0.18	0.046
1534332	Soil	2.5	33.9	12.5	83	0.1	26.4	11.3	599	3.22	20.7	1.2	<0.5	4.6	15	0.3	1.2	0.3	52	0.10	0.041
1532257	Soil	1.4	15.9	29.3	68	1.0	14.0	9.8	1029	2.60	7.3	1.9	3.0	15.0	18	0.2	0.7	0.4	41	0.18	0.045
1534330	Soil	1.3	24.2	12.6	71	0.2	22.6	10.8	415	2.95	19.2	1.4	0.7	7.1	18	0.2	1.2	0.2	53	0.15	0.031
1532252	Soil	0.9	9.7	14.0	58	<0.1	12.8	7.6	305	2.73	7.6	0.9	2.3	10.2	12	0.1	0.5	0.2	49	0.11	0.030
1534336	Soil	2.7	39.3	38.3	108	0.6	27.1	15.1	762	3.52	33.7	2.8	4.9	7.3	20	0.5	2.9	0.4	62	0.18	0.068
1532251	Soil	1.1	20.6	16.3	68	<0.1	16.9	8.5	301	2.92	8.7	2.3	0.5	16.2	17	0.1	0.7	0.3	41	0.13	0.019
1534334	Soil	2.9	52.5	11.9	116	0.2	37.3	10.3	693	2.96	26.7	3.2	1.7	8.1	17	0.4	1.8	0.4	44	0.12	0.047
1534329	Soil	2.0	50.1	13.9	98	0.2	37.0	14.4	748	3.48	30.6	2.6	2.7	8.1	23	0.5	2.1	0.3	48	0.24	0.059
1534335	Soil	2.1	23.4	15.4	92	0.1	19.6	12.2	772	2.81	20.8	1.5	0.8	7.4	20	0.3	1.7	0.3	46	0.17	0.060
1475194	Soil	1.0	16.0	7.7	98	<0.1	18.5	13.1	520	3.37	6.0	1.4	1.5	7.3	19	0.2	0.4	<0.1	57	0.34	0.095
1475185	Soil	1.5	16.5	11.5	74	0.4	15.3	5.9	173	2.44	20.6	1.6	1.2	2.3	15	0.1	0.5	0.2	52	0.17	0.053

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



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Page: 8 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1532239	Soil	24	41	0.56	291	0.085	2	1.64	0.009	0.11	0.1	0.04	5.5	0.2	<0.05	5	0.5	<0.2
1532227	Soil	22	34	0.53	217	0.092	2	1.50	0.008	0.17	0.2	0.02	4.0	0.2	<0.05	5	<0.5	<0.2
1532229	Soil	28	37	0.65	215	0.104	2	1.81	0.007	0.25	0.2	0.02	4.1	0.3	<0.05	6	<0.5	<0.2
1532231	Soil	42	61	1.02	570	0.157	<1	2.16	0.007	0.56	0.1	0.03	6.2	0.5	0.10	7	1.1	<0.2
1532241	Soil	23	31	0.55	265	0.085	<1	1.93	0.014	0.20	0.2	0.02	5.0	0.3	<0.05	6	<0.5	<0.2
1532234	Soil	15	29	0.42	215	0.060	1	1.47	0.008	0.06	0.2	0.02	3.9	0.2	<0.05	5	<0.5	<0.2
1532228	Soil	14	36	0.59	209	0.098	<1	1.65	0.007	0.17	0.2	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
1532242	Soil	45	29	0.43	285	0.081	2	1.60	0.008	0.19	0.2	0.06	5.2	0.3	<0.05	7	<0.5	<0.2
1532245	Soil	39	32	0.41	269	0.069	<1	1.70	0.008	0.12	0.2	0.04	4.2	0.2	<0.05	7	<0.5	<0.2
1532230	Soil	29	35	0.61	402	0.095	1	1.62	0.009	0.20	0.1	0.03	5.8	0.2	<0.05	5	0.6	<0.2
1532236	Soil	15	37	0.54	228	0.065	1	1.83	0.010	0.06	0.2	0.02	4.2	0.2	<0.05	5	<0.5	<0.2
1532247	Soil	21	32	0.52	210	0.085	<1	1.51	0.008	0.12	0.2	0.05	3.6	0.2	<0.05	5	<0.5	<0.2
1532255	Soil	34	29	0.34	310	0.080	1	1.27	0.008	0.12	0.2	0.03	3.3	0.2	<0.05	6	<0.5	<0.2
1534349	Soil	22	25	0.43	266	0.076	1	1.31	0.009	0.10	0.2	0.02	4.1	0.1	<0.05	4	<0.5	<0.2
1532254	Soil	30	22	0.39	267	0.108	1	1.37	0.007	0.28	0.3	0.01	4.3	0.3	<0.05	7	<0.5	<0.2
1534331	Soil	24	25	0.30	207	0.041	<1	1.12	0.005	0.08	0.1	0.06	4.2	0.3	<0.05	4	0.8	<0.2
1532256	Soil	13	24	0.38	230	0.062	<1	1.39	0.005	0.14	0.2	0.02	3.7	0.2	<0.05	6	<0.5	<0.2
1534350	Soil	25	26	0.49	318	0.080	<1	1.46	0.013	0.11	0.2	0.02	4.9	0.1	<0.05	5	<0.5	<0.2
1532253	Soil	45	31	0.49	338	0.081	<1	1.82	0.008	0.15	0.2	0.02	5.2	0.2	<0.05	7	<0.5	<0.2
1534332	Soil	16	26	0.31	167	0.042	<1	1.38	0.005	0.08	0.1	0.03	4.0	0.2	<0.05	5	<0.5	<0.2
1532257	Soil	46	24	0.42	387	0.065	2	1.51	0.007	0.20	0.2	0.06	5.4	0.3	<0.05	7	<0.5	<0.2
1534330	Soil	22	37	0.48	246	0.070	2	1.74	0.008	0.07	0.1	0.08	5.2	0.2	<0.05	6	<0.5	<0.2
1532252	Soil	15	27	0.55	204	0.132	<1	1.84	0.007	0.33	0.3	<0.01	5.1	0.3	<0.05	7	<0.5	<0.2
1534336	Soil	39	35	0.45	250	0.056	2	1.85	0.007	0.12	0.2	0.20	5.6	0.4	<0.05	7	0.5	<0.2
1532251	Soil	46	25	0.48	283	0.098	<1	1.69	0.009	0.25	0.2	0.03	6.4	0.3	<0.05	6	0.5	<0.2
1534334	Soil	34	25	0.33	188	0.051	<1	1.19	0.005	0.14	0.1	0.14	5.5	0.4	<0.05	4	<0.5	<0.2
1534329	Soil	29	31	0.40	279	0.049	2	1.44	0.008	0.10	0.2	0.07	5.8	0.3	<0.05	4	<0.5	<0.2
1534335	Soil	19	22	0.38	169	0.072	<1	1.18	0.005	0.20	0.3	0.04	4.0	0.4	<0.05	5	<0.5	<0.2
1475194	Soil	24	50	1.06	201	0.152	<1	1.94	0.011	0.48	0.4	0.01	4.0	0.4	<0.05	7	<0.5	<0.2
1475185	Soil	19	29	0.51	136	0.066	1	1.35	0.010	0.11	0.2	0.18	3.1	0.3	<0.05	5	<0.5	<0.2



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Page: 9 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method Analyte	Unit	MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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	2	0.01	0.001	
1475176	Soil		1.9	14.4	10.2	57	0.1	15.4	7.4	217	2.13	68.8	0.9	3.7	2.9	21	0.1	2.1	0.2	46	0.22	0.053
1475183	Soil		1.4	19.3	11.9	77	0.2	20.3	13.9	618	3.24	12.2	1.7	0.5	7.9	27	0.2	0.6	0.2	55	0.47	0.081
1475189	Soil		1.0	13.7	10.5	66	0.2	12.8	7.7	249	2.59	7.1	1.9	1.2	4.7	17	0.1	0.3	0.1	49	0.19	0.071
1475190	Soil		1.1	14.9	13.3	79	0.2	15.9	11.8	576	2.84	11.7	1.6	1.8	4.7	17	0.1	0.5	0.1	53	0.21	0.066
1475177	Soil		1.1	13.7	10.2	64	0.1	14.7	7.4	204	2.45	42.4	0.9	<0.5	2.7	19	0.2	1.6	0.2	52	0.22	0.056
1475182	Soil		1.0	15.3	10.2	70	0.1	22.1	12.7	540	2.73	12.3	1.3	2.0	6.4	20	0.2	0.6	0.2	50	0.28	0.058
1475184	Soil		2.6	35.6	11.7	94	0.2	33.7	13.8	418	3.54	28.2	1.9	1.1	6.0	13	0.1	1.1	0.3	68	0.10	0.062
1475188	Soil		0.8	15.1	9.6	62	0.2	13.6	5.6	155	2.36	20.7	1.6	2.7	2.8	14	0.1	0.4	0.1	52	0.18	0.062
1475181	Soil		0.5	14.8	7.8	35	0.1	9.8	3.5	94	1.76	14.7	1.1	5.4	1.4	13	0.1	0.4	0.1	34	0.14	0.040
1475180	Soil		0.8	8.7	7.3	33	<0.1	8.5	3.1	99	1.52	19.5	0.7	2.8	1.6	14	<0.1	0.6	0.1	40	0.17	0.036
1475192	Soil		1.3	15.6	9.2	83	<0.1	17.7	11.7	506	3.34	7.6	1.2	1.8	6.6	17	0.1	0.4	0.1	66	0.30	0.086
1475191	Soil		0.8	11.0	9.4	62	0.2	13.2	6.1	192	2.16	6.2	1.6	<0.5	4.1	17	<0.1	0.3	0.1	42	0.23	0.068
1475179	Soil		1.1	14.2	9.5	57	0.1	14.4	6.8	261	2.53	43.2	1.0	2.1	1.8	17	0.1	1.4	0.2	54	0.18	0.052
1475186	Soil		0.8	14.4	7.7	55	0.3	12.7	4.4	120	1.70	13.5	1.2	2.4	1.5	15	0.2	0.3	0.1	39	0.19	0.049
1534327	Soil		1.3	17.4	9.0	68	0.1	16.9	6.5	177	2.42	14.5	1.2	9.4	3.3	16	0.1	0.6	0.2	50	0.21	0.064
1534333	Soil		2.8	43.1	12.4	115	0.2	36.0	12.0	893	3.28	39.9	1.8	6.9	7.3	19	0.5	2.8	0.2	51	0.16	0.048
1534339	Soil		1.0	10.6	12.1	42	0.1	9.8	3.5	162	1.75	4.6	1.0	4.7	6.3	13	0.1	0.3	0.2	43	0.12	0.024
1534344	Soil		1.0	16.8	12.6	64	<0.1	15.3	7.4	292	2.62	6.4	1.5	2.7	9.1	17	0.1	0.4	0.2	44	0.21	0.047
1534337	Soil		2.1	26.2	20.1	111	0.2	24.1	18.0	1010	3.72	22.1	2.2	3.1	10.1	18	0.3	2.0	0.3	61	0.17	0.066
1534342	Soil		0.9	17.4	11.6	55	<0.1	16.5	7.3	244	2.63	7.6	1.4	7.4	11.4	14	0.1	0.5	0.2	47	0.15	0.023
1534343	Soil		1.0	12.9	10.8	46	<0.1	12.1	5.7	214	2.31	7.7	0.9	0.8	3.9	13	0.1	0.4	0.2	49	0.14	0.038
1534346	Soil		1.0	25.2	9.2	70	0.1	23.0	9.4	384	2.42	9.1	1.4	4.6	4.6	35	0.3	0.8	0.2	53	0.61	0.077
1534328	Soil		1.2	36.2	13.2	88	0.2	25.3	11.7	308	3.09	14.9	2.8	2.8	8.2	26	0.3	1.3	0.2	54	0.35	0.069
1534340	Soil		1.2	12.9	12.3	59	<0.1	17.7	7.6	251	2.86	9.9	1.0	5.0	7.9	14	0.1	0.6	0.2	59	0.15	0.032
1534338	Soil		0.9	11.3	15.1	58	<0.1	14.1	5.1	323	1.85	4.3	1.5	1.5	13.8	12	0.1	0.4	0.2	26	0.14	0.025
1534345	Soil		1.2	26.8	9.4	70	<0.1	24.1	10.2	409	2.49	9.7	0.9	2.3	5.6	32	0.3	0.9	0.1	57	0.47	0.079
1475187	Soil		1.0	11.5	10.4	72	0.3	14.7	5.9	163	2.07	12.1	1.2	2.6	2.5	16	0.1	0.4	0.1	54	0.20	0.052
1534341	Soil		1.0	12.6	11.3	55	0.1	14.1	7.6	305	2.78	8.0	1.2	3.4	8.3	14	0.2	0.4	0.3	55	0.14	0.038
1534348	Soil		0.9	22.7	9.4	63	<0.1	19.4	7.8	261	2.46	8.8	0.8	3.5	6.1	26	0.1	0.8	0.2	50	0.36	0.059
1534347	Soil		0.6	19.8	8.7	59	<0.1	18.4	8.4	272	2.36	8.3	0.7	4.5	4.9	27	0.2	0.6	0.2	49	0.39	0.081



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Project: ERK

Report Date: August 31, 2017

Page: 9 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method Analyte Unit MDL	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	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1475176	Soil	13	24	0.35	147	0.037	2	1.10	0.008	0.06	0.2	0.46	3.0	0.2	<0.05	4	<0.5	<0.2
1475183	Soil	24	41	0.73	218	0.088	<1	1.80	0.009	0.23	0.2	0.05	4.5	0.3	<0.05	7	<0.5	<0.2
1475189	Soil	30	31	0.58	181	0.081	1	1.64	0.008	0.18	0.2	0.10	4.2	0.3	<0.05	6	<0.5	<0.2
1475190	Soil	23	38	0.65	164	0.094	1	1.66	0.009	0.20	0.2	0.09	4.3	0.4	<0.05	6	<0.5	<0.2
1475177	Soil	13	34	0.49	144	0.049	2	1.48	0.008	0.08	0.2	0.37	3.6	0.3	<0.05	5	<0.5	<0.2
1475182	Soil	21	52	0.72	267	0.081	<1	1.64	0.008	0.21	0.1	0.04	4.0	0.3	<0.05	6	<0.5	<0.2
1475184	Soil	24	36	0.52	140	0.097	2	1.68	0.007	0.28	0.2	0.07	3.5	0.5	<0.05	6	<0.5	<0.2
1475188	Soil	25	33	0.51	153	0.085	2	1.42	0.009	0.16	0.4	0.15	3.8	0.4	<0.05	6	<0.5	<0.2
1475181	Soil	16	26	0.30	106	0.056	2	1.10	0.009	0.05	0.2	0.19	2.4	0.3	<0.05	5	<0.5	<0.2
1475180	Soil	12	21	0.28	81	0.051	3	0.91	0.008	0.05	0.3	0.18	2.1	0.1	<0.05	4	<0.5	<0.2
1475192	Soil	19	44	0.79	152	0.137	2	1.70	0.011	0.33	0.5	0.03	3.7	0.3	<0.05	7	<0.5	<0.2
1475191	Soil	23	36	0.59	155	0.098	2	1.63	0.011	0.19	0.2	0.05	3.4	0.2	<0.05	6	<0.5	<0.2
1475179	Soil	14	27	0.39	144	0.047	3	1.34	0.010	0.05	0.2	0.28	2.9	0.2	<0.05	5	<0.5	<0.2
1475186	Soil	17	28	0.42	147	0.068	1	1.21	0.009	0.08	0.2	0.18	3.0	0.2	<0.05	5	<0.5	<0.2
1534327	Soil	17	29	0.45	121	0.077	2	1.21	0.011	0.13	0.2	0.07	3.1	0.3	<0.05	5	0.6	<0.2
1534333	Soil	22	30	0.40	180	0.063	2	1.46	0.007	0.14	0.2	0.10	4.4	0.3	<0.05	4	<0.5	<0.2
1534339	Soil	24	23	0.27	173	0.090	2	1.06	0.009	0.15	0.2	0.03	3.5	0.2	<0.05	6	<0.5	<0.2
1534344	Soil	38	27	0.44	235	0.100	1	1.51	0.010	0.23	0.3	0.03	3.9	0.3	<0.05	6	<0.5	<0.2
1534337	Soil	29	35	0.56	214	0.102	2	1.74	0.008	0.23	0.2	0.07	4.4	0.4	<0.05	7	<0.5	<0.2
1534342	Soil	32	30	0.47	250	0.092	1	1.69	0.008	0.17	0.2	0.01	4.3	0.2	<0.05	6	<0.5	<0.2
1534343	Soil	22	24	0.33	167	0.075	1	1.43	0.008	0.14	0.2	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
1534346	Soil	17	28	0.50	384	0.066	2	1.31	0.023	0.07	0.4	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
1534328	Soil	31	37	0.61	280	0.084	2	1.49	0.016	0.19	0.2	0.13	6.0	0.3	<0.05	5	0.5	<0.2
1534340	Soil	20	34	0.45	240	0.090	1	1.67	0.008	0.16	0.3	0.02	4.2	0.2	<0.05	6	<0.5	<0.2
1534338	Soil	38	25	0.32	180	0.073	<1	0.99	0.006	0.20	0.2	0.02	3.6	0.3	<0.05	4	<0.5	<0.2
1534345	Soil	20	28	0.49	390	0.071	2	1.20	0.023	0.08	0.4	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
1475187	Soil	17	37	0.57	177	0.089	2	1.53	0.011	0.14	0.2	0.22	3.7	0.3	<0.05	6	<0.5	<0.2
1534341	Soil	23	37	0.49	227	0.100	<1	1.62	0.009	0.17	0.2	0.02	4.0	0.3	<0.05	6	<0.5	<0.2
1534348	Soil	21	27	0.47	358	0.074	1	1.28	0.017	0.09	0.2	0.02	4.1	0.1	<0.05	4	<0.5	<0.2
1534347	Soil	21	26	0.44	273	0.071	1	1.23	0.018	0.06	0.3	0.03	3.9	0.1	<0.05	4	<0.5	<0.2



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Page: 10 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	0.001
1475193	Soil	1.2	14.3	9.0	80	0.1	18.0	10.4	331	2.82	6.6	1.4	2.4	6.3	21	0.1	0.4	0.1	56	0.29	0.072
1475743	Soil	1.5	23.4	12.3	64	0.1	23.7	12.7	437	3.21	16.2	1.2	3.1	6.0	17	0.2	1.0	0.2	68	0.15	0.031
1475742	Soil	1.2	31.8	11.8	63	<0.1	25.9	11.4	441	2.96	36.5	1.4	3.4	6.5	18	0.2	1.5	0.2	56	0.16	0.035
1475749	Soil	1.0	19.3	7.8	89	<0.1	20.1	12.4	491	3.11	7.0	1.1	2.1	7.3	20	0.2	0.5	<0.1	58	0.33	0.087
1475747	Soil	2.3	39.1	14.0	58	<0.1	18.6	17.1	661	2.63	164.7	2.0	6.6	3.4	27	0.3	4.2	0.2	56	0.14	0.065
1475178	Soil	1.5	15.7	11.2	60	0.1	15.4	11.4	565	2.97	76.2	0.9	2.5	2.5	19	0.1	2.1	0.2	63	0.21	0.067
1475745	Soil	1.6	35.7	18.5	47	<0.1	16.7	7.9	223	2.27	229.6	2.7	3.3	6.3	37	0.2	6.1	0.2	43	0.12	0.060
1475750	Soil	0.9	20.3	8.1	86	<0.1	20.5	12.5	455	3.08	6.9	1.2	0.9	7.5	20	0.2	0.5	<0.1	59	0.32	0.082
1475744	Soil	1.5	34.4	10.7	64	0.1	26.6	13.4	303	2.87	138.5	1.0	3.6	5.2	20	0.2	5.0	0.1	58	0.16	0.030
1475748	Soil	1.3	40.3	9.7	62	0.1	20.3	9.1	280	2.34	79.2	1.7	4.7	5.5	26	0.2	2.8	0.1	49	0.21	0.056
1475197	Soil	1.0	26.8	8.6	80	0.1	20.6	9.5	392	2.94	10.1	1.3	2.7	6.0	27	0.2	0.6	0.1	55	0.38	0.086
1533824	Soil	2.1	44.7	10.6	124	0.3	44.1	12.8	419	3.58	9.8	2.2	1.9	9.1	23	0.3	0.3	0.2	78	0.31	0.082
1475195	Soil	1.0	22.4	9.6	91	<0.1	22.3	12.6	523	3.16	8.2	1.7	5.6	6.8	19	0.2	0.6	0.2	62	0.29	0.083
1475746	Soil	1.2	31.0	11.1	67	0.1	21.1	9.7	347	2.73	77.4	1.4	5.6	2.3	20	0.3	2.5	0.3	61	0.19	0.075
1475196	Soil	1.0	23.9	9.5	69	0.1	20.6	8.3	251	2.60	9.3	1.4	8.0	3.3	22	<0.1	0.6	0.2	52	0.26	0.075
1533825	Soil	2.1	45.7	10.0	127	0.3	42.3	13.2	410	3.53	9.5	2.2	1.9	8.8	22	0.3	0.3	0.2	81	0.26	0.076
1534278	Soil	2.1	24.8	11.2	91	0.4	23.0	12.4	504	2.63	12.5	1.6	3.5	3.6	18	0.4	0.5	0.2	65	0.21	0.067
1534277	Soil	2.5	49.0	10.7	174	0.3	41.5	12.3	423	3.45	9.9	2.6	3.4	9.3	25	0.4	0.5	0.2	86	0.33	0.096
1533811	Soil	1.4	26.3	11.6	85	0.4	24.0	8.8	206	2.72	20.2	1.5	7.3	2.6	17	0.3	0.8	0.3	56	0.18	0.062
1533821	Soil	1.3	16.0	9.8	65	0.2	15.5	5.6	147	2.31	17.4	0.9	4.8	2.3	13	0.1	0.8	0.2	54	0.15	0.056
1534282	Soil	1.9	20.6	15.8	66	0.4	24.3	8.2	347	2.59	9.2	2.2	5.0	7.0	21	0.2	0.5	0.5	61	0.26	0.035
1534276	Soil	1.9	23.0	12.1	75	0.4	24.7	10.1	440	2.67	16.5	1.4	3.7	3.7	20	0.2	0.9	0.2	60	0.25	0.065
1533808	Soil	1.8	37.1	12.1	89	0.3	28.5	12.3	307	3.03	13.7	1.8	3.4	6.1	15	0.3	1.4	0.3	49	0.17	0.056
1533820	Soil	1.2	12.5	8.9	53	0.2	12.4	4.2	122	1.78	10.0	0.8	4.3	1.6	13	<0.1	0.8	0.2	42	0.13	0.036
1533813	Soil	1.8	17.1	11.2	71	0.4	21.8	6.6	211	2.29	12.0	1.5	4.2	3.5	21	0.2	0.5	0.3	57	0.30	0.055
1533807	Soil	2.4	40.2	17.5	103	0.2	32.6	14.6	592	3.37	14.3	1.5	4.1	6.8	14	0.2	1.1	0.4	47	0.13	0.055
1533812	Soil	1.3	14.9	13.8	81	0.4	20.6	7.9	303	2.47	13.2	0.9	5.3	2.9	17	0.2	0.6	0.4	57	0.20	0.054
1533818	Soil	1.4	13.6	9.2	61	0.2	16.2	5.2	155	2.07	11.0	0.9	5.1	2.5	14	0.1	0.9	0.2	43	0.19	0.060
1533809	Soil	2.2	43.1	10.6	112	0.2	38.0	16.9	538	3.77	16.5	1.5	3.9	5.4	19	0.3	1.3	0.2	74	0.26	0.088
1533810	Soil	2.2	29.1	12.2	80	0.2	25.0	9.4	230	3.53	37.6	1.5	4.5	3.1	15	0.4	1.5	0.3	67	0.17	0.077



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Page: 10 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
1475193	Soil	20	42	0.71	196	0.114	2	1.59	0.014	0.21	0.3	0.04	3.9	0.3	<0.05	6	<0.5	<0.2
1475743	Soil	17	42	0.52	244	0.073	2	2.46	0.011	0.07	0.2	0.10	6.2	0.2	<0.05	6	<0.5	<0.2
1475742	Soil	23	36	0.50	231	0.070	3	1.89	0.010	0.10	0.2	0.43	6.1	0.2	<0.05	5	<0.5	<0.2
1475749	Soil	23	46	0.80	192	0.129	1	1.75	0.013	0.35	0.3	0.03	4.2	0.3	<0.05	6	<0.5	<0.2
1475747	Soil	18	29	0.28	201	0.044	5	1.38	0.008	0.07	0.2	1.00	3.8	0.5	<0.05	5	<0.5	<0.2
1475178	Soil	15	30	0.41	157	0.055	2	1.33	0.010	0.07	0.2	0.32	3.3	0.2	<0.05	5	<0.5	<0.2
1475745	Soil	20	24	0.25	146	0.033	5	1.17	0.006	0.08	0.2	1.15	3.8	0.3	<0.05	4	0.5	<0.2
1475750	Soil	25	45	0.78	217	0.126	<1	1.69	0.012	0.32	0.2	0.03	4.2	0.3	<0.05	6	<0.5	<0.2
1475744	Soil	13	37	0.47	168	0.068	3	2.24	0.011	0.08	0.2	1.72	4.3	0.2	<0.05	5	<0.5	<0.2
1475748	Soil	18	28	0.36	213	0.062	1	1.09	0.012	0.08	0.2	0.59	5.0	0.2	<0.05	3	<0.5	<0.2
1475197	Soil	27	37	0.68	296	0.105	1	1.59	0.013	0.24	0.2	0.06	4.9	0.3	<0.05	6	<0.5	<0.2
1533824	Soil	32	53	0.92	733	0.152	1	1.91	0.012	0.50	0.2	0.02	5.4	0.4	<0.05	7	0.6	<0.2
1475195	Soil	29	42	0.77	208	0.118	3	1.99	0.011	0.31	0.3	0.02	4.6	0.3	<0.05	7	<0.5	<0.2
1475746	Soil	17	29	0.43	177	0.046	4	1.62	0.009	0.07	0.2	0.51	3.7	0.2	<0.05	5	<0.5	<0.2
1475196	Soil	23	32	0.54	243	0.070	2	1.61	0.011	0.10	0.2	0.05	4.5	0.2	<0.05	5	<0.5	<0.2
1533825	Soil	30	50	0.91	695	0.151	2	1.84	0.012	0.52	0.2	0.02	4.9	0.4	<0.05	6	0.8	<0.2
1534278	Soil	20	35	0.55	267	0.070	2	1.65	0.009	0.11	0.2	0.04	3.9	0.2	<0.05	6	0.7	<0.2
1534277	Soil	45	47	0.96	402	0.137	2	1.86	0.013	0.48	0.2	0.02	5.5	0.4	<0.05	7	1.0	<0.2
1533811	Soil	22	32	0.50	251	0.066	2	1.59	0.009	0.10	0.2	0.08	4.0	0.3	<0.05	5	0.7	<0.2
1533821	Soil	14	29	0.45	123	0.068	2	1.30	0.008	0.10	0.2	0.07	2.6	0.3	<0.05	5	0.7	<0.2
1534282	Soil	31	42	0.55	381	0.087	2	1.82	0.012	0.12	0.2	0.03	4.3	0.3	<0.05	7	<0.5	<0.2
1534276	Soil	23	36	0.50	337	0.065	2	1.58	0.010	0.11	0.2	0.07	4.2	0.2	<0.05	5	<0.5	<0.2
1533808	Soil	27	30	0.49	191	0.072	2	1.63	0.009	0.13	0.2	0.08	4.6	0.3	<0.05	5	0.8	<0.2
1533820	Soil	14	25	0.41	124	0.064	2	1.15	0.008	0.08	0.2	0.07	2.3	0.3	<0.05	5	<0.5	<0.2
1533813	Soil	25	35	0.50	309	0.065	2	1.50	0.009	0.10	0.3	0.04	3.8	0.2	<0.05	6	<0.5	<0.2
1533807	Soil	21	28	0.51	159	0.078	1	1.53	0.007	0.24	0.2	0.03	3.7	0.5	<0.05	5	0.8	0.2
1533812	Soil	17	44	0.58	158	0.090	2	1.49	0.009	0.18	0.2	0.06	3.1	0.3	<0.05	6	<0.5	<0.2
1533818	Soil	17	31	0.45	126	0.071	2	1.23	0.009	0.11	0.3	0.07	2.7	0.3	<0.05	5	<0.5	<0.2
1533809	Soil	21	42	0.71	336	0.107	1	1.80	0.012	0.29	0.2	0.07	4.5	0.3	<0.05	5	0.6	<0.2
1533810	Soil	24	32	0.51	213	0.064	2	1.62	0.009	0.11	0.2	0.07	3.8	0.3	<0.05	5	0.6	<0.2

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



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Report Date: August 31, 2017

Page: 11 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method Analyte	Unit	MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	%
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	0.001
1533816	Soil		1.5	13.3	11.8	62	0.3	19.0	5.6	194	2.35	13.1	0.9	2.2	2.0	15	<0.1	0.7	0.2	56	0.18	0.054	
1533819	Soil		1.0	14.7	9.1	52	0.2	13.9	4.6	131	1.99	11.5	1.0	2.8	1.3	14	0.2	0.6	0.2	39	0.15	0.047	
1533822	Soil		1.9	23.9	10.9	83	0.2	22.1	9.3	344	3.13	20.7	1.2	5.6	3.8	15	0.2	0.8	0.2	58	0.18	0.071	
1533815	Soil		1.0	13.4	11.1	67	0.2	20.3	6.0	173	2.10	8.5	1.1	3.4	2.6	18	0.2	0.7	0.2	49	0.22	0.061	
1533798	Soil		0.9	11.6	9.0	59	0.2	14.0	4.4	137	1.73	8.2	1.1	2.0	2.2	17	0.2	0.6	0.1	41	0.20	0.057	
1533802	Soil		1.3	45.7	12.0	125	0.1	43.2	15.8	628	3.55	14.2	1.4	5.6	9.1	16	0.5	1.7	0.2	53	0.22	0.062	
1533817	Soil		1.5	13.7	11.3	69	0.2	21.9	6.5	175	2.40	11.2	0.9	8.2	2.5	16	0.2	0.8	0.2	59	0.20	0.060	
1533823	Soil		1.9	40.8	11.0	108	0.5	34.9	14.2	481	3.43	18.6	2.5	7.7	6.6	20	0.3	0.7	0.3	68	0.22	0.081	
1533805	Soil		2.1	38.3	13.7	86	0.3	24.7	9.4	242	3.15	20.2	2.4	5.7	3.9	16	0.3	1.5	0.3	52	0.17	0.069	
1533800	Soil		1.3	13.1	10.3	72	0.3	16.5	5.6	152	2.39	12.8	1.0	3.2	2.4	16	0.3	1.0	0.2	60	0.20	0.064	
1533803	Soil		1.8	34.4	11.5	103	0.3	29.0	11.4	287	3.10	20.0	1.6	4.7	5.0	19	0.3	2.3	0.2	68	0.26	0.079	
1533814	Soil		0.8	11.3	10.5	57	0.3	17.5	5.0	160	1.77	5.7	1.0	2.3	2.4	18	0.1	0.6	0.2	37	0.20	0.049	
1533801	Soil		1.1	46.0	11.3	66	0.4	22.5	5.6	143	2.20	10.1	2.0	3.9	1.6	15	0.5	1.3	0.2	55	0.18	0.065	
1444494	Soil		2.8	46.6	12.1	136	0.3	28.8	12.1	458	2.92	46.0	2.7	5.4	3.9	27	0.6	6.1	0.2	75	0.18	0.064	
1533799	Soil		1.1	13.6	9.6	63	0.2	14.4	4.8	143	2.27	10.8	1.1	2.4	1.9	16	0.1	0.9	0.2	51	0.19	0.060	
1533804	Soil		2.4	43.8	12.0	89	0.2	25.3	13.9	649	3.37	25.4	1.4	1.3	5.3	15	0.2	1.9	0.3	60	0.14	0.059	
1533806	Soil		2.1	39.1	12.3	84	0.2	27.8	11.4	407	3.11	14.0	1.9	3.7	4.6	14	0.3	1.2	0.3	54	0.16	0.055	
1532223	Soil		0.9	25.7	10.0	59	<0.1	25.1	9.4	339	2.72	12.0	1.2	3.6	7.2	15	<0.1	0.9	0.2	58	0.16	0.026	
1532221	Soil		1.3	29.0	13.1	56	<0.1	21.5	9.5	357	2.36	15.0	1.3	4.0	5.9	14	0.1	2.0	0.2	48	0.14	0.016	
1444483	Soil		1.2	30.5	9.6	62	0.1	24.5	9.9	302	2.60	12.7	1.2	2.1	5.5	12	0.2	1.1	0.2	59	0.13	0.040	
1444490	Soil		1.8	31.9	12.6	56	0.2	18.7	7.7	410	2.50	31.9	1.4	4.7	3.2	16	0.2	4.2	0.2	57	0.17	0.082	
1532219	Soil		1.1	26.4	13.4	59	0.1	20.5	9.6	318	2.72	28.5	1.7	12.4	7.4	14	<0.1	2.9	0.2	52	0.16	0.038	
1444495	Soil		2.1	43.4	10.7	82	0.3	23.9	9.8	275	2.62	25.7	2.1	6.7	3.3	18	0.3	3.6	0.2	62	0.18	0.070	
1444476	Soil		1.2	16.7	11.7	64	0.1	19.0	9.2	357	2.94	12.4	1.0	5.1	5.1	13	0.2	0.7	0.2	63	0.15	0.033	
1532216	Soil		1.0	21.1	11.1	70	0.2	17.4	8.0	314	2.29	9.1	1.7	3.9	2.5	16	0.3	0.6	0.2	50	0.19	0.059	
1532215	Soil		1.0	17.4	10.8	63	0.2	17.0	8.5	354	2.28	8.7	1.7	2.6	2.1	17	0.1	0.6	0.2	47	0.19	0.059	
1444486	Soil		1.5	53.1	9.5	113	0.3	44.8	13.4	528	3.57	16.4	1.6	3.9	5.4	22	0.3	1.3	0.1	90	0.27	0.059	
1532214	Soil		1.6	18.4	11.6	82	0.3	19.4	11.7	403	2.85	10.8	1.6	2.6	6.9	15	0.2	0.9	0.1	54	0.20	0.060	
1532222	Soil		1.3	20.0	11.0	69	<0.1	22.6	12.4	485	2.96	13.4	0.8	2.6	6.1	13	0.2	1.0	0.2	59	0.13	0.050	
1444487	Soil		1.0	34.2	10.1	60	0.1	23.4	10.6	480	2.54	13.6	1.8	4.9	3.6	18	0.1	1.3	0.2	56	0.19	0.035	



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Project: ERK

Report Date: August 31, 2017

Page: 11 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method Analyte Unit MDL	AQ201																	
	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te	
	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1533816	Soil	15	37	0.56	142	0.076	1	1.41	0.008	0.09	0.3	0.09	2.7	0.3	<0.05	6	<0.5	<0.2
1533819	Soil	14	28	0.41	136	0.062	2	1.22	0.008	0.10	0.1	0.10	2.5	0.3	<0.05	5	0.6	<0.2
1533822	Soil	18	33	0.52	201	0.086	1	1.43	0.008	0.19	0.2	0.06	3.2	0.3	<0.05	5	0.7	<0.2
1533815	Soil	20	41	0.55	183	0.084	2	1.39	0.010	0.09	0.3	0.08	3.2	0.3	<0.05	5	<0.5	<0.2
1533798	Soil	19	32	0.49	182	0.073	2	1.27	0.010	0.08	0.3	0.06	2.7	0.3	<0.05	5	0.7	<0.2
1533802	Soil	28	38	0.81	280	0.128	1	1.83	0.009	0.48	0.2	0.04	4.6	0.6	<0.05	6	<0.5	<0.2
1533817	Soil	17	40	0.58	158	0.083	2	1.44	0.009	0.11	0.2	0.08	3.2	0.3	<0.05	6	0.5	<0.2
1533823	Soil	27	47	0.71	359	0.116	1	1.88	0.010	0.32	0.1	0.05	5.3	0.4	<0.05	6	0.7	<0.2
1533805	Soil	23	35	0.52	188	0.065	1	1.73	0.008	0.14	0.2	0.13	4.2	0.4	<0.05	5	0.9	<0.2
1533800	Soil	18	34	0.54	162	0.078	1	1.38	0.009	0.09	0.3	0.12	3.0	0.3	<0.05	5	<0.5	<0.2
1533803	Soil	22	41	0.62	268	0.090	2	1.68	0.011	0.14	0.2	0.12	4.9	0.4	<0.05	5	0.7	<0.2
1533814	Soil	19	41	0.53	170	0.086	2	1.35	0.010	0.09	0.2	0.10	3.2	0.3	<0.05	6	<0.5	<0.2
1533801	Soil	26	34	0.48	198	0.064	2	1.47	0.010	0.08	0.2	0.08	3.3	0.3	<0.05	5	0.7	<0.2
1444494	Soil	14	75	0.30	794	0.027	3	1.22	0.005	0.08	0.1	0.18	11.7	0.2	<0.05	4	1.2	<0.2
1533799	Soil	18	32	0.50	153	0.072	2	1.39	0.009	0.08	0.2	0.09	2.9	0.3	<0.05	5	0.6	<0.2
1533804	Soil	24	32	0.60	168	0.080	1	1.43	0.010	0.32	0.2	0.05	3.5	0.5	0.13	5	0.5	<0.2
1533806	Soil	25	33	0.50	177	0.074	2	1.51	0.007	0.19	0.2	0.08	3.9	0.4	<0.05	6	0.7	<0.2
1532223	Soil	24	36	0.55	327	0.071	2	1.87	0.010	0.08	0.2	0.06	4.7	0.2	<0.05	5	<0.5	<0.2
1532221	Soil	20	37	0.43	460	0.048	2	1.37	0.007	0.05	0.1	0.06	4.5	0.1	<0.05	4	<0.5	<0.2
1444483	Soil	16	35	0.47	448	0.050	1	1.62	0.008	0.06	0.2	0.04	4.0	0.1	<0.05	5	<0.5	<0.2
1444490	Soil	13	28	0.37	450	0.047	1	1.51	0.011	0.06	0.2	0.12	3.8	0.1	<0.05	5	0.6	<0.2
1532219	Soil	25	38	0.49	468	0.056	2	1.67	0.007	0.07	0.2	0.20	5.0	0.2	<0.05	5	<0.5	<0.2
1444495	Soil	15	43	0.36	547	0.037	2	1.23	0.007	0.06	0.2	0.17	5.8	0.2	<0.05	4	0.9	<0.2
1444476	Soil	17	33	0.51	239	0.054	2	1.91	0.007	0.06	0.2	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
1532216	Soil	20	30	0.45	371	0.042	1	1.55	0.008	0.07	0.2	0.07	3.4	0.1	<0.05	5	<0.5	<0.2
1532215	Soil	23	30	0.38	393	0.037	<1	1.45	0.010	0.07	0.2	0.10	3.4	0.2	<0.05	5	<0.5	<0.2
1444486	Soil	17	64	0.79	766	0.115	2	2.34	0.012	0.23	0.1	0.04	6.2	0.2	0.07	7	0.7	<0.2
1532214	Soil	23	43	0.59	454	0.069	1	1.75	0.008	0.09	0.2	0.14	5.0	0.2	<0.05	6	<0.5	<0.2
1532222	Soil	15	32	0.50	195	0.061	1	1.86	0.010	0.09	0.2	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
1444487	Soil	17	33	0.52	773	0.049	1	1.65	0.009	0.06	0.2	0.07	5.7	0.1	<0.05	4	<0.5	<0.2



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Project: ERK

Report Date: August 31, 2017

Page: 12 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1532224	Soil	1.7	29.0	9.7	98	0.4	25.3	10.1	219	2.73	16.0	1.5	3.2	2.8	17	0.3	1.6	0.2	69	0.22	0.076
1444491	Soil	1.7	26.0	12.4	52	0.2	14.8	5.1	218	2.53	21.5	1.2	2.1	0.8	14	0.4	2.5	0.2	73	0.13	0.051
1444496	Soil	1.7	26.0	9.6	90	0.5	26.1	9.3	207	2.74	20.8	1.4	5.2	1.6	17	0.3	1.6	0.2	63	0.21	0.073
1444482	Soil	1.6	39.3	13.6	100	0.3	28.5	10.4	834	2.67	21.7	1.5	7.0	3.0	21	0.5	2.0	0.2	66	0.28	0.052
1444484	Soil	1.1	19.6	9.5	52	0.4	18.0	8.7	423	2.52	10.3	0.7	2.9	2.3	16	0.2	0.6	0.2	61	0.22	0.046
1444489	Soil	1.5	24.6	15.2	47	0.2	16.1	6.9	288	2.47	20.2	1.5	3.1	1.8	13	0.2	1.8	0.2	58	0.12	0.066
1444481	Soil	0.8	17.8	13.6	61	0.2	16.8	9.7	487	2.75	8.8	1.7	2.3	8.1	15	<0.1	0.6	0.2	56	0.17	0.036
1475430	Soil	3.6	54.2	14.7	131	0.6	18.7	8.3	382	3.22	21.8	2.6	15.0	6.1	21	0.5	2.3	0.2	90	0.13	0.097
1444493	Soil	2.5	47.5	13.8	36	0.2	8.8	3.1	135	1.92	48.3	2.2	3.0	3.6	15	0.2	5.3	0.3	53	0.04	0.050
1532218	Soil	1.1	22.8	14.0	72	0.1	16.2	7.1	335	2.43	13.7	2.0	2.2	4.4	13	0.2	1.5	0.2	42	0.13	0.057
1444478	Soil	1.1	16.6	11.7	55	0.1	18.8	8.2	353	2.65	10.6	1.2	6.2	5.3	15	0.2	0.7	0.2	55	0.16	0.035
1444485	Soil	2.1	69.6	6.8	133	0.3	48.5	12.8	394	3.87	12.0	1.5	4.0	4.7	22	0.3	1.1	0.1	133	0.24	0.080
1444488	Soil	0.9	22.9	9.3	52	<0.1	23.6	8.5	265	2.41	14.8	1.1	3.5	2.4	15	<0.1	1.0	0.2	50	0.20	0.058
1444479	Soil	0.8	23.5	13.0	63	0.2	20.0	11.7	750	2.64	9.4	1.6	3.1	7.7	17	0.2	0.8	0.2	49	0.19	0.049
1444477	Soil	0.8	21.3	10.8	56	<0.1	20.1	8.8	432	2.54	11.6	1.6	1.6	5.8	14	0.1	0.8	0.2	54	0.17	0.025
1444480	Soil	0.8	22.1	10.6	56	<0.1	20.3	8.1	327	2.38	8.4	1.7	2.8	7.7	19	0.1	0.7	0.1	48	0.20	0.025
1532217	Soil	1.5	26.4	12.4	79	0.3	21.9	9.6	432	2.52	17.3	2.1	2.7	2.4	18	0.4	1.1	0.2	56	0.20	0.068
1532225	Soil	1.7	28.0	9.4	92	0.4	26.1	9.9	236	2.73	15.0	1.4	1.5	2.6	16	0.3	1.6	0.2	66	0.21	0.078
1532220	Soil	1.1	17.8	12.1	61	<0.1	18.9	11.0	431	2.89	14.3	1.3	7.7	6.7	11	<0.1	1.3	0.2	53	0.12	0.036
1444492	Soil	1.2	18.8	10.7	52	<0.1	22.8	10.2	273	2.92	16.1	0.7	2.1	3.7	10	0.2	1.3	0.2	60	0.10	0.027



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Project: ERK

Report Date: August 31, 2017

Page: 12 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000528.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1532224	Soil	15	59	0.57	505	0.052	2	1.56	0.009	0.06	0.2	0.15	5.3	0.2	<0.05	5	0.7	<0.2
1444491	Soil	14	26	0.24	800	0.036	1	1.66	0.007	0.07	0.1	0.08	2.9	0.1	<0.05	7	<0.5	<0.2
1444496	Soil	13	61	0.44	605	0.040	2	1.43	0.009	0.06	0.1	0.21	5.3	0.2	<0.05	5	0.7	<0.2
1444482	Soil	17	37	0.47	717	0.047	2	1.43	0.011	0.07	0.1	0.09	4.9	0.2	<0.05	4	<0.5	<0.2
1444484	Soil	12	30	0.44	671	0.049	1	1.61	0.008	0.06	0.2	0.03	3.5	0.2	<0.05	5	<0.5	<0.2
1444489	Soil	13	29	0.36	355	0.039	<1	1.60	0.008	0.05	0.2	0.09	3.5	0.1	<0.05	5	<0.5	<0.2
1444481	Soil	21	31	0.51	322	0.063	1	1.72	0.007	0.09	0.2	0.02	4.0	0.2	<0.05	6	<0.5	<0.2
1475430	Soil	21	43	0.69	425	0.093	2	1.56	0.017	0.42	0.4	0.06	4.3	1.4	0.24	5	2.7	<0.2
1444493	Soil	14	24	0.13	331	0.012	1	0.74	0.003	0.05	<0.1	0.09	5.7	0.1	<0.05	3	1.6	<0.2
1532218	Soil	33	28	0.41	427	0.043	1	1.43	0.006	0.15	0.1	0.09	3.4	0.3	<0.05	5	<0.5	<0.2
1444478	Soil	17	33	0.48	286	0.046	1	1.86	0.008	0.05	0.2	0.03	3.7	0.1	<0.05	5	<0.5	<0.2
1444485	Soil	22	88	1.09	927	0.146	<1	2.47	0.016	0.34	0.2	0.03	6.7	0.3	0.15	7	1.5	<0.2
1444488	Soil	14	29	0.51	462	0.043	1	1.64	0.010	0.05	0.2	0.04	3.9	0.1	<0.05	4	<0.5	<0.2
1444479	Soil	31	30	0.46	353	0.061	2	1.56	0.009	0.09	0.2	0.06	4.9	0.2	<0.05	5	<0.5	<0.2
1444477	Soil	21	32	0.51	264	0.053	1	1.65	0.010	0.06	0.2	0.05	4.3	0.1	<0.05	5	<0.5	<0.2
1444480	Soil	28	29	0.46	326	0.053	1	1.42	0.008	0.06	0.3	0.04	4.8	0.1	<0.05	5	<0.5	<0.2
1532217	Soil	22	36	0.43	719	0.039	1	1.56	0.010	0.07	0.2	0.11	4.2	0.2	<0.05	5	0.6	<0.2
1532225	Soil	14	61	0.55	511	0.048	1	1.54	0.011	0.06	0.2	0.14	5.3	0.2	<0.05	5	0.7	<0.2
1532220	Soil	22	37	0.47	230	0.058	<1	1.70	0.008	0.08	0.2	0.05	4.1	0.2	<0.05	5	<0.5	<0.2
1444492	Soil	11	32	0.45	258	0.049	2	2.07	0.008	0.05	0.2	0.05	3.5	<0.1	<0.05	5	<0.5	<0.2



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Project: ERK
Report Date: August 31, 2017

Page: 1 of 2

Part: 1 of 2

QUALITY CONTROL REPORT

WHI17000528.1

Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1533005	Soil	0.8	28.9	9.9	60	<0.1	25.3	9.9	355	2.70	32.3	1.3	1.9	5.6	17	<0.1	1.1	0.2	55	0.17	0.037
REP 1533005	QC	0.9	29.3	9.6	59	<0.1	23.5	9.5	344	2.63	31.9	1.3	2.5	5.3	16	<0.1	1.0	0.2	52	0.16	0.037
1533090	Soil	1.5	24.6	10.8	90	0.1	27.6	11.5	542	2.78	9.9	1.4	3.3	8.4	19	0.3	0.6	0.2	49	0.25	0.069
REP 1533090	QC	1.4	25.7	10.8	94	0.1	27.6	12.0	537	2.88	9.5	1.3	3.1	8.2	19	0.2	0.6	0.2	51	0.24	0.066
1533125	Soil	1.7	31.4	10.2	77	0.1	25.4	9.5	315	2.65	13.8	1.2	3.5	5.0	13	0.2	0.9	0.2	52	0.14	0.035
REP 1533125	QC	1.8	31.4	10.3	72	0.1	25.3	9.3	331	2.68	14.0	1.3	1.8	5.2	14	0.2	0.9	0.2	52	0.15	0.035
1533080	Soil	0.8	17.5	6.4	42	0.3	12.7	3.3	76	1.38	19.5	0.9	4.4	0.7	14	0.3	0.8	0.1	28	0.14	0.048
REP 1533080	QC	0.8	17.7	6.3	43	0.3	12.9	3.3	75	1.35	19.1	0.9	2.9	0.8	14	0.2	0.7	0.1	28	0.14	0.049
1471726	Soil	1.3	19.7	15.0	81	0.3	19.0	8.6	222	2.66	7.7	1.5	4.1	11.9	18	0.2	0.6	0.3	50	0.30	0.067
REP 1471726	QC	1.3	19.8	14.8	79	0.3	19.2	8.4	225	2.69	8.2	1.4	6.2	11.3	18	0.2	0.6	0.3	49	0.31	0.068
1475185	Soil	1.5	16.5	11.5	74	0.4	15.3	5.9	173	2.44	20.6	1.6	1.2	2.3	15	0.1	0.5	0.2	52	0.17	0.053
REP 1475185	QC	1.5	16.9	11.4	72	0.4	15.5	6.0	179	2.40	20.5	1.5	14.3	2.2	15	0.2	0.5	0.2	52	0.17	0.053
1475178	Soil	1.5	15.7	11.2	60	0.1	15.4	11.4	565	2.97	76.2	0.9	2.5	2.5	19	0.1	2.1	0.2	63	0.21	0.067
REP 1475178	QC	1.8	15.8	11.1	60	0.1	14.7	11.1	540	2.93	74.6	0.9	2.9	2.5	20	<0.1	2.1	0.2	60	0.21	0.069
1533801	Soil	1.1	46.0	11.3	66	0.4	22.5	5.6	143	2.20	10.1	2.0	3.9	1.6	15	0.5	1.3	0.2	55	0.18	0.065
REP 1533801	QC	1.1	47.1	11.1	67	0.3	22.1	5.5	136	2.26	9.7	2.0	2.3	1.5	16	0.6	1.2	0.2	53	0.19	0.065
1444477	Soil	0.8	21.3	10.8	56	<0.1	20.1	8.8	432	2.54	11.6	1.6	1.6	5.8	14	0.1	0.8	0.2	54	0.17	0.025
REP 1444477	QC	0.9	22.4	10.7	58	<0.1	19.5	9.1	416	2.59	12.1	1.6	2.9	6.0	15	0.1	0.8	0.2	55	0.17	0.027
Reference Materials																					
STD DS11	Standard	14.0	140.0	135.3	323	1.7	72.6	13.0	957	3.01	42.0	2.7	68.0	7.7	69	2.4	9.2	12.2	45	1.11	0.066
STD DS11	Standard	14.2	152.7	138.3	346	1.6	81.7	14.7	1022	3.13	42.1	2.7	71.7	7.4	61	2.3	8.2	12.1	53	1.01	0.070
STD DS11	Standard	13.8	159.9	137.9	343	1.6	79.3	14.1	988	3.05	41.6	2.5	106.7	7.5	60	2.1	8.7	11.3	52	0.98	0.061
STD DS11	Standard	14.1	148.6	132.6	347	1.7	79.1	13.4	1089	3.22	41.1	2.6	91.0	7.9	69	2.4	8.8	11.1	54	1.04	0.070
STD DS11	Standard	14.3	152.4	133.7	327	1.7	78.5	13.8	1069	3.13	40.9	2.5	72.9	7.5	64	2.0	8.7	10.8	52	1.01	0.070
STD DS11	Standard	13.6	143.6	130.7	321	1.6	74.8	13.0	983	2.93	39.7	2.4	81.9	7.1	59	2.1	8.5	10.7	50	0.98	0.064
STD DS11	Standard	13.9	146.8	134.5	335	1.7	75.2	13.8	1042	3.25	40.5	2.5	59.5	7.4	66	2.2	8.7	11.0	52	1.03	0.071
STD DS11	Standard	14.0	148.2	136.5	334	1.6	74.2	13.2	1050	3.09	40.9	2.6	66.3	7.4	63	2.2	8.6	11.0	51	1.02	0.070
STD DS11	Standard	14.2	146.1	137.2	332	1.7	74.0	13.4	1008	3.00	42.6	2.7	68.9	8.0	71	2.4	9.7	11.7	47	1.08	0.070



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Project: ERK
Report Date: August 31, 2017

Page: 1 of 2

Part: 2 of 2

QUALITY CONTROL REPORT

WHI17000528.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1533005	Soil	23	34	0.53	251	0.064	1	1.61	0.009	0.07	0.2	0.16	6.4	0.2	<0.05	5	<0.5	<0.2
REP 1533005	QC	23	32	0.49	247	0.064	<1	1.53	0.008	0.07	0.2	0.15	6.2	0.2	0.06	5	<0.5	<0.2
1533090	Soil	36	31	0.55	334	0.099	<1	1.70	0.009	0.18	0.2	0.04	4.4	0.2	<0.05	5	<0.5	<0.2
REP 1533090	QC	36	31	0.56	330	0.097	<1	1.57	0.009	0.19	0.2	0.03	4.3	0.2	<0.05	5	<0.5	<0.2
1533125	Soil	17	30	0.47	216	0.053	1	1.32	0.008	0.05	0.2	0.03	4.3	0.2	0.08	4	<0.5	<0.2
REP 1533125	QC	17	30	0.47	218	0.056	<1	1.31	0.008	0.05	0.2	0.03	4.3	0.2	<0.05	4	<0.5	<0.2
1533080	Soil	11	21	0.23	177	0.035	<1	0.90	0.006	0.05	0.1	0.26	2.3	0.6	<0.05	4	0.7	<0.2
REP 1533080	QC	11	21	0.24	179	0.036	<1	0.89	0.007	0.05	0.2	0.25	2.2	0.5	<0.05	4	0.9	<0.2
1471726	Soil	41	30	0.52	231	0.087	2	1.48	0.010	0.16	0.2	0.06	4.3	0.2	<0.05	5	0.6	<0.2
REP 1471726	QC	39	29	0.54	232	0.085	2	1.54	0.009	0.15	0.2	0.06	4.6	0.2	<0.05	5	<0.5	<0.2
1475185	Soil	19	29	0.51	136	0.066	1	1.35	0.010	0.11	0.2	0.18	3.1	0.3	<0.05	5	<0.5	<0.2
REP 1475185	QC	19	29	0.47	133	0.067	<1	1.37	0.007	0.11	0.2	0.18	3.1	0.3	<0.05	5	<0.5	<0.2
1475178	Soil	15	30	0.41	157	0.055	2	1.33	0.010	0.07	0.2	0.32	3.3	0.2	<0.05	5	<0.5	<0.2
REP 1475178	QC	14	31	0.40	153	0.053	2	1.31	0.010	0.07	0.2	0.32	3.3	0.2	<0.05	5	<0.5	<0.2
1533801	Soil	26	34	0.48	198	0.064	2	1.47	0.010	0.08	0.2	0.08	3.3	0.3	<0.05	5	0.7	<0.2
REP 1533801	QC	26	33	0.45	198	0.063	2	1.39	0.009	0.08	0.2	0.09	3.2	0.3	<0.05	5	0.6	<0.2
1444477	Soil	21	32	0.51	264	0.053	1	1.65	0.010	0.06	0.2	0.05	4.3	0.1	<0.05	5	<0.5	<0.2
REP 1444477	QC	21	32	0.51	275	0.050	1	1.66	0.010	0.05	0.2	0.04	4.4	0.1	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS11	Standard	19	55	0.82	350	0.094	6	1.04	0.074	0.40	3.1	0.26	3.8	4.8	0.29	5	2.2	4.6
STD DS11	Standard	18	62	0.82	383	0.093	9	1.09	0.075	0.36	3.2	0.26	3.5	4.9	0.32	5	2.2	4.7
STD DS11	Standard	18	59	0.81	363	0.090	6	1.05	0.065	0.35	3.2	0.25	3.5	4.7	0.32	5	1.7	4.4
STD DS11	Standard	19	60	0.85	374	0.098	8	1.18	0.073	0.39	3.2	0.24	3.5	4.7	0.28	5	2.0	4.7
STD DS11	Standard	18	59	0.82	364	0.093	7	1.13	0.067	0.38	3.1	0.29	3.1	4.8	0.27	5	2.3	4.8
STD DS11	Standard	18	57	0.78	365	0.087	7	1.06	0.067	0.36	2.9	0.25	3.1	4.8	0.25	5	2.1	4.4
STD DS11	Standard	19	61	0.84	369	0.097	7	1.13	0.077	0.41	3.2	0.28	3.4	4.6	0.26	5	2.2	4.4
STD DS11	Standard	18	59	0.79	365	0.091	8	1.08	0.068	0.39	3.1	0.27	3.5	4.9	0.28	5	2.3	4.6
STD DS11	Standard	19	58	0.80	356	0.092	6	1.08	0.067	0.39	3.0	0.24	3.3	5.1	0.29	5	2.5	4.8



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Report Date: August 31, 2017

Page: 2 of 2

Part: 1 of 2

QUALITY CONTROL REPORT

WHI17000528.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD OXC129	Standard	1.2	26.5	6.8	38	<0.1	75.7	19.5	407	2.88	0.7	0.7	193.6	2.0	183	<0.1	<0.1	<0.1	50	0.69	0.105
STD OXC129	Standard	1.2	28.8	6.7	43	<0.1	82.5	22.1	435	3.17	0.9	0.7	186.6	1.8	186	<0.1	<0.1	<0.1	57	0.69	0.100
STD OXC129	Standard	1.3	29.8	6.7	45	<0.1	82.9	21.5	422	3.10	0.8	0.7	190.6	1.9	179	<0.1	<0.1	<0.1	57	0.64	0.092
STD OXC129	Standard	1.2	26.9	6.1	40	<0.1	76.8	19.2	394	3.04	0.9	0.7	208.0	1.8	192	<0.1	<0.1	<0.1	53	0.71	0.099
STD OXC129	Standard	1.2	26.9	6.3	40	<0.1	78.8	20.3	421	3.04	<0.5	0.7	191.2	1.8	191	<0.1	<0.1	<0.1	52	0.73	0.101
STD OXC129	Standard	1.2	27.6	6.1	41	<0.1	77.3	20.2	409	3.02	0.5	0.7	190.8	1.8	180	<0.1	<0.1	<0.1	51	0.65	0.089
STD OXC129	Standard	1.1	27.7	6.5	41	<0.1	77.2	20.5	416	3.04	0.7	0.7	186.3	1.7	194	<0.1	<0.1	<0.1	55	0.75	0.100
STD OXC129	Standard	1.2	27.0	6.4	40	<0.1	74.8	19.8	413	3.02	<0.5	0.7	185.2	1.8	186	<0.1	<0.1	<0.1	52	0.69	0.108
STD OXC129	Standard	1.2	26.6	6.5	41	<0.1	75.9	20.3	416	2.98	0.7	0.7	189.5	1.9	188	<0.1	<0.1	<0.1	48	0.70	0.103
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	0.72	195	1.9					51	0.665	0.102
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: ERK
Report Date: August 31, 2017

Page: 2 of 2

Part: 2 of 2

QUALITY CONTROL REPORT

WHI17000528.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD OXC129	Standard	13	50	1.51	49	0.395	<1	1.61	0.597	0.36	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	13	55	1.52	49	0.420	1	1.59	0.596	0.37	<0.1	<0.01	1.7	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	53	1.48	47	0.407	2	1.45	0.578	0.34	<0.1	<0.01	1.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	12	53	1.42	47	0.406	1	1.51	0.556	0.33	<0.1	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	53	1.54	49	0.400	1	1.58	0.594	0.35	<0.1	<0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	50	1.50	47	0.380	2	1.48	0.581	0.34	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	54	1.44	50	0.401	1	1.53	0.572	0.37	<0.1	<0.01	1.5	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	12	51	1.49	49	0.377	<1	1.52	0.599	0.37	<0.1	<0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	13	49	1.46	48	0.374	<1	1.47	0.575	0.36	<0.1	<0.01	1.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



BUREAU VERITAS MINERAL LABORATORIES
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Client: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6 Canada

Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: August 09, 2017
Report Date: September 02, 2017
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI17000529.1

CLIENT JOB INFORMATION

Project: ERK
Shipment ID: ERK-20170806-001-SOIL
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

Invoice To: Ground Truth Exploration Inc.
Box 70
Dawson Yukon Y0B 1G0
Canada

CC: Isaac Fage
Jodie Gibson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	320	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS


JEFFREY CANNON
Geochemistry Department Supervisor

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



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Project: ERK
Report Date: September 02, 2017

Page: 2 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1475433	Soil	2.2	34.2	8.1	127	0.3	30.8	12.0	302	3.21	25.0	1.5	14.0	4.0	22	0.4	2.1	0.2	78	0.33	0.098
1475429	Soil	2.2	43.1	17.0	77	0.7	17.4	7.4	279	2.57	20.1	2.5	5.5	2.5	16	0.4	1.8	0.3	63	0.12	0.089
1475416	Soil	1.8	30.8	16.6	67	0.2	18.9	7.3	256	2.59	23.0	1.4	7.1	1.7	15	0.2	1.8	0.2	57	0.13	0.057
1475413	Soil	1.4	29.1	13.8	68	0.1	21.6	8.6	275	2.77	22.5	1.3	5.1	3.1	14	0.2	1.9	0.2	60	0.14	0.048
1475432	Soil	3.1	47.7	10.1	157	0.7	34.7	19.9	598	4.60	45.8	2.2	6.2	2.4	17	0.5	3.2	0.2	103	0.24	0.088
1475428	Soil	1.8	48.0	14.1	88	0.4	21.7	10.6	375	2.91	20.2	2.6	4.7	5.0	16	0.4	2.1	0.2	69	0.14	0.072
1475409	Soil	2.0	46.3	10.2	102	0.2	28.1	7.3	209	3.02	17.6	1.4	5.1	1.5	17	0.4	1.4	0.2	86	0.11	0.062
1475414	Soil	1.8	32.8	13.4	66	0.2	19.7	7.1	253	2.72	19.7	1.6	4.1	3.0	16	0.1	1.5	0.2	57	0.14	0.053
1475427	Soil	2.3	76.0	14.1	102	0.5	16.6	6.1	198	2.84	16.9	3.3	7.6	9.4	18	0.4	1.3	0.2	68	0.14	0.089
1475411	Soil	2.0	33.8	11.2	75	0.2	24.1	8.0	241	2.58	45.7	1.3	6.8	3.4	17	0.3	3.7	0.2	58	0.15	0.058
1475410	Soil	1.8	37.1	10.9	72	0.2	23.9	9.1	298	2.79	21.8	1.2	4.9	2.4	18	0.4	1.5	0.2	65	0.18	0.066
1475423	Soil	1.5	37.3	15.0	60	0.2	21.7	8.4	250	2.88	26.4	1.5	9.5	4.6	13	0.2	2.9	0.3	57	0.12	0.050
1475431	Soil	2.9	41.9	14.5	114	0.7	17.9	5.3	171	2.97	18.5	2.1	7.2	4.1	20	0.3	1.6	0.3	83	0.12	0.086
1475415	Soil	1.6	29.9	12.6	66	0.2	21.1	7.6	279	2.63	29.8	1.5	3.1	2.4	16	0.3	2.6	0.2	54	0.16	0.051
1475412	Soil	1.5	34.9	13.4	67	0.1	24.5	9.6	330	2.75	18.4	1.1	5.1	4.8	16	0.2	1.5	0.2	59	0.15	0.035
1475424	Soil	2.0	22.9	11.8	51	0.2	20.1	8.7	248	2.77	22.4	0.9	3.3	3.1	13	0.2	1.6	0.2	64	0.11	0.040
1475417	Soil	1.5	29.3	11.7	69	0.2	19.0	7.9	307	2.76	21.0	1.4	6.8	3.2	14	0.1	1.8	0.2	56	0.15	0.055
1475418	Soil	1.9	27.1	13.6	64	0.2	18.5	9.7	381	2.89	22.0	1.5	4.4	2.5	14	<0.1	1.6	0.2	59	0.12	0.057
1475419	Soil	2.6	35.8	15.2	73	0.4	19.5	8.1	351	3.00	55.0	2.0	7.0	3.6	14	0.2	5.7	0.2	64	0.10	0.061
1475420	Soil	1.8	32.7	13.3	67	0.3	21.5	8.5	327	2.77	25.1	1.5	6.4	2.1	14	0.2	1.8	0.2	58	0.14	0.056
1475421	Soil	1.2	27.7	10.7	62	0.3	21.0	7.1	224	2.45	14.9	1.4	5.4	2.1	16	0.1	1.0	0.2	53	0.15	0.050
1475426	Soil	4.5	62.2	15.6	79	1.3	20.9	7.9	259	2.83	37.8	3.6	18.1	4.3	31	0.5	3.4	0.2	75	0.15	0.116
1475404	Soil	2.8	80.1	11.2	102	0.6	25.4	10.0	227	3.22	75.0	2.8	6.7	4.4	20	0.6	4.8	0.2	94	0.10	0.072
1475408	Soil	3.2	49.7	11.4	81	0.6	20.9	11.7	440	2.85	80.4	2.1	7.9	3.3	18	0.5	4.0	0.2	76	0.16	0.076
1475425	Soil	2.0	23.5	12.0	53	0.2	21.2	9.3	274	2.92	23.0	0.9	3.2	3.4	13	0.2	1.6	0.2	61	0.11	0.040
1475402	Soil	3.1	49.3	12.3	158	0.3	36.0	11.9	518	3.45	105.9	2.9	4.0	9.0	21	0.8	5.5	0.1	67	0.25	0.093
1475403	Soil	3.5	54.0	13.9	94	0.7	19.9	6.2	169	2.71	26.8	2.7	9.1	4.5	21	0.6	1.6	0.2	82	0.15	0.078
1475406	Soil	1.6	41.2	9.4	87	0.3	28.5	13.0	300	3.29	12.8	1.4	3.2	3.6	14	0.3	1.0	0.2	82	0.13	0.049
1475422	Soil	0.9	31.9	10.3	63	0.1	21.7	8.0	259	2.46	15.6	1.3	3.7	3.8	15	<0.1	1.4	0.1	52	0.16	0.047
1475407	Soil	3.0	77.3	12.9	91	0.7	23.8	9.5	202	2.79	49.5	2.9	10.5	2.6	20	0.5	2.7	0.2	71	0.12	0.075

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Project: ERK
Report Date: September 02, 2017

Page: 2 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method Analyte	Unit	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
MDL		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1475433	Soil	16	40	0.72	431	0.084	2	1.29	0.014	0.24	0.3	0.16	5.6	0.5	<0.05	4	1.2	<0.2
1475429	Soil	19	34	0.46	264	0.059	2	1.35	0.008	0.23	0.7	0.13	3.7	0.5	0.07	5	1.2	<0.2
1475416	Soil	16	31	0.51	175	0.058	2	1.49	0.007	0.14	0.2	0.10	2.7	0.3	<0.05	5	0.6	<0.2
1475413	Soil	15	33	0.48	206	0.051	2	1.59	0.007	0.07	0.2	0.11	4.5	0.2	<0.05	5	<0.5	<0.2
1475432	Soil	17	40	0.71	368	0.057	3	1.60	0.010	0.14	0.2	0.16	9.0	0.7	<0.05	6	1.3	<0.2
1475428	Soil	19	35	0.53	258	0.073	2	1.45	0.007	0.25	0.4	0.13	4.6	0.5	<0.05	5	0.7	<0.2
1475409	Soil	13	35	0.57	250	0.071	1	1.56	0.008	0.17	0.1	0.05	3.6	0.3	0.06	6	1.0	<0.2
1475414	Soil	17	32	0.50	216	0.060	1	1.42	0.007	0.14	0.2	0.06	3.4	0.3	<0.05	5	0.6	<0.2
1475427	Soil	36	45	0.80	291	0.103	<1	1.69	0.010	0.58	0.2	0.07	4.6	0.8	0.14	6	1.3	<0.2
1475411	Soil	14	28	0.44	224	0.047	1	1.21	0.007	0.08	0.4	0.09	3.9	0.3	<0.05	4	0.7	<0.2
1475410	Soil	14	34	0.51	268	0.048	1	1.73	0.007	0.09	0.2	0.10	4.2	0.2	<0.05	5	0.7	<0.2
1475423	Soil	19	30	0.43	206	0.042	1	1.59	0.006	0.10	0.2	0.11	4.1	0.3	<0.05	4	0.7	<0.2
1475431	Soil	21	42	0.70	424	0.089	1	1.63	0.010	0.31	0.6	0.11	3.8	0.9	0.06	6	1.7	<0.2
1475415	Soil	17	29	0.42	240	0.048	<1	1.27	0.007	0.06	0.2	0.16	3.6	0.3	<0.05	4	0.6	<0.2
1475412	Soil	16	35	0.55	207	0.066	2	1.65	0.008	0.08	0.2	0.06	4.9	0.2	<0.05	5	<0.5	<0.2
1475424	Soil	11	29	0.37	199	0.050	1	1.57	0.006	0.07	0.2	0.06	3.1	0.3	<0.05	5	0.8	<0.2
1475417	Soil	18	33	0.56	196	0.070	<1	1.51	0.007	0.12	0.2	0.13	3.4	0.3	<0.05	5	<0.5	<0.2
1475418	Soil	17	31	0.48	163	0.055	<1	1.66	0.007	0.10	0.2	0.11	3.2	0.3	<0.05	6	<0.5	<0.2
1475419	Soil	18	31	0.39	215	0.046	<1	1.32	0.006	0.09	0.2	0.22	4.3	0.7	<0.05	4	0.9	<0.2
1475420	Soil	17	32	0.49	205	0.049	<1	1.53	0.007	0.09	0.2	0.07	3.5	0.3	<0.05	5	0.7	<0.2
1475421	Soil	16	30	0.47	196	0.048	2	1.48	0.008	0.08	0.2	0.07	3.4	0.2	<0.05	4	<0.5	<0.2
1475426	Soil	23	32	0.40	314	0.042	<1	1.30	0.008	0.13	0.2	0.18	6.2	0.6	0.07	4	2.5	<0.2
1475404	Soil	19	46	0.54	462	0.051	2	1.62	0.006	0.25	0.2	0.26	8.4	0.5	<0.05	5	1.9	<0.2
1475408	Soil	15	34	0.43	238	0.048	1	1.49	0.008	0.10	0.2	0.23	5.1	0.6	<0.05	5	1.5	<0.2
1475425	Soil	11	32	0.42	191	0.051	1	1.72	0.007	0.07	0.2	0.06	3.3	0.2	<0.05	5	0.5	<0.2
1475402	Soil	21	32	0.43	245	0.048	<1	1.29	0.007	0.22	0.2	0.28	8.3	2.0	<0.05	4	1.1	<0.2
1475403	Soil	18	38	0.49	293	0.066	<1	1.41	0.010	0.23	0.3	0.23	5.1	0.5	0.06	5	1.6	<0.2
1475406	Soil	14	38	0.67	316	0.071	<1	1.86	0.009	0.17	0.2	0.06	4.8	0.3	<0.05	5	1.1	<0.2
1475422	Soil	17	29	0.47	217	0.051	<1	1.31	0.007	0.08	0.2	0.05	3.9	0.2	<0.05	4	<0.5	<0.2
1475407	Soil	20	35	0.35	262	0.037	1	1.37	0.006	0.10	0.2	0.35	6.5	0.3	<0.05	4	1.3	<0.2

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Project: ERK

Report Date: September 02, 2017

Page: 3 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	0.1	1	0.1	0.1	2	0.01	0.001
1475405	Soil	1.0	35.5	6.7	132	0.2	36.5	18.0	371	3.33	22.1	1.0	2.2	2.3	13	0.5	1.1	0.1	84	0.16	0.045
1475401	Soil	4.0	42.4	11.2	114	0.7	26.2	9.4	316	3.08	148.8	2.3	10.8	3.2	21	0.8	8.2	0.2	74	0.20	0.127
1534378	Soil	1.2	19.5	10.2	62	0.2	17.1	6.7	152	2.26	19.2	1.1	4.6	2.0	16	0.2	1.8	0.2	53	0.20	0.067
1534388	Soil	1.0	17.3	9.0	66	0.2	17.4	9.6	312	2.37	11.4	1.1	3.6	3.0	15	0.2	0.9	0.3	50	0.21	0.066
1534376	Soil	1.4	28.5	9.5	79	0.2	21.9	9.3	248	2.52	12.1	1.3	2.5	3.0	21	0.2	1.4	0.2	52	0.22	0.067
1533969	Soil	1.4	35.8	8.9	95	0.1	38.2	14.4	479	3.52	11.1	1.5	2.8	8.6	17	0.2	0.4	0.2	71	0.29	0.107
1534382	Soil	3.7	86.4	17.1	123	1.7	40.8	10.0	355	4.66	21.4	8.3	4.0	11.8	49	2.0	2.2	0.4	89	0.18	0.487
1533968	Soil	1.3	22.2	10.3	90	0.1	25.4	10.1	335	3.05	11.6	0.9	5.6	5.7	19	0.3	1.0	0.2	61	0.29	0.098
1534389	Soil	1.3	19.4	10.6	95	0.1	33.4	13.8	567	3.56	16.2	1.0	3.0	7.3	18	0.3	0.7	0.2	63	0.32	0.098
1533970	Soil	1.7	56.1	11.5	141	0.1	53.0	16.1	653	4.34	16.9	2.3	3.2	15.2	25	0.4	0.4	0.2	92	0.46	0.133
1534390	Soil	1.3	28.7	10.5	73	0.2	33.7	10.6	302	2.82	19.5	1.3	10.9	3.6	16	0.3	1.0	0.2	54	0.20	0.067
1533974	Soil	1.4	24.9	10.1	74	0.1	21.5	9.5	273	2.42	11.1	1.0	1.8	3.3	17	0.2	1.0	0.2	47	0.19	0.058
1534377	Soil	2.1	31.3	12.2	91	0.2	23.0	13.4	390	2.90	18.3	1.6	3.2	4.3	20	0.4	2.3	0.2	59	0.20	0.072
1534392	Soil	1.0	14.2	8.6	58	0.2	15.0	8.0	193	2.00	12.9	0.8	4.1	1.1	17	0.2	1.0	0.1	42	0.19	0.064
1534381	Soil	1.4	20.8	8.9	76	0.2	19.5	8.7	184	2.52	14.5	1.0	12.6	3.9	18	0.2	1.5	0.2	51	0.23	0.089
1534398	Soil	2.2	31.0	12.7	103	0.8	47.6	15.9	478	2.95	25.3	2.2	10.2	1.8	24	0.5	1.6	0.2	61	0.23	0.096
1534385	Soil	1.3	21.7	9.9	76	0.2	20.6	9.3	281	2.81	10.7	1.3	5.9	8.1	17	0.2	0.7	0.2	55	0.25	0.075
1534394	Soil	0.9	11.4	8.2	48	0.2	11.9	4.1	94	1.64	11.0	0.8	4.9	0.9	15	0.2	0.7	0.1	36	0.16	0.056
1532290	Soil	1.2	22.5	10.5	74	0.1	22.1	8.8	298	2.53	9.0	1.1	2.8	5.6	19	0.2	0.6	0.2	51	0.26	0.070
1534387	Soil	1.1	24.2	11.5	77	0.2	21.1	9.0	205	2.73	14.7	1.4	3.5	3.9	15	0.2	1.0	0.2	54	0.18	0.062
1533971	Soil	1.4	25.5	11.2	67	0.2	22.5	9.3	278	2.62	13.4	1.3	4.7	5.0	14	0.3	0.8	0.2	51	0.15	0.051
1534384	Soil	2.3	33.0	11.6	88	0.8	21.6	7.9	170	3.08	27.5	2.5	4.4	1.7	20	0.5	1.5	0.2	64	0.18	0.107
1533975	Soil	1.3	27.3	10.2	70	0.2	21.1	9.1	215	2.35	11.3	1.1	3.3	2.9	18	0.2	1.1	0.2	50	0.18	0.057
1534396	Soil	1.2	16.3	9.4	65	0.2	20.1	8.1	211	2.37	14.6	1.0	6.5	1.9	16	0.2	1.3	0.2	47	0.21	0.066
1534380	Soil	1.3	20.9	10.0	67	0.2	16.2	6.3	139	2.30	21.0	1.3	2.4	1.4	15	0.2	1.5	0.2	49	0.18	0.071
1534391	Soil	1.2	28.6	11.3	81	0.2	22.8	9.2	236	2.66	14.7	1.5	2.3	2.5	18	0.3	1.3	0.2	55	0.20	0.065
1534386	Soil	1.2	23.2	10.6	79	0.2	22.7	10.0	313	2.76	12.6	1.4	3.1	6.1	15	0.2	0.7	0.2	54	0.20	0.068
1533972	Soil	1.4	36.7	9.1	102	0.1	34.2	10.8	438	3.25	41.1	1.4	3.9	8.8	17	0.4	1.0	0.2	47	0.23	0.068
1534395	Soil	0.8	12.5	8.1	50	0.2	13.2	4.7	99	1.71	12.7	0.9	2.8	1.1	15	0.2	0.8	0.1	33	0.17	0.058
1534383	Soil	2.7	46.8	14.0	79	0.7	25.1	10.4	380	3.15	26.5	3.4	4.2	1.0	15	0.4	2.4	0.4	55	0.09	0.107



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Report Date: September 02, 2017

Page: 3 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
1475405	Soil	10	32	0.62	278	0.070	<1	1.75	0.010	0.10	0.1	0.13	6.8	0.2	<0.05	5	<0.5	<0.2
1475401	Soil	18	33	0.37	328	0.040	1	1.18	0.008	0.07	0.4	0.85	5.2	1.2	<0.05	4	1.2	<0.2
1534378	Soil	14	25	0.39	315	0.032	<1	1.30	0.008	0.04	0.2	0.23	3.1	0.2	<0.05	4	<0.5	<0.2
1534388	Soil	17	27	0.42	241	0.049	<1	1.33	0.008	0.08	0.4	0.07	3.0	0.2	<0.05	4	<0.5	<0.2
1534376	Soil	17	29	0.44	458	0.041	<1	1.35	0.009	0.05	0.2	0.11	4.1	0.2	<0.05	4	<0.5	<0.2
1533969	Soil	30	48	0.84	395	0.149	<1	1.86	0.007	0.58	0.1	0.01	4.5	0.4	<0.05	7	<0.5	<0.2
1534382	Soil	66	60	0.33	2299	0.071	7	4.30	0.091	0.38	0.1	0.03	20.6	0.5	<0.05	10	1.4	<0.2
1533968	Soil	20	39	0.61	178	0.089	2	1.36	0.009	0.26	0.6	0.05	3.9	0.2	<0.05	5	<0.5	<0.2
1534389	Soil	18	52	0.89	331	0.121	1	1.86	0.007	0.49	0.3	0.04	4.6	0.4	<0.05	7	<0.5	<0.2
1533970	Soil	46	75	1.36	685	0.201	<1	2.27	0.009	0.93	0.1	0.01	6.9	0.7	<0.05	8	0.6	<0.2
1534390	Soil	18	44	0.50	281	0.049	1	1.47	0.007	0.09	0.2	0.08	3.7	0.2	<0.05	4	<0.5	<0.2
1533974	Soil	16	26	0.43	313	0.047	1	1.30	0.007	0.10	0.2	0.09	3.2	0.2	<0.05	4	<0.5	<0.2
1534377	Soil	18	31	0.45	440	0.041	1	1.42	0.009	0.06	0.2	0.15	4.5	0.2	<0.05	4	1.0	<0.2
1534392	Soil	11	22	0.35	316	0.029	2	1.15	0.007	0.04	0.2	0.15	2.5	0.2	<0.05	4	<0.5	<0.2
1534381	Soil	17	25	0.41	414	0.057	1	1.08	0.008	0.08	0.3	0.17	3.4	0.2	<0.05	4	<0.5	<0.2
1534398	Soil	21	66	0.41	1232	0.027	2	1.76	0.008	0.08	0.1	0.61	5.1	0.5	<0.05	5	0.6	<0.2
1534385	Soil	28	35	0.57	237	0.093	1	1.48	0.008	0.19	0.3	0.06	3.7	0.2	<0.05	5	<0.5	<0.2
1534394	Soil	12	20	0.29	363	0.030	1	0.96	0.007	0.04	0.3	0.18	2.2	0.2	<0.05	4	<0.5	<0.2
1532290	Soil	26	29	0.44	273	0.069	1	1.32	0.009	0.11	0.3	0.04	3.8	0.1	<0.05	4	<0.5	<0.2
1534387	Soil	18	32	0.50	260	0.052	1	1.60	0.007	0.09	0.2	0.06	3.7	0.2	<0.05	5	<0.5	<0.2
1533971	Soil	19	30	0.40	289	0.054	1	1.50	0.007	0.10	0.2	0.06	3.9	0.2	<0.05	5	<0.5	<0.2
1534384	Soil	21	33	0.35	967	0.025	1	1.76	0.007	0.07	0.1	0.51	4.7	0.3	<0.05	5	0.9	<0.2
1533975	Soil	16	27	0.37	367	0.040	2	1.39	0.007	0.05	0.2	0.08	3.9	0.1	<0.05	4	0.5	<0.2
1534396	Soil	14	27	0.37	434	0.032	1	1.16	0.007	0.04	0.3	0.21	3.1	0.2	<0.05	4	<0.5	<0.2
1534380	Soil	16	25	0.37	376	0.037	1	1.20	0.007	0.05	0.2	0.22	3.1	0.2	<0.05	4	<0.5	<0.2
1534391	Soil	19	29	0.43	404	0.037	1	1.44	0.007	0.07	0.2	0.12	3.8	0.2	<0.05	5	<0.5	<0.2
1534386	Soil	26	36	0.54	276	0.078	<1	1.53	0.007	0.14	0.2	0.05	3.8	0.2	<0.05	5	<0.5	<0.2
1533972	Soil	22	30	0.52	311	0.085	1	1.26	0.008	0.27	0.2	0.03	4.7	0.3	<0.05	4	<0.5	<0.2
1534395	Soil	13	19	0.30	435	0.030	1	1.03	0.008	0.04	0.3	0.21	2.4	0.3	<0.05	4	<0.5	<0.2
1534383	Soil	31	38	0.34	671	0.020	2	1.82	0.005	0.10	0.1	0.24	3.4	0.5	<0.05	6	1.1	<0.2

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Report Date: September 02, 2017

Page: 4 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method Analyte	Unit	MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			0.1	0.1	0.1	1	0.1	0.1	0.1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
1533973	Soil		1.5	34.1	9.1	89	0.1	24.9	10.4	334	2.71	15.6	1.3	5.0	5.9	16	0.2	1.2	0.3	45	0.17	0.054
1534379	Soil		1.0	17.0	9.3	53	0.2	14.8	5.3	110	1.96	15.0	1.0	5.5	1.3	16	0.2	1.1	0.2	42	0.21	0.067
1534397	Soil		1.2	17.3	9.5	67	0.4	41.2	7.1	131	2.25	16.4	1.2	3.6	1.1	15	0.3	1.0	0.2	48	0.17	0.072
1534393	Soil		1.1	17.0	10.4	70	0.2	17.4	7.3	159	2.61	17.0	1.0	2.2	1.8	16	0.2	1.3	0.2	50	0.19	0.063
1532289	Soil		1.7	25.3	14.4	78	0.2	22.9	9.2	315	2.86	9.8	1.4	5.6	9.5	22	0.2	0.8	0.3	54	0.30	0.063
1532277	Soil		1.5	23.9	10.7	67	0.2	20.3	9.5	499	2.78	9.1	1.3	3.1	8.1	15	0.1	0.6	0.2	54	0.16	0.041
1532288	Soil		1.0	18.7	13.8	60	<0.1	17.0	8.3	318	2.65	7.4	1.0	4.0	8.7	14	0.1	0.7	0.3	45	0.19	0.049
1532287	Soil		0.8	18.4	13.0	64	<0.1	17.1	7.4	278	2.42	6.5	1.1	4.7	13.1	18	<0.1	0.5	0.2	42	0.26	0.052
1534468	Soil		0.9	10.4	34.0	94	0.8	14.3	8.1	463	2.92	8.1	0.7	7.7	7.7	11	0.2	0.5	1.2	51	0.12	0.066
1534473	Soil		1.7	23.3	10.0	66	0.2	20.8	8.5	289	2.96	11.6	0.7	1.0	3.8	10	0.1	0.6	0.2	67	0.09	0.030
1534471	Soil		1.7	36.2	10.3	73	0.1	24.4	8.8	336	2.70	12.6	1.8	13.2	5.4	16	0.2	0.8	0.2	54	0.16	0.029
1532282	Soil		0.9	9.1	11.7	56	0.3	8.4	5.7	322	2.39	4.9	0.8	1.9	7.8	11	<0.1	0.4	0.2	37	0.11	0.026
1534472	Soil		1.5	42.9	9.9	91	<0.1	33.0	13.3	428	3.21	10.7	1.7	4.1	9.1	16	0.1	0.6	0.2	54	0.15	0.027
1532279	Soil		1.1	14.9	13.9	81	0.3	20.4	12.4	1134	3.02	7.9	0.9	2.5	7.2	16	0.3	0.3	0.3	57	0.20	0.101
1532280	Soil		2.0	24.0	11.5	78	0.2	26.9	17.1	996	3.19	11.3	1.4	3.4	6.5	15	0.2	0.6	0.2	67	0.14	0.050
1532281	Soil		1.1	11.3	15.0	68	0.3	14.5	7.4	384	3.06	8.5	0.8	3.4	7.3	13	0.2	0.6	0.3	51	0.16	0.060
1532278	Soil		1.7	19.7	13.1	68	0.3	21.0	15.9	641	3.42	11.4	0.8	1.7	5.5	11	0.2	0.4	0.2	69	0.13	0.076
1534475	Soil		5.1	50.2	10.7	100	0.2	38.9	10.9	286	3.31	8.8	1.5	3.2	6.3	14	0.2	0.4	0.2	76	0.14	0.046
1532283	Soil		1.0	8.6	12.1	53	0.2	11.0	5.3	274	2.33	5.5	1.1	3.0	10.5	11	0.1	0.5	0.2	43	0.12	0.020
1532276	Soil		0.8	14.8	10.5	106	0.1	19.3	10.6	637	3.46	4.3	1.7	1.4	17.4	16	0.2	0.3	0.1	51	0.35	0.107
1532284	Soil		1.5	14.0	13.0	61	0.2	17.3	8.2	553	2.69	9.7	1.0	5.9	10.6	14	0.2	0.5	0.2	56	0.14	0.028
1534474	Soil		2.9	56.5	13.8	118	0.3	32.5	8.5	313	3.29	11.6	1.5	2.8	4.4	18	0.3	0.3	0.2	92	0.11	0.066
1533180	Soil		0.7	16.5	6.8	73	<0.1	26.7	14.7	283	3.56	7.5	0.6	3.6	2.9	11	0.2	0.5	0.1	67	0.15	0.053
1533179	Soil		1.5	33.1	10.1	115	0.1	31.0	14.5	449	3.48	25.4	1.1	1.5	6.6	17	0.5	0.7	0.3	66	0.27	0.066
1532286	Soil		1.0	13.8	15.5	68	<0.1	16.9	7.5	358	2.73	7.6	1.5	4.2	15.0	12	0.2	0.6	0.2	46	0.16	0.044
1532285	Soil		1.4	17.8	12.0	74	0.2	17.0	9.8	438	2.59	9.1	3.0	3.0	9.0	17	0.3	0.5	0.2	44	0.24	0.057
1533177	Soil		1.2	12.2	13.7	50	<0.1	11.4	5.5	234	2.30	8.0	1.1	<0.5	1.9	15	0.2	0.4	0.2	58	0.15	0.038
1533184	Soil		1.6	59.6	10.6	93	0.4	36.1	15.9	815	3.48	11.7	3.2	5.2	4.7	22	0.1	0.7	0.2	70	0.29	0.079
1534470	Soil		1.5	28.2	9.8	68	<0.1	23.6	8.8	318	2.86	11.8	1.4	5.0	4.9	13	<0.1	0.6	0.2	58	0.14	0.027
1534469	Soil		1.8	36.6	10.0	88	<0.1	24.7	10.1	313	2.88	11.5	1.6	1.3	5.3	13	0.1	0.6	0.2	64	0.09	0.022

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Page: 4 of 12

Part: 2 of 2

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Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	0.2
1533973	Soil	19	27	0.48	325	0.059	1	1.34	0.007	0.13	0.2	0.04	4.1	0.2	<0.05	4	<0.5	<0.2
1534379	Soil	13	22	0.34	302	0.032	1	1.22	0.008	0.04	0.2	0.16	2.5	0.2	<0.05	4	<0.5	<0.2
1534397	Soil	15	53	0.38	494	0.031	1	1.21	0.008	0.05	0.2	0.29	3.0	0.4	<0.05	4	0.6	<0.2
1534393	Soil	14	25	0.39	292	0.035	2	1.34	0.008	0.05	0.2	0.12	3.2	0.2	<0.05	4	<0.5	<0.2
1532289	Soil	37	33	0.55	318	0.084	1	1.72	0.010	0.18	0.2	0.04	5.0	0.2	<0.05	6	<0.5	<0.2
1532277	Soil	26	29	0.55	272	0.085	1	1.60	0.008	0.13	0.2	0.03	4.0	0.2	<0.05	5	<0.5	<0.2
1532288	Soil	35	25	0.45	213	0.068	<1	1.65	0.008	0.17	0.2	0.03	3.8	0.2	<0.05	5	<0.5	<0.2
1532287	Soil	49	23	0.45	267	0.068	<1	1.44	0.007	0.16	0.2	0.02	5.2	0.2	<0.05	5	<0.5	<0.2
1534468	Soil	19	24	0.50	223	0.094	<1	1.70	0.007	0.28	0.2	0.02	3.0	0.3	<0.05	7	<0.5	0.5
1534473	Soil	10	32	0.51	302	0.074	<1	1.77	0.008	0.10	0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
1534471	Soil	20	31	0.51	340	0.076	<1	1.60	0.008	0.10	0.2	0.04	5.0	0.2	<0.05	5	0.5	<0.2
1532282	Soil	16	16	0.41	236	0.126	1	1.33	0.007	0.47	0.2	0.02	3.6	0.4	<0.05	8	<0.5	<0.2
1534472	Soil	27	38	0.70	392	0.117	2	1.87	0.008	0.30	<0.1	0.02	5.5	0.3	<0.05	5	0.7	<0.2
1532279	Soil	21	33	0.66	284	0.101	2	1.82	0.008	0.29	0.2	0.03	3.5	0.3	<0.05	6	<0.5	<0.2
1532280	Soil	21	40	0.58	294	0.078	3	1.84	0.008	0.11	0.2	0.04	4.8	0.2	<0.05	6	<0.5	<0.2
1532281	Soil	18	23	0.44	232	0.087	<1	1.64	0.006	0.26	0.2	0.02	3.6	0.3	<0.05	7	<0.5	<0.2
1532278	Soil	12	39	0.54	179	0.066	<1	1.83	0.006	0.12	0.2	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
1534475	Soil	18	52	0.79	296	0.089	2	1.93	0.009	0.20	0.2	0.02	5.3	0.2	<0.05	6	0.9	<0.2
1532283	Soil	27	20	0.30	243	0.073	2	1.22	0.007	0.19	0.2	0.05	3.5	0.3	<0.05	6	<0.5	<0.2
1532276	Soil	61	30	1.01	327	0.203	1	2.23	0.008	0.85	1.2	<0.01	5.1	0.6	<0.05	9	<0.5	<0.2
1532284	Soil	27	30	0.40	320	0.063	2	1.62	0.007	0.15	0.2	0.08	3.6	0.2	<0.05	6	<0.5	<0.2
1534474	Soil	13	51	0.78	288	0.078	2	1.94	0.007	0.18	0.1	0.03	5.0	0.2	0.08	6	0.8	<0.2
1533180	Soil	13	44	0.64	226	0.108	1	2.11	0.009	0.30	0.1	0.02	3.8	0.2	0.06	7	0.7	<0.2
1533179	Soil	24	40	0.87	286	0.093	2	1.64	0.010	0.20	0.1	0.04	5.3	0.4	<0.05	5	0.6	<0.2
1532286	Soil	40	30	0.46	137	0.076	2	1.65	0.007	0.18	0.2	0.03	4.4	0.3	<0.05	6	<0.5	<0.2
1532285	Soil	27	24	0.47	278	0.075	2	1.31	0.009	0.13	0.2	0.02	3.8	0.2	<0.05	5	<0.5	<0.2
1533177	Soil	14	27	0.37	88	0.071	1	1.25	0.007	0.12	0.1	0.02	2.5	0.2	<0.05	8	<0.5	<0.2
1533184	Soil	17	38	0.66	600	0.066	2	1.89	0.012	0.08	0.2	0.10	9.4	0.2	<0.05	5	0.6	<0.2
1534470	Soil	15	34	0.51	241	0.063	1	1.68	0.008	0.06	0.1	0.01	4.5	0.1	<0.05	5	<0.5	<0.2
1534469	Soil	17	38	0.55	253	0.087	1	1.53	0.007	0.08	0.1	0.03	4.4	0.1	<0.05	5	<0.5	<0.2



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Project: ERK
Report Date: September 02, 2017

Page: 5 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1533182	Soil	1.5	49.5	10.8	96	0.1	32.4	11.1	281	3.34	46.0	2.0	7.4	5.3	14	0.5	3.1	0.2	78	0.09	0.046
1533205	Soil	1.2	29.2	9.5	100	0.2	34.8	13.3	388	3.43	18.3	1.5	4.1	3.4	15	0.2	0.8	0.2	75	0.23	0.060
1534467	Soil	1.2	16.4	12.9	71	0.2	18.9	11.5	617	2.76	9.5	0.9	3.3	5.6	17	0.2	0.5	0.2	59	0.20	0.058
1533178	Soil	1.2	29.2	9.6	85	0.2	25.9	10.0	327	2.91	17.0	2.4	6.5	7.8	19	0.1	0.6	0.2	54	0.33	0.086
1533181	Soil	1.4	30.4	9.0	104	<0.1	96.7	19.4	388	3.87	120.6	1.2	2.6	7.6	10	0.4	0.4	0.2	94	0.12	0.042
1533183	Soil	1.7	40.3	24.7	114	0.2	37.1	11.8	359	3.46	18.5	1.7	7.0	3.7	16	0.4	0.9	0.3	93	0.18	0.047
1533196	Soil	1.6	15.6	11.6	92	0.1	20.2	8.8	345	3.32	16.8	1.1	4.5	8.6	14	0.4	0.8	0.2	61	0.19	0.037
1533190	Soil	1.4	31.6	11.8	93	0.1	26.7	10.4	358	2.78	30.9	1.1	4.7	3.9	14	0.2	2.3	0.1	57	0.15	0.047
1533189	Soil	1.8	25.0	10.9	77	0.1	23.0	9.5	357	2.83	21.4	1.1	3.6	2.9	14	0.3	1.0	0.2	65	0.17	0.065
1533188	Soil	1.2	28.0	9.7	80	0.1	24.2	10.8	427	2.68	17.2	1.1	2.5	2.9	14	0.3	1.2	0.2	59	0.16	0.064
1475739	Soil	2.3	22.4	25.7	59	0.2	18.4	7.7	327	3.76	113.5	0.9	7.1	3.7	12	0.2	7.8	0.3	69	0.09	0.040
1533193	Soil	1.3	27.9	12.2	90	0.1	25.2	10.2	365	3.08	43.9	1.3	1.6	4.5	18	0.3	1.1	0.2	59	0.22	0.056
1533194	Soil	1.1	23.4	10.2	81	0.1	23.5	9.5	325	2.99	14.1	1.5	3.4	6.9	18	0.2	0.6	0.1	58	0.27	0.062
1533176	Soil	1.0	33.1	11.2	70	<0.1	25.7	11.9	510	3.28	11.2	1.7	4.0	9.2	18	<0.1	0.7	0.1	60	0.22	0.043
1534462	Soil	0.9	18.3	10.8	69	0.1	18.4	7.6	164	2.52	9.1	1.1	4.8	4.1	16	0.2	0.6	0.2	48	0.22	0.067
1533195	Soil	1.6	20.3	10.9	94	0.1	22.2	9.7	349	3.20	15.7	1.1	2.4	6.4	15	0.3	0.6	0.1	69	0.21	0.048
1533191	Soil	1.3	33.2	11.5	97	0.2	33.5	10.6	363	2.96	17.8	1.2	1.2	4.8	18	0.2	0.9	0.1	59	0.24	0.058
1533204	Soil	1.5	30.8	13.9	92	0.1	28.5	12.3	445	3.22	32.3	1.3	4.1	3.7	15	0.2	2.2	0.2	68	0.16	0.045
1534463	Soil	1.8	23.9	19.6	87	0.6	26.3	10.9	442	2.57	10.4	7.1	7.2	9.8	27	0.4	0.8	0.4	44	0.51	0.073
1533187	Soil	1.4	28.3	10.0	91	0.1	23.7	9.5	316	2.65	12.2	1.3	7.3	4.0	16	0.2	0.9	0.2	59	0.18	0.050
1533192	Soil	2.0	39.3	10.7	127	0.3	35.9	11.7	376	3.51	26.7	1.4	3.0	4.0	15	0.4	1.4	0.2	84	0.20	0.066
1533206	Soil	1.2	42.2	7.6	116	0.1	51.4	22.0	539	4.06	11.3	1.1	3.7	3.8	19	0.6	1.3	0.2	88	0.20	0.054
1534459	Soil	1.5	25.4	13.1	87	<0.1	20.9	9.4	357	3.09	7.6	1.3	1.7	14.6	15	0.2	0.7	0.2	52	0.23	0.062
1475687	Soil	3.3	31.4	50.0	73	0.5	30.7	24.4	992	3.01	126.6	1.4	13.8	3.7	16	0.3	16.7	0.9	52	0.13	0.059
1475698	Soil	1.8	13.5	23.3	24	0.6	6.8	2.5	72	1.92	47.7	0.8	8.3	1.8	12	0.1	2.5	0.3	54	0.07	0.028
1475684	Soil	2.7	51.3	28.8	53	0.4	18.9	15.0	395	2.21	39.0	1.8	9.4	6.6	26	0.2	4.7	0.3	47	0.23	0.080
1534461	Soil	0.9	19.0	10.6	69	0.1	18.5	8.1	220	2.60	10.4	1.1	0.8	3.5	16	0.2	0.6	0.2	51	0.22	0.063
1475727	Soil	2.4	33.5	71.9	51	0.7	22.8	7.2	277	2.88	94.1	1.1	12.4	1.3	16	0.3	10.7	0.4	55	0.12	0.049
1475695	Soil	2.1	31.3	19.7	58	0.6	19.8	13.7	351	2.48	27.9	1.6	6.1	1.2	17	0.4	2.3	0.3	51	0.15	0.068
1475736	Soil	1.2	21.0	17.5	57	0.1	17.7	6.0	183	2.99	96.2	0.7	4.4	1.4	18	0.3	6.6	0.2	66	0.16	0.055



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Report Date: September 02, 2017

Page: 5 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method Analyte	Unit	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
MDL	MDL	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1533182	Soil	14	36	0.36	198	0.043	2	1.69	0.007	0.07	0.1	0.05	5.5	0.4	<0.05	5	0.7	<0.2
1533205	Soil	21	52	0.67	335	0.072	2	1.82	0.009	0.15	0.1	0.04	7.6	0.5	<0.05	6	<0.5	<0.2
1534467	Soil	19	31	0.52	329	0.075	1	1.82	0.008	0.13	0.2	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
1533178	Soil	37	37	0.68	247	0.073	<1	1.70	0.009	0.13	0.2	0.05	5.0	0.2	<0.05	5	<0.5	<0.2
1533181	Soil	16	122	1.20	400	0.128	2	2.84	0.007	0.33	0.2	0.02	6.6	0.4	<0.05	9	0.5	<0.2
1533183	Soil	19	40	0.63	330	0.064	2	1.89	0.008	0.10	0.2	0.05	7.4	0.4	<0.05	6	0.8	<0.2
1533196	Soil	23	37	0.53	197	0.078	2	1.70	0.007	0.12	0.2	0.04	5.0	0.3	<0.05	6	0.5	<0.2
1533190	Soil	15	30	0.42	206	0.049	1	1.37	0.007	0.05	0.1	0.08	5.1	0.2	<0.05	4	0.7	<0.2
1533189	Soil	14	34	0.40	182	0.052	1	1.32	0.006	0.06	0.2	0.04	4.2	0.2	<0.05	5	<0.5	<0.2
1533188	Soil	14	33	0.45	187	0.048	2	1.39	0.007	0.05	0.1	0.04	4.5	0.3	<0.05	5	<0.5	<0.2
1475739	Soil	18	31	0.38	110	0.055	2	1.65	0.006	0.07	0.2	0.11	3.6	0.3	<0.05	7	<0.5	<0.2
1533193	Soil	21	33	0.53	274	0.060	1	1.68	0.009	0.08	0.2	0.04	5.4	0.2	<0.05	5	<0.5	<0.2
1533194	Soil	27	35	0.56	251	0.070	1	1.75	0.018	0.11	0.2	0.03	5.6	0.3	<0.05	5	<0.5	<0.2
1533176	Soil	39	41	0.72	294	0.081	2	2.06	0.011	0.13	0.2	0.02	6.3	0.2	<0.05	6	<0.5	<0.2
1534462	Soil	23	27	0.41	226	0.048	1	1.42	0.009	0.06	0.2	0.05	3.4	0.1	<0.05	5	<0.5	<0.2
1533195	Soil	26	35	0.57	196	0.067	1	1.70	0.008	0.09	0.2	0.03	5.6	0.2	<0.05	6	0.7	<0.2
1533191	Soil	20	37	0.56	375	0.071	1	1.38	0.009	0.07	0.2	0.04	6.0	0.2	<0.05	4	<0.5	<0.2
1533204	Soil	15	35	0.50	315	0.056	1	1.65	0.008	0.06	0.2	0.08	5.9	0.3	<0.05	5	0.6	<0.2
1534463	Soil	83	36	0.49	464	0.055	2	1.60	0.008	0.14	0.3	0.11	5.1	0.3	<0.05	5	1.2	<0.2
1533187	Soil	15	32	0.53	203	0.053	1	1.58	0.008	0.09	0.2	0.03	4.5	0.3	<0.05	5	0.8	<0.2
1533192	Soil	19	40	0.60	233	0.075	2	1.60	0.007	0.13	0.1	0.05	5.3	0.5	<0.05	6	1.0	<0.2
1533206	Soil	21	38	0.64	390	0.039	2	1.68	0.009	0.08	<0.1	0.03	8.6	0.3	<0.05	5	0.8	<0.2
1534459	Soil	57	34	0.62	211	0.116	1	1.70	0.007	0.36	0.3	0.03	5.0	0.4	<0.05	7	<0.5	<0.2
1475687	Soil	16	45	0.35	128	0.055	1	0.94	0.007	0.08	0.8	0.18	3.1	0.4	<0.05	4	0.6	0.3
1475698	Soil	14	22	0.17	83	0.039	<1	1.04	0.004	0.03	0.3	0.17	2.4	0.1	<0.05	6	0.6	<0.2
1475684	Soil	24	24	0.38	152	0.057	<1	0.90	0.011	0.09	0.4	0.20	4.9	0.3	<0.05	3	0.8	<0.2
1534461	Soil	19	27	0.45	204	0.052	1	1.54	0.008	0.06	0.2	0.05	3.3	0.1	<0.05	5	<0.5	<0.2
1475727	Soil	14	35	0.30	131	0.033	<1	1.25	0.006	0.05	0.2	0.18	2.8	<0.1	<0.05	5	0.7	<0.2
1475695	Soil	18	29	0.37	264	0.034	<1	1.52	0.007	0.06	0.4	0.25	3.5	0.3	<0.05	5	0.5	<0.2
1475736	Soil	12	27	0.33	132	0.051	1	1.21	0.006	0.06	0.3	0.06	2.7	0.2	<0.05	5	<0.5	<0.2

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



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Page: 6 of 12

Part: 1 of 2

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	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	
	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	
1475700	Soil	1.6	27.3	26.5	54	0.4	30.4	8.9	297	2.90	139.9	0.6	5.3	3.2	15	0.2	12.5	0.2	51	0.15	0.039
1475732	Soil	2.0	42.0	17.2	67	0.2	28.3	11.8	418	2.95	46.2	1.3	14.1	3.9	16	0.2	5.2	0.2	54	0.18	0.069
1475730	Soil	3.2	54.0	35.3	76	0.7	23.9	12.4	540	3.04	85.2	2.4	19.8	6.8	23	0.4	7.1	0.4	58	0.13	0.072
1475735	Soil	2.3	13.6	12.4	56	0.2	12.2	6.2	480	3.48	30.0	0.5	0.8	1.3	10	0.3	1.3	0.3	81	0.09	0.066
1475729	Soil	3.6	49.0	32.3	61	0.6	20.3	11.6	465	3.02	131.8	2.1	19.3	3.6	19	0.3	9.3	0.3	59	0.09	0.062
1475731	Soil	3.6	37.1	79.2	61	0.8	22.5	9.5	390	2.65	60.4	1.4	30.7	3.9	20	0.3	6.1	0.2	56	0.16	0.086
1475733	Soil	2.0	31.0	23.6	68	0.3	28.7	11.2	527	3.06	72.3	1.0	10.6	4.5	18	0.3	4.8	0.2	61	0.20	0.084
1475699	Soil	1.5	26.7	28.0	49	0.3	28.9	7.7	247	2.43	134.8	0.7	6.0	3.8	14	0.1	13.9	0.2	47	0.13	0.034
1475737	Soil	3.0	47.0	30.8	52	0.4	17.7	5.9	174	2.77	75.5	1.1	12.9	2.7	12	0.2	5.7	0.3	57	0.08	0.053
1475741	Soil	1.9	35.1	35.8	71	0.5	23.3	9.5	344	2.92	34.9	1.4	9.0	4.4	19	0.2	3.5	0.3	54	0.20	0.066
1533185	Soil	1.4	18.6	16.8	68	0.2	19.3	10.2	460	2.77	21.2	0.8	<0.5	3.1	14	0.3	2.1	0.2	62	0.18	0.048
1534460	Soil	0.9	26.4	11.5	77	0.1	23.8	9.1	282	2.50	8.8	1.3	<0.5	5.7	23	0.2	0.7	0.2	48	0.31	0.070
1475692	Soil	1.2	22.2	15.1	46	0.7	11.0	3.1	84	1.70	41.2	1.7	4.2	0.4	13	0.2	2.4	0.3	35	0.12	0.064
1475740	Soil	3.1	34.9	75.1	57	0.4	18.0	7.0	259	2.85	73.8	1.4	10.1	5.1	17	<0.1	8.5	0.4	53	0.11	0.050
1533186	Soil	1.2	20.5	9.1	83	0.2	19.3	9.0	382	2.51	9.5	0.9	3.1	3.9	13	0.3	0.8	0.1	60	0.21	0.057
1534464	Soil	1.7	17.3	16.7	68	0.3	16.6	8.8	490	2.67	8.8	1.8	1.6	10.2	18	0.2	0.5	0.3	51	0.18	0.043
1475688	Soil	2.3	45.9	26.8	76	0.7	88.7	13.3	504	2.63	106.4	2.2	6.0	2.7	22	0.3	8.4	0.4	46	0.25	0.071
1475686	Soil	2.9	35.2	54.3	58	1.3	16.4	10.0	304	2.40	76.2	1.7	17.7	2.1	20	0.2	8.1	0.8	51	0.19	0.069
1475690	Soil	2.1	38.1	20.7	99	0.5	21.4	7.5	257	2.96	49.3	1.8	8.7	4.8	19	0.3	4.9	0.3	61	0.15	0.074
1534465	Soil	1.2	15.6	13.5	64	0.2	16.0	8.7	528	2.59	8.8	1.2	0.7	9.3	18	0.2	0.5	0.3	54	0.21	0.041
1475696	Soil	3.1	32.2	22.1	78	0.6	18.9	8.0	339	2.74	39.4	1.3	7.5	2.7	17	0.3	4.1	0.3	58	0.18	0.067
1475738	Soil	1.5	37.5	15.3	68	0.2	27.2	9.4	338	2.62	56.4	1.1	3.6	3.1	20	0.2	6.5	0.2	52	0.25	0.081
1475693	Soil	1.0	11.1	15.1	39	0.4	10.0	3.2	82	1.37	17.2	0.8	<0.5	0.2	12	<0.1	1.3	0.2	31	0.12	0.043
1534466	Soil	0.9	13.1	18.2	75	0.3	13.4	9.4	743	2.88	6.1	2.0	<0.5	16.7	15	0.3	0.4	0.2	40	0.17	0.067
1533201	Soil	2.7	22.4	7.4	144	<0.1	23.4	22.2	1064	6.05	8.4	2.2	<0.5	27.9	24	0.1	0.6	<0.1	79	0.51	0.153
1533200	Soil	1.1	25.5	15.4	87	0.1	21.8	12.2	490	3.37	7.6	1.2	1.5	9.9	16	0.1	0.6	0.1	56	0.32	0.092
1475734	Soil	1.3	22.6	15.4	66	0.2	24.1	9.2	291	2.75	26.2	0.9	8.3	3.6	13	0.3	2.0	0.2	55	0.15	0.062
1475728	Soil	4.8	41.1	37.2	51	1.2	16.7	7.7	248	3.02	168.3	2.3	70.7	6.0	20	0.3	20.2	0.3	53	0.10	0.073
1533199	Soil	1.3	25.1	18.1	85	0.1	19.4	11.9	496	3.40	7.8	1.2	4.6	9.8	17	0.1	0.6	0.1	55	0.33	0.091
1533202	Soil	1.5	19.7	10.1	108	<0.1	28.5	18.4	741	4.49	14.0	1.2	<0.5	11.2	18	0.2	0.7	0.1	68	0.34	0.120

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Report Date: September 02, 2017

Page: 6 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method Analyte	Unit	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
MDL		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1475700	Soil	13	35	0.43	134	0.042	2	1.71	0.008	0.07	0.3	0.18	3.2	0.2	<0.05	4	<0.5	<0.2
1475732	Soil	18	32	0.46	133	0.049	1	1.47	0.007	0.08	0.4	0.10	3.9	0.2	<0.05	4	<0.5	<0.2
1475730	Soil	28	32	0.44	185	0.053	<1	1.40	0.006	0.15	0.2	0.20	5.5	0.4	<0.05	5	0.8	<0.2
1475735	Soil	11	27	0.31	91	0.062	<1	1.29	0.005	0.04	0.3	0.05	2.5	0.1	<0.05	7	<0.5	<0.2
1475729	Soil	18	29	0.37	148	0.042	<1	1.53	0.006	0.07	0.2	0.13	5.2	0.2	<0.05	5	0.7	<0.2
1475731	Soil	17	29	0.38	138	0.046	<1	1.26	0.007	0.08	0.5	0.20	4.0	0.1	<0.05	4	1.0	<0.2
1475733	Soil	17	35	0.48	164	0.060	<1	1.56	0.008	0.09	0.3	0.08	4.3	0.2	<0.05	5	<0.5	<0.2
1475699	Soil	14	31	0.37	120	0.042	1	1.25	0.007	0.06	0.4	0.17	3.1	0.2	<0.05	4	0.7	<0.2
1475737	Soil	14	25	0.29	90	0.044	<1	1.17	0.005	0.07	0.8	0.07	3.2	0.3	<0.05	5	0.7	<0.2
1475741	Soil	23	34	0.56	193	0.068	2	1.65	0.009	0.13	0.3	0.16	4.2	0.2	<0.05	5	0.5	<0.2
1533185	Soil	18	37	0.53	200	0.061	1	1.62	0.007	0.10	0.1	0.03	3.6	0.2	<0.05	6	<0.5	<0.2
1534460	Soil	23	29	0.49	336	0.060	<1	1.41	0.015	0.07	0.2	0.05	4.3	0.1	<0.05	4	<0.5	<0.2
1475692	Soil	14	23	0.28	156	0.021	1	1.10	0.007	0.05	0.2	0.58	1.9	0.5	0.05	4	0.8	<0.2
1475740	Soil	21	27	0.39	123	0.056	<1	1.30	0.006	0.14	0.3	0.18	3.9	0.2	<0.05	5	0.8	<0.2
1533186	Soil	22	32	0.62	214	0.070	<1	1.51	0.007	0.21	0.2	0.03	3.9	0.3	<0.05	5	0.6	<0.2
1534464	Soil	33	27	0.44	332	0.071	<1	1.47	0.008	0.17	0.2	0.02	4.0	0.2	<0.05	6	<0.5	<0.2
1475688	Soil	21	43	0.40	255	0.040	2	1.16	0.008	0.07	0.4	0.46	4.2	0.4	0.08	4	0.8	<0.2
1475686	Soil	17	26	0.37	186	0.042	<1	1.19	0.009	0.08	0.6	0.36	3.7	0.2	0.05	4	0.8	0.2
1475690	Soil	18	34	0.49	229	0.065	<1	1.36	0.009	0.19	0.5	0.23	4.1	0.5	0.11	4	1.1	<0.2
1534465	Soil	28	26	0.49	282	0.080	<1	1.52	0.007	0.15	0.3	0.02	3.9	0.2	<0.05	6	<0.5	<0.2
1475696	Soil	17	29	0.37	182	0.042	<1	1.08	0.006	0.12	0.5	0.12	3.4	0.2	0.05	4	1.3	<0.2
1475738	Soil	15	31	0.47	133	0.053	<1	1.33	0.008	0.07	0.4	0.11	3.6	0.1	<0.05	4	0.6	<0.2
1475693	Soil	10	24	0.28	120	0.021	<1	1.09	0.005	0.05	0.2	0.21	1.3	0.2	<0.05	5	0.7	<0.2
1534466	Soil	46	20	0.54	269	0.123	1	1.67	0.007	0.47	0.3	0.02	4.8	0.4	<0.05	6	<0.5	<0.2
1533201	Soil	82	73	1.65	393	0.178	1	3.11	0.008	1.20	0.2	0.03	10.3	1.0	<0.05	13	<0.5	<0.2
1533200	Soil	33	45	0.96	239	0.113	1	2.08	0.007	0.48	0.3	0.02	6.2	0.4	<0.05	7	<0.5	<0.2
1475734	Soil	14	31	0.43	129	0.050	2	1.52	0.007	0.06	0.5	0.06	3.2	0.1	<0.05	4	0.5	<0.2
1475728	Soil	21	25	0.29	159	0.029	<1	0.97	0.006	0.10	0.3	0.53	6.0	0.2	0.09	4	0.8	<0.2
1533199	Soil	45	44	0.92	291	0.108	<1	1.94	0.007	0.47	0.3	0.03	6.7	0.4	<0.05	7	<0.5	<0.2
1533202	Soil	35	73	1.12	213	0.128	2	2.34	0.007	0.67	0.2	0.02	6.4	0.6	<0.05	9	<0.5	<0.2



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Report Date: September 02, 2017

Page: 7 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method Analyte	Unit	MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1475685	Soil		2.7	35.6	51.8	68	1.0	19.1	9.0	297	2.53	55.1	1.6	18.4	2.2	23	0.2	7.3	0.5	52	0.24	0.067
1475694	Soil		1.2	18.4	14.1	44	0.5	12.4	3.5	83	1.80	22.1	1.2	2.8	0.4	14	0.2	1.9	0.2	36	0.17	0.065
1533208	Soil		1.2	20.1	11.0	70	0.1	20.5	8.8	322	2.74	29.2	1.0	1.4	3.7	15	0.2	0.9	0.2	56	0.20	0.050
1533207	Soil		1.5	30.2	9.7	99	0.2	22.0	8.4	290	3.41	9.9	1.5	0.8	3.4	20	0.3	0.6	0.2	92	0.19	0.075
1475697	Soil		3.2	36.7	25.2	72	0.6	23.6	6.6	262	2.58	41.5	1.4	12.9	4.6	21	0.4	4.5	0.2	52	0.24	0.067
1475691	Soil		1.6	26.4	16.8	57	0.7	14.4	3.6	94	2.09	60.2	1.8	6.4	0.7	14	0.2	3.0	0.3	41	0.13	0.064
1533209	Soil		1.1	24.3	9.4	67	0.2	25.4	9.2	289	2.73	10.7	2.3	5.7	6.1	17	0.1	0.5	0.2	52	0.29	0.076
1533203	Soil		1.2	14.1	8.9	77	<0.1	15.6	9.2	378	3.23	7.7	0.8	<0.5	3.8	16	0.3	0.3	0.1	68	0.24	0.059
1475689	Soil		2.2	19.0	27.6	59	0.4	16.0	7.8	441	2.76	67.4	1.0	4.1	2.5	12	0.1	6.3	0.4	53	0.08	0.059
1475726	Soil		1.7	58.4	32.0	144	0.8	583.7	43.3	1405	4.95	80.8	2.1	26.3	3.7	22	0.9	5.0	0.3	57	0.29	0.081
1533198	Soil		1.3	18.2	11.7	79	<0.1	24.0	13.7	523	3.37	11.1	1.0	1.9	8.6	14	0.2	0.8	0.1	56	0.19	0.070
1533848	Soil		1.3	22.6	11.0	67	0.1	20.9	7.8	302	2.61	18.1	1.0	0.8	3.0	12	0.2	1.3	0.1	54	0.14	0.038
1533966	Soil		1.9	28.8	6.6	54	<0.1	74.5	23.3	260	3.37	10.8	0.8	0.7	5.4	9	<0.1	0.9	<0.1	90	0.12	0.021
1533841	Soil		2.1	27.0	16.8	68	0.2	20.3	9.2	391	2.85	22.4	1.2	1.5	1.7	15	0.2	1.5	0.2	58	0.15	0.059
1533197	Soil		2.1	15.0	13.0	83	0.2	17.2	9.9	681	3.48	13.6	1.2	2.0	5.9	16	0.4	0.9	0.2	74	0.24	0.061
1533847	Soil		1.7	30.8	12.5	78	0.2	21.7	8.5	338	2.85	28.0	1.6	2.9	5.4	16	0.3	1.5	0.3	54	0.17	0.044
1533961	Soil		1.7	21.7	13.5	78	0.1	23.0	12.7	575	3.43	13.5	1.2	<0.5	5.2	14	<0.1	0.8	0.2	71	0.20	0.053
1533957	Soil		2.0	29.5	15.4	75	0.1	21.2	11.0	514	3.48	24.0	1.5	3.7	8.2	15	0.2	1.7	0.1	54	0.15	0.046
1533963	Soil		1.1	26.5	13.3	61	0.1	24.2	9.2	270	2.59	8.5	1.5	5.6	2.8	13	0.1	0.5	0.1	53	0.18	0.058
1533850	Soil		1.5	27.4	10.7	67	0.1	17.7	6.6	242	2.79	10.6	1.3	3.0	3.0	13	0.2	0.7	0.2	58	0.13	0.055
1533849	Soil		1.7	30.5	11.1	70	0.2	17.9	6.9	250	2.98	10.8	1.5	2.4	3.4	14	0.2	0.7	0.2	62	0.14	0.063
1533844	Soil		1.0	20.7	10.2	76	<0.1	21.8	11.2	512	2.84	11.7	1.0	1.6	6.5	14	0.1	0.8	0.1	50	0.21	0.065
1533846	Soil		1.1	23.6	11.2	72	0.1	20.1	10.4	453	2.93	8.9	1.2	1.9	6.8	14	0.2	0.7	0.1	51	0.19	0.049
1533967	Soil		1.6	30.3	8.8	54	<0.1	38.2	24.4	246	2.93	11.5	0.5	0.7	4.7	11	<0.1	0.7	0.1	64	0.12	0.020
1533959	Soil		1.3	25.4	13.4	69	0.1	21.2	9.7	415	3.05	13.2	1.3	2.2	5.1	15	0.2	0.8	0.2	59	0.17	0.053
1533962	Soil		0.9	19.6	11.0	67	0.1	19.5	9.3	383	2.49	10.4	1.7	2.3	5.2	17	0.1	0.6	0.1	48	0.26	0.058
1533958	Soil		1.5	23.0	13.8	75	0.1	21.1	11.1	521	3.41	10.9	1.2	3.9	5.7	15	0.2	0.7	0.2	59	0.19	0.055
1475198	Soil		1.1	17.7	12.4	58	0.2	22.1	9.3	406	2.96	31.0	1.4	1.8	6.0	12	0.1	1.3	0.2	59	0.12	0.032
1475217	Soil		0.7	18.0	9.4	58	<0.1	20.8	8.7	303	2.53	11.3	1.2	2.1	8.2	9	0.1	0.7	0.1	46	0.10	0.020
1533796	Soil		2.4	25.3	10.6	103	0.4	20.9	6.9	154	2.81	48.3	1.4	3.8	3.0	18	0.4	2.7	0.1	62	0.22	0.077

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Page: 7 of 12

Part: 2 of 2

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Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	TI ppm	S %	Ga ppm	Se ppm	Te ppm	
1475685	Soil	18	28	0.42	233	0.040	1	1.29	0.010	0.09	0.4	0.35	4.4	0.2	<0.05	4	<0.5	<0.2
1475694	Soil	12	25	0.33	145	0.022	2	1.17	0.008	0.05	0.2	0.25	1.9	0.2	<0.05	4	0.6	<0.2
1533208	Soil	19	32	0.54	221	0.055	<1	1.66	0.008	0.08	0.1	0.03	4.7	0.2	<0.05	6	<0.5	<0.2
1533207	Soil	19	40	0.73	324	0.091	<1	2.17	0.011	0.18	0.1	0.07	6.3	0.3	<0.05	8	0.9	<0.2
1475697	Soil	18	39	0.43	193	0.044	<1	0.98	0.008	0.14	0.8	0.15	3.8	0.3	0.07	4	0.7	<0.2
1475691	Soil	17	26	0.37	183	0.024	<1	1.24	0.007	0.07	0.4	0.59	2.6	0.6	<0.05	5	1.0	<0.2
1533209	Soil	30	32	0.59	212	0.065	<1	1.52	0.009	0.12	0.3	0.04	4.0	0.2	<0.05	5	<0.5	<0.2
1533203	Soil	15	42	0.88	151	0.140	<1	1.74	0.008	0.50	0.3	0.04	3.4	0.4	<0.05	9	<0.5	<0.2
1475689	Soil	14	28	0.30	89	0.047	<1	1.11	0.006	0.06	0.9	0.12	2.4	0.3	<0.05	5	<0.5	<0.2
1475726	Soil	13	922	2.29	194	0.043	1	1.58	0.004	0.11	0.2	0.18	11.1	0.3	<0.05	4	<0.5	<0.2
1533198	Soil	20	48	0.73	169	0.079	1	1.99	0.008	0.25	0.2	0.04	5.4	0.3	<0.05	7	<0.5	<0.2
1533848	Soil	16	30	0.43	173	0.050	<1	1.42	0.007	0.07	0.2	0.04	4.0	0.3	<0.05	5	<0.5	<0.2
1533966	Soil	17	513	2.04	369	0.141	<1	2.46	0.007	0.57	0.1	<0.01	3.7	0.3	<0.05	6	<0.5	<0.2
1533841	Soil	18	50	0.55	235	0.064	<1	1.42	0.008	0.16	0.1	0.04	2.7	0.3	<0.05	6	<0.5	<0.2
1533197	Soil	30	52	0.57	167	0.071	<1	1.65	0.007	0.17	0.2	0.03	5.5	0.3	<0.05	8	<0.5	<0.2
1533847	Soil	21	36	0.59	212	0.075	1	1.46	0.006	0.17	0.2	0.05	4.2	0.4	<0.05	5	0.5	<0.2
1533961	Soil	17	90	0.79	256	0.109	1	1.75	0.007	0.21	0.2	0.02	4.6	0.3	<0.05	8	<0.5	<0.2
1533957	Soil	28	39	0.74	181	0.104	<1	1.71	0.009	0.35	0.2	0.02	4.0	0.5	0.05	7	<0.5	<0.2
1533963	Soil	21	79	0.67	160	0.060	<1	1.56	0.007	0.13	0.2	0.05	3.2	0.2	<0.05	5	<0.5	<0.2
1533850	Soil	18	33	0.49	202	0.053	<1	1.59	0.008	0.12	0.2	0.03	3.6	0.3	<0.05	6	0.6	<0.2
1533849	Soil	20	34	0.52	246	0.055	<1	1.62	0.008	0.15	0.2	0.06	3.9	0.3	0.06	6	0.5	<0.2
1533844	Soil	17	40	0.68	164	0.090	1	1.53	0.008	0.20	0.2	0.02	3.5	0.2	<0.05	5	<0.5	<0.2
1533846	Soil	24	41	0.73	259	0.101	<1	1.70	0.007	0.22	0.2	0.03	4.1	0.3	<0.05	6	<0.5	<0.2
1533967	Soil	12	148	0.79	203	0.079	<1	1.83	0.007	0.10	0.2	0.03	3.5	0.2	<0.05	5	<0.5	<0.2
1533959	Soil	23	39	0.60	232	0.074	1	1.91	0.008	0.14	0.2	0.04	4.1	0.2	<0.05	7	<0.5	<0.2
1533962	Soil	25	38	0.56	271	0.062	<1	1.40	0.008	0.10	0.2	0.04	4.1	0.2	<0.05	5	<0.5	<0.2
1533958	Soil	20	40	0.71	197	0.091	1	1.80	0.007	0.18	0.2	0.03	4.3	0.3	<0.05	7	<0.5	<0.2
1475198	Soil	23	31	0.50	510	0.052	1	1.82	0.008	0.07	0.2	0.03	4.3	0.2	<0.05	6	<0.5	<0.2
1475217	Soil	21	26	0.47	153	0.056	<1	1.63	0.006	0.09	0.2	0.04	4.0	0.2	<0.05	5	<0.5	<0.2
1533796	Soil	15	26	0.43	248	0.048	<1	1.10	0.007	0.09	0.3	0.35	5.0	0.5	<0.05	4	0.8	<0.2



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Report Date: September 02, 2017

Page: 8 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	0.001
1475222	Soil	1.1	18.2	11.9	74	<0.1	15.3	15.0	606	3.84	15.9	0.8	1.6	3.5	16	0.1	0.4	0.2	64	0.25	0.061
1475200	Soil	1.0	15.5	12.2	71	0.1	19.7	9.7	407	3.09	12.3	1.3	0.9	9.6	9	<0.1	0.8	0.2	53	0.09	0.027
1475301	Soil	1.3	26.3	10.2	76	<0.1	48.4	20.0	477	4.73	4.5	0.6	1.0	2.5	14	0.1	0.4	0.1	123	0.27	0.068
1533894	Soil	2.4	29.4	9.2	113	0.5	28.1	10.6	280	2.60	58.6	1.8	7.3	1.5	17	0.9	2.0	0.2	53	0.21	0.076
1475204	Soil	1.1	20.2	13.8	70	0.1	18.8	7.9	327	2.70	6.6	4.0	2.3	12.3	17	<0.1	0.5	0.1	45	0.28	0.051
1475216	Soil	0.9	15.3	11.2	64	<0.1	18.1	9.7	429	2.80	11.0	1.5	2.8	9.9	13	<0.1	0.8	0.2	48	0.17	0.042
1533843	Soil	2.6	57.8	18.4	144	0.3	44.7	17.3	823	4.26	33.2	2.7	3.9	11.5	19	0.2	2.9	0.3	50	0.17	0.059
1533895	Soil	3.2	34.5	8.4	138	0.5	35.2	10.0	201	2.95	63.2	1.9	3.8	2.1	18	1.0	2.2	0.1	64	0.27	0.093
1475214	Soil	1.0	15.2	10.9	55	0.1	19.4	8.8	314	2.68	13.2	1.3	3.6	6.2	14	<0.1	0.6	0.2	57	0.17	0.036
1475211	Soil	1.7	26.8	15.2	119	<0.1	23.6	21.1	1039	5.75	3.4	1.2	<0.5	13.0	22	<0.1	0.3	<0.1	86	0.68	0.175
1475304	Soil	1.4	27.5	12.5	89	0.1	29.8	13.5	609	3.44	15.5	1.8	2.7	8.0	19	0.1	1.0	0.1	64	0.35	0.069
1533779	Soil	3.1	36.2	13.8	78	0.2	23.2	12.9	730	2.30	29.2	1.9	2.2	2.3	14	0.4	1.5	0.3	46	0.12	0.048
1475221	Soil	1.2	13.2	12.7	65	<0.1	23.6	9.8	295	3.25	13.2	0.9	1.4	7.2	13	<0.1	0.6	0.2	63	0.15	0.029
1533838	Soil	1.6	31.7	28.8	77	<0.1	35.1	14.6	515	3.14	12.4	1.6	2.4	6.7	16	0.4	0.8	0.3	58	0.15	0.043
1533839	Soil	2.0	40.0	14.1	52	0.2	21.5	8.3	370	3.18	23.2	1.2	1.7	1.1	13	0.3	1.2	0.3	72	0.10	0.065
1533965	Soil	2.3	50.7	10.7	65	<0.1	34.1	21.7	552	3.98	4.6	1.7	<0.5	3.6	11	0.1	0.3	0.1	109	0.13	0.051
1475220	Soil	1.0	21.5	12.6	63	<0.1	25.3	9.9	326	2.91	35.2	1.5	1.8	7.6	14	<0.1	1.1	0.2	55	0.14	0.020
1533785	Soil	3.8	43.8	13.1	110	0.3	34.7	20.1	743	3.08	32.8	2.5	2.8	5.7	13	0.5	2.0	0.2	55	0.12	0.059
1533955	Soil	1.9	33.9	17.0	78	0.2	22.0	9.0	318	3.35	41.1	2.1	2.4	6.4	16	<0.1	1.6	0.2	46	0.08	0.049
1533964	Soil	1.2	31.3	9.6	73	0.1	33.8	15.4	438	3.15	10.7	1.8	1.9	5.6	19	<0.1	0.8	0.1	68	0.29	0.065
1533789	Soil	1.6	25.1	10.8	115	0.3	26.9	11.4	426	3.25	23.3	1.5	3.5	6.0	15	0.4	1.0	0.1	66	0.21	0.050
1533794	Soil	1.2	21.8	7.8	75	0.5	19.2	8.8	175	2.63	37.0	1.8	1.1	2.2	21	0.5	1.6	0.1	55	0.29	0.078
1533951	Soil	1.1	23.1	10.6	69	<0.1	23.1	9.7	318	2.81	16.2	1.0	1.9	4.3	15	0.2	0.9	0.2	57	0.21	0.055
1533840	Soil	1.8	41.6	14.0	53	0.1	20.0	8.1	415	3.01	15.6	1.7	4.0	3.0	14	0.1	1.3	0.3	67	0.10	0.060
1533795	Soil	1.4	22.2	8.9	69	0.5	15.5	5.6	127	2.17	38.9	1.6	3.3	1.5	17	0.4	1.6	0.1	55	0.19	0.067
1533791	Soil	1.8	22.8	11.1	84	0.3	25.2	11.4	434	2.88	28.7	1.6	2.7	4.2	15	0.2	1.3	0.2	57	0.17	0.049
1533953	Soil	1.0	21.8	13.9	77	<0.1	21.5	11.1	488	3.52	8.3	1.3	3.2	11.4	18	<0.1	0.7	0.1	59	0.27	0.064
1533952	Soil	1.4	24.2	10.5	66	0.2	19.3	6.6	213	2.52	9.8	1.6	4.0	1.4	14	0.3	0.5	0.2	60	0.18	0.058
1533845	Soil	2.1	28.1	13.7	96	0.2	28.7	12.0	487	3.18	24.9	1.6	2.4	4.7	20	0.3	2.1	0.2	63	0.21	0.078
1475201	Soil	1.0	16.9	10.9	84	0.1	23.5	10.7	278	2.91	19.8	1.0	5.9	5.8	12	0.2	0.9	0.2	66	0.12	0.028

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Page: 8 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1475222	Soil	20	29	1.08	307	0.152	1	2.27	0.010	0.18	0.2	0.03	2.9	0.2	<0.05	7	<0.5	<0.2
1475200	Soil	16	30	0.56	195	0.089	1	2.18	0.008	0.16	0.2	0.04	4.4	0.3	<0.05	6	<0.5	<0.2
1475301	Soil	11	111	1.81	313	0.182	2	2.86	0.008	0.48	0.1	<0.01	6.6	0.4	<0.05	9	<0.5	<0.2
1533894	Soil	16	27	0.36	291	0.039	2	1.31	0.009	0.06	0.2	0.44	3.7	1.0	<0.05	4	0.7	<0.2
1475204	Soil	62	30	0.74	301	0.104	<1	1.65	0.010	0.20	0.3	0.05	5.0	0.3	<0.05	5	<0.5	<0.2
1475216	Soil	26	27	0.49	186	0.078	<1	1.80	0.007	0.14	0.2	0.04	3.8	0.3	<0.05	5	<0.5	<0.2
1533843	Soil	41	47	0.48	288	0.071	1	1.26	0.007	0.25	0.7	0.05	5.9	0.5	0.09	4	0.8	<0.2
1533895	Soil	16	31	0.39	442	0.044	2	1.46	0.009	0.07	0.1	0.35	5.5	1.1	<0.05	5	1.4	<0.2
1475214	Soil	16	32	0.51	282	0.061	<1	1.84	0.009	0.06	0.2	0.03	3.7	0.2	<0.05	5	<0.5	<0.2
1475211	Soil	25	97	1.82	893	0.221	2	2.98	0.010	1.30	0.2	<0.01	13.2	0.9	<0.05	11	<0.5	<0.2
1475304	Soil	41	58	0.75	452	0.082	2	1.78	0.010	0.17	0.2	0.08	9.2	0.4	<0.05	5	<0.5	<0.2
1533779	Soil	24	23	0.29	175	0.040	1	1.07	0.006	0.08	0.1	0.10	3.0	0.3	<0.05	4	<0.5	<0.2
1475221	Soil	29	31	0.50	320	0.065	1	1.97	0.008	0.08	0.2	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
1533838	Soil	23	41	0.66	226	0.087	1	1.86	0.009	0.28	0.2	0.02	4.1	0.3	<0.05	5	<0.5	<0.2
1533839	Soil	14	33	0.38	139	0.062	1	1.65	0.007	0.14	0.1	0.04	3.2	0.2	<0.05	7	<0.5	<0.2
1533965	Soil	20	373	1.62	329	0.139	<1	2.60	0.008	0.51	<0.1	0.01	4.0	0.3	<0.05	8	<0.5	<0.2
1475220	Soil	21	33	0.47	261	0.059	<1	2.03	0.008	0.06	0.2	0.03	4.2	0.1	<0.05	5	<0.5	<0.2
1533785	Soil	24	30	0.41	191	0.061	1	1.58	0.006	0.14	0.1	0.25	4.3	0.5	<0.05	5	<0.5	<0.2
1533955	Soil	42	27	0.29	135	0.033	<1	1.10	0.006	0.16	0.1	0.04	5.4	0.5	0.05	4	<0.5	<0.2
1533964	Soil	27	144	1.11	333	0.105	1	1.97	0.010	0.28	0.2	0.05	4.5	0.3	<0.05	6	<0.5	<0.2
1533789	Soil	24	39	0.62	250	0.094	2	1.85	0.009	0.15	0.1	0.09	5.1	0.5	<0.05	6	<0.5	<0.2
1533794	Soil	23	31	0.65	334	0.068	3	1.62	0.011	0.12	0.1	0.37	6.2	0.6	<0.05	6	0.6	<0.2
1533951	Soil	20	32	0.53	221	0.069	1	1.60	0.008	0.10	0.2	0.03	4.2	0.2	<0.05	5	<0.5	<0.2
1533840	Soil	19	30	0.52	127	0.097	1	1.56	0.007	0.27	0.1	0.03	3.0	0.3	0.07	7	<0.5	<0.2
1533795	Soil	15	28	0.44	250	0.051	2	1.33	0.010	0.08	0.1	0.33	4.4	0.5	<0.05	5	1.0	<0.2
1533791	Soil	28	32	0.49	273	0.066	2	1.45	0.008	0.16	0.1	0.14	4.2	0.5	<0.05	6	<0.5	<0.2
1533953	Soil	46	44	0.76	283	0.089	1	1.97	0.007	0.26	0.2	0.02	5.9	0.3	<0.05	7	<0.5	<0.2
1533952	Soil	22	32	0.47	173	0.046	1	1.61	0.009	0.08	0.1	0.05	2.9	0.2	<0.05	5	0.6	<0.2
1533845	Soil	24	47	0.70	245	0.087	<1	1.70	0.010	0.26	0.1	0.05	3.7	0.4	0.05	6	0.5	<0.2
1475201	Soil	14	34	0.53	256	0.063	2	2.33	0.008	0.07	0.2	0.05	3.8	0.2	<0.05	6	<0.5	<0.2

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Page: 9 of 12

Part: 1 of 2

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	0.001
1475207	Soil	1.1	27.0	14.0	82	<0.1	28.4	13.5	521	3.20	8.1	1.5	1.1	9.1	21	0.1	0.9	0.1	59	0.32	0.070
1475210	Soil	1.5	24.2	12.0	121	0.2	28.8	20.2	993	6.38	3.6	1.5	<0.5	15.0	24	<0.1	1.1	<0.1	57	0.90	0.181
1533837	Soil	1.4	18.3	16.3	55	0.1	18.9	8.7	454	2.65	8.0	1.0	2.8	1.6	12	0.3	0.4	0.2	58	0.16	0.049
1475199	Soil	0.8	13.7	10.8	79	<0.1	15.7	8.3	525	3.15	8.4	1.6	1.5	12.4	10	<0.1	0.7	0.2	54	0.11	0.030
1475203	Soil	1.1	20.0	18.3	89	0.1	18.6	9.1	422	3.09	9.0	3.2	3.0	14.3	15	0.2	0.7	0.2	53	0.22	0.049
1475305	Soil	1.3	23.7	13.6	76	0.2	21.5	9.6	498	3.35	28.5	1.7	5.0	7.1	16	0.1	1.6	0.2	55	0.24	0.064
1533956	Soil	1.4	26.9	16.2	74	0.3	23.7	10.0	527	3.14	28.4	1.4	7.3	2.4	13	0.2	2.1	0.2	58	0.15	0.044
1475202	Soil	0.9	8.7	11.7	119	<0.1	14.9	8.8	456	4.04	7.4	2.4	1.9	12.5	8	<0.1	0.6	0.2	34	0.14	0.033
1475302	Soil	1.6	27.5	14.6	91	0.2	20.8	13.8	698	3.88	12.3	1.5	5.1	6.6	14	0.2	0.6	0.2	62	0.25	0.072
1475209	Soil	1.9	29.7	14.5	81	<0.1	24.8	12.2	590	3.85	28.9	1.0	2.5	7.1	12	0.2	1.9	0.2	65	0.12	0.033
1533960	Soil	1.7	29.6	14.1	84	0.1	24.4	13.6	674	3.46	13.2	1.4	5.9	6.5	15	0.2	0.8	0.2	60	0.18	0.055
1533842	Soil	2.7	40.0	15.7	79	0.3	22.9	9.9	390	3.46	25.8	1.6	4.9	6.7	17	<0.1	2.3	0.2	57	0.15	0.054
1475205	Soil	1.2	26.3	11.1	73	<0.1	28.8	10.8	387	2.84	30.7	3.6	3.4	8.1	15	<0.1	1.4	0.2	51	0.20	0.055
1475208	Soil	1.4	26.8	11.6	71	0.2	23.5	10.2	339	2.74	7.5	1.4	2.8	4.3	17	0.1	0.6	0.2	55	0.31	0.074
1533783	Soil	2.8	52.7	11.9	113	0.2	32.4	16.9	1138	3.00	24.7	2.2	3.4	7.0	12	0.5	1.5	0.3	46	0.08	0.047
1475212	Soil	1.5	30.1	26.5	109	<0.1	21.0	10.8	432	4.26	18.0	1.5	1.2	10.1	13	<0.1	2.1	0.1	58	0.18	0.034
1475206	Soil	1.0	22.9	9.7	55	0.1	21.5	9.6	287	2.39	8.5	1.5	1.8	3.6	17	<0.1	0.5	0.1	48	0.24	0.060
1533954	Soil	1.3	28.2	15.6	66	<0.1	21.3	9.1	348	2.98	39.5	1.3	3.5	3.4	13	0.1	2.0	0.2	52	0.12	0.039
1533892	Soil	1.9	26.8	10.6	52	0.7	16.5	4.3	90	2.38	66.5	1.4	6.2	0.9	13	0.3	2.0	0.2	48	0.10	0.079
1533896	Soil	1.0	27.2	6.6	83	0.3	22.2	8.0	150	2.22	34.3	1.2	3.1	1.1	14	0.4	1.4	<0.1	47	0.20	0.069
1475218	Soil	1.0	16.8	12.9	65	<0.1	16.7	8.4	320	2.62	15.4	2.7	4.7	15.8	12	<0.1	1.0	0.1	43	0.12	0.026
1475219	Soil	0.9	13.3	13.3	68	<0.1	17.4	9.1	388	2.97	12.0	1.1	4.8	12.1	12	<0.1	0.9	0.2	50	0.11	0.027
1533784	Soil	2.4	56.9	10.9	123	<0.1	39.0	12.4	640	3.30	13.4	2.0	2.0	10.7	8	0.4	1.0	0.3	40	0.10	0.052
1533797	Soil	3.9	46.2	11.3	52	0.5	12.4	4.3	151	1.89	39.1	2.6	8.5	3.4	13	0.1	1.7	0.2	55	0.09	0.069
1475215	Soil	0.9	19.6	11.2	57	<0.1	18.8	8.8	355	2.71	12.6	2.8	6.6	9.5	12	<0.1	0.7	0.2	53	0.13	0.038
1475213	Soil	1.6	50.7	14.7	71	0.1	25.5	9.8	500	3.19	133.2	3.2	1.7	6.8	14	0.2	5.7	0.2	44	0.07	0.033
1533777	Soil	2.1	33.9	11.9	104	0.5	28.1	11.2	349	3.06	23.7	2.1	4.5	5.1	15	0.3	1.5	0.2	53	0.18	0.055
1533792	Soil	1.4	30.0	6.0	131	0.2	33.4	15.4	390	3.17	34.1	1.3	2.6	3.3	14	0.4	1.4	<0.1	65	0.24	0.072
1475303	Soil	1.0	28.8	11.4	94	0.3	28.9	12.3	619	3.23	9.3	1.6	5.3	9.0	17	0.2	0.5	0.2	56	0.36	0.057
1475223	Soil	1.6	35.3	14.7	97	0.1	45.3	20.7	785	4.16	14.5	1.7	1.1	6.3	18	0.1	2.2	<0.1	72	0.32	0.070



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Report Date: September 02, 2017

Page: 9 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method Analyte Unit 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	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
1475207	Soil	47	80	1.05	328	0.122	<1	1.95	0.011	0.42	0.2	0.03	5.0	0.4	<0.05	6	<0.5	<0.2
1475210	Soil	48	71	1.45	503	0.094	<1	2.98	0.006	1.11	<0.1	0.03	8.3	0.8	<0.05	9	<0.5	<0.2
1533837	Soil	23	47	0.43	163	0.047	<1	1.42	0.007	0.11	0.1	0.04	2.4	0.2	<0.05	6	<0.5	<0.2
1475199	Soil	17	26	0.62	214	0.121	1	2.08	0.009	0.25	0.1	0.03	5.0	0.3	<0.05	8	<0.5	<0.2
1475203	Soil	81	30	0.71	197	0.105	1	1.84	0.010	0.20	0.2	0.03	4.6	0.3	<0.05	6	<0.5	<0.2
1475305	Soil	49	36	0.53	232	0.060	1	1.73	0.008	0.16	0.2	0.06	5.9	0.4	<0.05	6	<0.5	<0.2
1533956	Soil	33	38	0.49	246	0.042	1	1.52	0.007	0.09	0.2	0.09	5.9	0.3	<0.05	5	<0.5	<0.2
1475202	Soil	27	19	1.32	361	0.158	3	2.69	0.006	0.51	0.4	0.01	6.2	0.5	<0.05	10	<0.5	<0.2
1475302	Soil	54	42	0.93	245	0.090	3	2.08	0.007	0.39	0.1	0.03	6.3	0.4	<0.05	8	0.5	<0.2
1475209	Soil	19	39	0.74	224	0.098	1	1.95	0.006	0.21	0.2	0.03	4.6	0.3	<0.05	7	<0.5	<0.2
1533960	Soil	27	47	0.75	232	0.087	1	1.89	0.008	0.18	0.2	0.02	4.4	0.3	<0.05	6	<0.5	<0.2
1533842	Soil	24	69	0.74	229	0.089	2	1.55	0.008	0.34	0.2	0.02	4.3	0.6	0.11	5	<0.5	<0.2
1475205	Soil	33	49	0.65	264	0.070	<1	1.54	0.008	0.14	0.2	0.09	5.5	0.3	<0.05	5	<0.5	<0.2
1475208	Soil	25	54	0.75	237	0.078	1	1.66	0.009	0.16	0.2	0.03	4.2	0.2	<0.05	6	<0.5	<0.2
1533783	Soil	26	27	0.41	166	0.069	<1	1.21	0.006	0.24	0.1	0.06	4.4	0.5	<0.05	4	<0.5	<0.2
1475212	Soil	18	37	0.68	218	0.053	<1	2.77	0.004	0.43	0.1	0.02	7.5	0.7	<0.05	9	0.6	<0.2
1475206	Soil	27	70	0.64	276	0.060	<1	1.45	0.008	0.09	0.2	0.03	3.8	0.1	<0.05	5	<0.5	<0.2
1533954	Soil	26	28	0.43	161	0.037	<1	1.61	0.007	0.07	0.1	0.04	4.0	0.2	<0.05	5	<0.5	<0.2
1533892	Soil	15	28	0.30	259	0.024	<1	1.33	0.006	0.06	0.1	0.48	3.5	0.6	<0.05	5	1.0	<0.2
1533896	Soil	11	33	0.50	223	0.046	1	1.16	0.008	0.08	0.4	0.19	4.3	0.6	<0.05	4	0.5	<0.2
1475218	Soil	45	24	0.44	175	0.062	<1	1.74	0.006	0.15	0.2	0.15	4.3	0.3	<0.05	6	<0.5	<0.2
1475219	Soil	19	27	0.57	218	0.067	<1	2.01	0.007	0.13	0.3	0.02	4.4	0.2	<0.05	6	<0.5	<0.2
1533784	Soil	29	29	0.58	139	0.084	<1	1.36	0.005	0.42	0.1	0.03	4.6	0.7	<0.05	4	0.6	<0.2
1533797	Soil	17	23	0.26	208	0.033	<1	0.88	0.005	0.11	0.4	0.14	3.2	0.3	0.05	3	2.9	<0.2
1475215	Soil	34	31	0.51	346	0.066	<1	1.64	0.008	0.08	0.2	0.05	4.7	0.2	<0.05	5	<0.5	<0.2
1475213	Soil	41	22	0.24	166	0.027	<1	1.21	0.006	0.06	0.1	0.08	7.0	0.5	<0.05	3	0.5	<0.2
1533777	Soil	36	32	0.50	272	0.057	1	1.51	0.008	0.13	0.1	0.19	5.1	0.4	<0.05	5	<0.5	<0.2
1533792	Soil	18	33	0.74	455	0.074	<1	1.50	0.010	0.21	0.1	0.05	5.8	0.5	<0.05	5	<0.5	<0.2
1475303	Soil	57	47	0.87	312	0.090	1	1.74	0.011	0.20	0.3	0.05	6.1	0.3	<0.05	6	<0.5	<0.2
1475223	Soil	34	164	1.46	311	0.140	<1	2.47	0.009	0.39	0.2	0.03	5.0	0.4	<0.05	9	<0.5	<0.2



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Project: ERK
Report Date: September 02, 2017

Page: 10 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	0.001
1533787	Soil	3.9	56.7	14.4	105	0.2	28.1	14.9	917	3.61	41.0	1.8	<0.5	5.3	15	0.4	2.1	0.3	53	0.13	0.058
1533776	Soil	1.4	30.9	8.4	89	0.3	27.1	12.0	437	2.61	21.6	1.4	3.6	2.7	12	0.5	1.3	0.2	50	0.16	0.051
1533900	Soil	3.4	60.5	14.2	112	0.3	37.7	17.2	757	2.94	28.8	2.6	3.3	5.3	11	0.6	1.9	0.3	41	0.10	0.047
1533793	Soil	0.9	19.7	5.4	84	0.2	17.5	18.1	407	3.46	24.5	1.0	1.0	3.5	14	0.3	0.9	<0.1	79	0.27	0.069
1533780	Soil	3.4	58.4	14.8	102	0.4	30.6	16.1	880	2.77	22.9	2.7	5.4	5.0	13	0.6	1.6	0.3	41	0.08	0.050
1533786	Soil	2.7	46.0	12.1	77	0.5	24.5	11.3	512	2.40	17.9	2.3	3.8	2.9	11	0.4	1.0	0.2	42	0.10	0.057
1533782	Soil	2.3	42.7	9.9	99	0.2	29.3	11.8	402	2.72	22.7	1.8	2.4	5.3	14	0.3	1.7	0.2	45	0.13	0.047
1533788	Soil	1.8	28.5	11.7	97	0.4	26.3	14.9	664	2.89	28.7	1.6	3.8	3.0	15	0.5	1.2	0.2	53	0.15	0.054
1533899	Soil	3.4	62.8	14.6	119	0.3	39.0	18.7	833	3.11	31.0	2.7	4.0	6.3	12	0.5	2.0	0.4	42	0.10	0.049
1533790	Soil	1.3	22.8	9.2	92	0.4	22.2	10.2	245	2.86	33.8	1.5	3.4	2.9	14	0.4	2.5	0.2	58	0.20	0.067
1533893	Soil	2.1	31.6	10.7	80	0.9	20.2	7.3	222	2.73	70.6	1.7	7.7	0.9	16	0.3	2.5	0.2	57	0.14	0.083
1533778	Soil	2.8	17.8	11.9	41	0.3	11.6	4.2	350	2.21	30.7	0.6	0.9	2.0	9	0.2	1.5	0.3	59	0.07	0.047
1532055	Soil	2.9	49.0	28.9	79	0.9	25.1	8.7	331	2.81	48.0	2.6	14.6	4.6	17	0.3	4.3	0.4	62	0.18	0.085
1533898	Soil	1.3	31.2	7.6	145	0.3	41.9	16.3	607	3.03	23.2	1.2	3.0	3.9	15	0.4	1.4	0.1	61	0.24	0.055
1533781	Soil	3.1	58.8	16.5	122	0.3	41.0	15.2	731	3.13	24.5	3.1	3.5	7.5	14	0.5	1.4	0.4	51	0.13	0.062
1533897	Soil	2.1	34.5	15.4	247	<0.1	83.4	22.3	469	5.20	94.6	1.4	3.4	7.5	8	0.5	1.4	0.2	62	0.11	0.046
1532064	Soil	1.9	22.2	14.4	57	0.2	20.1	5.8	234	2.26	29.7	0.8	8.5	1.2	16	0.3	2.7	0.2	54	0.20	0.062
1532065	Soil	1.4	24.1	15.2	64	0.2	22.4	8.9	344	2.64	26.8	1.1	11.6	2.9	15	0.2	2.1	0.2	55	0.20	0.064
1532054	Soil	2.3	26.3	21.8	64	1.0	17.8	5.6	122	2.20	31.0	1.8	11.9	1.2	18	0.3	2.5	0.3	53	0.18	0.085
1532056	Soil	4.4	45.5	76.7	58	1.4	17.3	6.6	255	2.62	66.8	2.4	26.8	5.1	20	0.3	8.3	0.3	68	0.15	0.095
1532067	Soil	1.6	21.9	13.5	66	0.2	20.4	8.1	298	2.40	20.8	1.0	4.4	1.5	16	0.2	1.4	0.2	53	0.18	0.053
1532071	Soil	1.3	19.9	14.3	52	0.2	16.1	5.7	185	2.24	18.3	1.0	5.4	0.6	14	0.1	1.1	0.2	50	0.16	0.047
1532060	Soil	1.2	31.5	12.3	69	0.2	24.4	8.7	303	2.33	18.6	0.9	11.6	3.1	17	0.3	1.8	0.1	54	0.26	0.072
1532063	Soil	2.1	29.8	19.7	73	0.2	23.2	9.7	370	2.85	27.6	1.0	10.6	3.0	16	0.2	2.5	0.2	59	0.18	0.055
1520136	Soil	1.7	50.7	14.6	81	<0.1	32.6	15.5	783	2.70	20.0	1.3	5.3	2.5	15	0.3	1.4	0.2	50	0.20	0.076
1532072	Soil	1.4	25.6	19.7	66	0.4	20.6	8.5	298	2.65	18.9	1.5	12.7	2.0	17	<0.1	1.0	0.3	56	0.22	0.057
1532066	Soil	2.1	30.4	18.0	71	0.3	22.9	9.3	467	2.84	25.1	1.4	5.8	2.2	20	0.4	1.9	0.3	59	0.21	0.074
1532068	Soil	1.6	23.4	16.6	64	0.4	18.2	7.6	294	2.45	16.4	1.5	6.8	1.9	19	0.1	1.3	0.2	50	0.21	0.064
1532070	Soil	1.3	17.2	15.9	60	0.3	17.6	8.3	346	2.58	17.2	1.0	7.4	2.1	15	0.2	1.2	0.2	51	0.20	0.064
1532062	Soil	1.7	30.0	18.3	68	0.3	21.9	8.5	351	2.44	32.2	1.1	10.4	3.3	16	0.2	3.2	0.2	51	0.20	0.060

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



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Report Date: September 02, 2017

Page: 10 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1533787	Soil	21	28	0.51	224	0.064	<1	1.50	0.006	0.20	0.1	0.04	3.9	0.5	<0.05	5	<0.5	<0.2
1533776	Soil	21	35	0.47	292	0.051	2	1.24	0.008	0.12	0.1	0.12	4.7	0.4	<0.05	4	<0.5	<0.2
1533900	Soil	25	24	0.33	209	0.043	<1	1.11	0.005	0.15	0.1	0.12	4.6	0.4	<0.05	4	<0.5	<0.2
1533793	Soil	15	28	1.18	371	0.119	1	1.84	0.012	0.34	<0.1	0.06	6.3	0.3	<0.05	6	<0.5	<0.2
1533780	Soil	23	25	0.32	148	0.037	2	1.17	0.006	0.09	0.1	0.16	4.5	0.4	<0.05	4	<0.5	<0.2
1533786	Soil	28	25	0.35	194	0.037	1	1.29	0.007	0.11	0.1	0.22	4.2	0.4	<0.05	5	<0.5	<0.2
1533782	Soil	21	27	0.43	230	0.055	1	1.37	0.007	0.11	0.2	0.17	4.5	0.3	<0.05	4	<0.5	<0.2
1533788	Soil	26	32	0.45	250	0.047	1	1.56	0.007	0.10	0.1	0.19	4.3	0.4	<0.05	6	<0.5	<0.2
1533899	Soil	26	25	0.35	212	0.046	<1	1.18	0.005	0.17	0.2	0.12	4.9	0.4	<0.05	4	<0.5	<0.2
1533790	Soil	17	32	0.59	368	0.054	3	1.53	0.009	0.12	0.2	0.18	4.5	0.4	<0.05	5	<0.5	<0.2
1533893	Soil	13	30	0.38	292	0.028	2	1.57	0.009	0.06	0.1	0.60	4.6	0.9	<0.05	5	1.2	<0.2
1533778	Soil	11	17	0.16	120	0.050	<1	0.85	0.005	0.05	0.2	0.03	1.9	0.3	<0.05	6	<0.5	<0.2
1532055	Soil	17	51	0.52	264	0.052	2	1.44	0.007	0.13	0.6	0.26	5.7	0.3	<0.05	5	1.4	<0.2
1533898	Soil	15	37	0.66	315	0.072	2	1.49	0.008	0.16	0.1	0.08	5.6	0.6	<0.05	5	0.5	<0.2
1533781	Soil	40	35	0.43	269	0.061	3	1.39	0.006	0.21	0.2	0.16	5.8	0.5	<0.05	5	0.7	<0.2
1533897	Soil	15	39	0.65	144	0.100	2	1.75	0.006	0.31	0.1	0.03	5.0	1.3	<0.05	6	<0.5	<0.2
1532064	Soil	14	25	0.36	182	0.053	2	1.03	0.007	0.08	0.3	0.05	2.5	0.1	<0.05	5	<0.5	<0.2
1532065	Soil	16	32	0.48	194	0.053	2	1.56	0.008	0.07	0.4	0.06	3.9	0.1	<0.05	4	<0.5	<0.2
1532054	Soil	14	36	0.42	448	0.032	2	1.44	0.008	0.07	0.2	0.31	4.3	0.2	<0.05	5	0.9	<0.2
1532056	Soil	19	35	0.37	179	0.048	1	1.09	0.007	0.11	0.5	0.26	10.3	0.2	<0.05	4	1.4	<0.2
1532067	Soil	15	29	0.50	199	0.046	3	1.36	0.008	0.08	0.2	0.05	2.7	0.1	<0.05	5	0.5	<0.2
1532071	Soil	14	30	0.42	182	0.037	2	1.42	0.007	0.07	0.2	0.08	2.0	0.1	<0.05	6	<0.5	<0.2
1532060	Soil	14	27	0.45	131	0.061	2	1.17	0.009	0.07	0.4	0.09	3.2	0.1	<0.05	4	<0.5	<0.2
1532063	Soil	14	31	0.48	178	0.064	1	1.43	0.007	0.10	0.3	0.05	3.6	0.2	<0.05	5	<0.5	<0.2
1520136	Soil	15	28	0.51	126	0.057	2	1.40	0.007	0.09	0.2	0.02	3.0	0.2	<0.05	4	<0.5	<0.2
1532072	Soil	21	32	0.54	236	0.047	2	1.62	0.008	0.08	0.3	0.09	4.1	0.3	<0.05	6	<0.5	<0.2
1532066	Soil	18	32	0.41	268	0.053	1	1.35	0.008	0.09	0.4	0.06	4.3	0.1	<0.05	5	0.5	<0.2
1532068	Soil	19	30	0.50	305	0.051	2	1.45	0.009	0.10	0.3	0.09	3.9	0.2	<0.05	5	<0.5	<0.2
1532070	Soil	15	32	0.47	205	0.051	<1	1.38	0.007	0.11	0.3	0.08	3.1	0.1	<0.05	5	<0.5	<0.2
1532062	Soil	16	27	0.44	140	0.058	1	1.20	0.007	0.10	0.5	0.08	3.3	0.1	<0.05	4	<0.5	<0.2



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Project: ERK
Report Date: September 02, 2017

Page: 11 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	0.001
1532074	Soil	1.9	39.6	11.5	83	0.3	29.1	10.7	276	2.65	30.2	1.6	3.7	5.5	18	0.2	2.9	0.2	47	0.20	0.063
1520132	Soil	1.9	30.9	14.7	64	0.2	22.6	8.3	297	2.65	25.9	1.3	4.7	3.3	16	0.2	1.8	0.2	57	0.18	0.052
1520138	Soil	2.4	53.5	12.6	81	0.4	28.5	12.9	392	2.80	38.3	2.3	5.7	3.9	17	0.2	3.0	0.2	54	0.22	0.089
1520137	Soil	2.9	54.4	13.1	74	0.3	23.9	14.4	555	2.69	20.0	1.7	8.7	2.2	13	0.2	1.3	0.2	56	0.17	0.072
1533758	Soil	0.9	24.0	11.2	58	<0.1	21.5	8.5	297	2.44	23.4	0.9	2.0	3.8	15	<0.1	0.9	0.2	49	0.15	0.034
1533755	Soil	1.0	25.6	9.5	65	<0.1	22.1	8.8	327	2.51	36.0	0.9	3.0	3.2	14	0.2	1.2	0.2	53	0.17	0.056
1520135	Soil	2.6	48.9	11.0	71	0.3	29.8	13.7	486	3.33	20.0	1.5	3.3	4.7	10	0.2	1.4	0.2	61	0.08	0.047
1532059	Soil	2.2	34.6	21.0	62	<0.1	21.5	7.9	248	2.34	18.4	0.8	2.1	1.1	19	0.8	1.7	0.2	63	0.20	0.050
1533756	Soil	0.9	24.5	9.2	61	<0.1	21.1	9.0	346	2.44	29.9	0.9	4.2	3.0	14	0.2	1.1	0.1	50	0.16	0.048
1533874	Soil	0.9	22.7	9.5	58	<0.1	20.8	8.4	279	2.44	25.4	1.1	1.8	4.4	15	<0.1	1.0	0.1	47	0.16	0.038
1532073	Soil	1.8	31.2	18.1	60	0.3	20.2	7.7	258	2.54	25.9	1.3	8.2	1.9	15	<0.1	1.8	0.2	55	0.16	0.049
1520139	Soil	2.1	29.3	11.3	65	0.2	21.5	9.5	273	2.52	26.7	1.5	2.7	3.5	16	0.3	2.3	0.1	46	0.21	0.080
1532058	Soil	2.1	32.6	28.7	59	0.6	16.2	6.5	243	2.50	62.3	1.4	10.1	1.5	18	0.4	5.4	0.3	54	0.13	0.056
1533753	Soil	1.4	23.1	9.8	54	0.2	14.5	5.8	166	2.32	175.6	1.4	3.9	3.1	19	<0.1	7.6	0.2	49	0.15	0.102
1532069	Soil	1.3	16.5	13.9	54	0.5	16.1	6.3	171	2.33	18.2	1.2	3.8	0.6	14	0.2	0.8	0.2	50	0.14	0.058
1520140	Soil	2.3	40.0	12.5	73	0.5	31.8	11.4	449	2.80	29.0	1.5	4.8	2.6	16	0.2	2.1	0.3	60	0.20	0.068
1532057	Soil	2.8	48.2	31.7	59	0.5	19.5	8.5	339	2.68	62.3	2.0	11.5	4.4	18	0.3	5.4	0.3	56	0.14	0.074
1533870	Soil	1.1	26.1	11.2	65	0.2	27.3	9.7	262	2.61	18.7	1.1	2.3	2.2	16	0.2	0.6	0.2	52	0.17	0.048
1520134	Soil	3.3	47.6	20.5	94	0.4	26.3	7.8	254	3.08	61.7	2.2	6.4	5.8	24	0.3	7.4	0.3	53	0.10	0.046
1533754	Soil	1.1	10.4	9.8	53	<0.1	14.4	6.3	171	3.13	24.6	0.4	3.7	2.0	11	0.2	0.7	0.2	65	0.11	0.036
1532075	Soil	1.6	38.5	11.6	86	0.3	28.6	10.9	270	2.56	27.0	1.4	1.9	5.4	17	0.2	2.8	0.2	50	0.19	0.063
1533872	Soil	0.9	25.0	10.0	78	0.2	28.3	10.9	341	2.73	14.5	1.0	2.2	2.3	20	0.2	0.6	0.2	49	0.23	0.052
1533869	Soil	1.0	23.0	12.2	71	0.2	24.5	11.3	382	2.51	16.0	1.9	2.7	5.1	19	0.2	0.6	0.2	49	0.24	0.041
1533871	Soil	0.8	21.5	10.2	68	0.2	27.8	9.7	215	2.36	17.3	0.9	1.2	2.4	16	0.2	0.7	0.2	49	0.21	0.049
1533757	Soil	0.9	23.0	9.5	56	<0.1	20.2	7.6	219	2.27	25.9	0.9	<0.5	1.4	15	0.1	1.0	0.2	53	0.17	0.050
1533875	Soil	0.8	22.7	9.5	58	<0.1	21.0	8.9	268	2.47	25.1	1.0	0.8	4.1	15	0.1	1.0	0.2	51	0.16	0.037
1533864	Soil	0.9	24.2	11.3	67	0.1	19.5	7.8	227	2.36	16.8	0.9	2.9	4.3	13	0.1	0.7	0.2	45	0.13	0.042
1520133	Soil	1.5	31.2	12.5	54	0.2	19.5	7.0	220	2.29	13.2	1.0	2.2	0.8	14	0.2	1.1	0.2	52	0.14	0.048
1532431	Soil	1.7	34.7	9.2	82	0.1	27.2	12.5	518	2.68	14.0	1.4	5.9	5.6	11	0.3	1.0	0.2	47	0.12	0.039
1532052	Soil	2.1	27.2	18.4	43	0.6	12.9	3.7	94	1.87	25.8	1.7	3.4	0.5	14	0.2	2.6	0.2	47	0.13	0.063



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Report Date: September 02, 2017

Page: 11 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method Analyte	Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	TI ppm	S %	Ga ppm	Se ppm	Te ppm
1532074	Soil	18	35	0.58	201	0.073	2	1.27	0.008	0.10	0.2	0.10	4.0	0.3	<0.05	4	<0.5	<0.2
1520132	Soil	16	30	0.52	199	0.056	2	1.61	0.008	0.09	0.4	0.06	4.1	0.2	<0.05	4	<0.5	<0.2
1520138	Soil	19	32	0.53	161	0.055	2	1.66	0.008	0.08	0.2	0.18	4.4	0.3	<0.05	5	<0.5	<0.2
1520137	Soil	16	31	0.54	145	0.049	1	1.57	0.007	0.09	0.2	0.06	3.4	0.3	<0.05	5	<0.5	<0.2
1533758	Soil	17	31	0.45	201	0.051	1	1.56	0.007	0.06	0.2	0.13	4.4	0.1	<0.05	5	<0.5	<0.2
1533755	Soil	15	29	0.46	159	0.049	1	1.53	0.007	0.05	0.2	0.24	3.8	0.1	<0.05	5	<0.5	<0.2
1520135	Soil	15	29	0.34	94	0.058	1	1.77	0.006	0.10	0.2	0.07	3.5	0.3	<0.05	6	<0.5	<0.2
1532059	Soil	11	26	0.43	145	0.069	1	1.02	0.007	0.10	0.2	0.02	3.2	0.1	<0.05	5	<0.5	<0.2
1533756	Soil	14	29	0.46	181	0.046	1	1.49	0.007	0.05	0.2	0.23	4.0	0.1	<0.05	4	<0.5	<0.2
1533874	Soil	16	31	0.50	165	0.053	1	1.59	0.007	0.05	0.2	0.22	4.1	0.2	<0.05	5	<0.5	<0.2
1532073	Soil	16	30	0.45	183	0.046	<1	1.53	0.007	0.08	0.3	0.11	3.8	0.2	<0.05	5	<0.5	<0.2
1520139	Soil	16	26	0.43	165	0.051	2	1.27	0.007	0.06	0.3	0.14	3.3	0.3	<0.05	4	<0.5	<0.2
1532058	Soil	16	27	0.37	158	0.040	1	1.24	0.006	0.10	0.3	0.19	3.1	0.1	0.05	5	0.5	<0.2
1533753	Soil	13	26	0.30	105	0.041	2	0.89	0.007	0.06	0.4	0.79	3.9	0.4	<0.05	4	<0.5	<0.2
1532069	Soil	19	30	0.42	293	0.035	1	1.48	0.007	0.08	0.3	0.13	2.7	0.2	<0.05	6	0.5	<0.2
1520140	Soil	16	51	0.66	181	0.064	2	1.65	0.007	0.11	0.2	0.10	3.8	0.3	<0.05	6	<0.5	<0.2
1532057	Soil	17	30	0.42	134	0.052	<1	1.18	0.007	0.13	0.4	0.08	4.5	0.3	0.06	4	0.6	<0.2
1533870	Soil	16	37	0.38	223	0.034	1	1.46	0.006	0.06	0.2	0.14	3.9	0.2	<0.05	5	<0.5	<0.2
1520134	Soil	18	25	0.37	178	0.034	<1	1.22	0.007	0.12	0.2	0.08	3.0	0.5	0.11	3	0.9	<0.2
1533754	Soil	9	29	0.39	121	0.041	1	1.83	0.006	0.03	0.2	0.10	2.6	0.1	<0.05	5	<0.5	<0.2
1532075	Soil	17	36	0.54	170	0.066	1	1.27	0.008	0.09	0.2	0.11	3.8	0.3	<0.05	4	<0.5	<0.2
1533872	Soil	18	34	0.46	272	0.046	2	1.51	0.011	0.06	0.1	0.11	4.8	0.3	<0.05	5	<0.5	<0.2
1533869	Soil	25	31	0.37	251	0.036	2	1.38	0.007	0.07	0.2	0.10	4.4	0.2	<0.05	4	<0.5	<0.2
1533871	Soil	15	32	0.41	242	0.038	2	1.43	0.008	0.07	0.2	0.10	3.9	0.2	<0.05	4	<0.5	<0.2
1533757	Soil	14	29	0.44	179	0.039	1	1.48	0.008	0.05	0.2	0.20	3.3	0.2	<0.05	5	<0.5	<0.2
1533875	Soil	16	31	0.46	167	0.050	<1	1.52	0.007	0.05	0.2	0.20	3.9	0.2	<0.05	4	<0.5	<0.2
1533864	Soil	16	25	0.34	161	0.040	<1	1.13	0.006	0.05	0.1	0.11	3.3	0.2	<0.05	3	<0.5	<0.2
1520133	Soil	14	26	0.44	154	0.033	1	1.45	0.007	0.08	0.2	0.05	2.3	0.2	<0.05	5	<0.5	<0.2
1532431	Soil	19	25	0.46	166	0.073	<1	1.39	0.007	0.23	0.1	0.05	3.4	0.4	<0.05	5	<0.5	<0.2
1532052	Soil	13	32	0.37	166	0.027	1	1.32	0.007	0.06	0.1	0.27	2.3	0.3	<0.05	5	0.6	<0.2



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Report Date: September 02, 2017

Page: 12 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1532053	Soil	2.0	23.4	20.3	50	0.7	14.6	4.1	101	1.84	24.8	1.5	3.9	0.9	15	0.2	2.3	0.3	47	0.14	0.056
1533867	Soil	1.2	44.4	11.8	60	0.2	76.9	16.3	373	3.18	59.0	1.8	2.3	5.9	13	<0.1	1.8	0.2	55	0.08	0.023
1533752	Soil	1.6	28.8	13.0	65	0.4	21.0	7.1	175	2.61	141.0	1.9	3.3	1.6	31	0.2	3.3	0.2	54	0.24	0.107
1533855	Soil	1.1	17.3	12.6	46	<0.1	16.4	7.0	180	2.84	63.8	0.8	<0.5	3.2	13	<0.1	1.2	0.2	61	0.12	0.048
1532061	Soil	2.1	27.1	17.0	49	0.2	16.5	6.1	212	2.13	31.0	1.0	6.0	1.0	15	0.2	2.6	0.2	50	0.13	0.050
1533868	Soil	0.8	23.3	13.2	76	0.1	22.8	7.9	268	2.28	13.7	2.1	<0.5	6.5	19	0.2	1.0	0.2	39	0.26	0.064
1533862	Soil	1.0	23.2	9.7	67	0.1	21.2	9.3	296	2.53	17.9	1.0	7.2	4.3	15	0.2	0.7	0.1	50	0.15	0.044
1533861	Soil	1.9	27.6	14.2	80	0.3	24.5	11.1	417	3.52	34.6	1.3	8.9	2.0	17	0.1	0.9	0.3	65	0.15	0.080
1533865	Soil	1.0	26.2	10.6	52	0.1	37.4	8.8	260	2.20	69.2	1.2	2.5	4.2	17	<0.1	2.0	0.2	40	0.10	0.028
1533866	Soil	1.3	16.2	12.5	53	0.1	18.5	7.8	326	2.63	18.7	0.7	0.9	3.7	15	0.2	0.7	0.2	59	0.14	0.032
1533857	Soil	1.7	35.3	19.7	58	0.5	16.7	6.7	189	2.54	81.3	2.0	19.4	10.7	26	<0.1	1.0	0.3	25	0.02	0.042
1533859	Soil	1.1	23.7	9.5	39	0.2	13.3	5.1	126	1.95	54.4	1.1	21.1	3.0	14	0.1	0.7	0.2	40	0.13	0.059
1533751	Soil	0.8	16.1	12.5	52	0.3	17.2	4.9	84	2.13	79.9	1.1	2.2	0.9	23	0.2	1.2	0.2	43	0.18	0.075
1533863	Soil	1.1	27.1	11.5	68	0.1	20.7	8.6	226	2.53	21.0	1.3	63.9	5.5	16	0.1	0.8	0.2	47	0.16	0.050
1533853	Soil	1.1	22.6	13.9	74	<0.1	24.0	11.3	657	2.64	27.6	0.9	3.3	2.4	11	<0.1	1.1	0.2	60	0.10	0.064
1533858	Soil	1.0	23.5	12.6	65	0.2	21.5	8.7	282	2.82	139.2	1.1	39.1	3.5	15	0.3	1.3	0.2	57	0.16	0.076
1533854	Soil	1.2	23.9	11.9	75	<0.1	23.7	9.8	336	3.49	182.6	1.1	2.4	1.9	11	0.2	2.8	0.2	59	0.10	0.047
1533856	Soil	0.8	25.4	11.4	44	0.1	17.3	7.7	229	2.12	42.8	1.9	7.3	5.5	17	<0.1	1.0	0.2	42	0.12	0.039
1533873	Soil	0.9	18.0	9.5	67	0.2	19.6	8.1	182	2.57	35.6	0.8	4.5	2.6	17	0.2	0.8	0.2	50	0.19	0.057
1533860	Soil	1.1	26.8	12.9	66	0.2	18.9	6.9	201	2.28	59.5	1.3	12.7	3.6	16	0.2	0.9	0.2	47	0.15	0.067



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Project: ERK

Report Date: September 02, 2017

Page: 12 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000529.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2
1532053	Soil	14	36	0.42	173	0.031	1	1.23	0.008	0.06	0.2	0.27	3.1	0.3	<0.05	4	0.7	<0.2
1533867	Soil	20	72	0.39	168	0.037	<1	1.56	0.006	0.05	0.2	0.36	8.7	0.4	<0.05	4	<0.5	<0.2
1533752	Soil	17	33	0.38	360	0.026	2	1.80	0.008	0.07	0.2	1.13	5.5	0.4	<0.05	5	0.6	<0.2
1533855	Soil	14	31	0.36	190	0.036	<1	1.74	0.007	0.05	0.2	0.15	4.1	0.3	<0.05	6	<0.5	<0.2
1532061	Soil	14	24	0.33	133	0.040	1	1.05	0.008	0.08	0.4	0.06	2.6	0.1	<0.05	4	<0.5	<0.2
1533868	Soil	20	26	0.38	208	0.047	<1	0.99	0.010	0.06	0.1	0.13	3.7	0.3	<0.05	3	<0.5	<0.2
1533862	Soil	15	26	0.36	189	0.045	<1	1.19	0.007	0.05	0.2	0.09	3.6	0.2	<0.05	4	<0.5	<0.2
1533861	Soil	17	36	0.41	253	0.036	1	1.86	0.008	0.08	0.2	0.14	4.3	0.4	<0.05	6	0.6	<0.2
1533865	Soil	17	35	0.24	150	0.024	<1	0.94	0.005	0.04	0.1	0.36	3.8	0.3	<0.05	3	<0.5	<0.2
1533866	Soil	13	30	0.33	170	0.036	<1	1.49	0.006	0.05	0.2	0.04	3.1	0.2	<0.05	5	<0.5	<0.2
1533857	Soil	20	13	0.01	92	<0.001	<1	0.20	0.002	0.08	0.2	0.20	3.9	0.9	0.07	1	0.5	<0.2
1533859	Soil	19	21	0.19	88	0.033	<1	0.85	0.005	0.05	0.3	0.15	2.4	0.2	<0.05	3	0.6	<0.2
1533751	Soil	14	30	0.34	234	0.022	1	1.52	0.008	0.05	0.2	0.75	3.2	0.4	<0.05	5	0.6	<0.2
1533863	Soil	19	26	0.35	184	0.049	<1	1.13	0.008	0.05	0.2	0.13	3.8	0.2	<0.05	4	<0.5	<0.2
1533853	Soil	16	30	0.32	120	0.036	<1	1.43	0.006	0.05	0.2	0.19	4.1	0.4	<0.05	6	<0.5	<0.2
1533858	Soil	17	29	0.40	131	0.041	1	1.39	0.007	0.06	0.3	0.26	3.2	0.2	<0.05	4	0.5	<0.2
1533854	Soil	16	34	0.42	164	0.034	<1	1.73	0.007	0.05	0.1	0.48	3.9	0.7	<0.05	5	<0.5	<0.2
1533856	Soil	22	23	0.34	213	0.028	<1	1.15	0.007	0.05	0.2	0.17	4.3	0.3	<0.05	3	<0.5	<0.2
1533873	Soil	12	26	0.40	192	0.038	<1	1.29	0.008	0.05	0.2	0.13	3.2	0.2	<0.05	4	<0.5	<0.2
1533860	Soil	17	24	0.31	160	0.037	<1	1.09	0.007	0.05	0.2	0.14	3.5	0.3	<0.05	3	0.5	<0.2



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Project: ERK

Report Date: September 02, 2017

Page: 1 of 2

Part: 1 of 2

QUALITY CONTROL REPORT

WHI17000529.1

Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1475427	Soil	2.3	76.0	14.1	102	0.5	16.6	6.1	198	2.84	16.9	3.3	7.6	9.4	18	0.4	1.3	0.2	68	0.14	0.089
REP 1475427	QC	2.5	76.3	14.2	103	0.5	16.7	5.7	209	2.95	17.2	3.3	8.0	9.5	19	0.3	1.4	0.2	70	0.15	0.087
1534381	Soil	1.4	20.8	8.9	76	0.2	19.5	8.7	184	2.52	14.5	1.0	12.6	3.9	18	0.2	1.5	0.2	51	0.23	0.089
REP 1534381	QC	1.4	21.0	9.0	76	0.2	19.5	9.0	185	2.61	14.5	1.0	7.2	3.9	19	0.3	1.5	0.1	52	0.23	0.092
1532284	Soil	1.5	14.0	13.0	61	0.2	17.3	8.2	553	2.69	9.7	1.0	5.9	10.6	14	0.2	0.5	0.2	56	0.14	0.028
REP 1532284	QC	1.6	13.7	13.0	62	0.3	17.2	8.0	561	2.83	9.7	1.0	3.7	10.5	13	0.2	0.6	0.2	55	0.14	0.028
1534461	Soil	0.9	19.0	10.6	69	0.1	18.5	8.1	220	2.60	10.4	1.1	0.8	3.5	16	0.2	0.6	0.2	51	0.22	0.063
REP 1534461	QC	1.0	19.1	10.8	73	0.1	18.2	7.9	205	2.52	10.3	1.0	<0.5	3.5	16	0.2	0.6	0.2	50	0.20	0.066
1533208	Soil	1.2	20.1	11.0	70	0.1	20.5	8.8	322	2.74	29.2	1.0	1.4	3.7	15	0.2	0.9	0.2	56	0.20	0.050
REP 1533208	QC	1.1	20.3	11.1	71	<0.1	20.0	9.0	326	2.67	29.2	1.0	1.4	4.0	15	0.1	0.8	0.1	55	0.20	0.049
1475214	Soil	1.0	15.2	10.9	55	0.1	19.4	8.8	314	2.68	13.2	1.3	3.6	6.2	14	<0.1	0.6	0.2	57	0.17	0.036
REP 1475214	QC	1.0	16.0	11.0	55	0.1	19.9	8.7	333	2.88	13.6	1.3	2.5	6.2	14	<0.1	0.6	0.2	60	0.19	0.036
1533783	Soil	2.8	52.7	11.9	113	0.2	32.4	16.9	1138	3.00	24.7	2.2	3.4	7.0	12	0.5	1.5	0.3	46	0.08	0.047
REP 1533783	QC	2.9	51.2	12.0	115	0.2	32.6	17.4	1109	3.04	25.3	2.2	2.2	7.2	13	0.5	1.7	0.3	47	0.09	0.050
1532067	Soil	1.6	21.9	13.5	66	0.2	20.4	8.1	298	2.40	20.8	1.0	4.4	1.5	16	0.2	1.4	0.2	53	0.18	0.053
REP 1532067	QC	1.5	22.0	13.6	65	0.2	18.6	7.9	303	2.34	20.2	1.1	5.0	1.5	15	0.2	1.4	0.1	51	0.17	0.054
1533875	Soil	0.8	22.7	9.5	58	<0.1	21.0	8.9	268	2.47	25.1	1.0	0.8	4.1	15	0.1	1.0	0.2	51	0.16	0.037
REP 1533875	QC	0.8	23.2	9.6	53	<0.1	20.7	8.4	257	2.39	25.6	1.0	1.9	4.3	15	0.2	1.0	0.2	49	0.16	0.037
Reference Materials																					
STD DS11	Standard	13.5	143.9	137.2	345	1.7	77.3	13.5	1037	3.15	42.3	2.5	106.4	7.2	61	2.2	8.5	11.8	51	1.01	0.074
STD DS11	Standard	13.1	148.9	136.4	331	1.7	74.7	13.1	935	2.95	42.3	2.4	74.0	7.4	62	2.3	8.5	11.0	50	1.02	0.070
STD DS11	Standard	13.1	147.2	132.2	326	1.7	76.9	13.5	1026	3.03	41.4	2.6	60.8	6.9	60	2.2	8.2	10.6	48	0.93	0.069
STD DS11	Standard	12.4	149.2	137.6	326	1.7	76.6	13.6	999	2.94	41.8	2.5	67.5	7.1	62	2.3	8.1	10.9	50	0.97	0.071
STD DS11	Standard	14.0	148.9	137.5	343	1.7	78.7	13.7	1022	3.18	43.2	2.5	82.1	7.5	62	2.3	8.4	10.6	51	1.01	0.070
STD DS11	Standard	12.7	144.2	129.4	337	1.7	75.4	13.2	983	2.91	41.3	2.4	72.5	7.0	58	2.2	8.2	10.3	45	0.96	0.066
STD DS11	Standard	13.9	150.2	136.3	337	1.7	80.0	14.4	981	3.09	42.3	2.5	62.5	7.5	61	2.2	8.3	10.3	50	1.04	0.070
STD DS11	Standard	13.2	139.8	131.3	305	1.6	78.1	13.4	947	2.98	39.8	2.2	73.7	6.8	57	2.5	8.1	11.1	50	0.96	0.068
STD DS11	Standard	13.5	139.3	138.4	321	1.7	80.1	13.8	1048	3.16	43.5	2.6	74.6	7.6	62	2.3	8.9	11.1	49	1.03	0.071



QUALITY CONTROL REPORT

WHI17000529.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
1475427	Soil	36	45	0.80	291	0.103	<1	1.69	0.010	0.58	0.2	0.07	4.6	0.8	0.14	6	1.3	<0.2	
REP 1475427	QC	36	45	0.83	289	0.107	1	1.78	0.009	0.59	0.3	0.08	4.6	0.8	0.17	5	1.6	<0.2	
1534381	Soil	17	25	0.41	414	0.057	1	1.08	0.008	0.08	0.3	0.17	3.4	0.2	<0.05	4	<0.5	<0.2	
REP 1534381	QC	19	26	0.43	442	0.059	2	1.17	0.008	0.07	0.4	0.17	3.5	0.3	<0.05	4	0.6	<0.2	
1532284	Soil	27	30	0.40	320	0.063	2	1.62	0.007	0.15	0.2	0.08	3.6	0.2	<0.05	6	<0.5	<0.2	
REP 1532284	QC	26	29	0.41	320	0.060	2	1.60	0.008	0.15	0.2	0.07	3.7	0.2	<0.05	6	<0.5	<0.2	
1534461	Soil	19	27	0.45	204	0.052	1	1.54	0.008	0.06	0.2	0.05	3.3	0.1	<0.05	5	<0.5	<0.2	
REP 1534461	QC	18	27	0.44	198	0.050	<1	1.50	0.008	0.06	0.2	0.05	3.2	0.1	<0.05	5	<0.5	<0.2	
1533208	Soil	19	32	0.54	221	0.055	<1	1.66	0.008	0.08	0.1	0.03	4.7	0.2	<0.05	6	<0.5	<0.2	
REP 1533208	QC	18	31	0.52	216	0.054	2	1.59	0.008	0.08	0.2	0.04	4.6	0.2	<0.05	6	<0.5	<0.2	
1475214	Soil	16	32	0.51	282	0.061	<1	1.84	0.009	0.06	0.2	0.03	3.7	0.2	<0.05	5	<0.5	<0.2	
REP 1475214	QC	17	33	0.52	295	0.068	1	1.91	0.010	0.06	0.2	0.03	3.9	0.2	<0.05	6	<0.5	<0.2	
1533783	Soil	26	27	0.41	166	0.069	<1	1.21	0.006	0.24	0.1	0.06	4.4	0.5	<0.05	4	<0.5	<0.2	
REP 1533783	QC	27	27	0.42	168	0.070	<1	1.31	0.006	0.24	0.1	0.08	4.4	0.5	<0.05	4	<0.5	<0.2	
1532067	Soil	15	29	0.50	199	0.046	3	1.36	0.008	0.08	0.2	0.05	2.7	0.1	<0.05	5	0.5	<0.2	
REP 1532067	QC	15	28	0.46	194	0.043	1	1.39	0.008	0.08	0.2	0.04	2.8	0.1	<0.05	5	<0.5	<0.2	
1533875	Soil	16	31	0.46	167	0.050	<1	1.52	0.007	0.05	0.2	0.20	3.9	0.2	<0.05	4	<0.5	<0.2	
REP 1533875	QC	16	31	0.48	164	0.051	<1	1.57	0.008	0.05	0.2	0.23	4.1	0.2	<0.05	4	<0.5	<0.2	
Reference Materials																			
STD DS11	Standard	17	59	0.81	360	0.087	6	1.04	0.068	0.39	3.0	0.28	3.0	4.9	0.27	4	1.9	4.7	
STD DS11	Standard	17	57	0.82	372	0.084	6	1.09	0.068	0.38	3.2	0.25	3.2	4.7	0.22	4	2.1	4.8	
STD DS11	Standard	16	57	0.80	359	0.082	6	1.05	0.067	0.38	3.0	0.26	3.0	4.7	0.28	5	1.9	4.9	
STD DS11	Standard	17	57	0.80	367	0.085	7	1.08	0.065	0.39	3.0	0.29	3.0	4.7	0.25	4	2.4	4.5	
STD DS11	Standard	17	61	0.85	359	0.088	8	1.08	0.075	0.41	3.1	0.29	3.4	5.0	0.27	5	2.2	4.8	
STD DS11	Standard	16	56	0.81	350	0.081	6	1.07	0.065	0.39	3.1	0.25	3.0	4.7	0.27	5	2.0	4.5	
STD DS11	Standard	18	60	0.81	378	0.090	8	1.08	0.068	0.38	3.1	0.25	3.1	5.0	0.29	5	2.1	4.9	
STD DS11	Standard	17	58	0.77	336	0.081	7	1.03	0.071	0.37	3.1	0.27	2.9	4.7	0.26	5	1.9	4.5	
STD DS11	Standard	18	61	0.80	360	0.092	6	1.13	0.071	0.38	3.3	0.25	3.1	4.8	0.26	4	2.6	4.4	



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Project: ERK

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Page: 2 of 2

Part: 1 of 2

QUALITY CONTROL REPORT

WHI17000529.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD OXC129	Standard	1.3	26.8	6.2	41	<0.1	74.5	20.4	404	2.97	0.7	0.6	195.3	1.7	177	<0.1	<0.1	<0.1	52	0.60	0.101
STD OXC129	Standard	1.1	28.2	6.3	41	<0.1	79.6	20.1	428	3.04	<0.5	0.7	194.7	1.8	179	<0.1	<0.1	<0.1	51	0.63	0.102
STD OXC129	Standard	1.2	31.0	6.3	42	<0.1	77.3	20.1	406	3.03	0.6	0.7	191.3	1.8	186	<0.1	<0.1	<0.1	53	0.64	0.106
STD OXC129	Standard	1.2	29.1	6.3	44	<0.1	79.5	20.1	421	3.03	0.7	0.7	210.8	1.8	182	<0.1	<0.1	<0.1	55	0.64	0.102
STD OXC129	Standard	1.1	27.4	6.2	44	<0.1	81.2	20.3	445	3.12	1.2	0.7	204.8	1.9	194	<0.1	<0.1	<0.1	54	0.67	0.104
STD OXC129	Standard	1.1	27.3	6.0	42	<0.1	76.0	21.0	416	2.98	<0.5	0.6	183.9	1.7	161	<0.1	<0.1	<0.1	54	0.63	0.103
STD OXC129	Standard	1.4	27.8	6.3	42	<0.1	79.9	20.0	418	3.04	<0.5	0.6	210.5	1.7	175	<0.1	<0.1	<0.1	52	0.68	0.098
STD OXC129	Standard	1.1	26.4	5.9	40	<0.1	75.1	20.0	400	2.80	<0.5	0.6	197.1	1.6	169	<0.1	<0.1	<0.1	50	0.57	0.095
STD OXC129	Standard	1.3	25.1	6.2	41	<0.1	74.3	19.7	409	3.04	0.8	0.7	184.1	1.9	188	<0.1	<0.1	<0.1	52	0.70	0.100
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	0.72	195	1.9					51	0.665	0.102
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



QUALITY CONTROL REPORT

WHI17000529.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD OXC129	Standard	12	50	1.47	49	0.386	<1	1.35	0.560	0.35	<0.1	<0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	50	1.51	48	0.381	1	1.50	0.572	0.38	0.1	<0.01	1.5	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	51	1.52	49	0.392	<1	1.56	0.601	0.35	<0.1	<0.01	1.2	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	13	53	1.58	49	0.401	<1	1.53	0.571	0.35	<0.1	<0.01	1.2	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	52	1.49	47	0.410	2	1.48	0.566	0.36	0.1	<0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	50	1.48	47	0.388	<1	1.47	0.558	0.36	<0.1	<0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	52	1.51	47	0.396	<1	1.50	0.569	0.34	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	11	49	1.40	44	0.354	<1	1.39	0.548	0.32	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	52	1.43	48	0.404	<1	1.55	0.625	0.33	<0.1	<0.01	1.3	<0.1	<0.05	6	<0.5	<0.2
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
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



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Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: August 09, 2017
Report Date: September 05, 2017
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI17000530.1

CLIENT JOB INFORMATION

Project: ERK
Shipment ID: ERK-20170806-001-SOIL
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

Invoice To: Ground Truth Exploration Inc.
Box 70
Dawson Yukon Y0B 1G0
Canada

CC: Isaac Fage
Jodie Gibson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	320	Per sample shipping charges for branch shipments			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. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: ERK

Report Date: September 05, 2017

Page: 2 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1532430	Soil	1.7	42.5	11.2	95	<0.1	31.9	15.0	547	3.04	14.3	1.2	5.6	7.2	10	0.4	1.3	0.3	41	0.13	0.044
1532413	Soil	2.2	46.0	10.8	98	0.3	77.0	12.4	559	2.82	29.8	2.0	4.8	5.0	17	0.5	1.7	0.2	53	0.23	0.037
1532418	Soil	0.9	10.8	30.3	109	0.5	14.4	12.4	458	3.73	2.7	2.7	7.1	24.2	15	0.2	0.3	0.6	44	0.42	0.127
1532422	Soil	1.4	20.2	10.1	66	0.2	18.8	8.6	295	2.23	10.7	2.1	2.2	5.1	22	0.2	0.6	0.2	39	0.42	0.067
1532412	Soil	2.5	22.3	10.4	76	0.2	19.4	9.2	311	2.48	18.6	1.2	2.0	3.8	22	0.3	1.0	0.2	43	0.30	0.065
1532416	Soil	1.5	22.7	10.5	70	0.2	21.5	11.7	406	2.38	10.9	4.6	2.6	4.6	25	0.4	0.7	0.2	46	0.43	0.073
1532421	Soil	1.4	21.1	14.6	65	0.6	27.4	11.4	488	2.97	13.2	0.6	2.0	4.9	20	0.1	0.9	0.3	57	0.26	0.030
1532423	Soil	1.3	25.4	11.5	70	<0.1	21.5	8.3	302	2.49	9.0	1.1	5.7	6.7	23	0.2	0.7	0.2	47	0.28	0.063
1532411	Soil	4.5	50.0	11.4	134	0.6	35.5	18.7	974	2.86	19.9	2.0	4.2	2.6	22	0.7	1.0	0.2	56	0.17	0.088
1532415	Soil	1.0	26.6	14.1	82	0.2	22.1	9.9	344	2.58	21.2	1.7	3.7	6.0	15	0.3	1.0	0.2	43	0.17	0.055
1532419	Soil	3.7	61.7	11.8	102	0.2	42.6	13.5	660	3.78	24.6	2.0	1.5	6.2	20	0.2	1.8	0.3	63	0.17	0.033
1532425	Soil	1.0	17.5	9.4	67	0.2	20.0	10.3	331	3.19	7.0	0.9	1.1	9.4	16	0.1	0.4	0.2	51	0.25	0.071
1532414	Soil	1.3	31.1	13.5	85	0.2	25.1	11.0	558	2.62	25.8	1.8	5.1	4.9	13	0.3	1.1	0.2	44	0.12	0.052
1532417	Soil	1.6	30.1	12.7	101	0.1	27.4	9.0	372	2.64	15.2	1.6	<0.5	9.8	17	0.4	1.2	0.2	46	0.26	0.058
1532420	Soil	2.6	48.9	10.1	79	0.9	36.4	10.7	821	2.95	17.1	1.5	4.2	4.6	21	0.5	1.2	0.2	63	0.21	0.030
1532424	Soil	0.9	16.2	10.1	65	0.2	18.4	9.9	335	3.01	7.5	0.7	0.5	8.1	17	<0.1	0.5	0.1	54	0.22	0.051
1532429	Soil	2.0	44.5	37.2	116	0.2	29.8	13.1	445	3.29	29.1	1.8	66.5	7.3	18	0.2	4.5	0.6	53	0.22	0.074
1532427	Soil	2.3	22.6	11.6	78	0.3	24.0	12.6	533	2.18	12.1	24.7	4.2	3.2	32	0.6	0.8	0.2	41	0.68	0.165
1532405	Soil	1.2	24.4	13.2	123	0.1	21.1	14.2	581	4.02	11.5	1.6	<0.5	9.9	22	0.2	0.8	0.2	66	0.47	0.128
1532408	Soil	1.8	27.5	11.6	97	0.2	29.2	18.8	833	4.43	26.3	2.2	3.6	4.9	20	0.3	1.1	0.2	91	0.50	0.073
1532428	Soil	2.1	42.3	33.3	111	0.4	25.8	13.2	486	3.37	21.0	2.7	3.6	9.1	16	0.3	3.3	0.6	57	0.20	0.073
1532403	Soil	1.2	30.0	14.4	89	0.1	29.3	11.6	685	3.09	23.7	2.0	3.1	5.5	20	0.2	1.0	0.2	55	0.26	0.045
1532407	Soil	1.3	27.1	11.1	129	0.2	31.7	14.0	501	3.29	15.4	1.2	1.6	6.0	19	0.4	0.9	0.1	65	0.37	0.087
1532410	Soil	1.5	25.6	10.0	101	0.1	26.2	14.4	786	2.76	43.8	1.3	1.3	4.4	17	0.4	1.6	0.2	58	0.21	0.062
1532426	Soil	1.0	16.7	13.8	55	<0.1	17.0	7.8	244	2.69	8.5	0.8	1.9	7.4	12	0.1	0.7	0.2	42	0.11	0.026
1532402	Soil	1.3	28.6	12.5	89	<0.1	30.7	14.2	604	3.43	22.6	1.4	2.0	7.8	20	0.1	0.9	0.2	58	0.26	0.060
1532409	Soil	0.9	25.6	9.2	94	0.2	27.3	17.0	449	3.90	15.1	1.1	<0.5	3.9	18	0.3	1.1	<0.1	84	0.61	0.059
1442985	Soil	1.3	31.5	14.7	108	<0.1	29.4	14.5	483	3.55	24.4	1.4	3.0	8.0	18	0.2	1.4	0.2	65	0.21	0.036
1532401	Soil	1.0	14.2	11.5	59	<0.1	20.6	7.9	306	2.24	19.2	0.7	0.9	2.3	16	0.2	0.6	0.2	47	0.19	0.044
1532404	Soil	1.2	21.2	12.4	102	0.2	22.5	13.4	611	3.55	13.7	1.5	2.0	7.6	26	0.2	0.8	0.1	62	0.53	0.093



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Project: ERK
Report Date: September 05, 2017

Page: 2 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1532430	Soil	22	28	0.70	201	0.098	2	1.86	0.005	0.44	<0.1	0.03	3.4	0.4	<0.05	6	<0.5	<0.2
1532413	Soil	22	72	0.40	207	0.031	2	1.23	0.006	0.05	0.2	0.16	6.1	0.3	<0.05	4	<0.5	<0.2
1532418	Soil	39	37	1.27	262	0.176	<1	2.21	0.006	1.44	0.2	0.02	4.3	0.9	<0.05	9	<0.5	<0.2
1532422	Soil	30	21	0.38	345	0.052	2	1.01	0.011	0.11	0.4	0.06	4.0	0.2	<0.05	3	2.2	<0.2
1532412	Soil	14	21	0.34	145	0.043	2	1.03	0.009	0.06	0.3	0.16	3.6	0.2	<0.05	3	<0.5	<0.2
1532416	Soil	26	26	0.46	386	0.054	2	1.18	0.013	0.09	0.6	0.08	4.1	0.2	<0.05	4	1.2	<0.2
1532421	Soil	9	36	0.59	335	0.083	2	1.67	0.007	0.27	0.3	0.02	4.2	0.2	<0.05	5	<0.5	<0.2
1532423	Soil	20	28	0.49	324	0.073	2	1.37	0.011	0.10	0.2	0.02	4.3	0.1	<0.05	5	<0.5	<0.2
1532411	Soil	15	25	0.30	202	0.043	2	1.20	0.008	0.05	0.3	0.09	3.4	0.5	<0.05	3	1.1	<0.2
1532415	Soil	21	28	0.33	220	0.037	1	1.32	0.007	0.05	0.1	0.17	5.4	0.3	<0.05	4	<0.5	<0.2
1532419	Soil	17	35	0.32	472	0.023	2	1.34	0.006	0.07	0.2	0.09	6.6	0.3	<0.05	4	0.7	<0.2
1532425	Soil	39	34	0.83	213	0.126	2	1.87	0.009	0.50	0.3	0.01	2.9	0.4	<0.05	6	<0.5	<0.2
1532414	Soil	22	27	0.30	257	0.033	1	1.36	0.006	0.06	0.2	0.24	5.5	0.4	<0.05	4	<0.5	<0.2
1532417	Soil	21	28	0.42	313	0.078	2	1.18	0.009	0.25	0.4	0.04	5.1	0.4	<0.05	4	<0.5	<0.2
1532420	Soil	15	33	0.44	503	0.037	1	1.53	0.010	0.06	0.1	0.06	5.6	0.1	<0.05	4	<0.5	<0.2
1532424	Soil	21	34	0.70	272	0.118	1	1.82	0.009	0.36	0.2	0.02	3.1	0.3	<0.05	6	<0.5	<0.2
1532429	Soil	24	33	0.63	226	0.087	<1	1.64	0.006	0.33	0.4	0.07	4.9	0.4	<0.05	5	<0.5	<0.2
1532427	Soil	47	27	0.48	336	0.047	2	1.26	0.009	0.11	0.2	0.07	3.7	0.2	0.07	4	1.2	<0.2
1532405	Soil	35	51	1.09	436	0.107	2	2.36	0.008	0.67	0.1	0.13	8.2	0.7	<0.05	8	<0.5	<0.2
1532408	Soil	25	50	0.54	455	0.046	2	1.55	0.010	0.10	0.1	0.23	16.7	0.3	<0.05	5	<0.5	<0.2
1532428	Soil	36	34	0.59	285	0.087	1	1.86	0.007	0.27	0.2	0.10	5.2	0.3	<0.05	6	<0.5	<0.2
1532403	Soil	26	40	0.46	314	0.042	2	1.50	0.008	0.12	0.2	0.14	6.5	0.3	<0.05	5	<0.5	<0.2
1532407	Soil	18	55	0.73	323	0.078	<1	1.63	0.009	0.23	0.2	0.08	6.1	0.4	<0.05	5	<0.5	<0.2
1532410	Soil	15	26	0.30	193	0.045	1	1.04	0.007	0.06	0.1	0.12	5.7	0.5	<0.05	3	<0.5	<0.2
1532426	Soil	16	26	0.45	245	0.066	1	1.62	0.008	0.13	0.2	0.03	3.5	0.2	<0.05	5	<0.5	<0.2
1532402	Soil	22	47	0.65	261	0.061	3	1.91	0.009	0.20	0.1	0.17	6.2	0.5	<0.05	6	<0.5	<0.2
1532409	Soil	16	45	0.64	453	0.049	2	1.56	0.010	0.11	0.2	0.16	12.5	0.3	<0.05	5	<0.5	<0.2
1442985	Soil	22	41	0.62	308	0.062	1	2.06	0.008	0.09	0.1	0.16	7.8	0.3	<0.05	6	<0.5	<0.2
1532401	Soil	14	29	0.40	183	0.037	1	1.23	0.007	0.06	0.2	0.10	2.9	0.3	<0.05	5	<0.5	<0.2
1532404	Soil	24	55	0.98	344	0.093	1	2.10	0.008	0.60	0.1	0.13	7.1	0.6	<0.05	8	<0.5	<0.2



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Project: ERK
Report Date: September 05, 2017

Page: 3 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1532406	Soil	1.3	27.7	12.2	106	0.2	22.9	22.7	1142	4.64	17.7	1.7	2.1	8.6	17	0.3	0.8	0.1	65	0.32	0.093
1442978	Soil	1.6	25.0	12.6	102	0.1	22.0	12.5	660	3.44	17.1	1.4	1.1	9.2	14	0.2	1.3	0.2	52	0.22	0.083
1442997	Soil	0.7	20.9	10.9	59	<0.1	22.8	9.2	303	2.49	16.1	1.0	2.5	6.5	16	<0.1	0.9	0.2	47	0.20	0.029
1442986	Soil	0.9	25.7	10.8	77	0.1	24.5	12.3	469	3.40	14.9	1.4	3.8	8.2	19	<0.1	0.9	0.2	57	0.29	0.053
1442980	Soil	2.3	49.6	17.2	146	0.2	37.7	10.1	367	3.41	30.9	2.6	2.6	9.9	14	0.3	5.4	0.3	47	0.14	0.061
1442982	Soil	2.2	31.2	15.5	82	0.4	22.7	14.0	884	3.18	26.1	1.8	2.9	2.5	13	0.3	1.5	0.4	60	0.13	0.063
1475249	Soil	1.1	14.7	18.1	79	0.1	14.6	6.8	334	2.73	6.0	1.4	1.3	14.1	12	0.1	0.4	0.4	38	0.15	0.038
1442976	Soil	1.0	11.4	11.3	68	<0.1	14.5	6.4	330	2.70	6.3	1.0	0.6	9.9	12	0.1	0.4	0.2	46	0.14	0.034
1442989	Soil	1.0	18.4	12.3	69	0.1	22.8	9.2	363	2.55	15.1	1.5	4.8	6.7	17	0.2	0.9	0.2	46	0.25	0.061
1442981	Soil	3.1	39.3	30.6	127	0.2	28.2	18.4	1640	3.42	50.7	1.7	2.5	6.0	12	0.6	6.0	0.3	52	0.11	0.061
1442951	Soil	0.8	19.5	13.4	65	<0.1	23.1	8.2	273	2.17	16.7	1.4	8.4	6.9	12	0.1	1.0	0.2	38	0.15	0.038
1475244	Soil	1.2	14.7	18.8	74	0.4	12.2	5.4	308	2.82	3.4	5.6	4.4	13.3	9	0.1	0.5	0.4	27	0.24	0.038
1475247	Soil	0.9	27.6	11.0	54	<0.1	21.1	9.5	268	2.45	8.6	2.0	3.5	8.0	16	<0.1	0.6	0.2	46	0.17	0.029
1475245	Soil	1.2	21.3	10.8	60	0.2	19.3	9.0	302	2.45	8.9	1.0	12.1	5.9	24	0.3	0.6	0.2	53	0.36	0.076
1475248	Soil	1.2	14.8	18.3	64	0.1	15.4	7.3	307	2.90	8.0	1.2	1.9	9.8	13	0.1	0.4	0.1	48	0.13	0.035
1442996	Soil	0.7	23.7	10.0	68	<0.1	23.8	11.1	379	3.03	14.2	1.3	4.0	8.0	17	<0.1	0.7	0.1	54	0.27	0.036
1442977	Soil	1.8	28.5	11.2	102	0.3	28.4	14.0	368	2.52	15.6	19.1	2.4	5.6	20	0.5	1.0	0.2	47	0.42	0.069
1475246	Soil	1.8	9.4	19.5	89	<0.1	9.8	5.7	350	2.94	3.9	2.3	<0.5	17.4	8	0.1	0.7	0.4	31	0.10	0.057
1442984	Soil	1.8	38.3	12.1	95	0.2	28.4	12.9	721	3.12	23.3	1.6	3.1	6.8	13	<0.1	1.2	0.3	57	0.13	0.047
1532121	Soil	2.1	33.5	18.0	91	0.4	28.4	12.8	621	3.24	19.8	1.7	5.5	4.4	14	0.3	1.1	0.2	68	0.15	0.050
1532120	Soil	2.0	30.9	22.1	96	1.1	24.6	8.1	833	3.00	11.1	1.6	2.9	5.1	23	0.9	0.6	0.2	69	0.34	0.094
1532113	Soil	1.2	30.0	14.3	64	<0.1	30.4	14.0	426	3.01	10.3	1.2	1.6	5.3	16	<0.1	0.8	0.2	60	0.16	0.030
1442988	Soil	1.1	16.7	10.0	93	<0.1	20.9	13.0	477	3.72	9.8	1.4	0.6	10.1	18	0.1	0.5	0.1	57	0.48	0.118
1532127	Soil	0.9	18.4	13.7	56	0.4	14.4	6.9	281	2.53	6.0	2.1	5.0	4.4	13	0.1	0.4	0.2	52	0.16	0.056
1532128	Soil	0.5	9.6	10.8	51	0.1	10.6	5.5	204	1.82	3.9	1.0	5.2	2.3	11	<0.1	0.2	0.2	38	0.14	0.041
1532111	Soil	1.3	23.3	11.6	65	<0.1	33.3	15.0	510	3.40	13.8	1.1	1.9	5.3	14	<0.1	0.7	0.1	74	0.18	0.045
1442983	Soil	1.6	30.3	12.1	80	0.2	26.0	14.1	799	3.24	26.1	1.4	2.7	6.0	14	0.2	1.3	0.2	54	0.15	0.043
1532115	Soil	1.6	31.2	15.3	72	<0.1	25.8	10.1	410	3.14	14.7	2.0	5.0	6.9	14	<0.1	1.1	0.2	56	0.14	0.040
1532109	Soil	1.0	21.0	10.7	82	<0.1	19.2	15.6	580	3.79	20.6	1.4	0.8	8.7	16	<0.1	1.2	0.1	61	0.20	0.030
1532141	Soil	1.2	18.1	12.3	61	0.1	16.9	7.4	303	2.85	19.3	2.4	3.0	6.3	14	<0.1	0.7	0.1	54	0.15	0.042



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Report Date: September 05, 2017

Page: 3 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1532406	Soil	36	46	0.83	379	0.091	2	2.04	0.009	0.38	0.2	0.13	8.4	0.5	<0.05	7	<0.5	<0.2
1442978	Soil	24	35	0.71	162	0.110	1	1.70	0.007	0.36	0.2	0.04	3.7	0.5	<0.05	6	<0.5	<0.2
1442997	Soil	20	34	0.47	265	0.042	2	1.36	0.007	0.08	0.1	0.13	5.1	0.2	<0.05	4	<0.5	<0.2
1442986	Soil	33	40	0.62	371	0.062	1	1.77	0.008	0.17	0.1	0.13	8.3	0.3	<0.05	6	<0.5	<0.2
1442980	Soil	32	31	0.50	239	0.064	1	1.23	0.004	0.33	0.1	0.06	5.4	0.5	<0.05	4	<0.5	<0.2
1442982	Soil	22	31	0.39	237	0.036	2	1.70	0.006	0.10	0.1	0.11	4.5	0.3	<0.05	6	<0.5	<0.2
1475249	Soil	28	33	0.61	260	0.123	1	1.53	0.007	0.42	0.3	0.02	4.6	0.4	<0.05	7	<0.5	<0.2
1442976	Soil	20	28	0.52	262	0.110	1	1.62	0.008	0.25	0.2	<0.01	3.5	0.3	<0.05	7	<0.5	<0.2
1442989	Soil	19	31	0.47	212	0.058	2	1.27	0.007	0.16	0.2	0.08	3.8	0.3	<0.05	5	<0.5	<0.2
1442981	Soil	21	25	0.36	148	0.046	2	1.26	0.005	0.16	0.1	0.06	3.6	0.3	<0.05	4	0.7	<0.2
1442951	Soil	14	26	0.31	118	0.038	1	1.01	0.007	0.04	0.2	0.10	3.1	0.2	<0.05	3	<0.5	<0.2
1475244	Soil	94	18	0.49	377	0.132	<1	1.44	0.007	0.51	0.8	0.02	4.9	0.5	<0.05	7	<0.5	<0.2
1475247	Soil	29	29	0.45	343	0.064	<1	1.39	0.008	0.09	0.2	0.04	7.0	0.1	<0.05	4	<0.5	<0.2
1475245	Soil	25	27	0.45	394	0.055	1	1.32	0.013	0.06	0.6	0.04	4.0	<0.1	<0.05	4	<0.5	<0.2
1475248	Soil	40	27	0.47	400	0.096	1	1.74	0.008	0.27	0.2	0.01	4.2	0.3	<0.05	7	<0.5	<0.2
1442996	Soil	27	45	0.61	322	0.065	1	1.63	0.008	0.16	0.2	0.08	6.2	0.2	<0.05	5	<0.5	<0.2
1442977	Soil	37	27	0.45	238	0.055	1	1.22	0.009	0.13	0.4	0.10	4.5	0.3	<0.05	4	2.2	<0.2
1475246	Soil	22	21	0.52	124	0.161	<1	1.47	0.005	0.73	0.3	<0.01	6.2	0.6	<0.05	8	<0.5	<0.2
1442984	Soil	22	31	0.41	169	0.045	<1	1.31	0.006	0.07	<0.1	0.10	5.7	0.4	<0.05	4	0.5	<0.2
1532121	Soil	22	53	0.66	385	0.077	1	1.77	0.007	0.15	0.2	0.04	4.6	0.3	<0.05	6	<0.5	<0.2
1532120	Soil	20	56	0.55	357	0.087	2	1.62	0.010	0.17	0.2	0.02	4.2	0.3	<0.05	7	<0.5	<0.2
1532113	Soil	19	102	0.77	308	0.073	1	1.81	0.009	0.10	0.2	0.05	5.1	0.2	<0.05	5	<0.5	<0.2
1442988	Soil	19	46	0.98	237	0.103	1	1.90	0.008	0.47	0.1	0.06	5.2	0.4	<0.05	7	<0.5	<0.2
1532127	Soil	42	33	0.46	306	0.060	2	1.39	0.009	0.09	0.7	0.09	4.4	0.2	<0.05	5	<0.5	<0.2
1532128	Soil	16	29	0.44	176	0.070	<1	1.17	0.007	0.11	0.6	0.07	2.7	0.1	<0.05	5	<0.5	<0.2
1532111	Soil	17	181	0.98	317	0.107	1	2.14	0.008	0.18	0.1	0.02	5.3	0.2	<0.05	7	<0.5	<0.2
1442983	Soil	22	29	0.40	211	0.048	1	1.34	0.006	0.10	0.1	0.06	5.3	0.3	<0.05	5	<0.5	<0.2
1532115	Soil	22	37	0.58	201	0.071	1	1.85	0.008	0.15	0.9	0.05	4.8	0.2	<0.05	6	<0.5	<0.2
1532109	Soil	34	31	1.01	558	0.149	2	2.52	0.007	0.42	0.2	0.05	6.9	0.5	<0.05	7	<0.5	<0.2
1532141	Soil	23	33	0.54	310	0.070	<1	1.75	0.008	0.11	0.1	0.04	4.4	0.2	<0.05	7	<0.5	<0.2



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Report Date: September 05, 2017

Page: 4 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	
	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	1	0.1	0.01	0.001	
1532117	Soil	1.4	21.9	13.2	83	0.2	23.3	10.9	669	3.19	11.7	1.0	3.2	5.3	12	0.2	0.6	0.2	66	0.17	0.056
1532122	Soil	2.6	22.5	20.7	95	0.6	27.4	6.5	224	3.33	11.6	1.5	5.0	4.4	11	1.1	0.7	0.2	99	0.14	0.048
1532116	Soil	2.2	29.0	15.5	90	0.2	24.1	13.4	796	3.32	20.0	1.2	6.7	5.7	22	0.2	1.5	0.2	56	0.32	0.054
1532124	Soil	0.9	19.9	10.8	71	<0.1	20.2	9.8	409	2.63	15.2	1.9	1.4	9.7	14	<0.1	0.9	0.1	47	0.14	0.024
1532133	Soil	1.2	35.9	11.1	84	0.2	24.5	9.7	468	2.81	11.0	1.9	6.9	7.0	21	0.3	0.6	0.1	57	0.26	0.078
1532134	Soil	1.1	28.0	13.5	117	0.2	28.9	12.4	664	3.56	10.5	2.3	0.8	11.9	21	0.4	0.9	<0.1	62	0.37	0.125
1475250	Soil	0.9	13.9	18.1	79	<0.1	12.7	7.6	360	2.74	5.0	1.4	0.8	14.0	11	<0.1	0.3	0.2	38	0.15	0.040
1442991	Soil	1.4	36.4	13.8	103	0.2	30.7	13.9	631	3.24	29.2	1.7	5.7	5.9	13	0.4	1.0	0.2	68	0.17	0.065
1532135	Soil	1.5	27.1	16.6	89	0.3	24.5	11.5	622	3.26	14.3	1.4	2.7	6.6	27	0.3	0.7	0.2	66	0.33	0.069
1532137	Soil	1.6	38.9	16.9	95	0.3	28.4	11.9	816	2.81	13.9	1.8	3.9	6.4	48	0.3	1.2	0.2	50	0.93	0.071
1442979	Soil	2.3	36.3	24.5	87	0.6	25.2	11.7	449	2.79	25.2	2.5	5.3	4.7	13	0.4	2.6	0.3	43	0.15	0.064
1442993	Soil	0.9	26.2	7.9	102	<0.1	21.1	15.0	432	4.23	8.7	1.2	1.5	5.9	16	0.1	0.3	<0.1	68	0.35	0.121
1532125	Soil	1.0	21.1	11.2	67	0.1	20.7	10.2	439	2.73	15.0	1.6	4.9	8.2	17	0.2	0.8	0.2	53	0.19	0.032
1532139	Soil	1.6	25.7	16.1	63	0.2	22.6	10.6	514	3.39	19.9	1.2	2.2	6.4	11	0.1	1.2	0.2	63	0.11	0.039
1442992	Soil	1.4	27.6	12.5	111	<0.1	25.5	11.9	458	3.80	25.5	1.1	3.3	4.3	12	0.3	0.8	0.2	94	0.19	0.078
1442990	Soil	2.6	41.8	15.4	91	0.6	31.1	8.5	405	2.82	34.2	2.1	2.6	3.6	19	0.4	2.1	0.2	54	0.18	0.041
1532138	Soil	1.6	28.4	15.7	68	0.4	24.1	13.8	924	3.11	14.1	1.4	4.8	3.9	12	0.2	1.1	0.2	54	0.12	0.044
1532136	Soil	1.3	39.6	16.0	72	<0.1	27.9	12.0	713	2.91	13.9	2.4	5.5	7.7	15	0.2	1.1	0.2	51	0.15	0.029
1532140	Soil	1.3	18.9	14.7	68	<0.1	21.7	10.7	409	3.48	18.4	1.4	2.3	9.3	11	0.1	1.1	0.2	60	0.10	0.023
1442995	Soil	1.0	17.7	10.2	106	<0.1	14.8	14.5	628	4.88	11.6	1.6	0.7	9.2	17	0.1	0.8	0.1	69	0.36	0.130
1532131	Soil	1.4	36.1	12.0	207	0.7	25.9	11.1	5591	2.51	13.5	1.8	3.1	4.5	89	3.2	0.6	0.2	46	1.69	0.188
1532126	Soil	1.1	16.3	14.8	67	0.2	8.0	4.3	240	2.11	3.1	2.5	2.1	11.6	8	0.2	0.4	0.4	32	0.08	0.040
1532123	Soil	0.6	15.1	19.3	47	0.2	10.4	3.7	92	1.70	4.3	3.8	3.8	2.1	13	0.3	0.3	0.4	31	0.12	0.062
1533988	Soil	1.3	20.3	9.9	74	0.2	18.8	6.8	302	2.39	10.3	1.1	1.6	2.2	15	0.2	0.7	0.2	55	0.19	0.056
1532130	Soil	1.4	24.1	17.7	63	0.4	16.7	9.5	357	2.72	14.3	1.8	2.8	3.3	14	0.2	0.9	0.2	50	0.18	0.065
1532132	Soil	1.4	33.5	13.9	76	0.2	24.2	10.4	441	3.02	9.4	1.6	2.7	8.5	16	0.2	0.5	0.2	58	0.18	0.041
1532129	Soil	0.5	12.4	13.3	55	0.2	12.7	4.8	135	1.98	5.9	1.4	3.6	2.0	14	0.2	0.3	0.2	35	0.19	0.064
1533983	Soil	1.0	22.0	17.4	124	0.1	27.1	11.8	550	3.27	9.3	1.1	<0.5	7.4	15	0.3	0.6	0.2	54	0.25	0.073
1532119	Soil	2.3	41.1	25.9	133	0.9	34.3	11.7	890	3.55	10.0	2.5	3.7	5.6	32	0.8	0.5	0.2	80	0.43	0.135
1532114	Soil	2.0	33.4	17.3	91	0.2	27.7	14.3	863	3.12	13.0	1.6	1.6	6.1	26	0.2	1.1	0.2	62	0.39	0.071

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



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Page: 4 of 12

Part: 2 of 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1532117	Soil	15	57	0.66	230	0.086	1	1.93	0.007	0.19	0.2	0.02	4.6	0.3	<0.05	7	<0.5	<0.2
1532122	Soil	24	47	0.49	311	0.100	<1	1.26	0.007	0.17	0.3	0.04	4.6	0.3	<0.05	8	<0.5	<0.2
1532116	Soil	18	39	0.54	219	0.065	1	1.61	0.008	0.14	0.2	0.04	4.1	0.2	<0.05	6	<0.5	<0.2
1532124	Soil	31	41	0.63	266	0.080	1	1.81	0.008	0.13	0.2	0.04	4.9	0.3	<0.05	5	<0.5	<0.2
1532133	Soil	27	36	0.77	330	0.099	<1	1.57	0.009	0.29	0.2	0.01	4.7	0.3	<0.05	5	<0.5	<0.2
1532134	Soil	55	63	1.18	453	0.184	1	2.16	0.007	0.79	0.3	0.02	6.0	0.6	<0.05	7	0.5	<0.2
1475250	Soil	32	32	0.64	258	0.139	<1	1.55	0.007	0.48	0.3	0.02	4.7	0.5	<0.05	7	<0.5	<0.2
1442991	Soil	23	32	0.51	236	0.072	<1	1.66	0.007	0.15	0.2	0.13	5.0	0.5	<0.05	5	<0.5	<0.2
1532135	Soil	21	45	0.64	347	0.095	2	1.70	0.010	0.24	0.2	0.02	5.2	0.3	<0.05	6	<0.5	<0.2
1532137	Soil	28	45	0.56	515	0.060	2	1.46	0.009	0.14	0.2	0.05	4.5	0.2	<0.05	5	<0.5	<0.2
1442979	Soil	28	28	0.36	217	0.035	2	1.21	0.007	0.11	0.1	0.24	4.4	0.3	<0.05	4	<0.5	<0.2
1442993	Soil	22	40	0.94	354	0.144	1	2.35	0.011	0.66	0.2	0.02	5.8	0.5	<0.05	8	<0.5	<0.2
1532125	Soil	25	41	0.62	324	0.073	1	1.86	0.008	0.11	0.1	0.03	4.4	0.2	<0.05	5	0.6	<0.2
1532139	Soil	15	47	0.54	262	0.054	2	1.90	0.007	0.08	0.2	0.04	3.7	0.1	<0.05	6	<0.5	<0.2
1442992	Soil	16	38	0.64	216	0.108	1	1.86	0.007	0.26	0.3	0.05	5.0	0.5	<0.05	6	0.6	<0.2
1442990	Soil	24	24	0.26	295	0.036	3	1.21	0.006	0.05	0.2	0.13	4.3	0.3	<0.05	4	0.5	<0.2
1532138	Soil	16	58	0.52	227	0.063	2	1.56	0.006	0.15	0.2	0.05	3.7	0.2	<0.05	5	<0.5	<0.2
1532136	Soil	31	59	0.60	380	0.072	1	1.58	0.007	0.11	0.2	0.05	6.3	0.2	<0.05	5	0.7	<0.2
1532140	Soil	15	46	0.61	290	0.074	1	2.27	0.006	0.09	0.2	0.04	4.6	0.2	<0.05	6	<0.5	<0.2
1442995	Soil	32	31	0.85	295	0.085	1	1.98	0.005	0.62	0.1	0.04	9.0	0.5	<0.05	7	<0.5	<0.2
1532131	Soil	20	30	0.63	831	0.065	5	1.42	0.013	0.23	0.1	0.06	3.9	0.2	0.07	4	0.6	<0.2
1532126	Soil	43	20	0.44	142	0.095	<1	1.25	0.007	0.36	1.2	0.03	3.3	0.4	<0.05	6	<0.5	<0.2
1532123	Soil	58	23	0.32	268	0.028	1	1.43	0.007	0.06	1.6	0.04	2.5	0.2	<0.05	6	0.5	<0.2
1533988	Soil	15	32	0.63	154	0.082	2	1.46	0.007	0.20	0.2	0.05	2.9	0.2	<0.05	6	<0.5	<0.2
1532130	Soil	28	35	0.56	252	0.063	<1	1.54	0.009	0.12	0.3	0.06	3.7	0.2	<0.05	5	<0.5	<0.2
1532132	Soil	23	43	0.70	256	0.093	1	1.72	0.007	0.21	0.2	0.02	3.7	0.2	<0.05	5	<0.5	<0.2
1532129	Soil	21	32	0.43	229	0.050	1	1.32	0.009	0.07	0.5	0.09	2.8	0.2	<0.05	5	0.5	<0.2
1533983	Soil	29	50	0.83	195	0.098	<1	1.82	0.007	0.31	0.2	0.02	4.8	0.3	<0.05	6	<0.5	<0.2
1532119	Soil	30	63	0.78	624	0.120	1	1.89	0.011	0.32	1.4	0.03	5.5	0.2	<0.05	7	0.6	<0.2
1532114	Soil	21	108	0.76	361	0.085	2	1.74	0.012	0.19	0.2	0.04	4.9	0.3	<0.05	5	0.5	<0.2



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Project: ERK
Report Date: September 05, 2017

Page: 5 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method Analyte Unit MDL	AQ201 Mo ppm	AQ201 Cu ppm	AQ201 Pb ppm	AQ201 Zn ppm	AQ201 Ag ppm	AQ201 Ni ppm	AQ201 Co ppm	AQ201 Mn ppm	AQ201 Fe %	AQ201 As ppm	AQ201 U ppm	AQ201 Au ppb	AQ201 Th ppm	AQ201 Sr ppm	AQ201 Cd ppm	AQ201 Sb ppm	AQ201 Bi ppm	AQ201 V ppm	AQ201 Ca %	AQ201 P %	
	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	
1532110	Soil	2.0	28.0	15.9	85	<0.1	23.6	12.9	644	4.57	23.7	1.6	<0.5	7.5	15	<0.1	1.4	0.2	66	0.16	0.040
1533982	Soil	1.2	20.7	12.2	90	<0.1	20.4	11.9	399	3.28	9.6	1.0	1.2	9.2	17	0.1	0.8	0.1	58	0.22	0.039
1532118	Soil	1.3	22.4	14.9	73	0.2	21.7	8.0	343	2.54	10.2	1.1	4.7	3.2	16	0.3	0.5	0.2	61	0.16	0.037
1532112	Soil	1.3	37.5	11.2	64	<0.1	34.1	12.3	373	2.94	16.5	1.5	5.7	6.3	18	<0.1	1.1	0.1	61	0.18	0.036
1533986	Soil	5.2	78.1	25.3	233	0.9	90.2	16.4	580	4.06	45.7	3.0	9.0	5.4	24	1.0	4.2	0.3	83	0.24	0.096
1533991	Soil	1.1	21.4	13.9	73	<0.1	23.7	10.9	398	3.37	11.0	0.7	1.4	6.7	11	0.2	0.7	0.2	60	0.13	0.039
1533984	Soil	1.7	34.7	13.4	87	0.3	29.1	9.4	297	2.81	22.9	1.9	4.6	2.1	14	0.3	0.8	0.2	57	0.16	0.063
1533990	Soil	2.0	19.3	14.0	80	<0.1	21.2	6.7	299	3.21	18.6	0.7	1.2	0.9	11	0.1	1.0	0.2	72	0.09	0.040
1534499	Soil	1.2	24.3	9.8	71	0.2	22.5	11.1	348	2.83	12.2	0.7	3.0	3.1	12	0.2	0.8	0.2	67	0.13	0.040
1534326	Soil	2.3	45.7	14.8	140	0.6	37.0	12.3	397	3.43	29.8	1.3	1.4	1.8	14	0.9	2.5	0.2	81	0.13	0.043
1533985	Soil	1.4	28.8	12.3	69	0.3	20.0	8.1	255	2.48	8.9	1.7	4.9	2.1	14	0.2	0.4	0.2	51	0.16	0.070
1533980	Soil	1.9	31.8	34.8	78	0.2	17.2	5.0	178	2.83	23.8	2.3	2.4	16.3	15	0.1	1.3	0.2	35	0.07	0.033
1534495	Soil	1.5	26.9	11.1	68	0.1	24.3	10.2	419	2.91	12.2	0.9	<0.5	4.4	10	0.2	0.7	0.2	50	0.12	0.038
1534498	Soil	1.1	24.6	9.3	68	0.2	20.5	8.8	292	2.69	12.6	0.9	1.4	0.9	13	0.2	0.8	0.2	61	0.14	0.065
1533981	Soil	1.1	15.3	11.6	67	<0.1	17.6	8.6	346	3.00	8.6	0.9	1.1	3.4	17	0.1	0.6	0.1	53	0.25	0.061
1533989	Soil	2.9	53.2	16.4	83	0.2	48.4	13.6	536	4.10	96.0	1.5	1.8	5.3	19	0.2	7.5	0.4	80	0.12	0.051
1534500	Soil	1.4	24.2	10.6	76	0.2	23.8	12.1	427	3.12	12.9	0.8	2.1	3.7	13	0.2	0.7	0.2	71	0.13	0.047
1534494	Soil	2.0	31.0	11.5	71	0.1	21.2	9.1	356	2.83	18.7	1.0	2.4	5.0	11	0.3	1.1	0.2	53	0.11	0.038
1533987	Soil	2.5	45.1	13.8	81	0.2	27.9	10.9	459	3.12	31.3	1.6	5.7	4.2	19	0.3	2.2	0.3	56	0.20	0.078
1534497	Soil	1.7	25.5	11.4	62	0.1	22.8	11.4	488	2.88	14.1	0.8	2.5	2.2	12	0.4	0.9	0.3	63	0.12	0.051
1534496	Soil	1.7	33.7	11.9	82	0.1	30.9	11.9	469	3.15	19.1	1.1	2.9	4.8	14	0.2	1.4	0.3	59	0.15	0.032
1533994	Soil	1.4	29.7	11.6	57	0.1	18.7	7.5	267	2.56	10.7	1.2	2.2	1.9	15	0.2	0.7	0.2	55	0.18	0.057
1533995	Soil	1.4	26.9	12.7	58	0.2	19.1	7.3	246	2.39	14.7	1.3	3.6	1.9	16	0.1	1.0	0.2	50	0.18	0.054
1534000	Soil	1.1	16.4	16.7	55	0.4	15.9	5.9	164	2.32	13.9	1.3	4.6	1.1	16	0.2	0.8	0.2	48	0.18	0.067
1533993	Soil	2.1	31.6	12.0	58	0.1	19.7	6.7	215	2.63	27.4	2.0	8.8	1.9	15	0.2	1.6	0.2	55	0.14	0.054
1475144	Soil	1.4	20.2	20.4	80	0.3	18.4	9.5	343	3.17	13.0	2.0	3.2	5.6	16	0.2	0.8	0.2	58	0.21	0.071
1533851	Soil	1.5	21.4	16.5	64	0.4	20.1	10.0	355	2.77	17.9	1.6	5.4	1.7	19	0.6	0.9	0.2	57	0.20	0.077
1533999	Soil	1.1	16.0	17.0	56	0.4	15.8	6.0	152	2.39	16.4	1.4	3.1	1.0	17	0.2	0.9	0.2	49	0.18	0.070
1533852	Soil	1.8	24.6	21.3	76	0.4	20.4	10.9	395	3.08	16.7	1.9	4.0	3.5	17	0.2	1.1	0.2	60	0.20	0.071
1533977	Soil	1.3	23.8	12.7	53	0.1	18.8	7.1	288	2.41	10.7	1.1	1.4	0.7	14	0.2	0.6	0.2	52	0.17	0.059



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Project: ERK

Report Date: September 05, 2017

Page: 5 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method Analyte Unit MDL	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	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1532110	Soil	14	64	0.97	303	0.147	1	2.54	0.007	0.44	0.2	0.03	5.5	0.5	<0.05	9	<0.5	<0.2
1533982	Soil	19	36	0.90	227	0.106	<1	2.57	0.007	0.24	0.2	<0.01	4.6	0.3	<0.05	7	<0.5	<0.2
1532118	Soil	16	40	0.59	268	0.073	1	1.58	0.008	0.10	0.2	0.02	3.5	0.2	<0.05	5	<0.5	<0.2
1532112	Soil	23	76	0.71	654	0.069	1	1.89	0.010	0.09	0.2	0.04	6.2	0.2	<0.05	5	<0.5	<0.2
1533986	Soil	23	149	1.01	492	0.073	<1	1.85	0.008	0.39	0.1	0.16	7.6	0.5	0.09	6	2.2	<0.2
1533991	Soil	12	36	0.75	155	0.100	2	2.09	0.008	0.19	0.2	0.01	4.3	0.2	<0.05	6	<0.5	<0.2
1533984	Soil	26	37	0.57	188	0.049	<1	1.67	0.007	0.10	0.1	0.06	3.2	0.2	<0.05	6	0.6	<0.2
1533990	Soil	11	25	0.30	97	0.040	<1	1.19	0.005	0.04	0.1	0.03	2.1	0.2	<0.05	7	<0.5	<0.2
1534499	Soil	10	34	0.50	195	0.053	<1	1.73	0.007	0.05	0.2	0.03	4.2	0.1	<0.05	5	<0.5	<0.2
1534326	Soil	15	36	0.40	442	0.043	<1	1.79	0.007	0.05	0.2	0.08	6.5	0.2	<0.05	5	0.6	<0.2
1533985	Soil	23	34	0.58	160	0.053	<1	1.64	0.008	0.10	0.1	0.06	3.1	0.2	<0.05	5	<0.5	<0.2
1533980	Soil	32	22	0.28	129	0.028	<1	1.43	0.007	0.10	0.2	0.02	2.2	0.2	0.07	4	0.7	<0.2
1534495	Soil	14	29	0.44	173	0.052	<1	1.39	0.006	0.12	0.1	0.02	3.9	0.2	<0.05	5	<0.5	<0.2
1534498	Soil	11	33	0.45	237	0.038	<1	1.52	0.007	0.05	0.2	0.03	3.6	0.1	<0.05	5	<0.5	<0.2
1533981	Soil	17	33	0.73	184	0.101	1	1.82	0.007	0.25	0.2	0.02	3.1	0.2	<0.05	7	<0.5	<0.2
1533989	Soil	17	71	0.64	146	0.082	1	1.79	0.006	0.18	0.2	0.06	4.2	0.3	0.07	7	0.8	<0.2
1534500	Soil	11	37	0.55	217	0.055	<1	1.80	0.008	0.06	0.2	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
1534494	Soil	14	29	0.45	171	0.052	1	1.53	0.006	0.07	0.2	0.03	3.7	0.2	<0.05	5	0.6	<0.2
1533987	Soil	18	34	0.59	141	0.070	2	1.51	0.008	0.16	0.2	0.05	3.6	0.4	0.09	5	0.9	<0.2
1534497	Soil	12	31	0.42	202	0.054	1	1.35	0.007	0.08	0.1	0.02	3.1	0.2	<0.05	5	0.6	<0.2
1534496	Soil	16	32	0.44	213	0.054	1	1.55	0.006	0.08	0.1	0.03	4.5	0.2	<0.05	5	<0.5	<0.2
1533994	Soil	16	30	0.53	157	0.057	1	1.64	0.008	0.08	0.2	0.03	3.4	0.2	<0.05	5	<0.5	<0.2
1533995	Soil	16	29	0.49	163	0.053	1	1.50	0.008	0.08	0.2	0.06	3.2	0.2	<0.05	5	<0.5	<0.2
1534000	Soil	19	30	0.45	220	0.041	1	1.46	0.008	0.08	0.3	0.10	3.0	0.2	<0.05	5	0.5	<0.2
1533993	Soil	16	29	0.45	120	0.050	<1	1.61	0.007	0.10	0.2	0.06	3.1	0.3	<0.05	5	0.7	<0.2
1475144	Soil	30	36	0.66	230	0.093	1	1.86	0.009	0.16	0.5	0.05	4.2	0.3	<0.05	7	<0.5	<0.2
1533851	Soil	20	32	0.49	283	0.044	1	1.73	0.009	0.08	0.3	0.10	3.9	0.2	<0.05	6	<0.5	<0.2
1533999	Soil	19	31	0.44	227	0.042	1	1.54	0.009	0.08	0.3	0.12	3.1	0.2	<0.05	5	0.6	<0.2
1533852	Soil	23	36	0.61	257	0.068	1	1.86	0.009	0.11	0.3	0.09	4.8	0.2	<0.05	6	0.5	<0.2
1533977	Soil	14	30	0.46	142	0.043	1	1.51	0.008	0.08	0.2	0.04	2.2	0.2	<0.05	5	<0.5	<0.2



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Project: ERK
Report Date: September 05, 2017

Page: 6 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method Analyte	Unit	MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			0.1	0.1	0.1	1	0.1	0.1	0.1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
1533998	Soil		1.1	19.9	15.1	62	0.2	17.9	8.9	310	2.52	18.7	1.0	6.6	3.5	17	0.2	1.3	0.2	54	0.21	0.056
1533996	Soil		1.5	28.7	17.3	61	0.2	20.2	7.7	294	2.45	20.0	1.3	4.5	3.0	16	0.1	1.3	0.2	55	0.17	0.050
1475149	Soil		1.4	27.5	14.7	57	0.1	19.1	7.7	264	2.47	15.3	1.1	3.0	1.1	16	0.2	1.0	0.2	54	0.17	0.049
1475150	Soil		1.4	27.2	14.7	58	0.1	20.3	7.9	292	2.55	15.4	1.1	3.0	2.1	15	0.1	1.0	0.2	54	0.18	0.045
1533997	Soil		1.5	19.9	19.7	59	0.2	16.6	8.1	313	2.56	16.7	1.1	9.2	2.6	16	0.2	0.8	0.2	58	0.18	0.067
1533992	Soil		1.4	24.8	10.7	67	<0.1	23.3	10.8	406	3.10	10.6	0.9	1.3	4.5	15	<0.1	0.7	0.2	64	0.20	0.047
1475147	Soil		1.3	17.3	17.0	62	0.3	18.5	7.8	177	2.66	22.6	1.0	3.1	2.0	15	0.1	1.6	0.2	56	0.19	0.061
1533978	Soil		1.1	28.4	10.0	62	<0.1	26.5	9.9	306	2.65	11.0	1.1	5.9	4.9	19	0.1	0.8	0.2	60	0.24	0.048
1533976	Soil		1.3	28.4	13.1	57	0.1	18.0	7.5	305	2.54	13.5	1.2	2.4	1.2	14	0.1	0.8	0.2	58	0.15	0.056
1533979	Soil		1.2	21.7	14.7	98	<0.1	22.9	16.7	775	4.23	7.3	1.2	1.4	9.6	16	0.2	0.7	0.1	68	0.24	0.075
1534486	Soil		1.6	27.2	10.8	94	0.1	30.0	15.8	621	3.37	19.4	1.4	1.6	9.6	12	0.2	0.4	0.3	60	0.14	0.064
1534489	Soil		1.4	43.7	12.1	96	<0.1	39.7	13.2	447	3.43	18.5	1.4	1.1	11.7	11	0.1	0.5	0.3	56	0.19	0.075
1475148	Soil		1.4	25.2	22.3	69	0.2	19.0	10.8	464	2.95	19.3	1.1	3.2	4.9	16	0.2	1.4	0.2	56	0.22	0.071
1534485	Soil		1.6	27.8	10.3	67	0.1	23.6	9.8	343	2.95	12.9	1.0	2.5	4.8	14	0.1	0.6	0.2	60	0.15	0.037
1534491	Soil		2.4	39.1	13.7	74	0.2	26.9	9.6	341	3.01	19.3	1.6	1.8	4.6	16	0.3	1.1	0.3	60	0.12	0.043
1534488	Soil		1.5	32.1	11.7	72	0.2	24.2	9.1	286	2.51	26.7	1.5	7.0	4.7	13	0.3	0.5	0.3	59	0.14	0.056
1475146	Soil		1.1	14.8	16.6	52	0.3	14.9	6.0	150	2.18	14.4	1.2	3.0	1.0	14	<0.1	0.8	0.2	50	0.15	0.053
1534484	Soil		1.1	26.0	8.1	62	0.2	20.1	8.6	333	2.48	11.1	1.0	2.1	3.3	13	0.2	0.6	0.2	53	0.16	0.036
1534492	Soil		1.8	29.0	11.1	69	<0.1	23.7	8.6	329	2.62	12.1	1.0	1.9	3.9	12	0.3	0.7	0.2	56	0.13	0.035
1534487	Soil		1.7	31.2	11.5	92	0.2	38.2	15.1	483	3.60	15.6	2.0	0.6	12.3	10	0.2	0.3	0.3	58	0.15	0.060
1475145	Soil		1.1	15.8	17.4	66	0.3	16.9	7.4	213	2.53	11.8	1.5	5.1	3.5	15	<0.1	0.8	0.2	54	0.18	0.057
1534483	Soil		2.0	33.0	11.3	79	0.2	28.7	10.6	390	3.41	22.6	0.9	0.6	5.0	12	0.3	1.1	0.3	68	0.11	0.029
1534490	Soil		2.0	32.5	11.2	78	0.1	29.9	9.3	296	2.74	16.1	1.2	1.9	4.8	15	0.2	0.8	0.2	53	0.13	0.040
1534450	Soil		1.4	26.6	9.4	66	0.2	22.8	9.0	283	2.56	15.5	1.2	2.9	4.0	16	0.3	0.5	0.2	52	0.22	0.066
1534447	Soil		1.6	40.1	10.6	93	<0.1	31.3	10.0	358	2.92	12.4	1.2	4.3	7.1	12	0.2	0.5	0.3	53	0.20	0.067
1534477	Soil		1.4	29.2	9.0	76	0.3	23.3	10.7	305	2.67	11.8	1.4	3.9	4.5	13	0.2	0.7	0.2	49	0.17	0.051
1534449	Soil		1.3	19.0	9.3	59	0.2	18.7	8.1	222	2.42	14.0	1.0	5.4	2.8	14	0.2	0.5	0.2	47	0.17	0.060
1442994	Soil		0.8	16.7	6.8	95	<0.1	14.8	14.3	445	4.12	5.5	0.5	1.9	5.2	16	<0.1	0.2	<0.1	74	0.32	0.101
1534480	Soil		1.4	33.6	8.4	64	<0.1	24.1	9.5	300	2.53	10.8	1.3	6.6	5.0	13	<0.1	0.7	0.2	47	0.13	0.018
1534481	Soil		1.4	34.1	9.9	67	0.1	26.7	12.9	434	2.97	12.1	1.4	4.2	5.3	12	<0.1	0.8	0.2	56	0.12	0.021

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



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Report Date: September 05, 2017

Page: 6 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.05	1	0.5	0.2	
1533998	Soil	19	38	0.60	194	0.071	<1	1.49	0.008	0.11	0.2	0.04	3.6	0.2	<0.05	5	<0.5	<0.2
1533996	Soil	17	32	0.47	169	0.063	1	1.45	0.008	0.09	0.2	0.05	3.8	0.2	<0.05	5	<0.5	<0.2
1475149	Soil	15	35	0.49	172	0.051	1	1.52	0.009	0.08	0.2	0.07	2.7	0.1	<0.05	5	<0.5	<0.2
1475150	Soil	16	37	0.53	169	0.057	1	1.61	0.008	0.09	0.2	0.04	3.5	0.2	<0.05	5	<0.5	<0.2
1533997	Soil	15	37	0.51	167	0.063	<1	1.62	0.007	0.12	0.2	0.05	3.3	0.1	<0.05	6	<0.5	<0.2
1533992	Soil	23	39	0.75	194	0.097	1	1.87	0.009	0.17	0.2	0.02	3.9	0.3	<0.05	6	<0.5	<0.2
1475147	Soil	14	38	0.56	187	0.058	1	1.76	0.008	0.09	0.2	0.09	3.3	0.2	<0.05	5	0.6	<0.2
1533978	Soil	19	48	0.65	227	0.079	1	1.76	0.010	0.09	0.2	0.04	4.8	0.2	<0.05	5	<0.5	<0.2
1533976	Soil	15	32	0.50	136	0.051	1	1.75	0.007	0.08	0.2	0.03	2.6	0.2	<0.05	5	0.6	<0.2
1533979	Soil	29	74	1.54	291	0.202	<1	3.25	0.007	0.82	0.2	0.02	5.0	0.6	<0.05	9	<0.5	<0.2
1534486	Soil	30	39	0.66	203	0.133	<1	1.97	0.006	0.44	0.1	0.01	4.0	0.4	<0.05	6	<0.5	<0.2
1534489	Soil	28	48	0.80	272	0.159	<1	2.05	0.007	0.64	<0.1	0.02	4.7	0.5	<0.05	6	<0.5	<0.2
1475148	Soil	18	40	0.70	221	0.104	<1	1.72	0.008	0.30	0.3	0.03	3.7	0.3	<0.05	6	<0.5	<0.2
1534485	Soil	15	33	0.45	192	0.063	1	1.55	0.007	0.08	0.1	0.02	3.9	0.2	<0.05	5	<0.5	<0.2
1534491	Soil	21	33	0.41	271	0.058	2	1.64	0.007	0.09	0.2	0.05	4.7	0.3	<0.05	6	0.9	<0.2
1534488	Soil	28	35	0.53	263	0.083	<1	1.66	0.007	0.26	0.1	0.03	3.4	0.3	<0.05	6	<0.5	<0.2
1475146	Soil	19	30	0.44	217	0.045	1	1.61	0.009	0.07	0.3	0.10	2.8	0.2	<0.05	5	<0.5	<0.2
1534484	Soil	14	29	0.47	183	0.054	<1	1.40	0.008	0.07	0.1	0.03	3.7	0.2	<0.05	4	0.5	<0.2
1534492	Soil	15	29	0.46	188	0.062	<1	1.45	0.007	0.09	0.1	0.03	3.6	0.2	<0.05	5	<0.5	<0.2
1534487	Soil	46	44	0.80	230	0.194	<1	2.16	0.007	0.64	0.1	0.02	4.3	0.5	<0.05	8	0.6	<0.2
1475145	Soil	23	32	0.54	211	0.065	1	1.63	0.009	0.09	0.3	0.07	3.7	0.2	<0.05	5	0.5	<0.2
1534483	Soil	12	34	0.47	230	0.060	<1	1.78	0.006	0.07	0.1	0.02	4.1	0.2	<0.05	6	<0.5	<0.2
1534490	Soil	17	37	0.48	197	0.061	<1	1.39	0.007	0.09	0.1	0.03	3.5	0.2	<0.05	4	0.7	<0.2
1534450	Soil	18	31	0.50	203	0.063	<1	1.53	0.008	0.13	0.2	0.03	3.5	0.2	<0.05	5	<0.5	<0.2
1534447	Soil	24	34	0.63	314	0.096	1	1.37	0.007	0.37	0.1	0.02	3.8	0.3	<0.05	4	<0.5	<0.2
1534477	Soil	20	31	0.47	229	0.050	2	1.45	0.006	0.10	0.2	0.04	3.9	0.2	<0.05	4	<0.5	<0.2
1534449	Soil	14	28	0.42	183	0.047	1	1.36	0.007	0.07	0.2	0.05	2.9	0.2	<0.05	4	<0.5	<0.2
1442994	Soil	17	33	1.13	255	0.154	1	2.27	0.011	0.63	0.1	0.02	3.3	0.4	<0.05	8	<0.5	<0.2
1534480	Soil	19	29	0.46	240	0.048	1	1.21	0.007	0.04	0.1	0.03	4.5	0.1	<0.05	4	<0.5	<0.2
1534481	Soil	19	35	0.56	236	0.058	1	1.70	0.007	0.06	0.2	0.04	5.2	0.2	<0.05	5	<0.5	<0.2



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Project: ERK
Report Date: September 05, 2017

Page: 7 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	
	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	
1533832	Soil	2.4	32.1	8.5	106	0.2	20.3	12.1	336	3.97	9.8	1.0	1.9	4.7	16	0.2	0.3	0.1	98	0.14	0.057
1442987	Soil	1.7	31.9	15.3	76	0.3	33.6	12.8	632	3.54	23.1	1.9	2.6	6.7	27	0.2	1.0	0.3	61	0.40	0.048
1534448	Soil	1.4	30.7	8.9	77	0.1	25.0	9.3	335	2.71	18.6	1.1	5.9	3.4	15	0.3	0.7	0.2	54	0.22	0.079
1534479	Soil	1.7	39.9	10.0	80	<0.1	30.4	12.0	431	3.00	13.9	1.5	2.6	5.1	17	0.1	1.0	0.2	58	0.18	0.031
1533833	Soil	1.4	26.7	6.4	70	0.4	28.5	19.6	337	3.26	5.7	1.9	2.5	3.1	19	0.2	0.2	<0.1	82	0.26	0.072
1442998	Soil	1.3	21.8	11.6	82	<0.1	33.7	15.2	505	3.90	23.6	1.1	4.1	8.3	14	0.1	1.1	0.2	55	0.22	0.080
1534476	Soil	1.5	24.2	9.3	76	0.2	24.0	9.3	291	2.65	17.8	0.9	2.0	4.0	16	0.3	0.6	0.2	54	0.18	0.047
1534478	Soil	2.1	37.7	11.9	81	0.2	27.7	11.9	447	3.24	16.8	1.3	14.2	5.1	14	0.2	1.0	0.2	61	0.11	0.034
1533828	Soil	2.2	26.7	7.5	135	0.3	35.8	14.0	354	3.22	63.1	1.2	4.2	4.1	14	0.7	3.1	0.1	64	0.19	0.065
1534482	Soil	1.7	49.9	10.3	105	<0.1	42.7	17.7	742	3.92	10.3	1.5	2.7	9.7	8	0.2	0.5	0.4	45	0.10	0.031
1533826	Soil	2.6	40.3	14.8	154	0.3	42.2	16.8	849	3.77	47.0	1.7	5.1	5.3	12	0.7	2.2	0.2	59	0.14	0.064
1520146	Soil	3.6	44.2	11.6	118	0.4	34.9	18.1	1234	3.05	41.3	2.0	2.0	1.9	12	1.2	1.8	0.2	52	0.09	0.078
1533835	Soil	1.5	31.4	8.0	121	0.1	25.6	17.5	459	3.94	12.8	1.5	1.1	2.7	19	0.2	0.5	0.1	84	0.25	0.084
1532047	Soil	1.0	28.9	7.3	77	0.2	11.8	8.4	312	4.52	5.3	1.3	3.6	4.6	46	<0.1	0.3	0.1	40	0.22	0.077
1532037	Soil	2.3	27.8	10.0	83	0.3	21.8	12.4	622	2.75	26.0	1.5	4.1	3.4	20	0.6	1.4	0.2	62	0.21	0.056
1532050	Soil	1.3	33.9	13.3	133	0.4	18.1	9.4	310	4.63	13.6	1.9	3.8	6.9	30	<0.1	0.9	<0.1	55	0.22	0.100
1520143	Soil	2.0	37.6	11.5	106	0.2	30.6	13.7	513	2.89	23.4	1.8	2.0	4.9	16	0.4	1.5	0.2	51	0.20	0.064
1533834	Soil	1.9	39.5	7.3	129	0.2	35.2	20.0	502	4.14	11.0	1.4	1.3	5.3	22	0.2	0.4	0.1	95	0.25	0.081
1532044	Soil	1.6	23.9	10.5	73	0.1	21.8	11.5	382	2.99	25.7	0.8	2.5	2.4	13	0.2	1.0	0.2	75	0.12	0.047
1520141	Soil	1.5	23.9	12.1	81	0.3	12.5	13.8	750	3.67	46.1	1.0	4.1	4.7	20	0.1	1.5	0.1	62	0.17	0.071
1532043	Soil	1.5	23.4	10.6	78	0.1	23.2	12.9	656	2.65	25.7	0.9	4.8	2.3	12	0.6	1.2	0.2	56	0.15	0.099
1532046	Soil	2.0	77.0	14.3	135	0.1	29.9	15.5	446	4.98	6.5	1.9	2.5	8.7	30	0.1	0.3	0.1	94	0.14	0.038
1532048	Soil	0.9	28.0	8.4	42	0.2	14.7	7.8	227	2.50	3.7	1.3	1.9	0.4	33	0.4	0.2	0.1	40	0.30	0.108
1520144	Soil	1.9	41.8	10.5	73	0.5	25.7	10.4	415	2.50	25.0	2.5	2.6	0.9	15	0.7	1.3	0.2	42	0.15	0.070
1533830	Soil	1.8	24.8	10.7	91	0.5	21.5	10.8	326	2.93	73.0	2.6	4.3	7.1	23	0.3	3.4	0.1	53	0.31	0.066
1532038	Soil	1.7	30.8	9.2	72	0.2	21.2	8.5	303	2.56	19.4	1.5	3.4	2.2	15	0.3	1.1	0.2	60	0.17	0.058
1532049	Soil	1.3	34.1	13.8	108	0.4	14.9	8.2	335	4.49	17.3	1.8	4.7	6.2	32	0.1	1.1	0.1	50	0.19	0.090
1532041	Soil	1.6	26.8	13.7	67	0.2	22.1	9.8	381	2.79	37.1	1.1	3.2	3.2	16	0.2	1.3	0.2	59	0.15	0.047
1532039	Soil	1.6	32.3	9.8	76	0.3	23.5	9.7	366	2.71	20.5	1.6	3.6	4.1	19	0.2	1.2	0.2	59	0.22	0.062
1520145	Soil	3.0	27.6	11.7	103	0.3	27.7	16.5	775	2.97	31.7	1.4	1.5	3.8	12	0.4	1.6	0.2	51	0.13	0.058



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Project: ERK

Report Date: September 05, 2017

Page: 7 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
MDL		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1533832	Soil	20	47	1.01	869	0.149	1	1.89	0.027	0.43	0.1	0.01	4.3	0.3	0.17	7	1.1	<0.2
1442987	Soil	38	46	0.53	471	0.048	2	1.76	0.009	0.12	0.1	0.15	7.4	0.3	<0.05	6	<0.5	<0.2
1534448	Soil	17	32	0.51	272	0.061	1	1.39	0.008	0.15	0.2	0.02	3.8	0.2	<0.05	4	<0.5	<0.2
1534479	Soil	20	35	0.53	360	0.060	1	1.22	0.009	0.06	0.2	0.05	5.6	0.1	<0.05	4	<0.5	<0.2
1533833	Soil	18	54	1.20	641	0.126	1	1.88	0.023	0.45	0.1	0.04	4.1	0.2	0.21	6	<0.5	<0.2
1442998	Soil	15	51	0.69	149	0.068	3	1.79	0.006	0.31	0.1	0.10	5.6	0.6	<0.05	6	<0.5	<0.2
1534476	Soil	16	30	0.51	219	0.066	1	1.46	0.007	0.12	0.2	0.03	3.3	0.1	<0.05	5	<0.5	<0.2
1534478	Soil	18	36	0.46	287	0.047	1	1.60	0.006	0.09	0.2	0.04	4.8	0.2	<0.05	5	<0.5	<0.2
1533828	Soil	20	39	0.48	211	0.064	2	1.37	0.006	0.15	0.2	0.20	4.7	0.8	<0.05	5	0.5	<0.2
1534482	Soil	19	33	0.61	207	0.076	1	1.62	0.005	0.39	0.1	0.03	5.7	0.4	<0.05	5	<0.5	<0.2
1533826	Soil	23	33	0.36	169	0.047	2	1.24	0.006	0.11	0.1	0.09	5.1	0.6	<0.05	4	0.5	<0.2
1520146	Soil	27	30	0.26	221	0.032	2	1.14	0.008	0.08	0.1	0.15	4.3	0.4	<0.05	4	0.7	<0.2
1533835	Soil	20	31	0.90	435	0.139	1	1.92	0.017	0.47	0.1	0.03	5.2	0.5	0.09	8	0.7	<0.2
1532047	Soil	21	17	0.72	612	0.177	<1	2.37	0.031	0.69	0.2	0.04	4.8	0.2	0.29	8	0.8	<0.2
1532037	Soil	20	31	0.47	412	0.055	1	1.47	0.009	0.09	0.2	0.07	4.0	0.3	<0.05	5	0.7	<0.2
1532050	Soil	31	35	0.78	713	0.137	<1	2.62	0.016	0.70	<0.1	0.11	7.2	1.1	0.13	9	0.6	<0.2
1520143	Soil	19	29	0.47	265	0.047	1	1.35	0.010	0.06	0.2	0.16	5.0	0.3	<0.05	4	0.6	<0.2
1533834	Soil	26	46	1.41	515	0.156	1	2.47	0.023	0.80	<0.1	0.01	7.0	0.7	0.20	7	0.6	<0.2
1532044	Soil	11	36	0.47	199	0.059	1	1.80	0.007	0.07	0.2	0.05	4.2	0.2	<0.05	6	<0.5	<0.2
1520141	Soil	22	30	0.57	371	0.094	1	1.77	0.008	0.33	0.1	0.11	5.0	0.7	0.07	6	0.6	<0.2
1532043	Soil	12	30	0.45	184	0.046	2	1.61	0.007	0.06	0.3	0.06	3.5	0.2	<0.05	5	<0.5	<0.2
1532046	Soil	30	121	1.38	598	0.186	<1	3.29	0.029	0.75	0.3	0.01	8.8	0.5	0.24	11	0.7	<0.2
1532048	Soil	17	36	0.53	711	0.059	1	1.76	0.010	0.31	<0.1	0.04	2.1	0.1	<0.05	5	<0.5	<0.2
1520144	Soil	28	23	0.29	281	0.027	2	1.27	0.008	0.04	0.1	0.32	4.1	0.4	<0.05	4	<0.5	<0.2
1533830	Soil	60	33	0.64	370	0.080	3	1.69	0.010	0.29	0.2	0.40	5.8	0.7	<0.05	6	<0.5	<0.2
1532038	Soil	16	30	0.48	325	0.053	1	1.45	0.009	0.08	0.2	0.07	3.8	0.2	<0.05	5	0.5	<0.2
1532049	Soil	34	28	0.66	621	0.123	1	2.36	0.020	0.60	0.1	0.15	6.9	1.1	0.15	8	0.7	<0.2
1532041	Soil	14	34	0.50	250	0.044	1	1.85	0.007	0.05	0.2	0.14	4.6	0.1	<0.05	5	<0.5	<0.2
1532039	Soil	18	32	0.56	379	0.064	<1	1.59	0.009	0.09	0.1	0.08	4.6	0.2	<0.05	5	0.6	<0.2
1520145	Soil	19	25	0.37	166	0.048	1	1.13	0.006	0.07	0.1	0.12	3.6	0.5	<0.05	4	<0.5	<0.2

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



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Project: ERK
Report Date: September 05, 2017

Page: 8 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	
	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	
1532042	Soil	1.6	27.4	10.6	75	0.2	25.6	10.3	407	2.87	41.4	1.0	5.1	3.6	14	0.3	1.3	0.2	61	0.15	0.039
1532045	Soil	1.4	40.5	10.1	85	<0.1	30.9	11.4	331	3.37	41.0	1.5	4.9	4.4	22	0.1	1.9	0.2	73	0.24	0.028
1533831	Soil	1.5	17.4	9.5	87	0.1	18.4	10.4	379	3.22	12.7	1.2	2.8	6.2	13	0.2	0.6	0.2	67	0.19	0.052
1532001	Soil	1.5	30.0	9.5	66	0.2	21.1	9.6	321	2.62	22.4	1.4	2.2	3.4	18	0.2	1.1	0.2	61	0.22	0.044
1533829	Soil	1.4	16.4	9.6	62	0.3	13.8	6.7	191	2.36	47.1	1.7	1.2	2.7	17	0.2	2.6	0.2	47	0.18	0.046
1533827	Soil	2.4	25.6	8.4	94	0.5	23.7	7.4	231	2.19	44.4	1.6	2.5	1.5	11	0.7	1.8	0.2	62	0.10	0.054
1533836	Soil	2.1	38.5	12.2	112	0.5	23.4	11.1	283	3.26	23.3	2.9	3.5	4.2	24	0.3	1.2	0.2	76	0.24	0.083
1532033	Soil	2.2	28.8	11.9	89	0.5	21.7	13.0	530	3.36	12.3	3.3	3.1	5.7	22	0.4	0.5	0.2	65	0.28	0.086
1532040	Soil	1.3	33.7	9.6	65	0.2	23.7	14.1	481	2.83	25.0	1.0	1.5	4.0	19	0.1	1.2	0.2	67	0.20	0.044
1532036	Soil	2.3	40.4	15.2	91	0.4	23.5	7.7	232	2.81	41.5	1.8	4.0	3.5	19	0.3	1.7	0.2	65	0.18	0.069
1520142	Soil	4.1	61.6	14.4	92	0.7	13.6	10.2	425	3.80	43.1	2.5	1.6	7.1	40	0.2	6.4	0.2	90	0.15	0.090
1532013	Soil	0.6	12.7	8.8	118	<0.1	12.3	9.7	483	4.12	7.8	1.1	<0.5	11.8	20	<0.1	0.7	<0.1	44	0.38	0.101
1532024	Soil	1.5	25.6	16.4	70	0.2	17.7	9.4	377	3.22	10.5	2.2	3.0	6.6	18	0.1	0.5	0.2	57	0.23	0.059
1532020	Soil	0.9	16.8	9.5	72	0.3	17.2	5.3	128	2.07	17.2	1.4	2.3	2.3	13	0.2	0.6	0.2	42	0.17	0.057
1532025	Soil	1.5	24.7	15.2	72	0.2	17.6	9.1	372	3.16	10.0	2.2	2.7	6.1	19	<0.1	0.5	0.2	56	0.24	0.060
1532023	Soil	1.0	17.7	8.6	49	0.5	12.7	3.2	82	1.62	27.0	1.9	1.2	1.0	14	0.2	0.5	0.1	27	0.17	0.058
1532026	Soil	1.8	22.8	11.8	88	0.5	20.0	6.6	172	2.69	29.8	2.2	3.6	4.2	14	0.2	0.8	0.2	61	0.18	0.067
1532021	Soil	1.2	17.9	9.7	61	0.3	16.4	4.9	109	2.06	21.8	1.6	6.9	1.9	14	0.2	0.6	0.2	41	0.17	0.055
1532016	Soil	1.2	21.8	13.2	83	0.1	16.4	14.4	424	3.78	7.1	1.9	1.4	8.4	21	0.2	0.3	0.1	65	0.33	0.089
1532027	Soil	1.7	25.7	14.1	101	0.3	22.8	15.4	477	3.36	21.6	2.0	3.3	6.0	13	0.2	0.7	0.1	69	0.17	0.065
1532022	Soil	0.6	17.6	10.0	58	0.4	14.0	4.0	96	1.27	10.8	1.6	3.6	1.5	13	0.3	0.6	0.1	30	0.15	0.040
1532008	Soil	1.1	26.8	9.5	67	<0.1	21.4	10.3	306	3.14	16.3	2.1	2.2	5.0	22	0.1	0.5	0.1	63	0.26	0.071
1532004	Soil	1.5	28.4	10.0	63	0.2	23.0	10.3	392	2.68	29.2	1.1	2.4	2.8	16	0.3	1.2	0.2	60	0.18	0.047
1532015	Soil	1.0	25.4	6.6	113	<0.1	17.4	17.9	446	4.90	3.8	1.5	1.0	6.7	22	<0.1	0.2	<0.1	82	0.55	0.189
1532031	Soil	1.5	21.2	11.3	80	0.3	19.3	12.9	438	3.44	15.1	2.9	3.2	7.0	21	0.2	0.5	0.1	62	0.37	0.091
1532029	Soil	1.1	14.8	11.1	60	0.2	14.1	6.3	186	2.72	7.6	2.0	<0.5	3.6	14	0.2	0.4	0.1	49	0.19	0.065
1532028	Soil	0.6	14.4	13.3	65	0.2	14.3	6.1	195	2.36	6.6	1.7	1.5	4.4	15	0.1	0.3	0.1	45	0.21	0.057
1532032	Soil	1.6	23.8	7.7	107	<0.1	26.5	16.5	661	3.76	5.3	1.7	3.6	7.0	18	0.2	0.3	<0.1	71	0.45	0.147
1532003	Soil	1.6	27.9	12.3	66	0.3	23.8	12.8	437	3.14	48.5	1.2	4.2	3.9	18	0.2	1.4	0.2	73	0.19	0.043
1532002	Soil	1.6	30.3	12.5	75	0.5	25.5	12.4	460	2.90	37.3	1.2	5.9	1.8	20	0.4	1.3	0.2	74	0.23	0.052



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Project: ERK

Report Date: September 05, 2017

Page: 8 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1532042	Soil	14	34	0.55	260	0.053	2	1.87	0.009	0.07	0.2	0.18	4.2	0.1	<0.05	5	<0.5	<0.2
1532045	Soil	16	51	0.63	411	0.079	2	2.03	0.009	0.08	0.2	0.30	8.9	0.3	<0.05	5	0.6	<0.2
1533831	Soil	21	36	0.70	160	0.109	2	1.85	0.008	0.30	0.2	0.03	4.3	0.4	<0.05	7	<0.5	<0.2
1532001	Soil	15	33	0.54	352	0.067	1	1.58	0.011	0.06	0.1	0.07	4.2	0.2	<0.05	5	0.5	<0.2
1533829	Soil	30	31	0.51	196	0.068	4	1.47	0.008	0.17	0.1	0.40	3.9	0.4	<0.05	6	<0.5	<0.2
1533827	Soil	26	31	0.24	189	0.050	2	1.00	0.006	0.08	0.1	0.25	4.1	0.5	<0.05	5	<0.5	<0.2
1533836	Soil	28	36	0.69	420	0.082	2	1.93	0.011	0.29	0.1	0.12	6.3	0.6	0.08	6	0.7	<0.2
1532033	Soil	48	39	0.68	336	0.088	2	2.10	0.011	0.22	0.1	0.08	5.5	0.3	0.05	8	<0.5	<0.2
1532040	Soil	16	35	0.62	348	0.076	2	1.71	0.010	0.06	0.2	0.15	5.8	0.2	<0.05	5	<0.5	<0.2
1532036	Soil	19	31	0.43	289	0.054	1	1.41	0.008	0.09	0.2	0.13	3.7	0.3	0.05	5	1.0	<0.2
1520142	Soil	35	34	0.54	431	0.088	<1	1.34	0.017	0.52	0.2	0.04	6.0	1.0	0.35	5	2.0	<0.2
1532013	Soil	59	33	0.99	334	0.117	1	2.77	0.005	1.02	0.1	<0.01	8.7	0.7	<0.05	12	<0.5	<0.2
1532024	Soil	26	32	0.55	226	0.088	1	1.78	0.009	0.19	0.2	0.04	4.5	0.3	<0.05	7	<0.5	<0.2
1532020	Soil	19	27	0.38	129	0.053	2	1.28	0.008	0.07	0.2	0.18	3.4	0.3	<0.05	4	<0.5	<0.2
1532025	Soil	30	31	0.57	237	0.088	2	1.86	0.010	0.18	0.2	0.04	4.7	0.2	<0.05	6	<0.5	<0.2
1532023	Soil	20	25	0.27	161	0.037	2	0.98	0.008	0.07	<0.1	0.41	2.7	0.4	0.06	4	0.6	<0.2
1532026	Soil	29	36	0.50	185	0.073	2	1.49	0.009	0.16	0.2	0.22	4.5	0.5	<0.05	5	<0.5	<0.2
1532021	Soil	19	28	0.37	145	0.051	2	1.20	0.008	0.07	0.2	0.21	3.1	0.4	0.05	5	0.6	<0.2
1532016	Soil	25	29	0.88	363	0.155	1	2.32	0.014	0.46	0.4	0.02	5.0	0.4	<0.05	8	<0.5	<0.2
1532027	Soil	23	43	0.69	179	0.105	1	1.67	0.007	0.28	0.1	0.08	4.6	0.6	<0.05	6	<0.5	<0.2
1532022	Soil	21	29	0.32	169	0.056	1	1.22	0.007	0.08	0.1	0.36	3.3	0.5	0.06	5	<0.5	<0.2
1532008	Soil	22	32	0.69	323	0.096	1	2.21	0.013	0.14	0.3	0.05	5.7	0.2	<0.05	6	<0.5	<0.2
1532004	Soil	15	33	0.50	260	0.054	1	1.50	0.008	0.06	0.2	0.12	4.5	0.2	<0.05	4	0.5	<0.2
1532015	Soil	32	36	1.33	581	0.202	<1	2.96	0.013	0.99	0.2	<0.01	7.6	0.5	<0.05	11	<0.5	<0.2
1532031	Soil	53	38	0.70	294	0.088	2	1.88	0.010	0.21	0.2	0.10	6.3	0.3	<0.05	7	<0.5	<0.2
1532029	Soil	31	32	0.51	192	0.076	2	1.56	0.010	0.13	0.2	0.08	4.2	0.2	0.06	6	<0.5	<0.2
1532028	Soil	24	39	0.61	167	0.095	1	1.65	0.009	0.25	0.1	0.08	4.5	0.3	<0.05	7	<0.5	<0.2
1532032	Soil	29	54	1.26	250	0.152	2	2.20	0.010	0.76	0.2	0.01	4.6	0.6	<0.05	9	<0.5	<0.2
1532003	Soil	15	36	0.52	286	0.056	2	2.01	0.008	0.05	0.2	0.20	5.3	0.2	<0.05	6	<0.5	<0.2
1532002	Soil	16	35	0.49	369	0.054	2	1.87	0.010	0.06	0.2	0.16	5.0	0.3	<0.05	6	<0.5	<0.2



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Page: 9 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1532030	Soil	1.1	12.6	10.2	66	0.2	14.2	6.0	197	2.28	6.2	1.7	1.9	3.6	20	0.1	0.2	0.1	47	0.37	0.061
1532185	Soil	0.8	16.4	11.7	35	0.3	11.2	2.7	68	1.57	13.2	1.0	1.7	0.5	13	0.1	1.2	0.2	24	0.15	0.061
1532012	Soil	1.0	9.8	10.1	52	<0.1	12.9	7.9	268	2.83	7.9	0.5	0.8	3.2	17	0.1	0.4	0.2	75	0.19	0.046
1532014	Soil	1.2	19.6	12.4	88	<0.1	17.1	9.6	462	3.58	9.3	1.9	1.7	9.5	16	<0.1	0.5	0.2	56	0.23	0.068
1532034	Soil	3.6	42.3	13.5	107	0.4	20.1	9.3	430	3.34	23.7	2.4	5.5	7.9	27	0.3	0.8	0.2	86	0.24	0.086
1532183	Soil	1.5	14.5	16.9	47	0.4	12.0	4.1	106	1.89	17.1	0.9	3.2	0.5	14	0.2	1.2	0.2	41	0.14	0.061
1532035	Soil	1.3	24.7	10.0	83	0.1	23.9	14.8	498	3.41	9.7	1.6	3.3	6.4	18	0.1	0.6	0.1	62	0.26	0.059
1532005	Soil	1.9	32.5	11.8	78	0.2	21.1	9.1	308	3.09	18.9	1.4	4.3	4.8	18	0.2	0.9	0.2	77	0.17	0.037
1532009	Soil	1.3	27.5	9.8	70	<0.1	23.7	12.4	415	3.37	10.3	1.5	3.8	6.4	16	0.2	0.5	0.2	66	0.19	0.071
1532208	Soil	1.4	15.3	11.7	61	0.2	17.0	7.1	193	2.30	18.4	0.9	1.3	2.5	13	0.1	0.6	0.2	44	0.18	0.053
1532006	Soil	0.9	19.5	5.8	71	<0.1	20.1	15.2	264	2.94	9.9	0.6	1.5	2.3	10	0.1	0.4	<0.1	74	0.17	0.035
1532010	Soil	1.1	21.7	9.0	71	0.2	21.8	12.9	364	3.21	10.7	1.1	3.0	5.1	18	<0.1	0.5	0.1	61	0.18	0.040
1532007	Soil	1.2	33.1	9.2	80	0.1	27.1	12.1	397	3.06	21.0	1.3	5.0	4.5	17	0.1	0.7	0.2	69	0.18	0.031
1532011	Soil	1.1	34.3	9.4	102	<0.1	23.4	24.4	573	5.46	7.6	1.4	1.2	5.8	22	<0.1	0.2	<0.1	77	0.42	0.165
1532184	Soil	1.1	15.1	15.1	46	0.4	12.5	3.7	88	1.65	13.8	0.9	3.5	0.5	14	0.2	1.2	0.2	31	0.16	0.055
1532199	Soil	1.4	20.2	16.6	51	0.6	13.5	4.5	149	2.12	53.2	1.4	8.0	0.7	14	0.2	3.1	0.3	41	0.14	0.060
1532196	Soil	1.8	33.0	9.6	111	0.3	30.1	8.1	254	2.64	10.0	1.3	3.0	3.6	18	0.4	0.4	0.2	56	0.18	0.064
1532203	Soil	2.0	50.2	14.0	108	0.2	55.5	16.5	556	3.90	8.5	1.9	2.2	13.2	14	0.2	0.2	0.3	56	0.25	0.092
1532209	Soil	0.7	14.5	10.0	46	0.3	17.0	4.4	124	2.11	17.1	1.0	2.3	1.6	14	<0.1	0.5	0.2	31	0.16	0.062
1532207	Soil	1.4	22.8	12.3	65	0.4	18.9	7.7	234	2.43	15.4	1.7	2.9	3.0	13	0.3	0.8	0.2	46	0.15	0.056
1532198	Soil	3.1	38.4	16.5	136	0.6	38.8	10.9	393	3.10	24.3	2.5	7.1	5.2	24	0.7	1.0	0.2	66	0.28	0.066
1532202	Soil	3.8	71.2	13.5	258	0.4	60.1	11.0	455	3.84	13.4	2.3	1.2	5.9	25	1.0	0.4	0.2	122	0.17	0.099
1532211	Soil	0.9	16.9	9.5	35	0.3	9.8	2.6	86	1.85	12.2	1.3	2.3	0.9	16	0.2	0.6	0.3	18	0.20	0.081
1532200	Soil	1.6	20.3	15.6	47	0.6	12.4	4.1	135	1.91	47.7	1.5	3.3	0.5	14	0.3	3.1	0.4	36	0.14	0.064
1532194	Soil	1.9	21.7	12.0	77	0.2	20.7	8.1	297	2.68	24.3	0.9	2.3	4.0	13	0.3	1.6	0.2	53	0.15	0.049
1532193	Soil	1.4	24.4	14.4	77	0.4	21.2	8.1	194	2.78	14.4	1.7	3.1	4.3	16	0.2	0.9	0.2	52	0.19	0.063
1532205	Soil	1.5	20.3	14.4	74	0.4	24.1	11.9	480	2.69	13.3	1.5	2.1	4.8	16	0.2	0.6	0.2	50	0.20	0.050
1532213	Soil	0.6	15.8	12.0	34	0.5	10.4	2.6	81	1.55	21.2	1.2	4.3	0.8	14	0.2	1.2	0.3	23	0.15	0.055
1532197	Soil	1.9	26.8	11.4	78	0.3	26.0	9.5	306	2.89	14.9	1.3	1.9	2.9	15	0.2	0.7	0.2	59	0.18	0.058
1532192	Soil	1.1	20.3	13.7	67	0.4	17.6	6.0	153	2.39	15.2	1.4	3.1	2.5	15	0.2	0.7	0.2	50	0.18	0.062



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Project: ERK

Report Date: September 05, 2017

Page: 9 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.05	1	0.5	0.2	
1532030	Soil	29	36	0.65	216	0.091	2	1.60	0.010	0.16	0.2	0.10	4.4	0.3	<0.05	7	<0.5	<0.2
1532185	Soil	10	21	0.24	142	0.029	1	1.01	0.007	0.04	0.2	0.12	2.2	0.2	0.07	4	<0.5	<0.2
1532012	Soil	12	47	0.57	300	0.108	<1	1.76	0.007	0.20	0.1	0.03	3.6	0.2	<0.05	9	<0.5	<0.2
1532014	Soil	35	38	0.73	197	0.112	1	2.29	0.007	0.50	0.2	0.03	6.7	0.4	<0.05	9	<0.5	<0.2
1532034	Soil	30	40	0.72	309	0.118	1	1.73	0.013	0.36	0.2	0.04	4.5	0.4	0.19	6	1.1	<0.2
1532183	Soil	12	24	0.34	165	0.034	1	1.14	0.008	0.06	0.3	0.17	2.1	0.2	<0.05	4	<0.5	<0.2
1532035	Soil	19	38	0.78	277	0.108	2	1.92	0.010	0.25	0.2	0.02	5.6	0.2	<0.05	6	<0.5	<0.2
1532005	Soil	15	42	0.63	292	0.073	2	1.95	0.009	0.09	0.2	0.05	5.3	0.3	<0.05	5	<0.5	<0.2
1532009	Soil	16	41	0.67	296	0.095	2	2.41	0.011	0.17	0.2	0.03	4.6	0.2	<0.05	6	<0.5	<0.2
1532208	Soil	14	41	0.49	158	0.064	2	1.36	0.007	0.11	0.2	0.04	2.7	0.2	<0.05	5	<0.5	<0.2
1532006	Soil	8	39	1.03	294	0.096	1	2.27	0.014	0.16	0.1	0.02	4.0	0.2	<0.05	6	<0.5	<0.2
1532010	Soil	20	39	0.64	374	0.078	2	2.02	0.010	0.13	0.2	0.02	5.7	0.2	<0.05	6	<0.5	<0.2
1532007	Soil	17	41	0.69	351	0.082	2	1.95	0.011	0.09	0.2	0.06	6.7	0.2	<0.05	5	<0.5	<0.2
1532011	Soil	19	58	1.50	460	0.243	1	4.04	0.019	1.13	0.2	0.02	5.8	0.6	<0.05	11	<0.5	<0.2
1532184	Soil	12	25	0.33	168	0.030	2	1.12	0.008	0.06	0.2	0.14	2.0	0.2	<0.05	4	<0.5	<0.2
1532199	Soil	15	26	0.33	159	0.030	2	1.22	0.008	0.06	0.2	0.55	2.2	0.4	<0.05	5	<0.5	<0.2
1532196	Soil	17	37	0.53	298	0.069	2	1.32	0.010	0.16	0.1	0.02	3.1	0.3	<0.05	5	0.5	<0.2
1532203	Soil	37	46	0.91	425	0.148	1	2.04	0.008	0.64	0.1	0.02	4.8	0.5	<0.05	6	<0.5	<0.2
1532209	Soil	17	28	0.35	152	0.050	2	1.03	0.009	0.08	0.2	0.08	2.4	0.2	0.06	4	<0.5	<0.2
1532207	Soil	27	31	0.44	189	0.049	2	1.46	0.008	0.08	0.2	0.07	3.5	0.2	<0.05	5	<0.5	<0.2
1532198	Soil	26	42	0.54	378	0.057	2	1.71	0.009	0.10	0.2	0.06	6.0	0.4	<0.05	5	<0.5	<0.2
1532202	Soil	34	60	0.97	354	0.113	2	2.01	0.013	0.43	0.2	0.02	5.3	0.4	0.10	8	1.6	<0.2
1532211	Soil	21	14	0.14	148	0.031	2	0.73	0.009	0.04	0.2	0.11	2.1	0.3	0.12	2	<0.5	<0.2
1532200	Soil	15	24	0.28	157	0.027	2	1.06	0.008	0.06	0.3	0.49	2.0	0.5	0.06	4	0.9	<0.2
1532194	Soil	16	31	0.39	218	0.049	<1	1.34	0.007	0.05	0.2	0.05	3.5	0.2	<0.05	4	<0.5	<0.2
1532193	Soil	30	36	0.56	290	0.060	1	1.80	0.008	0.09	0.2	0.08	4.3	0.3	<0.05	5	0.6	<0.2
1532205	Soil	38	37	0.51	311	0.074	2	1.44	0.008	0.13	0.2	0.06	4.0	0.2	<0.05	5	<0.5	<0.2
1532213	Soil	15	21	0.23	126	0.034	1	1.03	0.007	0.05	0.2	0.26	2.2	0.3	0.05	4	0.5	<0.2
1532197	Soil	18	37	0.51	300	0.059	1	1.70	0.008	0.11	0.2	0.04	3.7	0.2	<0.05	5	<0.5	<0.2
1532192	Soil	26	34	0.49	230	0.055	1	1.55	0.008	0.09	0.2	0.08	3.3	0.3	<0.05	5	<0.5	<0.2



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Project: ERK

Report Date: September 05, 2017

Page: 10 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method Analyte Unit 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	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1532188	Soil	15	30	0.38	137	0.048	2	1.18	0.008	0.08	0.2	0.09	2.4	0.2	<0.05	4	<0.5	<0.2
1532204	Soil	45	87	0.99	573	0.121	2	1.99	0.011	0.42	0.1	0.02	5.0	0.4	<0.05	6	0.5	<0.2
1532191	Soil	14	29	0.44	185	0.053	1	1.27	0.007	0.08	0.2	0.05	2.7	0.2	<0.05	4	<0.5	<0.2
1533170	Soil	15	32	0.47	276	0.050	1	1.79	0.008	0.05	0.2	0.05	4.6	0.1	<0.05	5	<0.5	<0.2
1532210	Soil	19	30	0.38	145	0.058	1	1.16	0.008	0.07	0.2	0.09	2.5	0.2	0.05	5	<0.5	<0.2
1532190	Soil	15	31	0.41	156	0.041	1	1.40	0.008	0.07	0.2	0.09	2.7	0.2	<0.05	5	<0.5	<0.2
1532206	Soil	24	34	0.49	264	0.063	2	1.39	0.009	0.12	0.1	0.05	3.1	0.2	<0.05	5	<0.5	<0.2
1533171	Soil	16	31	0.44	267	0.042	1	1.76	0.007	0.05	0.2	0.09	3.9	0.1	<0.05	5	<0.5	<0.2
1532212	Soil	17	25	0.24	116	0.036	1	0.89	0.008	0.06	0.5	0.20	2.3	0.3	0.07	3	<0.5	<0.2
1533162	Soil	29	35	0.67	366	0.096	1	1.83	0.008	0.23	0.1	0.03	5.0	0.3	<0.05	5	<0.5	<0.2
1532187	Soil	19	29	0.42	157	0.052	1	1.35	0.008	0.13	0.1	0.10	3.0	0.3	<0.05	4	0.5	<0.2
1533169	Soil	13	30	0.35	380	0.046	1	1.93	0.009	0.05	0.2	0.06	3.1	0.2	<0.05	7	<0.5	<0.2
1532201	Soil	40	46	0.86	263	0.132	1	1.76	0.013	0.55	0.2	0.02	5.5	0.5	0.06	7	1.8	<0.2
1532186	Soil	17	27	0.41	154	0.047	2	1.31	0.008	0.06	0.2	0.09	2.9	0.3	<0.05	5	<0.5	<0.2
1533163	Soil	22	37	0.65	509	0.089	2	1.82	0.009	0.16	0.2	0.04	5.1	0.2	<0.05	5	0.5	<0.2
1533168	Soil	18	32	0.41	271	0.053	2	1.53	0.008	0.05	0.2	0.05	4.8	0.1	<0.05	5	0.7	<0.2
1533166	Soil	19	42	0.58	566	0.070	2	2.07	0.010	0.07	0.2	0.05	6.1	0.2	<0.05	6	<0.5	<0.2
1533155	Soil	16	42	0.51	386	0.063	2	2.00	0.010	0.07	0.2	0.04	5.0	0.2	<0.05	6	0.7	<0.2
1533156	Soil	21	34	0.53	666	0.057	1	1.68	0.011	0.06	0.2	0.08	6.2	<0.1	<0.05	5	0.7	<0.2
1533160	Soil	20	40	0.56	524	0.067	2	1.84	0.011	0.07	0.1	0.08	6.8	0.2	<0.05	5	0.6	<0.2
1533164	Soil	15	42	0.57	470	0.073	2	1.81	0.009	0.09	0.1	0.06	4.9	0.2	<0.05	6	0.7	<0.2
1533153	Soil	13	29	0.23	162	0.065	<1	1.36	0.007	0.05	0.1	0.02	2.4	0.2	<0.05	9	<0.5	<0.2
1533157	Soil	16	40	0.58	519	0.063	2	2.11	0.009	0.06	0.2	0.07	5.0	0.1	<0.05	6	0.5	<0.2
1533158	Soil	20	36	0.55	507	0.061	2	1.66	0.010	0.06	0.1	0.05	4.9	0.2	<0.05	5	<0.5	<0.2
1533165	Soil	16	49	0.60	596	0.084	2	1.70	0.011	0.13	0.1	0.07	5.8	0.2	<0.05	5	0.9	<0.2
1533154	Soil	18	42	0.55	511	0.061	2	2.22	0.010	0.08	0.2	0.07	6.3	0.1	<0.05	6	0.6	<0.2
1533159	Soil	22	54	0.73	577	0.103	1	1.99	0.011	0.13	0.1	0.07	6.4	0.2	<0.05	6	1.1	<0.2
1533146	Soil	52	46	0.62	1177	0.074	2	2.28	0.006	0.44	<0.1	0.22	7.9	0.7	<0.05	9	1.1	<0.2
1533167	Soil	16	36	0.50	319	0.069	1	1.99	0.010	0.05	0.2	0.03	4.8	0.1	<0.05	6	<0.5	<0.2
1533152	Soil	15	33	0.43	334	0.056	2	1.83	0.009	0.05	0.2	0.06	4.0	0.1	<0.05	5	<0.5	<0.2



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Project: ERK

Report Date: September 05, 2017

Page: 11 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method Analyte Unit 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	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1533161	Soil	28	52	0.89	429	0.104	1	2.14	0.011	0.18	0.1	0.05	5.8	0.3	0.07	6	1.0	<0.2
1533150	Soil	20	32	0.44	517	0.053	2	1.73	0.009	0.07	0.2	0.08	4.7	0.1	<0.05	5	0.6	<0.2
1533148	Soil	20	33	0.47	701	0.058	2	1.81	0.010	0.08	0.1	0.13	6.0	0.1	<0.05	6	0.6	<0.2
1533144	Soil	33	39	0.52	343	0.068	2	1.83	0.008	0.20	0.1	0.13	4.5	0.4	<0.05	7	0.6	<0.2
1533141	Soil	52	41	0.60	810	0.097	1	1.91	0.007	0.36	<0.1	0.17	7.3	0.6	<0.05	6	0.6	<0.2
1533907	Soil	18	35	0.62	210	0.109	2	2.17	0.008	0.24	0.3	0.03	4.0	0.3	<0.05	7	<0.5	<0.2
1533149	Soil	18	32	0.42	506	0.059	1	1.45	0.009	0.06	0.1	0.08	4.8	<0.1	<0.05	5	0.9	<0.2
1533142	Soil	68	26	0.37	331	0.064	2	1.75	0.005	0.29	<0.1	0.11	5.3	0.7	<0.05	6	<0.5	<0.2
1533140	Soil	24	31	0.38	416	0.049	2	1.70	0.007	0.10	0.1	0.13	4.9	0.2	<0.05	5	<0.5	<0.2
1533906	Soil	49	38	0.70	461	0.108	2	2.04	0.010	0.17	0.3	0.03	6.7	0.2	<0.05	6	0.6	<0.2
1533151	Soil	18	35	0.49	510	0.056	1	1.90	0.010	0.07	0.2	0.08	5.3	0.1	<0.05	5	0.6	<0.2
1533145	Soil	26	36	0.35	366	0.065	2	1.74	0.006	0.13	<0.1	0.24	4.1	0.4	<0.05	7	0.6	<0.2
1533139	Soil	17	20	0.13	152	0.017	1	1.25	0.005	0.05	<0.1	0.06	0.8	0.2	<0.05	6	<0.5	<0.2
1533916	Soil	27	24	0.66	265	0.181	1	1.87	0.008	0.64	0.2	0.02	6.0	0.6	<0.05	9	<0.5	<0.2
1533147	Soil	20	34	0.40	525	0.074	2	1.54	0.007	0.12	0.1	0.07	3.5	0.2	<0.05	6	<0.5	<0.2
1533143	Soil	45	41	0.42	779	0.073	3	2.64	0.007	0.18	0.2	0.20	7.5	0.4	<0.05	9	<0.5	<0.2
1533915	Soil	19	29	0.48	284	0.112	5	1.79	0.008	0.20	0.2	0.01	4.1	0.2	<0.05	7	<0.5	<0.2
1532355	Soil	31	42	0.77	314	0.134	2	2.29	0.008	0.30	0.2	0.02	5.5	0.4	<0.05	8	<0.5	<0.2
1532352	Soil	41	25	0.58	262	0.115	2	1.69	0.007	0.33	0.2	0.02	4.4	0.4	<0.05	7	<0.5	<0.2
1533905	Soil	26	32	0.88	336	0.154	2	1.91	0.006	0.59	0.5	0.02	6.0	0.5	<0.05	7	<0.5	<0.2
1532362	Soil	15	28	0.43	143	0.057	2	1.51	0.007	0.07	0.2	0.08	3.5	0.3	<0.05	5	<0.5	<0.2
1533921	Soil	16	26	0.39	178	0.042	2	1.30	0.008	0.06	0.2	0.08	3.0	0.2	<0.05	4	0.5	<0.2
1533912	Soil	43	19	0.45	318	0.090	2	1.65	0.006	0.42	0.2	0.06	6.1	0.6	<0.05	7	<0.5	<0.2
1533909	Soil	21	23	0.50	273	0.117	2	1.71	0.008	0.35	0.2	0.03	3.8	0.4	<0.05	8	<0.5	<0.2
1532363	Soil	21	31	0.53	226	0.073	1	1.45	0.008	0.19	0.2	0.08	4.4	0.4	<0.05	5	0.8	<0.2
1533922	Soil	19	28	0.43	233	0.050	2	1.40	0.009	0.06	0.2	0.11	4.3	0.2	<0.05	4	0.6	<0.2
1533910	Soil	30	27	0.58	294	0.108	1	1.74	0.007	0.29	0.3	0.03	4.1	0.4	<0.05	7	<0.5	<0.2
1533925	Soil	25	29	0.45	182	0.053	1	1.53	0.008	0.09	0.2	0.16	5.1	0.3	<0.05	4	0.7	<0.2
1533917	Soil	83	33	0.52	373	0.067	1	1.51	0.009	0.14	0.3	0.11	4.4	0.3	<0.05	5	1.2	<0.2
1533924	Soil	21	28	0.49	162	0.061	1	1.49	0.009	0.10	0.1	0.13	4.0	0.3	<0.05	4	0.6	<0.2



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Project: ERK
Report Date: September 05, 2017

Page: 12 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1533913	Soil	0.9	9.0	35.0	81	0.5	10.3	6.2	402	3.04	6.9	1.3	<0.5	15.1	15	0.3	0.7	0.8	42	0.17	0.052
1533918	Soil	1.7	20.5	11.3	75	0.1	19.4	8.6	327	2.56	22.0	1.2	1.6	2.8	15	0.2	1.3	0.2	51	0.17	0.067
1532353	Soil	1.0	10.7	16.3	66	0.3	11.7	5.7	305	2.69	6.1	1.1	<0.5	9.9	14	0.2	0.4	0.3	42	0.19	0.056
1533923	Soil	2.0	29.3	12.6	83	0.2	25.1	9.0	343	2.58	22.7	1.4	<0.5	3.4	15	0.3	1.4	0.2	52	0.18	0.059
1533920	Soil	1.8	17.7	9.5	67	0.1	17.6	6.1	147	2.21	21.6	0.9	1.2	1.9	13	0.2	1.0	0.2	53	0.16	0.051
1533908	Soil	1.4	11.0	19.5	53	0.3	12.4	6.2	268	2.64	9.0	0.5	0.8	4.7	14	0.3	0.4	0.3	54	0.13	0.053
1532354	Soil	1.2	18.7	16.9	78	0.2	19.1	10.0	501	2.93	8.1	1.5	3.9	10.7	19	0.2	0.5	0.3	56	0.22	0.045
1534309	Soil	1.1	31.7	5.7	87	0.1	38.5	17.1	426	2.97	6.4	0.6	<0.5	2.0	10	0.4	0.3	<0.1	75	0.19	0.058
1532358	Soil	1.6	22.0	14.1	90	0.1	19.8	14.4	699	3.02	14.6	1.5	<0.5	7.9	13	0.2	1.1	0.2	47	0.15	0.062
1532361	Soil	1.8	26.5	13.7	91	0.1	22.2	11.0	357	3.01	20.4	1.2	<0.5	5.0	16	0.4	1.2	0.2	54	0.18	0.054
1532357	Soil	1.1	17.9	16.8	83	0.2	20.1	7.9	367	2.36	5.3	2.2	0.7	19.3	19	0.2	0.8	0.2	38	0.27	0.041
1534302	Soil	1.4	32.8	20.5	87	0.2	28.6	11.8	308	2.68	14.5	1.0	<0.5	3.3	15	0.3	0.8	0.2	67	0.18	0.043
1532356	Soil	1.3	15.2	18.8	64	0.4	18.7	5.6	283	2.44	5.4	2.9	1.9	21.3	19	0.1	0.6	0.3	37	0.22	0.026
1533919	Soil	1.4	18.6	10.0	66	0.1	17.2	6.2	136	2.06	14.8	0.9	<0.5	1.9	14	0.2	0.9	0.2	48	0.16	0.050
1533904	Soil	1.1	17.3	23.6	86	0.2	18.0	10.2	515	3.04	10.7	1.0	<0.5	8.0	14	0.2	0.6	1.1	53	0.23	0.079
1532195	Soil	1.3	28.8	12.4	83	0.3	21.8	9.9	363	2.76	16.8	1.4	<0.5	2.9	17	0.4	1.2	0.2	55	0.19	0.066
1533914	Soil	1.5	16.1	19.0	75	1.0	15.3	9.3	634	2.92	6.8	1.0	<0.5	8.9	16	0.2	0.4	0.4	52	0.18	0.051
1532351	Soil	0.9	12.1	18.1	76	0.2	14.9	11.7	1582	2.67	6.0	1.4	<0.5	13.2	15	0.3	0.4	0.2	49	0.19	0.055
1532359	Soil	1.3	18.6	11.4	84	<0.1	19.9	10.2	503	2.59	10.5	1.4	<0.5	9.9	14	0.2	0.8	0.2	41	0.18	0.055
1532189	Soil	1.7	20.2	13.9	69	0.3	19.8	7.4	219	2.41	17.0	1.1	<0.5	2.4	15	0.2	0.5	0.2	50	0.19	0.053



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Report Date: September 05, 2017

Page: 12 of 12

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000530.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1533913	Soil	10	22	0.63	208	0.112	1	2.11	0.005	0.54	0.2	0.02	4.4	0.7	<0.05	10	<0.5	0.2
1533918	Soil	18	23	0.35	151	0.047	2	1.25	0.008	0.07	0.3	0.06	2.9	0.2	<0.05	4	<0.5	<0.2
1532353	Soil	33	19	0.49	303	0.118	1	1.61	0.006	0.38	0.3	0.03	4.0	0.4	<0.05	7	<0.5	<0.2
1533923	Soil	19	26	0.42	197	0.051	2	1.34	0.008	0.07	0.3	0.11	3.8	0.2	<0.05	4	<0.5	<0.2
1533920	Soil	14	22	0.34	132	0.042	2	1.19	0.007	0.05	0.2	0.08	2.3	0.2	<0.05	4	0.6	<0.2
1533908	Soil	13	25	0.41	225	0.071	<1	1.52	0.007	0.15	0.2	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
1532354	Soil	34	32	0.59	354	0.098	2	1.76	0.008	0.22	0.2	0.02	4.4	0.2	<0.05	7	<0.5	<0.2
1534309	Soil	9	44	0.83	198	0.068	<1	1.93	0.013	0.10	0.2	0.01	5.0	0.1	<0.05	5	0.5	<0.2
1532358	Soil	25	28	0.44	168	0.073	1	1.64	0.007	0.21	0.2	0.04	3.9	0.3	<0.05	6	<0.5	<0.2
1532361	Soil	19	27	0.47	203	0.061	2	1.49	0.007	0.14	0.3	0.06	3.8	0.3	<0.05	5	<0.5	<0.2
1532357	Soil	75	30	0.48	268	0.092	1	1.24	0.011	0.28	0.3	0.07	5.0	0.4	<0.05	5	0.9	<0.2
1534302	Soil	13	38	0.60	244	0.070	1	1.44	0.009	0.07	0.2	0.03	4.8	0.2	<0.05	4	0.7	<0.2
1532356	Soil	122	25	0.42	419	0.083	2	1.32	0.009	0.24	0.2	0.12	5.7	0.3	<0.05	5	<0.5	<0.2
1533919	Soil	15	23	0.35	139	0.046	<1	1.23	0.007	0.05	0.2	0.08	2.7	0.2	<0.05	4	<0.5	<0.2
1533904	Soil	24	30	0.71	195	0.108	<1	1.91	0.008	0.40	0.4	0.02	3.8	0.3	<0.05	7	<0.5	0.2
1532195	Soil	20	34	0.47	284	0.042	1	1.65	0.009	0.06	0.2	0.08	4.4	0.2	<0.05	5	<0.5	<0.2
1533914	Soil	20	24	0.51	299	0.092	1	1.66	0.007	0.29	0.2	0.03	4.0	0.3	<0.05	7	<0.5	<0.2
1532351	Soil	54	23	0.43	460	0.083	2	1.64	0.009	0.27	0.2	0.02	4.2	0.3	<0.05	7	<0.5	<0.2
1532359	Soil	29	30	0.46	190	0.088	<1	1.43	0.007	0.26	0.2	0.04	3.8	0.4	<0.05	6	<0.5	<0.2
1532189	Soil	16	49	0.60	203	0.063	1	1.50	0.008	0.09	0.2	0.06	3.1	0.2	<0.05	5	<0.5	<0.2



QUALITY CONTROL REPORT

WHI17000530.1

Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1442986	Soil	0.9	25.7	10.8	77	0.1	24.5	12.3	469	3.40	14.9	1.4	3.8	8.2	19	<0.1	0.9	0.2	57	0.29	0.053
REP 1442986	QC	1.0	25.4	10.5	78	0.1	23.7	11.3	463	3.30	15.2	1.4	1.5	8.6	20	<0.1	0.8	0.1	57	0.30	0.055
1532137	Soil	1.6	38.9	16.9	95	0.3	28.4	11.9	816	2.81	13.9	1.8	3.9	6.4	48	0.3	1.2	0.2	50	0.93	0.071
REP 1532137	QC	1.3	35.6	16.5	92	0.3	26.9	10.9	811	2.61	13.1	1.7	3.4	6.3	47	0.2	1.1	0.2	48	0.94	0.067
1533989	Soil	2.9	53.2	16.4	83	0.2	48.4	13.6	536	4.10	96.0	1.5	1.8	5.3	19	0.2	7.5	0.4	80	0.12	0.051
REP 1533989	QC	3.0	53.6	16.3	82	0.2	47.6	13.2	554	4.17	93.5	1.5	<0.5	5.2	20	0.2	7.7	0.5	79	0.10	0.053
1534483	Soil	2.0	33.0	11.3	79	0.2	28.7	10.6	390	3.41	22.6	0.9	0.6	5.0	12	0.3	1.1	0.3	68	0.11	0.029
REP 1534483	QC	2.0	32.5	11.2	80	0.2	27.1	10.4	372	3.23	22.5	0.9	2.4	5.0	12	0.3	1.0	0.2	67	0.11	0.028
1532041	Soil	1.6	26.8	13.7	67	0.2	22.1	9.8	381	2.79	37.1	1.1	3.2	3.2	16	0.2	1.3	0.2	59	0.15	0.047
REP 1532041	QC	1.6	27.6	13.6	66	0.2	22.9	9.9	399	2.76	37.6	1.1	6.8	3.2	16	0.2	1.4	0.2	59	0.15	0.045
1532014	Soil	1.2	19.6	12.4	88	<0.1	17.1	9.6	462	3.58	9.3	1.9	1.7	9.5	16	<0.1	0.5	0.2	56	0.23	0.068
REP 1532014	QC	1.1	19.6	12.7	89	<0.1	17.1	9.6	448	3.64	9.0	1.9	2.6	9.6	16	0.1	0.5	0.2	58	0.24	0.073
1533162	Soil	1.0	31.5	11.7	77	<0.1	30.9	13.6	476	3.12	9.2	1.7	5.9	10.0	11	0.2	0.6	0.2	53	0.13	0.037
REP 1533162	QC	1.0	31.8	11.4	78	<0.1	29.5	12.7	462	2.99	9.1	1.6	3.4	9.9	11	0.2	0.6	0.2	51	0.13	0.036
1533161	Soil	2.5	86.0	16.0	153	0.2	50.1	14.9	401	3.71	24.6	2.2	3.9	9.4	20	0.6	3.2	0.3	90	0.09	0.039
REP 1533161	QC	2.6	86.6	16.2	155	0.2	51.3	15.2	410	3.80	24.4	2.2	3.3	9.5	22	0.5	3.1	0.4	89	0.10	0.040
1532355	Soil	2.0	24.9	22.9	95	0.4	24.0	12.1	465	3.55	9.1	1.5	14.5	10.1	22	0.2	0.4	0.6	76	0.29	0.077
REP 1532355	QC	1.9	25.3	22.7	95	0.4	23.4	11.3	441	3.44	8.7	1.5	1.8	9.9	22	0.2	0.4	0.6	70	0.28	0.075
1532351	Soil	0.9	12.1	18.1	76	0.2	14.9	11.7	1582	2.67	6.0	1.4	<0.5	13.2	15	0.3	0.4	0.2	49	0.19	0.055
REP 1532351	QC	1.0	12.4	17.5	75	0.2	15.1	11.5	1527	2.74	5.9	1.4	0.6	12.8	16	0.3	0.4	0.2	47	0.18	0.059
Reference Materials																					
STD DS11	Standard	13.1	153.8	136.7	340	1.7	74.8	13.4	979	3.07	41.8	2.4	100.9	7.3	63	2.2	8.2	10.7	50	1.02	0.072
STD DS11	Standard	13.6	147.7	133.5	332	1.7	77.2	13.1	972	2.95	41.6	2.3	85.0	7.0	62	2.4	8.5	10.6	49	1.01	0.068
STD DS11	Standard	14.1	148.1	138.6	343	1.7	75.9	13.8	1012	3.08	43.2	2.5	78.0	7.4	60	2.2	8.1	10.3	52	0.99	0.068
STD DS11	Standard	13.7	156.4	137.7	338	1.6	84.1	14.0	972	3.09	41.8	2.4	61.3	7.5	64	2.3	8.3	10.9	50	1.01	0.070
STD DS11	Standard	12.7	142.7	129.1	322	1.6	75.2	13.4	970	2.93	40.6	2.3	73.9	6.8	59	2.4	7.9	10.9	48	0.97	0.065
STD DS11	Standard	14.0	137.6	135.0	326	1.7	77.8	13.9	1023	3.14	42.4	2.4	64.4	7.2	61	2.4	8.0	11.2	48	1.00	0.073
STD DS11	Standard	14.9	151.5	147.9	355	1.9	82.6	14.2	1056	3.25	46.4	2.5	72.2	8.1	66	2.5	9.2	12.4	54	1.12	0.078



QUALITY CONTROL REPORT

WHI17000530.1

Method Analyte Unit MDL	AQ201	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	
Pulp Duplicates																		
1442986 Soil	33	40	0.62	371	0.062	1	1.77	0.008	0.17	0.1	0.13	8.3	0.3	<0.05	6	<0.5	<0.2	
REP 1442986 QC	32	40	0.61	382	0.063	1	1.73	0.008	0.17	0.1	0.15	8.2	0.3	<0.05	6	<0.5	<0.2	
1532137 Soil	28	45	0.56	515	0.060	2	1.46	0.009	0.14	0.2	0.05	4.5	0.2	<0.05	5	<0.5	<0.2	
REP 1532137 QC	28	46	0.52	498	0.061	3	1.38	0.008	0.14	0.2	0.06	4.3	0.2	0.05	4	<0.5	<0.2	
1533989 Soil	17	71	0.64	146	0.082	1	1.79	0.006	0.18	0.2	0.06	4.2	0.3	0.07	7	0.8	<0.2	
REP 1533989 QC	16	71	0.62	150	0.083	1	1.77	0.006	0.17	0.2	0.06	4.2	0.3	0.07	7	0.6	<0.2	
1534483 Soil	12	34	0.47	230	0.060	<1	1.78	0.006	0.07	0.1	0.02	4.1	0.2	<0.05	6	<0.5	<0.2	
REP 1534483 QC	12	35	0.47	222	0.062	1	1.89	0.006	0.07	0.2	0.04	4.0	0.2	<0.05	5	<0.5	<0.2	
1532041 Soil	14	34	0.50	250	0.044	1	1.85	0.007	0.05	0.2	0.14	4.6	0.1	<0.05	5	<0.5	<0.2	
REP 1532041 QC	15	35	0.52	251	0.045	1	1.79	0.008	0.05	0.2	0.16	4.5	0.1	<0.05	5	<0.5	<0.2	
1532014 Soil	35	38	0.73	197	0.112	1	2.29	0.007	0.50	0.2	0.03	6.7	0.4	<0.05	9	<0.5	<0.2	
REP 1532014 QC	35	40	0.75	193	0.113	1	2.28	0.008	0.50	0.2	0.03	6.6	0.4	<0.05	9	<0.5	<0.2	
1533162 Soil	29	35	0.67	366	0.096	1	1.83	0.008	0.23	0.1	0.03	5.0	0.3	<0.05	5	<0.5	<0.2	
REP 1533162 QC	29	34	0.68	360	0.092	<1	1.76	0.008	0.21	0.1	0.03	4.9	0.3	<0.05	4	<0.5	<0.2	
1533161 Soil	28	52	0.89	429	0.104	1	2.14	0.011	0.18	0.1	0.05	5.8	0.3	0.07	6	1.0	<0.2	
REP 1533161 QC	28	52	0.87	447	0.104	1	2.15	0.012	0.18	<0.1	0.05	5.6	0.4	0.05	6	1.1	<0.2	
1532355 Soil	31	42	0.77	314	0.134	2	2.29	0.008	0.30	0.2	0.02	5.5	0.4	<0.05	8	<0.5	<0.2	
REP 1532355 QC	31	40	0.76	310	0.129	1	2.31	0.008	0.30	0.2	0.02	5.3	0.4	<0.05	8	<0.5	<0.2	
1532351 Soil	54	23	0.43	460	0.083	2	1.64	0.009	0.27	0.2	0.02	4.2	0.3	<0.05	7	<0.5	<0.2	
REP 1532351 QC	52	22	0.42	457	0.083	<1	1.61	0.009	0.26	0.2	0.02	4.2	0.3	<0.05	7	<0.5	<0.2	
Reference Materials																		
STD DS11 Standard	17	57	0.82	356	0.084	6	1.11	0.067	0.37	3.1	0.26	3.3	4.8	0.25	5	2.3	4.7	
STD DS11 Standard	16	57	0.81	361	0.085	7	1.07	0.067	0.38	2.9	0.25	3.0	4.4	0.27	4	2.1	4.6	
STD DS11 Standard	17	58	0.83	352	0.086	7	1.12	0.071	0.37	2.9	0.26	3.5	4.9	0.27	5	2.4	4.4	
STD DS11 Standard	18	59	0.85	353	0.091	7	1.17	0.070	0.38	3.1	0.21	3.2	5.1	0.26	5	2.5	4.4	
STD DS11 Standard	16	55	0.78	351	0.081	7	1.06	0.065	0.36	2.9	0.25	3.0	4.6	0.27	5	2.0	4.4	
STD DS11 Standard	17	57	0.85	368	0.087	7	1.11	0.068	0.38	2.9	0.27	3.2	5.0	0.28	5	2.1	4.5	
STD DS11 Standard	18	64	0.95	395	0.089	8	1.21	0.080	0.41	3.4	0.28	3.3	5.6	0.29	5	2.4	5.0	



BUREAU MINERAL LABORATORIES VERITAS Canada

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Client: Pacific Ridge Exploration Ltd. Suite 1100, 1111 Melville St, Vancouver British Columbia V6E 3V6 Canada

Project: ERK Report Date: September 05, 2017

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Page: 2 of 2 Part: 1 of 2

QUALITY CONTROL REPORT

WHI17000530.1

Table with 21 columns (AQ201 Mo to AQ201 P) and rows for standards (STD DS11, STD OXC129) and blanks (BLK). Values are listed in ppm or % for each element.

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



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Page: 2 of 2

Part: 2 of 2

QUALITY CONTROL REPORT

WHI17000530.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS11	Standard	19	58	0.84	369	0.091	7	1.16	0.072	0.39	2.9	0.24	3.1	5.0	0.29	4	2.2	4.9
STD DS11	Standard	18	59	0.82	372	0.092	8	1.08	0.067	0.39	3.0	0.25	3.1	4.7	0.28	5	2.0	4.8
STD DS11	Standard	22	60	0.84	368	0.100	8	1.12	0.071	0.40	3.1	0.25	3.6	5.0	0.24	5	2.3	4.7
STD DS11	Standard	21	59	0.84	379	0.109	7	1.22	0.077	0.40	3.1	0.24	3.5	5.1	0.25	5	2.2	4.7
STD OXC129	Standard	12	49	1.52	47	0.376	1	1.49	0.560	0.35	<0.1	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	50	1.45	48	0.379	1	1.54	0.562	0.35	<0.1	<0.01	1.1	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	52	1.55	49	0.392	1	1.48	0.608	0.38	<0.1	<0.01	1.2	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	51	1.52	48	0.378	2	1.48	0.549	0.34	<0.1	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	51	1.49	51	0.373	1	1.41	0.580	0.33	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	11	50	1.40	45	0.376	<1	1.43	0.547	0.32	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	49	1.53	48	0.375	1	1.50	0.581	0.33	<0.1	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	13	53	1.52	50	0.406	1	1.49	0.558	0.38	<0.1	<0.01	1.4	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	12	53	1.48	49	0.415	1	1.54	0.567	0.37	<0.1	<0.01	1.2	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	15	55	1.63	52	0.414	<1	1.79	0.626	0.37	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	55	1.53	54	0.412	1	1.72	0.613	0.35	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
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



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Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: August 09, 2017
Report Date: September 02, 2017
Page: 1 of 11

CERTIFICATE OF ANALYSIS

WHI17000531.1

CLIENT JOB INFORMATION

Project: ERK
Shipment ID: ERK-20170806-001-SOIL
P.O. Number
Number of Samples: 281

SAMPLE DISPOSAL

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

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


Invoice To: Ground Truth Exploration Inc.
Box 70
Dawson Yukon Y0B 1G0
Canada

CC: Isaac Fage
Jodie Gibson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	281	Dry at 60C			WHI
SS80	281	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	281	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	281	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS


JEFFREY CANNON
Geochemistry Department Supervisor

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



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Project: ERK
Report Date: September 02, 2017

Page: 2 of 11 Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000531.1

Method Analyte Unit	AQ201																					
	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	MDL	
	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001		
1534325	Soil	1.4	23.0	10.8	84	<0.1	23.8	11.6	424	3.30	11.2	1.3	10.9	7.6	21	0.2	0.8	0.2	62	0.24	0.061	
1533901	Soil	2.2	38.3	13.0	178	0.2	47.7	15.1	396	3.83	30.4	1.3	3.3	2.5	17	0.7	2.4	0.3	90	0.17	0.049	
1533064	Soil	2.6	25.5	31.1	50	0.2	14.8	5.8	295	3.21	142.9	0.9	4.4	3.1	17	0.3	17.8	0.3	56	0.13	0.053	
1533059	Soil	1.2	31.9	11.3	86	0.2	64.8	18.9	735	3.69	6.7	1.7	3.1	6.3	24	0.2	1.3	0.2	84	0.34	0.087	
1533903	Soil	2.0	35.1	15.0	130	0.1	43.8	16.8	785	4.59	47.5	1.4	2.8	7.8	21	0.5	2.5	0.3	101	0.26	0.062	
1534322	Soil	1.4	25.6	12.1	68	0.1	24.5	10.4	382	3.20	15.0	1.5	2.3	5.4	16	0.4	0.9	0.2	70	0.13	0.040	
1533057	Soil	1.5	29.9	12.6	93	0.2	24.4	11.6	476	3.31	9.1	1.9	6.4	7.7	31	0.2	0.7	0.2	58	0.28	0.084	
1533062	Soil	1.2	30.5	20.0	95	0.1	39.9	18.0	577	3.81	10.6	1.1	2.5	7.2	21	0.3	0.7	0.2	69	0.23	0.037	
1533902	Soil	1.5	45.9	13.2	118	0.2	38.8	13.8	448	3.68	28.3	2.1	4.4	5.8	19	0.4	1.8	0.2	84	0.22	0.047	
1534321	Soil	1.0	23.7	7.6	69	<0.1	16.2	12.0	362	3.37	8.4	1.0	4.1	3.1	20	0.1	0.6	0.1	69	0.21	0.040	
1533058	Soil	1.3	27.4	11.7	72	0.3	30.9	7.8	291	2.79	7.1	1.9	0.7	4.1	24	0.2	0.6	0.2	60	0.28	0.079	
1533055	Soil	1.4	31.4	13.5	122	0.1	21.1	15.3	794	3.46	15.5	2.5	1.3	12.9	32	0.2	2.6	0.1	51	0.35	0.116	
1534323	Soil	2.0	50.2	10.9	119	0.2	41.4	11.7	387	3.81	11.5	2.0	6.4	6.8	18	0.3	0.8	0.2	83	0.19	0.053	
1534324	Soil	1.5	21.2	11.2	82	<0.1	22.9	11.2	430	3.28	11.4	1.2	1.2	7.8	21	0.3	0.7	0.2	64	0.25	0.055	
1533060	Soil	1.8	44.1	15.8	101	0.6	26.8	13.1	632	3.34	8.3	3.6	4.0	8.4	23	0.2	0.8	0.2	59	0.25	0.077	
1533063	Soil	2.0	34.8	14.6	64	0.3	20.5	7.7	304	2.80	109.2	1.2	6.5	2.2	19	0.2	16.7	0.2	51	0.14	0.055	
1533054	Soil	1.7	33.5	14.6	115	0.2	31.4	13.8	656	3.70	21.0	2.4	8.3	10.9	32	0.2	3.8	0.2	55	0.32	0.112	
1533050	Soil	0.3	63.0	7.3	31	0.6	1394.4	119.2	1278	5.87	4.5	0.7	0.7	5.9	19	0.3	0.4	0.2	29	0.53	0.035	
1533038	Soil	1.2	14.9	6.8	59	<0.1	19.5	7.5	303	2.59	4.6	0.8	<0.5	1.0	17	0.3	0.4	<0.1	58	0.20	0.045	
1533039	Soil	1.3	25.8	7.4	103	<0.1	26.0	13.9	645	3.72	5.4	1.4	<0.5	8.6	27	<0.1	0.5	<0.1	64	0.31	0.086	
1533056	Soil	2.7	29.9	14.8	83	0.2	20.3	12.5	668	3.00	54.0	1.5	2.4	4.9	23	0.4	7.0	0.3	53	0.17	0.068	
1533061	Soil	2.6	73.9	16.9	115	0.4	31.6	12.7	798	4.13	8.3	3.7	5.5	11.2	28	0.3	0.8	0.2	57	0.22	0.070	
1533036	Soil	1.2	41.9	44.6	89	0.6	36.2	10.0	552	3.25	5.7	3.4	1.9	8.4	27	1.3	0.5	0.2	67	0.27	0.107	
1533051	Soil	0.7	16.1	10.5	53	0.3	15.3	4.1	153	1.82	8.6	1.8	4.9	2.6	21	0.2	0.6	0.2	35	0.24	0.068	
1533037	Soil	1.0	20.0	9.0	86	<0.1	25.2	11.7	434	3.31	7.2	0.8	2.1	5.5	20	<0.1	0.5	0.1	61	0.28	0.071	
1533065	Soil	0.8	31.6	80.1	97	0.2	25.7	11.8	555	3.58	5.4	1.8	4.7	10.4	24	0.1	0.6	0.2	64	0.40	0.113	
1533040	Soil	1.8	30.6	13.2	78	0.2	18.8	9.9	425	3.59	9.6	1.2	3.8	5.6	26	0.2	0.7	0.2	56	0.23	0.076	
1533043	Soil	1.2	11.7	8.3	84	<0.1	20.0	18.3	1162	3.15	7.7	0.7	3.3	5.9	23	0.1	0.6	<0.1	59	0.37	0.095	
1533066	Soil	0.7	25.3	39.5	88	0.1	28.6	12.7	495	3.40	6.3	1.0	3.6	6.1	20	0.1	0.6	0.2	67	0.33	0.091	
1533049	Soil	0.5	19.9	16.0	83	<0.1	108.9	20.0	568	4.14	10.3	0.9	1.3	8.7	16	<0.1	0.9	<0.1	68	0.38	0.104	



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Project: ERK

Report Date: September 02, 2017

Page: 2 of 11

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000531.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.05	1	0.5	0.2	
1534325	Soil	24	41	0.72	212	0.080	3	2.10	0.009	0.15	0.2	0.03	5.1	0.2	<0.05	6	<0.5	<0.2
1533901	Soil	15	43	0.60	241	0.065	3	1.88	0.008	0.12	0.1	0.04	6.9	0.4	<0.05	6	0.8	<0.2
1533064	Soil	18	30	0.30	142	0.039	4	1.56	0.006	0.13	0.3	0.15	3.7	0.4	<0.05	6	<0.5	<0.2
1533059	Soil	51	237	1.84	233	0.148	1	2.31	0.012	0.70	0.3	0.03	7.7	0.5	<0.05	8	<0.5	<0.2
1533903	Soil	22	54	0.69	320	0.087	3	2.30	0.010	0.12	0.2	0.05	7.4	0.3	<0.05	6	<0.5	<0.2
1534322	Soil	24	42	0.55	262	0.068	2	2.14	0.009	0.06	0.2	0.06	7.1	0.2	<0.05	6	<0.5	<0.2
1533057	Soil	50	56	0.96	250	0.132	2	1.85	0.017	0.43	1.2	0.03	5.1	0.4	0.10	6	<0.5	<0.2
1533062	Soil	28	57	0.95	256	0.151	3	2.84	0.013	0.37	0.3	0.03	5.4	0.4	<0.05	7	<0.5	<0.2
1533902	Soil	22	45	0.62	378	0.069	2	1.93	0.010	0.11	0.1	0.05	8.1	0.3	<0.05	5	0.9	<0.2
1534321	Soil	14	36	0.75	331	0.108	<1	2.08	0.013	0.19	<0.1	0.02	5.6	0.2	<0.05	6	0.7	<0.2
1533058	Soil	38	97	0.92	207	0.123	2	1.64	0.010	0.28	0.3	0.06	4.6	0.3	<0.05	6	<0.5	<0.2
1533055	Soil	47	45	0.93	251	0.106	2	2.17	0.008	0.76	0.2	0.08	6.3	1.1	<0.05	7	<0.5	<0.2
1534323	Soil	31	49	0.83	476	0.097	2	2.42	0.008	0.27	0.1	0.05	7.0	0.4	<0.05	7	1.0	<0.2
1534324	Soil	24	41	0.70	216	0.083	2	2.08	0.010	0.14	0.2	0.03	5.1	0.2	<0.05	7	<0.5	<0.2
1533060	Soil	128	43	0.69	198	0.112	2	1.88	0.011	0.32	0.3	0.07	6.2	0.4	<0.05	7	0.6	<0.2
1533063	Soil	17	27	0.36	163	0.038	1	1.41	0.008	0.07	0.2	0.21	3.6	0.2	<0.05	4	0.9	<0.2
1533054	Soil	51	60	1.02	278	0.120	2	2.20	0.009	0.58	0.5	0.13	5.6	0.8	<0.05	7	<0.5	<0.2
1533050	Soil	9	1023	5.13	307	0.069	1	2.03	0.003	0.16	<0.1	0.03	13.0	1.0	<0.05	6	0.5	<0.2
1533038	Soil	18	53	0.80	174	0.108	2	1.53	0.010	0.21	<0.1	0.03	2.1	0.3	<0.05	7	<0.5	<0.2
1533039	Soil	44	53	1.46	314	0.179	2	2.45	0.013	0.71	0.2	0.02	4.6	0.4	0.06	8	<0.5	<0.2
1533056	Soil	29	40	0.55	139	0.092	2	1.39	0.010	0.19	1.0	0.11	3.6	0.5	0.08	5	<0.5	<0.2
1533061	Soil	145	47	0.91	230	0.152	1	1.98	0.013	0.67	0.3	0.04	5.8	0.5	0.16	7	1.0	<0.2
1533036	Soil	111	68	0.76	460	0.127	<1	2.08	0.014	0.29	0.1	0.04	5.9	0.3	<0.05	8	<0.5	<0.2
1533051	Soil	34	33	0.52	243	0.065	2	1.35	0.010	0.08	0.2	0.09	3.1	0.3	0.05	5	0.8	<0.2
1533037	Soil	22	55	1.05	174	0.139	2	1.99	0.011	0.32	0.2	0.02	3.2	0.3	<0.05	7	<0.5	<0.2
1533065	Soil	50	70	1.30	272	0.153	2	2.15	0.010	0.71	0.6	0.02	6.0	0.5	<0.05	8	<0.5	<0.2
1533040	Soil	30	38	0.82	284	0.116	2	2.00	0.015	0.36	0.1	0.03	3.1	0.3	0.16	6	0.5	<0.2
1533043	Soil	20	57	1.05	266	0.143	1	1.72	0.012	0.39	0.3	0.02	2.9	0.3	<0.05	6	<0.5	<0.2
1533066	Soil	24	93	1.30	218	0.158	1	2.30	0.011	0.59	0.8	0.04	5.6	0.5	<0.05	7	<0.5	<0.2
1533049	Soil	44	379	2.05	299	0.152	<1	2.73	0.007	0.83	0.2	0.03	9.3	0.7	<0.05	9	<0.5	<0.2



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WHI17000531.1

Table with columns: Method Analyte Unit MDL, and 20 elements (Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P) with their respective concentrations in ppm, ppb, or %.



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Report Date: September 02, 2017

Page: 3 of 11

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000531.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
1533034	Soil	28	98	1.22	382	0.147	2	1.96	0.011	0.41	0.2	0.03	5.4	0.4	<0.05	7	<0.5	<0.2
1533041	Soil	37	38	0.76	250	0.116	<1	1.89	0.010	0.18	0.3	0.07	3.6	0.3	<0.05	6	<0.5	<0.2
1533052	Soil	28	34	0.49	156	0.075	1	1.35	0.010	0.15	0.3	0.08	3.1	0.3	0.05	5	<0.5	<0.2
1533048	Soil	37	39	0.64	322	0.083	<1	1.51	0.010	0.12	0.2	0.08	3.6	0.3	<0.05	6	0.9	<0.2
1533042	Soil	22	58	0.92	258	0.119	2	1.74	0.011	0.30	0.2	0.03	3.2	0.3	<0.05	6	<0.5	<0.2
1532173	Soil	31	41	0.76	240	0.101	<1	2.34	0.009	0.26	0.1	0.05	5.1	0.4	<0.05	7	0.8	<0.2
1533053	Soil	37	43	0.76	242	0.108	2	1.72	0.011	0.28	0.4	0.07	4.5	0.4	<0.05	6	0.6	<0.2
1533047	Soil	32	47	0.84	298	0.118	2	1.69	0.012	0.19	0.4	0.04	3.5	0.2	<0.05	6	0.5	<0.2
1532178	Soil	24	34	0.62	145	0.091	1	1.81	0.008	0.25	0.2	0.06	3.9	0.3	<0.05	6	0.5	<0.2
1532179	Soil	21	33	0.54	183	0.075	1	1.62	0.008	0.12	0.3	0.11	3.5	0.3	<0.05	5	0.8	<0.2
1533044	Soil	19	56	0.92	224	0.124	2	1.68	0.013	0.25	0.3	0.03	3.2	0.2	<0.05	5	0.6	<0.2
1533035	Soil	27	78	1.32	224	0.176	3	2.19	0.011	0.58	0.2	0.02	4.2	0.4	<0.05	7	<0.5	<0.2
1532174	Soil	16	27	0.33	176	0.040	2	1.06	0.009	0.10	0.2	0.23	2.3	0.5	0.07	5	0.7	<0.2
1534314	Soil	18	77	0.74	259	0.090	3	2.03	0.009	0.19	0.2	0.02	5.7	0.4	<0.05	6	1.1	<0.2
1533045	Soil	40	62	0.95	351	0.116	3	1.83	0.015	0.21	0.3	0.05	4.2	0.3	<0.05	6	0.7	<0.2
1533046	Soil	27	41	0.82	254	0.123	2	1.55	0.015	0.25	0.3	0.03	3.6	0.2	<0.05	5	<0.5	<0.2
1532170	Soil	17	34	0.52	201	0.076	3	1.68	0.008	0.11	0.2	0.03	3.7	0.3	<0.05	5	0.8	<0.2
1532169	Soil	35	39	0.99	209	0.153	1	2.46	0.007	0.75	0.1	0.01	4.5	0.5	<0.05	7	1.1	<0.2
1532176	Soil	30	37	0.75	473	0.098	2	2.06	0.009	0.38	0.1	0.03	4.3	0.5	0.15	6	1.1	<0.2
1532172	Soil	31	34	0.60	197	0.091	2	1.90	0.009	0.30	<0.1	0.07	4.6	0.4	<0.05	7	<0.5	<0.2
1532155	Soil	15	39	1.14	162	0.147	1	3.06	0.005	0.81	<0.1	0.02	4.2	0.7	<0.05	8	<0.5	<0.2
1532158	Soil	47	33	0.54	177	0.065	2	1.86	0.007	0.22	0.1	0.13	5.3	0.6	<0.05	6	0.5	<0.2
1532181	Soil	17	25	0.31	134	0.049	1	1.01	0.008	0.07	0.3	0.15	2.7	0.4	<0.05	4	1.0	<0.2
1532164	Soil	27	94	0.94	270	0.106	1	2.00	0.010	0.26	0.2	0.05	5.4	0.4	<0.05	6	0.9	<0.2
1532161	Soil	24	33	0.54	243	0.080	2	1.72	0.010	0.12	0.2	0.06	4.5	0.3	<0.05	5	<0.5	<0.2
1532157	Soil	17	34	0.43	92	0.094	2	1.50	0.006	0.13	0.1	0.03	3.2	0.3	<0.05	8	<0.5	<0.2
1534316	Soil	19	49	0.88	294	0.114	2	2.24	0.014	0.24	0.2	0.02	5.6	0.3	0.05	7	0.6	<0.2
1532153	Soil	19	35	0.57	246	0.081	2	1.47	0.010	0.12	0.2	0.10	3.8	0.4	<0.05	6	0.6	<0.2
1532165	Soil	32	40	0.68	382	0.104	2	1.78	0.011	0.18	0.2	0.06	5.5	0.3	<0.05	6	1.0	<0.2
1532151	Soil	21	36	0.64	223	0.087	2	1.58	0.009	0.14	0.4	0.09	3.6	0.3	<0.05	6	<0.5	<0.2



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Project: ERK

Report Date: September 02, 2017

Page: 4 of 11

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000531.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1534315	Soil	17	44	0.56	328	0.073	1	1.69	0.010	0.15	0.1	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
1532166	Soil	32	41	0.76	305	0.102	1	2.01	0.009	0.32	0.1	0.04	4.7	0.3	<0.05	6	<0.5	<0.2
1532152	Soil	21	40	0.63	173	0.082	2	1.73	0.009	0.11	0.4	0.23	4.2	0.5	<0.05	6	1.0	<0.2
1532159	Soil	26	34	0.54	121	0.082	<1	1.68	0.006	0.24	0.1	0.05	4.6	0.5	<0.05	5	0.7	<0.2
1534318	Soil	22	40	0.62	259	0.081	1	2.06	0.011	0.11	0.2	0.03	5.3	0.2	<0.05	6	<0.5	<0.2
1532360	Soil	27	28	0.40	213	0.059	2	1.60	0.008	0.11	0.2	0.09	3.7	0.2	<0.05	6	0.6	<0.2
1534306	Soil	14	37	0.45	173	0.038	1	1.77	0.009	0.07	0.1	0.03	2.6	0.2	<0.05	6	0.6	<0.2
1534304	Soil	14	43	0.56	236	0.065	2	1.72	0.010	0.08	0.1	0.04	6.1	0.2	<0.05	6	0.5	<0.2
1534317	Soil	20	44	0.71	340	0.085	2	1.88	0.011	0.11	0.2	0.04	5.8	0.2	<0.05	6	0.5	<0.2
1534313	Soil	22	44	0.57	479	0.063	<1	1.72	0.011	0.07	0.2	0.09	7.5	0.2	<0.05	6	0.7	<0.2
1534307	Soil	9	63	0.96	178	0.096	2	2.31	0.014	0.08	0.2	0.01	7.5	0.1	<0.05	6	<0.5	<0.2
1534308	Soil	9	52	0.94	249	0.093	<1	1.85	0.013	0.12	0.2	0.01	5.6	0.1	<0.05	5	<0.5	<0.2
1534319	Soil	21	32	0.52	166	0.056	3	1.63	0.010	0.08	0.2	0.03	3.6	0.2	<0.05	6	<0.5	<0.2
1534311	Soil	25	37	0.46	260	0.061	2	1.29	0.007	0.22	0.1	0.01	4.1	0.4	0.09	5	1.0	<0.2
1534305	Soil	12	41	0.48	198	0.054	2	1.73	0.010	0.06	0.2	0.04	5.1	0.2	<0.05	6	0.6	<0.2
1534301	Soil	19	39	0.65	293	0.074	1	1.61	0.010	0.13	0.3	0.02	5.6	0.2	<0.05	5	<0.5	<0.2
1534320	Soil	18	39	0.59	248	0.061	2	1.88	0.011	0.08	0.2	0.04	4.8	0.3	<0.05	5	0.6	<0.2
1534312	Soil	17	34	0.55	345	0.068	2	1.34	0.014	0.08	0.2	0.03	4.6	0.1	<0.05	4	<0.5	<0.2
1534303	Soil	14	41	0.60	184	0.071	2	1.65	0.010	0.13	0.2	0.02	6.2	0.3	<0.05	5	0.7	<0.2
1534310	Soil	14	38	0.68	358	0.082	2	2.12	0.012	0.10	0.2	0.03	5.1	0.2	<0.05	6	0.5	<0.2
1532163	Soil	21	33	0.55	266	0.068	2	1.73	0.010	0.16	0.2	0.07	4.3	0.2	<0.05	6	<0.5	<0.2
1532162	Soil	23	33	0.53	262	0.070	2	1.71	0.011	0.15	0.2	0.08	4.2	0.2	<0.05	5	<0.5	<0.2
1532180	Soil	17	38	0.54	226	0.056	2	1.73	0.011	0.09	0.2	0.36	4.6	0.5	0.05	6	0.9	<0.2
1533766	Soil	26	48	0.63	263	0.089	2	1.65	0.010	0.18	0.2	0.06	5.0	0.3	<0.05	6	<0.5	<0.2
1532177	Soil	27	34	0.68	142	0.095	1	1.74	0.009	0.31	0.2	0.02	3.6	0.3	<0.05	6	<0.5	<0.2
1532171	Soil	22	33	0.45	145	0.065	2	1.53	0.007	0.12	0.1	0.07	4.0	0.4	<0.05	5	0.6	<0.2
1532156	Soil	18	38	0.69	116	0.100	2	1.74	0.009	0.41	<0.1	0.02	3.5	0.4	<0.05	6	<0.5	<0.2
1533761	Soil	16	37	0.53	235	0.059	2	1.56	0.010	0.08	0.2	0.04	4.3	0.2	<0.05	5	<0.5	<0.2
1532167	Soil	48	57	1.03	654	0.122	2	2.14	0.020	0.67	0.1	0.02	6.0	0.5	0.16	7	1.7	<0.2
1532168	Soil	21	47	0.80	497	0.121	1	1.82	0.019	0.53	0.1	0.01	3.8	0.4	0.17	6	1.3	<0.2



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Project: ERK
Report Date: September 02, 2017

Page: 5 of 11

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000531.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	
1532175	Soil	1.2	24.0	10.9	48	0.6	10.0	2.7	97	1.55	11.4	1.7	5.0	0.8	15	0.3	0.7	0.2	34	0.15	0.067
1533763	Soil	1.8	24.1	10.9	83	0.2	22.8	10.0	427	2.90	13.6	1.0	2.4	3.7	15	0.2	0.6	0.2	65	0.18	0.053
1532154	Soil	1.5	35.9	11.6	80	0.2	25.2	10.3	332	2.99	18.2	1.9	4.7	6.8	16	0.2	1.9	0.2	62	0.19	0.063
1532160	Soil	2.3	50.2	12.3	99	0.3	32.0	13.2	473	3.26	16.8	2.1	3.2	6.2	17	0.3	1.3	0.3	57	0.17	0.048
1533760	Soil	1.9	34.1	15.0	106	0.2	33.4	11.8	487	3.23	20.4	1.0	3.0	3.0	15	0.5	1.2	0.2	75	0.21	0.056
1533759	Soil	1.2	24.3	9.3	66	<0.1	24.7	9.5	330	2.59	11.2	1.0	3.9	4.3	15	0.2	0.8	0.2	55	0.18	0.033
1533765	Soil	1.4	22.4	11.7	76	0.2	21.5	8.9	325	3.08	11.9	1.1	1.9	4.7	18	0.2	0.7	0.2	61	0.22	0.063
1533767	Soil	1.5	26.4	11.7	76	0.2	23.2	9.0	339	2.80	15.2	1.2	3.4	2.9	18	0.2	1.0	0.2	57	0.23	0.061
1534262	Soil	1.9	30.3	12.3	105	0.1	28.8	10.5	347	3.10	16.4	1.3	3.8	3.4	14	0.2	1.1	0.2	71	0.16	0.054
1534257	Soil	1.4	20.7	10.0	72	<0.1	20.0	9.5	428	2.78	13.6	1.0	5.3	5.3	16	0.1	0.7	0.1	50	0.24	0.069
1533764	Soil	1.6	24.0	11.6	76	0.1	19.7	9.5	450	3.06	11.9	1.1	2.2	4.6	19	0.2	0.7	0.1	61	0.24	0.057
1534263	Soil	1.1	29.8	10.1	71	<0.1	25.1	9.4	305	2.85	14.5	1.4	2.5	4.1	15	0.2	0.9	0.2	62	0.18	0.048
1533769	Soil	2.0	41.2	15.9	83	0.5	25.1	8.8	261	2.99	49.3	1.8	4.6	4.0	18	0.3	2.2	0.3	56	0.18	0.067
1534260	Soil	2.0	37.0	12.2	118	0.1	37.5	13.6	519	3.50	22.9	1.5	30.7	6.7	16	0.3	1.3	0.2	71	0.20	0.057
1533762	Soil	1.7	24.2	11.0	84	0.2	24.2	10.2	380	3.14	24.5	0.9	5.0	4.3	11	0.3	1.7	0.2	65	0.11	0.028
1534256	Soil	1.1	19.0	10.1	38	0.2	10.6	3.6	123	1.48	7.3	1.2	2.6	0.2	13	0.3	0.4	0.2	37	0.12	0.046
1534258	Soil	1.1	22.4	9.8	76	<0.1	21.5	10.8	480	2.93	10.6	1.0	2.0	7.0	16	0.2	0.7	0.1	56	0.22	0.052
1533772	Soil	4.0	53.8	15.0	145	0.8	46.0	16.0	490	3.83	65.6	2.4	9.7	5.9	19	0.4	3.8	0.2	78	0.25	0.075
1533768	Soil	1.6	29.0	11.4	79	0.2	23.5	8.9	339	2.71	17.9	1.2	4.0	4.1	15	0.3	1.3	0.2	50	0.20	0.058
1534259	Soil	1.6	25.0	12.1	89	0.1	22.1	11.6	497	3.08	12.1	1.1	1.5	4.4	12	0.2	0.8	0.2	57	0.16	0.054
1534261	Soil	2.2	27.3	14.3	103	0.3	25.5	9.4	413	3.05	28.6	1.0	2.4	2.2	12	0.4	1.5	0.2	66	0.11	0.054
1534254	Soil	4.5	65.7	24.6	137	0.9	39.7	10.6	387	3.37	121.9	2.8	9.2	5.2	20	0.8	5.7	0.3	61	0.14	0.069
1534255	Soil	2.3	43.9	15.4	105	0.4	29.5	9.7	364	2.97	30.7	2.0	5.1	4.3	19	0.4	1.7	0.2	54	0.23	0.082
1533775	Soil	1.6	33.8	12.7	69	0.3	22.5	8.1	319	2.65	20.2	1.7	7.5	3.7	14	0.3	1.3	0.2	54	0.16	0.052
1533773	Soil	3.0	39.4	13.5	99	0.5	25.5	8.9	377	3.02	36.3	1.8	7.4	3.0	16	0.3	2.6	0.2	63	0.16	0.066
1534431	Soil	1.0	13.9	11.6	64	0.3	15.7	5.9	185	2.19	9.0	1.8	3.5	7.1	14	0.3	0.9	0.2	43	0.17	0.043
1533770	Soil	1.4	31.9	13.1	75	0.3	22.4	9.0	262	2.62	15.7	1.5	3.1	3.0	14	0.2	1.0	0.2	52	0.19	0.057
1534264	Soil	1.2	24.9	9.0	80	<0.1	22.9	8.7	296	2.65	9.6	1.0	3.4	4.3	13	0.2	0.5	0.1	56	0.21	0.062
1533771	Soil	1.7	40.5	10.8	81	0.3	25.6	10.1	273	2.47	22.4	1.7	8.3	4.3	18	0.4	1.4	0.2	49	0.24	0.081
1534432	Soil	1.1	14.6	12.7	64	0.1	15.8	7.1	210	2.33	10.5	1.2	2.5	7.3	13	0.1	1.8	0.2	45	0.17	0.042

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



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Project: ERK

Report Date: September 02, 2017

Page: 5 of 11

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000531.1

Method Analyte Unit MDL	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	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1532175	Soil	14	25	0.33	165	0.041	2	1.00	0.011	0.09	0.2	0.20	2.2	0.5	0.12	4	1.4	<0.2
1533763	Soil	19	41	0.59	240	0.091	2	1.68	0.011	0.13	0.2	0.05	4.1	0.2	<0.05	6	<0.5	<0.2
1532154	Soil	28	38	0.61	199	0.085	2	1.82	0.011	0.16	0.2	0.10	4.9	0.4	<0.05	6	0.5	<0.2
1532160	Soil	23	32	0.56	302	0.072	1	1.57	0.009	0.16	0.1	0.08	5.0	0.5	0.06	5	0.8	<0.2
1533760	Soil	15	41	0.55	280	0.061	1	1.73	0.009	0.08	0.2	0.04	5.4	0.3	<0.05	5	<0.5	<0.2
1533759	Soil	16	33	0.50	233	0.059	1	1.54	0.009	0.07	0.2	0.03	4.1	0.2	<0.05	5	<0.5	<0.2
1533765	Soil	18	40	0.66	241	0.090	2	1.82	0.010	0.15	0.2	0.03	4.0	0.2	<0.05	7	<0.5	<0.2
1533767	Soil	19	45	0.60	313	0.067	2	1.59	0.011	0.12	0.2	0.05	4.2	0.2	<0.05	5	<0.5	<0.2
1534262	Soil	18	37	0.49	199	0.061	2	1.56	0.009	0.10	0.2	0.03	4.4	0.3	0.06	6	<0.5	<0.2
1534257	Soil	17	38	0.65	177	0.097	1	1.43	0.009	0.19	0.1	0.02	3.5	0.3	<0.05	5	<0.5	<0.2
1533764	Soil	18	40	0.67	238	0.100	2	1.69	0.010	0.17	0.2	0.03	4.1	0.2	<0.05	6	<0.5	<0.2
1534263	Soil	20	35	0.53	240	0.067	<1	1.63	0.009	0.08	0.2	0.03	4.3	0.2	<0.05	5	0.5	<0.2
1533769	Soil	20	44	0.55	219	0.063	2	1.60	0.010	0.12	0.2	0.24	4.1	0.3	<0.05	5	0.6	<0.2
1534260	Soil	22	59	0.71	298	0.094	2	1.82	0.009	0.16	0.2	0.03	5.0	0.3	<0.05	6	0.5	<0.2
1533762	Soil	13	37	0.46	213	0.056	2	1.69	0.007	0.06	0.2	0.07	4.6	0.3	<0.05	5	<0.5	<0.2
1534256	Soil	16	26	0.27	195	0.035	1	1.07	0.012	0.11	0.1	0.06	1.3	0.2	0.07	5	<0.5	<0.2
1534258	Soil	21	37	0.71	253	0.105	1	1.68	0.009	0.18	0.2	0.02	3.7	0.2	<0.05	6	<0.5	<0.2
1533772	Soil	24	76	0.85	327	0.094	1	1.82	0.010	0.30	0.2	0.18	6.0	0.6	0.09	6	1.0	<0.2
1533768	Soil	15	40	0.60	255	0.069	<1	1.38	0.008	0.11	0.2	0.07	3.7	0.2	<0.05	4	<0.5	<0.2
1534259	Soil	16	39	0.66	222	0.092	<1	1.62	0.007	0.19	0.2	0.02	3.8	0.3	<0.05	6	<0.5	<0.2
1534261	Soil	14	34	0.36	229	0.044	1	1.37	0.005	0.07	0.1	0.04	4.0	0.3	<0.05	6	<0.5	<0.2
1534254	Soil	29	41	0.55	221	0.057	1	1.22	0.007	0.25	0.1	0.16	4.9	0.6	0.12	4	1.6	<0.2
1534255	Soil	21	36	0.55	317	0.061	<1	1.36	0.009	0.18	0.2	0.08	4.7	0.3	0.07	4	0.8	<0.2
1533775	Soil	19	48	0.59	259	0.070	<1	1.48	0.007	0.14	0.2	0.07	4.4	0.3	<0.05	5	<0.5	<0.2
1533773	Soil	19	36	0.59	185	0.063	<1	1.47	0.008	0.19	0.2	0.11	3.8	0.4	0.08	5	0.5	<0.2
1534431	Soil	34	29	0.41	257	0.053	<1	1.38	0.007	0.07	0.3	0.04	3.7	0.2	<0.05	5	<0.5	<0.2
1533770	Soil	18	58	0.72	184	0.071	<1	1.67	0.008	0.11	0.2	0.12	4.1	0.2	<0.05	5	<0.5	<0.2
1534264	Soil	16	30	0.57	233	0.072	<1	1.34	0.007	0.13	0.2	0.02	4.1	0.2	<0.05	5	<0.5	<0.2
1533771	Soil	20	39	0.49	272	0.057	<1	1.23	0.008	0.07	0.3	0.09	4.6	0.2	<0.05	4	0.5	<0.2
1534432	Soil	25	24	0.43	226	0.055	<1	1.36	0.006	0.07	0.2	0.05	3.6	0.2	<0.05	5	<0.5	<0.2



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Page: 6 of 11

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000531.1

Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1534253	Soil	2.5	48.9	15.9	67	0.5	21.3	6.3	236	2.51	35.8	1.9	7.4	0.4	12	0.6	2.2	0.3	50	0.08	0.066
1534251	Soil	1.7	27.0	16.1	39	<0.1	13.2	4.7	224	2.45	49.4	1.0	<0.5	0.6	10	0.1	1.8	0.3	67	0.07	0.045
1534428	Soil	1.2	14.6	11.8	76	0.3	15.2	7.3	392	2.34	9.8	3.0	4.9	5.2	16	0.4	0.6	0.2	48	0.21	0.048
1534427	Soil	1.2	10.0	11.0	67	0.1	17.2	7.0	311	2.70	10.6	0.8	4.9	8.4	11	0.4	0.5	0.2	50	0.13	0.041
1533774	Soil	1.7	37.4	13.5	76	0.4	24.1	8.0	317	2.87	22.7	1.8	6.0	3.3	15	0.2	1.3	0.2	56	0.16	0.051
1534252	Soil	2.5	58.4	16.8	86	0.3	32.2	11.5	522	3.27	23.3	2.3	2.6	2.9	18	0.2	1.8	0.3	62	0.15	0.073
1534430	Soil	1.0	16.0	11.5	64	0.3	16.9	5.6	159	2.33	8.6	1.7	1.4	2.6	16	0.2	0.7	0.2	46	0.18	0.049
1534429	Soil	1.6	16.4	15.5	76	0.4	19.1	6.6	187	2.87	12.6	2.2	3.1	13.4	14	0.2	0.8	0.3	58	0.15	0.039
1534436	Soil	1.3	20.8	10.4	79	0.4	18.8	7.4	226	2.53	13.2	1.4	2.3	2.5	13	0.3	0.7	0.2	55	0.15	0.059
1534271	Soil	1.5	13.2	8.1	55	0.2	15.8	4.9	134	1.88	12.8	0.9	4.0	1.8	13	0.2	1.0	0.1	47	0.18	0.055
1534267	Soil	1.4	16.0	9.3	85	0.3	17.6	7.2	153	2.48	15.4	1.0	1.4	0.8	15	0.2	1.1	0.2	60	0.20	0.060
1534269	Soil	1.4	18.8	9.4	80	0.3	19.7	8.0	197	2.64	15.9	1.1	2.1	1.1	17	0.3	1.1	0.2	60	0.21	0.068
1534435	Soil	1.5	15.2	19.3	65	0.1	13.3	5.1	200	2.35	9.8	1.7	3.4	10.1	11	0.2	1.0	0.2	43	0.11	0.025
1534273	Soil	1.4	21.6	12.0	84	0.6	24.7	8.5	270	2.82	12.8	1.5	6.0	4.4	14	0.2	0.6	0.2	57	0.18	0.063
1534275	Soil	1.3	20.0	12.3	68	0.5	17.9	8.6	241	2.55	10.4	1.7	4.2	4.5	14	0.2	0.6	0.2	54	0.16	0.047
1534266	Soil	1.3	16.0	9.4	79	0.3	17.0	7.3	169	2.62	14.9	1.1	1.4	0.8	13	0.2	1.2	0.2	57	0.18	0.067
1534426	Soil	1.5	17.3	15.1	76	0.5	19.5	6.4	185	2.47	7.5	2.2	7.4	9.3	17	0.3	0.5	0.2	48	0.25	0.060
1534434	Soil	1.1	16.2	10.6	69	0.3	15.9	6.9	207	2.39	10.0	1.3	0.9	2.7	14	0.2	0.7	0.2	50	0.18	0.051
1534272	Soil	1.3	20.6	12.0	80	0.2	23.3	14.8	788	2.96	19.5	1.5	1.3	4.0	18	0.1	0.8	0.2	61	0.28	0.062
1534265	Soil	1.9	28.4	10.9	92	0.4	24.3	9.4	180	3.04	22.3	1.8	1.2	2.1	16	0.2	1.9	0.2	71	0.23	0.097
1534433	Soil	1.1	15.1	9.4	71	0.1	16.6	7.7	263	2.38	10.3	1.2	4.4	7.7	14	0.1	0.7	0.3	45	0.19	0.044
1534274	Soil	1.3	21.0	12.7	72	0.6	17.6	8.8	262	2.64	11.0	1.8	6.3	4.6	14	0.2	0.6	0.3	54	0.16	0.048
1534270	Soil	1.1	13.9	8.3	66	0.3	14.9	5.4	139	2.11	14.5	1.1	3.8	1.5	15	0.2	0.8	0.2	48	0.20	0.057
1534268	Soil	1.3	15.9	8.2	75	0.3	17.8	7.3	163	2.37	13.3	0.9	2.8	1.1	13	0.2	1.0	0.2	53	0.17	0.056
1534442	Soil	1.0	17.5	11.5	85	0.2	21.3	13.5	898	2.60	15.0	1.3	2.6	4.5	20	0.3	0.9	0.3	51	0.37	0.064
1534441	Soil	1.4	23.8	9.7	86	0.4	25.1	10.6	396	2.78	12.3	1.3	2.9	4.6	16	0.3	0.5	0.2	64	0.25	0.063
1478443	Soil	0.9	16.1	15.0	63	0.7	17.8	8.9	374	3.59	27.0	0.7	6.9	7.1	7	<0.1	0.8	0.3	57	0.06	0.036
1478437	Soil	1.2	27.0	12.6	67	<0.1	25.8	10.3	420	2.82	28.8	1.1	5.4	3.7	13	0.1	0.9	0.2	62	0.11	0.043
1534444	Soil	1.1	15.7	12.7	84	0.3	18.9	10.7	380	2.87	9.6	1.2	2.2	4.4	16	0.2	0.6	0.2	54	0.21	0.067
1534440	Soil	1.6	23.1	10.2	80	0.4	21.9	9.3	334	2.83	17.0	1.4	2.8	3.8	14	0.3	0.5	0.2	61	0.20	0.064



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Page: 6 of 11

Part: 2 of 2

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Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1534253	Soil	19	40	0.33	144	0.024	<1	1.18	0.007	0.09	0.1	0.10	1.6	0.4	0.09	5	<0.5	<0.2
1534251	Soil	13	23	0.27	74	0.045	<1	1.02	0.004	0.08	0.1	0.06	1.8	0.2	<0.05	7	<0.5	<0.2
1534428	Soil	37	26	0.40	267	0.054	<1	1.35	0.006	0.09	0.2	0.06	3.3	0.2	<0.05	6	<0.5	<0.2
1534427	Soil	14	35	0.42	124	0.071	<1	1.35	0.007	0.10	0.2	0.03	2.7	0.2	<0.05	5	<0.5	<0.2
1533774	Soil	21	53	0.62	259	0.071	<1	1.55	0.008	0.16	0.2	0.11	5.3	0.3	0.06	5	<0.5	<0.2
1534252	Soil	21	47	0.65	152	0.067	<1	1.66	0.007	0.23	0.1	0.05	3.7	0.4	0.09	6	0.6	<0.2
1534430	Soil	37	33	0.41	273	0.046	<1	1.52	0.008	0.08	0.2	0.04	3.1	0.2	<0.05	5	<0.5	<0.2
1534429	Soil	51	38	0.50	325	0.060	<1	1.97	0.010	0.08	0.1	0.08	5.2	0.2	<0.05	7	<0.5	<0.2
1534436	Soil	21	28	0.44	200	0.044	<1	1.40	0.007	0.07	0.2	0.07	3.5	0.3	<0.05	5	0.6	<0.2
1534271	Soil	12	28	0.37	317	0.041	<1	1.07	0.007	0.06	0.3	0.15	2.7	0.2	<0.05	4	<0.5	<0.2
1534267	Soil	12	39	0.43	480	0.031	1	1.40	0.008	0.05	0.1	0.19	3.2	0.2	<0.05	5	<0.5	<0.2
1534269	Soil	12	39	0.44	498	0.038	<1	1.42	0.008	0.06	0.1	0.14	3.6	0.2	<0.05	5	<0.5	<0.2
1534435	Soil	51	22	0.37	206	0.078	<1	1.40	0.007	0.16	0.2	0.03	3.6	0.3	<0.05	6	<0.5	<0.2
1534273	Soil	23	35	0.59	229	0.067	<1	1.64	0.008	0.11	0.2	0.10	4.0	0.3	<0.05	6	<0.5	<0.2
1534275	Soil	29	31	0.48	271	0.059	<1	1.58	0.008	0.08	0.1	0.10	4.2	0.3	<0.05	6	0.6	<0.2
1534266	Soil	12	37	0.43	434	0.031	<1	1.37	0.007	0.05	0.1	0.21	3.4	0.2	<0.05	4	<0.5	<0.2
1534426	Soil	51	36	0.50	340	0.067	1	1.51	0.009	0.13	0.2	0.14	4.2	0.2	<0.05	6	<0.5	<0.2
1534434	Soil	27	25	0.44	217	0.050	<1	1.43	0.007	0.09	0.2	0.05	3.2	0.2	<0.05	5	0.5	<0.2
1534272	Soil	23	39	0.56	402	0.065	1	1.59	0.009	0.07	0.2	0.08	4.7	0.3	<0.05	5	<0.5	<0.2
1534265	Soil	15	56	0.51	538	0.044	1	1.57	0.009	0.05	0.2	0.19	5.3	0.2	<0.05	5	0.7	<0.2
1534433	Soil	27	25	0.44	230	0.063	<1	1.35	0.007	0.07	0.2	0.03	3.5	0.2	<0.05	5	<0.5	<0.2
1534274	Soil	34	31	0.49	298	0.057	1	1.57	0.009	0.08	0.2	0.12	4.3	0.3	<0.05	6	<0.5	<0.2
1534270	Soil	14	27	0.39	374	0.036	<1	1.22	0.008	0.05	0.2	0.12	3.0	0.2	<0.05	4	<0.5	<0.2
1534268	Soil	11	36	0.39	501	0.029	1	1.26	0.007	0.04	0.2	0.15	3.4	0.2	<0.05	4	0.6	<0.2
1534442	Soil	22	35	0.51	395	0.050	2	1.39	0.009	0.06	0.2	0.13	4.8	0.2	<0.05	5	<0.5	<0.2
1534441	Soil	25	40	0.69	314	0.087	2	1.77	0.009	0.17	0.2	0.06	4.0	0.3	<0.05	6	<0.5	<0.2
1478443	Soil	13	31	0.45	104	0.082	1	1.74	0.004	0.10	0.1	0.04	3.1	0.4	<0.05	7	<0.5	<0.2
1478437	Soil	19	32	0.43	183	0.044	1	1.51	0.007	0.06	0.2	0.11	4.2	0.3	<0.05	5	<0.5	<0.2
1534444	Soil	20	49	0.72	316	0.087	1	1.83	0.009	0.09	0.1	0.09	3.9	0.3	<0.05	6	0.6	<0.2
1534440	Soil	23	36	0.60	228	0.068	2	1.61	0.008	0.11	0.2	0.08	4.0	0.2	<0.05	6	0.6	<0.2



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Client: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6 Canada

Project: ERK
Report Date: September 02, 2017

Page: 7 of 11

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000531.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	0.1	1	0.1	0.1	2	0.01	0.001
1478438	Soil	1.1	20.5	15.5	64	<0.1	21.3	8.0	288	2.94	31.8	1.1	5.9	2.9	9	0.1	0.9	0.2	59	0.08	0.068
1478436	Soil	1.2	27.1	12.8	58	<0.1	23.4	10.0	321	2.87	24.8	1.2	5.0	4.5	12	0.1	0.8	0.2	57	0.11	0.035
1534438	Soil	1.4	20.8	10.8	78	0.4	33.3	8.2	247	2.61	6.7	1.2	3.2	5.8	18	0.3	0.4	0.2	62	0.28	0.054
1534443	Soil	0.8	27.0	12.3	34	0.5	11.2	3.5	110	1.18	5.5	2.1	5.5	0.5	15	0.5	0.3	0.2	22	0.17	0.084
1534437	Soil	1.3	21.5	11.6	66	0.5	16.9	6.5	210	2.40	8.4	1.8	2.3	4.5	16	0.2	0.4	0.2	53	0.20	0.045
1478441	Soil	1.0	28.3	14.7	85	<0.1	32.1	12.1	395	3.33	24.4	1.7	5.8	8.4	14	0.1	0.9	0.2	55	0.13	0.021
1534445	Soil	1.5	14.3	11.5	83	0.3	17.0	11.8	430	2.80	15.5	1.1	3.8	3.6	16	0.3	0.9	0.2	59	0.22	0.059
1534446	Soil	1.3	17.7	11.6	82	0.5	18.5	10.8	257	2.73	13.4	1.7	2.7	4.1	16	0.2	0.9	0.2	57	0.19	0.062
1534439	Soil	1.4	23.6	10.0	87	0.4	24.0	11.8	444	2.89	12.6	1.7	2.8	6.7	17	0.3	0.4	0.2	60	0.26	0.066
1478446	Soil	1.3	33.4	15.2	99	0.2	40.6	11.5	266	3.71	50.3	1.0	7.4	7.2	7	0.1	1.6	0.2	52	0.06	0.025
1533945	Soil	1.3	19.4	10.6	78	0.2	18.3	9.5	416	2.71	9.9	1.1	1.8	4.6	16	0.3	0.6	0.2	62	0.22	0.059
1533935	Soil	1.2	27.3	11.6	89	0.3	26.0	10.4	366	3.02	13.1	1.6	1.5	6.3	15	0.2	0.4	0.2	66	0.22	0.064
1534457	Soil	1.2	22.2	11.5	79	0.2	24.5	8.7	359	2.81	11.3	1.2	4.4	3.5	19	0.1	0.7	0.2	54	0.30	0.060
1533936	Soil	1.5	36.2	10.3	76	0.7	23.3	7.8	302	2.60	11.1	2.7	3.3	3.5	23	0.2	0.4	0.2	60	0.46	0.071
1533940	Soil	1.3	17.4	12.8	83	0.1	19.4	10.1	398	2.74	12.0	1.1	4.0	9.5	15	0.2	0.9	0.2	49	0.21	0.057
1533949	Soil	1.6	28.4	13.5	86	0.6	26.6	8.2	233	2.94	19.4	1.6	5.2	2.2	17	0.3	0.7	0.2	64	0.21	0.059
1533947	Soil	2.4	45.3	13.1	190	0.2	31.6	17.2	1116	3.81	14.4	2.0	<0.5	9.4	12	0.4	1.2	0.1	95	0.23	0.123
1534458	Soil	1.2	20.7	12.0	76	0.1	106.8	14.9	482	3.52	21.2	1.3	2.7	7.2	17	<0.1	1.6	0.2	54	0.35	0.067
1533938	Soil	1.4	16.9	13.2	89	0.1	20.9	8.9	330	3.19	12.4	1.1	2.7	8.7	14	0.2	0.9	0.2	60	0.16	0.039
1533946	Soil	1.4	21.9	9.7	75	0.1	21.3	8.7	346	2.62	14.4	0.9	2.5	3.0	15	0.2	0.8	0.2	61	0.17	0.055
1533941	Soil	1.1	22.7	11.2	70	<0.1	20.1	9.6	344	2.47	12.4	1.5	10.4	7.5	19	0.2	1.3	0.1	50	0.26	0.047
1534455	Soil	2.3	45.7	15.1	136	1.1	37.0	12.3	570	3.52	40.6	3.0	7.6	4.3	24	0.7	1.8	0.2	72	0.33	0.093
1533937	Soil	1.4	24.3	11.9	89	0.4	22.5	9.8	312	2.85	17.4	1.4	2.3	3.4	14	0.3	0.8	0.2	62	0.17	0.059
1533942	Soil	1.4	21.5	15.6	76	0.2	19.6	8.4	284	2.67	10.9	1.3	2.7	7.2	17	0.3	1.6	0.2	56	0.21	0.053
1534453	Soil	2.6	55.8	13.3	149	0.2	53.1	12.8	447	3.42	55.6	2.2	3.7	8.9	27	0.4	2.3	1.0	63	0.17	0.043
1533950	Soil	1.4	25.9	12.8	84	0.6	26.4	7.8	240	2.79	19.7	1.6	5.8	1.8	17	0.2	0.7	0.2	63	0.22	0.064
1475306	Soil	1.9	35.5	16.5	79	0.4	27.5	23.8	955	3.02	21.1	1.6	2.8	3.3	15	0.4	2.1	0.2	75	0.12	0.068
1475307	Soil	2.7	41.7	15.1	86	0.2	27.9	10.7	274	2.99	25.8	1.6	3.2	5.2	15	0.4	3.6	0.2	78	0.10	0.036
1533934	Soil	1.6	41.1	14.1	81	1.2	29.9	8.7	290	3.17	12.6	3.6	5.9	4.4	21	0.3	0.5	0.3	63	0.28	0.079
1533929	Soil	1.4	21.0	13.3	89	0.3	23.1	11.9	527	3.05	11.2	1.6	4.2	8.1	18	0.5	0.9	0.2	53	0.36	0.080



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Page: 7 of 11

Part: 2 of 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1478438	Soil	18	34	0.35	99	0.037	<1	1.41	0.005	0.06	0.1	0.09	3.5	0.4	<0.05	5	<0.5	<0.2
1478436	Soil	16	37	0.45	172	0.051	1	1.71	0.007	0.05	0.2	0.14	4.4	0.3	<0.05	5	<0.5	<0.2
1534438	Soil	24	66	0.76	284	0.113	1	1.50	0.008	0.23	0.2	0.04	3.8	0.3	<0.05	7	<0.5	<0.2
1534443	Soil	22	24	0.24	301	0.026	2	0.92	0.010	0.08	<0.1	0.12	1.9	0.2	0.08	4	0.6	<0.2
1534437	Soil	29	31	0.48	252	0.065	2	1.59	0.009	0.11	0.2	0.06	3.7	0.2	<0.05	7	<0.5	<0.2
1478441	Soil	39	37	0.46	210	0.044	1	1.67	0.007	0.06	0.2	0.07	6.4	0.4	<0.05	5	0.6	<0.2
1534445	Soil	18	44	0.61	383	0.077	1	1.71	0.009	0.08	0.2	0.15	4.1	0.3	<0.05	6	0.7	<0.2
1534446	Soil	23	39	0.55	585	0.057	2	1.61	0.009	0.07	0.1	0.21	5.1	0.3	<0.05	6	0.6	<0.2
1534439	Soil	31	40	0.69	313	0.093	1	1.69	0.008	0.18	0.2	0.07	4.5	0.3	<0.05	6	<0.5	<0.2
1478446	Soil	15	34	0.29	108	0.022	<1	1.50	0.004	0.05	0.1	0.08	4.9	0.5	<0.05	4	0.7	<0.2
1533945	Soil	19	32	0.61	212	0.085	1	1.70	0.008	0.17	0.2	0.03	3.4	0.3	<0.05	7	<0.5	<0.2
1533935	Soil	27	38	0.72	261	0.105	1	1.76	0.008	0.22	0.2	0.04	4.5	0.3	<0.05	7	<0.5	<0.2
1534457	Soil	26	41	0.62	314	0.060	2	1.81	0.008	0.11	0.1	0.07	4.6	0.3	<0.05	6	<0.5	<0.2
1533936	Soil	35	36	0.62	392	0.074	2	1.57	0.010	0.19	0.1	0.07	4.5	0.2	<0.05	6	0.7	<0.2
1533940	Soil	27	27	0.50	195	0.083	1	1.52	0.008	0.16	0.2	0.02	3.7	0.2	<0.05	5	<0.5	<0.2
1533949	Soil	23	35	0.49	331	0.039	3	1.75	0.008	0.08	0.1	0.08	4.6	0.3	<0.05	5	0.6	<0.2
1533947	Soil	31	45	1.09	242	0.159	1	2.11	0.006	0.78	0.3	0.03	5.9	0.8	<0.05	8	0.7	<0.2
1534458	Soil	30	122	0.86	334	0.065	2	1.64	0.008	0.12	0.2	0.08	6.4	0.4	<0.05	5	0.5	<0.2
1533938	Soil	29	34	0.56	229	0.108	1	1.77	0.007	0.31	0.2	0.03	4.6	0.4	<0.05	7	<0.5	<0.2
1533946	Soil	13	30	0.46	175	0.056	1	1.42	0.007	0.07	0.1	0.02	3.6	0.2	<0.05	5	<0.5	<0.2
1533941	Soil	25	30	0.55	273	0.076	1	1.43	0.009	0.07	0.2	0.05	4.9	0.1	<0.05	4	0.5	<0.2
1534455	Soil	52	41	0.54	362	0.045	2	1.82	0.008	0.14	0.2	0.14	7.5	0.5	<0.05	7	0.7	<0.2
1533937	Soil	19	33	0.53	227	0.051	1	1.58	0.007	0.09	0.1	0.04	4.1	0.3	<0.05	6	<0.5	<0.2
1533942	Soil	32	30	0.49	335	0.072	2	1.49	0.009	0.09	0.2	0.03	4.1	0.2	<0.05	5	<0.5	<0.2
1534453	Soil	40	55	0.50	381	0.055	1	1.14	0.006	0.16	0.1	0.03	6.9	0.6	<0.05	4	1.1	<0.2
1533950	Soil	23	33	0.46	331	0.035	2	1.62	0.008	0.08	0.2	0.08	4.3	0.3	<0.05	5	0.5	<0.2
1475306	Soil	16	43	0.51	579	0.051	1	1.77	0.008	0.09	0.1	0.08	5.1	0.2	<0.05	5	0.7	<0.2
1475307	Soil	14	39	0.42	506	0.050	1	1.55	0.007	0.06	0.1	0.08	4.7	0.3	<0.05	5	1.0	<0.2
1533934	Soil	54	40	0.57	442	0.065	2	1.88	0.010	0.16	0.1	0.15	6.0	0.3	<0.05	6	0.7	<0.2
1533929	Soil	35	40	0.69	437	0.075	1	1.73	0.007	0.12	0.2	0.15	5.9	0.3	<0.05	6	<0.5	<0.2



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Page: 8 of 11

Part: 1 of 2

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
1475314	Soil	1.0	34.7	10.2	52	<0.1	22.9	9.0	307	2.64	16.6	1.1	4.6	4.7	13	<0.1	1.5	0.2	57	0.11	0.021
1475309	Soil	1.4	28.5	12.8	55	0.3	20.2	10.4	457	2.57	17.8	1.2	2.2	3.7	13	0.2	1.6	0.2	58	0.12	0.034
1475319	Soil	2.4	27.9	10.9	46	<0.1	15.2	6.6	267	2.45	19.8	2.2	2.2	9.5	15	<0.1	2.2	0.1	37	0.09	0.023
1533928	Soil	1.4	25.0	12.3	95	0.2	22.9	12.3	462	3.44	9.6	1.6	0.9	7.9	19	0.2	0.6	0.1	62	0.34	0.087
1475312	Soil	1.8	26.3	17.2	57	0.2	21.8	8.5	294	2.81	26.1	0.9	6.1	2.8	16	0.1	2.3	0.2	61	0.14	0.036
1475317	Soil	1.5	28.5	12.3	75	<0.1	25.4	12.6	487	3.63	24.2	1.9	2.1	8.0	18	0.1	2.3	0.2	58	0.13	0.035
1475310	Soil	1.3	31.0	16.9	54	<0.1	21.1	7.8	267	2.42	19.7	1.4	2.0	3.9	18	0.1	2.1	0.2	51	0.15	0.025
1533930	Soil	1.2	18.9	10.4	86	0.2	21.7	10.5	549	2.55	11.5	1.3	3.5	3.5	19	0.3	0.9	0.2	50	0.33	0.063
1475376	Soil	1.2	34.0	11.0	79	0.2	23.2	9.3	252	2.71	12.1	1.2	3.5	1.9	20	0.2	1.7	0.2	56	0.21	0.058
1475315	Soil	1.7	28.8	11.8	49	<0.1	17.6	8.1	234	2.48	20.1	1.5	2.8	5.9	11	<0.1	1.8	0.2	48	0.09	0.027
1475311	Soil	1.7	28.8	15.9	60	0.2	22.8	9.0	264	2.74	24.2	1.1	3.6	4.9	16	0.2	2.4	0.2	65	0.12	0.022
1533944	Soil	1.4	21.7	14.0	96	0.2	23.9	12.1	572	3.29	12.6	1.2	2.8	7.8	19	0.4	1.2	0.2	61	0.28	0.063
1475308	Soil	1.4	33.7	10.9	68	0.2	25.4	9.9	282	2.83	16.6	1.4	4.9	5.2	14	0.2	1.4	0.2	67	0.12	0.022
1475323	Soil	1.4	25.9	10.6	70	0.2	19.2	10.8	339	2.60	14.8	1.1	1.7	2.0	16	0.3	1.4	0.2	55	0.16	0.055
1475380	Soil	1.8	48.1	11.0	129	0.2	32.8	10.1	277	2.96	20.4	2.4	1.7	5.7	24	0.4	2.7	0.2	65	0.24	0.060
1475322	Soil	0.8	37.0	10.7	91	<0.1	35.0	14.7	412	3.63	9.8	1.9	1.6	17.8	12	0.2	0.5	0.2	42	0.27	0.086
1475385	Soil	1.2	30.6	14.1	87	<0.1	28.5	16.5	520	3.46	11.6	2.2	3.1	15.0	15	<0.1	1.7	0.2	48	0.10	0.032
1475383	Soil	1.9	35.8	11.0	67	0.1	23.2	10.2	329	2.85	21.9	1.4	3.8	3.6	16	0.3	2.8	0.2	59	0.13	0.053
1475378	Soil	1.2	36.0	9.7	88	0.1	25.2	7.7	200	2.41	16.7	1.4	2.1	4.2	22	0.4	2.1	0.1	52	0.26	0.056
1475321	Soil	1.0	48.5	5.2	108	0.1	73.2	19.3	490	4.24	26.6	1.2	0.9	6.3	16	0.2	0.5	0.1	83	0.38	0.124
1475379	Soil	1.4	39.6	11.3	100	0.2	27.2	9.8	249	2.70	14.6	1.6	0.8	3.2	24	0.2	1.5	0.2	60	0.23	0.058
1475313	Soil	1.6	28.4	13.8	60	0.1	26.2	10.5	301	2.98	19.8	1.0	2.0	4.6	13	0.2	1.6	0.2	66	0.14	0.039
1475318	Soil	3.2	98.7	32.4	68	0.6	26.9	8.0	280	5.17	65.5	5.1	8.8	2.4	19	0.7	2.6	0.4	90	0.14	0.325
1475320	Soil	1.1	58.8	9.8	114	<0.1	79.5	18.9	558	4.58	9.1	2.5	2.4	17.8	18	0.2	0.3	0.3	67	0.44	0.125
1475325	Soil	1.8	38.9	11.1	93	0.3	23.8	8.9	226	2.69	15.4	1.6	3.1	2.6	22	0.4	1.6	0.2	63	0.19	0.056
1475316	Soil	1.4	36.7	13.2	91	<0.1	25.3	13.5	630	3.27	19.5	2.7	2.2	10.3	20	0.2	2.1	0.2	53	0.14	0.038
1475381	Soil	2.2	47.0	12.4	105	0.2	26.2	9.0	272	3.09	21.6	2.6	3.5	6.5	22	0.3	2.7	0.2	61	0.15	0.060
1475377	Soil	1.3	29.7	10.3	78	0.2	21.5	9.3	225	2.56	12.4	1.2	2.0	3.3	17	0.2	1.5	0.2	54	0.17	0.052
1475138	Soil	0.9	27.0	11.9	79	<0.1	25.3	10.4	373	2.92	30.6	1.5	0.8	7.8	17	<0.1	1.1	0.3	57	0.15	0.026
1475140	Soil	1.1	17.2	12.5	57	<0.1	19.1	9.1	280	2.89	27.4	0.9	2.0	5.1	14	0.2	0.9	0.2	59	0.11	0.029



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Page: 8 of 11

Part: 2 of 2

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	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	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1475314	Soil	17	32	0.50	340	0.048	<1	1.70	0.007	0.05	0.2	0.10	6.5	0.1	<0.05	5	<0.5	<0.2
1475309	Soil	14	32	0.46	307	0.043	2	1.68	0.008	0.05	0.2	0.07	4.4	0.1	<0.05	5	0.6	<0.2
1475319	Soil	38	20	0.34	217	0.045	<1	1.14	0.007	0.10	0.1	0.04	4.1	0.2	<0.05	4	0.8	<0.2
1533928	Soil	29	47	0.88	604	0.127	1	1.92	0.009	0.24	0.2	0.08	5.5	0.4	<0.05	7	<0.5	<0.2
1475312	Soil	12	32	0.47	268	0.045	1	1.86	0.007	0.05	0.2	0.06	3.6	0.1	<0.05	5	0.7	<0.2
1475317	Soil	24	40	0.54	523	0.063	1	2.07	0.007	0.13	0.1	0.07	5.9	0.3	<0.05	6	<0.5	<0.2
1475310	Soil	15	31	0.44	364	0.042	<1	1.38	0.010	0.05	0.1	0.08	4.7	<0.1	<0.05	4	<0.5	<0.2
1533930	Soil	20	35	0.51	430	0.040	1	1.67	0.008	0.07	0.2	0.10	5.2	0.2	<0.05	5	<0.5	<0.2
1475376	Soil	18	31	0.45	432	0.042	1	1.69	0.009	0.06	0.2	0.09	4.7	0.2	<0.05	5	0.5	<0.2
1475315	Soil	17	30	0.40	237	0.039	1	1.54	0.006	0.05	0.1	0.05	4.0	0.2	<0.05	4	<0.5	<0.2
1475311	Soil	14	35	0.49	347	0.048	<1	1.91	0.009	0.05	0.1	0.06	4.6	0.1	<0.05	5	0.6	<0.2
1533944	Soil	28	35	0.70	304	0.094	2	1.92	0.009	0.20	0.2	0.03	4.5	0.3	<0.05	6	<0.5	<0.2
1475308	Soil	13	38	0.51	504	0.050	1	1.84	0.008	0.05	0.1	0.08	4.9	0.2	<0.05	5	0.5	<0.2
1475323	Soil	16	28	0.38	290	0.042	<1	1.43	0.008	0.06	0.1	0.05	3.4	0.2	<0.05	5	<0.5	<0.2
1475380	Soil	22	37	0.52	788	0.060	<1	1.56	0.010	0.10	0.2	0.17	6.3	0.4	<0.05	5	<0.5	<0.2
1475322	Soil	48	40	0.88	426	0.163	<1	1.90	0.007	0.83	<0.1	0.03	5.1	0.6	<0.05	6	<0.5	<0.2
1475385	Soil	42	34	0.59	332	0.108	<1	1.99	0.006	0.42	0.1	0.06	5.2	0.5	<0.05	6	<0.5	<0.2
1475383	Soil	14	30	0.44	271	0.043	<1	1.76	0.008	0.07	0.3	0.13	4.2	0.2	<0.05	5	0.7	<0.2
1475378	Soil	17	28	0.40	619	0.053	1	1.27	0.010	0.05	0.2	0.10	5.3	0.2	<0.05	4	<0.5	<0.2
1475321	Soil	24	228	1.09	508	0.173	<1	2.26	0.010	1.00	0.1	0.03	5.5	0.4	<0.05	7	<0.5	<0.2
1475379	Soil	19	34	0.48	596	0.045	1	1.71	0.009	0.06	0.2	0.15	5.4	0.2	<0.05	5	0.6	<0.2
1475313	Soil	14	37	0.53	278	0.056	1	2.06	0.008	0.06	0.2	0.08	4.3	0.1	<0.05	5	<0.5	<0.2
1475318	Soil	20	57	0.38	565	0.046	2	3.75	0.010	0.09	0.2	0.29	9.0	0.3	<0.05	11	1.5	<0.2
1475320	Soil	76	79	1.20	575	0.185	<1	2.28	0.008	1.23	<0.1	0.01	8.1	0.6	<0.05	8	<0.5	<0.2
1475325	Soil	19	32	0.43	545	0.046	1	1.62	0.009	0.08	0.2	0.15	4.4	0.2	<0.05	5	0.8	<0.2
1475316	Soil	33	36	0.61	604	0.075	<1	1.92	0.006	0.23	<0.1	0.07	7.0	0.6	<0.05	6	<0.5	<0.2
1475381	Soil	27	36	0.50	484	0.058	2	1.63	0.007	0.19	0.2	0.25	6.3	0.4	<0.05	5	0.8	<0.2
1475377	Soil	17	30	0.42	341	0.041	<1	1.51	0.008	0.05	0.1	0.10	4.1	0.2	<0.05	5	0.8	<0.2
1475138	Soil	21	37	0.57	199	0.059	2	1.98	0.007	0.08	0.2	0.10	5.7	0.4	<0.05	5	<0.5	<0.2
1475140	Soil	14	33	0.42	136	0.051	2	1.83	0.007	0.07	0.2	0.10	4.0	0.2	<0.05	5	<0.5	<0.2



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Project: ERK
Report Date: September 02, 2017

Page: 9 of 11

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000531.1

Method Analyte	Unit	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	0.001
1475384	Soil	2.1	17.3	11.0	38	0.1	8.1	2.9	205	2.03	18.5	0.8	<0.5	0.7	12	0.2	2.3	0.3	70	0.07	0.043
1475387	Soil	1.0	33.3	10.1	82	<0.1	31.2	15.7	535	3.75	14.4	1.8	2.1	12.6	19	<0.1	1.1	0.2	63	0.27	0.084
1475136	Soil	1.1	32.0	10.9	61	<0.1	22.3	9.1	361	3.00	61.2	1.7	2.2	5.5	18	<0.1	1.8	0.2	56	0.14	0.027
1475143	Soil	0.6	23.7	12.5	58	<0.1	21.2	8.6	321	2.69	18.0	1.2	6.4	5.9	14	<0.1	0.7	0.2	44	0.14	0.039
1475126	Soil	1.0	22.3	11.6	51	0.1	20.5	8.0	339	2.42	47.4	1.0	2.5	4.4	17	0.1	1.3	0.2	51	0.18	0.044
1475382	Soil	1.6	27.1	12.3	66	<0.1	20.3	9.7	326	2.81	20.5	1.1	1.6	3.2	14	0.3	1.9	0.2	61	0.12	0.048
1475142	Soil	1.0	27.0	13.7	65	<0.1	26.5	10.7	381	3.07	26.7	1.3	3.0	6.3	18	0.1	0.9	0.3	60	0.16	0.028
1475139	Soil	0.9	22.0	9.8	56	<0.1	20.7	8.5	287	2.48	18.3	1.2	5.4	4.4	16	<0.1	0.7	0.2	52	0.17	0.032
1475135	Soil	1.0	23.5	13.4	59	<0.1	20.4	9.7	337	2.86	94.7	1.5	2.9	5.2	18	0.2	2.1	0.2	61	0.16	0.032
1475324	Soil	1.6	39.2	10.7	89	0.2	23.8	8.5	227	2.64	14.6	1.7	3.7	3.6	23	0.4	1.7	0.2	57	0.22	0.053
1475141	Soil	0.9	23.0	11.5	61	<0.1	22.1	9.4	343	2.61	32.7	1.2	2.3	4.3	17	0.1	0.9	0.2	55	0.18	0.047
1475133	Soil	0.7	39.1	11.8	73	<0.1	31.2	14.3	584	3.29	58.9	2.0	2.3	10.1	14	0.1	1.9	0.2	51	0.10	0.024
1475137	Soil	0.8	28.5	9.6	54	<0.1	22.7	10.1	384	2.51	19.1	1.2	3.7	4.1	16	<0.1	0.7	0.2	54	0.17	0.025
1475386	Soil	0.9	17.8	10.4	62	<0.1	21.9	11.2	298	2.91	13.0	0.8	2.2	6.0	12	0.2	0.8	0.2	52	0.12	0.028
1478450	Soil	1.2	26.9	13.0	59	0.4	20.3	9.5	385	3.00	75.6	1.2	3.1	4.6	15	0.2	1.6	0.2	60	0.14	0.063
1475132	Soil	1.3	22.3	11.5	62	0.1	27.5	11.6	446	3.17	100.4	0.8	4.4	4.9	11	0.2	2.2	0.2	64	0.09	0.028
1478448	Soil	0.7	21.3	12.9	61	0.1	24.8	9.0	396	2.64	26.2	0.8	10.3	5.2	15	<0.1	0.8	0.2	47	0.19	0.046
1478444	Soil	1.0	28.1	34.2	60	0.9	21.4	9.9	358	2.97	21.4	2.3	40.1	7.7	13	<0.1	4.2	0.3	54	0.12	0.040
1478449	Soil	1.2	26.3	13.2	60	0.4	21.1	9.4	422	2.94	74.9	1.3	4.2	4.1	15	0.2	1.5	0.3	57	0.14	0.060
1475130	Soil	1.1	27.7	13.1	71	<0.1	31.0	13.0	359	3.26	86.1	0.9	3.0	5.2	11	0.2	2.2	0.2	63	0.10	0.041
1475131	Soil	1.3	21.4	13.4	53	0.2	22.3	9.6	360	2.98	66.6	0.9	2.2	4.5	13	<0.1	1.4	0.2	71	0.12	0.030
1478445	Soil	0.9	23.3	14.7	64	0.2	23.2	11.1	404	3.13	20.2	1.0	3.6	9.1	11	0.1	0.7	0.2	54	0.12	0.024
1475127	Soil	0.8	25.7	11.0	64	<0.1	25.0	9.6	376	2.63	27.3	1.3	4.3	6.1	20	0.1	1.0	0.2	57	0.23	0.043
1475128	Soil	1.3	19.7	13.6	63	0.2	26.4	10.5	321	3.29	33.8	0.7	2.1	4.7	15	0.2	0.9	0.2	79	0.14	0.035
1475129	Soil	1.1	20.0	12.3	68	0.3	22.4	10.5	872	2.92	35.9	0.9	4.7	2.7	19	0.2	0.9	0.2	66	0.24	0.052
1478440	Soil	0.9	24.2	11.3	63	<0.1	26.6	10.7	374	2.66	17.6	1.1	3.2	5.1	15	0.2	0.7	0.2	55	0.16	0.038
1478447	Soil	1.2	40.0	15.8	99	0.2	44.6	13.1	386	3.69	47.9	1.3	25.6	9.9	12	0.2	1.4	0.2	63	0.12	0.021
1475134	Soil	1.1	22.4	11.5	58	0.1	19.4	10.5	386	3.18	171.3	1.1	2.8	4.6	13	0.2	3.4	0.2	65	0.12	0.041
1478442	Soil	0.9	22.9	13.2	61	<0.1	25.0	10.8	305	3.01	22.2	1.0	2.5	7.8	11	<0.1	0.7	0.2	54	0.12	0.024
1478439	Soil	0.9	23.2	12.2	58	<0.1	23.6	9.1	319	2.64	29.2	1.9	5.2	4.9	14	<0.1	0.8	0.2	55	0.14	0.035



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Project: ERK

Report Date: September 02, 2017

Page: 9 of 11

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000531.1

Method Analyte Unit MDL	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	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1475384	Soil	12	18	0.10	110	0.046	<1	0.89	0.004	0.05	0.2	0.05	1.8	0.2	<0.05	7	0.5	<0.2
1475387	Soil	53	46	0.92	432	0.110	1	2.61	0.011	0.39	0.2	0.05	5.1	0.4	<0.05	7	0.5	<0.2
1475136	Soil	21	34	0.52	265	0.050	1	1.79	0.007	0.07	0.1	0.38	7.1	0.2	<0.05	5	<0.5	<0.2
1475143	Soil	23	27	0.38	192	0.037	<1	1.29	0.006	0.06	0.2	0.08	4.5	0.2	<0.05	4	<0.5	<0.2
1475126	Soil	17	30	0.43	229	0.041	<1	1.49	0.010	0.05	0.2	0.19	4.4	0.3	<0.05	4	<0.5	<0.2
1475382	Soil	13	30	0.38	188	0.039	1	1.91	0.007	0.06	0.3	0.13	3.5	0.2	<0.05	5	0.6	<0.2
1475142	Soil	20	35	0.46	193	0.058	2	1.79	0.008	0.07	0.2	0.11	4.8	0.2	<0.05	5	<0.5	<0.2
1475139	Soil	17	32	0.47	162	0.061	2	1.47	0.008	0.07	0.1	0.06	4.4	0.2	<0.05	4	<0.5	<0.2
1475135	Soil	18	34	0.53	210	0.056	2	1.73	0.008	0.07	0.2	0.47	5.3	0.2	<0.05	5	<0.5	<0.2
1475324	Soil	19	32	0.46	553	0.049	2	1.57	0.010	0.08	0.1	0.16	4.5	0.2	<0.05	5	0.7	<0.2
1475141	Soil	16	30	0.48	185	0.057	2	1.48	0.010	0.07	0.2	0.22	4.5	0.2	<0.05	5	<0.5	<0.2
1475133	Soil	33	32	0.43	219	0.061	2	1.43	0.006	0.07	0.2	0.35	7.6	0.3	<0.05	4	<0.5	<0.2
1475137	Soil	18	31	0.50	232	0.059	2	1.66	0.009	0.05	0.1	0.11	5.5	0.2	<0.05	5	<0.5	<0.2
1475386	Soil	14	32	0.51	147	0.062	2	1.73	0.009	0.08	0.2	0.08	3.2	0.2	<0.05	5	<0.5	<0.2
1478450	Soil	19	31	0.41	207	0.044	2	1.65	0.007	0.07	0.2	0.24	4.3	0.3	<0.05	5	<0.5	<0.2
1475132	Soil	14	35	0.44	196	0.047	1	2.08	0.006	0.06	0.2	0.33	3.8	0.7	<0.05	6	<0.5	<0.2
1478448	Soil	20	27	0.38	174	0.042	1	1.30	0.008	0.06	0.1	0.07	3.9	0.3	<0.05	4	<0.5	<0.2
1478444	Soil	25	35	0.43	206	0.050	1	1.75	0.008	0.07	0.2	0.12	4.5	0.5	<0.05	4	<0.5	<0.2
1478449	Soil	18	31	0.40	202	0.044	2	1.59	0.007	0.07	0.1	0.24	4.4	0.4	<0.05	5	<0.5	<0.2
1475130	Soil	17	35	0.48	138	0.061	2	1.64	0.007	0.09	0.1	0.13	4.2	0.6	<0.05	6	<0.5	<0.2
1475131	Soil	14	34	0.43	198	0.056	1	2.06	0.007	0.06	0.2	0.11	3.8	0.5	<0.05	7	<0.5	<0.2
1478445	Soil	18	37	0.54	174	0.079	1	1.90	0.006	0.13	0.1	0.06	5.0	0.3	<0.05	6	<0.5	<0.2
1475127	Soil	20	35	0.53	281	0.061	2	1.64	0.010	0.07	0.2	0.21	5.1	0.2	<0.05	5	<0.5	<0.2
1475128	Soil	12	37	0.52	266	0.064	2	2.09	0.008	0.08	0.2	0.04	3.8	0.2	<0.05	7	<0.5	<0.2
1475129	Soil	13	34	0.40	306	0.050	2	1.87	0.010	0.07	0.1	0.13	3.3	0.5	<0.05	6	<0.5	<0.2
1478440	Soil	18	38	0.47	179	0.055	1	1.43	0.008	0.06	0.1	0.09	4.7	0.2	<0.05	5	<0.5	<0.2
1478447	Soil	27	52	0.39	174	0.033	1	1.64	0.006	0.06	0.1	0.12	8.0	0.5	<0.05	4	0.6	<0.2
1475134	Soil	17	36	0.45	181	0.057	2	1.82	0.007	0.07	0.1	0.43	4.3	0.3	<0.05	6	<0.5	<0.2
1478442	Soil	18	35	0.52	158	0.070	1	1.96	0.008	0.09	0.2	0.05	4.3	0.2	<0.05	5	<0.5	<0.2
1478439	Soil	22	36	0.45	197	0.049	1	1.53	0.007	0.06	0.1	0.15	5.1	0.5	<0.05	5	<0.5	<0.2



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Page: 10 of 11

Part: 1 of 2

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WHI17000531.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1534451	Soil	1.2	23.8	8.7	81	0.2	24.2	9.6	449	2.51	22.3	1.0	2.5	5.7	20	0.3	1.1	0.2	50	0.25	0.063
1533948	Soil	1.6	26.9	11.6	77	0.4	24.1	9.3	299	2.83	15.6	1.2	6.1	2.0	18	0.2	0.7	0.2	63	0.20	0.058
1533931	Soil	1.7	21.6	13.8	87	0.4	23.6	15.8	705	2.99	14.2	1.6	3.9	5.3	18	0.3	1.0	0.2	53	0.25	0.070
1532378	Soil	1.5	22.2	9.8	69	0.2	19.5	7.5	220	2.43	21.5	1.3	3.4	2.0	14	0.3	0.9	0.2	48	0.16	0.058
1534456	Soil	2.0	32.7	13.9	117	0.4	26.1	7.7	370	2.84	20.2	2.8	6.2	7.9	18	0.5	1.5	0.2	54	0.22	0.074
1533939	Soil	1.0	13.4	12.7	91	0.1	14.2	8.6	371	2.91	7.0	1.4	2.4	11.0	13	0.2	0.7	0.2	44	0.19	0.056
1533933	Soil	1.8	36.2	10.1	102	0.3	32.3	12.7	435	3.42	19.1	1.7	2.2	7.7	19	0.4	0.7	0.2	74	0.29	0.073
1471743	Soil	1.1	14.5	15.1	64	0.2	24.6	10.2	649	2.65	8.8	0.8	0.7	10.3	18	0.3	0.6	0.2	51	0.20	0.022
1534454	Soil	2.1	30.2	11.1	145	0.3	27.6	11.4	444	3.23	30.4	1.6	2.9	8.0	17	0.6	1.5	0.1	66	0.28	0.072
1533932	Soil	2.0	56.1	8.5	126	0.2	53.7	17.6	572	3.98	42.5	2.1	2.8	9.2	24	0.3	0.8	0.2	84	0.46	0.131
1471745	Soil	1.3	17.4	9.4	64	0.2	15.4	6.3	179	2.28	17.5	1.2	1.1	2.1	14	0.2	0.7	0.2	46	0.17	0.053
1471740	Soil	1.6	11.2	23.4	54	0.3	12.4	5.7	265	2.46	7.6	0.9	3.3	8.5	13	0.1	0.6	0.3	45	0.16	0.033
1533943	Soil	1.3	25.0	13.3	91	<0.1	22.4	11.2	468	2.98	10.5	1.5	1.9	12.7	19	0.2	1.4	0.2	52	0.28	0.072
1534452	Soil	1.3	20.9	9.9	93	0.2	21.2	8.9	316	2.98	15.5	1.2	2.9	5.4	21	0.2	0.7	0.2	56	0.28	0.066
1471737	Soil	0.9	15.9	13.9	57	0.1	17.5	8.6	278	2.67	8.8	1.1	21.1	10.9	16	0.2	0.7	0.3	44	0.14	0.023
1471733	Soil	1.8	20.9	12.8	69	0.2	20.8	8.0	275	2.83	17.9	1.5	1.8	7.3	18	0.2	0.9	0.3	61	0.21	0.027
1471734	Soil	0.8	18.3	11.8	62	<0.1	19.1	7.7	270	2.62	8.8	0.9	10.1	8.5	18	0.3	0.7	0.2	47	0.26	0.067
1471749	Soil	1.3	13.5	9.2	66	0.2	14.3	4.9	135	2.13	18.8	1.2	7.6	2.2	15	0.2	0.7	0.2	44	0.19	0.054
1532386	Soil	1.6	28.4	11.7	107	0.2	26.2	12.4	573	3.03	26.2	1.9	2.9	4.9	17	0.5	1.3	0.2	58	0.20	0.060
1532380	Soil	1.2	14.9	13.7	65	0.1	17.9	7.1	278	2.32	5.8	10.8	2.8	14.2	19	<0.1	0.8	0.2	34	0.26	0.016
1471739	Soil	1.0	13.4	17.5	54	0.2	15.4	7.3	278	3.00	9.8	0.9	2.8	9.4	12	0.1	0.7	0.3	54	0.11	0.028
1532385	Soil	1.8	18.6	10.3	82	0.2	19.2	8.3	294	2.57	23.8	1.4	0.6	3.4	16	0.1	1.2	0.2	48	0.17	0.064
1532382	Soil	1.7	32.5	15.1	93	0.2	26.4	11.4	515	3.21	13.8	2.1	3.6	10.6	20	0.3	1.1	0.2	53	0.22	0.050
1471750	Soil	1.4	11.3	8.3	63	0.2	13.6	4.9	141	2.01	21.5	1.0	1.5	2.1	16	0.1	0.7	0.2	48	0.20	0.053
1471742	Soil	0.9	8.1	13.4	75	<0.1	12.9	5.0	560	2.44	5.2	0.8	<0.5	10.5	15	<0.1	0.6	0.2	29	0.16	0.020
1532384	Soil	1.5	19.6	11.1	77	0.2	20.4	10.1	594	2.41	15.1	2.0	0.7	3.7	34	0.4	0.9	0.2	41	0.65	0.064
1532383	Soil	1.5	19.3	11.4	72	0.2	18.9	8.4	328	3.06	12.8	1.2	2.3	7.6	19	0.1	0.8	0.2	55	0.18	0.030
1532388	Soil	1.2	14.7	8.7	64	0.2	14.2	4.9	127	2.31	20.0	1.3	1.0	1.9	15	0.2	0.6	0.2	43	0.17	0.055
1471735	Soil	1.1	14.7	19.4	68	0.1	16.3	8.1	295	2.91	8.8	0.9	2.0	7.5	14	0.2	0.7	0.5	50	0.14	0.040
1532387	Soil	1.6	15.6	9.1	64	0.2	14.8	5.3	169	2.71	24.8	1.2	0.7	1.6	15	0.2	0.9	0.2	53	0.15	0.053



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Project: ERK
Report Date: September 02, 2017

Page: 10 of 11

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000531.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.05	1	0.5	0.2	
1534451	Soil	15	30	0.44	237	0.061	2	1.27	0.009	0.11	0.2	0.03	4.2	0.2	<0.05	4	<0.5	<0.2
1533948	Soil	16	37	0.48	274	0.050	2	1.67	0.009	0.08	0.1	0.06	4.5	0.3	<0.05	6	<0.5	<0.2
1533931	Soil	26	36	0.51	548	0.048	2	1.71	0.008	0.10	0.1	0.14	5.9	0.4	<0.05	5	<0.5	<0.2
1532378	Soil	16	23	0.32	180	0.037	1	1.21	0.009	0.05	0.2	0.17	3.2	0.3	<0.05	4	<0.5	<0.2
1534456	Soil	43	33	0.43	280	0.055	1	1.44	0.007	0.13	0.2	0.13	6.0	0.3	<0.05	4	0.7	<0.2
1533939	Soil	23	24	0.53	207	0.130	1	1.57	0.008	0.45	0.2	0.02	4.4	0.5	<0.05	7	<0.5	<0.2
1533933	Soil	29	43	0.73	383	0.104	2	1.83	0.009	0.31	0.2	0.05	4.9	0.3	<0.05	6	<0.5	<0.2
1471743	Soil	19	50	0.44	322	0.067	2	1.63	0.008	0.17	0.2	0.03	4.5	0.2	<0.05	6	<0.5	<0.2
1534454	Soil	29	40	0.64	212	0.075	1	1.58	0.008	0.17	0.2	0.05	5.9	0.4	<0.05	5	0.6	<0.2
1533932	Soil	39	59	1.17	577	0.157	<1	2.26	0.011	0.70	0.1	0.03	6.1	0.5	<0.05	7	<0.5	<0.2
1471745	Soil	16	23	0.33	135	0.048	2	1.18	0.009	0.07	0.2	0.08	2.6	0.2	<0.05	4	<0.5	<0.2
1471740	Soil	26	25	0.43	331	0.070	2	1.53	0.008	0.18	0.2	0.02	4.0	0.3	<0.05	7	<0.5	<0.2
1533943	Soil	53	31	0.71	281	0.112	2	1.72	0.009	0.27	0.2	0.03	5.4	0.3	<0.05	6	0.5	<0.2
1534452	Soil	19	34	0.65	200	0.087	1	1.70	0.009	0.14	0.2	0.04	4.8	0.2	<0.05	6	0.6	<0.2
1471737	Soil	28	27	0.49	258	0.075	<1	1.67	0.008	0.14	0.2	0.04	3.8	0.2	<0.05	5	0.5	<0.2
1471733	Soil	66	32	0.50	352	0.076	<1	1.64	0.009	0.09	0.2	0.04	4.9	0.2	<0.05	6	0.7	<0.2
1471734	Soil	25	28	0.49	206	0.078	1	1.42	0.009	0.13	0.5	0.01	3.8	0.2	<0.05	5	<0.5	<0.2
1471749	Soil	14	24	0.39	121	0.048	1	1.21	0.010	0.07	0.2	0.15	2.8	0.3	<0.05	4	0.6	<0.2
1532386	Soil	21	34	0.54	272	0.068	<1	1.62	0.009	0.16	0.2	0.14	4.5	0.3	<0.05	5	0.5	<0.2
1532380	Soil	41	30	0.43	276	0.068	<1	1.29	0.010	0.16	0.2	0.09	4.4	0.2	<0.05	4	<0.5	<0.2
1471739	Soil	18	32	0.45	240	0.073	<1	2.03	0.009	0.15	0.2	0.03	3.9	0.2	<0.05	7	<0.5	<0.2
1532385	Soil	19	25	0.40	139	0.052	<1	1.27	0.009	0.10	0.3	0.11	3.5	0.3	<0.05	4	0.5	<0.2
1532382	Soil	44	33	0.59	333	0.090	2	1.99	0.009	0.18	0.2	0.07	5.1	0.3	<0.05	6	1.0	<0.2
1471750	Soil	18	22	0.36	118	0.050	1	1.14	0.012	0.07	0.3	0.13	2.8	0.2	<0.05	4	0.8	<0.2
1471742	Soil	18	22	0.39	306	0.086	<1	1.44	0.007	0.29	0.2	0.02	4.7	0.5	<0.05	7	<0.5	<0.2
1532384	Soil	23	26	0.47	357	0.055	1	1.24	0.012	0.17	0.3	0.11	4.1	0.3	<0.05	4	0.7	<0.2
1532383	Soil	27	30	0.50	237	0.098	1	1.84	0.010	0.16	0.2	0.04	3.7	0.2	<0.05	7	0.5	<0.2
1532388	Soil	17	24	0.36	120	0.046	<1	1.23	0.014	0.07	0.2	0.15	2.9	0.2	<0.05	4	0.9	<0.2
1471735	Soil	24	25	0.49	211	0.091	1	1.82	0.009	0.19	0.3	0.02	3.4	0.2	<0.05	6	0.7	<0.2
1532387	Soil	16	25	0.37	124	0.042	<1	1.32	0.010	0.06	0.2	0.13	2.6	0.2	<0.05	5	0.6	<0.2

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



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Project: ERK

Report Date: September 02, 2017

Page: 11 of 11

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000531.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	0.1	0.1	0.1	0.1	2	0.01	0.001	
1532381	Soil	1.8	32.9	16.6	100	0.2	25.9	11.0	519	3.37	14.8	3.3	4.2	10.0	20	0.2	0.9	0.3	55	0.21	0.058	
1471748	Soil	1.5	17.6	9.9	70	0.2	16.9	7.0	254	2.44	22.6	1.1	0.9	2.3	17	0.2	1.1	0.2	48	0.18	0.062	
1471747	Soil	1.7	15.9	9.3	72	0.1	17.0	6.8	231	2.62	25.9	1.0	1.2	3.4	17	0.2	1.4	0.2	48	0.19	0.066	
1471746	Soil	1.3	16.4	8.9	66	0.2	15.7	6.1	219	2.37	19.4	1.2	<0.5	2.4	15	0.2	1.1	0.2	44	0.16	0.059	
1532377	Soil	1.7	22.4	11.5	84	0.2	20.9	8.3	253	3.04	27.4	1.3	11.9	2.5	17	0.4	1.5	0.2	57	0.18	0.058	
1471744	Soil	1.6	10.1	16.3	67	0.4	12.4	5.2	496	1.95	2.6	26.6	1.6	22.9	27	0.5	0.5	0.3	24	0.41	0.022	
1471736	Soil	1.1	16.1	14.6	67	0.1	17.4	8.3	296	3.01	8.3	1.3	2.5	12.1	15	<0.1	0.7	0.3	47	0.13	0.021	
1471741	Soil	1.2	10.4	19.0	72	0.1	11.9	7.2	433	2.80	6.7	1.4	0.7	12.2	12	0.2	0.9	0.2	32	0.11	0.037	
1532379	Soil	1.7	27.0	11.1	99	0.2	24.4	11.1	362	2.88	25.3	1.4	8.7	4.9	18	0.3	1.6	0.2	51	0.18	0.060	
1471738	Soil	1.1	14.7	17.6	79	<0.1	14.1	8.1	363	3.13	6.6	1.6	0.8	19.0	12	0.1	0.6	0.3	37	0.12	0.025	
1532376	Soil	1.5	15.9	8.9	65	0.2	16.0	6.1	197	2.44	27.7	1.0	5.1	2.7	16	0.2	1.2	0.2	46	0.18	0.058	



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Project: ERK

Report Date: September 02, 2017

Page: 11 of 11

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000531.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1532381	Soil	53	36	0.55	318	0.080	2	2.10	0.010	0.21	0.2	0.10	5.9	0.3	<0.05	7	0.8	<0.2
1471748	Soil	12	23	0.37	144	0.043	1	1.32	0.011	0.06	0.2	0.11	3.0	0.2	<0.05	4	0.8	<0.2
1471747	Soil	17	22	0.36	136	0.047	<1	1.19	0.008	0.07	0.2	0.08	2.9	0.1	<0.05	4	0.6	<0.2
1471746	Soil	18	22	0.35	138	0.046	<1	1.30	0.008	0.08	0.2	0.10	3.0	0.2	<0.05	4	0.6	<0.2
1532377	Soil	17	27	0.41	182	0.043	2	1.51	0.009	0.06	0.2	0.15	3.5	0.2	<0.05	5	1.2	<0.2
1471744	Soil	190	18	0.26	520	0.048	<1	1.34	0.009	0.18	0.1	0.06	5.7	0.3	<0.05	6	1.4	<0.2
1471736	Soil	25	28	0.53	253	0.096	<1	1.92	0.011	0.20	0.2	0.02	4.9	0.3	<0.05	7	0.6	<0.2
1471741	Soil	16	18	0.36	216	0.063	<1	1.30	0.007	0.21	0.2	0.03	4.9	0.3	<0.05	6	<0.5	<0.2
1532379	Soil	18	27	0.44	199	0.050	1	1.40	0.010	0.06	0.2	0.14	4.3	0.3	<0.05	4	1.2	<0.2
1471738	Soil	32	23	0.58	267	0.132	<1	1.85	0.008	0.52	0.3	0.02	4.7	0.5	<0.05	8	<0.5	<0.2
1532376	Soil	15	20	0.31	139	0.042	<1	1.09	0.008	0.05	0.4	0.10	2.6	0.2	<0.05	4	<0.5	<0.2



QUALITY CONTROL REPORT

WHI17000531.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	0.1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1533056	Soil	2.7	29.9	14.8	83	0.2	20.3	12.5	668	3.00	54.0	1.5	2.4	4.9	23	0.4	7.0	0.3	53	0.17	0.068
REP 1533056	QC	2.7	29.9	15.1	81	0.2	21.0	12.4	676	3.07	54.2	1.5	2.4	4.9	24	0.5	6.9	0.3	55	0.17	0.070
1534316	Soil	1.7	38.3	10.4	93	<0.1	28.2	14.3	387	3.62	10.9	1.4	1.5	6.7	24	0.3	0.6	0.2	84	0.24	0.071
REP 1534316	QC	1.7	40.8	10.5	97	<0.1	29.0	14.4	400	3.72	11.1	1.4	3.3	6.8	24	0.2	0.4	0.2	88	0.24	0.074
1532154	Soil	1.5	35.9	11.6	80	0.2	25.2	10.3	332	2.99	18.2	1.9	4.7	6.8	16	0.2	1.9	0.2	62	0.19	0.063
REP 1532154	QC	1.5	35.8	11.8	80	0.2	24.0	10.5	329	2.96	17.6	1.8	3.4	7.1	16	0.2	1.8	0.2	61	0.21	0.059
1534436	Soil	1.3	20.8	10.4	79	0.4	18.8	7.4	226	2.53	13.2	1.4	2.3	2.5	13	0.3	0.7	0.2	55	0.15	0.059
REP 1534436	QC	1.3	20.2	10.3	74	0.4	18.7	7.1	237	2.50	13.1	1.3	3.6	2.5	13	0.3	0.6	0.2	53	0.15	0.056
1533940	Soil	1.3	17.4	12.8	83	0.1	19.4	10.1	398	2.74	12.0	1.1	4.0	9.5	15	0.2	0.9	0.2	49	0.21	0.057
REP 1533940	QC	1.1	18.6	12.9	81	0.1	19.7	9.7	408	2.57	12.0	1.1	3.8	9.8	16	0.2	0.9	0.2	49	0.22	0.054
1475379	Soil	1.4	39.6	11.3	100	0.2	27.2	9.8	249	2.70	14.6	1.6	0.8	3.2	24	0.2	1.5	0.2	60	0.23	0.058
REP 1475379	QC	1.5	39.6	11.6	96	0.2	28.0	9.8	246	2.78	15.0	1.6	2.2	3.3	23	0.3	1.7	0.2	61	0.25	0.055
1478447	Soil	1.2	40.0	15.8	99	0.2	44.6	13.1	386	3.69	47.9	1.3	25.6	9.9	12	0.2	1.4	0.2	63	0.12	0.021
REP 1478447	QC	1.3	40.8	15.7	96	0.2	44.3	12.7	349	3.74	46.3	1.3	9.6	10.3	12	0.2	1.3	0.2	62	0.12	0.022
1471735	Soil	1.1	14.7	19.4	68	0.1	16.3	8.1	295	2.91	8.8	0.9	2.0	7.5	14	0.2	0.7	0.5	50	0.14	0.040
REP 1471735	QC	1.2	14.5	19.3	68	0.1	16.4	8.1	295	2.90	8.6	0.9	2.2	7.4	14	0.2	0.7	0.5	49	0.13	0.037
Reference Materials																					
STD DS11	Standard	14.2	145.7	135.4	334	1.7	75.3	13.9	1017	3.13	42.8	2.5	67.3	7.1	63	2.4	8.3	11.0	51	0.99	0.068
STD DS11	Standard	13.7	148.4	141.5	337	1.7	77.9	14.4	1047	3.17	42.8	2.6	141.3	7.7	59	2.3	8.8	11.4	49	1.01	0.071
STD DS11	Standard	13.0	141.4	129.5	304	1.5	74.0	13.0	922	2.88	39.5	2.5	90.6	7.2	60	2.1	8.0	10.8	46	0.94	0.065
STD DS11	Standard	13.0	150.7	138.3	333	1.7	79.7	14.1	1058	3.11	43.2	2.6	76.2	7.6	62	2.4	8.3	11.5	49	0.99	0.071
STD DS11	Standard	14.3	147.9	137.5	327	1.6	76.6	13.5	1026	3.12	42.7	2.6	62.7	7.5	63	2.5	8.1	11.9	50	1.03	0.071
STD DS11	Standard	14.2	148.1	136.7	341	1.8	80.3	14.1	1045	3.20	42.4	2.7	61.4	8.1	78	2.3	9.4	12.8	52	1.07	0.072
STD DS11	Standard	13.7	147.0	136.4	345	1.7	78.9	13.6	1038	3.17	43.7	2.7	101.8	7.8	75	2.6	9.1	12.8	48	1.09	0.073
STD DS11	Standard	14.1	149.2	137.1	344	1.8	78.9	13.5	1054	3.18	42.8	2.7	73.6	7.9	75	2.5	9.2	12.4	50	1.06	0.069
STD OXC129	Standard	1.2	25.6	6.3	41	<0.1	74.4	20.0	406	2.94	<0.5	0.6	192.9	1.8	185	<0.1	<0.1	<0.1	52	0.65	0.093
STD OXC129	Standard	1.3	27.7	6.3	41	<0.1	78.1	21.6	399	3.10	<0.5	0.7	189.9	1.9	181	<0.1	<0.1	<0.1	55	0.64	0.099
STD OXC129	Standard	1.1	25.1	5.8	37	<0.1	72.4	19.2	381	2.77	0.7	0.6	186.3	1.7	172	<0.1	<0.1	<0.1	47	0.64	0.091



QUALITY CONTROL REPORT

WHI17000531.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	
	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm		
	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																			
1533056 Soil	29	40	0.55	139	0.092	2	1.39	0.010	0.19	1.0	0.11	3.6	0.5	0.08	5	<0.5	<0.2		
REP 1533056 QC	30	40	0.55	141	0.094	2	1.39	0.011	0.19	0.9	0.10	3.5	0.5	0.07	6	<0.5	<0.2		
1534316 Soil	19	49	0.88	294	0.114	2	2.24	0.014	0.24	0.2	0.02	5.6	0.3	0.05	7	0.6	<0.2		
REP 1534316 QC	20	50	0.89	302	0.118	2	2.30	0.015	0.23	0.2	0.03	5.6	0.2	<0.05	7	1.0	<0.2		
1532154 Soil	28	38	0.61	199	0.085	2	1.82	0.011	0.16	0.2	0.10	4.9	0.4	<0.05	6	0.5	<0.2		
REP 1532154 QC	28	36	0.62	196	0.084	2	1.78	0.011	0.16	0.2	0.09	5.0	0.4	<0.05	6	0.6	<0.2		
1534436 Soil	21	28	0.44	200	0.044	<1	1.40	0.007	0.07	0.2	0.07	3.5	0.3	<0.05	5	0.6	<0.2		
REP 1534436 QC	21	27	0.43	191	0.045	<1	1.37	0.006	0.07	0.2	0.05	3.3	0.2	<0.05	5	<0.5	<0.2		
1533940 Soil	27	27	0.50	195	0.083	1	1.52	0.008	0.16	0.2	0.02	3.7	0.2	<0.05	5	<0.5	<0.2		
REP 1533940 QC	28	27	0.50	198	0.082	1	1.53	0.008	0.15	0.2	0.03	3.7	0.2	<0.05	5	<0.5	<0.2		
1475379 Soil	19	34	0.48	596	0.045	1	1.71	0.009	0.06	0.2	0.15	5.4	0.2	<0.05	5	0.6	<0.2		
REP 1475379 QC	18	34	0.50	582	0.046	2	1.71	0.009	0.06	0.2	0.16	5.5	0.2	<0.05	5	0.6	<0.2		
1478447 Soil	27	52	0.39	174	0.033	1	1.64	0.006	0.06	0.1	0.12	8.0	0.5	<0.05	4	0.6	<0.2		
REP 1478447 QC	25	51	0.40	166	0.032	<1	1.64	0.006	0.07	<0.1	0.10	7.8	0.5	<0.05	5	0.5	<0.2		
1471735 Soil	24	25	0.49	211	0.091	1	1.82	0.009	0.19	0.3	0.02	3.4	0.2	<0.05	6	0.7	<0.2		
REP 1471735 QC	23	25	0.48	206	0.091	<1	1.82	0.008	0.19	0.3	0.02	3.7	0.2	<0.05	6	<0.5	<0.2		
Reference Materials																			
STD DS11 Standard	17	58	0.84	349	0.086	7	1.13	0.078	0.41	2.8	0.26	3.3	4.7	0.27	5	2.2	4.5		
STD DS11 Standard	17	58	0.79	370	0.085	7	1.04	0.071	0.35	3.3	0.27	2.9	4.9	0.29	5	2.3	4.7		
STD DS11 Standard	17	55	0.79	359	0.084	7	1.06	0.068	0.37	2.8	0.25	3.0	4.6	0.27	4	2.3	4.5		
STD DS11 Standard	18	58	0.84	373	0.088	7	1.13	0.071	0.40	3.3	0.27	3.0	5.1	0.30	5	2.5	4.8		
STD DS11 Standard	19	58	0.81	397	0.092	8	1.20	0.073	0.39	3.0	0.26	3.3	4.7	0.30	5	2.3	4.9		
STD DS11 Standard	21	60	0.87	393	0.101	8	1.22	0.077	0.41	3.1	0.28	3.5	4.8	0.25	5	2.4	4.7		
STD DS11 Standard	21	59	0.88	374	0.094	6	1.22	0.075	0.41	3.1	0.26	3.5	4.8	0.28	5	2.9	4.8		
STD DS11 Standard	21	61	0.84	391	0.097	7	1.16	0.075	0.40	3.0	0.26	3.4	4.8	0.27	5	1.9	4.6		
STD OXC129 Standard	12	50	1.52	47	0.372	1	1.46	0.580	0.35	<0.1	<0.01	1.3	<0.1	<0.05	5	<0.5	<0.2		
STD OXC129 Standard	12	53	1.46	48	0.389	1	1.40	0.590	0.33	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2		
STD OXC129 Standard	11	46	1.43	45	0.340	1	1.36	0.540	0.34	<0.1	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2		



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Project: ERK

Report Date: September 02, 2017

Page: 2 of 2

Part: 1 of 2

QUALITY CONTROL REPORT

WHI17000531.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD OXC129	Standard	1.2	27.6	6.2	42	<0.1	76.4	19.8	410	3.01	<0.5	0.7	196.5	1.8	183	<0.1	<0.1	<0.1	51	0.65	0.098
STD OXC129	Standard	1.2	28.6	6.2	41	<0.1	80.1	20.6	429	3.04	0.8	0.7	195.2	1.8	196	<0.1	<0.1	<0.1	54	0.76	0.101
STD OXC129	Standard	1.1	26.5	6.3	40	<0.1	78.5	20.7	426	3.08	0.5	0.7	199.8	1.9	221	<0.1	<0.1	<0.1	52	0.76	0.103
STD OXC129	Standard	1.2	26.4	6.2	41	<0.1	77.2	19.7	425	3.05	<0.5	0.7	195.7	1.9	205	<0.1	<0.1	<0.1	49	0.71	0.104
STD OXC129	Standard	1.3	25.8	6.2	41	<0.1	75.5	19.6	416	3.02	0.6	0.7	190.6	1.8	206	<0.1	<0.1	<0.1	51	0.71	0.099
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	0.72	195	1.9					51	0.665	0.102
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



QUALITY CONTROL REPORT

WHI17000531.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD OXC129	Standard	12	50	1.47	49	0.376	1	1.51	0.537	0.34	<0.1	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	53	1.54	51	0.407	1	1.59	0.572	0.35	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	51	1.56	52	0.398	2	1.63	0.610	0.36	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	11	50	1.58	50	0.390	<1	1.60	0.589	0.37	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	51	1.50	49	0.392	<1	1.54	0.590	0.35	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: August 22, 2017
Report Date: September 06, 2017
Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI17000652.1

CLIENT JOB INFORMATION

Project: ERK
Shipment ID: ERK-20170817-001-SOIL
P.O. Number
Number of Samples: 97

SAMPLE DISPOSAL

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

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

Invoice To: Pacific Ridge Exploration Ltd.
Suite 1100, 1111 Melville St,
Vancouver British Columbia V6E 3V6
Canada

CC: Isaac Fage
Jodie Gibson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	97	Dry at 60C			WHI
SS80	97	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	97	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	97	Per sample shipping charges for branch shipments			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. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: ERK

Report Date: September 06, 2017

Page: 2 of 5

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000652.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	
1475660	Soil	1.5	26.9	12.7	72	0.2	20.8	8.3	329	2.67	24.1	1.2	3.5	3.6	17	0.2	1.7	0.3	57	0.18	0.050
1475667	Soil	1.4	34.5	11.3	73	0.2	25.5	11.0	401	2.96	28.0	1.7	4.4	5.0	21	0.1	1.5	0.2	67	0.19	0.032
1475664	Soil	1.6	35.4	9.3	81	0.2	23.0	8.3	338	2.70	22.3	3.3	5.3	6.1	29	0.2	1.4	0.2	62	0.27	0.052
1475661	Soil	1.5	31.2	11.3	64	0.2	20.6	6.5	207	2.61	17.6	1.4	4.3	1.8	16	0.2	1.1	0.2	61	0.16	0.049
1475654	Soil	1.3	37.7	10.9	68	0.2	25.8	9.3	357	2.72	21.5	1.7	3.2	4.4	22	0.1	1.2	0.2	62	0.21	0.040
1475666	Soil	2.1	38.2	13.5	79	0.4	22.6	9.7	419	3.20	35.1	1.9	6.1	4.6	20	0.3	1.5	0.3	81	0.17	0.049
1475665	Soil	2.1	33.9	10.7	82	0.2	22.7	11.0	452	2.99	23.6	1.5	4.1	3.8	20	0.3	1.3	0.2	75	0.18	0.076
1475658	Soil	1.5	36.7	11.6	75	0.2	27.1	9.0	334	2.74	17.2	2.2	4.4	4.9	24	0.1	1.2	0.2	66	0.22	0.039
1475656	Soil	1.9	31.4	53.2	84	0.3	23.2	9.1	282	3.00	25.8	1.3	6.9	4.9	18	0.3	1.4	0.3	78	0.15	0.033
1475673	Soil	1.5	31.0	12.7	79	0.2	26.0	12.1	343	2.91	23.2	1.2	3.6	3.3	22	0.2	1.3	0.2	67	0.26	0.050
1475669	Soil	1.6	27.9	10.8	63	0.1	21.0	8.5	265	2.73	30.0	1.4	4.8	2.5	20	0.2	1.2	0.2	62	0.22	0.068
1475663	Soil	2.1	48.9	14.2	95	0.3	22.1	6.4	207	2.56	60.2	2.7	3.2	7.0	31	0.4	3.0	0.2	61	0.19	0.072
1475657	Soil	1.8	33.9	16.1	68	0.3	23.7	8.3	270	2.71	41.3	1.7	6.8	4.9	22	0.2	2.7	0.2	67	0.18	0.034
1475659	Soil	1.4	32.4	12.4	71	0.1	20.9	8.6	349	2.60	17.7	1.2	2.9	4.5	18	0.2	1.5	0.2	55	0.18	0.048
1475668	Soil	1.6	31.8	11.5	68	0.2	24.1	9.5	345	2.51	31.6	1.1	5.1	4.4	19	0.2	1.7	0.2	59	0.19	0.038
1475662	Soil	1.9	29.8	12.4	73	0.3	27.3	10.5	323	3.02	40.5	1.1	4.3	4.7	17	0.4	1.8	0.2	71	0.15	0.053
1475681	Soil	3.5	52.2	11.5	108	0.5	32.2	11.0	379	3.01	73.7	2.6	14.8	4.4	25	0.6	3.6	0.2	71	0.18	0.102
1475679	Soil	3.4	55.0	10.5	125	0.6	32.3	9.2	290	3.18	38.4	2.4	7.9	3.4	22	0.6	2.4	0.2	76	0.17	0.092
1475655	Soil	3.2	47.5	14.7	94	0.6	27.4	9.1	303	3.18	32.1	2.3	4.6	5.7	27	0.4	2.3	0.2	80	0.21	0.065
1475653	Soil	2.1	34.5	12.1	63	0.2	22.3	6.8	217	2.72	54.8	1.2	6.7	3.8	19	0.3	2.5	0.2	70	0.15	0.049
1475675	Soil	3.1	51.3	9.8	124	0.9	30.2	11.6	282	3.13	25.0	3.7	8.9	3.8	26	0.4	1.4	0.2	132	0.32	0.117
1475676	Soil	3.5	49.3	13.1	77	0.5	17.3	7.5	527	2.51	120.5	1.8	1.9	0.3	24	0.8	7.1	0.3	79	0.13	0.108
1475652	Soil	2.7	20.1	13.2	66	0.6	16.7	7.3	265	3.30	39.8	0.8	2.8	2.5	15	0.5	1.5	0.3	89	0.13	0.086
1475670	Soil	1.7	31.0	10.4	63	0.2	22.6	8.8	294	2.50	24.4	1.6	3.8	2.6	27	0.2	1.3	0.2	58	0.29	0.078
1475678	Soil	2.5	38.4	11.1	102	0.5	25.6	10.4	320	2.91	36.7	1.6	28.2	3.9	21	0.5	2.4	0.2	68	0.19	0.076
1475677	Soil	0.9	17.4	5.9	24	0.1	8.2	2.9	55	1.26	4.7	0.4	1.5	<0.1	17	0.2	0.4	0.2	28	0.13	0.078
1475683	Soil	1.3	30.0	10.6	69	0.2	25.4	9.9	282	2.65	37.9	1.4	4.4	4.5	19	0.2	1.9	0.2	58	0.24	0.078
1475671	Soil	1.4	27.0	10.6	72	<0.1	25.4	9.4	279	2.85	22.3	1.0	2.1	3.3	21	0.2	1.4	0.2	67	0.23	0.042
1475680	Soil	4.0	63.6	12.7	101	0.7	27.2	7.4	265	3.10	69.2	3.4	9.6	4.3	24	0.4	4.5	0.2	80	0.16	0.118
1475672	Soil	1.5	29.3	10.1	66	0.1	23.9	9.2	268	2.86	26.9	1.1	3.1	3.5	21	<0.1	1.6	0.2	70	0.24	0.031

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



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Project: ERK
Report Date: September 06, 2017

Page: 2 of 5

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000652.1

Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	TI ppm	S %	Ga ppm	Se ppm	Te ppm	
1475660	Soil	16	32	0.50	186	0.063	<1	1.57	0.009	0.10	0.3	0.06	3.5	0.2	<0.05	5	0.5	<0.2
1475667	Soil	20	38	0.60	373	0.065	2	2.11	0.007	0.09	0.2	0.17	7.9	0.1	<0.05	6	0.6	<0.2
1475664	Soil	25	35	0.59	372	0.069	2	1.59	0.011	0.14	0.2	0.10	6.6	0.2	<0.05	5	0.8	<0.2
1475661	Soil	15	33	0.50	196	0.052	1	1.79	0.007	0.10	0.2	0.07	3.4	0.2	<0.05	5	<0.5	<0.2
1475654	Soil	19	36	0.57	370	0.066	2	1.67	0.009	0.10	0.2	0.09	6.2	0.2	<0.05	5	0.6	<0.2
1475666	Soil	16	40	0.54	319	0.057	1	2.27	0.010	0.10	0.1	0.12	5.5	0.3	<0.05	7	0.7	<0.2
1475665	Soil	15	36	0.57	273	0.074	1	1.80	0.010	0.14	0.2	0.06	4.5	0.3	0.07	6	1.1	<0.2
1475658	Soil	19	43	0.58	404	0.067	<1	1.70	0.010	0.10	0.3	0.07	5.6	0.2	<0.05	5	0.7	<0.2
1475656	Soil	14	39	0.56	283	0.073	2	2.25	0.007	0.10	0.2	0.08	5.3	0.2	<0.05	6	0.9	<0.2
1475673	Soil	15	37	0.64	316	0.070	1	2.02	0.008	0.11	0.2	0.11	6.1	0.2	<0.05	6	0.5	<0.2
1475669	Soil	16	33	0.52	264	0.050	1	1.96	0.007	0.09	0.2	0.17	4.6	0.2	<0.05	6	0.7	<0.2
1475663	Soil	27	30	0.45	299	0.057	1	1.32	0.013	0.13	0.2	0.17	5.0	0.6	0.11	4	1.9	<0.2
1475657	Soil	18	37	0.55	366	0.065	1	1.82	0.008	0.11	0.3	0.18	6.5	0.2	<0.05	6	1.0	<0.2
1475659	Soil	17	31	0.51	218	0.071	<1	1.40	0.008	0.13	0.4	0.04	3.9	0.2	<0.05	5	0.5	<0.2
1475668	Soil	17	33	0.52	299	0.062	2	1.60	0.008	0.08	0.2	0.13	5.0	0.2	<0.05	5	0.7	<0.2
1475662	Soil	14	37	0.52	239	0.062	1	2.14	0.009	0.09	0.2	0.12	4.9	0.2	<0.05	6	0.9	<0.2
1475681	Soil	17	35	0.45	203	0.058	2	1.84	0.010	0.10	0.3	0.20	4.9	0.5	<0.05	5	1.0	<0.2
1475679	Soil	19	36	0.43	275	0.053	1	1.43	0.009	0.20	0.2	0.16	4.7	0.5	0.11	5	1.5	<0.2
1475655	Soil	21	38	0.57	480	0.073	<1	1.71	0.009	0.19	0.3	0.11	6.8	0.6	0.12	5	1.9	<0.2
1475653	Soil	18	31	0.41	196	0.058	<1	1.57	0.008	0.09	0.2	0.11	4.4	0.2	<0.05	5	0.9	<0.2
1475675	Soil	23	59	0.83	447	0.095	2	2.11	0.009	0.19	0.3	0.08	6.8	0.6	0.08	6	1.5	<0.2
1475676	Soil	12	30	0.22	240	0.035	1	1.18	0.009	0.08	<0.1	0.17	1.9	0.3	0.09	6	1.4	<0.2
1475652	Soil	13	37	0.38	166	0.064	<1	2.14	0.007	0.07	0.2	0.06	3.8	0.3	<0.05	9	0.8	<0.2
1475670	Soil	19	32	0.53	355	0.055	2	1.66	0.009	0.09	0.2	0.18	5.0	0.2	<0.05	5	0.5	<0.2
1475678	Soil	17	34	0.48	249	0.059	2	1.50	0.008	0.14	0.2	0.16	4.8	0.4	<0.05	5	1.2	<0.2
1475677	Soil	5	16	0.15	71	0.025	1	0.91	0.023	0.06	<0.1	0.08	1.2	0.1	0.10	3	0.6	<0.2
1475683	Soil	17	33	0.54	196	0.062	2	1.90	0.008	0.09	0.3	0.23	4.9	0.3	<0.05	5	0.9	<0.2
1475671	Soil	17	36	0.57	311	0.068	2	2.01	0.009	0.09	0.2	0.09	5.6	0.2	<0.05	6	0.6	<0.2
1475680	Soil	22	36	0.34	262	0.042	<1	1.35	0.008	0.14	0.2	0.20	5.7	0.6	0.11	5	2.2	<0.2
1475672	Soil	16	37	0.60	298	0.071	<1	1.92	0.009	0.09	0.4	0.09	5.8	0.2	<0.05	5	0.6	<0.2



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Project: ERK
Report Date: September 06, 2017

Page: 3 of 5 Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000652.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1475674	Soil	3.2	47.6	8.8	122	0.7	29.9	9.7	254	2.89	23.3	3.8	3.4	3.7	26	0.4	1.2	0.1	137	0.34	0.121
1475651	Soil	1.5	22.0	9.7	75	0.2	24.2	11.8	473	2.81	53.9	0.9	6.6	3.6	18	0.4	2.7	0.2	63	0.21	0.067
1475227	Soil	1.4	14.8	13.0	71	<0.1	20.5	9.4	465	3.00	9.5	1.4	2.3	11.0	17	0.2	0.5	0.2	55	0.18	0.046
1475392	Soil	1.7	28.4	11.4	70	0.3	22.2	9.1	283	2.85	14.2	1.6	3.0	2.8	18	0.2	0.7	0.2	62	0.19	0.056
1475397	Soil	1.9	40.7	10.4	72	0.2	28.7	10.5	399	3.05	12.7	1.5	2.0	7.0	14	<0.1	1.1	0.3	52	0.09	0.026
1475682	Soil	1.9	18.5	10.9	62	0.2	21.1	8.6	271	3.28	33.1	0.7	3.9	4.1	14	0.2	1.5	0.2	73	0.13	0.037
1475237	Soil	1.7	35.8	10.4	89	0.2	30.1	10.2	358	3.00	11.5	1.7	2.5	6.0	17	0.2	0.6	0.2	65	0.21	0.052
1475394	Soil	1.5	49.0	8.5	100	0.2	35.5	12.0	427	3.29	13.7	1.9	0.8	6.1	16	0.2	0.6	0.2	70	0.20	0.052
1475400	Soil	1.7	47.0	10.5	75	<0.1	35.8	12.8	430	3.13	8.5	2.6	4.2	11.2	14	<0.1	0.6	0.3	49	0.11	0.028
1475391	Soil	1.0	60.7	4.6	102	<0.1	46.3	19.3	348	4.48	7.0	1.4	1.8	3.5	19	0.3	0.3	0.1	120	0.54	0.146
1475240	Soil	1.4	59.2	12.0	138	0.1	48.7	18.8	478	4.47	6.7	2.6	0.5	17.9	9	0.2	0.2	0.3	55	0.19	0.106
1475389	Soil	1.3	26.6	10.2	75	0.5	24.3	7.3	200	2.42	16.8	1.7	2.2	1.3	17	0.3	0.6	0.2	49	0.20	0.078
1475399	Soil	2.0	54.1	10.6	75	0.1	35.5	12.5	425	3.21	10.1	2.8	2.9	9.8	16	<0.1	0.7	0.3	54	0.12	0.028
1475398	Soil	1.9	39.4	11.3	71	0.2	29.0	10.1	321	2.91	13.3	1.7	3.4	7.4	15	0.1	0.9	0.2	56	0.11	0.023
1475233	Soil	1.4	18.5	12.7	67	0.2	19.2	8.7	334	2.51	12.6	1.0	2.2	4.8	13	0.2	0.4	0.4	57	0.17	0.056
1475230	Soil	2.4	22.8	30.9	88	0.9	26.8	9.1	403	3.03	10.6	8.9	9.0	14.4	27	0.4	0.6	1.0	63	0.40	0.056
1475396	Soil	1.4	42.9	11.5	99	0.1	29.2	14.1	398	4.03	10.7	2.0	<0.5	15.1	15	0.1	0.4	0.4	61	0.15	0.068
1475226	Soil	2.0	41.1	13.3	80	0.3	33.5	12.2	505	3.53	11.5	1.5	1.2	8.8	13	0.2	0.8	0.3	60	0.10	0.036
1475229	Soil	1.9	14.0	14.9	71	0.1	18.7	8.4	316	2.89	11.4	1.2	3.0	8.1	13	0.2	0.5	0.4	62	0.15	0.045
1475241	Soil	2.0	43.1	10.3	73	0.2	28.9	10.4	409	3.04	10.3	2.5	2.1	7.4	18	<0.1	0.8	0.3	53	0.12	0.026
1475236	Soil	1.8	43.6	11.1	104	0.1	33.1	9.5	394	2.85	13.3	1.9	2.9	7.0	19	0.3	0.6	0.2	66	0.17	0.038
1475238	Soil	2.0	50.0	10.8	107	0.2	38.6	12.4	356	3.74	9.3	1.3	0.9	8.0	16	0.2	0.2	0.3	70	0.19	0.088
1475232	Soil	1.7	18.3	14.5	89	0.3	26.7	12.5	524	3.31	12.5	1.2	1.6	8.9	16	0.3	0.6	0.3	62	0.20	0.061
1475242	Soil	1.4	50.0	10.3	79	0.1	36.8	12.7	555	3.25	11.2	1.7	4.9	7.2	18	<0.1	0.9	0.3	55	0.16	0.024
1475239	Soil	1.6	41.7	8.7	80	0.1	26.8	10.5	309	3.06	8.0	2.0	5.0	6.2	16	0.1	0.4	0.2	81	0.11	0.026
1475234	Soil	1.1	18.6	12.7	82	0.2	26.1	9.6	334	2.98	8.4	1.2	3.9	10.1	17	0.1	0.4	0.2	55	0.21	0.034
1475243	Soil	3.4	62.3	12.6	102	0.4	44.7	14.4	430	3.81	13.7	1.9	1.6	7.0	15	0.2	0.9	0.3	70	0.11	0.035
1475393	Soil	1.3	33.0	9.4	75	<0.1	25.7	8.9	303	2.69	11.6	1.7	1.5	5.4	19	0.1	0.7	0.2	57	0.22	0.036
1475388	Soil	1.7	26.4	11.4	80	0.2	27.1	9.3	307	2.72	15.1	2.2	1.9	5.5	19	0.2	0.6	0.2	61	0.25	0.046
1475228	Soil	1.2	19.3	13.6	81	0.3	20.6	7.8	280	2.81	9.4	1.5	3.8	7.3	16	0.3	0.4	0.3	61	0.19	0.051



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Project: ERK
Report Date: September 06, 2017

Page: 3 of 5

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000652.1

Method Analyte	Unit	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
MDL	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
1475674	Soil	22	59	0.81	405	0.092	2	1.86	0.010	0.20	0.2	0.06	5.7	0.6	0.10	6	1.4	<0.2
1475651	Soil	14	32	0.50	193	0.062	2	1.93	0.008	0.09	0.3	0.32	4.3	0.2	<0.05	5	0.8	<0.2
1475227	Soil	23	36	0.52	235	0.105	1	1.92	0.007	0.26	0.2	0.02	4.4	0.3	<0.05	7	<0.5	<0.2
1475392	Soil	22	34	0.48	261	0.051	1	1.89	0.009	0.10	0.1	0.04	4.5	0.2	<0.05	6	<0.5	<0.2
1475397	Soil	22	35	0.55	159	0.077	2	1.67	0.007	0.16	0.1	0.03	5.3	0.3	<0.05	5	0.5	<0.2
1475682	Soil	13	33	0.49	117	0.072	2	2.11	0.009	0.09	0.2	0.07	3.9	0.2	<0.05	6	0.6	<0.2
1475237	Soil	19	38	0.63	300	0.082	2	1.72	0.009	0.21	0.1	0.03	4.9	0.2	<0.05	6	<0.5	<0.2
1475394	Soil	25	47	0.81	499	0.120	2	1.91	0.009	0.33	0.1	0.04	6.5	0.2	<0.05	6	0.6	<0.2
1475400	Soil	48	32	0.71	205	0.083	2	1.85	0.008	0.27	0.1	0.02	6.3	0.3	0.05	5	0.6	<0.2
1475391	Soil	24	59	1.39	1480	0.231	1	2.46	0.013	0.88	0.1	0.02	7.3	0.2	<0.05	9	<0.5	<0.2
1475240	Soil	45	46	1.07	280	0.221	2	2.65	0.006	1.08	<0.1	0.02	5.1	0.8	<0.05	8	<0.5	<0.2
1475389	Soil	21	38	0.51	279	0.052	2	1.72	0.010	0.18	0.1	0.06	3.8	0.2	<0.05	6	0.5	<0.2
1475399	Soil	51	33	0.73	242	0.080	1	1.92	0.008	0.23	<0.1	0.03	7.4	0.3	0.05	5	0.7	<0.2
1475398	Soil	21	36	0.56	194	0.062	2	1.82	0.008	0.12	0.1	0.03	5.0	0.3	<0.05	5	<0.5	<0.2
1475233	Soil	18	35	0.55	211	0.090	3	1.58	0.008	0.14	0.4	0.02	3.5	0.2	<0.05	6	<0.5	<0.2
1475230	Soil	116	41	0.57	473	0.061	3	2.20	0.009	0.18	0.3	0.05	6.8	0.2	<0.05	7	1.0	0.2
1475396	Soil	24	48	0.94	433	0.224	1	2.44	0.010	0.76	<0.1	0.02	6.1	0.6	0.06	8	<0.5	<0.2
1475226	Soil	19	39	0.65	216	0.084	1	2.24	0.007	0.20	0.1	0.03	4.7	0.4	<0.05	6	0.6	<0.2
1475229	Soil	23	44	0.61	202	0.102	2	1.85	0.008	0.20	0.4	0.02	4.5	0.2	<0.05	7	<0.5	<0.2
1475241	Soil	23	33	0.56	265	0.064	2	1.63	0.008	0.12	0.1	0.03	6.2	0.3	<0.05	5	<0.5	<0.2
1475236	Soil	20	37	0.57	274	0.074	2	1.64	0.010	0.14	0.1	0.03	5.2	0.3	<0.05	5	0.6	<0.2
1475238	Soil	23	46	0.96	313	0.175	1	2.22	0.008	0.68	<0.1	0.02	4.4	0.5	0.08	7	0.5	<0.2
1475232	Soil	24	56	0.78	239	0.126	1	2.13	0.008	0.26	0.8	0.03	4.4	0.3	<0.05	8	<0.5	<0.2
1475242	Soil	27	35	0.62	265	0.085	2	1.80	0.009	0.14	0.1	0.07	7.5	0.3	<0.05	5	<0.5	<0.2
1475239	Soil	22	49	0.78	444	0.123	2	1.93	0.010	0.25	<0.1	0.03	5.5	0.2	0.06	6	<0.5	<0.2
1475234	Soil	27	53	0.81	242	0.138	2	2.16	0.009	0.25	0.2	0.03	4.5	0.3	<0.05	7	<0.5	<0.2
1475243	Soil	21	44	0.75	277	0.093	1	2.31	0.008	0.24	0.1	0.04	5.9	0.4	0.05	7	<0.5	<0.2
1475393	Soil	21	36	0.57	315	0.077	1	1.57	0.010	0.12	0.2	0.03	5.7	0.2	<0.05	5	<0.5	<0.2
1475388	Soil	18	36	0.53	284	0.066	1	1.69	0.009	0.07	0.1	0.03	4.3	0.2	<0.05	5	<0.5	<0.2
1475228	Soil	28	40	0.61	294	0.109	2	1.81	0.008	0.21	0.2	0.03	4.7	0.3	<0.05	7	<0.5	<0.2



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Report Date: September 06, 2017

Page: 4 of 5

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000652.1

Method Analyte	Unit	MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%	%
			0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	0.1	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	0.001
1475231	Soil		1.5	20.4	12.6	63	0.3	19.9	7.4	234	2.15	10.2	1.4	5.6	3.5	18	0.3	0.3	0.3	50	0.21	0.049
1475390	Soil		1.4	28.4	9.3	77	0.1	22.4	9.6	276	2.57	13.3	1.4	2.0	5.5	15	0.2	0.6	0.2	56	0.18	0.050
1475395	Soil		1.2	42.3	9.4	105	0.1	29.7	11.7	330	3.38	19.2	1.9	1.6	13.2	14	0.2	0.3	0.3	49	0.23	0.091
1475235	Soil		1.5	20.8	10.6	84	0.2	23.2	8.9	358	3.12	12.6	1.1	0.5	7.6	17	0.1	0.6	0.2	67	0.18	0.050
1475440	Soil		1.0	20.9	13.9	85	<0.1	17.8	11.4	541	3.30	7.2	1.2	3.6	6.6	16	0.1	0.6	0.1	57	0.26	0.080
1533887	Soil		1.6	28.4	16.8	73	0.2	21.5	10.0	428	3.00	14.6	1.2	5.2	5.0	18	0.2	1.0	0.2	63	0.18	0.052
1475447	Soil		3.7	117.4	25.7	142	0.1	71.4	31.4	1343	5.55	33.0	3.2	5.3	16.4	30	0.2	2.9	0.2	48	0.07	0.058
1475445	Soil		1.6	20.5	16.4	67	0.2	19.7	11.3	594	3.10	11.7	1.2	3.0	4.4	17	0.2	0.7	0.2	60	0.18	0.068
1533891	Soil		0.8	12.5	17.5	87	0.2	12.1	6.6	450	2.61	4.1	9.9	6.9	19.6	19	0.1	0.6	0.2	34	0.32	0.072
1475443	Soil		1.7	34.6	17.1	74	0.2	26.3	9.7	471	2.95	12.1	2.5	11.4	8.1	15	0.2	0.9	0.3	51	0.16	0.044
1533885	Soil		1.4	22.0	17.5	70	0.1	20.5	11.5	608	3.16	10.9	1.2	1.4	5.1	15	0.1	0.6	0.2	66	0.16	0.064
1475444	Soil		1.4	23.2	16.2	77	0.1	24.7	10.4	632	3.12	12.6	1.0	2.4	5.6	18	0.3	0.7	0.2	61	0.23	0.081
1533881	Soil		1.0	27.1	11.5	60	<0.1	21.6	8.2	296	2.39	10.9	1.7	4.3	3.7	17	<0.1	0.7	0.2	47	0.18	0.036
1533878	Soil		1.8	28.1	15.1	62	<0.1	26.7	11.4	461	3.06	13.0	1.3	4.0	5.3	14	0.2	0.8	0.2	61	0.16	0.058
1533886	Soil		1.3	23.2	16.7	72	0.2	20.7	10.5	439	2.99	9.5	0.8	1.4	2.3	15	0.2	0.7	0.2	63	0.15	0.057
1475442	Soil		1.1	34.1	18.3	89	<0.1	44.1	19.7	656	3.62	13.3	1.7	4.0	8.7	16	0.2	1.2	0.2	82	0.16	0.034
1533877	Soil		2.0	37.2	62.5	60	0.1	37.5	14.6	361	3.12	10.6	1.3	4.2	5.8	13	0.2	0.7	0.4	69	0.15	0.046
1533884	Soil		1.4	33.4	20.8	62	0.1	28.3	12.0	534	2.98	10.1	3.1	5.5	6.6	17	<0.1	0.8	0.2	58	0.19	0.031
1475434	Soil		1.0	13.2	14.8	61	0.1	13.6	8.1	506	2.50	8.0	2.3	3.6	4.2	16	0.2	0.5	0.2	49	0.20	0.061
1533882	Soil		0.9	34.5	14.1	72	0.2	26.9	11.6	484	2.90	9.9	1.5	1.7	4.6	23	<0.1	0.7	0.2	56	0.26	0.051
1475441	Soil		1.1	26.8	12.1	71	<0.1	24.2	12.2	499	3.05	10.6	1.2	5.6	7.2	17	<0.1	0.8	0.2	61	0.20	0.058
1475449	Soil		2.5	81.9	16.1	73	<0.1	32.6	14.9	1000	3.44	9.0	1.0	2.1	3.6	10	<0.1	1.7	0.3	109	0.14	0.065
1533890	Soil		0.6	11.7	15.4	103	<0.1	35.6	11.2	768	3.59	5.6	2.9	1.8	15.2	19	<0.1	0.5	0.2	46	0.29	0.099
1475450	Soil		1.9	80.8	15.6	85	<0.1	37.1	15.6	895	3.74	6.6	0.8	0.6	4.0	11	0.1	0.7	0.3	89	0.18	0.065
1533876	Soil		1.8	36.3	6.5	60	<0.1	70.1	30.7	392	3.87	3.8	0.7	<0.5	5.9	10	<0.1	<0.1	<0.1	117	0.14	0.031
1533888	Soil		1.3	30.1	15.8	81	0.3	25.5	14.8	682	3.14	12.8	1.8	3.1	5.7	21	0.1	1.1	0.1	58	0.31	0.079
1533889	Soil		0.4	19.5	28.5	107	<0.1	12.1	6.3	403	2.77	6.7	3.2	2.3	16.4	14	0.1	0.6	0.2	33	0.21	0.082
1475448	Soil		1.6	61.4	20.1	79	0.1	33.2	16.3	918	3.82	9.7	1.5	1.8	8.4	24	0.2	1.0	0.3	60	0.14	0.064
1475439	Soil		1.4	27.1	14.5	62	0.2	19.3	8.1	347	2.69	13.3	1.1	3.4	2.0	17	0.1	1.0	0.2	56	0.20	0.059
1475438	Soil		1.4	22.6	14.3	55	0.2	18.4	7.4	336	2.56	16.2	0.9	2.9	1.7	14	0.1	1.1	0.2	53	0.17	0.053



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Report Date: September 06, 2017

Page: 4 of 5

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000652.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	TI	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
1475231	Soil	23	34	0.47	269	0.073	2	1.51	0.010	0.12	0.2	0.03	3.6	0.2	<0.05	6	<0.5	<0.2
1475390	Soil	19	34	0.55	232	0.079	<1	1.70	0.008	0.15	0.2	0.02	4.2	0.2	<0.05	5	<0.5	<0.2
1475395	Soil	33	58	0.85	328	0.174	<1	2.05	0.009	0.75	<0.1	0.02	4.8	0.6	0.06	6	<0.5	<0.2
1475235	Soil	23	44	0.77	217	0.154	2	2.10	0.009	0.41	0.2	0.02	4.3	0.4	<0.05	8	<0.5	<0.2
1475440	Soil	35	60	1.07	323	0.152	1	2.26	0.008	0.65	0.2	0.02	5.1	0.4	<0.05	7	<0.5	<0.2
1533887	Soil	19	39	0.66	220	0.085	2	2.05	0.009	0.14	0.2	0.03	4.2	0.2	<0.05	6	<0.5	<0.2
1475447	Soil	58	31	0.40	116	0.061	1	1.72	0.005	0.39	<0.1	0.04	6.7	0.7	0.11	5	1.0	<0.2
1475445	Soil	23	35	0.55	180	0.071	2	2.18	0.008	0.15	0.1	0.03	4.2	0.2	<0.05	7	<0.5	<0.2
1533891	Soil	109	27	0.78	262	0.118	<1	1.96	0.007	0.52	0.7	0.04	5.0	0.4	<0.05	7	<0.5	<0.2
1475443	Soil	37	33	0.55	196	0.071	<1	1.79	0.008	0.15	0.2	0.09	5.1	0.2	<0.05	5	<0.5	<0.2
1533885	Soil	20	66	0.73	200	0.105	2	2.12	0.009	0.17	0.2	0.04	4.4	0.2	<0.05	7	<0.5	<0.2
1475444	Soil	20	45	0.57	192	0.078	2	2.09	0.008	0.14	0.2	0.03	4.0	0.2	<0.05	7	<0.5	<0.2
1533881	Soil	21	28	0.51	168	0.055	2	1.44	0.007	0.09	0.2	0.03	3.8	0.1	<0.05	4	0.6	<0.2
1533878	Soil	21	68	0.66	165	0.076	2	1.87	0.007	0.16	0.2	0.03	3.7	0.2	<0.05	5	<0.5	<0.2
1533886	Soil	16	43	0.67	158	0.082	2	1.95	0.007	0.15	0.2	0.01	3.1	0.2	<0.05	6	0.6	<0.2
1475442	Soil	29	241	1.40	293	0.125	1	2.59	0.007	0.45	0.2	0.03	6.5	0.5	<0.05	8	0.7	<0.2
1533877	Soil	19	179	0.96	181	0.095	2	2.12	0.007	0.18	0.2	0.03	4.5	0.2	<0.05	5	0.6	<0.2
1533884	Soil	32	101	0.81	310	0.089	2	1.81	0.008	0.16	0.2	0.05	4.9	0.2	<0.05	5	<0.5	<0.2
1475434	Soil	42	29	0.51	191	0.070	2	1.60	0.006	0.17	0.5	0.04	2.7	0.2	<0.05	6	0.5	<0.2
1533882	Soil	33	73	0.82	296	0.085	<1	1.86	0.009	0.21	0.2	0.04	5.1	0.2	<0.05	6	0.7	<0.2
1475441	Soil	27	70	0.76	222	0.103	3	2.11	0.009	0.20	0.2	0.03	4.4	0.2	<0.05	6	0.6	<0.2
1475449	Soil	8	34	0.75	116	0.173	<1	1.52	0.005	0.40	0.1	0.02	5.1	0.3	<0.05	8	0.7	<0.2
1533890	Soil	110	108	1.24	411	0.175	2	2.32	0.007	0.96	0.9	<0.01	5.7	0.6	<0.05	9	0.5	<0.2
1475450	Soil	9	39	0.99	112	0.152	1	2.02	0.005	0.48	0.1	0.02	5.1	0.3	<0.05	7	0.8	<0.2
1533876	Soil	9	668	3.09	723	0.218	1	3.21	0.010	0.92	0.1	<0.01	4.6	0.4	<0.05	8	<0.5	<0.2
1533888	Soil	33	72	1.03	372	0.107	1	2.19	0.006	0.44	0.2	0.05	4.7	0.3	<0.05	6	0.5	<0.2
1533889	Soil	72	28	0.74	222	0.144	<1	1.76	0.005	0.71	0.8	0.02	4.0	0.5	<0.05	8	<0.5	<0.2
1475448	Soil	31	33	0.61	168	0.088	3	1.77	0.007	0.33	0.1	0.02	4.6	0.5	0.10	5	0.8	<0.2
1475439	Soil	19	37	0.60	192	0.073	2	1.68	0.007	0.18	0.2	0.04	3.5	0.2	<0.05	5	<0.5	<0.2
1475438	Soil	15	38	0.52	133	0.062	2	1.52	0.007	0.12	0.2	0.03	2.8	0.1	<0.05	4	0.6	<0.2



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Page: 5 of 5

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI17000652.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1475436	Soil	1.0	19.9	19.8	62	0.4	19.5	7.0	213	2.59	20.1	1.1	3.0	1.5	18	0.2	1.4	0.2	50	0.20	0.064
1475435	Soil	0.9	17.7	21.8	77	0.3	16.7	10.6	630	2.67	8.4	2.9	3.7	5.2	23	0.2	0.5	0.2	52	0.22	0.063
1533883	Soil	0.8	39.2	11.0	60	<0.1	29.9	11.6	409	2.80	10.2	1.4	3.4	6.7	14	<0.1	0.7	0.2	56	0.14	0.035
1533879	Soil	3.7	60.4	29.0	95	0.1	53.9	21.4	647	4.22	22.4	1.5	2.8	8.5	18	0.2	1.9	0.2	84	0.11	0.032
1475446	Soil	0.8	17.1	15.3	71	<0.1	18.3	11.4	599	3.42	5.9	1.3	1.1	11.1	18	<0.1	0.4	0.1	55	0.35	0.082
1475437	Soil	1.2	27.0	22.1	85	0.2	20.6	10.5	427	2.83	16.3	1.2	2.9	6.2	19	0.2	1.6	0.2	52	0.23	0.066
1533880	Soil	1.7	30.3	13.8	59	0.1	23.0	9.4	317	2.86	16.2	1.9	2.2	5.3	14	<0.1	1.2	0.2	57	0.13	0.043



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Page: 5 of 5

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI17000652.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1475436	Soil	19	38	0.54	220	0.049	1	1.79	0.007	0.11	0.2	0.12	3.5	0.2	<0.05	5	0.7	<0.2
1475435	Soil	64	31	0.56	238	0.076	<1	1.79	0.007	0.21	0.5	0.05	3.5	0.3	<0.05	7	0.5	<0.2
1533883	Soil	21	52	0.62	259	0.063	2	2.03	0.008	0.07	0.2	0.03	4.2	0.1	<0.05	5	0.7	<0.2
1533879	Soil	23	205	1.20	204	0.130	2	2.71	0.006	0.29	0.2	0.04	5.9	0.4	0.08	7	0.7	<0.2
1475446	Soil	47	38	0.91	350	0.136	3	2.03	0.007	0.48	0.1	0.02	7.6	0.4	<0.05	6	0.6	<0.2
1475437	Soil	25	43	0.71	208	0.099	<1	1.71	0.007	0.25	0.4	0.03	4.1	0.3	<0.05	5	<0.5	<0.2
1533880	Soil	18	35	0.50	175	0.065	2	1.97	0.007	0.09	0.2	0.05	4.3	0.2	<0.05	5	0.6	<0.2



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Project: ERK
Report Date: September 06, 2017

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

WHI17000652.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1475656	Soil	1.9	31.4	53.2	84	0.3	23.2	9.1	282	3.00	25.8	1.3	6.9	4.9	18	0.3	1.4	0.3	78	0.15	0.033
REP 1475656	QC	1.9	32.8	55.5	87	0.3	23.8	9.2	285	3.04	27.5	1.4	3.9	5.2	19	0.3	1.4	0.3	79	0.15	0.036
1475233	Soil	1.4	18.5	12.7	67	0.2	19.2	8.7	334	2.51	12.6	1.0	2.2	4.8	13	0.2	0.4	0.4	57	0.17	0.056
REP 1475233	QC	1.2	18.8	12.3	68	0.2	19.1	8.6	334	2.53	11.9	1.0	4.2	4.8	14	0.2	0.4	0.4	58	0.17	0.056
1475434	Soil	1.0	13.2	14.8	61	0.1	13.6	8.1	506	2.50	8.0	2.3	3.6	4.2	16	0.2	0.5	0.2	49	0.20	0.061
REP 1475434	QC	0.9	13.8	14.4	59	0.1	14.2	8.8	512	2.51	8.0	2.1	2.6	4.0	16	0.1	0.4	0.2	48	0.20	0.064
Reference Materials																					
STD DS11	Standard	14.0	146.5	134.0	334	1.6	76.0	13.3	975	3.01	42.2	2.6	83.0	7.6	67	2.3	8.9	11.6	50	1.02	0.069
STD DS11	Standard	13.7	150.5	139.0	336	1.6	78.6	13.8	1048	3.06	43.4	2.7	67.3	7.7	66	2.3	8.7	11.8	51	1.06	0.072
STD DS11	Standard	12.8	160.3	136.8	364	1.7	85.4	14.4	1033	3.06	40.6	2.4	82.2	7.9	73	2.6	8.9	12.8	51	1.06	0.066
STD OXC129	Standard	1.3	27.0	6.5	42	<0.1	75.9	19.6	414	3.00	0.9	0.7	191.2	1.9	202	<0.1	<0.1	<0.1	54	0.76	0.106
STD OXC129	Standard	1.2	27.2	6.3	41	<0.1	77.2	20.3	403	2.99	<0.5	0.7	190.3	1.8	188	<0.1	<0.1	<0.1	53	0.71	0.104
STD OXC129	Standard	1.0	27.0	6.0	38	<0.1	83.7	21.0	392	2.94	0.6	0.6	182.8	1.7	170	<0.1	<0.1	<0.1	52	0.66	0.095
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	0.72	195	1.9					51	0.665	0.102
STD DS11 Expected		14.6	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
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



QUALITY CONTROL REPORT

WHI17000652.1

Method	Analyte	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1475656	Soil	14	39	0.56	283	0.073	2	2.25	0.007	0.10	0.2	0.08	5.3	0.2	<0.05	6	0.9	<0.2
REP 1475656	QC	15	39	0.57	291	0.076	2	2.28	0.007	0.10	0.2	0.08	5.5	0.2	<0.05	6	0.9	<0.2
1475233	Soil	18	35	0.55	211	0.090	3	1.58	0.008	0.14	0.4	0.02	3.5	0.2	<0.05	6	<0.5	<0.2
REP 1475233	QC	19	35	0.55	208	0.090	2	1.54	0.008	0.14	0.3	0.03	3.5	0.2	<0.05	6	<0.5	<0.2
1475434	Soil	42	29	0.51	191	0.070	2	1.60	0.006	0.17	0.5	0.04	2.7	0.2	<0.05	6	0.5	<0.2
REP 1475434	QC	42	29	0.51	181	0.069	1	1.61	0.006	0.17	0.5	0.03	2.7	0.2	<0.05	6	0.6	<0.2
Reference Materials																		
STD DS11	Standard	19	60	0.82	359	0.096	8	1.17	0.073	0.39	2.9	0.24	3.4	4.8	0.27	5	2.1	4.6
STD DS11	Standard	19	61	0.83	365	0.096	6	1.17	0.075	0.40	3.0	0.23	3.6	4.8	0.28	5	2.0	4.9
STD DS11	Standard	19	58	0.84	347	0.087	8	1.13	0.069	0.40	3.2	0.25	3.2	4.8	0.29	5	2.3	4.4
STD OXC129	Standard	13	53	1.52	51	0.397	1	1.64	0.590	0.37	<0.1	<0.01	1.5	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	50	1.50	50	0.397	1	1.55	0.582	0.36	<0.1	<0.01	1.2	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	55	1.49	45	0.355	2	1.54	0.571	0.36	<0.1	<0.01	0.7	<0.1	<0.05	5	<0.5	<0.2
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.3	3.4	4.9	0.2835	5.1	1.9	4.56
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

Appendix IV

INVOICES



Box 70, Dawson, YT Y0B 1G0

Phone (867) 993-5612

Fax: (867) 993-5617

Invoice

Date	Invoice #
3/10/2017	GT-ERK2017-01

Invoice To:

Pacific Ridge Exploration
 Suite 1100 - 1111 Melville St., Vancouver, BC V6E 3V6
 Gerry Carlson, President & CEO
 (604)687-4951 / gcarlson@pacificridgeexploration.com

Description	Amount
Eureka Project Soil Sampling Program: July 27-Aug 4/17	
1362 Soils Collected with crew camped on grid - Charged at \$49.50/sample all inclusive (Collection + Assay) as quoted	\$67,419.00
Mobilization/Demobiliation support as quoted	\$1,500.00
(see attached breakdown for expense by SR project)	

GST # 881084268

Subtotal	\$68,919.00
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GST 5%	\$3,445.95
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Make all cheques payable to:
Ground Truth Exploration Inc.

Thank you for your business!

Total Due	\$72,364.95
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03-Oct-2017	ERK2017-02
Net 30	02-Nov-2017

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p	p		p	p
	p	p		p
p	p	p	p	q

Subtotal	
Total	
Payments/ Credits	
Balance Due	

1	

p p p p

p p p

p p p p q
