ASSESSMENT REPORT

2011 GEOCHEMICAL PROGRAM

on the

'For' Property

Mayo and Dawson Mining Districts, Yukon Territory

for

Goldspike Exploration Inc.

Claims filed for:

Group 1 - Dawson Mining District

Mining District	Claim Name	Grant Number	Map Sheet
Dawson	TS1 - TS2	YD132301 - YD132302	115P11
Dawson	TS19 - TS20	YD132319 - YD132320	115P11
Dawson	TS37 - TS40	YD132337 - YD132340	115P11

Group 2 - Mayo Mining District

Mining District	Claim Name	Grant Number	Map Sheet
Mayo	TS3 - TS1	YD132303 - YD132318	115P11
Mayo	TS21 - TS36	YD132321 - YD132336	115P11
Mayo	TS41 - TS50	YD132341 - YD132350	115P11

UTM Coordinates: E390000, N7064000 (NAD83, Zone8)
Owner: Goldspike Exploration Inc.
Author: D. Ferraro, HBSc.
Dates worked performed: August 4th, 2011 and August 7th, 2011

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1.0 SUMMARY

A 2 day geochemical sampling program was conducted on the For Property between August 4th, 2011 and August 7th, 2011. The property is owned 100% by Goldspike Exploration Inc. and consists of 50 contiguous quartz claims located in the Dawson and Mayo Mining Districts.

The For Property is situated in the Clear Creek/McQuesten River area, approximately 120 km ESE of Dawson City. Although the property is not road accessible, the area can be reached by truck via Clear Creek road which begins at the Klondike Highway approximately 100 km west of Dawson.

Geologically, the property is located in the Tintina gold belt. The region is underlain by Hyland Group metasedimentary rocks which have been intruded by a wide range of mid-Cretaceous aged dykes, sills and stocks known as the Tombstone Plutonic Suite. Gold mineralization in the area is generally related to these intrusions. The area is also host to late-Cretaceous granitic intrusions including the Two Sisters Batholith and the Vancouver Creek Stock. The property is underlain by chlorite and mica schists, quartzite, and slate with minor quartz veining and pyrite mineralization.

A total of 256 soil samples, 3 silt samples, and 14 rock samples were taken over the course of the program. Soil sampling yielded a handful of gold and arsenic anomalies on the southwest peak and in the drainage area to the east. Only one rock sample (float) yielded a significant result (191 ppm As).

The geological setting of the property is favourable to intrusive-related gold mineralization. Although results are fairly limited, it is recommended that further prospecting be done on the southwest peak of the property to determine the source of the soil sample anomalies.

2.0 INTRODUCTION

This assessment report has been prepared at the request of Mr. Bruce Durham, president of Goldspike Exploration Inc. of Toronto, Ontario. The report describes the 2011 geochemical and prospecting program on the For Property. Field work was performed by Druid Exploration Inc. of Dawson City, Yukon. The report text and maps were written by D. Ferraro, of Ferraro Consulting Ltd. of Woodstock, ON.

3.0 PROPERTY LOCATION AND ACCESS

The For Property is situated in the Clear Creek/McQuesten River area, approximately 120 km ESE of Dawson City (Figure 1). Although the property is not directly accessible by road, the area can be reached by truck via Clear Creek Road which begins at the Klondike Highway approximately 100 km west of Dawson. There is access via old placer roads at the headwaters of Vancouver Creek. For the purposes of this soil sampling program, a helicopter was used based from a field camp.

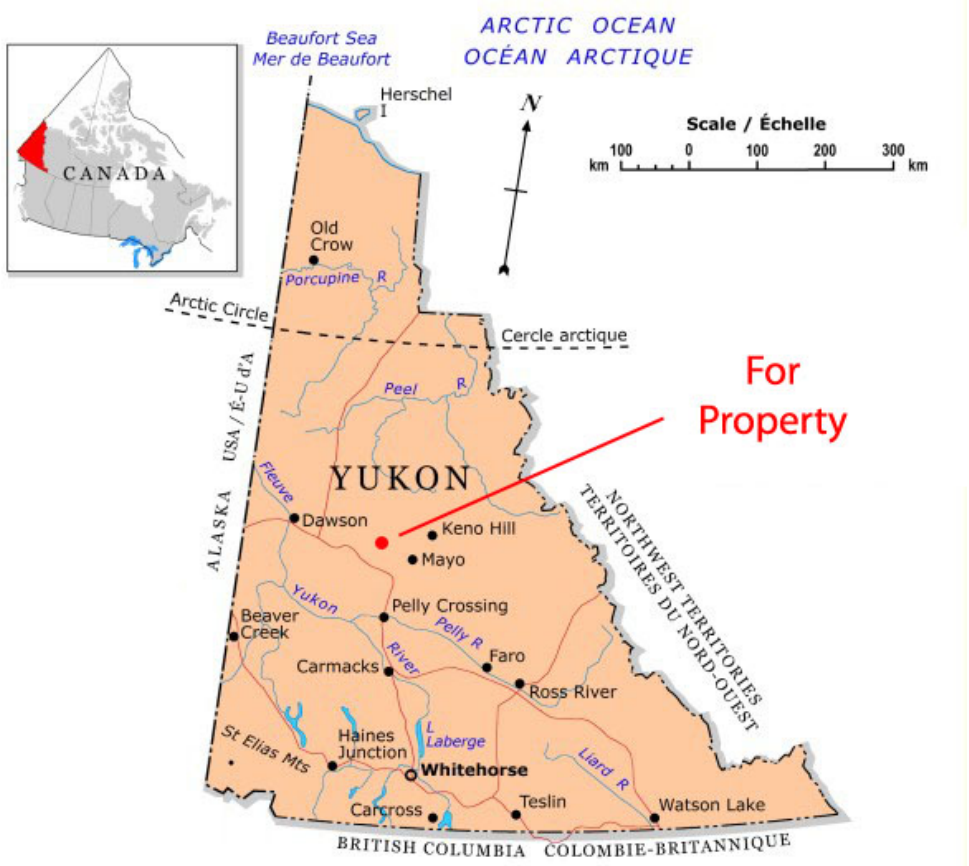

Figure 1: General location of the For Property (modified from NRCAN, 2006).

4.0 TOPOGRAPHY, VEGETATION, AND CLIMATE

The For Property is situated in a fairly high topographic relief area of the Clear Creek - McQuesten River region. Numerous small creeks drain the property, which are tributaries of Thoroughfare Creek, which then joins Vancouver Creek and feeds the McQuesten River to the south. Elevations range from 4400 ft at the peak on the west side to 2400 ft on the east side.

Vegetation consists of evergreen and deciduous forest which dominates the slopes. The mountain tops are generally bare due to high elevations with buck brush covering. The treeline ranges from 4100 ft to 4300 ft. Outcrop exposure is good on the mountain tops, but limited at lower elevations (5%).

The Yukon has a subarctic continental climate with a mean summer temperature of 10 degrees celcius and a mean winter temperature of -23 degrees celcius. Temperature extremes of 35 degrees and -55 degrees celcius are common in the summer and winter, respectively.

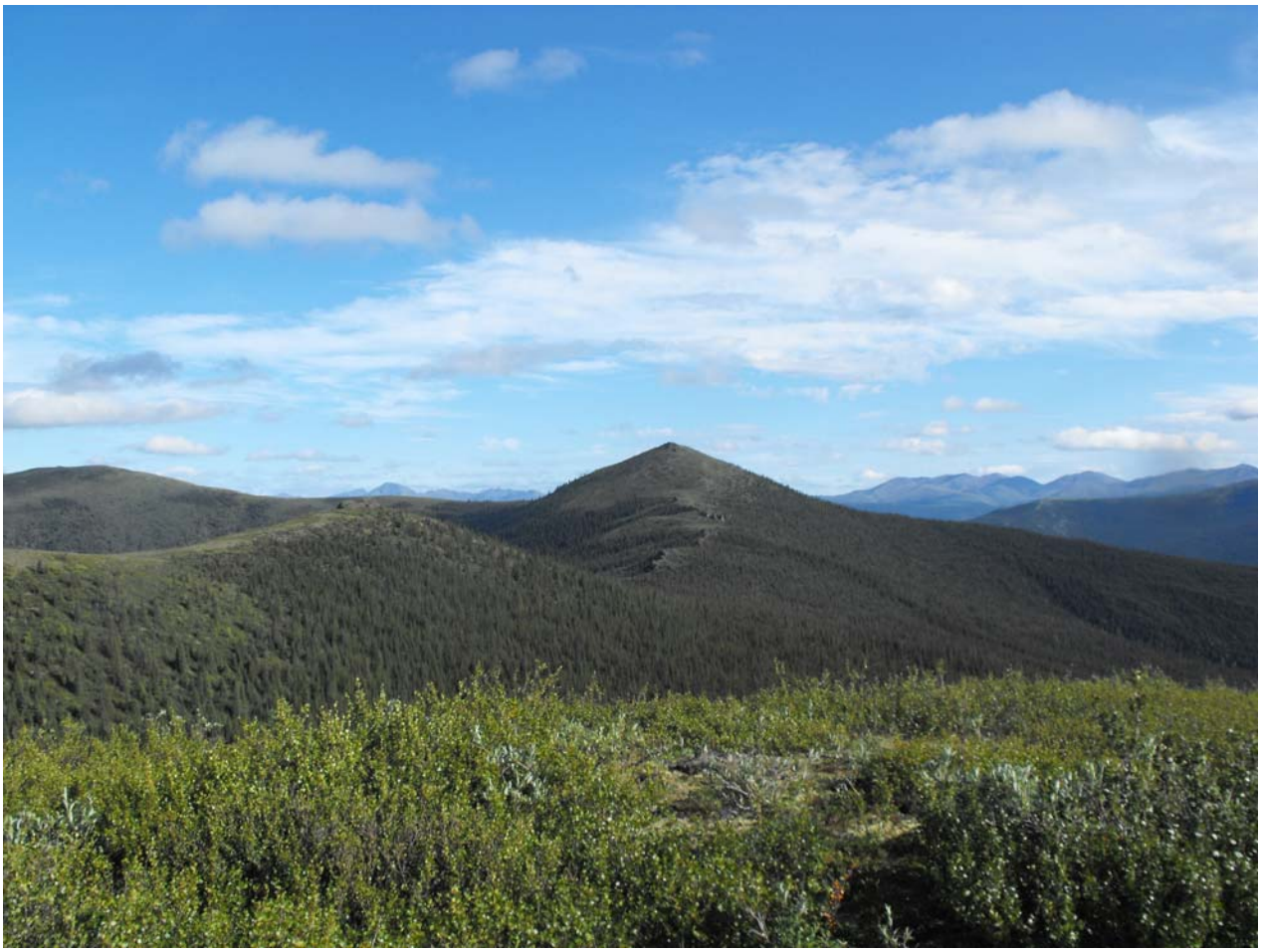

Photo 1: General physiography of the For Property. Photo is facing south along the west end of the property.

5.0 PROPERTY DESCRIPTION

The For Property consists of 50 contiguous quartz claims located on NTS mapsheet 115P11 (Figure 2). Eight claims fall in the Dawson Mining District 42 claims in the Mayo Mining District. The claims are 100% owned by Goldspike Exploration Inc. of Toronto, Ontario. The property is adjacent to Goldspike's much larger Lugdush Property.

A complete list of the mining claims that make up the For Property is as follows:

Table 1: Claims comprising the For Property.

Claim Name	Claim No.	Grant Number	District	Claim Owner	Status	Claim Expiry Date
TS	1	YD132301	Dawson	Goldspike Exploration Inc. (100%)	Active	01/03/2016
TS	2	YD132302	Dawson	Goldspike Exploration Inc. (100%)	Active	01/03/2016
TS	19	YD132319	Dawson	Goldspike Exploration Inc. (100%)	Active	01/03/2016
TS	20	YD132320	Dawson	Goldspike Exploration Inc. (100%)	Active	01/03/2016
TS	37	YD132337	Dawson	Goldspike Exploration Inc. (100%)	Active	01/03/2016
TS	38	YD132338	Dawson	Goldspike Exploration Inc. (100%)	Active	01/03/2016
TS	39	YD132339	Dawson	Goldspike Exploration Inc. (100%)	Active	01/03/2016
TS	40	YD132340	Dawson	Goldspike Exploration Inc. (100%)	Active	01/03/2016
TS	3	YD132303	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	4	YD132304	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	5	YD132305	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	6	YD132306	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	7	YD132307	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	8	YD132308	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	9	YD132309	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	10	YD132310	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	11	YD132311	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	12	YD132312	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	13	YD132313	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	14	YD132314	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	15	YD132315	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	16	YD132316	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	17	YD132317	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	18	YD132318	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	21	YD132321	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	22	YD132322	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	23	YD132323	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	24	YD132324	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	25	YD132325	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016

TS	26	YD132326	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	27	YD132327	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	28	YD132328	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	29	YD132329	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	30	YD132330	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	31	YD132331	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	32	YD132332	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	33	YD132333	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	34	YD132334	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	35	YD132335	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	36	YD132336	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	41	YD132341	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	42	YD132342	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	43	YD132343	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	44	YD132344	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	45	YD132345	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	46	YD132346	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	47	YD132347	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	48	YD132348	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	49	YD132349	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016
TS	50	YD132350	Mayo	Goldspike Exploration Inc. (100%)	*Pending*	01/03/2016

For Property

Fig. 2: Claim Location Map

Goldspike Exploration Inc.

Clear Creek area,
Dawson and Mayo
Mining Districts

388000 390000 392000

7066000 7064000 7062000

Dawson Mining District

Mayo Mining District

TS1 YD132301
TS2 YD132302
TS3 YD132303
TS4 YD132304
TS5 YD132305
TS6 YD132306
TS7 YD132307
TS8 YD132308
TS9 YD132309
TS10 YD132310
TS11 YD132311
TS12 YD132312
TS13 YD132313
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TS31 YD132331
TS32 YD132332
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TS36 YD132336
TS37 YD132337
TS38 YD132338
TS39 YD132339
TS40 YD132340
TS41 YD132341
TS42 YD132342
TS43 YD132343
TS44 YD132344
TS45 YD132345
TS46 YD132346
TS47 YD132347
TS48 YD132348
TS49 YD132349
TS50 YD132350

Legend

- TS claims
- Mining district boundary
- Yukon quartz claims

N

1:10,000

0 187.5 375 750 1,125 1,500 Meters

Date: March, 2011
Mapsheet: 115P11
Datum: UTM NAD83 Zone 8

6.0 PROPERTY HISTORY

The Clear Creek area has had a long history of placer gold production and hard rock exploration. Placer gold mining in Clear Creek dates back to 1900 when the discovery claim was staked. The massive Clear Creek Dredge, located on Goldspike's Lugdush Property to the north was operated by the Yukon Consolidated Gold Corporation from 1941 to 1955 then refurbished and operated by Queenstake Resources from 1981 to 1987. Since 1941 approximately 129,000 crude ounces of gold have been recovered from Clear Creek (Hart and Marsh, 1999).

Although quartz claims in the area were recorded as early as 1902, there is no record of previous work on the For Property itself. The TS claims were staked to cover the inferred source of a 98th percentile (40 ppb) and a 90th percentile (8 ppb) gold silt anomaly (collected by the Geological Survey of Canada), as well as placer gold in Thoroughfare Creek. The presence of arsenic in the area is confirmed by a silt sample, taken in Partridge Creek 3.5 km downstream from the TS claims, that returned a 95th percentile (43 ppm) As anomaly.

7.0 GEOLOGY

7.1 Regional Geology

The For Property is located in the Tintina gold belt of the central Yukon. The regional geology was mapped by Murphy and Heon in 1993 as underlain by a large unit of Hyland Group rocks comprising quartzo-feldspathic psammite (metamorphosed sandstone), micaceous psammite and muscovite-chlorite phyllite (see Figure 3). Other lithologies include gritty or pebbly psammite, meta-pebble conglomerate, marble and calc-silicate rocks. Younger, unmetamorphosed stratigraphy outcrop to the north and include a Lower Paleozoic carbonate unit (Rabbitkettle Formation), Road River Group shale and siltstone and Earn Group fine chert pebble conglomerate, shale and sandstone (Murphy and Heon, 1994).

The entire package of sedimentary and metasedimentary rocks have been intruded by a wide range of Cretaceous (92 Ma) aged dykes, sills and stocks known as the Tombstone Plutonic Suite (Stephens et al., 2000). Composition of these intrusive rocks varies from quartz syenite and syenite at the large Syenite Range Stock to granitic and quartz monzonite bodies which include the Josephine, Eiger, Rhosgobel and Pukelman stocks. In a study of the Bear Paw Breccia Zone, Stephens and Weekes (2001) found that significant intrusive-related gold mineralization can be found outwards of 1.5 km away from Tombstone Plutonic Suite stocks.

Stephens and Weekes (2001) defined four main styles of gold mineralization recognized in the Clear Creek area:

1. East- to east-southeast-striking, sheeted, auriferous quartz sulphide veins occurring mostly within larger Tombstone Plutonic Suite stocks (ex. Pukelman, Rhosgobel stocks);

2. Silicified fault zones in both south to southeast and east to east-southeast orientations (ex. Contact zone of the Pukelman Stock);
3. Intrusive breccias with stockwork, auriferous quartz-sulphide veins (ex. Bear Paw breccia, Saddle Stock);
4. Calc-silicate rocks with replacement/skarn-style mineralization (ex. Bear Paw breccia).

7.2 Property Geology

The For Property is dominated by Upper Proterozoic to Lower Cambrian Hyland Group metasedimentary rocks including phyllite, sandstone, schist, conglomerate, grit, and limestone. There are a number of small, <1 km in diameter units of mid-Cretaceous instrusives, likely part of the Tombstone Plutonic Suite stocks to the north. These small outcrops may be representative of a larger intrusive unit at depth. There are also late-Cretaceous intrusive units in the area. The largest is the Two Sisters Batholith, a granite-quartz monzonite intrusion located 800m northwest of the property. The Vancouver Creek Stock is approximately 10km to the northeast and has been explored for tin, tungsten, and gold potential.

Field work during the 2011 work program involved prospecting on the limited outcrop on the property. Observations revealed the metasediments on the property as mica-chlorite schists and slate with abundant quartz veining, oxidization, and ductile deformation. Quartz veining was observed as mostly 1-3 inch veins, but larger quartz boulders were found, indicating the existence of larger veins on the property. Metasediments are commonly well oxidized and rusty; however pyrite and other sulphide mineralization is quite rare and limited to a few outcrops. Deformation was observed as isoclinal folding at the meter scale as well as smaller crenulations in the rock. Structural measurements indicate a northeast strike with very shallow dips to the southwest, possibly due to uplift from the Two Sisters Batholith.

For Property

Fig. 3: Bedrock Geology

Goldspike Exploration Inc.

Clear Creek area,
Dawson and Mayo
Mining Districts

Legend

For Property

Lugdush Property

Bedrock Geology

Lithology

phyllite/shale/sandstone/grit/conglom.

silt/sand/gravel

granite/quartz monzonite

granite/quartz monzonite/granodiorite

Fault

1:50,000

0 950 1,900 3,800 5,700 7,600

Meters

Date: March, 2011
Mapsheets: 115P14, 15, 10, 11
Datum: UTM NAD83 Zone 8

8.0 2011 WORK PROGRAM

8.1 Sampling Method and Approach

A 2 day geochemical sampling program was conducted on the For Property between August 4th, 2011 and August 7th, 2011. Working out of a camp, a crew of 6 soil samplers, 2 prospectors and one geologist collected 256 soil samples, 3 silt samples, and 14 rock samples (see Figure 4 for sample locations). A Hughs 500D helicopter was used for the duration of the program.

A ridge and spur soil sampling program was planned before field work was conducted. Using ArcGIS, soil sample traverses were plotted at 50m spacings and downloaded onto samplers' GPS units. Once in the field, samplers used Dutch augurs to collect an adequate soil sample from the 'C' horizon, placing it in a Kraft paper bag, marking the location with GPS, and marking the location with flagging tape labeled with the sample number. Sample conditions, environment and attributes were recorded in a field notebook. The GPS units were downloaded daily for plotting in ArcGIS. Soil samples were hung up to dry, then packed and shipped to the lab. Soil sample descriptions can be found in Appendix I.

Silt samples were taken in major creeks and tributaries. A low energy zone of the stream was located and a collapsible shovel, pan, or hand was used to collect a sample. Sample locations were marked with a GPS unit and flagged with the sample number. Sample conditions, environment and attributes were recorded in a field notebook. Silt sample descriptions can be found in Appendix II.

Rock samples were taken based on mineralogy, structure and lithology. Samples were placed inside labeled plastic poly bags with the corresponding sample tag. Sample descriptions were recorded in a field notebook and the location recorded by GPS unit. Sample locations were marked with flagging tape labeled with the sample number. Rock sample descriptions can be found in Appendix III.

8.2 Sample Preparation, Analysis, and QA/QC

The soil and silt samples were dried at 60° C and sieved to -80 mesh (<177 microns). A 15.0 gram sub-sample was digested in hot (95° C) aqua regia (HCl-HNO3-H2O); following this, the samples were analysed by inductively-coupled plasma mass spectrometry (ICP-MS) techniques (Acme's Group 1DX2). Multi-elemental analysis of 36 elements was made.

The rock samples were crushed, split to 250 g, pulverized, and a split was sieved to -200 mesh. The same analytical procedure (Acme's Group 1DX2) was used.

Quality control samples from the lab include control blanks, duplicates and standards. Sample blanks (BLK), pulp duplicates and standards (STD DS8) were run with the batch analysis; no problems were noted with analytical accuracy or precision.

8.3 Results

The 256 soil samples collected on the property yielded a handful of notable gold and arsenic anomalies (Figures 5 and 6). Samples on the southwestern peak assayed 62 and 25 ppb Au but were not arsenic anomalous. However, a rock sample taken in this area assayed 191 ppm As. At similar elevation but 900m to the north, a soil sampled assayed 223 ppm As.

The east end of the property is a considerably lower elevation. One soil sample in this area assayed 53.5 ppb Au, 39.5 ppm As. This was taken approximately 350m south of the GSC-collected 40 ppb Au silt sample. This area is also host to numerous arsenic anomalies, the highest being 206 ppm As.

Of the 14 rock samples taken from the property, no sample yielded a significant gold assay, however sample 1221844 (quartz boulder float) assayed 191 ppm As and 411 ppm Pb. Prospecting did, however, uncover numerous quartz veins with trace sulphides and heavy oxidation (Photo 2). Soil, silt, and rock sample results can be found in appendices IV, V, and VI.

Photo 2: Sample 1222156 displays typical appearance of the metasediment hosted quartz veining on the Property.

For Property

Fig. 4: Sample Location Map

Goldspike Exploration Inc.

Clear Creek area,
Dawson and Mayo
Mining Districts

Dawson Mining District

Mayo Mining District

388000 389000 390000 391000 392000 393000

7066000 7065000 7064000 7063000 7062000

Legend

- Soil samples
- Silt samples
- Rock samples
- For Property
- Mining district boundary

N

1:10,000

0 187.5 375 750 1,125 1,500

Meters

Date: March, 2011
Mapsheet: 115P11
Datum: UTM NAD83 Zone 8

For Property

Fig. 5: Sample Geochemistry - Gold

Goldspike Exploration Inc.

Clear Creek area, Dawson and Mayo Mining Districts

388000 389000 390000 391000 392000 393000

7066000 7065000 7064000 7063000 7062000

Dawson Mining District

Mayo Mining District

0.9 0.6 2.4 0.5 0.7

0.6 0.7 5.4 11.1 14.1

0.5 40 8.5 1 2.1 0.5 1.1 1.2 0.8

Legend

- Rock samples (Au ppb)
- Silt samples (Au ppb)

Soil samples

Au (ppb)

- 0.5 - 10.0
- 10.1 - 20.0
- 20.1 - 40.0
- 40.1 - 62.2

Regional stream geochem

Au (ppb)

- 0.0 - 15.0
- 15.1 - 74.0
- 74.1 - 215.0
- 215.1 - 482.0
- 482.1 - 1170.0
- For Property
- Mining district boundary

1:10,000

0 187.5 375 750 1,125 1,500 Meters

Date: March, 2011
Mapsheet: 115P11
Datum: UTM NAD83 Zone 8

For Property

Fig. 6: Sample Geochemistry - Arsenic

Goldspike Exploration Inc.

Clear Creek area, Dawson and Mayo Mining Districts

388000 389000 390000 391000 392000 393000

7066000 7065000 7064000 7063000 7062000

Dawson Mining District

Mayo Mining District

3.9 17.3 15.9 10.1 8.3 17.6 10.3 19 9.5 8.5 4.2 9.5 2.9 0.8 191.2

Legend

- Rock samples (As ppm)
- Silt samples (As ppm)

Soil samples

As (ppm)

- 5.2 - 20.0
- 20.1 - 50.0
- 50.1 - 75.0
- 75.1 - 150.0
- 150.1 - 223.1
- For Property
- Mining district boundary

N

1:10,000

0 187.5 375 750 1,125 1,500 Meters

Date: March, 2011
Mapsheet: 115P11
Datum: UTM NAD83 Zone 8

9.0 CONCLUSIONS AND RECOMMENDATIONS

The For Property is located in a geological setting favourable to intrusion-related gold deposits. The local geology, various smaller Tombstone-age intrusive units, regional placer history, and the GSC-collected silt anomaly on the property make it a desirable exploration target.

Soil sampling on the property revealed a handful of gold and arsenic anomalies. The southwest corner of the property and east end drainage area both display prospective results. It is possible that the results in the lower elevations to the east are indicative of an uphill bedrock source. Although results are limited, it does not appear that gold and arsenic are correlated on the property.

More prospecting on the southwestern peak is recommended as outcrop is fairly abundant in this area and the source of sample 1221844 should be located. The bedrock in this area may be the source of the local soil sample gold anomalies as well as the silt and soil results downhill to the east.

REFERENCES

Allen, T.L., Hart, C.J.R. and Marsh, E.E. (1999): Placer gold and associated heavy minerals of the Clear Creek drainage, central Yukon: Past to present. *In:* Yukon Exploration and Geology 1998, C.F. Roots and D.S. Emonds (eds.), Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 197-214.

Murphy, D. and Heon, D. (1994): Geology and Mineral Occurrences of Sprague Creek Map Area (115P/15), Western Selwyn Basin. In: Yukon Exploration and Geology 1993. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 29-46.

Murphy, D. (1996): Geology of the McQuesten River Region, Northern McQuesten and Mayo Map Areas, Yukon Territory (115P/14, 15, 16; 105M/13, 14. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 6, 122 p.

Natural Resources Canada, Atlas, (12/05/2006): http://atlas.nrcan.gc.ca/auth/english/maps/reference/provincesterritories/yukon_territory/referencemap_image_view (visited 01/02/2012)

Stephens, J.R., Oliver, N.H.S., Baker, T. and Hart, C.J.R., (2000): Structural evolution and controls on gold mineralization at Clear Creek, Yukon. *In:* Yukon Exploration and Geology 1999, D.S. Emond and L.H. Weston (eds.), Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 151-163.

Stephens, J.R. and Weekes, S., (2001): Intrusive-breccia-hosted gold mineralization associated with ca. 92 Ma Tombstone Plutonic Suite magmatism: An example from the Bear Paw breccia zone, Clear Creek, Tintina gold belt, Yukon. *In:* Yukon Exploration and Geology 2000, D.S. Emond and L.H. Weston (eds.), Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 347-353.

STATEMENT OF EXPENDITURES

EXPLORATION COSTS ASSOCIATED WITH THE For PROPERTY BETWEEN Aug 4th and Aug 7th 2011	GROUP 1 - Dawson Mining District (8 claims)		
ITEM	**COST/ UNIT**	**UNIT AMOUNT**	**TOTAL**
Hughes 500D Helicopter + Fuel /Hr	$ 1,182.00	0.53	$ 626.46
ROCK ASSAY	$ 28.88	6	$ 173.28
SOIL ASSAY	$ 18.00	70	$ 1,260.00
SILT ASSAY	$ 18.00		$ -
Project Geologist / Day	$ 500.00	1	$ 500.00
6 x Soil Samplers = 300 x 6 /day	$ 1,800.00	1	$ 1,800.00
Cook	$ 400.00		$ -
2 x Prospector 1 x 350 / day	$ 350.00		$ -
Camp Rental / day	$ 1,000.00		$ -
Food $35/meal avg.	$ 1,050.00	1	$ 1,050.00
Truck Rental = $140 x 2	$ 280.00	1	$ 280.00
Fuel - Automobile, ATV, Generator and Heating + Propane	$ 300.00	1	$ 300.00
Report preparation	$ -		$ -
Mobile office equipment rental from Druid Exploration - (Laptop, Printer, Software + Surge protector)	$ 65.00		$ -
		TOTAL	**$ 5,989.74**

EXPLORATION COSTS ASSOCIATED WITH THE For PROPERTY BETWEEN Aug 4th and Aug 7th 2011	GROUP 2 - Mayo Mining District (42 claims)		
ITEM	**COST/ UNIT**	**UNIT AMOUNT**	**TOTAL**
Hughes 500D Helicopter + Fuel /Hr	$ 1,182.00	2.77	$ 3,274.14
ROCK ASSAY	$ 28.88	8	$ 231.04
SOIL ASSAY	$ 18.00	186	$ 3,348.00
SILT ASSAY	$ 18.00	3	$ 54.00
Project Geologist / Day	$ 500.00	3	$ 1,500.00
6 x Soil Samplers = 300 x 6 /day	$ 1,800.00	3	$ 5,400.00
Cook	$ 400.00	4	$ 1,600.00
2 x Prospector 1 x 350 / day	$ 350.00	4	$ 1,400.00
Camp Rental / day	$ 1,000.00	4	$ 4,000.00
Food $35/meal avg.	$ 1,050.00	3	$ 3,150.00
Truck Rental = $140 x 2	$ 280.00	3	$ 840.00
Fuel - Automobile, ATV, Generator and Heating + Propane	$ 300.00	3	$ 900.00
Report preparation	$ 1,500.00	1	$ 1,500.00
Mobile office equipment rental from Druid Exploration - (Laptop, Printer, Software + Surge protector)	$ 65.00	4	$ 260.00
		TOTAL	**$ 27,457.18**

CERTIFICATE OF QUALIFICATIONS

I, Daniel Ferraro, of 835 Berkshire Dr., Woodstock, Ontario, Canada, certify that:

1. I am a graduate of Lakehead University, 2008, and a hold an H. B.Sc. Geology degree.

2. I am an independent geological consultant.

3. I am a member of the Ontario Prospectors Association (2010).

4. I have been employed as a geological assistant for the Ontario Geological Survey and the Geological Survey of Canada during the summers of, respectively, 2006 and 2007.

5. I have been working in the mineral exploration industry since 2008 for Pacific North West Capital Corporation, East West Resources Corporation, Rainy Mountain Royalty Corporation, Black Panther Mining Corporation, White Tiger Mining Corporation, Trillium North Minerals Ltd., and Goldspike Exploration Inc.

6. This report was prepared by myself.

7. I have no personal knowledge from the date of this certificate of any material fact or change not reflected in this report.

Daniel Ferraro, H.B.Sc.

Date: May 1ST, 2012

Appendix I: Soil Sample Descriptions

Soil Sample Descriptions

UTM NAD83 Zone 8

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1205451	392388	7064646	786	4-Aug-11	40	c	Light Brown	5	20				75	Talus	Moist	Evergreen	Valley Bottom
1205452	392391	7064690	763	4-Aug-11	30	b/c	Light Brown		40				60	Talus	Wet	Evergreen	Mid Slope
1205453	392386	7064719	749	4-Aug-11	35	c	Light Brown		40				60	Talus	Moist	Evergreen	Mid Slope
1222393	388674	7064365	1297	4-Aug-11	30	c	Dark Brown	10					90	Talus	Moist	alpine	Ridge Top
1222394	388723	7064360	1304	4-Aug-11	30	c	Dark Brown	5					95	Talus	Moist	alpine	Ridge Top
1222395	388814	7064346	1325	4-Aug-11	30	c	Light Brown	5	5				90	Talus	Moist	alpine	Ridge Top
1222396	388869	7064339	1320	4-Aug-11	30	c	Light Brown	5	5				90	Talus	Moist	alpine	Ridge Top
1222397	388925	7064338	1311	4-Aug-11	30	c	Dark Brown	5	10				85	Weathered Bedrock	Moist	alpine	Ridge Top
1222398	388968	7064321	1308	4-Aug-11	30	c	Light Brown	5	5				90	Weathered Bedrock	Moist	alpine	Ridge Top
1222399	389015	7064316	1299	4-Aug-11	30	c	Dark Brown	10	10				80	Weathered Bedrock	Moist	alpine	Ridge Top
1222400	389069	7064323	1283	4-Aug-11	30	c	Light Brown	5	5				90	Talus	Moist	Buck Brush	Ridge Top
1222401	389123	7064311	1265	4-Aug-11	30	c	Light Brown	5	10				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222402	389174	7064310	1246	4-Aug-11	30	c	Dark Brown	20			40		40	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222403	389224	7064296	1227	4-Aug-11	30	c	Dark Brown		5		30		65	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222404	389272	7064297	1211	4-Aug-11	30	c	Dark Brown	5	10		10		75	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222405	389320	7064288	1194	4-Aug-11	30	c	Dark Brown	10	10				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222406	389371	7064283	1179	4-Aug-11	30	c	Light Brown		10				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222407	389413	7064266	1167	4-Aug-11	30	c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222408	389461	7064273	1152	4-Aug-11	30	c	Light Brown	20	10				70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222409	389525	7064267	1135	4-Aug-11	30	c	Dark Brown	20	10				70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222410	389561	7064252	1130	4-Aug-11	30	c	Dark Brown	30					70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222411	389613	7064247	1117	4-Aug-11	30	c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222412	389666	7064242	1108	4-Aug-11	40	c	light grey	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222413	389717	7064236	1097	4-Aug-11	30	c	Light Brown	5	10				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222414	389765	7064229	1087	4-Aug-11	40	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222415	389816	7064238	1075	4-Aug-11	40	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222416	389866	7064250	1063	4-Aug-11	30	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222417	389909	7064265	1051	4-Aug-11	30	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222418	389953	7064279	1037	4-Aug-11	30	c	Dark Brown	20					80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222419	389998	7064295	1024	4-Aug-11	30	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222420	390050	7064311	1008	4-Aug-11	40	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222421	390104	7064319	985	4-Aug-11	30	c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222422	390152	7064325	962	4-Aug-11	30	c	Light Brown	60	20				20	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222951	389653	7062807	1319	4-Aug-11	25	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222952	389850	7062793	1303	4-Aug-11	30	b/c	Light Brown				40		60	Talus	Moist	Evergreen	Mid Slope
1222953	389906	7062790	1294	4-Aug-11	40	b/c	Light Brown	10	20				70	Talus	Moist	Evergreen	Mid Slope
1222954	389953	7062787	1287	4-Aug-11	30	b/c	Light Brown	5	25				70	Talus	Moist	Evergreen	Mid Slope
1222955	390001	7062783	1277	4-Aug-11	40	b/c	Light Brown	20	20				60	Talus	Moist	Evergreen	Mid Slope
1222956	390051	7062781	1271	4-Aug-11	30	b/c	light grey	10					90	Talus	Moist	Evergreen	Mid Slope
1222957	390101	7062771	1265	4-Aug-11	35	c	Light Brown		25		25		50	Talus	Moist	Evergreen	Mid Slope
1222958	390148	7062762	1255	4-Aug-11	35	c	Light Brown		25		25		50	Talus	Moist	Evergreen	Mid Slope
1222959	390198	7062751	1246	4-Aug-11	35	b/c	Light Brown	10	5				85	Talus	Moist	Evergreen	Mid Slope
1222960	390248	7062740	1239	4-Aug-11	45	b/c	Light Brown	15	5				80	Talus	Moist	Evergreen	Mid Slope
1222961	390296	7062732	1231	4-Aug-11	40	b/c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222962	390346	7062736	1227	4-Aug-11	35	c	Light Brown		25		25		50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222963	390396	7062740	1223	4-Aug-11	25	b/c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1222964	390447	7062740	1218	4-Aug-11	40	b/c	Light Brown	5					95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222965	390497	7062743	1213	4-Aug-11	40	b/c	Light Brown	5	5				90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222966	390546	7062741	1214	4-Aug-11	45	b/c	Light Brown	10	20				70	Talus	Moist	Evergreen	Mid Slope
1222967	390599	7062737	1206	4-Aug-11	65	b/c	Light Brown	10	20				70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222968	390644	7062734	1204	4-Aug-11	55	b/c	Light Brown	5	5				90	Talus	Moist	Evergreen	Mid Slope
1222969	390696	7062732	1200	4-Aug-11	30	c	Light Brown		5				95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222970	390747	7062727	1194	4-Aug-11	30	c	Light Brown	5	10				85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222971	390794	7062724	1191	4-Aug-11	30	c	Light Brown		5				95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222972	390897	7062720	1172	4-Aug-11	30	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222973	391000	7062722	1174	4-Aug-11	30	c	Light Brown				15		85	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222974	391095	7062707	1160	4-Aug-11	30	c	Light Brown				10		90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222975	391203	7062704	1155	4-Aug-11	30	c	Light Brown				20		80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222976	391298	7062697	1152	4-Aug-11	30	c	Light Brown		20		10		70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222977	391394	7062693	1150	4-Aug-11	30	c	Light Brown				20		80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222978	391495	7062696	1148	4-Aug-11	30	c	Light Brown				20		80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222979	391595	7062701	1147	4-Aug-11	30	c	Light Brown		15		15		70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222980	391677	7062758	1157	4-Aug-11	40	c	Light Brown		15		15		70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222981	391736	7062835	1147	4-Aug-11	40	c	Light Brown		20		20		60	Weathered Bedrock	Wet	Evergreen	Mid Slope
1222982	391775	7062925	1133	4-Aug-11	30	c	Light Brown		40				60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222983	391800	7063019	1118	4-Aug-11	30	c	Dark Brown		20		20		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222984	391829	7063119	1101	4-Aug-11	40	c	Dark Brown							Weathered Bedrock	Moist	Evergreen	Mid Slope
1222985	391859	7063216	1080	4-Aug-11	40	c	Light Brown				20		80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222986	391874	7063317	1063	4-Aug-11	40	c	Light Brown				10		90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222987	391906	7063406	1050	4-Aug-11	40	c	Light Brown		10		10		80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222988	391933	7063500	1034	4-Aug-11	30	c	Light Brown		10		40		50	Weathered Bedrock	Wet	Evergreen	Mid Slope
1222989	391959	7063602	1020	4-Aug-11	30	c	Light Brown		20				80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222990	391984	7063699	1004	4-Aug-11	30	c	Light Brown		10		10		80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222991	392014	7063790	992	4-Aug-11	30	c	Light Brown		20		10		70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222992	392038	7063891	975	4-Aug-11	30	c	Dark Brown		10		10		80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222993	392064	7063988	957	4-Aug-11	40	c	Light Brown				20		80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222994	392114	7064070	940	4-Aug-11	30	c	Light Brown		40				60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222995	392181	7064155	922	4-Aug-11	30	c	Light Brown		20		20		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222996	392241	7064227	906	4-Aug-11	30	c	Light Brown		40				60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222997	392288	7064313	887	4-Aug-11	30	c	Light Brown		50				50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222998	392334	7064403	867	4-Aug-11	30	c	Light Brown		30		30		40	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222999	392366	7064498	847	4-Aug-11	40	c	Light Brown				10		90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223000	392388	7064591	815	4-Aug-11	70	c	Dark Brown		40				60	Weathered Bedrock	partially frozen	Evergreen	Mid Slope
1223355	389163	7062642	1329	4-Aug-11	5	a/b	Dark Brown	80					20	Weathered Bedrock	Moist	alpine	Ridge Top
1223356	389196	7062664	1333	4-Aug-11	5	a/b	Dark Brown	20					80	Weathered Bedrock	Moist	alpine	Ridge Top
1223357	389234	7062693	1337	4-Aug-11	5	a/b	Dark Brown	20					80	Weathered Bedrock	Moist	alpine	Ridge Top
1223358	389280	7062730	1341	4-Aug-11	20	c	Light Brown	50					50	Weathered Bedrock	Moist	alpine	Ridge Top
1223359	389322	7062753	1345	4-Aug-11	5	a/b	Dark Brown		50				50	Weathered Bedrock	Moist	alpine	Ridge Top
1223360	389363	7062784	1341	4-Aug-11	20	b/c	Dark Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223361	389404	7062818	1339	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223362	389440	7062852	1336	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223363	389479	7062878	1336	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223364	389520	7062907	1333	4-Aug-11	20	c	Light Brown	20					80	Weathered Bedrock	Moist	alpine	Ridge Top
1223365	389569	7062941	1324	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223366	389603	7062951	1319	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	alpine	Ridge Top
1223367	389653	7062979	1304	4-Aug-11	15	c	Light Brown		10				90	Weathered Bedrock	Moist	alpine	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1223368	389698	7062993	1288	4-Aug-11	15	a/b	Dark Brown	50					50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223369	389743	7063012	1273	4-Aug-11	30	b/c	Dark Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223370	389793	7063024	1261	4-Aug-11	20	b	Dark Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223371	389842	7063049	1250	4-Aug-11	30	b	Dark Brown	20					80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223372	389877	7063074	1240	4-Aug-11	40	b/c	Dark Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223373	389927	7063095	1231	4-Aug-11	40	b/c	Dark Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223374	389957	7063132	1231	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223375	389993	7063171	1220	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223376	390048	7063217	1206	4-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223377	390061	7063241	1200	4-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223378	390096	7063276	1189	4-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223379	390127	7063322	1177	4-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223380	390168	7063349	1168	4-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223381	390205	7063398	1157	4-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223382	390236	7063422	1151	4-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223383	390278	7063454	1143	4-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223384	390319	7063487	1134	4-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223385	390348	7063527	1126	4-Aug-11	30	c	Light Brown	10					80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223386	390386	7063558	1115	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223387	390427	7063585	1109	4-Aug-11	20	c	Light Brown		5				95	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223388	390463	7063619	1104	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223389	390496	7063657	1089	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223390	390532	7063690	1081	4-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223391	390574	7063715	1074	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223392	390616	7063742	1065	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223393	390663	7063775	1057	4-Aug-11	30	b/c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223394	390706	7063802	1047	4-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223395	390741	7063830	1035	4-Aug-11	30	c	Light Brown	10					90	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223396	390775	7063862	1027	4-Aug-11	30	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223397	390812	7063898	1019	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223398	390853	7063930	1010	4-Aug-11	40	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223399	390886	7063971	1000	4-Aug-11	20	c	Dark Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223400	390934	7063996	990	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223651	390966	7064033	980	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223652	391005	7064059	970	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223653	391047	7064090	959	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223654	391086	7064133	950	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223655	391114	7064154	943	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223656	391139	7064204	934	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223657	391175	7064242	924	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223658	391213	7064266	910	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223659	391259	7064339	888	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223660	391278	7064353	878	4-Aug-11	30	b/c	light grey	20					80	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223661	391309	7064389	860	4-Aug-11	20	c	Light Brown						100	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223662	391353	7064404	836	4-Aug-11	20	a/b	Dark Brown	50					50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1223663	391383	7064437	820	4-Aug-11	20	b/c	dark grey	50					50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222651	389314	7062822	1323	4-Aug-11	30	b/c	Dark Brown				50		50	Talus	Moist	Evergreen	Mid Slope
1222652	389279	7062864	1314	4-Aug-11	40	c	Dark Brown					50	50	Talus	Moist	Evergreen	Mid Slope
1222653	389240	7062900	1306	4-Aug-11	40	c	Dark Brown		20		20		60	Talus	Moist	Evergreen	Mid Slope
1222654	389205	7062931	1294	4-Aug-11	40	c	light grey		20		20	20	60	Talus	Moist	Evergreen	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1222655	389173	7062967	1281	4-Aug-11	45	c	dark grey				20		80	Talus	Moist	Evergreen	Mid Slope
1222656	389130	7063002	1271	4-Aug-11	70	c	light grey					20	80	Talus	Moist	Evergreen	Mid Slope
1222657	389092	7063033	1262	4-Aug-11	40	c	light grey				30		70	Talus	Moist	Evergreen	Mid Slope
1222658	389066	7063078	1254	4-Aug-11	40	c	Dark Brown		20		10	10	60	Talus	Moist	Evergreen	Mid Slope
1222659	389018	7063103	1247	4-Aug-11	45	c	Dark Brown				10	20	70	Talus	Moist	Evergreen	Mid Slope
1222660	388993	7063133	1242	4-Aug-11	40	c	light grey		20		20	20	40	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222661	388958	7063176	1236	4-Aug-11	45	c	dark grey				20	20	60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222662	388937	7063226	1235	4-Aug-11	50	c	dark grey				50		50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222663	388922	7063271	1234	4-Aug-11	50	c	Light Brown				30		70	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222664	388904	7063319	1237	4-Aug-11	50	c	dark grey		10		30		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222665	388882	7063366	1241	4-Aug-11	40	c	dark grey		20		20	20	40	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222666	388868	7063413	1246	4-Aug-11	45	c	Dark Brown		20		20	30	30	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222667	388869	7063459	1253	4-Aug-11	40	c	dark grey		10		30	30	30	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222668	388874	7063513	1263	4-Aug-11	35	c	Dark Brown		20			30	50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222669	388879	7063557	1271	4-Aug-11	55	c	Dark Brown				10	20	70	Talus	Moist	Evergreen	Mid Slope
1222670	388890	7063606	1276	4-Aug-11	50	c	Dark Brown				20	30	50	Talus	Moist	Evergreen	Mid Slope
1222671	388895	7063665	1275	4-Aug-11	35	c	Dark Brown		20		10	10	60	Talus	Moist	Evergreen	Mid Slope
1222672	388903	7063712	1275	4-Aug-11	40	c	dark grey		50			10	40	Talus	Moist	Evergreen	Mid Slope
1222673	388900	7063759	1273	4-Aug-11	50	c	Dark Brown				20	30	50	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222674	388904	7063804	1273	4-Aug-11	45	c	Dark Brown		10		30	30	30	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222675	388905	7063856	1276	4-Aug-11	35	c	Dark Brown				40		60	Talus	Moist	Evergreen	Mid Slope
1222676	388907	7063907	1277	4-Aug-11	40	c	dark grey		10		30		60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222677	388909	7063957	1283	4-Aug-11	40	c	Dark Brown		20		10	10	60	Weathered Bedrock	Moist	Evergreen	Mid Slope
1222678	388910	7064003	1284	4-Aug-11	40	b/c	Dark Brown	20	20		20		40	Talus	Moist	Evergreen	Mid Slope
1222679	388897	7064059	1286	4-Aug-11	40	c	Dark Brown		30		10		60	Talus	Moist	Evergreen	Mid Slope
1222680	388879	7064105	1290	4-Aug-11	40	c	Dark Brown		20		10		70	Talus	Moist	Evergreen	Mid Slope
1222681	388868	7064143	1298	4-Aug-11	40	c	Dark Brown		10		30		60	Talus	Moist	Evergreen	Mid Slope
1222682	388848	7064200	1312	4-Aug-11	40	c	Dark Brown		10			50	40	Talus	Moist	Evergreen	Mid Slope
1222683	388832	7064242	1314	4-Aug-11	40	c	Dark Brown		40		10		50	Talus	Moist	Evergreen	Mid Slope
1222684	388837	7064299	1316	4-Aug-11	35	c	Dark Brown		10		30		60	Talus	Moist	Evergreen	Mid Slope
1222685	388847	7064349	1316	4-Aug-11	35	c	Dark Brown		10		10		80	Talus	Moist	Evergreen	Mid Slope
1222686	388863	7064389	1311	4-Aug-11	40	c	Dark Brown				30	30	40	Talus	Moist	Evergreen	Mid Slope
1222687	388872	7064435	1304	4-Aug-11	40	c	yellow orange					30	70	Talus	Moist	Evergreen	Mid Slope
1222688	388886	7064489	1304	4-Aug-11	30	b/c	Dark Brown	20				20	60	Talus	Moist	Evergreen	Mid Slope
1222689	388900	7064540	1301	4-Aug-11	40	c	Dark Brown		20		10	30	40	Talus	Moist	Evergreen	Mid Slope
1222690	388917	7064584	1300	4-Aug-11	40	c	Dark Brown	10				40	50	Talus	Moist	Evergreen	Mid Slope
1222691	388936	7064627	1303	4-Aug-11	40	c	Dark Brown		10			30	60	Talus	Moist	Evergreen	Mid Slope
1222692	388963	7064670	1307	4-Aug-11	20	b/c	Dark Brown	10				20	70	Talus	Moist	Evergreen	Mid Slope
1222693	388980	7064704	1305	4-Aug-11	30	b/c	Dark Brown	20			10	30	40	Talus	Moist	Evergreen	Mid Slope
1222694	389013	7064752	1304	4-Aug-11	30	b/c	Dark Brown	20				30	50	Talus	Moist	Evergreen	Mid Slope
1222695	389047	7064794	1298	4-Aug-11	20	b/c	Dark Brown	10				30	60	Talus	Moist	Evergreen	Mid Slope
1222696	389074	7064835	1298	4-Aug-11	40	c	Dark Brown	10			20	20	50	Talus	Moist	Evergreen	Mid Slope
1222697	389111	7064872	1297	4-Aug-11	35	c	Dark Brown					50	50	Talus	Moist	Evergreen	Mid Slope
1222698	389145	7064911	1291	4-Aug-11	20	b/c	Dark Brown	20				20	60	Talus	Moist	Evergreen	Mid Slope
1222699	389180	7064935	1289	4-Aug-11	20	b/c	Dark Brown				20		80	Talus	Moist	Evergreen	Mid Slope
1222700	389219	7064963	1287	4-Aug-11	30	c	Dark Brown				20	30	50	Talus	Moist	Evergreen	Mid Slope
1223901	389265	7064990	1287	4-Aug-11	40	c	Dark Brown					20	80	Talus	Moist	Evergreen	Mid Slope
1223902	389308	7065021	1282	4-Aug-11	20	b/c	Dark Brown	10	10			40	40	Talus	Moist	Evergreen	Mid Slope
1223903	389344	7065054	1282	4-Aug-11	30	c	Dark Brown				10	30	60	Talus	Moist	Evergreen	Mid Slope
1223904	389388	7065081	1280	4-Aug-11	35	b/c	Dark Brown	10				10	80	Talus	Moist	Evergreen	Mid Slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1223905	389426	7065112	1278	4-Aug-11	no data												
1223906	389476	7065134	1275	4-Aug-11	no data												
1223907	389525	7065155	1269	4-Aug-11	no data												
1223908	389567	7065178	1265	4-Aug-11	no data												
1223909	389612	7065177	1275	4-Aug-11	no data												
1223910	389644	7065181	1284	4-Aug-11	no data												
1223911	389781	7065224	1292	4-Aug-11	no data												
1223912	389830	7065212	1282	4-Aug-11	no data												
1223913	389878	7065213	1271	4-Aug-11	no data												
1223914	389930	7065196	1264	4-Aug-11	no data												
1223915	389989	7065192	1259	4-Aug-11	no data												
1223916	390036	7065199	1251	4-Aug-11	no data												
1223917	390084	7065190	1235	4-Aug-11	no data												
1223918	390138	7065182	1219	4-Aug-11	no data												
1223919	390192	7065170	1204	4-Aug-11	no data												
1223920	390223	7065173	1202	4-Aug-11	no data												
1223921	390279	7065167	1190	4-Aug-11	no data												
1223922	390329	7065161	1181	4-Aug-11	no data												
1223923	390377	7065155	1170	4-Aug-11	no data												
1223924	390425	7065145	1157	4-Aug-11	no data												
1223925	390475	7065142	1148	4-Aug-11	no data												
1223926	390533	7065134	1138	4-Aug-11	no data												
1223927	390582	7065126	1125	4-Aug-11	no data												
1223928	390622	7065121	1112	7-Aug-11	40	c	lt brown				10		90	weathered bedrock	moist	evergreen	mid slope
1223929	390683	7065105	1099	7-Aug-11	50	c	lt brown				20		80	weathered bedrock	moist	evergreen	mid slope
1223930	390723	7065089	1091	7-Aug-11	50	c	lt brown		10		20		70	weathered bedrock	moist	evergreen	mid slope
1223931	390775	7065080	1081	7-Aug-11	50	c	lt brown				30	10	60	weathered bedrock	moist	evergreen	mid slope
1223932	390824	7065071	1073	7-Aug-11	35	c	lt brown		10		10		80	weathered bedrock	moist	evergreen	mid slope
1223933	390874	7065062	1065	7-Aug-11	50	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1223934	390913	7065051	1057	7-Aug-11	55	c	lt brown		10		20	20	50	weathered bedrock	moist	evergreen	mid slope
1223935	390966	7065041	1049	7-Aug-11	50	c	lt brown		20		20		60	weathered bedrock	moist	evergreen	mid slope
1223936	391019	7065030	1042	7-Aug-11	45	c	lt brown		10		30		60	weathered bedrock	moist	evergreen	mid slope
1223937	391069	7065020	1033	7-Aug-11	40	c	lt brown		10		10		80	weathered bedrock	moist	evergreen	mid slope
1223938	391115	7065006	1022	7-Aug-11	40	c	lt brown		20		30		50	weathered bedrock	moist	evergreen	mid slope
1223939	391159	7064997	1013	7-Aug-11	50	c	lt brown		20		20		60	weathered bedrock	moist	evergreen	mid slope
1223940	391218	7064987	1002	7-Aug-11	40	c	lt brown		20		20	30	30	weathered bedrock	moist	evergreen	mid slope
1223941	391262	7064978	992	7-Aug-11	55	c	lt brown		10	10		20	60	weathered bedrock	moist	evergreen	mid slope
1223942	391312	7064975	981	7-Aug-11	45	c	lt brown		10		30		60	weathered bedrock	moist	evergreen	mid slope
1223943	391360	7064972	972	7-Aug-11	60	c	lt brown		10		20		70	weathered bedrock	moist	evergreen	mid slope
1223944	391412	7064961	963	7-Aug-11	55	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1223945	391458	7064957	955	7-Aug-11	50	c	lt brown				40		60	weathered bedrock	moist	evergreen	mid slope
1223946	391514	7064950	943	7-Aug-11	50	c	lt brown		30		30		40	weathered bedrock	moist	evergreen	mid slope
1223947	391566	7064954	935	7-Aug-11	55	c	lt brown		10		20	20	50	weathered bedrock	moist	evergreen	mid slope
1223948	391614	7064958	928	7-Aug-11	55	c	lt brown		10		10		80	weathered bedrock	moist	evergreen	mid slope
1223949	391671	7064954	918	7-Aug-11	50	c	lt brown				50		50	weathered bedrock	moist	evergreen	mid slope
1223950	391715	7064952	907	7-Aug-11	30	c	lt brown		50		10		40	weathered bedrock	moist	evergreen	mid slope
1223951	391764	7064954	896	7-Aug-11	50	c	lt brown				10	30	60	weathered bedrock	moist	evergreen	mid slope
1223952	391810	7064955	886	7-Aug-11	55	c	lt brown		10		10		80	weathered bedrock	moist	evergreen	mid slope
1223953	391866	7064952	874	7-Aug-11	55	c	lt brown		20		20	20	40	weathered bedrock	moist	evergreen	mid slope
1223954	391905	7064944	867	7-Aug-11	40	c	lt grey		20		20		60	weathered bedrock	moist	evergreen	mid slope

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Sample Depth (cm)	Horizon	Colour	Composition (%)						Parent Material	Moisture Content	Vegetation Cover	Topo Position
								Organics	Ang. Rock	Gravel	Sand	Silt	Clay				
1223955	391960	7064937	855	7-Aug-11	50	c	lt brown		10		20		70	weathered bedrock	moist	evergreen	mid slope
1223956	392012	7064927	843	7-Aug-11	40	c	lt brown		50		20		30	weathered bedrock	moist	evergreen	mid slope
1223957	392055	7064924	836	7-Aug-11	55	c	lt brown		10		20		70	weathered bedrock	moist	evergreen	mid slope
1223958	392112	7064908	821	7-Aug-11	40	c	lt brown		20		30		50	weathered bedrock	moist	evergreen	mid slope
1223959	392159	7064914	808	7-Aug-11	55	c	dk grey		40		20		40	weathered bedrock	moist	evergreen	mid slope
1223960	392213	7064906	786	7-Aug-11	40	c	lt grey		20		30		50	weathered bedrock	moist	evergreen	mid slope
1223961	392247	7064876	774	7-Aug-11	55	c	lt brown		10		30		60	weathered bedrock	moist	evergreen	mid slope
1223962	392292	7064857	755	7-Aug-11	50	c	lt brown		10			30	60	weathered bedrock	moist	evergreen	mid slope
1223963	392344	7064835	729	7-Aug-11	50	c	lt grey		10			20	70	weathered bedrock	moist	evergreen	mid slope
1223964	392387	7064816	0	7-Aug-11	55	c	dk grey					40	60	weathered bedrock	moist	evergreen	mid slope

Appendix II: Silt Sample Descriptions

Silt Sample Descriptions

UTM NAD 83 Zone 8

Sample ID	Easting	Northing	Elevation (m)	Date Taken	Medium	Medium depth (m)	Medium width (m)	Bank type	Water colour	Vegetation Cover
1220718	389710	7063548	1126	7-Aug-11	creek	0.3	0.5	organics	clear	evergreen
1220719	389892	7063703	1062	7-Aug-11	creek	0.2	0.5	organics	clear	evergreen
1220720	390243	7064366	935	7-Aug-11	creek	0.2	0.5	organics	clear	evergreen

Appendix III: Rock Sample Descriptions

Rock Sample Descriptions

UTM NAD 83 Zone 8

Abbreviations: qtz - quartz, py - pyrite, cpy - chalcopyrite, po - pyrrhotite, chl - chlorite, fg - fine grained, mg - medium grained, metased - metasedimentary, min - mineralization, OC - outcrop

Sample ID	Easting	Northing	Elevation	Date	Sampler	Description
1220631	390036	7065206	1249	4-Aug-11	Dan	Metasediments, mica schist, oxidation, hemtite, 2 cm qtz vein along foliation, no visible mineralization.
1221842	389287	7062984	1328	4-Aug-11	Richard	Subcrop, rubble, examined 25-30m. Az 068, gneissic, qtz/calcite inclusion = granitized to a small degree. Sampled qtz-cal-schist and spec of cpy?
1221843	389248	7062657	1334	4-Aug-11	Richard	1-2ft QV rusty. Az 270, cross-structure?
1221844	388947	7062718	1265	4-Aug-11	Richard	Rusty qtz boulder (float), qtz crystals up to 2cm, cpy, bornite plume, vugy, carb?
1221845	389022	7063425	1244	4-Aug-11	Richard	Rusty qtz boulder, float.
1222156	389672	7065210	1285	4-Aug-11	Moses	Float, finely disseminated sulphides in qtz. The metased host rock has sulphides as well.
1222157	389382	7065184	1257	4-Aug-11	Moses	Float, tourmaline granite? Minerals included are tourmaline, smokey qtz, feldspar, muscovite. Slightly oxidized.
1222158	389318	7065153	1248	4-Aug-11	Moses	Oxidized metaseds. Float.
1222159	389067	7064975	1267	4-Aug-11	Moses	FLOAT, qtz float with sulphides. Some of the qtz is a bit washed out bluish-grey with very fine metallics in the blue-grey qtz.
1222161	389571	7063578	1145	7-Aug-11	Moses	Float in scree field. Qtz oxidied in scree field with minor remnant sulphides.
1222162	390249	7064294	944	7-Aug-11	Moses	Float in scree field. Smokey looking qtz with milky qtz, slightly oxidized.
1222163	390406	7064507	948	7-Aug-11	Moses	Qtz vein followed for over 30m. About 30cm wide. Qtz vein sits on an arseno-bearing rock. Meta qtz diorite or metased? Qtz has sections of black acicular tourmaline and some very fine sulpides making the qtz blackish grey. Qtz is brecciated. 011/72/N. Fault EW.
1222701	390256	7064484	958	7-Aug-11	Richard	Boulder runoff, graphite-schist, py, rusted boulder around.
1222702	390403	7064582	1000	7-Aug-11	Richard	Subcrop, rusted metasedimentary schist + Fe stain on fracture planes.

Appendix IV: Soil Sample Results and Assay Certificates

Note: Assay certificates contain results for additional Goldspike Exploration properties. A spreadsheet of results for the For Property is included.

Soil Sample Results (select elements)

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Element	Au	As	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	Sr	Sb	Bi	Ca	P	Cr	Mg	Ba	Al	Hg	S
Unit	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	%	%	PPM	%	PPM	%	PPM	%
DL	0.5	0.5	0.1	0.1	0.1	0.1	1	0.1	0.1	1	0.01	1	0.1	0.1	0.01	0.001	1	0.01	1	0.01	0.01	0.05
Sample ID																						
1205451	2.8	18.5	0.3	0.6	19.8	24.1	60	14	5.7	189	2.11	18	0.3	0.4	0.09	0.044	18	0.42	121	1.07	0.04	<0.05
1205452	3	36.4	0.2	0.8	16.3	19.1	51	13.2	5	163	2.03	16	0.4	0.3	0.07	0.03	16	0.33	80	0.85	0.02	<0.05
1205453	2.5	25.4	0.2	0.8	14.7	18.4	56	14.3	5.7	192	2.08	16	0.4	0.3	0.08	0.032	20	0.44	99	1.12	0.03	<0.05
1222393	1.5	8.8	<0.1	0.6	7.6	11.8	43	10.1	3.6	153	2.27	9	0.7	0.3	0.07	0.033	17	0.25	58	0.99	0.04	<0.05
1222394	2.6	12.5	<0.1	0.9	21.9	14.6	78	24.4	9.9	275	2.7	16	1	0.3	0.11	0.067	25	0.43	119	1.49	0.02	<0.05
1222395	<0.5	12.6	<0.1	0.7	27.5	19.5	88	39.3	15.6	306	3.59	10	0.7	0.3	0.05	0.03	39	0.66	145	2.25	0.03	<0.05
1222396	<0.5	10.4	0.1	1.1	11.8	12.4	42	12	4.9	160	2.42	11	1	0.3	0.06	0.035	19	0.26	99	1.12	0.06	<0.05
1222397	<0.5	9	0.1	0.6	19.8	26.2	67	23.9	8.5	204	2.51	12	0.6	0.3	0.08	0.041	26	0.45	88	1.38	0.02	<0.05
1222398	3.3	11.7	0.1	0.9	22.5	13.5	69	19.3	7.4	217	2.36	12	1	0.3	0.07	0.04	22	0.39	79	1.16	0.03	<0.05
1222399	0.9	15.3	0.4	1.3	39.6	24.1	87	25.8	12.3	429	3.27	17	1	0.6	0.08	0.072	28	0.47	159	1.55	0.04	<0.05
1222400	2	17.5	<0.1	1.2	24.2	18.6	70	20.4	8.6	253	3.19	14	0.9	0.5	0.07	0.054	26	0.41	145	1.48	0.03	<0.05
1222401	4	19.3	0.3	1.2	30.8	112.8	94	22.2	7.8	234	3.09	12	0.9	1	0.06	0.058	24	0.43	126	1.4	0.06	<0.05
1222402	3	11.4	<0.1	1.1	30.7	20.2	55	19	5	188	2.06	13	0.7	0.5	0.06	0.051	23	0.3	130	1.05	0.05	<0.05
1222403	2	26.6	<0.1	1	20.2	17.3	64	18.1	6.2	190	2.22	15	0.8	0.4	0.09	0.047	22	0.35	108	1.07	0.04	<0.05
1222404	8.6	32.9	<0.1	1	18	28.5	60	16.1	5.5	157	2.14	12	0.7	0.4	0.07	0.052	22	0.35	94	1.17	0.03	<0.05
1222405	6.4	15.3	<0.1	1	15.7	23	58	15.3	5.3	167	2.1	12	0.7	0.3	0.08	0.058	23	0.32	93	1.13	0.03	<0.05
1222406	2.4	12.4	<0.1	0.8	14.2	27.8	58	14.6	5.8	189	1.89	11	0.6	0.3	0.07	0.056	21	0.29	78	1.07	0.04	<0.05
1222407	0.8	9.5	<0.1	0.7	16.7	11.3	56	17.3	6.5	203	1.87	11	0.6	0.3	0.08	0.046	21	0.33	95	1.02	0.05	<0.05
1222408	8.8	9.4	<0.1	0.8	17.6	14	54	16.7	6.6	181	1.92	13	0.6	0.3	0.07	0.065	21	0.3	106	1.11	0.04	<0.05
1222409	53.4	11.4	<0.1	0.9	14.8	15.9	59	15.8	7.8	279	2.13	12	0.6	0.3	0.07	0.042	21	0.31	116	1.1	<0.01	<0.05
1222410	2.1	8.8	<0.1	0.8	11.4	11.9	46	12.3	4.8	149	2	10	0.5	0.3	0.06	0.048	20	0.28	79	1.19	0.05	<0.05
1222411	2.1	11.3	<0.1	0.7	21.1	15.8	71	21.9	10.5	360	2.41	13	0.7	0.3	0.07	0.048	26	0.4	118	1.28	0.04	<0.05
1222412	1.7	10.2	<0.1	0.7	22.1	13.4	67	20.8	9.3	266	2.23	16	0.7	0.3	0.1	0.051	24	0.4	143	1.38	0.04	<0.05
1222413	<0.5	9.1	<0.1	0.8	12.2	12.1	52	15	7.6	245	1.95	11	0.6	0.3	0.07	0.047	22	0.32	85	1.17	0.02	<0.05
1222414	1	11.8	<0.1	0.8	12.8	13.8	53	14.1	5.9	159	2.16	11	0.6	0.3	0.07	0.04	23	0.33	82	1.28	0.03	<0.05
1222415	1.9	11.3	<0.1	0.9	12.6	13.3	53	13.9	6.5	196	2.44	10	0.7	0.3	0.06	0.032	24	0.32	79	1.52	0.04	<0.05
1222416	9.1	10.9	<0.1	0.7	18.5	10	50	16.3	7.2	214	2	12	0.8	0.3	0.09	0.059	21	0.31	82	1.1	0.05	<0.05
1222417	7.8	10.6	<0.1	0.7	18.9	10	47	14.9	6.9	198	2.05	11	0.8	0.3	0.08	0.047	22	0.31	103	1.16	0.03	<0.05
1222418	2.5	9.1	<0.1	0.6	9.8	9.3	39	10.9	3.8	146	1.83	10	0.6	0.3	0.07	0.037	19	0.25	62	0.88	0.03	<0.05
1222419	2.5	11.6	<0.1	0.6	16.5	10.5	45	15.8	7	199	2.09	9	0.5	0.2	0.09	0.054	21	0.37	106	1.17	0.05	<0.05
1222420	3.9	13.5	<0.1	0.8	21.4	12.6	53	19.7	8.7	279	2.62	10	0.5	0.2	0.09	0.046	25	0.4	151	1.41	0.01	<0.05
1222421	3.7	12.7	0.1	0.8	14.1	21.6	52	17.7	8.3	208	2.83	9	0.6	0.2	0.08	0.031	26	0.38	106	1.55	0.03	<0.05
1222422	14	14.4	<0.1	0.8	19.3	10.3	45	15.4	4.9	151	2.06	10	0.5	0.2	0.08	0.029	18	0.26	91	0.96	0.02	<0.05
1222951	1.5	8.1	<0.1	0.9	17.1	8.8	44	17.1	6.9	352	2.09	10	0.8	0.2	0.09	0.046	17	0.26	86	0.95	0.03	0.11
1222952	0.9	43.3	<0.1	1	19.3	33.2	62	18.9	7	244	2.51	10	0.8	0.2	0.09	0.04	24	0.39	110	1.3	0.03	0.14
1222953	2.9	11	<0.1	1	15.5	12.9	48	15.8	6.1	204	2.29	9	0.6	0.2	0.09	0.05	24	0.32	91	1.39	0.04	0.14
1222954	0.5	11.4	<0.1	0.9	22.6	13.3	53	20.9	8.6	254	2.35	10	0.6	0.2	0.12	0.064	22	0.38	100	1.3	0.02	0.11
1222955	0.5	12.8	<0.1	1	29.6	12.9	60	22.7	9.6	296	2.64	10	0.7	0.2	0.11	0.065	26	0.4	130	1.53	0.04	0.14
1222956	1	7.9	<0.1	0.6	9.9	10.2	20	7.2	2.1	66	1.25	6	0.4	0.2	0.04	0.042	14	0.15	56	0.91	0.04	0.13
1222957	<0.5	12.1	<0.1	1.5	18.3	13.1	50	14.5	8.6	382	3.33	8	0.8	0.2	0.06	0.039	28	0.28	90	1.64	0.04	0.13
1222958	1.8	12.5	<0.1	0.8	22.8	11.2	54	18.8	6.7	254	2.41	8	0.6	0.2	0.08	0.041	22	0.36	65	1.27	0.02	0.13
1222959	0.8	11.7	<0.1	1	14.1	9.9	39	13.8	4.5	140	2.22	8	0.6	0.2	0.07	0.04	22	0.32	70	1.29	0.03	0.13
1222960	0.6	11.7	<0.1	1.3	17.8	11.4	59	17.6	7.6	260	2.78	11	0.6	0.2	0.11	0.077	32	0.39	99	1.66	0.03	0.19
1222961	1.8	7.9	<0.1	0.7	8.6	11.9	22	6.3	2.2	60	1.51	8	0.3	0.2	0.06	0.054	21	0.19	62	1.08	0.04	<0.05
1222962	1.4	11.6	<0.1	1.1	21.6	17.1	55	17.9	6.3	191	2.34	11	0.7	0.2	0.11	0.06	27	0.41	116	1.52	0.03	0.08
1222963	2.7	9.4	<0.1	0.9	14.5	24	49	15.5	5.6	177	2.38	9	0.5	0.2	0.1	0.044	26	0.39	81	1.42	0.02	0.05
1222964	1.2	10.5	<0.1	0.8	9	14.7	41	10.7	4.7	141	2.5	8	0.5	0.2	0.08	0.038	26	0.31	90	1.41	0.03	<0.05
1222965	7.9	8.7	<0.1	0.8	18.8	11.3	50	16.6	5.5	179	2.33	10	0.5	0.2	0.1	0.037	25	0.43	93	1.39	0.02	0.07
1222966	3.6	10.7	<0.1	0.8	13.7	16.2	31	8.9	3.5	105	2.35	8	0.4	0.2	0.06	0.055	23	0.27	91	1.42	0.04	<0.05
1222967	1.9	8.1	<0.1	0.8	23.9	10.8	53	15.6	5.9	202	2.37	9	0.6	0.2	0.09	0.037	21	0.46	109	1.41	0.03	<0.05
1222968	2.8	9	<0.1	0.9	23.6	8.9	53	18.5	7.2	217	2.17	11	0.7	0.1	0.12	0.04	22	0.46	139	1.35	0.02	<0.05

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Element	Au	As	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	Sr	Sb	Bi	Ca	P	Cr	Mg	Ba	Al	Hg	S
Unit	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	%	%	PPM	%	PPM	%	PPM	%
DL	0.5	0.5	0.1	0.1	0.1	0.1	1	0.1	0.1	1	0.01	1	0.1	0.1	0.01	0.001	1	0.01	1	0.01	0.01	0.05
Sample ID																						
1222969	2.8	11.3	<0.1	0.9	28.2	10.9	62	23.1	8.9	344	2.53	15	0.9	0.1	0.16	0.052	27	0.49	233	1.4	0.02	<0.05
1222970	5	14.4	<0.1	1.3	30.6	14.5	59	20.9	8.5	340	2.7	16	0.9	0.2	0.16	0.055	29	0.46	310	1.7	0.07	<0.05
1222971	1.1	9.5	<0.1	0.7	20.4	10.1	48	15.2	5.7	180	2.23	10	0.6	0.1	0.11	0.036	22	0.41	95	1.35	0.02	<0.05
1222972	2.5	9.1	<0.1	0.7	20	11.1	48	15.6	5.7	183	2.45	13	0.6	0.2	0.11	0.032	21	0.4	183	1.29	0.03	0.07
1222973	2.1	12.7	<0.1	0.9	24.4	12.2	63	19.1	8.9	265	2.83	11	0.7	0.2	0.12	0.059	26	0.4	126	1.66	0.03	<0.05
1222974	3	12	<0.1	0.9	23.2	12	59	20.1	9.3	298	2.91	11	0.7	0.2	0.12	0.055	27	0.44	146	1.62	0.05	<0.05
1222975	1.4	13	<0.1	0.9	11.2	14.8	42	12.1	4.6	136	3.87	7	0.6	0.2	0.06	0.032	28	0.35	68	1.55	0.03	0.06
1222976	4.6	10.2	<0.1	0.9	22.9	12.3	50	17.3	7.8	242	2.51	10	0.7	0.2	0.09	0.028	25	0.45	165	1.46	0.03	<0.05
1222977	2.1	13	<0.1	0.9	24.4	14.4	55	17.4	7.5	204	2.79	9	0.9	0.2	0.08	0.035	29	0.44	157	1.61	0.04	<0.05
1222978	2.7	10.9	<0.1	1.1	15.9	13.1	48	15.7	6.3	165	2.53	8	0.5	0.2	0.07	0.049	27	0.36	116	1.58	0.04	<0.05
1222979	4.9	16.1	<0.1	1	17.1	14.9	49	15.4	7.4	262	2.64	8	0.7	0.3	0.07	0.03	27	0.39	141	1.59	0.04	<0.05
1222980	3.5	11.9	<0.1	1	17.7	11.2	51	18	6.7	221	2.24	10	0.6	0.2	0.1	0.038	25	0.4	152	1.35	0.02	<0.05
1222981	2.7	10.4	<0.1	0.8	17.8	10.9	51	16.7	6.4	204	2.15	10	0.6	0.2	0.12	0.043	22	0.39	113	1.34	0.04	<0.05
1222982	3	9.6	0.1	0.8	31	18	72	26.1	11.7	460	2.71	18	0.7	0.2	0.11	0.035	21	0.47	328	1.3	0.04	<0.05
1222983	2	7.3	<0.1	0.7	17.2	10.5	42	12.9	4.3	120	1.67	10	0.4	0.2	0.1	0.057	20	0.29	109	1.12	0.04	<0.05
1222984	2.4	11.4	<0.1	0.9	14.6	15.5	50	14.6	5.1	144	2.01	9	0.5	0.2	0.09	0.045	21	0.3	111	1.19	0.04	<0.05
1222985	6.1	10.7	0.1	1	21.1	27.4	60	17.7	6.2	189	2.21	11	0.6	0.2	0.11	0.052	21	0.34	136	1.16	0.02	<0.05
1222986	2.3	10.7	0.1	0.7	14.8	18.2	49	15.3	5.4	148	2.02	9	0.5	0.2	0.11	0.049	19	0.32	118	1.18	0.03	<0.05
1222987	3.4	10.9	0.1	0.7	13.7	16.3	45	13.2	4.4	104	1.98	9	0.5	0.2	0.09	0.047	20	0.28	108	1.13	0.05	<0.05
1222988	3.6	15.1	<0.1	0.7	19.6	13	53	17.2	6.1	169	2.19	10	0.6	0.2	0.11	0.055	22	0.35	138	1.29	0.05	<0.05
1222989	3.2	11.1	<0.1	0.5	19.2	12.5	52	15.8	6	165	2.03	10	0.5	0.2	0.11	0.042	20	0.36	117	1.17	0.02	<0.05
1222990	9.9	25.9	0.2	0.8	20.1	21.8	54	15	5.8	198	2.23	10	0.5	0.2	0.09	0.052	22	0.35	130	1.36	0.04	<0.05
1222991	2.2	11.5	0.1	0.7	19.1	13	45	13.4	4.7	153	1.83	9	0.6	0.2	0.1	0.039	19	0.31	108	1.09	0.03	<0.05
1222992	3	17.1	<0.1	0.9	15.6	13.1	44	12.8	4	121	2.21	10	0.5	0.2	0.1	0.053	20	0.31	100	1.22	0.02	<0.05
1222993	3.2	19.3	<0.1	0.9	24.8	12.6	56	19	7	244	2.36	10	0.7	0.2	0.1	0.042	22	0.36	112	1.25	0.03	<0.05
1222994	6.3	36.5	<0.1	1	10.8	12.9	49	12.4	4.5	137	2.58	9	0.6	0.2	0.08	0.04	20	0.31	70	1.04	0.03	<0.05
1222995	5.5	75.9	0.1	1	17.8	14.6	56	14.8	4.8	135	2.28	9	0.6	0.2	0.07	0.036	19	0.32	97	1.19	0.04	<0.05
1222996	1.5	42.2	0.1	0.8	22.4	13.8	59	16.4	5.7	189	2.15	13	0.6	0.2	0.12	0.037	22	0.36	235	1.17	0.03	<0.05
1222997	8	29.1	0.1	0.8	15.8	13.3	51	13.3	5.1	150	2.03	11	0.5	0.2	0.12	0.045	19	0.29	124	1.05	0.04	<0.05
1222998	53.5	39.5	0.1	0.8	12.9	12.1	51	11.7	4.8	141	2.05	11	0.5	0.2	0.1	0.046	19	0.31	91	1.1	0.05	<0.05
1222999	2.3	40	0.1	0.8	16.8	11.6	57	14	5.7	151	2.32	13	0.5	0.2	0.11	0.049	19	0.35	126	1.21	0.04	<0.05
1223000	8	29.9	0.2	0.6	19.3	12.5	58	14.1	5.6	151	2.23	13	0.4	0.2	0.1	0.051	21	0.34	132	1.24	0.04	<0.05
1223356	1.3	9.4	0.2	0.8	16	9	32	12	3.3	191	1.16	9	0.3	0.1	0.09	0.069	13	0.1	112	0.59	0.06	0.05
1223357	2.7	13.8	<0.1	1.2	15.8	11.7	38	13	3.7	164	2.37	7	0.6	0.3	0.07	0.026	22	0.2	78	1.26	0.02	<0.05
1223358	1.4	16.9	<0.1	0.9	16.1	16.8	51	17.4	8.7	261	2.61	8	0.7	0.2	0.08	0.041	22	0.31	72	1.34	0.04	<0.05
1223359	14.5	13.5	<0.1	1.4	10.2	14.9	34	11.9	4.1	279	2.72	6	0.7	0.2	0.06	0.038	20	0.14	76	0.86	0.03	<0.05
1223360	3.8	16.2	<0.1	1	28.7	17.7	64	27.6	15.2	546	2.64	9	0.6	0.2	0.13	0.061	24	0.43	82	1.3	0.04	<0.05
1223361	11.4	11.8	<0.1	0.9	11	11.6	30	9.8	3.7	148	1.86	6	0.5	0.2	0.05	0.026	18	0.17	61	1.01	0.03	<0.05
1223362	2.3	7.7	<0.1	0.7	23.1	15.3	52	20.6	6.6	181	2.33	8	0.6	0.2	0.08	0.044	25	0.43	79	1.36	0.05	<0.05
1223363	1.6	18.9	0.1	0.6	34.1	18.2	72	38.4	17.3	450	2.85	6	0.5	0.2	0.07	0.038	19	0.46	116	1.37	0.02	<0.05
1223364	5.7	33.1	0.3	0.8	16.6	17.1	41	18.9	5.9	154	2.08	6	0.5	0.2	0.05	0.038	19	0.24	74	0.97	0.04	<0.05
1223365	0.7	16	<0.1	0.9	11.3	18.8	34	12.5	4.1	162	2.49	7	0.6	0.2	0.07	0.035	21	0.24	49	1.13	0.03	<0.05
1223366	18.6	21.4	<0.1	1.2	10.7	13.2	28	10	3.1	130	1.54	6	0.5	0.2	0.04	0.027	14	0.12	38	0.58	0.02	<0.05
1223367	2	12.2	0.3	0.7	7	9.9	21	6	2.4	118	1.23	5	0.3	0.2	0.04	0.043	11	0.11	35	0.61	0.05	0.07
1223368	1.9	14.5	0.2	1	11.1	17.5	32	11.7	3.6	137	1.81	6	0.3	0.2	0.05	0.039	18	0.16	49	0.85	0.06	<0.05
1223369	4.7	12.1	0.3	0.9	15.7	13.9	46	15.5	5.9	197	2.15	9	0.5	0.2	0.07	0.06	20	0.31	135	1.16	0.04	<0.05
1223370	14.8	12.5	0.1	1.1	16.3	12.1	53	16.8	6	234	2.22	10	0.5	0.2	0.13	0.066	23	0.34	83	1.04	0.03	<0.05
1223371	5.5	8.8	<0.1	0.8	10.8	8.7	39	10.7	3.7	114	1.82	7	0.3	0.1	0.05	0.038	18	0.24	73	0.91	0.04	<0.05
1223372	5.6	11.8	<0.1	1	17.3	13.3	51	15	5.4	203	2.25	10	0.5	0.2	0.11	0.06	23	0.38	112	1.25	0.04	<0.05
1223373	62.2	11.3	<0.1	0.7	15.6	10.5	45	13.3	4.9	160	1.96	9	0.5	0.2	0.12	0.057	19	0.32	97	1.06	0.05	<0.05
1223374	1.3	8.4	<0.1	0.8	9	9.1	27	7.9	2.5	67	1.37	7	0.3	0.2	0.06	0.037	15	0.22	67	0.76	0.06	<0.05
1223375	2.4	16.9	0.1	0.8	14.2	16.5	38	9.5	3.2	106	1.74	8	0.4	0.2	0.08	0.048	16	0.27	57	0.92	0.03	<0.05
1223376	0.9	10.8	<0.1	0.8	16.6	12.4	46	10.6	4	160	2.24	8	0.4	0.2	0.08	0.048	20	0.38	71	1.11	0.02	<0.05
1223377	2.3	9.6	<0.1	0.7	15.3	10.3	42	11.4	3.6	135	1.89	8	0.4	0.2	0.08	0.044	18	0.33	62	0.96	0.03	<0.05

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Element	Au	As	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	Sr	Sb	Bi	Ca	P	Cr	Mg	Ba	Al	Hg	S
Unit	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	%	%	PPM	%	PPM	%	PPM	%
DL	0.5	0.5	0.1	0.1	0.1	0.1	1	0.1	0.1	1	0.01	1	0.1	0.1	0.01	0.001	1	0.01	1	0.01	0.01	0.05
Sample ID																						
1223378	1.3	9.5	<0.1	0.8	12	12	33	8.1	2.7	102	1.68	7	0.3	0.2	0.06	0.047	17	0.26	59	0.91	0.03	<0.05
1223379	3.2	12.9	<0.1	0.7	18.9	15.8	42	12	3.8	144	1.95	8	0.5	0.2	0.09	0.046	17	0.31	69	0.91	0.03	<0.05
1223380	1.5	12.1	0.1	0.6	15.9	17.2	36	9.5	3.1	110	1.69	8	0.4	0.2	0.07	0.046	17	0.26	71	0.97	0.04	<0.05
1223381	1.3	8.9	<0.1	0.7	11.5	10.4	34	9	3	93	1.66	7	0.3	0.1	0.08	0.034	17	0.27	52	0.92	0.04	<0.05
1223382	13.9	8.9	<0.1	0.6	15.5	9.4	42	11.7	4.3	165	1.88	8	0.4	0.1	0.09	0.041	18	0.33	59	0.94	0.02	<0.05
1223383	4.6	7.1	<0.1	0.6	10.6	8.8	31	9.4	2.9	95	1.43	7	0.3	0.1	0.07	0.039	16	0.23	52	0.9	0.03	<0.05
1223384	2.6	9.3	<0.1	0.7	18.5	12.4	46	14.5	5.7	190	1.94	8	0.4	0.1	0.08	0.04	19	0.34	99	1.1	0.02	<0.05
1223385	1.5	7	<0.1	0.7	10.2	7.8	36	10.5	3.5	95	1.48	7	0.3	0.1	0.07	0.03	16	0.27	54	0.83	0.02	<0.05
1223386	1.6	8.1	<0.1	0.5	12.7	9.1	36	11.3	3.5	94	1.52	7	0.4	0.1	0.09	0.036	17	0.26	61	0.91	0.02	<0.05
1223387	9.2	9.4	<0.1	0.6	13.3	8.4	39	12.1	3.6	108	1.85	8	0.4	0.1	0.1	0.041	19	0.28	64	1.02	0.06	<0.05
1223388	1.8	9.2	<0.1	0.7	17.1	10.5	39	11.9	3.8	123	1.76	7	0.4	0.2	0.08	0.035	17	0.3	66	0.94	0.03	<0.05
1223389	0.8	6.2	<0.1	0.5	11.4	10.1	19	5.5	1.6	47	1.15	6	0.2	0.2	0.05	0.039	15	0.15	50	0.85	0.03	<0.05
1223390	4.9	11.4	<0.1	0.6	10.1	9.5	37	10.6	3.3	90	1.76	8	0.3	0.1	0.09	0.042	17	0.27	56	0.9	0.03	<0.05
1223391	2.6	9.2	<0.1	0.5	9.5	10.8	33	10.3	3.1	87	1.54	8	0.3	0.1	0.08	0.034	16	0.26	87	0.86	0.03	<0.05
1223392	5.7	12	<0.1	0.8	19.4	13.1	50	15.3	6.3	233	1.97	8	0.5	0.2	0.07	0.039	18	0.33	97	1.02	0.01	<0.05
1223393	1.4	11.5	<0.1	1	20.9	10.7	49	16.2	5.6	215	2.07	9	0.6	0.1	0.09	0.054	19	0.31	94	1	0.04	<0.05
1223394	3	9.5	<0.1	0.7	16.4	9.7	43	14.1	5.5	185	1.92	9	0.4	0.1	0.09	0.052	18	0.29	86	1.04	0.03	<0.05
1223395	<0.5	8.8	<0.1	0.6	11.6	10	34	10.9	3.8	113	1.5	7	0.3	0.1	0.06	0.039	16	0.22	79	0.85	0.03	<0.05
1223396	1.6	9.1	<0.1	0.7	12.7	11.1	38	13.4	4.1	120	1.7	7	0.3	0.1	0.07	0.034	18	0.25	73	0.95	0.03	<0.05
1223397	7.9	7.4	<0.1	0.9	10.1	9.7	30	10.8	3	80	1.37	7	0.3	0.1	0.06	0.034	16	0.21	61	0.92	0.03	<0.05
1223398	0.6	9.7	<0.1	0.6	17	9.2	45	15.1	5.3	176	1.99	7	0.4	0.1	0.09	0.043	19	0.33	92	1.14	0.03	<0.05
1223399	2.5	6.6	<0.1	0.6	13.4	9.8	27	8.7	2.7	70	1.21	8	0.3	0.2	0.06	0.044	14	0.18	86	0.8	0.05	<0.05
1223400	3.2	9.2	<0.1	0.6	14.9	11.1	41	13.7	4.8	185	1.74	8	0.5	0.2	0.08	0.031	18	0.28	77	0.95	0.04	<0.05
1223651	5.5	26.9	<0.1	0.8	19.4	13	47	16.6	6.4	193	1.9	6	0.4	0.2	0.07	0.031	19	0.31	85	1.08	0.04	<0.05
1223652	2.4	12.6	<0.1	0.9	11.9	12.6	40	12.8	5.1	159	1.77	7	0.4	0.1	0.07	0.035	17	0.24	68	0.87	0.03	<0.05
1223653	2.2	10.6	<0.1	0.8	11.9	10	39	13.1	5.2	128	1.9	7	0.4	0.2	0.07	0.033	18	0.24	82	1.11	0.04	<0.05
1223654	2.8	10.6	<0.1	0.7	13.2	18.1	40	12.5	4.9	123	1.93	8	0.4	0.2	0.09	0.038	21	0.27	98	1.23	0.04	<0.05
1223655	7.4	8.8	<0.1	0.7	11.9	11.3	32	10.6	4.1	112	1.93	7	0.3	0.2	0.07	0.04	19	0.23	105	1.14	0.03	<0.05
1223656	1.9	9.2	<0.1	0.8	14.9	10.2	39	12.6	4.4	123	1.93	8	0.4	0.2	0.1	0.039	19	0.26	89	1.11	0.05	<0.05
1223657	2.3	10.9	<0.1	0.6	14.7	10.3	37	13.2	4.4	128	1.91	8	0.3	0.1	0.07	0.036	17	0.24	94	1.03	0.03	<0.05
1223658	0.9	10.1	<0.1	0.7	12	10	32	9.5	3.2	88	1.44	7	0.3	0.2	0.06	0.041	17	0.22	84	1.02	0.02	<0.05
1223659	4.9	17.9	0.9	0.8	27.4	163.3	77	24.6	10.4	417	2.46	14	0.5	0.2	0.15	0.038	24	0.3	133	1.44	0.06	<0.05
1223660	6.7	10.9	0.1	0.7	12.2	15.3	46	12.1	4	154	1.66	9	0.4	0.1	0.1	0.043	15	0.18	89	0.74	<0.01	<0.05
1223661	0.6	9	0.3	0.6	12.7	11.3	57	9	3	159	1.14	10	0.3	0.2	0.08	0.053	12	0.13	133	0.55	0.04	<0.05
1223662	4.9	56.6	0.1	0.7	6.6	11	16	6.6	2	58	0.66	6	0.2	0.1	0.04	0.013	10	0.07	46	0.43	0.02	<0.05
1223663	3.3	14.7	0.2	1.1	20.1	47.9	72	19.9	8.2	199	2.46	9	0.4	0.3	0.1	0.043	22	0.3	115	1.26	0.02	<0.05
1222651	3.6	10.3	0.1	0.7	8.2	17.1	34	9.4	3.4	151	1.81	10	0.5	0.2	0.09	0.041	16	0.24	67	0.87	0.05	<0.05
1222652	1.4	14.1	0.2	0.9	25.6	19.6	62	22	12.6	769	2.95	14	0.9	0.3	0.12	0.063	22	0.46	239	1.43	0.04	<0.05
1222653	3.4	18.6	0.4	0.8	25.1	23.4	64	23.8	7.9	252	2.63	12	0.5	0.3	0.11	0.052	25	0.48	177	1.58	0.04	<0.05
1222654	3.3	13.3	0.2	1	28.7	15.9	66	22.4	7.9	256	2.64	11	0.6	0.2	0.11	0.06	25	0.45	165	1.56	0.03	<0.05
1222655	0.9	13.5	0.3	0.9	26.7	16.4	62	20.5	10.8	455	2.37	10	0.5	0.2	0.09	0.059	23	0.4	146	1.41	0.03	<0.05
1222656	25	12.4	0.2	0.9	27.5	13.3	68	22.9	10.3	341	2.24	12	0.7	0.2	0.15	0.074	22	0.37	112	1.1	0.02	0.06
1222657	1.5	13.6	<0.1	1	18.8	14.7	53	15.6	5.5	193	2.22	9	0.6	0.2	0.09	0.061	23	0.37	104	1.16	0.02	0.08
1222658	1.3	11.1	0.1	0.8	19.3	11.5	45	14.6	4.9	145	2	10	0.5	0.2	0.1	0.066	22	0.32	95	1.16	0.05	0.06
1222659	<0.5	14.7	0.2	1	26.5	15.3	61	19.6	7.3	240	2.41	11	0.6	0.2	0.13	0.058	23	0.4	100	1.27	0.03	<0.05
1222660	6.1	12.4	0.1	0.8	28	12.5	62	21.3	9.2	333	2.5	13	0.7	0.2	0.12	0.058	24	0.42	110	1.23	<0.01	0.05
1222661	1.2	14.5	0.1	0.8	24.4	11.8	57	18.5	8.3	278	2.17	10	0.6	0.1	0.11	0.055	21	0.4	106	1.21	0.02	<0.05
1222662	0.5	11.3	<0.1	1	17.4	10.1	57	16.8	6.5	205	2.02	9	0.6	0.2	0.11	0.059	23	0.38	97	1.36	0.04	<0.05
1222663	7.2	11.4	0.1	0.9	22.4	10.2	59	19.7	7.5	270	2.2	10	0.6	0.1	0.11	0.06	24	0.38	108	1.4	0.04	<0.05
1222664	<0.5	12	<0.1	1	19.4	10.9	50	15.8	6	171	2.2	9	0.5	0.2	0.1	0.063	22	0.36	109	1.38	0.02	<0.05
1222665	3	12.3	0.1	1.1	26.6	11.8	56	17.9	8.2	267	2.5	13	0.6	0.3	0.12	0.049	24	0.48	138	1.33	0.02	<0.05
1222666	1.2	18.7	<0.1	0.8	21.9	16.6	54	18.9	7.3	253	2.03	12	0.6	0.2	0.15	0.058	19	0.39	83	1.01	0.01	<0.05
1222667	2.3	21.4	0.1	1.1	29.7	13.3	57	20.2	7.1	180	2.67	12	0.6	0.2	0.08	0.044	26	0.47	107	1.56	0.03	<0.05
1222668	3.1	13.4	<0.1	1.2	9.8	12	29	9	3.6	109	2.07	8	0.5	0.2	0.05	0.03	18	0.22	100	1.21	0.03	<0.05

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Element	Au	As	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	Sr	Sb	Bi	Ca	P	Cr	Mg	Ba	Al	Hg	S
Unit	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	%	%	PPM	%	PPM	%	PPM	%
DL	0.5	0.5	0.1	0.1	0.1	0.1	1	0.1	0.1	1	0.01	1	0.1	0.1	0.01	0.001	1	0.01	1	0.01	0.01	0.05
Sample ID																						
1222669	1.6	13.4	0.1	1.1	18.1	16.7	27	11.8	4.1	74	2.1	10	0.4	0.2	0.07	0.067	21	0.21	164	1.46	0.05	<0.05
1222670	2.2	17.6	0.1	1	27.1	22.1	59	14.4	6.2	173	2.95	14	0.5	0.4	0.07	0.051	22	0.53	105	1.72	0.01	<0.05
1222671	4	33.3	<0.1	0.9	19.5	16.3	44	14.3	5.3	177	2.78	11	0.6	0.3	0.08	0.042	23	0.35	76	1.28	0.04	<0.05
1222672	5.3	223.1	0.7	1.6	22.9	22.2	35	7.3	3	122	2.46	13	0.5	0.4	0.03	0.047	17	0.29	51	0.88	0.04	<0.05
1222673	2.2	12.9	0.2	1.1	31.6	17.4	58	15	6.1	179	2.98	13	0.5	0.4	0.05	0.053	25	0.5	101	1.63	0.03	<0.05
1222674	2.9	14.5	<0.1	1.4	19.8	19.9	57	16	6.9	267	2.9	12	0.7	0.3	0.09	0.054	25	0.4	97	1.51	0.02	<0.05
1222675	10.5	17.9	0.3	1.1	37.8	24.2	66	21.1	9.7	284	3.09	15	0.7	0.4	0.11	0.055	25	0.5	148	1.55	0.03	<0.05
1222676	2.6	13.4	<0.1	1	32.3	16.9	66	20.5	8.6	199	3.25	11	0.6	0.3	0.07	0.041	27	0.51	140	1.67	0.02	<0.05
1222677	2.9	12.2	<0.1	1	25.4	15.9	55	18.6	8	183	2.61	10	0.5	0.2	0.1	0.047	25	0.4	168	1.58	0.02	<0.05
1222678	1.6	6.8	0.5	1	21.2	27.4	30	15.5	4	65	1.36	19	0.3	0.2	0.14	0.084	15	0.18	340	0.94	0.11	0.09
1222679	0.7	10.2	<0.1	1.1	23.5	14.1	67	24.3	8.7	239	2.72	12	0.6	0.2	0.13	0.054	25	0.51	135	1.34	<0.01	<0.05
1222680	1.4	11.8	<0.1	0.8	21.4	24.8	63	21.3	8.9	238	2.69	9	0.6	0.2	0.06	0.033	24	0.45	84	1.39	0.03	<0.05
1222681	4.7	9.2	0.1	0.9	39.7	22.6	75	25	10.5	178	3.91	10	0.5	0.3	0.04	0.032	29	0.62	106	1.93	0.02	<0.05
1222682	0.8	10.9	0.3	1.2	13	14.6	33	10	4.7	154	2.97	7	0.6	0.2	0.06	0.036	23	0.25	90	1.51	0.04	<0.05
1222683	1.6	16.8	0.1	1.7	20.6	24.5	59	21.5	11.2	448	2.78	8	0.7	0.2	0.09	0.06	28	0.35	80	1.24	0.05	<0.05
1222684	<0.5	12.6	0.1	0.8	18.4	14.4	63	24.8	9.7	241	2.99	8	0.6	0.2	0.08	0.028	26	0.51	115	1.62	0.03	<0.05
1222685	<0.5	12.9	<0.1	0.8	24.9	16.4	76	30.8	14.2	267	3.45	11	0.4	0.2	0.07	0.036	30	0.62	100	1.98	0.02	<0.05
1222686	0.9	15.6	<0.1	1.1	24.6	13.3	62	28.8	12.5	291	3	9	0.6	0.2	0.08	0.036	27	0.5	132	1.84	0.04	<0.05
1222687	1.3	14.4	0.1	1.1	15	33.7	51	14	5.5	202	2.82	7	0.8	0.4	0.06	0.029	21	0.26	88	1.31	0.04	<0.05
1222688	<0.5	9.3	0.1	0.7	19.6	16.4	61	23.7	10.7	219	2.61	11	0.3	0.2	0.09	0.037	25	0.43	136	1.59	0.04	<0.05
1222689	1.4	22.5	<0.1	1.3	18.9	14.8	59	25.6	11.5	299	3.17	9	0.7	0.2	0.08	0.03	28	0.45	144	1.85	0.04	<0.05
1222690	1.1	15.4	<0.1	1.1	26	12.7	71	34.1	12.5	336	3.2	12	0.6	0.2	0.1	0.034	30	0.49	280	2.22	0.04	<0.05
1222691	0.9	10.1	<0.1	1.2	14.9	11.4	37	14.9	5.5	148	2.24	8	0.6	0.3	0.06	0.026	20	0.24	95	1.35	0.04	<0.05
1222692	<0.5	31.5	<0.1	0.7	42.2	20.6	95	44.6	19	376	4.25	14	0.4	0.4	0.06	0.029	43	0.77	201	3.24	0.02	0.07
1222693	1.8	11.1	<0.1	1.1	11.5	11.3	40	14.7	6.4	173	2.47	10	0.7	0.3	0.08	0.037	20	0.28	103	1.37	0.07	0.09
1222694	1.9	10.5	<0.1	1.3	22	13.1	71	26.7	9.3	377	3.22	12	0.7	0.3	0.11	0.039	28	0.39	224	1.95	0.05	0.09
1222695	1.3	12.7	<0.1	1.1	12.6	16.2	44	15.4	5.8	214	2.51	7	0.6	0.3	0.07	0.024	24	0.3	81	1.43	0.04	0.07
1222696	0.8	7.1	<0.1	1	14.7	12.2	37	14.4	5.6	178	1.93	9	0.5	0.2	0.08	0.041	23	0.27	142	1.23	0.04	0.1
1222697	<0.5	12.8	<0.1	1	14.1	11	49	18.9	8.2	252	2.53	9	0.8	0.2	0.07	0.028	22	0.34	93	1.44	0.03	0.08
1222698	<0.5	14.1	<0.1	1.1	19.4	10.6	69	24.8	8.8	214	3.4	12	0.6	0.2	0.09	0.029	31	0.46	118	1.7	0.03	0.18
1222699	<0.5	15.3	0.1	1.5	20.7	15.6	73	20.2	6.5	226	3.4	12	0.8	0.3	0.08	0.036	27	0.34	107	1.54	0.03	0.21
1222700	2.2	10.6	<0.1	1.3	15.1	14.2	36	12.3	4.7	190	2.05	11	1.2	0.2	0.09	0.025	19	0.17	192	1.13	0.04	0.11
1223901	2.4	16.8	<0.1	1.2	18.5	14.2	54	17.7	5.9	225	2.87	10	0.7	0.2	0.06	0.028	22	0.29	125	1.16	0.02	<0.05
1223902	1.9	54	0.1	1.5	25.6	17	61	20.9	7.2	184	3.73	11	0.5	0.4	0.06	0.03	31	0.4	82	1.78	0.03	<0.05
1223903	<0.5	20.8	<0.1	0.9	15.2	14.6	51	17.4	8.6	251	2.73	10	0.6	0.3	0.07	0.027	22	0.32	98	1.35	0.03	<0.05
1223904	0.6	11.9	0.1	0.6	19.8	24.4	79	30	11.6	307	3.19	22	0.3	0.4	0.17	0.031	41	0.5	124	2.47	0.03	<0.05
1223905	<0.5	13.7	0.4	1.4	12.7	21.7	51	17.8	7.5	173	2.93	10	0.6	0.2	0.08	0.027	24	0.29	131	1.54	0.02	<0.05
1223906	3.5	12.9	<0.1	0.9	37.7	15.9	79	35	14.2	229	3.85	11	0.5	0.2	0.09	0.031	37	0.54	157	2.58	0.03	<0.05
1223907	0.5	11.8	<0.1	0.9	19.7	12.8	56	19.8	8.3	229	3.01	11	0.6	0.2	0.11	0.043	26	0.4	124	1.55	0.03	<0.05
1223908	3.3	29.5	<0.1	1.3	18	23.2	57	18.4	6.4	209	3.13	11	0.6	0.3	0.09	0.044	27	0.38	98	1.31	<0.01	<0.05
1223909	<0.5	23.9	<0.1	1.2	19.9	28	66	19	6.7	224	2.8	10	0.5	0.3	0.08	0.048	24	0.34	91	1.29	0.01	<0.05
1223910	<0.5	23.2	0.1	1	19.9	33.4	63	23.5	8.5	206	2.75	18	0.5	0.3	0.14	0.032	26	0.4	136	1.57	0.04	<0.05
1223911	<0.5	15.4	0.2	1.1	24.4	19.4	73	33.1	16	252	3.05	11	0.7	0.2	0.11	0.029	30	0.45	127	1.79	0.03	<0.05
1223912	4.2	12	<0.1	1	25.4	16.2	73	36.5	17.6	379	3.18	12	0.7	0.2	0.1	0.031	33	0.52	182	1.82	0.03	<0.05
1223913	<0.5	10.7	<0.1	0.8	22.1	11.8	57	20.7	8.9	253	2.55	9	0.5	0.2	0.08	0.039	26	0.42	152	1.59	0.02	<0.05
1223914	2.9	5.2	<0.1	0.7	15.8	11.3	24	9.9	2.9	73	1.57	10	0.3	0.1	0.08	0.141	19	0.17	125	1.09	<0.01	<0.05
1223915	<0.5	24.4	<0.1	1.1	21.8	17.1	66	27	8.3	227	3.35	8	0.5	0.2	0.07	0.023	34	0.47	193	2.1	0.02	<0.05
1223916	2	10.1	0.2	1.2	23.8	20.8	40	14.4	5.5	159	2.32	8	0.4	0.4	0.05	0.024	18	0.25	82	1.29	<0.01	<0.05
1223917	3.7	9.8	<0.1	0.9	15.9	16.4	45	13.9	5.5	190	2.17	9	0.5	0.2	0.07	0.037	22	0.32	99	1.32	<0.01	<0.05
1223918	<0.5	12.3	<0.1	0.9	14.6	19.5	55	19.1	7.1	252	2.68	9	0.6	0.3	0.07	0.036	27	0.44	133	1.77	0.03	<0.05
1223919	<0.5	10	<0.1	0.8	12.6	12.9	45	14.2	5.2	173	2.19	9	0.5	0.3	0.07	0.036	25	0.39	114	1.45	0.04	<0.05
1223920	15	10.9	<0.1	1	15.3	10.4	52	17.8	8.3	328	2.38	9	0.6	0.2	0.07	0.037	25	0.44	119	1.62	0.03	<0.05
1223921	0.7	14.4	<0.1	1.1	18	12.6	55	18.2	6.3	193	2.92	10	0.6	0.3	0.06	0.026	27	0.47	114	1.76	0.03	<0.05
1223922	2.6	11.2	<0.1	1.1	17.1	14.4	47	15.7	5.9	169	2.66	9	0.5	0.3	0.05	0.028	26	0.45	112	1.68	0.03	<0.05

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Element	Au	As	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	Sr	Sb	Bi	Ca	P	Cr	Mg	Ba	Al	Hg	S
Unit	PPB	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	%	%	PPM	%	PPM	%	PPM	%
DL	0.5	0.5	0.1	0.1	0.1	0.1	1	0.1	0.1	1	0.01	1	0.1	0.1	0.01	0.001	1	0.01	1	0.01	0.01	0.05
Sample ID																						
1223923	<0.5	9.9	<0.1	0.8	16.4	9.9	47	17.4	7.8	240	2.5	9	0.6	0.2	0.06	0.031	23	0.41	99	1.35	0.02	<0.05
1223924	<0.5	9.9	<0.1	0.8	18.2	10.4	51	18.7	8.2	245	2.55	11	0.6	0.2	0.09	0.048	24	0.45	102	1.35	0.02	<0.05
1223925	<0.5	9.2	<0.1	0.9	9	11.6	32	9.6	3.5	114	2.13	9	0.4	0.2	0.07	0.063	20	0.28	99	1.14	0.02	<0.05
1223926	2.2	18.3	<0.1	1	19.5	11.9	58	22.7	8.4	203	2.67	12	0.6	0.3	0.06	0.019	30	0.49	146	1.82	0.02	<0.05
1223927	1.3	11.1	<0.1	0.9	14.1	12.2	45	14.8	5.9	173	2.43	10	0.6	0.2	0.06	0.027	24	0.42	126	1.46	0.04	<0.05
1223928	5.9	11	<0.1	0.9	17.5	11.3	46	16	7	202	2.48	8	0.7	0.2	0.06	0.02	24	0.4	114	1.43	0.03	<0.05
1223929	1.3	9.4	<0.1	0.9	25.2	13.6	58	22.4	10.4	274	2.74	12	0.6	0.2	0.07	0.022	28	0.51	162	1.75	0.04	<0.05
1223930	3.4	8.1	<0.1	0.8	31.5	14.3	68	25.7	12.3	267	3.15	13	0.5	0.2	0.05	0.025	30	0.56	182	1.93	<0.01	<0.05
1223931	<0.5	7.9	<0.1	0.9	27.9	12.1	61	21.6	10.5	235	3.01	12	0.6	0.2	0.05	0.022	27	0.52	127	1.77	0.01	<0.05
1223932	1.2	8.8	<0.1	0.8	28.3	12.3	63	21.8	10.1	255	2.73	12	0.5	0.2	0.06	0.021	26	0.53	207	1.56	<0.01	<0.05
1223933	<0.5	12.2	<0.1	0.8	27.1	10.9	52	17.3	9	307	2.42	9	0.8	0.2	0.06	0.03	25	0.43	142	1.28	0.04	<0.05
1223934	0.5	15.1	<0.1	0.9	12.2	11.4	39	13.4	5.4	139	2.35	8	0.6	0.2	0.06	0.036	23	0.37	105	1.41	0.02	<0.05
1223935	0.5	12.1	<0.1	0.9	22.4	11.6	63	20.9	11.6	327	2.55	10	0.7	0.2	0.07	0.022	28	0.46	143	1.6	0.04	<0.05
1223936	2.5	12.7	<0.1	0.9	20.2	11.5	52	17.3	7.6	227	2.61	7	0.7	0.2	0.05	0.013	26	0.42	120	1.33	0.05	<0.05
1223937	2.8	16.3	<0.1	1.1	21.1	11.9	60	20	9.1	276	2.6	9	1	0.2	0.06	0.018	27	0.46	143	1.51	0.02	<0.05
1223938	<0.5	15.7	<0.1	0.8	24.6	12.2	57	22.7	9.4	234	2.58	10	0.8	0.2	0.06	0.015	26	0.44	159	1.61	0.02	<0.05
1223939	<0.5	29.6	<0.1	1.1	24.9	13.3	56	20.8	9.9	294	2.81	10	0.8	0.2	0.06	0.02	28	0.44	141	1.75	0.01	<0.05
1223940	4.1	25.3	<0.1	0.8	19.3	12.7	47	17.3	8.6	255	2.56	8	0.7	0.3	0.06	0.018	22	0.42	130	1.38	<0.01	<0.05
1223941	1.1	14.7	<0.1	0.8	29.2	11.6	55	19.4	9.5	302	2.46	11	0.8	0.2	0.06	0.019	24	0.43	162	1.31	0.03	<0.05
1223942	0.9	12.6	<0.1	0.7	23.1	13.6	50	15.6	6.8	204	2.6	11	0.5	0.3	0.06	0.021	22	0.44	160	1.38	0.02	<0.05
1223943	<0.5	10.3	<0.1	0.8	19.7	10.9	49	15.7	6.1	175	2.2	10	0.6	0.2	0.07	0.022	23	0.39	146	1.33	0.02	<0.05
1223944	0.9	10.6	<0.1	0.8	18.4	10.8	47	14.2	6.2	191	2.17	10	0.5	0.2	0.08	0.035	22	0.39	152	1.39	0.03	<0.05
1223945	<0.5	11.7	<0.1	0.8	24.7	9.9	49	18.3	8.6	314	2.24	13	0.7	0.2	0.1	0.022	23	0.38	264	1.1	0.02	<0.05
1223946	<0.5	11.9	<0.1	0.6	19.7	9.7	47	13.3	6.5	188	2.38	9	0.5	0.2	0.06	0.024	19	0.34	108	1.15	0.01	<0.05
1223947	<0.5	13.7	<0.1	0.9	24.3	9.9	52	18.8	7	275	2.22	19	0.7	0.1	0.18	0.035	21	0.38	262	1.18	0.02	<0.05
1223948	2.2	12.7	<0.1	0.6	14.9	9.4	38	13.2	5	155	2.04	10	0.5	0.2	0.08	0.037	19	0.31	144	1.12	0.03	<0.05
1223949	1.5	12.7	<0.1	0.8	23.6	10.4	50	19.2	7.9	232	2.33	10	0.7	0.2	0.07	0.02	24	0.4	201	1.28	0.04	<0.05
1223950	<0.5	75.7	<0.1	0.7	23.9	10.9	55	18.7	10	208	2.64	8	0.5	0.2	0.04	0.02	19	0.35	110	1.17	<0.01	<0.05
1223951	<0.5	15.6	<0.1	0.8	16.6	9.5	44	13.7	5.6	161	2.15	8	0.5	0.2	0.06	0.019	20	0.35	125	1.28	<0.01	<0.05
1223952	5.2	15.3	<0.1	0.8	18	8.6	44	14.5	6.4	175	2.08	11	0.5	0.2	0.09	0.028	19	0.34	143	1.17	0.03	<0.05
1223953	1.6	14.3	<0.1	0.7	14.5	9.4	42	13.5	5.2	140	2.04	11	0.5	0.2	0.1	0.044	19	0.33	135	1.13	0.01	<0.05
1223954	1.8	29.9	<0.1	0.7	24.9	10.9	56	17.3	8.5	179	2.34	13	0.5	0.2	0.07	0.022	20	0.37	160	1.16	0.02	<0.05
1223955	1.8	18.2	<0.1	0.7	20.9	11.5	48	14	6.6	201	2.36	11	0.6	0.2	0.09	0.028	23	0.36	166	1.35	0.02	<0.05
1223956	3.9	136.6	0.1	0.8	33.7	26.3	59	16.7	8.7	194	2.81	16	0.6	0.8	0.07	0.025	23	0.38	156	1.25	0.01	<0.05
1223957	2.1	13.4	<0.1	0.6	27.3	11.1	53	18.7	9.1	241	2.43	11	0.7	0.2	0.09	0.026	25	0.37	233	1.28	0.04	<0.05
1223958	3.6	40.2	0.5	1	24.1	24.1	57	23	10.8	194	2.91	10	0.6	0.4	0.06	0.017	32	0.39	197	1.99	0.03	<0.05
1223959	1	47.6	0.1	1	24.6	14.4	58	19.8	8.3	185	2.94	11	0.6	0.3	0.05	0.021	24	0.42	109	1.52	0.01	<0.05
1223960	5.1	206.7	0.3	1.1	27.8	18	55	16.7	6.5	171	3.14	10	0.4	0.4	0.04	0.031	23	0.42	90	1.41	0.01	<0.05
1223961	2.9	14.2	0.1	0.8	32.3	10.8	51	20.9	8.2	190	2.55	16	0.8	0.2	0.13	0.021	27	0.38	226	1.22	0.04	<0.05
1223962	4	17.6	0.2	0.9	42.4	14.6	58	18.6	6.9	177	3.49	12	0.5	0.4	0.06	0.02	30	0.56	191	1.84	0.03	<0.05
1223963	0.9	23.7	0.1	1	35.2	21.6	85	27.7	11.2	209	3.31	11	0.5	0.2	0.06	0.023	27	0.54	149	1.82	0.02	<0.05
1223964	4.6	15.6	0.3	0.6	17.3	14.1	47	18.6	8.6	177	2.05	17	0.4	0.2	0.19	0.052	20	0.35	224	1.32	0.04	<0.05

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Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: August 11, 2011
Report Date: November 12, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI11001045.1

CLIENT JOB INFORMATION

Project: LUG+TS
Shipment ID: LUGTS(43-61)
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	320	Saving all or part of Soil Reject			WHI
1DX2	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Goldspike Exploration Inc.
56th Floor - 100 King Street West
Toronto ON M5X 1C9
Canada

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1205451	Soil	0.6	19.8	24.1	60	0.3	14.0	5.7	189	2.11	18.5	2.8	4.6	18	0.3	0.3	0.4	22	0.09	0.044	16
1205452	Soil	0.8	16.3	19.1	51	0.2	13.2	5.0	163	2.03	36.4	3.0	5.0	16	0.2	0.4	0.3	23	0.07	0.030	18
1205453	Soil	0.8	14.7	18.4	56	0.2	14.3	5.7	192	2.08	25.4	2.5	5.0	16	0.2	0.4	0.3	25	0.08	0.032	20
1205454	Soil	0.8	13.4	11.9	45	<0.1	12.5	4.7	168	1.89	19.4	23.6	0.8	10	0.1	0.5	0.2	31	0.10	0.042	14
1205455	Soil	0.8	13.0	10.1	42	<0.1	12.7	4.4	146	1.74	15.1	14.3	0.8	10	<0.1	0.6	0.2	29	0.10	0.044	12
1205456	Soil	0.7	14.0	10.5	44	<0.1	13.7	4.9	164	1.88	18.2	10.6	0.9	11	0.1	0.5	0.2	31	0.11	0.044	14
1205457	Soil	0.8	12.2	10.4	45	<0.1	13.3	5.0	174	1.89	17.5	12.1	2.8	10	0.1	0.6	0.2	31	0.10	0.042	14
1205458	Soil	0.7	11.1	10.1	38	<0.1	11.2	3.9	115	1.71	15.1	4.2	0.5	9	0.1	0.5	0.2	30	0.08	0.039	12
1205459	Soil	0.6	18.0	10.2	54	<0.1	16.4	6.6	215	1.95	15.8	3.7	3.0	13	0.2	0.6	0.2	28	0.13	0.050	16
1205460	Soil	0.9	12.8	11.5	47	<0.1	13.8	5.4	171	2.05	21.5	6.4	0.8	9	0.1	0.4	0.2	30	0.08	0.041	15
1205461	Soil	0.8	13.3	10.5	45	0.1	13.2	4.5	134	1.90	22.1	3.8	0.9	9	0.2	0.5	0.2	28	0.07	0.039	15
1205462	Soil	0.7	9.7	9.4	38	<0.1	10.9	3.6	123	1.76	20.1	4.2	3.0	8	0.1	0.5	0.2	28	0.07	0.027	15
1205463	Soil	0.8	14.8	11.9	47	<0.1	14.2	5.1	190	1.99	30.1	15.1	3.3	10	0.2	0.5	0.2	34	0.08	0.032	16
1205464	Soil	0.6	15.8	11.8	46	<0.1	13.8	4.8	167	1.92	28.6	5.7	3.0	9	0.1	0.6	0.2	29	0.10	0.041	15
1205465	Soil	0.8	14.6	11.8	43	<0.1	13.7	4.6	168	1.98	22.9	2.9	0.9	8	0.1	0.5	0.2	35	0.07	0.038	14
1205466	Soil	1.1	14.4	12.2	48	<0.1	14.8	6.2	182	2.40	16.2	4.5	5.2	11	<0.1	0.7	0.2	44	0.08	0.023	14
1205467	Soil	0.8	13.9	9.5	40	<0.1	16.2	6.5	153	2.15	14.9	5.2	4.2	8	0.1	0.9	0.2	36	0.06	0.025	11
1205468	Soil	0.7	13.2	9.2	42	0.3	16.6	5.2	169	2.15	17.9	18.0	4.5	9	<0.1	0.6	0.2	36	0.06	0.019	14
1205469	Soil	1.3	13.8	21.2	66	0.3	21.8	6.7	431	2.31	10.0	3.1	5.6	28	0.2	0.5	0.2	37	0.18	0.034	16
1222250	Soil	0.8	14.5	13.9	55	0.2	16.4	7.5	267	2.38	10.3	2.0	4.6	10	0.2	0.7	0.2	46	0.08	0.017	12
1222251	Soil	0.9	15.0	18.2	49	0.1	15.6	7.0	259	2.31	11.4	1.9	4.7	9	<0.1	0.8	0.2	42	0.06	0.017	14
1222252	Soil	1.0	25.6	14.6	58	<0.1	22.5	8.3	268	2.66	13.8	2.0	6.2	11	<0.1	1.3	0.2	46	0.07	0.015	16
1222253	Soil	0.8	19.5	10.6	48	<0.1	18.1	6.5	188	2.11	10.6	7.2	5.3	9	<0.1	1.5	0.2	33	0.06	0.011	15
1222254	Soil	1.0	8.2	12.9	44	<0.1	11.1	5.5	273	2.42	11.5	1.8	3.2	8	0.1	0.6	0.2	49	0.07	0.060	12
1222255	Soil	1.2	19.7	16.5	51	<0.1	20.6	7.8	234	2.74	20.5	7.2	4.4	7	<0.1	1.5	0.2	40	0.05	0.032	20
1222256	Soil	0.8	12.0	11.2	42	<0.1	14.5	5.6	184	2.08	13.7	1.9	4.4	8	<0.1	0.7	0.2	41	0.06	0.017	14
1222257	Soil	0.9	14.5	11.0	47	<0.1	17.7	7.0	219	2.27	10.5	3.3	4.9	11	<0.1	0.8	0.2	44	0.07	0.015	14
1222258	Soil	0.8	21.5	11.7	53	<0.1	20.2	6.9	254	2.50	10.9	3.3	7.3	10	<0.1	0.9	0.2	32	0.07	0.015	23
1222259	Soil	0.8	24.0	13.5	52	<0.1	20.8	7.4	262	2.44	10.5	14.2	7.0	11	<0.1	1.1	0.2	34	0.08	0.017	22
1222260	Soil	0.9	24.5	13.4	53	<0.1	18.8	8.3	272	2.50	11.8	2.2	6.0	13	<0.1	1.0	0.2	38	0.11	0.025	20

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Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1205451	Soil		18	0.42	121	0.012	1	1.07	0.006	0.03	0.1	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1205452	Soil		16	0.33	80	0.019	1	0.85	0.007	0.03	0.2	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1205453	Soil		20	0.44	99	0.014	1	1.12	0.008	0.04	0.2	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1205454	Soil		20	0.34	98	0.022	1	1.11	0.006	0.04	0.2	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
1205455	Soil		18	0.32	100	0.020	1	1.03	0.005	0.03	0.2	0.03	1.0	<0.1	<0.05	3	<0.5	<0.2
1205456	Soil		18	0.35	146	0.019	<1	1.06	0.005	0.04	0.2	0.04	1.1	<0.1	<0.05	3	0.5	<0.2
1205457	Soil		20	0.35	107	0.028	<1	1.14	0.006	0.04	0.2	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1205458	Soil		18	0.31	99	0.018	<1	1.03	0.005	0.03	0.2	0.04	0.8	<0.1	<0.05	3	<0.5	<0.2
1205459	Soil		19	0.40	161	0.028	<1	1.08	0.006	0.04	0.2	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1205460	Soil		20	0.34	113	0.016	<1	1.13	0.005	0.03	0.3	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1205461	Soil		18	0.34	99	0.014	<1	1.13	0.005	0.04	0.2	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1205462	Soil		16	0.29	83	0.024	<1	1.00	0.004	0.03	0.3	0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
1205463	Soil		20	0.34	135	0.027	1	1.20	0.005	0.04	0.2	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1205464	Soil		19	0.33	114	0.024	<1	1.15	0.004	0.04	0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1205465	Soil		20	0.33	114	0.021	<1	1.15	0.005	0.04	0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1205466	Soil		27	0.39	134	0.038	<1	1.61	0.006	0.04	0.1	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
1205467	Soil		21	0.32	99	0.033	<1	1.26	0.005	0.04	0.2	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1205468	Soil		21	0.36	92	0.025	1	1.19	0.009	0.04	0.2	0.03	1.6	0.1	<0.05	4	<0.5	<0.2
1205469	Soil		29	0.34	170	0.017	<1	1.15	0.007	0.04	0.2	0.02	3.0	0.1	<0.05	4	<0.5	<0.2
1222250	Soil		26	0.38	215	0.037	<1	1.61	0.009	0.03	0.2	0.02	2.6	0.1	<0.05	4	0.6	<0.2
1222251	Soil		24	0.38	168	0.033	<1	1.39	0.006	0.03	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1222252	Soil		30	0.44	249	0.041	<1	1.70	0.006	0.04	0.2	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
1222253	Soil		22	0.36	173	0.023	<1	1.19	0.005	0.03	0.2	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1222254	Soil		22	0.31	186	0.032	<1	1.36	0.006	0.04	0.2	<0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
1222255	Soil		24	0.33	140	0.023	<1	1.37	0.005	0.04	0.2	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1222256	Soil		21	0.33	135	0.030	<1	1.20	0.005	0.03	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1222257	Soil		26	0.39	199	0.041	<1	1.43	0.007	0.04	0.2	0.01	2.4	<0.1	<0.05	4	<0.5	<0.2
1222258	Soil		23	0.43	167	0.027	<1	1.41	0.007	0.04	0.2	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
1222259	Soil		24	0.42	172	0.038	<1	1.40	0.007	0.04	0.2	0.02	2.9	<0.1	<0.05	4	<0.5	<0.2
1222260	Soil		24	0.42	252	0.038	<1	1.44	0.006	0.04	0.2	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222261	Soil	0.6	23.9	11.5	53	<0.1	17.3	7.2	275	2.20	11.0	3.8	4.2	18	<0.1	0.8	0.2	40	0.19	0.047	16
1222262	Soil	0.9	20.9	11.5	50	<0.1	17.5	6.7	213	2.24	10.7	4.5	5.6	12	<0.1	0.9	0.2	37	0.10	0.028	18
1222263	Soil	0.9	17.5	9.1	46	<0.1	15.5	5.1	172	2.03	9.9	5.0	4.3	10	0.1	1.0	0.2	34	0.08	0.031	19
1222264	Soil	0.9	13.6	10.5	43	<0.1	14.1	4.7	139	1.93	8.7	5.3	3.6	12	<0.1	0.9	0.2	34	0.10	0.026	17
1222265	Soil	0.9	22.3	11.7	47	<0.1	17.4	6.7	210	2.12	9.3	3.1	5.8	12	<0.1	1.0	0.2	35	0.09	0.019	18
1222266	Soil	0.8	20.4	9.9	45	<0.1	15.8	5.5	189	1.98	9.1	2.4	4.8	18	<0.1	0.8	0.2	33	0.19	0.044	17
1222267	Soil	0.7	23.9	10.1	49	<0.1	18.2	6.0	213	2.11	10.5	3.7	4.0	22	<0.1	0.9	0.3	36	0.24	0.049	18
1222268	Soil	0.7	22.6	10.8	49	0.1	19.2	7.3	257	2.10	10.2	2.6	3.6	29	<0.1	0.8	0.2	36	0.35	0.069	15
1222269	Soil	0.6	16.2	8.4	46	<0.1	12.9	4.6	136	1.68	6.6	2.6	2.1	19	0.1	0.5	0.2	35	0.21	0.061	13
1222270	Soil	0.5	17.5	7.8	47	<0.1	14.4	5.3	153	1.78	8.3	0.8	3.5	21	<0.1	0.6	0.2	30	0.26	0.073	14
1222271	Soil	0.7	17.4	9.5	47	<0.1	14.7	5.2	131	1.97	9.1	3.3	2.9	19	<0.1	0.6	0.2	34	0.22	0.062	14
1222272	Soil	0.6	14.0	9.6	41	<0.1	13.7	5.1	159	1.73	7.8	1.1	4.3	14	<0.1	0.6	0.2	33	0.15	0.036	15
1222273	Soil	0.6	19.6	8.4	41	<0.1	16.1	5.9	189	1.75	7.4	1.3	4.6	12	<0.1	0.9	0.1	26	0.12	0.032	17
1222274	Soil	0.6	15.9	9.5	40	<0.1	12.8	5.6	187	1.70	6.6	10.6	5.3	10	<0.1	1.3	0.2	26	0.10	0.021	20
1222275	Soil	0.6	13.9	9.9	40	<0.1	14.6	4.7	129	1.73	7.9	<0.5	4.1	13	<0.1	0.6	0.2	32	0.14	0.035	14
1222276	Soil	0.6	14.8	10.7	41	<0.1	13.6	4.9	138	1.82	8.1	1.9	4.4	12	<0.1	0.6	0.2	33	0.12	0.031	14
1222277	Soil	0.7	11.1	10.9	44	<0.1	12.7	4.5	127	1.77	8.1	2.0	3.1	15	<0.1	0.5	0.2	37	0.16	0.040	14
1222278	Soil	0.6	9.8	9.5	38	<0.1	11.5	3.9	125	1.67	8.0	1.7	3.6	12	<0.1	0.5	0.2	32	0.13	0.030	15
1222279	Soil	0.8	12.3	8.9	44	<0.1	13.7	5.2	194	1.93	7.7	145.5	5.0	12	<0.1	1.5	0.2	28	0.10	0.034	19
1222280	Soil	0.8	27.9	13.4	65	<0.1	21.6	8.4	312	2.66	8.7	1.6	9.7	15	<0.1	2.1	0.3	25	0.14	0.040	28
1222281	Soil	0.6	19.8	11.0	46	<0.1	15.7	6.5	200	1.94	5.7	12.3	8.1	11	<0.1	1.3	0.2	23	0.09	0.023	27
1222282	Soil	0.7	13.0	9.2	46	<0.1	13.9	4.8	163	1.77	5.8	11.8	6.2	11	<0.1	1.0	0.2	24	0.11	0.025	21
1222283	Soil	0.7	12.7	11.8	49	<0.1	15.3	6.1	259	1.91	5.3	1.4	7.1	14	<0.1	0.7	0.2	25	0.14	0.032	26
1222284	Soil	0.8	11.8	9.6	44	<0.1	13.9	5.7	266	1.85	6.4	<0.5	6.3	11	<0.1	0.9	0.2	21	0.12	0.039	24
1222285	Soil	0.7	17.3	12.5	47	<0.1	15.7	7.0	246	2.16	6.0	3.1	8.4	12	<0.1	1.1	0.2	24	0.14	0.024	27
1222286	Soil	0.8	17.6	16.7	54	0.1	20.9	8.5	388	2.52	7.2	2.6	8.7	12	<0.1	0.5	0.3	25	0.16	0.027	33
1222287	Soil	1.0	18.5	16.4	58	<0.1	23.6	9.3	409	2.43	8.5	0.6	8.1	16	<0.1	4.7	0.2	23	0.23	0.038	28
1222288	Soil	1.1	24.1	14.6	58	<0.1	19.9	6.2	278	2.88	5.5	5.4	11.0	16	<0.1	0.8	0.3	20	0.10	0.038	38
1222289	Soil	1.5	48.9	28.7	83	<0.1	26.8	7.9	344	4.06	3.4	1.2	16.6	37	<0.1	1.1	0.7	18	0.13	0.055	34
1222290	Soil	0.8	18.6	13.8	52	<0.1	24.0	7.8	315	2.26	8.6	2.3	7.3	16	<0.1	0.8	0.2	24	0.21	0.028	18

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222261	Soil	24	0.40	341	0.034	<1	1.26	0.008	0.04	0.2	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
1222262	Soil	22	0.37	212	0.033	<1	1.35	0.006	0.03	0.2	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
1222263	Soil	19	0.32	199	0.030	<1	1.24	0.006	0.04	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1222264	Soil	20	0.34	190	0.026	<1	1.24	0.005	0.04	0.2	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1222265	Soil	23	0.37	216	0.032	<1	1.30	0.007	0.04	0.2	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1222266	Soil	21	0.37	261	0.037	<1	1.14	0.006	0.04	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1222267	Soil	22	0.39	382	0.035	1	1.22	0.008	0.04	0.2	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
1222268	Soil	22	0.40	433	0.030	1	1.20	0.009	0.04	0.2	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
1222269	Soil	20	0.35	301	0.027	1	1.26	0.008	0.03	0.2	0.04	2.3	<0.1	<0.05	4	<0.5	<0.2
1222270	Soil	17	0.36	255	0.027	1	0.99	0.007	0.03	0.2	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1222271	Soil	21	0.40	204	0.029	<1	1.24	0.007	0.04	0.2	0.05	2.3	<0.1	<0.05	4	<0.5	<0.2
1222272	Soil	18	0.35	192	0.036	<1	1.09	0.006	0.04	0.2	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
1222273	Soil	18	0.36	132	0.030	7	1.05	0.007	0.04	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1222274	Soil	16	0.30	151	0.028	<1	1.02	0.006	0.04	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1222275	Soil	18	0.36	159	0.031	<1	1.15	0.008	0.03	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1222276	Soil	19	0.36	171	0.031	<1	1.15	0.005	0.05	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1222277	Soil	19	0.37	195	0.035	<1	1.22	0.006	0.04	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1222278	Soil	17	0.32	154	0.035	<1	1.08	0.010	0.04	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1222279	Soil	16	0.29	192	0.019	<1	0.93	0.005	0.04	0.2	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1222280	Soil	19	0.41	224	0.019	<1	1.25	0.007	0.05	0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1222281	Soil	18	0.37	164	0.022	<1	1.09	0.008	0.04	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1222282	Soil	16	0.35	164	0.024	<1	1.07	0.008	0.04	0.2	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1222283	Soil	19	0.37	241	0.018	<1	1.20	0.007	0.05	0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1222284	Soil	15	0.37	148	0.019	<1	0.90	0.009	0.05	0.2	<0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1222285	Soil	18	0.49	189	0.012	<1	1.31	0.006	0.04	0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
1222286	Soil	20	0.66	206	0.008	<1	1.65	0.006	0.06	<0.1	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1222287	Soil	21	0.54	175	0.010	1	1.32	0.006	0.07	0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1222288	Soil	21	0.44	94	0.008	<1	1.26	0.006	0.06	<0.1	0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
1222289	Soil	26	0.59	99	0.007	<1	1.55	0.007	0.07	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1222290	Soil	19	0.34	197	0.011	<1	1.09	0.007	0.05	0.1	<0.01	2.0	<0.1	<0.05	3	<0.5	<0.2

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56th Floor - 100 King Street West
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Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222291	Soil	1.0	24.5	25.6	59	<0.1	27.8	13.3	948	2.80	11.1	1.8	8.7	18	0.3	1.0	0.3	33	0.24	0.031	25
1222292	Soil	0.6	25.6	15.8	61	0.1	27.7	9.8	357	2.60	8.2	2.0	10.7	18	<0.1	0.7	0.2	23	0.26	0.034	33
1222293	Soil	0.8	44.5	47.1	115	0.4	39.4	15.0	558	3.20	9.5	2.9	13.9	26	0.5	1.5	0.3	19	0.32	0.051	39
1222294	Soil	1.0	44.7	39.8	96	0.2	40.9	13.1	414	3.79	10.8	2.3	14.8	32	<0.1	2.3	0.4	15	0.26	0.060	34
1222295	Soil	1.0	31.1	12.6	64	<0.1	22.3	11.1	501	2.59	15.8	4.3	2.5	10	<0.1	0.6	0.3	37	0.08	0.047	23
1222296	Soil	0.6	13.1	16.8	42	<0.1	12.0	4.1	119	1.82	16.5	7.3	1.0	13	0.2	0.6	0.2	34	0.13	0.046	13
1222297	Soil	0.9	17.0	25.9	53	<0.1	16.0	6.0	217	2.23	19.5	5.4	1.6	11	0.3	0.6	0.2	42	0.10	0.041	19
1222298	Soil	0.7	24.2	18.4	73	0.1	23.1	9.7	338	2.32	78.5	3.2	4.2	14	0.2	0.9	0.2	37	0.14	0.036	24
1222299	Soil	0.8	14.9	14.6	50	<0.1	15.9	6.1	212	2.14	21.5	5.4	3.1	11	<0.1	0.8	0.2	36	0.09	0.028	18
1222300	Soil	0.5	22.8	18.5	62	0.2	19.7	8.4	272	2.29	17.8	6.4	5.8	15	<0.1	0.8	0.2	32	0.14	0.035	29
1222301	Soil	1.1	16.7	45.5	110	<0.1	20.6	6.0	260	2.42	72.8	2.4	1.5	8	0.5	0.7	0.2	37	0.06	0.036	27
1222302	Soil	1.0	21.6	22.6	97	<0.1	23.0	10.1	341	2.85	21.4	3.7	7.7	12	0.3	0.7	0.3	40	0.10	0.037	24
1222303	Soil	0.7	8.6	18.0	35	<0.1	8.5	2.9	130	1.75	8.4	0.7	0.9	10	0.2	0.6	0.8	37	0.04	0.023	15
1222304	Soil	1.0	14.6	15.5	61	<0.1	18.0	9.2	239	2.56	13.1	2.0	4.2	11	0.3	0.9	0.4	44	0.06	0.038	13
1222305	Soil	0.9	9.9	14.0	40	<0.1	11.1	3.9	188	2.59	13.6	0.7	0.9	8	0.1	0.8	0.4	53	0.04	0.037	13
1222306	Soil	0.7	9.0	10.8	22	<0.1	6.3	2.5	104	1.56	7.6	0.7	0.1	8	0.1	0.6	0.4	35	0.04	0.049	10
1222307	Soil	0.8	11.1	10.8	45	<0.1	13.0	5.4	170	2.04	18.5	8.6	2.2	10	0.1	0.8	0.3	38	0.06	0.038	13
1222308	Soil	1.0	9.6	12.6	45	<0.1	11.2	4.9	175	2.99	31.3	<0.5	2.5	8	<0.1	1.0	0.3	50	0.04	0.041	11
1222309	Soil	1.0	6.8	12.2	25	<0.1	5.2	2.1	105	1.90	12.6	3.0	1.3	7	<0.1	0.8	0.4	55	0.03	0.029	11
1222310	Soil	0.9	17.8	17.5	21	<0.1	5.7	1.8	82	1.07	12.9	0.5	0.2	10	0.2	0.5	0.5	36	0.04	0.035	13
1222311	Soil	0.8	26.5	10.8	63	<0.1	17.8	7.2	238	2.07	41.1	2.1	4.3	12	0.2	0.6	0.2	32	0.15	0.058	13
1222312	Soil	1.0	17.9	11.7	51	<0.1	13.8	5.1	165	2.05	18.5	<0.5	0.4	11	0.2	0.5	0.2	40	0.10	0.042	10
1222313	Soil	0.7	10.6	13.2	19	<0.1	5.4	1.8	53	0.88	10.6	1.6	0.1	8	0.2	0.3	0.4	30	0.05	0.025	11
1222314	Soil	1.0	17.1	12.3	54	<0.1	16.1	6.5	217	2.29	21.5	6.0	3.3	10	0.2	0.6	0.2	39	0.08	0.036	14
1222315	Soil	0.7	20.5	10.6	52	<0.1	16.4	6.8	185	2.13	17.1	1.0	2.9	9	0.2	0.5	0.2	36	0.09	0.037	12
1222316	Soil	0.9	24.7	11.5	53	<0.1	16.2	6.2	152	2.16	19.6	1.1	1.1	10	0.2	0.5	0.3	38	0.08	0.041	13
1222317	Soil	0.9	24.8	10.0	64	<0.1	19.0	7.2	222	2.10	16.0	4.0	2.8	12	0.2	0.6	0.2	36	0.12	0.046	15
1222318	Soil	0.8	23.7	10.5	62	<0.1	18.4	6.3	179	1.97	14.1	1.8	4.0	14	0.2	0.6	0.2	36	0.14	0.048	15
1222319	Soil	0.6	20.9	9.8	57	<0.1	16.9	6.1	171	1.99	13.9	2.1	4.2	12	0.2	0.6	0.2	34	0.13	0.046	13
1222320	Soil	0.5	19.4	8.4	49	<0.1	14.7	5.4	131	1.79	11.0	1.3	2.6	11	0.1	0.5	0.2	31	0.12	0.049	13

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222291	Soil	25	0.46	228	0.018	1	1.53	0.010	0.08	0.2	0.02	2.4	<0.1	<0.05	5	0.5	<0.2
1222292	Soil	22	0.51	161	0.012	<1	1.45	0.009	0.07	0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1222293	Soil	22	0.59	181	0.006	<1	1.51	0.005	0.06	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1222294	Soil	20	0.45	85	0.005	<1	1.22	0.007	0.06	<0.1	0.02	2.3	<0.1	<0.05	4	0.6	<0.2
1222295	Soil	24	0.44	128	0.033	<1	1.42	0.006	0.05	0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1222296	Soil	20	0.33	83	0.028	<1	1.19	0.006	0.04	0.1	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
1222297	Soil	25	0.37	105	0.026	1	1.48	0.007	0.06	0.2	0.03	1.6	0.1	<0.05	5	<0.5	<0.2
1222298	Soil	25	0.47	139	0.041	1	1.37	0.008	0.06	0.3	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
1222299	Soil	22	0.40	110	0.027	<1	1.35	0.006	0.05	0.2	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
1222300	Soil	24	0.49	149	0.028	<1	1.41	0.008	0.05	0.2	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
1222301	Soil	26	0.35	75	0.013	<1	1.27	0.005	0.06	0.1	0.03	1.1	0.2	<0.05	5	0.6	<0.2
1222302	Soil	29	0.47	137	0.018	1	1.83	0.005	0.08	0.2	0.03	2.6	0.2	<0.05	5	<0.5	<0.2
1222303	Soil	16	0.21	68	0.019	1	0.86	0.004	0.03	<0.1	0.02	0.9	0.1	<0.05	5	<0.5	<0.2
1222304	Soil	25	0.37	122	0.024	1	1.78	0.006	0.03	0.1	0.04	2.8	0.1	<0.05	4	<0.5	<0.2
1222305	Soil	22	0.27	73	0.028	1	1.02	0.004	0.03	0.1	0.02	1.3	0.1	<0.05	5	<0.5	<0.2
1222306	Soil	16	0.17	53	0.010	1	0.82	0.004	0.03	<0.1	0.02	0.3	<0.1	<0.05	4	<0.5	<0.2
1222307	Soil	21	0.28	98	0.018	1	1.14	0.007	0.03	0.3	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1222308	Soil	22	0.26	56	0.031	1	0.99	0.004	0.03	0.2	0.02	1.7	0.1	<0.05	5	<0.5	<0.2
1222309	Soil	12	0.13	55	0.037	<1	0.88	0.004	0.02	0.2	0.02	1.0	<0.1	<0.05	6	<0.5	<0.2
1222310	Soil	11	0.07	83	0.026	<1	0.76	0.004	0.03	<0.1	0.03	0.7	0.1	<0.05	5	<0.5	<0.2
1222311	Soil	20	0.35	105	0.027	<1	1.06	0.006	0.05	0.5	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1222312	Soil	21	0.30	112	0.016	<1	1.10	0.009	0.04	0.2	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1222313	Soil	12	0.11	92	0.019	<1	0.71	0.005	0.03	0.1	0.03	0.5	<0.1	<0.05	5	<0.5	<0.2
1222314	Soil	24	0.35	128	0.027	<1	1.34	0.006	0.05	0.3	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1222315	Soil	24	0.36	108	0.038	<1	1.26	0.005	0.07	0.3	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
1222316	Soil	25	0.36	141	0.031	<1	1.37	0.006	0.07	0.3	0.04	1.9	0.1	<0.05	5	<0.5	<0.2
1222317	Soil	26	0.39	186	0.045	1	1.26	0.005	0.07	0.3	0.03	2.6	0.1	<0.05	4	<0.5	<0.2
1222318	Soil	24	0.38	181	0.047	<1	1.28	0.006	0.07	0.3	0.04	2.8	0.1	<0.05	4	<0.5	<0.2
1222319	Soil	23	0.35	121	0.045	1	1.17	0.011	0.06	0.3	0.02	2.3	0.1	<0.05	3	<0.5	<0.2
1222320	Soil	19	0.31	122	0.034	<1	1.07	0.005	0.04	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2

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Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222321	Soil	1.2	12.7	13.2	52	<0.1	14.7	7.9	281	3.02	14.0	1.6	4.4	7	0.2	0.7	0.3	46	0.05	0.027	10
1222322	Soil	1.1	10.9	10.7	34	<0.1	8.4	3.3	156	2.40	13.7	1.0	1.3	5	0.1	0.8	0.3	46	0.03	0.043	12
1222323	Soil	0.4	22.4	13.8	59	<0.1	17.6	7.2	266	1.97	8.4	<0.5	8.4	6	0.2	0.9	0.2	13	0.04	0.031	22
1222324	Soil	0.8	10.0	12.1	34	<0.1	9.1	3.6	131	2.06	9.4	7.5	4.8	6	<0.1	0.7	0.2	30	0.04	0.026	16
1222325	Soil	0.9	17.0	14.3	47	<0.1	14.2	5.2	196	1.95	9.7	6.5	0.9	12	0.2	0.5	0.2	38	0.10	0.039	13
1222326	Soil	0.9	13.3	12.5	50	<0.1	14.2	7.1	215	2.42	12.6	0.8	6.5	8	0.2	0.7	0.3	40	0.06	0.024	11
1222327	Soil	0.8	20.4	13.4	73	<0.1	18.8	8.8	276	2.68	12.9	0.8	12.2	10	0.2	0.6	0.5	41	0.11	0.045	18
1222328	Soil	1.1	20.1	11.5	56	<0.1	19.9	9.2	242	2.48	12.3	1.3	6.3	12	0.1	0.8	0.2	42	0.09	0.023	15
1222329	Soil	1.8	15.3	21.1	65	<0.1	17.1	7.5	211	3.06	17.4	14.1	7.9	9	0.3	0.7	0.5	51	0.06	0.042	12
1222330	Soil	1.2	13.9	12.9	36	<0.1	8.5	3.4	120	2.25	10.2	2.3	6.4	12	0.3	0.5	1.2	56	0.10	0.028	12
1222331	Soil	1.0	16.9	20.7	87	0.1	8.7	3.2	217	1.82	7.1	0.9	6.5	25	0.8	0.3	2.5	33	0.28	0.081	33
1222332	Soil	1.2	37.8	11.6	73	<0.1	25.8	12.7	618	2.85	14.0	17.7	7.8	9	0.1	0.6	0.4	35	0.08	0.040	23
1222333	Soil	1.0	40.7	11.5	72	<0.1	25.5	11.9	578	2.65	13.0	5.2	7.2	10	<0.1	0.7	0.3	36	0.08	0.033	22
1222334	Soil	0.8	29.7	9.5	66	<0.1	22.3	11.1	532	2.59	8.8	1.4	4.0	10	0.1	0.6	0.3	35	0.09	0.041	20
1222335	Soil	0.7	20.6	10.7	43	0.1	15.0	6.0	220	1.83	8.4	3.3	0.4	8	0.1	0.4	0.2	32	0.08	0.055	14
1222336	Soil	1.0	16.1	14.0	50	<0.1	14.7	7.9	344	2.65	26.5	3.2	5.9	8	0.2	0.5	0.2	38	0.07	0.029	18
1222337	Soil	0.9	17.9	22.0	64	0.1	17.2	5.9	234	2.57	41.2	7.4	2.2	7	0.2	0.5	0.2	35	0.06	0.034	15
1222338	Soil	0.8	15.6	11.8	49	<0.1	15.0	5.1	170	1.87	33.7	2.8	3.2	6	0.2	0.5	0.2	32	0.05	0.025	15
1222339	Soil	0.8	16.0	26.4	38	0.2	11.4	4.4	155	1.87	26.1	3.0	0.3	6	0.2	0.3	0.2	31	0.04	0.070	13
1222340	Soil	0.8	23.9	19.4	58	<0.1	18.6	8.6	341	2.41	24.6	3.6	8.6	8	0.1	0.5	0.2	23	0.04	0.025	33
1222341	Soil	0.8	20.1	15.9	61	<0.1	16.0	6.4	234	2.33	19.0	4.2	4.9	7	0.1	0.5	0.2	31	0.06	0.027	21
1222342	Soil	0.9	21.2	18.3	52	<0.1	19.0	7.1	245	2.38	19.1	8.3	6.1	8	0.1	0.5	0.2	34	0.07	0.024	20
1222343	Soil	0.8	25.7	18.9	68	0.2	19.4	7.4	244	2.56	18.4	4.3	1.0	10	0.3	0.4	0.2	34	0.06	0.046	18
1222344	Soil	0.7	21.1	23.6	65	<0.1	16.9	7.0	228	2.34	14.4	77.9	6.1	8	<0.1	0.4	0.2	30	0.07	0.026	21
1222345	Soil	0.6	17.7	26.4	53	<0.1	14.4	5.4	170	1.88	16.8	2.9	2.2	7	0.2	0.4	0.2	31	0.05	0.022	18
1222346	Soil	0.8	17.2	22.8	57	<0.1	16.6	5.9	190	2.24	16.4	4.3	4.4	7	0.1	0.5	0.2	34	0.05	0.023	18
1222347	Soil	0.9	21.3	25.7	65	<0.1	16.4	5.9	185	2.33	16.3	3.3	1.2	6	0.2	0.3	0.3	30	0.04	0.036	24
1222348	Soil	0.7	23.8	16.5	92	<0.1	21.6	9.2	352	2.53	17.2	4.6	4.9	8	0.1	0.5	0.2	31	0.06	0.037	24
1222349	Soil	0.7	18.6	16.8	52	<0.1	15.3	6.4	193	1.96	19.2	4.1	4.7	8	0.2	0.5	0.3	31	0.08	0.032	15
1222350	Soil	0.9	24.8	22.8	51	0.2	14.0	5.5	117	1.93	19.6	3.6	2.1	6	0.1	0.4	0.3	17	0.03	0.037	37

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Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222321	Soil	25	0.32	81	0.032	1	1.44	0.006	0.04	0.3	0.03	1.8	<0.1	<0.05	5	<0.5	<0.2
1222322	Soil	14	0.15	42	0.029	<1	0.68	0.003	0.04	0.2	0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
1222323	Soil	11	0.25	61	0.013	<1	0.75	0.003	0.04	0.3	0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
1222324	Soil	15	0.20	48	0.018	<1	0.89	0.003	0.03	0.2	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1222325	Soil	19	0.28	113	0.019	<1	1.12	0.006	0.04	0.2	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1222326	Soil	25	0.35	86	0.035	<1	1.43	0.005	0.04	0.4	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
1222327	Soil	23	0.43	138	0.057	<1	1.58	0.007	0.14	1.0	0.03	3.3	0.4	<0.05	6	<0.5	<0.2
1222328	Soil	25	0.42	198	0.046	1	1.53	0.008	0.05	0.3	0.04	3.7	0.1	<0.05	4	<0.5	<0.2
1222329	Soil	30	0.35	139	0.034	1	2.02	0.006	0.06	1.7	0.02	2.7	0.2	<0.05	6	<0.5	<0.2
1222330	Soil	17	0.19	89	0.043	<1	1.05	0.006	0.05	2.4	0.01	1.6	0.2	<0.05	7	<0.5	<0.2
1222331	Soil	14	0.22	141	0.044	1	1.15	0.008	0.13	5.3	0.03	1.7	0.3	<0.05	9	<0.5	<0.2
1222332	Soil	25	0.47	158	0.036	<1	1.32	0.005	0.03	0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
1222333	Soil	23	0.47	201	0.034	<1	1.34	0.005	0.04	0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
1222334	Soil	23	0.45	134	0.031	<1	1.28	0.007	0.03	0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1222335	Soil	20	0.34	107	0.014	<1	1.11	0.006	0.03	0.1	0.04	0.8	<0.1	<0.05	4	<0.5	<0.2
1222336	Soil	24	0.37	114	0.025	1	1.44	0.005	0.05	0.3	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1222337	Soil	22	0.34	90	0.020	1	1.26	0.005	0.05	0.2	0.03	1.3	<0.1	<0.05	4	0.5	<0.2
1222338	Soil	19	0.29	83	0.019	<1	1.10	0.005	0.04	0.2	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1222339	Soil	16	0.23	94	0.007	<1	1.17	0.006	0.04	0.1	0.04	0.5	<0.1	<0.05	4	<0.5	<0.2
1222340	Soil	17	0.32	115	0.018	<1	1.10	0.004	0.04	0.1	0.03	1.8	<0.1	<0.05	3	0.6	<0.2
1222341	Soil	20	0.38	110	0.032	<1	1.20	0.005	0.04	0.1	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1222342	Soil	22	0.39	134	0.038	1	1.36	0.006	0.04	0.2	0.03	2.2	<0.1	<0.05	4	0.5	<0.2
1222343	Soil	22	0.42	194	0.021	1	1.46	0.007	0.04	0.1	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1222344	Soil	20	0.42	132	0.030	1	1.22	0.005	0.04	0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1222345	Soil	19	0.34	118	0.027	<1	1.23	0.006	0.04	0.1	0.03	1.4	<0.1	<0.05	4	0.6	<0.2
1222346	Soil	22	0.37	104	0.032	<1	1.35	0.005	0.04	0.2	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1222347	Soil	20	0.36	109	0.015	<1	1.46	0.005	0.04	0.1	0.02	1.1	0.1	<0.05	4	<0.5	<0.2
1222348	Soil	31	0.40	115	0.022	<1	1.18	0.004	0.05	0.1	0.02	2.4	0.1	<0.05	3	<0.5	<0.2
1222349	Soil	19	0.35	110	0.027	<1	1.21	0.005	0.04	0.2	0.03	2.2	<0.1	<0.05	3	0.8	<0.2
1222350	Soil	11	0.14	75	0.006	<1	0.69	0.004	0.04	<0.1	0.02	0.7	<0.1	<0.05	2	<0.5	<0.2

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Method		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222351	Soil	0.8	26.5	18.8	84	0.2	21.6	9.4	226	2.89	26.7	8.1	8.6	6	0.1	0.6	0.2	23	0.04	0.026	33
1222352	Soil	0.8	21.3	18.8	67	<0.1	16.0	4.4	98	2.89	63.7	11.8	8.2	5	<0.1	0.8	0.2	20	0.03	0.028	29
1222353	Soil	1.2	18.2	35.4	73	0.2	16.7	7.0	160	3.06	16.1	2.7	2.4	9	0.2	0.5	0.2	59	0.06	0.036	13
1222354	Soil	1.0	27.4	37.4	118	0.2	16.5	4.8	151	2.93	26.3	2.2	2.3	8	0.3	0.5	0.2	45	0.05	0.036	22
1222355	Soil	1.0	43.9	106.0	149	0.2	21.0	9.5	247	3.13	25.9	7.4	8.4	8	0.2	0.5	0.2	40	0.06	0.024	23
1222356	Soil	1.0	28.2	45.7	127	<0.1	15.2	9.7	307	2.61	39.2	8.7	4.2	7	0.1	0.5	0.3	32	0.05	0.031	21
1222357	Soil	0.9	13.5	14.4	54	<0.1	21.3	8.3	173	2.86	13.9	3.4	4.7	8	0.2	0.7	0.2	37	0.06	0.021	11
1222358	Soil	0.7	13.6	29.7	48	0.1	14.3	4.7	141	1.87	30.7	4.4	3.8	7	0.2	0.5	0.2	27	0.04	0.022	18
1222359	Soil	0.6	19.4	26.5	51	<0.1	15.5	6.2	173	1.88	22.3	3.5	5.8	9	0.3	0.5	0.1	31	0.08	0.019	19
1222360	Soil	0.7	13.1	18.4	39	<0.1	11.7	4.5	148	1.76	28.5	2.4	2.7	8	0.1	0.4	0.1	31	0.07	0.027	17
1222361	Soil	0.6	16.1	13.6	40	<0.1	12.8	4.9	133	1.75	26.6	64.4	5.1	7	<0.1	0.5	0.1	25	0.06	0.023	20
1222362	Soil	0.6	15.0	12.6	40	<0.1	11.8	4.1	113	1.87	20.9	3.1	1.9	10	0.1	0.4	0.1	31	0.11	0.053	13
1222363	Soil	0.5	15.3	12.2	41	<0.1	13.5	5.7	190	1.89	11.9	2.8	2.4	11	<0.1	0.5	0.1	35	0.13	0.039	15
1222364	Soil	0.7	21.7	30.8	50	<0.1	25.1	10.5	333	2.82	17.0	6.1	5.5	10	0.2	0.6	0.2	33	0.12	0.033	16
1222365	Soil	0.7	17.6	19.0	44	0.1	19.7	7.6	186	2.57	21.9	5.4	5.8	9	0.2	0.5	0.2	41	0.08	0.019	16
1222366	Soil	0.9	13.4	15.7	44	0.2	15.5	6.7	189	2.59	21.9	4.0	4.5	9	<0.1	0.4	0.2	42	0.08	0.019	15
1222367	Soil	0.5	15.8	16.7	41	0.1	15.3	6.1	161	2.07	34.7	5.1	4.6	10	<0.1	0.4	0.2	34	0.10	0.020	16
1222368	Soil	0.5	19.7	22.7	47	<0.1	16.9	6.2	163	2.78	30.0	4.6	12.8	5	<0.1	0.4	0.2	19	0.04	0.017	34
1222369	Soil	0.8	28.7	17.5	60	0.2	22.1	9.3	269	3.16	49.7	6.0	11.2	7	<0.1	0.5	0.2	34	0.06	0.025	26
1222370	Soil	0.4	8.4	14.5	23	<0.1	6.3	2.6	176	1.28	17.5	1.9	0.2	6	0.2	0.2	0.2	30	0.04	0.032	18
1222371	Soil	0.7	11.9	14.1	43	<0.1	14.8	6.0	180	2.15	19.9	9.5	4.8	8	<0.1	0.4	0.2	36	0.06	0.014	13
1222372	Soil	0.7	12.8	16.8	38	<0.1	13.4	6.3	206	2.07	15.4	6.4	2.1	7	<0.1	0.4	0.2	31	0.06	0.025	11
1222373	Soil	0.8	24.2	17.2	47	<0.1	17.1	7.7	280	2.05	16.0	3.3	5.7	8	<0.1	0.5	0.2	29	0.06	0.026	13
1222374	Soil	0.7	13.8	15.3	31	0.1	9.8	3.9	102	1.37	12.6	4.1	0.4	7	<0.1	0.3	0.1	18	0.05	0.045	11
1222375	Soil	1.2	23.5	24.9	53	0.2	18.2	7.3	310	2.24	25.4	4.0	2.8	8	<0.1	0.6	0.2	35	0.05	0.036	14
1222376	Soil	0.6	21.5	14.6	50	<0.1	17.0	6.5	233	2.03	17.1	3.8	4.9	7	0.1	0.5	0.2	32	0.05	0.023	14
1222377	Soil	0.7	16.1	20.5	43	<0.1	13.0	4.9	169	1.70	20.7	6.2	0.5	7	0.2	0.5	0.4	28	0.07	0.039	13
1222378	Soil	0.7	18.7	13.3	52	<0.1	18.6	6.0	209	1.93	12.4	2.5	3.9	14	<0.1	0.5	0.2	31	0.15	0.042	15
1222379	Soil	0.9	16.1	12.1	49	<0.1	14.4	5.7	159	1.86	10.6	3.7	2.5	10	<0.1	0.5	0.2	30	0.11	0.046	14
1222380	Soil	0.6	16.6	11.5	52	<0.1	13.8	5.6	167	1.72	9.7	4.5	3.1	14	0.1	0.5	0.2	28	0.18	0.052	14

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222351	Soil	20	0.39	88	0.012	<1	1.14	0.004	0.05	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1222352	Soil	14	0.20	54	0.007	<1	0.90	0.004	0.04	<0.1	0.02	1.0	<0.1	<0.05	3	<0.5	<0.2
1222353	Soil	30	0.31	120	0.037	1	1.64	0.007	0.04	0.2	0.02	1.9	0.1	<0.05	6	<0.5	<0.2
1222354	Soil	26	0.33	119	0.028	<1	1.21	0.005	0.04	0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1222355	Soil	29	0.44	146	0.033	1	1.79	0.005	0.06	0.2	0.04	3.1	0.1	<0.05	4	<0.5	<0.2
1222356	Soil	20	0.27	79	0.015	<1	1.29	0.004	0.05	0.1	0.03	1.4	0.1	<0.05	4	<0.5	<0.2
1222357	Soil	26	0.40	122	0.033	1	1.62	0.005	0.04	0.2	0.03	2.0	<0.1	<0.05	3	0.6	<0.2
1222358	Soil	14	0.20	98	0.017	1	0.91	0.005	0.07	0.1	0.02	1.0	<0.1	<0.05	3	<0.5	<0.2
1222359	Soil	20	0.36	101	0.034	2	1.23	0.010	0.06	0.2	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1222360	Soil	18	0.27	83	0.024	<1	1.06	0.005	0.05	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1222361	Soil	16	0.29	82	0.021	<1	1.06	0.004	0.05	0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1222362	Soil	18	0.30	82	0.024	<1	1.14	0.005	0.05	0.2	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1222363	Soil	20	0.33	119	0.030	1	1.11	0.006	0.04	0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1222364	Soil	21	0.30	130	0.025	1	1.46	0.007	0.04	0.2	0.02	1.8	0.1	<0.05	3	<0.5	<0.2
1222365	Soil	24	0.32	153	0.035	<1	1.55	0.007	0.04	0.2	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
1222366	Soil	23	0.35	142	0.029	<1	1.47	0.006	0.03	0.2	0.04	2.1	0.1	<0.05	4	<0.5	<0.2
1222367	Soil	20	0.34	146	0.023	<1	1.26	0.006	0.03	0.2	0.04	2.2	<0.1	<0.05	4	<0.5	<0.2
1222368	Soil	15	0.28	90	0.009	<1	1.10	0.004	0.04	<0.1	0.03	1.5	0.1	<0.05	3	<0.5	<0.2
1222369	Soil	24	0.43	132	0.022	<1	1.59	0.005	0.04	0.2	0.04	2.3	<0.1	<0.05	4	<0.5	<0.2
1222370	Soil	11	0.14	79	0.012	<1	0.77	0.004	0.04	0.1	0.01	0.4	<0.1	<0.05	4	<0.5	<0.2
1222371	Soil	21	0.33	167	0.020	<1	1.33	0.004	0.03	0.2	0.03	2.1	<0.1	<0.05	4	0.8	<0.2
1222372	Soil	19	0.28	112	0.012	<1	1.24	0.004	0.03	0.2	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
1222373	Soil	20	0.34	120	0.021	<1	1.18	0.004	0.03	0.2	0.02	2.3	<0.1	<0.05	3	0.6	<0.2
1222374	Soil	13	0.17	96	0.008	<1	0.77	0.004	0.02	0.1	0.03	0.4	<0.1	<0.05	3	<0.5	<0.2
1222375	Soil	23	0.33	132	0.029	<1	1.31	0.004	0.04	0.2	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
1222376	Soil	20	0.34	127	0.030	<1	1.21	0.004	0.04	0.2	0.02	2.2	<0.1	<0.05	3	0.6	<0.2
1222377	Soil	16	0.25	98	0.017	<1	0.96	0.004	0.04	0.2	0.01	0.7	0.1	<0.05	3	0.8	<0.2
1222378	Soil	21	0.35	185	0.038	<1	1.09	0.007	0.03	0.2	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1222379	Soil	20	0.33	132	0.037	<1	1.07	0.005	0.03	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1222380	Soil	18	0.32	195	0.026	<1	0.96	0.006	0.03	0.3	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2

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		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222381	Soil		0.5	15.8	10.1	48	0.1	14.4	5.3	131	1.72	10.6	6.7	3.2	15	<0.1	0.4	0.2	30	0.16	0.054	14
1222382	Soil		0.7	15.4	11.9	53	0.2	14.6	5.2	143	1.90	13.7	14.6	2.5	14	0.2	0.4	0.2	31	0.17	0.058	12
1222383	Soil		0.8	21.1	11.7	61	0.2	18.0	6.2	218	1.86	16.1	14.0	5.1	15	0.2	0.5	0.2	28	0.18	0.062	16
1222384	Soil		0.8	19.0	12.5	55	0.2	16.5	6.9	232	1.94	16.2	13.5	2.3	16	0.2	0.4	0.2	31	0.18	0.061	14
1222385	Soil		0.7	14.7	12.5	53	0.2	15.0	5.6	204	1.97	18.9	16.5	2.6	13	0.2	0.5	0.2	29	0.15	0.057	13
1222386	Soil		0.6	12.7	13.8	51	0.2	14.8	7.9	306	2.02	15.5	3.7	2.2	14	0.1	0.4	0.2	28	0.14	0.059	13
1222387	Soil		0.4	22.0	19.2	68	0.3	19.5	9.1	428	1.93	22.3	6.6	4.2	22	0.3	0.4	0.3	20	0.33	0.061	16
1222388	Soil		0.8	17.9	66.1	54	0.5	16.4	8.7	460	1.85	21.5	2.7	2.1	10	1.0	0.4	0.1	18	0.08	0.040	13
1222389	Soil		1.0	14.8	150.6	107	0.8	16.4	9.2	481	2.50	124.3	7.6	6.7	8	1.4	0.8	0.2	23	0.06	0.037	14
1222390	Soil		0.6	15.1	19.9	48	0.1	15.0	4.7	174	2.17	14.2	1.1	7.4	6	0.2	0.3	0.2	22	0.03	0.025	19
1222391	Soil		0.3	41.2	45.8	103	0.4	26.3	10.8	617	2.31	13.2	2.7	8.9	21	0.5	0.9	0.5	19	0.35	0.091	26
1222392	Soil		0.8	24.5	21.2	63	0.4	20.4	7.0	380	2.17	15.5	4.1	1.3	33	0.4	0.6	0.4	30	0.30	0.049	20
1222393	Soil		0.6	7.6	11.8	43	<0.1	10.1	3.6	153	2.27	8.8	1.5	2.7	9	0.1	0.7	0.3	41	0.07	0.033	12
1222394	Soil		0.9	21.9	14.6	78	<0.1	24.4	9.9	275	2.70	12.5	2.6	2.1	16	0.2	1.0	0.3	38	0.11	0.067	17
1222395	Soil		0.7	27.5	19.5	88	<0.1	39.3	15.6	306	3.59	12.6	<0.5	8.3	10	0.1	0.7	0.3	41	0.05	0.030	26
1222396	Soil		1.1	11.8	12.4	42	0.1	12.0	4.9	160	2.42	10.4	<0.5	1.7	11	0.2	1.0	0.3	46	0.06	0.035	12
1222397	Soil		0.6	19.8	26.2	67	0.1	23.9	8.5	204	2.51	9.0	<0.5	4.4	12	0.2	0.6	0.3	32	0.08	0.041	18
1222398	Soil		0.9	22.5	13.5	69	0.1	19.3	7.4	217	2.36	11.7	3.3	3.5	12	0.1	1.0	0.3	34	0.07	0.040	16
1222399	Soil		1.3	39.6	24.1	87	0.4	25.8	12.3	429	3.27	15.3	0.9	4.7	17	0.3	1.0	0.6	39	0.08	0.072	19
1222400	Soil		1.2	24.2	18.6	70	<0.1	20.4	8.6	253	3.19	17.5	2.0	4.0	14	0.2	0.9	0.5	40	0.07	0.054	21
1222401	Soil		1.2	30.8	112.8	94	0.3	22.2	7.8	234	3.09	19.3	4.0	3.4	12	0.3	0.9	1.0	39	0.06	0.058	17
1222402	Soil		1.1	30.7	20.2	55	<0.1	19.0	5.0	188	2.06	11.4	3.0	0.4	13	0.3	0.7	0.5	34	0.06	0.051	16
1222403	Soil		1.0	20.2	17.3	64	<0.1	18.1	6.2	190	2.22	26.6	2.0	1.7	15	0.1	0.8	0.4	34	0.09	0.047	15
1222404	Soil		1.0	18.0	28.5	60	<0.1	16.1	5.5	157	2.14	32.9	8.6	0.7	12	0.2	0.7	0.4	35	0.07	0.052	16
1222405	Soil		1.0	15.7	23.0	58	<0.1	15.3	5.3	167	2.10	15.3	6.4	0.6	12	0.2	0.7	0.3	38	0.08	0.058	16
1222406	Soil		0.8	14.2	27.8	58	<0.1	14.6	5.8	189	1.89	12.4	2.4	1.6	11	0.2	0.6	0.3	32	0.07	0.056	18
1222407	Soil		0.7	16.7	11.3	56	<0.1	17.3	6.5	203	1.87	9.5	0.8	1.6	11	0.1	0.6	0.3	33	0.08	0.046	19
1222408	Soil		0.8	17.6	14.0	54	<0.1	16.7	6.6	181	1.92	9.4	8.8	3.1	13	0.1	0.6	0.3	30	0.07	0.065	18
1222409	Soil		0.9	14.8	15.9	59	<0.1	15.8	7.8	279	2.13	11.4	53.4	1.2	12	0.1	0.6	0.3	35	0.07	0.042	17
1222410	Soil		0.8	11.4	11.9	46	<0.1	12.3	4.8	149	2.00	8.8	2.1	0.4	10	0.1	0.5	0.3	37	0.06	0.048	14

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222381	Soil	19	0.31	182	0.027	<1	1.04	0.005	0.03	0.3	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1222382	Soil	19	0.32	174	0.024	<1	1.09	0.005	0.04	0.4	0.04	1.6	<0.1	<0.05	3	<0.5	<0.2
1222383	Soil	21	0.33	313	0.025	<1	0.94	0.005	0.04	0.5	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1222384	Soil	21	0.32	244	0.020	<1	1.10	0.006	0.04	0.5	0.06	2.0	<0.1	<0.05	3	0.6	<0.2
1222385	Soil	18	0.30	200	0.020	4	1.04	0.005	0.04	0.8	0.05	1.6	<0.1	<0.05	3	<0.5	<0.2
1222386	Soil	18	0.32	181	0.017	<1	1.01	0.005	0.04	0.6	0.04	1.4	<0.1	<0.05	3	<0.5	<0.2
1222387	Soil	16	0.38	146	0.016	<1	0.98	0.005	0.05	2.3	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1222388	Soil	18	0.24	193	0.008	<1	0.90	0.004	0.09	0.2	0.03	1.0	<0.1	<0.05	2	<0.5	<0.2
1222389	Soil	17	0.23	110	0.009	<1	0.94	0.003	0.06	0.2	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
1222390	Soil	17	0.27	98	0.010	<1	1.07	0.003	0.07	0.2	0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
1222391	Soil	17	0.46	171	0.013	<1	1.02	0.004	0.04	0.1	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
1222392	Soil	22	0.31	360	0.010	<1	1.18	0.006	0.03	0.2	0.05	1.8	<0.1	<0.05	4	<0.5	<0.2
1222393	Soil	17	0.25	58	0.043	<1	0.99	0.004	0.03	0.2	0.04	1.7	<0.1	<0.05	4	<0.5	<0.2
1222394	Soil	25	0.43	119	0.027	<1	1.49	0.006	0.07	0.2	0.02	1.8	0.2	<0.05	4	<0.5	<0.2
1222395	Soil	39	0.66	145	0.046	<1	2.25	0.006	0.31	0.1	0.03	3.1	0.3	<0.05	7	<0.5	<0.2
1222396	Soil	19	0.26	99	0.027	<1	1.12	0.005	0.03	0.2	0.06	1.5	<0.1	<0.05	5	<0.5	<0.2
1222397	Soil	26	0.45	88	0.037	<1	1.38	0.006	0.14	0.2	0.02	1.9	0.1	<0.05	5	<0.5	<0.2
1222398	Soil	22	0.39	79	0.023	<1	1.16	0.005	0.05	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1222399	Soil	28	0.47	159	0.017	<1	1.55	0.006	0.08	0.1	0.04	2.6	0.1	<0.05	5	<0.5	<0.2
1222400	Soil	26	0.41	145	0.022	<1	1.48	0.006	0.06	0.2	0.03	2.2	0.1	<0.05	5	<0.5	<0.2
1222401	Soil	24	0.43	126	0.015	<1	1.40	0.005	0.05	0.2	0.06	2.0	0.2	<0.05	5	<0.5	<0.2
1222402	Soil	23	0.30	130	0.013	<1	1.05	0.006	0.05	0.1	0.05	0.8	<0.1	<0.05	4	<0.5	<0.2
1222403	Soil	22	0.35	108	0.023	<1	1.07	0.006	0.05	0.2	0.04	1.8	<0.1	<0.05	4	<0.5	<0.2
1222404	Soil	22	0.35	94	0.021	<1	1.17	0.006	0.04	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1222405	Soil	23	0.32	93	0.020	<1	1.13	0.005	0.04	0.2	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1222406	Soil	21	0.29	78	0.022	<1	1.07	0.005	0.03	0.2	0.04	1.4	<0.1	<0.05	4	<0.5	<0.2
1222407	Soil	21	0.33	95	0.027	<1	1.02	0.005	0.04	0.2	0.05	1.6	<0.1	<0.05	4	<0.5	<0.2
1222408	Soil	21	0.30	106	0.026	<1	1.11	0.005	0.04	0.1	0.04	2.0	<0.1	<0.05	4	<0.5	<0.2
1222409	Soil	21	0.31	116	0.020	<1	1.10	0.005	0.04	0.2	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1222410	Soil	20	0.28	79	0.017	<1	1.19	0.005	0.03	0.2	0.05	0.9	<0.1	<0.05	4	<0.5	<0.2

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CERTIFICATE OF ANALYSIS WHI11001045.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222411	Soil		0.7	21.1	15.8	71	<0.1	21.9	10.5	360	2.41	11.3	2.1	2.7	13	0.1	0.7	0.3	33	0.07	0.048	21
1222412	Soil		0.7	22.1	13.4	67	<0.1	20.8	9.3	266	2.23	10.2	1.7	3.0	16	<0.1	0.7	0.3	34	0.10	0.051	21
1222413	Soil		0.8	12.2	12.1	52	<0.1	15.0	7.6	245	1.95	9.1	<0.5	1.4	11	<0.1	0.6	0.3	33	0.07	0.047	17
1222414	Soil		0.8	12.8	13.8	53	<0.1	14.1	5.9	159	2.16	11.8	1.0	1.5	11	<0.1	0.6	0.3	37	0.07	0.040	15
1222415	Soil		0.9	12.6	13.3	53	<0.1	13.9	6.5	196	2.44	11.3	1.9	3.3	10	0.1	0.7	0.3	45	0.06	0.032	15
1222416	Soil		0.7	18.5	10.0	50	<0.1	16.3	7.2	214	2.00	10.9	9.1	1.7	12	<0.1	0.8	0.3	33	0.09	0.059	16
1222417	Soil		0.7	18.9	10.0	47	<0.1	14.9	6.9	198	2.05	10.6	7.8	2.3	11	<0.1	0.8	0.3	34	0.08	0.047	17
1222418	Soil		0.6	9.8	9.3	39	<0.1	10.9	3.8	146	1.83	9.1	2.5	0.7	10	<0.1	0.6	0.3	34	0.07	0.037	12
1222419	Soil		0.6	16.5	10.5	45	<0.1	15.8	7.0	199	2.09	11.6	2.5	2.8	9	<0.1	0.5	0.2	35	0.09	0.054	14
1222420	Soil		0.8	21.4	12.6	53	<0.1	19.7	8.7	279	2.62	13.5	3.9	3.9	10	<0.1	0.5	0.2	37	0.09	0.046	15
1222421	Soil		0.8	14.1	21.6	52	0.1	17.7	8.3	208	2.83	12.7	3.7	4.9	9	0.2	0.6	0.2	40	0.08	0.031	11
1222422	Soil		0.8	19.3	10.3	45	<0.1	15.4	4.9	151	2.06	14.4	14.0	4.0	10	0.3	0.5	0.2	38	0.08	0.029	14
1222423	Soil		1.1	22.5	27.1	58	0.2	17.6	6.7	222	3.06	27.6	13.0	3.4	9	0.2	0.7	0.3	36	0.07	0.040	17
1222424	Soil		1.0	28.0	32.1	58	0.1	15.6	5.4	184	3.04	46.8	5.4	3.3	9	0.3	1.1	0.3	31	0.06	0.042	24
1222425	Soil		1.1	20.1	21.1	51	<0.1	13.4	4.7	180	2.32	46.5	6.1	0.8	9	0.2	0.8	0.3	35	0.06	0.042	17
1222426	Soil		0.9	21.0	29.1	49	0.1	13.0	4.8	171	2.44	118.7	3.4	1.0	10	0.3	0.6	0.3	32	0.05	0.038	19
1222427	Soil		1.0	19.2	33.2	38	0.1	11.8	3.6	124	1.97	106.4	3.9	0.5	9	0.2	0.5	0.3	26	0.04	0.043	19
1222428	Soil		0.9	17.9	29.2	40	0.2	10.7	3.5	124	2.07	104.3	2.2	0.5	10	0.2	0.4	0.3	27	0.03	0.047	19
1222429	Soil		1.0	14.2	45.1	38	0.1	11.5	4.6	168	1.90	127.6	10.6	0.3	10	0.2	1.1	0.2	29	0.05	0.044	18
1222430	Soil		0.8	19.5	34.2	46	0.4	12.2	5.0	180	2.41	108.3	6.3	1.4	10	0.2	0.5	0.3	26	0.06	0.044	21
1222431	Soil		0.9	10.9	23.3	26	0.1	7.6	2.1	58	1.12	36.6	2.5	0.3	10	0.1	0.2	0.2	17	0.04	0.042	16
1222432	Soil		0.9	13.7	21.2	39	<0.1	10.0	3.3	119	1.80	42.5	7.9	2.0	9	0.1	0.4	0.2	25	0.07	0.042	18
1222433	Soil		0.8	12.1	18.8	33	<0.1	9.6	3.0	100	1.54	36.7	13.8	0.4	9	<0.1	0.3	0.2	24	0.06	0.037	18
1222434	Soil		0.6	10.7	19.3	24	<0.1	7.1	2.3	59	1.37	32.3	6.3	0.2	9	<0.1	0.3	0.2	22	0.04	0.043	14
1222435	Soil		1.0	10.4	14.2	42	<0.1	10.8	5.2	212	2.75	23.5	2.0	1.7	7	0.2	0.5	0.2	46	0.05	0.027	12
1222436	Soil		0.6	10.4	17.4	41	<0.1	11.6	3.2	98	1.41	16.1	35.7	0.3	7	0.1	0.4	0.1	26	0.07	0.030	13
1222437	Soil		0.7	15.8	226.8	80	0.4	11.7	3.8	133	1.64	85.3	15.5	0.6	8	0.5	0.6	0.5	28	0.10	0.041	14
1222438	Soil		0.7	11.2	15.8	43	0.1	12.2	4.4	161	1.62	17.0	1.9	0.7	9	0.2	0.4	0.2	29	0.10	0.042	13
1222439	Soil		0.7	14.1	22.1	43	0.2	13.9	5.0	160	1.80	45.5	10.6	0.6	9	0.2	0.5	0.2	29	0.08	0.044	16
1222440	Soil		0.7	15.3	16.0	34	<0.1	10.8	3.7	87	1.62	28.1	4.6	0.2	8	<0.1	0.3	0.2	30	0.06	0.039	12

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222411	Soil	26	0.40	118	0.027	<1	1.28	0.006	0.05	0.1	0.04	2.0	<0.1	<0.05	4	<0.5	<0.2
1222412	Soil	24	0.40	143	0.027	<1	1.38	0.006	0.05	0.2	0.04	2.9	<0.1	<0.05	4	<0.5	<0.2
1222413	Soil	22	0.32	85	0.024	<1	1.17	0.005	0.03	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1222414	Soil	23	0.33	82	0.024	<1	1.28	0.005	0.03	0.1	0.03	1.8	<0.1	<0.05	4	0.5	<0.2
1222415	Soil	24	0.32	79	0.039	<1	1.52	0.005	0.03	0.2	0.04	2.5	<0.1	<0.05	5	<0.5	<0.2
1222416	Soil	21	0.31	82	0.028	<1	1.10	0.005	0.03	0.2	0.05	2.0	<0.1	<0.05	4	<0.5	<0.2
1222417	Soil	22	0.31	103	0.031	<1	1.16	0.005	0.03	0.2	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
1222418	Soil	19	0.25	62	0.022	<1	0.88	0.005	0.03	0.1	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1222419	Soil	21	0.37	106	0.029	<1	1.17	0.005	0.03	0.1	0.05	2.3	<0.1	<0.05	3	<0.5	<0.2
1222420	Soil	25	0.40	151	0.034	<1	1.41	0.005	0.05	0.2	0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
1222421	Soil	26	0.38	106	0.036	<1	1.55	0.005	0.04	0.2	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1222422	Soil	18	0.26	91	0.039	1	0.96	0.005	0.06	0.4	0.02	1.4	<0.1	<0.05	4	0.6	<0.2
1222423	Soil	23	0.42	101	0.022	<1	1.31	0.006	0.04	0.2	0.04	1.4	<0.1	<0.05	4	<0.5	<0.2
1222424	Soil	21	0.41	96	0.016	<1	1.23	0.005	0.04	0.1	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1222425	Soil	21	0.38	92	0.018	<1	1.11	0.006	0.04	0.1	0.04	0.9	<0.1	<0.05	4	<0.5	<0.2
1222426	Soil	22	0.39	111	0.013	<1	1.27	0.004	0.04	0.1	0.04	1.1	0.1	<0.05	4	0.5	<0.2
1222427	Soil	18	0.30	71	0.007	<1	0.98	0.004	0.03	0.1	0.03	0.4	<0.1	<0.05	4	<0.5	<0.2
1222428	Soil	20	0.32	70	0.006	<1	1.03	0.004	0.03	0.1	0.02	0.3	<0.1	<0.05	4	<0.5	<0.2
1222429	Soil	18	0.28	65	0.009	<1	0.99	0.005	0.03	0.1	0.04	0.4	<0.1	<0.05	4	<0.5	<0.2
1222430	Soil	19	0.35	63	0.013	<1	1.11	0.004	0.03	0.1	0.02	0.8	<0.1	<0.05	3	0.5	<0.2
1222431	Soil	13	0.17	62	0.004	<1	0.73	0.005	0.03	<0.1	0.02	0.3	<0.1	<0.05	3	<0.5	<0.2
1222432	Soil	19	0.34	57	0.018	<1	1.02	0.004	0.04	0.2	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2
1222433	Soil	18	0.28	48	0.013	<1	0.83	0.004	0.03	0.1	0.02	0.4	<0.1	<0.05	3	0.6	<0.2
1222434	Soil	14	0.18	56	0.006	<1	0.73	0.005	0.02	0.1	0.05	0.2	<0.1	<0.05	3	<0.5	<0.2
1222435	Soil	22	0.31	52	0.033	<1	1.03	0.005	0.03	0.2	0.02	1.2	<0.1	<0.05	5	<0.5	<0.2
1222436	Soil	16	0.28	57	0.014	<1	0.80	0.005	0.03	0.2	0.06	0.6	<0.1	<0.05	3	<0.5	<0.2
1222437	Soil	18	0.29	61	0.016	<1	0.90	0.006	0.03	0.2	0.04	0.7	<0.1	<0.05	3	<0.5	<0.2
1222438	Soil	18	0.32	74	0.020	<1	0.92	0.005	0.03	0.2	0.03	0.7	<0.1	<0.05	3	<0.5	<0.2
1222439	Soil	19	0.32	77	0.018	<1	1.04	0.004	0.04	0.4	0.03	0.7	<0.1	<0.05	4	<0.5	<0.2
1222440	Soil	19	0.28	105	0.014	<1	1.08	0.005	0.03	0.2	0.04	0.6	<0.1	<0.05	4	<0.5	<0.2

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Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222441	Soil		0.9	9.3	14.4	34	<0.1	9.3	3.3	102	1.61	17.9	4.3	0.2	7	0.1	0.2	0.2	32	0.07	0.036	12
1222442	Soil		0.7	14.5	13.9	46	<0.1	14.6	5.1	152	1.82	18.0	4.9	1.7	8	0.1	0.4	0.1	32	0.08	0.039	13
1222443	Soil		0.6	10.0	20.5	26	<0.1	8.5	2.7	79	1.19	20.0	1.5	0.2	7	<0.1	0.3	0.2	26	0.05	0.028	12
1222444	Soil		0.5	8.5	12.5	30	<0.1	9.3	3.0	92	1.38	16.6	2.5	0.2	7	0.1	0.3	0.2	28	0.05	0.025	13
1222445	Soil		0.7	17.4	14.1	46	<0.1	15.1	6.1	201	1.95	19.3	4.6	1.0	9	<0.1	0.4	0.2	33	0.08	0.045	17
1222446	Soil		0.8	22.7	13.0	53	<0.1	18.7	8.2	292	2.17	21.9	3.9	3.2	10	0.1	0.5	0.2	33	0.09	0.038	17
1222447	Soil		1.0	16.0	13.6	48	0.1	14.1	6.6	250	2.07	23.6	9.1	1.5	11	0.2	0.5	0.2	36	0.11	0.046	16
1222448	Soil		0.8	13.5	10.9	39	<0.1	12.9	4.7	149	1.68	19.7	12.7	0.4	10	0.1	0.5	0.2	31	0.10	0.039	13
1222449	Soil		0.9	14.7	12.8	45	<0.1	14.7	5.5	206	1.91	30.2	3.9	1.5	9	0.2	0.5	0.1	33	0.08	0.037	16
1222450	Soil		0.8	16.9	10.8	49	<0.1	15.6	6.4	231	1.93	22.7	7.5	2.2	10	0.2	0.5	0.1	32	0.11	0.041	15
1222556	Soil		0.6	21.1	12.4	54	<0.1	20.1	7.6	223	2.12	15.1	3.6	4.4	11	0.3	0.5	0.1	34	0.11	0.038	14
1222557	Soil		1.2	17.9	13.6	69	<0.1	18.1	7.8	266	2.75	16.7	3.7	5.0	9	0.4	0.6	0.2	43	0.07	0.032	11
1222558	Soil		0.8	24.1	14.1	62	<0.1	20.5	8.6	253	2.59	21.5	5.7	6.0	9	0.2	0.5	0.2	38	0.07	0.026	17
1222559	Soil		1.0	18.5	49.3	75	0.2	15.8	6.5	207	2.20	24.7	5.1	3.2	11	0.3	0.5	0.2	35	0.10	0.039	15
1222560	Soil		0.9	13.5	56.7	60	0.3	14.9	5.8	228	2.05	26.5	2.1	1.3	13	0.2	0.6	0.2	37	0.12	0.043	16
1222561	Soil		0.7	33.5	24.7	72	<0.1	20.5	10.1	350	2.50	35.0	10.3	4.5	12	0.2	0.9	0.2	43	0.09	0.032	17
1222562	Soil		0.9	18.8	85.3	80	0.3	13.7	6.2	242	2.45	64.7	5.4	1.0	12	0.4	0.6	0.3	44	0.09	0.080	16
1222563	Soil		1.0	17.3	15.2	56	<0.1	14.9	7.8	280	2.39	20.0	3.7	2.1	11	0.1	0.5	0.2	40	0.09	0.046	16
1222564	Soil		1.0	13.4	15.3	60	0.2	13.8	5.7	221	2.45	21.0	<0.5	4.2	10	0.1	0.5	0.3	44	0.08	0.042	16
1222565	Soil		1.0	15.9	63.0	82	0.5	15.9	7.3	289	2.55	45.9	4.5	5.6	12	0.4	0.7	0.3	44	0.09	0.024	16
1222566	Soil		0.5	20.4	24.6	84	0.1	20.5	8.5	366	2.35	20.0	1.2	7.5	14	0.3	0.5	0.2	31	0.16	0.022	19
1222567	Soil		0.6	23.5	32.4	96	0.2	22.9	8.9	302	2.50	20.9	2.8	9.2	12	0.2	0.5	0.2	30	0.08	0.018	24
1222568	Soil		0.7	16.8	30.5	64	0.2	19.1	8.1	246	2.27	14.9	1.7	5.5	12	0.2	0.5	0.2	34	0.11	0.027	18
1222569	Soil		0.5	23.8	24.0	88	0.1	24.5	9.8	353	2.61	19.3	1.6	8.6	16	0.2	0.6	0.2	29	0.14	0.024	25
1222570	Soil		0.7	24.3	28.2	102	0.1	24.0	8.6	315	2.64	20.0	4.9	9.2	11	0.2	0.6	0.2	28	0.10	0.024	30
1222571	Soil		0.8	19.4	46.0	93	0.2	19.4	8.1	315	2.41	17.7	7.4	6.9	9	0.4	0.7	0.2	34	0.06	0.016	20
1222572	Soil		1.0	25.6	32.3	189	0.1	23.5	9.1	310	2.63	30.2	4.1	9.8	9	0.5	0.9	0.2	32	0.05	0.013	25
1222573	Soil		0.7	23.0	51.9	123	<0.1	18.9	7.5	302	2.33	18.2	3.9	8.6	9	0.3	0.8	0.2	30	0.06	0.015	27
1222574	Soil		0.7	22.7	35.0	82	<0.1	18.6	7.7	280	2.24	14.7	3.0	6.6	9	0.2	0.7	0.2	32	0.06	0.019	22
1222575	Soil		0.7	19.8	22.7	74	<0.1	16.8	6.8	208	2.21	16.4	6.3	6.2	10	0.2	0.6	0.2	36	0.08	0.027	19

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222441	Soil	18	0.28	62	0.017	<1	0.91	0.006	0.03	0.2	0.03	0.5	<0.1	<0.05	4	0.8	<0.2
1222442	Soil	19	0.34	91	0.025	<1	1.09	0.005	0.04	0.2	0.04	1.4	<0.1	<0.05	3	0.6	<0.2
1222443	Soil	14	0.20	69	0.012	<1	0.85	0.004	0.03	0.1	0.03	0.4	<0.1	<0.05	4	<0.5	<0.2
1222444	Soil	16	0.25	65	0.013	<1	0.87	0.004	0.03	0.2	0.03	0.6	<0.1	<0.05	4	<0.5	<0.2
1222445	Soil	21	0.36	129	0.022	<1	1.22	0.004	0.04	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1222446	Soil	21	0.46	120	0.031	<1	1.27	0.005	0.04	0.2	0.03	1.7	<0.1	<0.05	3	0.5	<0.2
1222447	Soil	22	0.38	131	0.024	<1	1.23	0.006	0.04	0.3	0.03	1.5	<0.1	<0.05	4	0.8	<0.2
1222448	Soil	17	0.30	95	0.019	<1	0.93	0.005	0.04	0.2	0.02	0.8	<0.1	<0.05	3	<0.5	<0.2
1222449	Soil	19	0.33	94	0.026	<1	1.07	0.005	0.04	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1222450	Soil	20	0.35	153	0.029	<1	1.08	0.005	0.04	0.3	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1222556	Soil	22	0.42	143	0.033	<1	1.33	0.006	0.05	0.2	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1222557	Soil	27	0.44	136	0.034	<1	1.47	0.005	0.05	0.2	0.03	2.2	0.1	<0.05	4	1.0	<0.2
1222558	Soil	25	0.44	165	0.032	<1	1.50	0.006	0.04	0.2	0.04	3.1	0.1	<0.05	3	<0.5	<0.2
1222559	Soil	23	0.40	129	0.026	<1	1.45	0.006	0.05	0.2	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
1222560	Soil	23	0.38	133	0.025	<1	1.27	0.005	0.05	0.2	0.02	1.2	0.1	0.07	5	<0.5	<0.2
1222561	Soil	27	0.45	164	0.039	2	1.46	0.006	0.05	0.2	0.05	3.6	0.1	0.08	4	<0.5	<0.2
1222562	Soil	24	0.37	154	0.022	<1	1.50	0.005	0.05	0.2	0.02	1.7	0.2	0.05	5	<0.5	<0.2
1222563	Soil	25	0.40	140	0.029	1	1.46	0.007	0.05	0.2	0.03	1.9	0.2	<0.05	5	<0.5	<0.2
1222564	Soil	23	0.37	135	0.026	1	1.45	0.005	0.06	0.2	0.04	2.1	0.2	<0.05	5	<0.5	<0.2
1222565	Soil	25	0.39	183	0.027	2	1.62	0.005	0.05	0.2	0.03	2.4	0.2	<0.05	5	<0.5	<0.2
1222566	Soil	23	0.45	172	0.021	<1	1.43	0.005	0.10	0.1	0.02	2.3	0.2	<0.05	5	<0.5	<0.2
1222567	Soil	25	0.48	200	0.024	<1	1.74	0.005	0.10	0.2	0.04	2.8	0.3	<0.05	5	<0.5	<0.2
1222568	Soil	22	0.42	182	0.022	<1	1.52	0.007	0.05	0.2	0.04	2.0	0.1	<0.05	4	<0.5	<0.2
1222569	Soil	24	0.52	166	0.019	<1	1.60	0.005	0.06	0.3	0.02	2.2	0.1	<0.05	5	<0.5	<0.2
1222570	Soil	25	0.51	157	0.022	1	1.55	0.004	0.06	0.2	0.03	2.2	0.1	<0.05	5	<0.5	<0.2
1222571	Soil	24	0.42	143	0.025	1	1.37	0.004	0.04	0.2	0.02	2.2	0.1	<0.05	4	<0.5	<0.2
1222572	Soil	27	0.46	149	0.017	<1	1.55	0.005	0.05	0.1	0.03	2.6	0.2	<0.05	4	0.6	<0.2
1222573	Soil	23	0.44	145	0.026	<1	1.34	0.004	0.05	0.2	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
1222574	Soil	23	0.43	142	0.031	<1	1.37	0.004	0.04	0.2	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
1222575	Soil	24	0.41	137	0.036	<1	1.35	0.005	0.05	0.2	0.04	2.5	0.1	<0.05	4	<0.5	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222576	Soil		0.7	24.6	67.4	182	<0.1	19.2	6.8	267	2.40	21.5	6.7	8.8	7	0.5	0.9	0.2	28	0.05	0.018	27
1222577	Soil		0.7	22.6	39.4	100	<0.1	16.1	6.5	233	2.12	12.5	5.6	6.9	8	0.3	0.8	0.2	30	0.06	0.025	23
1222578	Soil		1.0	25.5	16.1	62	<0.1	20.4	7.2	273	2.39	9.9	2.7	6.0	10	0.2	0.6	0.2	41	0.08	0.022	20
1222579	Soil		1.0	20.9	19.9	72	<0.1	24.7	13.3	351	2.85	14.7	3.2	5.3	9	0.3	0.9	0.2	46	0.06	0.027	17
1222580	Soil		1.2	18.9	17.4	66	0.1	18.0	8.4	284	2.49	15.7	7.2	5.9	9	0.3	0.8	0.2	41	0.08	0.026	20
1222581	Soil		1.0	26.9	15.8	58	<0.1	19.0	7.4	275	2.15	12.7	2.9	5.7	11	0.1	1.0	0.2	35	0.09	0.026	25
1222582	Soil		0.8	27.9	15.0	61	<0.1	21.1	7.6	352	2.44	11.3	3.8	6.3	14	0.1	0.6	0.2	34	0.14	0.031	27
1222583	Soil		0.6	19.2	10.6	41	<0.1	17.8	6.9	172	1.97	12.5	8.4	5.3	12	<0.1	0.7	0.1	34	0.11	0.038	18
1222584	Soil		0.6	17.3	22.5	42	<0.1	16.2	7.9	204	1.91	10.3	2.5	6.4	12	0.6	0.6	0.2	34	0.11	0.017	23
1222585	Soil		0.9	11.9	13.6	41	<0.1	16.7	6.2	137	2.07	7.3	1.5	4.7	11	<0.1	0.5	0.2	43	0.09	0.018	16
1222586	Soil		0.6	15.0	16.3	42	0.1	27.3	8.6	134	2.53	9.6	1.6	6.8	16	<0.1	0.5	0.2	42	0.20	0.033	20
1222587	Soil		0.4	18.5	13.8	43	<0.1	18.9	6.3	183	2.20	12.1	5.2	9.3	12	0.2	0.8	0.2	27	0.15	0.028	32
1222588	Soil		0.5	30.2	28.9	55	0.1	32.1	12.4	340	3.03	9.5	2.2	13.4	23	0.2	0.6	0.2	26	0.31	0.023	47
1222589	Soil		0.8	20.0	41.6	56	<0.1	34.3	10.0	197	2.94	16.3	2.3	6.5	12	1.4	2.0	0.2	58	0.15	0.014	20
1222590	Soil		0.8	13.6	18.2	46	<0.1	18.5	7.3	172	2.50	8.8	3.2	9.1	11	<0.1	0.7	0.2	37	0.12	0.014	24
1222591	Soil		0.7	18.9	15.4	50	<0.1	21.1	7.4	195	2.35	7.9	8.8	9.8	9	<0.1	0.8	0.2	27	0.08	0.013	31
1222592	Soil		0.8	20.7	14.4	50	<0.1	23.1	8.2	192	2.52	12.1	2.9	6.8	9	0.1	0.9	0.2	40	0.08	0.015	21
1222593	Soil		0.5	32.2	27.2	61	<0.1	30.0	10.5	547	3.13	18.6	4.8	15.9	25	0.4	1.8	0.3	18	0.37	0.042	46
1222594	Soil		0.7	28.8	16.2	67	<0.1	29.6	9.3	295	2.87	21.5	8.0	10.9	16	<0.1	4.5	0.2	32	0.22	0.041	36
1222595	Soil		0.5	15.2	12.2	51	<0.1	17.7	6.7	220	2.06	4.9	3.0	7.1	13	<0.1	0.5	0.2	24	0.17	0.031	20
1222596	Soil		0.7	14.2	262.1	134	2.7	15.1	5.0	226	2.27	23.6	7.1	6.2	9	0.7	1.8	0.2	30	0.09	0.020	16
1222597	Soil		0.4	21.4	102.7	132	0.4	21.4	7.8	335	2.41	15.3	5.1	9.9	16	0.6	1.0	0.2	19	0.25	0.036	31
1222598	Soil		0.5	17.0	21.9	49	<0.1	19.5	7.1	331	2.03	6.8	2.1	8.4	17	0.2	0.7	0.1	25	0.24	0.026	23
1222599	Soil		0.3	43.9	19.7	77	<0.1	33.9	12.6	255	3.29	2.8	1.6	19.8	38	<0.1	0.7	0.5	8	0.20	0.023	43
1222600	Soil		0.8	25.7	16.3	72	<0.1	35.0	13.9	371	3.07	16.9	5.5	17.8	18	<0.1	1.9	0.2	27	0.27	0.023	40
1222601	Soil		0.6	34.1	24.1	72	0.2	37.5	13.8	307	3.44	114.3	18.1	16.9	43	<0.1	350.0	0.4	16	0.85	0.054	38
1222602	Soil		0.5	25.4	18.2	48	0.1	25.0	8.6	337	2.50	20.2	6.2	8.2	26	<0.1	3.1	0.3	26	0.42	0.050	25
1222603	Soil		0.7	28.2	21.1	61	0.1	26.3	9.6	426	2.58	19.6	4.9	7.1	44	0.3	4.4	0.2	30	0.81	0.049	23
1222604	Soil		0.9	27.2	19.2	61	0.1	25.3	7.8	294	2.41	12.7	6.2	8.8	24	<0.1	2.2	0.2	32	0.34	0.039	23
1222605	Soil		0.8	20.2	16.0	43	<0.1	16.2	5.4	180	1.96	8.7	3.7	5.4	17	<0.1	1.1	0.1	32	0.18	0.029	21

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222576	Soil	20	0.37	114	0.019	1	1.31	0.004	0.04	0.1	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
1222577	Soil	20	0.31	123	0.025	<1	1.10	0.005	0.04	0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1222578	Soil	25	0.43	175	0.035	<1	1.50	0.005	0.04	0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
1222579	Soil	26	0.37	171	0.031	1	1.71	0.006	0.05	0.2	0.02	2.2	0.1	<0.05	5	<0.5	<0.2
1222580	Soil	25	0.42	152	0.031	<1	1.53	0.007	0.05	0.1	0.02	2.0	0.1	<0.05	5	0.6	<0.2
1222581	Soil	21	0.45	202	0.042	1	1.40	0.006	0.05	0.1	0.03	2.7	<0.1	<0.05	4	<0.5	<0.2
1222582	Soil	23	0.47	272	0.039	<1	1.41	0.007	0.05	0.2	0.04	3.2	<0.1	<0.05	4	<0.5	<0.2
1222583	Soil	21	0.34	162	0.039	1	1.16	0.005	0.04	0.2	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
1222584	Soil	21	0.34	174	0.035	<1	1.17	0.012	0.05	0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
1222585	Soil	23	0.33	177	0.034	2	1.44	0.006	0.06	0.2	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
1222586	Soil	33	0.38	242	0.022	<1	2.00	0.006	0.04	0.2	0.04	3.3	0.1	<0.05	5	<0.5	<0.2
1222587	Soil	19	0.30	205	0.014	<1	1.17	0.006	0.05	0.1	0.03	2.9	0.1	<0.05	3	<0.5	<0.2
1222588	Soil	22	0.39	221	0.010	<1	1.50	0.007	0.07	<0.1	0.03	4.0	0.1	<0.05	4	<0.5	<0.2
1222589	Soil	149	0.99	149	0.030	<1	1.88	0.020	0.05	0.1	0.02	4.8	0.2	<0.05	5	<0.5	<0.2
1222590	Soil	25	0.36	189	0.020	1	1.53	0.005	0.07	0.1	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1222591	Soil	24	0.43	162	0.018	<1	1.32	0.004	0.06	0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
1222592	Soil	37	0.44	179	0.025	1	1.50	0.009	0.05	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1222593	Soil	22	0.39	188	0.009	<1	1.20	0.008	0.06	<0.1	0.03	3.6	<0.1	<0.05	3	<0.5	<0.2
1222594	Soil	49	0.50	245	0.016	<1	1.26	0.005	0.05	0.2	0.03	3.9	<0.1	<0.05	3	<0.5	<0.2
1222595	Soil	17	0.30	232	0.010	<1	1.26	0.004	0.05	<0.1	0.03	2.2	0.1	<0.05	3	<0.5	<0.2
1222596	Soil	21	0.30	133	0.016	3	1.25	0.005	0.06	0.1	0.04	1.7	<0.1	<0.05	4	<0.5	<0.2
1222597	Soil	17	0.35	191	0.010	1	1.13	0.005	0.07	0.1	0.02	2.1	0.1	<0.05	3	<0.5	<0.2
1222598	Soil	19	0.31	254	0.013	1	1.14	0.007	0.05	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1222599	Soil	13	0.49	123	0.002	2	0.99	0.009	0.06	<0.1	0.02	1.3	<0.1	<0.05	2	<0.5	<0.2
1222600	Soil	66	0.40	140	0.008	2	0.79	0.004	0.06	0.1	0.02	4.4	<0.1	<0.05	2	<0.5	<0.2
1222601	Soil	38	0.30	118	0.004	2	0.68	0.004	0.05	0.1	0.03	2.9	<0.1	<0.05	2	<0.5	<0.2
1222602	Soil	20	0.31	193	0.016	<1	1.07	0.007	0.04	0.1	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
1222603	Soil	24	0.33	258	0.027	3	1.15	0.008	0.05	0.1	0.04	3.0	<0.1	<0.05	3	<0.5	<0.2
1222604	Soil	29	0.34	276	0.029	<1	1.18	0.008	0.06	0.2	0.03	3.6	<0.1	<0.05	3	<0.5	<0.2
1222605	Soil	21	0.32	259	0.031	<1	1.10	0.010	0.04	0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222606	Soil		0.6	21.1	13.2	48	<0.1	20.1	7.2	208	2.18	6.7	6.1	11.2	8	<0.1	1.2	0.2	20	0.07	0.021	37
1222607	Soil		0.5	14.1	9.5	38	<0.1	13.4	4.6	159	1.65	6.0	2.6	5.9	6	<0.1	0.7	0.1	15	0.03	0.016	19
1222608	Soil		0.6	14.6	12.8	34	<0.1	10.0	3.9	111	1.77	4.9	2.3	9.5	5	<0.1	1.5	0.2	19	0.04	0.017	34
1222609	Soil		0.6	16.5	8.7	40	<0.1	15.4	5.0	130	1.77	8.5	2.8	4.8	9	<0.1	0.7	0.1	30	0.08	0.023	15
1222610	Soil		0.5	19.5	10.6	35	<0.1	13.6	6.6	225	1.76	6.8	2.0	6.3	8	<0.1	0.7	0.1	24	0.07	0.017	22
1222611	Soil		0.7	25.6	29.5	315	<0.1	25.9	13.6	498	2.75	28.1	12.3	10.3	15	2.2	0.9	0.3	34	0.11	0.017	25
1222612	Soil		1.1	11.7	87.4	274	0.2	15.8	6.2	490	2.71	121.9	4.4	6.4	7	1.8	0.8	0.4	43	0.06	0.031	24
1222613	Soil		1.1	10.1	56.4	129	0.2	14.5	8.6	382	2.76	18.8	1.7	4.1	14	1.0	0.7	0.2	51	0.11	0.045	14
1222614	Soil		0.6	12.5	19.8	60	<0.1	13.6	4.3	144	2.06	12.7	1.9	1.2	12	0.7	0.6	0.2	37	0.11	0.050	13
1222615	Soil		0.7	18.1	78.4	157	0.5	19.8	7.8	337	2.34	20.5	1.9	2.5	15	0.9	0.7	0.2	37	0.13	0.042	22
1222616	Soil		0.8	23.4	81.1	138	0.3	20.9	11.1	511	2.31	30.0	3.8	6.0	12	1.0	0.7	0.2	34	0.10	0.048	22
1222617	Soil		0.6	18.7	24.5	77	<0.1	17.2	7.3	248	2.28	12.7	3.0	7.3	9	0.5	0.6	0.2	29	0.07	0.033	29
1222618	Soil		0.6	21.0	15.7	64	<0.1	20.0	8.8	326	2.12	15.1	3.6	6.5	11	0.4	0.9	0.2	31	0.08	0.030	28
1222619	Soil		0.7	19.6	15.8	57	<0.1	17.8	9.4	278	2.38	13.0	3.3	6.3	13	0.1	0.8	0.2	37	0.10	0.029	22
1222620	Soil		0.9	24.5	15.3	62	<0.1	21.1	11.1	362	2.57	13.5	5.1	7.0	12	0.2	0.8	0.2	44	0.10	0.039	24
1222621	Soil		0.9	21.1	15.2	48	0.2	16.2	6.2	256	2.14	11.7	2.8	4.4	13	0.2	0.5	0.2	36	0.11	0.054	23
1222622	Soil		0.7	21.5	12.3	53	<0.1	18.4	7.6	335	2.22	9.5	3.3	5.2	12	<0.1	0.8	0.2	32	0.10	0.030	25
1222623	Soil		0.7	21.0	12.9	52	<0.1	18.9	8.7	317	2.52	11.8	2.2	5.0	11	<0.1	0.7	0.2	37	0.09	0.032	28
1222624	Soil		0.9	18.1	11.5	47	<0.1	17.4	7.7	277	2.46	11.5	12.0	3.9	11	0.1	0.6	0.2	44	0.10	0.034	16
1222625	Soil		0.7	24.3	9.2	52	<0.1	20.4	8.1	315	2.18	12.5	9.6	5.4	12	<0.1	0.8	0.2	36	0.09	0.024	23
1222626	Soil		1.0	29.7	11.9	62	<0.1	24.1	9.7	368	2.62	13.6	2.2	5.4	19	0.1	0.9	0.2	48	0.15	0.038	20
1222627	Soil		0.9	16.1	11.9	46	<0.1	16.7	7.0	226	2.23	11.0	3.6	4.2	9	<0.1	0.6	0.2	41	0.07	0.024	19
1222628	Soil		0.8	20.4	12.5	54	<0.1	19.4	7.7	313	2.43	19.0	2.6	5.6	11	0.1	0.7	0.2	40	0.08	0.028	22
1222629	Soil		0.8	16.8	11.7	50	<0.1	15.4	6.5	317	2.06	12.6	1.6	0.9	10	0.2	0.6	0.2	37	0.11	0.067	17
1222630	Soil		1.0	18.1	13.8	50	<0.1	15.4	5.9	279	2.18	15.5	5.1	0.9	11	0.1	0.7	0.3	35	0.10	0.072	19
1222631	Soil		1.1	17.1	14.1	51	0.2	15.9	7.9	533	2.24	70.7	8.3	3.3	14	0.1	1.1	0.3	30	0.10	0.042	18
1222632	Soil		0.7	14.7	12.3	53	<0.1	15.0	6.1	291	2.10	15.5	1.1	3.3	10	0.1	0.9	0.2	31	0.11	0.054	18
1222633	Soil		0.7	18.4	12.0	48	<0.1	16.6	7.0	334	2.25	22.5	3.3	7.6	11	<0.1	0.9	0.2	27	0.10	0.025	25
1222634	Soil		0.8	12.3	13.1	45	<0.1	13.1	6.0	298	2.05	32.2	19.0	2.0	13	<0.1	0.9	0.2	30	0.14	0.045	17
1222635	Soil		0.8	15.8	12.5	46	<0.1	12.7	5.2	206	2.14	15.8	2.5	6.4	10	<0.1	0.7	0.2	34	0.07	0.025	21

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222606	Soil	16	0.38	145	0.015	1	0.97	0.004	0.06	<0.1	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1222607	Soil	11	0.23	72	0.017	2	0.72	0.003	0.04	0.1	0.01	1.0	<0.1	<0.05	2	<0.5	<0.2
1222608	Soil	14	0.21	84	0.012	<1	0.89	0.004	0.05	<0.1	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1222609	Soil	20	0.36	119	0.032	<1	1.15	0.005	0.04	0.1	<0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
1222610	Soil	17	0.27	163	0.026	<1	0.98	0.005	0.04	0.1	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1222611	Soil	26	0.51	205	0.033	<1	1.63	0.007	0.10	0.1	0.02	3.2	0.2	<0.05	5	0.7	<0.2
1222612	Soil	22	0.44	73	0.026	1	1.26	0.004	0.10	0.1	<0.01	1.4	0.2	<0.05	6	<0.5	<0.2
1222613	Soil	25	0.40	219	0.037	1	1.60	0.012	0.04	0.2	0.02	2.5	0.1	<0.05	5	0.6	<0.2
1222614	Soil	21	0.32	110	0.026	4	1.21	0.005	0.04	0.2	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
1222615	Soil	24	0.48	173	0.031	3	1.35	0.007	0.05	0.2	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
1222616	Soil	23	0.48	169	0.031	1	1.38	0.006	0.06	0.2	0.03	2.8	0.1	<0.05	4	<0.5	<0.2
1222617	Soil	20	0.42	104	0.021	2	1.37	0.005	0.04	0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1222618	Soil	21	0.46	144	0.028	1	1.35	0.007	0.05	0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1222619	Soil	21	0.46	222	0.037	1	1.51	0.006	0.05	0.2	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
1222620	Soil	28	0.49	234	0.040	2	1.79	0.007	0.06	0.2	0.04	3.9	0.1	<0.05	5	<0.5	<0.2
1222621	Soil	24	0.38	157	0.028	3	1.45	0.006	0.04	0.2	0.02	2.2	0.1	<0.05	5	0.6	<0.2
1222622	Soil	21	0.38	212	0.038	1	1.24	0.005	0.05	0.2	0.01	2.2	<0.1	<0.05	4	0.6	<0.2
1222623	Soil	23	0.48	172	0.029	<1	1.50	0.005	0.04	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1222624	Soil	27	0.41	142	0.041	<1	1.54	0.007	0.05	0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
1222625	Soil	22	0.45	186	0.041	2	1.34	0.006	0.05	0.2	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2
1222626	Soil	28	0.55	319	0.050	2	1.72	0.009	0.07	0.2	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
1222627	Soil	24	0.40	161	0.031	2	1.44	0.009	0.03	0.2	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
1222628	Soil	28	0.44	210	0.034	1	1.63	0.019	0.05	0.1	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
1222629	Soil	23	0.35	118	0.021	<1	1.39	0.004	0.04	0.2	0.02	0.9	<0.1	<0.05	5	<0.5	<0.2
1222630	Soil	21	0.38	160	0.018	2	1.38	0.005	0.05	0.2	0.03	1.2	0.1	<0.05	4	0.8	<0.2
1222631	Soil	21	0.34	147	0.011	<1	1.28	0.006	0.06	0.1	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
1222632	Soil	20	0.40	122	0.023	<1	1.18	0.009	0.05	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1222633	Soil	19	0.32	162	0.013	<1	1.19	0.005	0.05	0.2	0.03	2.0	<0.1	<0.05	3	0.5	<0.2
1222634	Soil	18	0.33	158	0.014	<1	1.12	0.005	0.05	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1222635	Soil	21	0.36	165	0.023	<1	1.33	0.006	0.05	0.2	0.03	3.0	0.1	<0.05	4	0.8	<0.2

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Project: LUG+TS
Report Date: November 12, 2011

CERTIFICATE OF ANALYSIS WHI11001045.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222636	Soil	0.6	14.5	18.2	40	<0.1	11.7	4.8	185	1.77	19.3	3.3	4.7	11	<0.1	0.8	0.2	23	0.11	0.045	22
1222637	Soil	0.6	15.4	12.9	43	<0.1	13.8	5.3	184	1.82	11.7	1.7	5.0	12	<0.1	0.6	0.2	25	0.10	0.041	21
1222638	Soil	0.8	16.2	14.9	50	<0.1	16.9	5.9	201	2.25	11.4	4.0	7.1	8	<0.1	0.7	0.3	24	0.06	0.028	26
1222639	Soil	0.6	16.3	13.2	49	<0.1	14.9	5.6	190	2.03	8.1	3.3	4.5	17	<0.1	0.6	0.2	26	0.17	0.038	22
1222640	Soil	0.6	12.6	10.7	41	<0.1	13.2	4.9	162	1.73	7.2	2.5	3.2	18	<0.1	0.5	0.2	26	0.19	0.044	17
1222641	Soil	0.8	20.6	16.1	54	0.1	17.4	6.8	260	2.26	14.2	3.9	7.3	11	0.1	0.7	0.2	30	0.08	0.026	27
1222642	Soil	0.6	14.2	25.9	51	<0.1	13.4	5.6	190	1.83	22.7	2.2	9.4	11	0.2	1.0	0.2	22	0.08	0.028	28
1222643	Soil	0.6	17.1	20.3	58	0.2	16.5	6.2	228	2.05	10.8	<0.5	8.1	19	<0.1	0.8	0.2	21	0.19	0.041	28
1222644	Soil	0.7	20.4	13.8	53	<0.1	17.8	6.8	289	2.12	10.7	2.2	4.6	14	0.1	1.0	0.2	28	0.13	0.038	24
1222645	Soil	0.6	21.3	14.4	54	<0.1	19.2	6.3	274	2.23	10.2	0.7	8.8	16	<0.1	1.5	0.2	24	0.22	0.036	30
1222646	Soil	0.7	19.5	17.9	47	<0.1	20.2	5.8	215	2.13	12.2	3.0	10.4	17	<0.1	14.5	0.2	21	0.18	0.018	30
1222647	Soil	0.5	18.6	19.0	51	<0.1	21.1	7.8	401	2.17	17.0	2.1	12.0	15	<0.1	15.1	0.2	14	0.28	0.037	31
1222648	Soil	0.6	23.3	25.4	62	0.1	26.0	9.7	382	2.91	8.6	3.4	12.0	32	0.1	3.7	0.4	23	0.70	0.035	28
1222649	Soil	0.5	26.1	42.1	76	0.1	33.4	13.7	268	2.92	37.2	13.4	22.2	25	0.1	11.5	0.3	5	0.36	0.030	49
1222650	Soil	0.3	31.2	27.4	74	<0.1	30.7	12.9	352	3.15	13.0	1.8	26.6	25	<0.1	5.0	0.4	5	0.48	0.035	54
1222651	Soil	0.7	8.2	17.1	34	0.1	9.4	3.4	151	1.81	10.3	3.6	0.6	10	0.2	0.5	0.2	28	0.09	0.041	11
1222652	Soil	0.9	25.6	19.6	62	0.2	22.0	12.6	769	2.95	14.1	1.4	4.4	14	0.1	0.9	0.3	28	0.12	0.063	21
1222653	Soil	0.8	25.1	23.4	64	0.4	23.8	7.9	252	2.63	18.6	3.4	5.2	12	0.1	0.5	0.3	32	0.11	0.052	23
1222654	Soil	1.0	28.7	15.9	66	0.2	22.4	7.9	256	2.64	13.3	3.3	2.6	11	0.1	0.6	0.2	38	0.11	0.060	19
1222655	Soil	0.9	26.7	16.4	62	0.3	20.5	10.8	455	2.37	13.5	0.9	1.5	10	0.1	0.5	0.2	35	0.09	0.059	16

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222636	Soil	15	0.26	136	0.013	<1	0.91	0.005	0.05	0.1	0.02	1.4	<0.1	<0.05	3	0.5	<0.2
1222637	Soil	17	0.33	180	0.015	<1	1.02	0.006	0.04	0.2	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1222638	Soil	18	0.39	97	0.012	<1	1.29	0.004	0.05	0.1	0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
1222639	Soil	17	0.37	198	0.023	<1	1.20	0.006	0.05	0.2	0.01	1.5	<0.1	<0.05	4	1.1	<0.2
1222640	Soil	17	0.33	177	0.018	<1	1.03	0.006	0.04	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1222641	Soil	21	0.38	185	0.019	<1	1.25	0.007	0.05	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1222642	Soil	15	0.29	132	0.016	<1	1.04	0.005	0.06	0.1	0.01	1.4	<0.1	<0.05	3	0.6	<0.2
1222643	Soil	18	0.40	178	0.011	<1	1.13	0.006	0.05	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1222644	Soil	17	0.34	251	0.022	<1	1.08	0.006	0.05	0.1	0.02	2.0	<0.1	<0.05	3	0.5	<0.2
1222645	Soil	16	0.30	234	0.018	1	0.97	0.006	0.05	0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1222646	Soil	18	0.27	249	0.013	<1	1.00	0.006	0.05	0.1	0.03	2.8	<0.1	<0.05	3	0.5	<0.2
1222647	Soil	12	0.24	213	0.008	1	0.86	0.005	0.06	<0.1	0.02	1.9	<0.1	<0.05	2	0.6	<0.2
1222648	Soil	16	0.32	216	0.013	1	1.05	0.009	0.06	0.1	0.03	2.2	<0.1	<0.05	3	0.6	<0.2
1222649	Soil	7	0.13	100	<0.001	1	0.42	0.004	0.15	<0.1	0.02	1.3	<0.1	<0.05	1	0.6	<0.2
1222650	Soil	7	0.25	80	0.001	1	0.53	0.004	0.13	<0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
1222651	Soil	16	0.24	67	0.015	1	0.87	0.004	0.03	0.2	0.05	0.8	<0.1	<0.05	4	<0.5	<0.2
1222652	Soil	22	0.46	239	0.008	<1	1.43	0.006	0.05	0.2	0.04	2.0	<0.1	<0.05	4	0.5	<0.2
1222653	Soil	25	0.48	177	0.014	<1	1.58	0.005	0.05	0.3	0.04	1.8	<0.1	<0.05	5	<0.5	<0.2
1222654	Soil	25	0.45	165	0.018	<1	1.56	0.005	0.05	0.2	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
1222655	Soil	23	0.40	146	0.015	<1	1.41	0.005	0.05	0.2	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2

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QUALITY CONTROL REPORT WHI11001045.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1205467	Soil	0.8	13.9	9.5	40	<0.1	16.2	6.5	153	2.15	14.9	5.2	4.2	8	0.1	0.9	0.2	36	0.06	0.025	11
REP 1205467	QC	0.7	13.5	9.5	40	<0.1	15.5	6.3	151	2.14	14.6	3.7	4.1	8	0.2	0.7	0.2	35	0.06	0.026	11
1205469	Soil	1.3	13.8	21.2	66	0.3	21.8	6.7	431	2.31	10.0	3.1	5.6	28	0.2	0.5	0.2	37	0.18	0.034	16
REP 1205469	QC	1.2	13.8	19.6	65	0.3	21.5	6.7	424	2.31	10.0	1.5	5.7	29	0.3	0.5	0.2	39	0.18	0.035	16
1222271	Soil	0.7	17.4	9.5	47	<0.1	14.7	5.2	131	1.97	9.1	3.3	2.9	19	<0.1	0.6	0.2	34	0.22	0.062	14
REP 1222271	QC	0.6	17.7	9.2	49	<0.1	15.5	5.2	130	1.96	9.0	8.4	2.8	19	<0.1	0.7	0.2	35	0.22	0.063	14
1222287	Soil	1.0	18.5	16.4	58	<0.1	23.6	9.3	409	2.43	8.5	0.6	8.1	16	<0.1	4.7	0.2	23	0.23	0.038	28
REP 1222287	QC	1.1	18.7	16.8	58	0.1	24.7	9.6	427	2.45	8.9	1.5	8.1	16	<0.1	4.1	0.2	24	0.24	0.038	29
1222303	Soil	0.7	8.6	18.0	35	<0.1	8.5	2.9	130	1.75	8.4	0.7	0.9	10	0.2	0.6	0.8	37	0.04	0.023	15
REP 1222303	QC	0.7	8.4	18.0	36	<0.1	8.6	3.0	130	1.72	8.7	2.6	1.0	10	0.2	0.6	0.8	36	0.04	0.024	15
1222311	Soil	0.8	26.5	10.8	63	<0.1	17.8	7.2	238	2.07	41.1	2.1	4.3	12	0.2	0.6	0.2	32	0.15	0.058	13
REP 1222311	QC	0.7	26.0	10.5	62	<0.1	17.4	7.1	232	2.00	40.9	4.4	4.6	12	0.2	0.6	0.2	33	0.14	0.057	13
1222325	Soil	0.9	17.0	14.3	47	<0.1	14.2	5.2	196	1.95	9.7	6.5	0.9	12	0.2	0.5	0.2	38	0.10	0.039	13
REP 1222325	QC	0.9	17.3	13.7	46	<0.1	14.4	5.3	194	1.95	9.7	1.3	0.7	12	0.2	0.6	0.3	39	0.09	0.037	12
1222348	Soil	0.7	23.8	16.5	92	<0.1	21.6	9.2	352	2.53	17.2	4.6	4.9	8	0.1	0.5	0.2	31	0.06	0.037	24
REP 1222348	QC	0.8	25.6	17.5	93	<0.1	23.8	9.8	361	2.68	18.8	3.1	4.9	8	0.2	0.6	0.2	32	0.06	0.039	25
1222365	Soil	0.7	17.6	19.0	44	0.1	19.7	7.6	186	2.57	21.9	5.4	5.8	9	0.2	0.5	0.2	41	0.08	0.019	16
REP 1222365	QC	0.8	17.7	16.9	44	<0.1	18.3	7.7	183	2.60	21.1	4.2	5.8	8	<0.1	0.5	0.2	41	0.07	0.017	16
1222379	Soil	0.9	16.1	12.1	49	<0.1	14.4	5.7	159	1.86	10.6	3.7	2.5	10	<0.1	0.5	0.2	30	0.11	0.046	14
REP 1222379	QC	0.7	15.6	11.8	49	<0.1	14.7	5.6	153	1.82	10.9	14.3	2.4	10	0.1	0.4	0.2	30	0.12	0.044	13
1222409	Soil	0.9	14.8	15.9	59	<0.1	15.8	7.8	279	2.13	11.4	53.4	1.2	12	0.1	0.6	0.3	35	0.07	0.042	17
REP 1222409	QC	0.9	14.3	15.2	59	<0.1	15.8	7.9	283	2.15	11.4	1.7	1.2	12	0.1	0.6	0.4	36	0.07	0.042	18
1222422	Soil	0.8	19.3	10.3	45	<0.1	15.4	4.9	151	2.06	14.4	14.0	4.0	10	0.3	0.5	0.2	38	0.08	0.029	14
REP 1222422	QC	0.8	18.9	10.0	44	<0.1	14.6	4.9	143	2.01	14.3	7.1	4.0	10	0.3	0.4	0.2	37	0.08	0.030	14
1222445	Soil	0.7	17.4	14.1	46	<0.1	15.1	6.1	201	1.95	19.3	4.6	1.0	9	<0.1	0.4	0.2	33	0.08	0.045	17
REP 1222445	QC	0.8	17.4	14.1	43	<0.1	14.8	6.1	198	1.95	19.3	4.8	1.1	9	0.2	0.4	0.2	32	0.09	0.047	16
1222565	Soil	1.0	15.9	63.0	82	0.5	15.9	7.3	289	2.55	45.9	4.5	5.6	12	0.4	0.7	0.3	44	0.09	0.024	16
REP 1222565	QC	1.1	16.3	62.9	84	0.5	15.7	7.4	297	2.64	47.5	2.0	5.5	12	0.3	0.6	0.3	46	0.10	0.024	16

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1205467	Soil	21	0.32	99	0.033	<1	1.26	0.005	0.04	0.2	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
REP 1205467	QC	20	0.32	98	0.031	<1	1.24	0.005	0.04	0.2	0.04	1.7	<0.1	<0.05	3	<0.5	<0.2
1205469	Soil	29	0.34	170	0.017	<1	1.15	0.007	0.04	0.2	0.02	3.0	0.1	<0.05	4	<0.5	<0.2
REP 1205469	QC	28	0.35	169	0.020	<1	1.19	0.008	0.04	0.2	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
1222271	Soil	21	0.40	204	0.029	<1	1.24	0.007	0.04	0.2	0.05	2.3	<0.1	<0.05	4	<0.5	<0.2
REP 1222271	QC	20	0.41	206	0.029	<1	1.28	0.006	0.04	0.2	0.05	2.2	<0.1	<0.05	3	<0.5	<0.2
1222287	Soil	21	0.54	175	0.010	1	1.32	0.006	0.07	0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
REP 1222287	QC	22	0.55	179	0.011	<1	1.33	0.006	0.07	0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1222303	Soil	16	0.21	68	0.019	1	0.86	0.004	0.03	<0.1	0.02	0.9	0.1	<0.05	5	<0.5	<0.2
REP 1222303	QC	15	0.22	69	0.019	1	0.93	0.003	0.03	<0.1	0.02	0.9	0.1	<0.05	5	<0.5	<0.2
1222311	Soil	20	0.35	105	0.027	<1	1.06	0.006	0.05	0.5	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
REP 1222311	QC	20	0.34	107	0.027	1	1.05	0.005	0.05	0.5	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1222325	Soil	19	0.28	113	0.019	<1	1.12	0.006	0.04	0.2	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
REP 1222325	QC	19	0.27	109	0.019	1	1.14	0.005	0.04	0.2	0.04	1.2	<0.1	<0.05	4	<0.5	<0.2
1222348	Soil	31	0.40	115	0.022	<1	1.18	0.004	0.05	0.1	0.02	2.4	0.1	<0.05	3	<0.5	<0.2
REP 1222348	QC	32	0.42	121	0.022	<1	1.23	0.006	0.05	0.1	0.03	2.5	<0.1	<0.05	3	0.8	<0.2
1222365	Soil	24	0.32	153	0.035	<1	1.55	0.007	0.04	0.2	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
REP 1222365	QC	23	0.33	150	0.034	2	1.56	0.008	0.04	0.1	0.03	2.8	<0.1	<0.05	4	<0.5	<0.2
1222379	Soil	20	0.33	132	0.037	<1	1.07	0.005	0.03	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
REP 1222379	QC	19	0.32	131	0.028	<1	1.03	0.006	0.03	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1222409	Soil	21	0.31	116	0.020	<1	1.10	0.005	0.04	0.2	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
REP 1222409	QC	21	0.31	115	0.023	<1	1.11	0.005	0.04	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1222422	Soil	18	0.26	91	0.039	1	0.96	0.005	0.06	0.4	0.02	1.4	<0.1	<0.05	4	0.6	<0.2
REP 1222422	QC	19	0.26	90	0.037	<1	0.91	0.005	0.06	0.4	0.03	1.4	<0.1	<0.05	4	0.7	<0.2
1222445	Soil	21	0.36	129	0.022	<1	1.22	0.004	0.04	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
REP 1222445	QC	22	0.36	125	0.021	<1	1.20	0.005	0.04	0.2	0.02	1.6	<0.1	<0.05	4	0.6	<0.2
1222565	Soil	25	0.39	183	0.027	2	1.62	0.005	0.05	0.2	0.03	2.4	0.2	<0.05	5	<0.5	<0.2
REP 1222565	QC	26	0.38	184	0.029	2	1.62	0.005	0.05	0.1	0.04	2.4	0.2	<0.05	5	<0.5	<0.2

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56th Floor - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: LUG+TS
Report Date: November 12, 2011

QUALITY CONTROL REPORT WHI11001045.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222583	Soil	0.6	19.2	10.6	41	<0.1	17.8	6.9	172	1.97	12.5	8.4	5.3	12	<0.1	0.7	0.1	34	0.11	0.038	18
REP 1222583	QC	0.6	19.6	15.9	43	<0.1	17.9	7.0	176	1.98	12.7	3.8	5.1	12	0.4	0.7	0.1	35	0.13	0.037	18
1222604	Soil	0.9	27.2	19.2	61	0.1	25.3	7.8	294	2.41	12.7	6.2	8.8	24	<0.1	2.2	0.2	32	0.34	0.039	23
REP 1222604	QC	1.0	28.7	19.4	64	0.1	25.3	8.2	300	2.58	12.1	1.7	8.9	25	0.1	2.4	0.2	32	0.33	0.039	23
1222614	Soil	0.6	12.5	19.8	60	<0.1	13.6	4.3	144	2.06	12.7	1.9	1.2	12	0.7	0.6	0.2	37	0.11	0.050	13
REP 1222614	QC	0.8	12.6	19.8	62	<0.1	12.9	4.0	152	1.96	13.2	2.2	1.4	12	0.6	0.5	0.2	37	0.12	0.053	13
1222640	Soil	0.6	12.6	10.7	41	<0.1	13.2	4.9	162	1.73	7.2	2.5	3.2	18	<0.1	0.5	0.2	26	0.19	0.044	17
REP 1222640	QC	0.7	13.8	11.1	46	<0.1	13.5	5.3	172	1.85	8.1	0.9	3.3	20	<0.1	0.5	0.2	28	0.22	0.047	18
Reference Materials																					
STD DS8	Standard	12.7	105.4	130.6	306	1.8	35.3	7.1	598	2.38	24.7	112.0	6.5	68	2.6	5.4	6.3	41	0.66	0.079	15
STD DS8	Standard	12.9	101.0	133.9	317	1.9	35.5	7.0	616	2.51	26.2	113.9	7.3	79	2.3	6.6	7.7	40	0.69	0.081	16
STD DS8	Standard	12.4	111.3	123.8	303	1.8	34.7	6.9	561	2.32	24.6	102.6	6.6	66	2.2	5.7	7.4	38	0.65	0.075	14
STD DS8	Standard	12.0	101.4	124.7	308	1.8	35.8	6.9	611	2.46	25.5	105.8	6.8	77	2.1	6.4	7.2	41	0.71	0.079	16
STD DS8	Standard	12.3	102.0	123.7	293	1.7	36.1	6.8	582	2.32	24.7	103.0	6.7	72	2.3	5.9	7.0	38	0.64	0.075	15
STD DS8	Standard	13.1	110.4	123.5	305	1.9	37.6	7.6	615	2.43	25.4	157.1	6.7	70	2.4	6.1	6.6	41	0.65	0.082	15
STD DS8	Standard	12.9	100.4	125.0	290	1.9	33.7	6.7	600	2.39	23.7	122.6	6.9	72	2.4	6.0	7.3	40	0.70	0.081	16
STD DS8	Standard	11.2	111.0	127.4	303	1.8	36.4	7.2	576	2.36	25.0	120.1	6.3	62	2.3	5.0	6.2	41	0.61	0.078	12
STD DS8	Standard	12.3	107.8	127.7	304	1.9	36.2	7.2	599	2.60	24.8	108.4	6.8	65	2.7	5.2	6.2	41	0.67	0.077	15
STD DS8	Standard	12.4	105.2	126.1	307	1.9	37.1	7.1	583	2.60	23.9	106.3	7.0	64	2.2	5.0	5.8	40	0.67	0.081	14
STD DS8	Standard	12.6	109.0	121.0	332	1.8	36.7	7.3	565	2.33	22.7	157.7	6.3	80	2.2	8.0	8.2	41	0.62	0.094	16
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Project: LUG+TS
Report Date: November 12, 2011

QUALITY CONTROL REPORT WHI11001045.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222583	Soil	21	0.34	162	0.039	1	1.16	0.005	0.04	0.2	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
REP 1222583	QC	22	0.34	165	0.041	1	1.13	0.008	0.04	0.2	0.03	2.7	<0.1	<0.05	3	<0.5	<0.2
1222604	Soil	29	0.34	276	0.029	<1	1.18	0.008	0.06	0.2	0.03	3.6	<0.1	<0.05	3	<0.5	<0.2
REP 1222604	QC	28	0.36	278	0.031	2	1.22	0.008	0.06	0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
1222614	Soil	21	0.32	110	0.026	4	1.21	0.005	0.04	0.2	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
REP 1222614	QC	20	0.30	107	0.023	2	1.14	0.005	0.04	0.1	0.02	1.3	0.1	<0.05	4	<0.5	<0.2
1222640	Soil	17	0.33	177	0.018	<1	1.03	0.006	0.04	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
REP 1222640	QC	17	0.36	185	0.018	<1	1.10	0.006	0.05	0.3	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	112	0.60	272	0.114	2	0.92	0.097	0.41	2.8	0.23	2.1	5.4	0.15	5	5.2	4.6
STD DS8	Standard	111	0.62	287	0.117	3	0.95	0.117	0.46	3.1	0.21	2.7	5.5	0.13	5	6.3	5.1
STD DS8	Standard	107	0.58	264	0.106	3	0.87	0.097	0.42	2.8	0.20	2.6	5.4	0.18	5	4.8	4.7
STD DS8	Standard	112	0.61	288	0.123	3	0.96	0.108	0.44	3.2	0.21	2.7	5.2	0.14	5	4.9	5.5
STD DS8	Standard	110	0.58	278	0.118	2	0.86	0.086	0.39	3.1	0.19	2.3	5.2	0.13	5	4.9	4.7
STD DS8	Standard	116	0.61	289	0.115	3	0.90	0.093	0.40	3.1	0.21	2.4	5.7	0.20	5	4.7	4.8
STD DS8	Standard	109	0.66	285	0.113	2	0.97	0.093	0.40	3.0	0.17	2.0	5.1	0.13	5	3.7	4.8
STD DS8	Standard	112	0.58	234	0.099	2	0.84	0.084	0.40	2.8	0.22	2.1	5.4	0.14	4	4.6	4.5
STD DS8	Standard	114	0.62	276	0.119	2	0.89	0.097	0.41	3.0	0.19	2.3	5.4	0.19	5	4.2	5.0
STD DS8	Standard	114	0.63	272	0.114	2	0.89	0.087	0.41	3.0	0.21	2.1	5.2	0.14	5	5.8	5.4
STD DS8	Standard	112	0.57	249	0.133	2	0.83	0.075	0.36	2.7	0.18	2.4	5.2	0.16	5	4.9	4.8
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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QUALITY CONTROL REPORT WHI11001045.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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		1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: August 11, 2011
Report Date: September 29, 2011
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI11001046.1

CLIENT JOB INFORMATION

Project: LUG+TS
Shipment ID: LUGTS(43-61)
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	320	Saving all or part of Soil Reject			WHI
1DX2	318	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Goldspike Exploration Inc.
56th Floor - 100 King Street West
Toronto ON M5X 1C9
Canada

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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56th Floor - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222656	Soil	0.9	27.5	13.3	68	0.2	22.9	10.3	341	2.24	12.4	25.0	4.6	12	0.2	0.7	0.2	35	0.15	0.074	16
1222657	Soil	1.0	18.8	14.7	53	<0.1	15.6	5.5	193	2.22	13.6	1.5	0.8	9	<0.1	0.6	0.2	38	0.09	0.061	12
1222658	Soil	0.8	19.3	11.5	45	0.1	14.6	4.9	145	2.00	11.1	1.3	0.6	10	<0.1	0.5	0.2	37	0.10	0.066	12
1222659	Soil	1.0	26.5	15.3	61	0.2	19.6	7.3	240	2.41	14.7	<0.5	1.8	11	0.1	0.6	0.2	34	0.13	0.058	16
1222660	Soil	0.8	28.0	12.5	62	0.1	21.3	9.2	333	2.50	12.4	6.1	3.5	13	0.2	0.7	0.2	30	0.12	0.058	16
1222661	Soil	0.8	24.4	11.8	57	0.1	18.5	8.3	278	2.17	14.5	1.2	2.0	10	0.1	0.6	0.1	32	0.11	0.055	17
1222662	Soil	1.0	17.4	10.1	57	<0.1	16.8	6.5	205	2.02	11.3	0.5	1.0	9	0.2	0.6	0.2	36	0.11	0.059	15
1222663	Soil	0.9	22.4	10.2	59	0.1	19.7	7.5	270	2.20	11.4	7.2	1.2	10	0.1	0.6	0.1	36	0.11	0.060	16
1222664	Soil	1.0	19.4	10.9	50	<0.1	15.8	6.0	171	2.20	12.0	<0.5	0.9	9	<0.1	0.5	0.2	40	0.10	0.063	14
1222665	Soil	1.1	26.6	11.8	56	0.1	17.9	8.2	267	2.50	12.3	3.0	5.8	13	0.2	0.6	0.3	34	0.12	0.049	23
1222666	Soil	0.8	21.9	16.6	54	<0.1	18.9	7.3	253	2.03	18.7	1.2	4.3	12	0.2	0.6	0.2	31	0.15	0.058	16
1222667	Soil	1.1	29.7	13.3	57	0.1	20.2	7.1	180	2.67	21.4	2.3	3.1	12	0.1	0.6	0.2	37	0.08	0.044	18
1222668	Soil	1.2	9.8	12.0	29	<0.1	9.0	3.6	109	2.07	13.4	3.1	1.6	8	<0.1	0.5	0.2	51	0.05	0.030	11
1222669	Soil	1.1	18.1	16.7	27	0.1	11.8	4.1	74	2.10	13.4	1.6	0.3	10	0.3	0.4	0.2	39	0.07	0.067	12
1222670	Soil	1.0	27.1	22.1	59	0.1	14.4	6.2	173	2.95	17.6	2.2	4.6	14	0.2	0.5	0.4	28	0.07	0.051	25
1222671	Soil	0.9	19.5	16.3	44	<0.1	14.3	5.3	177	2.78	33.3	4.0	2.4	11	0.1	0.6	0.3	36	0.08	0.042	16
1222672	Soil	1.6	22.9	22.2	35	0.7	7.3	3.0	122	2.46	223.1	5.3	7.2	13	<0.1	0.5	0.4	30	0.03	0.047	32
1222673	Soil	1.1	31.6	17.4	58	0.2	15.0	6.1	179	2.98	12.9	2.2	3.6	13	0.1	0.5	0.4	32	0.05	0.053	20
1222674	Soil	1.4	19.8	19.9	57	<0.1	16.0	6.9	267	2.90	14.5	2.9	1.8	12	0.1	0.7	0.3	45	0.09	0.054	15
1222675	Soil	1.1	37.8	24.2	66	0.3	21.1	9.7	284	3.09	17.9	10.5	5.8	15	0.2	0.7	0.4	37	0.11	0.055	17
1222676	Soil	1.0	32.3	16.9	66	<0.1	20.5	8.6	199	3.25	13.4	2.6	6.9	11	0.2	0.6	0.3	36	0.07	0.041	21
1222677	Soil	1.0	25.4	15.9	55	<0.1	18.6	8.0	183	2.61	12.2	2.9	2.2	10	0.1	0.5	0.2	37	0.10	0.047	19
1222678	Soil	1.0	21.2	27.4	30	0.5	15.5	4.0	65	1.36	6.8	1.6	0.4	19	0.3	0.3	0.2	15	0.14	0.084	15
1222679	Soil	1.1	23.5	14.1	67	<0.1	24.3	8.7	239	2.72	10.2	0.7	4.6	12	0.2	0.6	0.2	34	0.13	0.054	18
1222680	Soil	0.8	21.4	24.8	63	<0.1	21.3	8.9	238	2.69	11.8	1.4	6.3	9	<0.1	0.6	0.2	30	0.06	0.033	18
1222681	Soil	0.9	39.7	22.6	75	0.1	25.0	10.5	178	3.91	9.2	4.7	12.5	10	0.1	0.5	0.3	33	0.04	0.032	20
1222682	Soil	1.2	13.0	14.6	33	0.3	10.0	4.7	154	2.97	10.9	0.8	3.1	7	0.2	0.6	0.2	52	0.06	0.036	11
1222683	Soil	1.7	20.6	24.5	59	0.1	21.5	11.2	448	2.78	16.8	1.6	1.7	8	0.2	0.7	0.2	36	0.09	0.060	15
1222684	Soil	0.8	18.4	14.4	63	0.1	24.8	9.7	241	2.99	12.6	<0.5	4.8	8	0.2	0.6	0.2	35	0.08	0.028	18
1222685	Soil	0.8	24.9	16.4	76	<0.1	30.8	14.2	267	3.45	12.9	<0.5	5.7	11	<0.1	0.4	0.2	37	0.07	0.036	22

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222656	Soil	22	0.37	112	0.030	1	1.10	0.006	0.04	0.6	0.02	2.3	<0.1	0.06	3	0.7	<0.2
1222657	Soil	23	0.37	104	0.022	3	1.16	0.005	0.04	0.4	0.02	1.2	<0.1	0.08	4	0.7	<0.2
1222658	Soil	22	0.32	95	0.013	1	1.16	0.004	0.03	0.3	0.05	0.8	0.1	0.06	4	<0.5	<0.2
1222659	Soil	23	0.40	100	0.023	2	1.27	0.004	0.04	0.2	0.03	1.4	<0.1	<0.05	4	0.9	<0.2
1222660	Soil	24	0.42	110	0.025	2	1.23	0.006	0.04	0.2	<0.01	1.6	<0.1	0.05	4	0.7	<0.2
1222661	Soil	21	0.40	106	0.024	<1	1.21	0.004	0.04	0.2	0.02	1.9	<0.1	<0.05	4	0.9	<0.2
1222662	Soil	23	0.38	97	0.022	2	1.36	0.004	0.04	0.2	0.04	1.3	<0.1	<0.05	4	1.0	<0.2
1222663	Soil	24	0.38	108	0.023	<1	1.40	0.004	0.04	0.2	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
1222664	Soil	22	0.36	109	0.018	1	1.38	0.005	0.04	0.2	0.02	1.2	0.1	<0.05	5	0.5	<0.2
1222665	Soil	24	0.48	138	0.033	<1	1.33	0.006	0.05	0.2	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
1222666	Soil	19	0.39	83	0.032	<1	1.01	0.005	0.04	0.2	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
1222667	Soil	26	0.47	107	0.021	<1	1.56	0.006	0.05	0.2	0.03	2.0	0.1	<0.05	4	0.9	<0.2
1222668	Soil	18	0.22	100	0.023	<1	1.21	0.004	0.03	0.2	0.03	1.3	0.1	<0.05	5	0.7	<0.2
1222669	Soil	21	0.21	164	0.011	2	1.46	0.004	0.03	0.1	0.05	0.5	0.1	<0.05	5	0.8	<0.2
1222670	Soil	22	0.53	105	0.017	<1	1.72	0.006	0.05	0.1	0.01	1.5	0.1	<0.05	5	0.6	<0.2
1222671	Soil	23	0.35	76	0.027	<1	1.28	0.005	0.05	0.2	0.04	1.6	0.1	<0.05	5	<0.5	<0.2
1222672	Soil	17	0.29	51	0.017	<1	0.88	0.007	0.05	0.1	0.04	1.0	<0.1	<0.05	5	0.7	<0.2
1222673	Soil	25	0.50	101	0.013	<1	1.63	0.007	0.04	0.2	0.03	1.6	0.1	<0.05	5	0.8	<0.2
1222674	Soil	25	0.40	97	0.023	3	1.51	0.006	0.04	0.2	0.02	1.5	0.2	<0.05	5	0.9	<0.2
1222675	Soil	25	0.50	148	0.025	<1	1.55	0.009	0.06	0.2	0.03	2.4	0.1	<0.05	5	0.7	<0.2
1222676	Soil	27	0.51	140	0.022	<1	1.67	0.007	0.07	0.1	0.02	2.1	0.1	<0.05	5	0.5	<0.2
1222677	Soil	25	0.40	168	0.020	1	1.58	0.005	0.05	0.1	0.02	1.9	0.1	<0.05	4	0.8	<0.2
1222678	Soil	15	0.18	340	0.009	<1	0.94	0.006	0.05	<0.1	0.11	1.2	<0.1	0.09	3	0.8	<0.2
1222679	Soil	25	0.51	135	0.031	1	1.34	0.005	0.07	0.2	<0.01	1.8	<0.1	<0.05	4	0.8	<0.2
1222680	Soil	24	0.45	84	0.019	<1	1.39	0.004	0.07	0.2	0.03	1.6	0.1	<0.05	4	<0.5	<0.2
1222681	Soil	29	0.62	106	0.032	<1	1.93	0.005	0.16	0.1	0.02	2.1	0.2	<0.05	5	0.8	<0.2
1222682	Soil	23	0.25	90	0.029	1	1.51	0.004	0.05	0.2	0.04	1.6	0.1	<0.05	5	<0.5	<0.2
1222683	Soil	28	0.35	80	0.015	<1	1.24	0.005	0.06	0.2	0.05	1.2	<0.1	<0.05	4	0.6	<0.2
1222684	Soil	26	0.51	115	0.031	<1	1.62	0.004	0.14	0.2	0.03	2.0	0.2	<0.05	5	0.7	<0.2
1222685	Soil	30	0.62	100	0.032	<1	1.98	0.004	0.20	0.1	0.02	1.8	0.2	<0.05	6	<0.5	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222686	Soil		1.1	24.6	13.3	62	<0.1	28.8	12.5	291	3.00	15.6	0.9	5.4	9	0.2	0.6	0.2	41	0.08	0.036	17
1222687	Soil		1.1	15.0	33.7	51	0.1	14.0	5.5	202	2.82	14.4	1.3	3.7	7	0.2	0.8	0.4	52	0.06	0.029	13
1222688	Soil		0.7	19.6	16.4	61	0.1	23.7	10.7	219	2.61	9.3	<0.5	3.5	11	0.1	0.3	0.2	30	0.09	0.037	18
1222689	Soil		1.3	18.9	14.8	59	<0.1	25.6	11.5	299	3.17	22.5	1.4	4.9	9	0.2	0.7	0.2	44	0.08	0.030	15
1222690	Soil		1.1	26.0	12.7	71	<0.1	34.1	12.5	336	3.20	15.4	1.1	4.5	12	0.2	0.6	0.2	46	0.10	0.034	15
1222691	Soil		1.2	14.9	11.4	37	<0.1	14.9	5.5	148	2.24	10.1	0.9	2.2	8	<0.1	0.6	0.3	44	0.06	0.026	14
1222692	Soil		0.7	42.2	20.6	95	<0.1	44.6	19.0	376	4.25	31.5	<0.5	8.5	14	0.2	0.4	0.4	46	0.06	0.029	21
1222693	Soil		1.1	11.5	11.3	40	<0.1	14.7	6.4	173	2.47	11.1	1.8	1.5	10	0.7	0.7	0.3	48	0.08	0.037	12
1222694	Soil		1.3	22.0	13.1	71	<0.1	26.7	9.3	377	3.22	10.5	1.9	3.5	12	0.2	0.7	0.3	57	0.11	0.039	16
1222695	Soil		1.1	12.6	16.2	44	<0.1	15.4	5.8	214	2.51	12.7	1.3	3.1	7	0.2	0.6	0.3	51	0.07	0.024	13
1222696	Soil		1.0	14.7	12.2	37	<0.1	14.4	5.6	178	1.93	7.1	0.8	0.7	9	0.2	0.5	0.2	45	0.08	0.041	16
1222697	Soil		1.0	14.1	11.0	49	<0.1	18.9	8.2	252	2.53	12.8	<0.5	2.6	9	0.2	0.8	0.2	45	0.07	0.028	13
1222698	Soil		1.1	19.4	10.6	69	<0.1	24.8	8.8	214	3.40	14.1	<0.5	4.4	12	0.2	0.6	0.2	57	0.09	0.029	15
1222699	Soil		1.5	20.7	15.6	73	0.1	20.2	6.5	226	3.40	15.3	<0.5	2.5	12	0.2	0.8	0.3	69	0.08	0.036	15
1222700	Soil		1.3	15.1	14.2	36	<0.1	12.3	4.7	190	2.05	10.6	2.2	1.6	11	0.7	1.2	0.2	53	0.09	0.025	16
1222951	Soil		0.9	17.1	8.8	44	<0.1	17.1	6.9	352	2.09	8.1	1.5	2.4	10	0.1	0.8	0.2	31	0.09	0.046	17
1222952	Soil		1.0	19.3	33.2	62	<0.1	18.9	7.0	244	2.51	43.3	0.9	1.3	10	0.3	0.8	0.2	47	0.09	0.040	13
1222953	Soil		1.0	15.5	12.9	48	<0.1	15.8	6.1	204	2.29	11.0	2.9	0.9	9	0.1	0.6	0.2	46	0.09	0.050	14
1222954	Soil		0.9	22.6	13.3	53	<0.1	20.9	8.6	254	2.35	11.4	0.5	2.1	10	0.1	0.6	0.2	38	0.12	0.064	23
1222955	Soil		1.0	29.6	12.9	60	<0.1	22.7	9.6	296	2.64	12.8	0.5	1.2	10	0.2	0.7	0.2	44	0.11	0.065	20
1222956	Soil		0.6	9.9	10.2	20	<0.1	7.2	2.1	66	1.25	7.9	1.0	0.2	6	<0.1	0.4	0.2	36	0.04	0.042	18
1222957	Soil		1.5	18.3	13.1	50	<0.1	14.5	8.6	382	3.33	12.1	<0.5	4.6	8	0.2	0.8	0.2	59	0.06	0.039	15
1222958	Soil		0.8	22.8	11.2	54	<0.1	18.8	6.7	254	2.41	12.5	1.8	1.1	8	<0.1	0.6	0.2	34	0.08	0.041	18
1222959	Soil		1.0	14.1	9.9	39	<0.1	13.8	4.5	140	2.22	11.7	0.8	0.9	8	<0.1	0.6	0.2	43	0.07	0.040	18
1222960	Soil		1.3	17.8	11.4	59	<0.1	17.6	7.6	260	2.78	11.7	0.6	1.7	11	0.1	0.6	0.2	53	0.11	0.077	15
1222961	Soil		0.7	8.6	11.9	22	<0.1	6.3	2.2	60	1.51	7.9	1.8	0.3	8	<0.1	0.3	0.2	42	0.06	0.054	12
1222962	Soil		1.1	21.6	17.1	55	<0.1	17.9	6.3	191	2.34	11.6	1.4	1.4	11	0.1	0.7	0.2	43	0.11	0.060	18
1222963	Soil		0.9	14.5	24.0	49	<0.1	15.5	5.6	177	2.38	9.4	2.7	1.6	9	<0.1	0.5	0.2	39	0.10	0.044	17
1222964	Soil		0.8	9.0	14.7	41	<0.1	10.7	4.7	141	2.50	10.5	1.2	1.3	8	<0.1	0.5	0.2	53	0.08	0.038	14
1222965	Soil		0.8	18.8	11.3	50	<0.1	16.6	5.5	179	2.33	8.7	7.9	2.2	10	<0.1	0.5	0.2	41	0.10	0.037	17

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Toronto ON M5X 1C9 Canada

Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222686	Soil	27	0.50	132	0.052	2	1.84	0.006	0.15	0.2	0.04	2.2	0.2	<0.05	5	<0.5	<0.2
1222687	Soil	21	0.26	88	0.038	<1	1.31	0.004	0.05	0.2	0.04	1.6	0.1	<0.05	6	0.5	<0.2
1222688	Soil	25	0.43	136	0.034	<1	1.59	0.004	0.15	0.1	0.04	1.6	0.2	<0.05	5	<0.5	<0.2
1222689	Soil	28	0.45	144	0.041	<1	1.85	0.005	0.13	0.2	0.04	2.3	0.2	<0.05	5	0.6	<0.2
1222690	Soil	30	0.49	280	0.046	<1	2.22	0.006	0.17	0.2	0.04	2.4	0.2	<0.05	7	0.6	<0.2
1222691	Soil	20	0.24	95	0.031	1	1.35	0.005	0.07	0.2	0.04	1.4	0.1	<0.05	5	0.6	<0.2
1222692	Soil	43	0.77	201	0.092	2	3.24	0.007	0.44	0.2	0.02	3.4	0.4	0.07	8	<0.5	<0.2
1222693	Soil	20	0.28	103	0.030	3	1.37	0.004	0.05	0.2	0.07	1.2	<0.1	0.09	4	<0.5	<0.2
1222694	Soil	28	0.39	224	0.060	1	1.95	0.006	0.14	0.2	0.05	2.1	0.2	0.09	7	<0.5	<0.2
1222695	Soil	24	0.30	81	0.034	2	1.43	0.004	0.08	0.2	0.04	1.5	<0.1	0.07	6	<0.5	<0.2
1222696	Soil	23	0.27	142	0.028	2	1.23	0.006	0.11	0.1	0.04	0.9	0.1	0.10	5	<0.5	<0.2
1222697	Soil	22	0.34	93	0.035	2	1.44	0.005	0.06	0.2	0.03	1.6	<0.1	0.08	4	<0.5	<0.2
1222698	Soil	31	0.46	118	0.067	4	1.70	0.006	0.15	0.3	0.03	2.4	0.2	0.18	6	<0.5	<0.2
1222699	Soil	27	0.34	107	0.049	2	1.54	0.005	0.11	0.2	0.03	1.9	0.2	0.21	7	<0.5	<0.2
1222700	Soil	19	0.17	192	0.036	<1	1.13	0.007	0.05	0.1	0.04	1.5	0.1	0.11	5	<0.5	<0.2
1222951	Soil	17	0.26	86	0.016	2	0.95	0.005	0.04	0.2	0.03	1.3	<0.1	0.11	3	<0.5	<0.2
1222952	Soil	24	0.39	110	0.024	2	1.30	0.005	0.05	0.2	0.03	1.7	0.1	0.14	4	<0.5	<0.2
1222953	Soil	24	0.32	91	0.023	2	1.39	0.004	0.04	0.2	0.04	1.2	<0.1	0.14	4	<0.5	<0.2
1222954	Soil	22	0.38	100	0.022	<1	1.30	0.004	0.04	0.1	0.02	1.3	<0.1	0.11	4	<0.5	<0.2
1222955	Soil	26	0.40	130	0.021	1	1.53	0.006	0.05	0.2	0.04	1.6	<0.1	0.14	5	<0.5	<0.2
1222956	Soil	14	0.15	56	0.010	1	0.91	0.003	0.03	<0.1	0.04	0.3	0.1	0.13	5	<0.5	<0.2
1222957	Soil	28	0.28	90	0.037	<1	1.64	0.004	0.05	0.2	0.04	2.0	0.1	0.13	6	0.7	<0.2
1222958	Soil	22	0.36	65	0.016	<1	1.27	0.004	0.04	0.1	0.02	1.0	<0.1	0.13	4	<0.5	<0.2
1222959	Soil	22	0.32	70	0.020	<1	1.29	0.005	0.04	0.2	0.03	1.2	<0.1	0.13	5	<0.5	<0.2
1222960	Soil	32	0.39	99	0.030	2	1.66	0.005	0.05	0.2	0.03	2.2	0.1	0.19	5	0.6	<0.2
1222961	Soil	21	0.19	62	0.008	2	1.08	0.003	0.03	<0.1	0.04	0.2	<0.1	<0.05	6	0.7	<0.2
1222962	Soil	27	0.41	116	0.026	2	1.52	0.005	0.04	0.2	0.03	2.0	<0.1	0.08	5	<0.5	<0.2
1222963	Soil	26	0.39	81	0.021	2	1.42	0.005	0.04	0.2	0.02	1.4	<0.1	0.05	5	0.5	<0.2
1222964	Soil	26	0.31	90	0.028	<1	1.41	0.004	0.03	0.1	0.03	1.9	0.1	<0.05	6	<0.5	<0.2
1222965	Soil	25	0.43	93	0.027	<1	1.39	0.004	0.03	0.1	0.02	1.7	<0.1	0.07	4	<0.5	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222966	Soil		0.8	13.7	16.2	31	<0.1	8.9	3.5	105	2.35	10.7	3.6	2.6	8	<0.1	0.4	0.2	41	0.06	0.055	19
1222967	Soil		0.8	23.9	10.8	53	<0.1	15.6	5.9	202	2.37	8.1	1.9	6.2	9	<0.1	0.6	0.2	31	0.09	0.037	27
1222968	Soil		0.9	23.6	8.9	53	<0.1	18.5	7.2	217	2.17	9.0	2.8	2.2	11	0.1	0.7	0.1	38	0.12	0.040	20
1222969	Soil		0.9	28.2	10.9	62	<0.1	23.1	8.9	344	2.53	11.3	2.8	5.2	15	0.2	0.9	0.1	43	0.16	0.052	21
1222970	Soil		1.3	30.6	14.5	59	<0.1	20.9	8.5	340	2.70	14.4	5.0	3.9	16	0.1	0.9	0.2	49	0.16	0.055	20
1222971	Soil		0.7	20.4	10.1	48	<0.1	15.2	5.7	180	2.23	9.5	1.1	3.0	10	<0.1	0.6	0.1	38	0.11	0.036	22
1222972	Soil		0.7	20.0	11.1	48	<0.1	15.6	5.7	183	2.45	9.1	2.5	3.1	13	<0.1	0.6	0.2	38	0.11	0.032	23
1222973	Soil		0.9	24.4	12.2	63	<0.1	19.1	8.9	265	2.83	12.7	2.1	4.9	11	0.1	0.7	0.2	41	0.12	0.059	16
1222974	Soil		0.9	23.2	12.0	59	<0.1	20.1	9.3	298	2.91	12.0	3.0	4.4	11	<0.1	0.7	0.2	44	0.12	0.055	17
1222975	Soil		0.9	11.2	14.8	42	<0.1	12.1	4.6	136	3.87	13.0	1.4	3.5	7	<0.1	0.6	0.2	63	0.06	0.032	15
1222976	Soil		0.9	22.9	12.3	50	<0.1	17.3	7.8	242	2.51	10.2	4.6	5.5	10	<0.1	0.7	0.2	41	0.09	0.028	22
1222977	Soil		0.9	24.4	14.4	55	<0.1	17.4	7.5	204	2.79	13.0	2.1	6.9	9	<0.1	0.9	0.2	44	0.08	0.035	23
1222978	Soil		1.1	15.9	13.1	48	<0.1	15.7	6.3	165	2.53	10.9	2.7	3.5	8	0.1	0.5	0.2	43	0.07	0.049	14
1222979	Soil		1.0	17.1	14.9	49	<0.1	15.4	7.4	262	2.64	16.1	4.9	5.6	8	<0.1	0.7	0.3	46	0.07	0.030	18
1222980	Soil		1.0	17.7	11.2	51	<0.1	18.0	6.7	221	2.24	11.9	3.5	3.6	10	<0.1	0.6	0.2	42	0.10	0.038	17
1222981	Soil		0.8	17.8	10.9	51	<0.1	16.7	6.4	204	2.15	10.4	2.7	1.6	10	<0.1	0.6	0.2	38	0.12	0.043	16
1222982	Soil		0.8	31.0	18.0	72	0.1	26.1	11.7	460	2.71	9.6	3.0	7.3	18	0.2	0.7	0.2	30	0.11	0.035	28
1222983	Soil		0.7	17.2	10.5	42	<0.1	12.9	4.3	120	1.67	7.3	2.0	0.5	10	0.1	0.4	0.2	30	0.10	0.057	14
1222984	Soil		0.9	14.6	15.5	50	<0.1	14.6	5.1	144	2.01	11.4	2.4	0.7	9	0.2	0.5	0.2	34	0.09	0.045	15
1222985	Soil		1.0	21.1	27.4	60	0.1	17.7	6.2	189	2.21	10.7	6.1	1.9	11	0.2	0.6	0.2	30	0.11	0.052	18
1222986	Soil		0.7	14.8	18.2	49	0.1	15.3	5.4	148	2.02	10.7	2.3	1.4	9	<0.1	0.5	0.2	30	0.11	0.049	15
1222987	Soil		0.7	13.7	16.3	45	0.1	13.2	4.4	104	1.98	10.9	3.4	0.8	9	0.1	0.5	0.2	32	0.09	0.047	14
1222988	Soil		0.7	19.6	13.0	53	<0.1	17.2	6.1	169	2.19	15.1	3.6	3.8	10	0.2	0.6	0.2	33	0.11	0.055	20
1222989	Soil		0.5	19.2	12.5	52	<0.1	15.8	6.0	165	2.03	11.1	3.2	5.5	10	<0.1	0.5	0.2	29	0.11	0.042	20
1222990	Soil		0.8	20.1	21.8	54	0.2	15.0	5.8	198	2.23	25.9	9.9	4.4	10	0.1	0.5	0.2	35	0.09	0.052	18
1222991	Soil		0.7	19.1	13.0	45	0.1	13.4	4.7	153	1.83	11.5	2.2	5.5	9	0.1	0.6	0.2	29	0.10	0.039	18
1222992	Soil		0.9	15.6	13.1	44	<0.1	12.8	4.0	121	2.21	17.1	3.0	2.3	10	0.1	0.5	0.2	34	0.10	0.053	15
1222993	Soil		0.9	24.8	12.6	56	<0.1	19.0	7.0	244	2.36	19.3	3.2	3.6	10	0.1	0.7	0.2	36	0.10	0.042	16
1222994	Soil		1.0	10.8	12.9	49	<0.1	12.4	4.5	137	2.58	36.5	6.3	3.4	9	0.1	0.6	0.2	38	0.08	0.040	15
1222995	Soil		1.0	17.8	14.6	56	0.1	14.8	4.8	135	2.28	75.9	5.5	4.9	9	0.2	0.6	0.2	32	0.07	0.036	19

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222966	Soil	23	0.27	91	0.021	<1	1.42	0.004	0.03	0.1	0.04	1.7	0.1	<0.05	5	<0.5	<0.2
1222967	Soil	21	0.46	109	0.023	<1	1.41	0.004	0.04	0.1	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1222968	Soil	22	0.46	139	0.029	<1	1.35	0.005	0.04	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1222969	Soil	27	0.49	233	0.042	1	1.40	0.006	0.05	0.2	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1222970	Soil	29	0.46	310	0.029	2	1.70	0.006	0.06	0.2	0.07	3.9	0.1	<0.05	5	<0.5	<0.2
1222971	Soil	22	0.41	95	0.028	1	1.35	0.005	0.04	0.1	0.02	1.7	<0.1	<0.05	4	0.6	<0.2
1222972	Soil	21	0.40	183	0.027	1	1.29	0.005	0.04	<0.1	0.03	2.1	0.1	0.07	4	<0.5	<0.2
1222973	Soil	26	0.40	126	0.022	2	1.66	0.005	0.04	0.1	0.03	2.3	<0.1	<0.05	4	0.8	<0.2
1222974	Soil	27	0.44	146	0.030	2	1.62	0.006	0.05	0.2	0.05	2.7	<0.1	<0.05	4	<0.5	<0.2
1222975	Soil	28	0.35	68	0.035	<1	1.55	0.005	0.04	0.2	0.03	2.0	0.1	0.06	6	1.0	<0.2
1222976	Soil	25	0.45	165	0.034	1	1.46	0.006	0.04	0.2	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
1222977	Soil	29	0.44	157	0.033	<1	1.61	0.005	0.04	0.1	0.04	2.9	<0.1	<0.05	5	0.9	<0.2
1222978	Soil	27	0.36	116	0.025	1	1.58	0.005	0.04	0.2	0.04	2.8	0.1	<0.05	5	1.0	<0.2
1222979	Soil	27	0.39	141	0.038	2	1.59	0.005	0.04	0.2	0.04	3.5	0.1	<0.05	5	0.6	<0.2
1222980	Soil	25	0.40	152	0.033	1	1.35	0.006	0.04	0.1	0.02	2.9	<0.1	<0.05	4	0.8	<0.2
1222981	Soil	22	0.39	113	0.024	<1	1.34	0.005	0.04	0.1	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
1222982	Soil	21	0.47	328	0.027	<1	1.30	0.006	0.05	0.1	0.04	2.7	<0.1	<0.05	4	0.6	<0.2
1222983	Soil	20	0.29	109	0.015	<1	1.12	0.005	0.03	0.2	0.04	1.1	<0.1	<0.05	4	<0.5	<0.2
1222984	Soil	21	0.30	111	0.019	1	1.19	0.005	0.03	0.2	0.04	1.3	<0.1	<0.05	4	<0.5	<0.2
1222985	Soil	21	0.34	136	0.020	1	1.16	0.005	0.04	0.1	0.02	1.9	<0.1	<0.05	3	0.5	<0.2
1222986	Soil	19	0.32	118	0.018	<1	1.18	0.004	0.03	0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
1222987	Soil	20	0.28	108	0.013	<1	1.13	0.004	0.03	0.2	0.05	1.3	<0.1	<0.05	4	0.7	<0.2
1222988	Soil	22	0.35	138	0.020	<1	1.29	0.005	0.04	0.2	0.05	2.7	<0.1	<0.05	4	0.6	<0.2
1222989	Soil	20	0.36	117	0.026	1	1.17	0.005	0.04	0.2	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1222990	Soil	22	0.35	130	0.024	<1	1.36	0.007	0.04	0.2	0.04	2.5	<0.1	<0.05	4	0.9	<0.2
1222991	Soil	19	0.31	108	0.024	<1	1.09	0.005	0.03	0.2	0.03	2.2	<0.1	<0.05	3	1.1	<0.2
1222992	Soil	20	0.31	100	0.018	1	1.22	0.004	0.04	0.2	0.02	1.8	<0.1	<0.05	4	0.7	<0.2
1222993	Soil	22	0.36	112	0.027	<1	1.25	0.005	0.04	0.2	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1222994	Soil	20	0.31	70	0.028	<1	1.04	0.004	0.04	0.3	0.03	1.6	<0.1	<0.05	4	0.8	<0.2
1222995	Soil	19	0.32	97	0.025	<1	1.19	0.005	0.04	0.2	0.04	1.8	<0.1	<0.05	4	<0.5	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1222996	Soil		0.8	22.4	13.8	59	0.1	16.4	5.7	189	2.15	42.2	1.5	6.2	13	0.2	0.6	0.2	33	0.12	0.037	23
1222997	Soil		0.8	15.8	13.3	51	0.1	13.3	5.1	150	2.03	29.1	8.0	1.9	11	0.2	0.5	0.2	33	0.12	0.045	15
1222998	Soil		0.8	12.9	12.1	51	0.1	11.7	4.8	141	2.05	39.5	53.5	1.5	11	0.2	0.5	0.2	31	0.10	0.046	17
1222999	Soil		0.8	16.8	11.6	57	0.1	14.0	5.7	151	2.32	40.0	2.3	2.6	13	<0.1	0.5	0.2	31	0.11	0.049	18
1223000	Soil		0.6	19.3	12.5	58	0.2	14.1	5.6	151	2.23	29.9	8.0	1.5	13	0.2	0.4	0.2	31	0.10	0.051	17
1223081	Soil		0.6	20.7	15.1	48	<0.1	17.7	6.1	230	2.26	10.8	1.6	9.4	5	<0.1	2.4	0.2	24	0.03	0.025	27
1223082	Soil		0.7	15.1	12.3	46	<0.1	14.3	5.5	128	1.99	11.0	2.1	4.5	9	<0.1	0.6	0.2	37	0.09	0.018	16
1223083	Soil		0.6	14.0	9.3	35	<0.1	12.6	4.5	121	1.65	7.1	13.0	4.4	6	<0.1	0.6	0.2	28	0.05	0.014	16
1223084	Soil		0.8	25.9	11.7	49	<0.1	20.6	8.1	218	2.26	9.3	3.5	5.9	12	<0.1	0.8	0.2	35	0.11	0.027	19
1223085	Soil		0.7	19.8	10.1	42	<0.1	14.8	5.2	121	2.06	8.8	1.9	4.7	13	<0.1	0.6	0.2	37	0.15	0.048	16
1223086	Soil		0.7	20.5	11.8	44	<0.1	14.6	5.5	161	1.99	32.8	7.8	7.7	8	<0.1	3.0	0.2	23	0.07	0.027	27
1223087	Soil		0.8	20.9	12.2	49	<0.1	15.7	6.2	155	2.16	18.6	2.8	6.6	9	0.1	4.4	0.2	26	0.08	0.035	25
1223088	Soil		0.8	28.0	12.2	67	<0.1	25.4	9.2	235	2.73	16.8	5.1	9.8	7	0.2	2.2	0.3	24	0.05	0.027	36
1223089	Soil		0.7	20.5	10.5	54	<0.1	17.9	6.1	196	2.34	32.2	5.2	7.3	10	<0.1	2.9	0.2	29	0.08	0.022	25
1223090	Soil		0.7	20.6	10.5	47	<0.1	17.8	6.4	163	2.25	12.9	2.2	6.6	8	0.1	2.4	0.2	32	0.06	0.017	23
1223091	Soil		0.9	25.6	10.8	52	<0.1	20.6	7.6	237	2.15	8.8	2.3	6.2	10	<0.1	1.3	0.2	34	0.09	0.020	19
1223092	Soil		0.9	32.1	12.7	61	<0.1	22.9	8.5	239	2.50	11.0	5.1	8.7	7	0.1	1.6	0.2	27	0.05	0.014	26
1223093	Soil		0.8	23.8	9.3	45	<0.1	20.3	5.7	199	2.01	8.2	1.8	6.5	8	<0.1	1.1	0.2	22	0.07	0.017	24
1223094	Soil		0.7	25.9	13.6	47	<0.1	18.8	6.2	188	2.01	44.2	7.3	8.5	6	<0.1	6.4	0.2	21	0.03	0.016	31
1223095	Soil		0.6	25.5	14.2	41	<0.1	20.0	6.6	213	2.17	27.0	5.3	10.3	9	<0.1	7.4	0.2	20	0.06	0.021	40
1223096	Soil		0.9	30.1	11.4	49	<0.1	19.5	6.4	202	2.37	44.2	10.1	10.7	9	<0.1	6.0	0.3	23	0.06	0.015	39
1223097	Soil		0.8	48.4	14.5	72	<0.1	26.1	9.4	504	3.24	44.8	4.2	10.6	5	<0.1	1.9	0.4	20	0.03	0.024	50
1223098	Soil		1.1	27.2	30.8	93	<0.1	17.6	8.0	237	2.45	379.3	18.9	10.8	12	0.2	7.0	0.3	18	0.18	0.030	34
1223099	Soil		0.9	14.4	17.4	37	<0.1	14.9	6.7	154	2.06	13.1	2.3	8.0	10	<0.1	1.2	0.2	33	0.06	0.017	23
1223100	Soil		1.2	25.3	12.0	54	<0.1	23.1	7.7	169	2.41	11.1	2.0	6.1	13	<0.1	1.1	0.2	40	0.10	0.018	14
1223101	Soil		0.7	11.2	14.4	34	<0.1	10.7	4.8	171	1.78	7.2	1.9	7.1	7	<0.1	0.6	0.2	26	0.04	0.029	26
1223102	Soil		0.7	13.7	10.7	39	<0.1	17.9	6.5	152	2.01	9.5	2.8	4.6	18	<0.1	0.6	0.2	38	0.18	0.023	14
1223103	Soil		0.6	9.9	8.7	35	<0.1	16.4	7.4	200	1.88	7.4	1.2	5.7	14	<0.1	0.6	0.1	28	0.16	0.013	17
1223104	Soil		0.8	13.3	7.4	40	<0.1	22.0	8.8	200	2.54	8.5	0.6	10.6	13	<0.1	0.5	0.2	16	0.15	0.016	40
1223105	Soil		0.8	12.3	15.2	34	<0.1	19.3	8.5	314	2.09	6.0	<0.5	8.1	12	<0.1	0.2	0.2	20	0.15	0.015	32

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1222996	Soil	22	0.36	235	0.037	<1	1.17	0.009	0.06	0.2	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
1222997	Soil	19	0.29	124	0.021	<1	1.05	0.006	0.03	0.2	0.04	1.5	<0.1	<0.05	3	0.5	<0.2
1222998	Soil	19	0.31	91	0.016	<1	1.10	0.004	0.03	0.3	0.05	1.2	<0.1	<0.05	4	0.5	<0.2
1222999	Soil	19	0.35	126	0.018	<1	1.21	0.005	0.03	0.2	0.04	1.6	<0.1	<0.05	4	0.7	<0.2
1223000	Soil	21	0.34	132	0.014	1	1.24	0.005	0.04	0.2	0.04	1.5	<0.1	<0.05	4	0.7	<0.2
1223081	Soil	25	0.23	87	0.014	2	0.93	0.004	0.06	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1223082	Soil	23	0.34	152	0.026	<1	1.28	0.006	0.04	0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1223083	Soil	16	0.25	88	0.023	<1	0.99	0.004	0.04	0.1	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
1223084	Soil	26	0.33	285	0.030	<1	1.32	0.008	0.06	0.2	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
1223085	Soil	21	0.32	189	0.029	1	1.27	0.006	0.04	0.1	0.04	3.1	<0.1	<0.05	4	<0.5	<0.2
1223086	Soil	16	0.25	138	0.019	<1	0.91	0.006	0.04	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1223087	Soil	18	0.28	114	0.019	<1	1.01	0.004	0.05	0.2	0.03	2.0	<0.1	<0.05	3	0.6	<0.2
1223088	Soil	19	0.34	119	0.016	<1	1.11	0.005	0.05	<0.1	0.02	2.5	<0.1	<0.05	3	0.8	<0.2
1223089	Soil	19	0.30	155	0.020	<1	1.05	0.005	0.06	0.1	0.02	2.5	<0.1	<0.05	3	0.6	<0.2
1223090	Soil	21	0.33	135	0.021	<1	1.19	0.006	0.05	0.1	0.02	2.3	<0.1	<0.05	4	0.7	<0.2
1223091	Soil	23	0.38	231	0.027	<1	1.25	0.006	0.05	0.1	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
1223092	Soil	21	0.38	149	0.020	<1	1.25	0.005	0.05	0.1	0.03	2.9	<0.1	<0.05	3	0.5	<0.2
1223093	Soil	17	0.33	191	0.019	<1	1.01	0.004	0.04	0.1	0.04	2.1	<0.1	<0.05	3	<0.5	<0.2
1223094	Soil	17	0.27	122	0.014	1	1.01	0.003	0.04	0.1	0.03	1.8	<0.1	0.05	3	<0.5	<0.2
1223095	Soil	17	0.22	178	0.009	<1	0.90	0.004	0.04	<0.1	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1223096	Soil	17	0.31	180	0.013	<1	1.08	0.004	0.04	0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1223097	Soil	20	0.64	101	0.006	<1	1.62	0.003	0.05	<0.1	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1223098	Soil	13	0.24	229	0.004	<1	0.86	0.004	0.06	0.1	0.01	2.3	<0.1	0.06	2	<0.5	<0.2
1223099	Soil	17	0.25	161	0.021	<1	1.07	0.004	0.04	0.1	<0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1223100	Soil	24	0.35	183	0.037	1	1.25	0.006	0.05	0.2	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1223101	Soil	13	0.20	101	0.016	<1	0.88	0.004	0.06	0.1	<0.01	1.0	<0.1	<0.05	3	<0.5	<0.2
1223102	Soil	22	0.34	137	0.035	1	1.08	0.005	0.08	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1223103	Soil	19	0.32	162	0.032	<1	0.90	0.005	0.09	0.1	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1223104	Soil	13	0.24	177	0.003	<1	0.90	0.004	0.08	<0.1	<0.01	1.1	<0.1	<0.05	3	<0.5	<0.2
1223105	Soil	15	0.22	179	0.004	<1	0.91	0.004	0.10	<0.1	<0.01	1.0	<0.1	<0.05	3	<0.5	<0.2

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Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223106	Soil		0.6	8.1	9.1	33	<0.1	15.2	6.4	242	1.75	5.8	<0.5	4.1	14	<0.1	0.4	0.1	32	0.18	0.011	16
1223107	Soil		0.8	39.0	10.9	73	<0.1	44.2	17.1	372	3.52	13.7	<0.5	13.6	7	<0.1	0.7	0.3	26	0.10	0.018	27
1223108	Soil		1.2	15.4	17.4	42	<0.1	22.7	9.8	413	2.46	10.2	1.4	5.6	20	<0.1	0.8	0.2	43	0.31	0.013	14
1223109	Soil		1.0	14.3	12.3	38	<0.1	20.0	8.4	243	2.23	8.5	1.5	4.9	19	<0.1	0.6	0.2	42	0.25	0.012	15
1223110	Soil		1.0	48.2	20.7	73	<0.1	41.9	15.7	452	3.55	20.3	15.5	15.9	18	<0.1	2.8	0.4	26	0.23	0.020	48
1223111	Soil		0.8	8.0	10.4	27	<0.1	16.6	7.1	549	1.85	17.8	3.6	4.0	16	<0.1	1.1	0.2	33	0.24	0.011	14
1223112	Soil		1.0	13.9	12.8	39	<0.1	19.6	10.3	537	2.26	17.0	2.5	5.8	17	<0.1	1.0	0.2	35	0.26	0.015	18
1223113	Soil		0.7	30.1	14.2	54	<0.1	27.8	13.0	340	2.89	11.9	0.9	10.9	14	0.1	0.7	0.3	28	0.23	0.016	32
1223114	Soil		1.0	21.4	15.7	47	0.1	15.3	6.9	179	2.33	5.1	1.2	7.2	14	0.2	0.5	0.2	27	0.18	0.020	23
1223207	Soil		0.5	8.8	9.8	28	<0.1	9.2	3.6	102	1.38	5.0	<0.5	6.1	5	<0.1	0.6	0.2	15	0.02	0.027	27
1223208	Soil		0.4	8.8	8.5	25	<0.1	8.9	3.2	89	1.26	4.6	2.6	5.0	6	<0.1	0.6	0.2	15	0.03	0.022	26
1223209	Soil		0.5	14.3	10.8	36	<0.1	14.2	5.4	145	1.76	6.2	<0.5	5.0	5	<0.1	0.6	0.2	17	0.03	0.018	23
1223210	Soil		0.5	6.2	7.9	20	<0.1	7.1	2.6	70	0.97	4.2	<0.5	4.5	6	<0.1	0.4	0.2	18	0.04	0.014	21
1223211	Soil		0.3	22.1	11.6	64	<0.1	21.2	8.6	262	2.42	7.9	2.3	10.4	10	0.1	0.8	0.2	16	0.08	0.044	38
1223212	Soil		0.3	21.2	11.9	65	<0.1	20.8	9.2	323	2.42	6.5	1.2	9.5	11	0.2	0.7	0.2	18	0.09	0.061	36
1223213	Soil		0.3	19.6	10.3	55	<0.1	19.0	7.5	233	2.12	7.1	0.7	10.2	11	0.1	0.6	0.2	15	0.11	0.049	33
1223214	Soil		0.4	15.5	9.5	38	<0.1	15.3	5.6	121	1.90	9.2	<0.5	4.5	4	0.2	0.6	0.2	16	0.02	0.050	24
1223215	Soil		0.4	16.7	11.6	39	<0.1	14.2	5.0	181	1.77	10.0	<0.5	6.4	6	0.1	0.7	0.2	11	0.03	0.042	22
1223216	Soil		0.8	15.4	8.9	36	<0.1	12.5	4.4	101	1.52	5.2	1.4	5.2	6	<0.1	0.5	0.2	24	0.04	0.013	16
1223217	Soil		0.7	23.5	12.6	48	<0.1	20.1	8.3	218	2.44	11.0	7.3	9.0	5	0.1	0.9	0.2	20	0.02	0.030	26
1223218	Soil		1.2	8.3	11.1	30	<0.1	9.7	3.9	132	2.57	11.9	1.4	2.5	9	<0.1	0.6	0.3	70	0.06	0.048	14
1223219	Soil		1.0	10.3	11.7	38	<0.1	13.1	6.7	354	2.18	9.1	<0.5	3.1	17	0.1	0.6	0.2	55	0.17	0.020	12
1223220	Soil		0.6	5.1	8.1	20	<0.1	6.2	2.5	72	1.31	8.9	3.4	2.7	8	<0.1	0.4	0.2	40	0.06	0.012	14
1223221	Soil		0.8	19.0	9.6	42	<0.1	19.1	6.8	130	2.44	11.4	7.3	4.8	6	<0.1	0.8	0.2	36	0.04	0.022	17
1223222	Soil		1.1	13.9	11.8	49	<0.1	17.5	6.6	218	2.43	9.7	2.3	3.6	12	0.1	0.5	0.2	55	0.12	0.020	11
1223223	Soil		1.0	10.6	12.3	45	<0.1	14.9	6.4	164	2.24	9.9	2.7	3.2	10	<0.1	0.4	0.2	52	0.09	0.018	12
1223224	Soil		1.1	15.4	11.2	46	<0.1	17.7	6.3	144	2.92	12.5	0.7	5.2	6	<0.1	0.7	0.2	49	0.05	0.027	18
1223225	Soil		0.9	24.9	13.1	53	<0.1	24.4	9.0	229	2.64	8.6	3.4	7.2	9	<0.1	1.5	0.2	34	0.06	0.017	28
1223226	Soil		0.8	9.7	10.6	37	<0.1	12.7	5.6	134	2.05	7.9	1.4	3.6	7	<0.1	0.5	0.1	43	0.06	0.010	15
1223227	Soil		0.6	20.0	11.8	48	<0.1	21.9	8.0	149	2.50	11.0	1.6	8.9	6	<0.1	1.3	0.1	24	0.04	0.012	27

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223106	Soil		18	0.28	183	0.023	<1	0.92	0.005	0.10	0.1	0.01	1.5	<0.1	<0.05	3	<0.5	<0.2
1223107	Soil		29	0.59	186	0.004	<1	2.12	0.005	0.04	0.1	<0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
1223108	Soil		30	0.35	280	0.040	1	1.39	0.009	0.08	0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
1223109	Soil		27	0.35	237	0.031	<1	1.38	0.007	0.06	0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
1223110	Soil		28	0.57	168	0.010	<1	1.66	0.007	0.10	0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
1223111	Soil		20	0.27	223	0.017	<1	1.11	0.006	0.05	0.1	0.01	2.1	<0.1	<0.05	3	<0.5	<0.2
1223112	Soil		23	0.33	226	0.020	<1	1.31	0.006	0.08	0.1	0.01	2.1	<0.1	<0.05	4	<0.5	<0.2
1223113	Soil		23	0.41	163	0.011	<1	1.48	0.006	0.07	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1223114	Soil		18	0.36	121	0.012	<1	1.18	0.006	0.07	0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1223207	Soil		9	0.14	79	0.006	<1	0.75	0.003	0.07	0.1	<0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
1223208	Soil		9	0.13	66	0.008	<1	0.60	0.002	0.05	0.1	<0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
1223209	Soil		13	0.22	74	0.011	<1	0.90	0.003	0.05	0.1	0.02	0.9	<0.1	<0.05	2	<0.5	<0.2
1223210	Soil		9	0.13	74	0.017	<1	0.61	0.003	0.04	0.1	<0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
1223211	Soil		15	0.38	74	0.013	<1	1.00	0.003	0.09	0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1223212	Soil		16	0.37	110	0.012	<1	1.11	0.004	0.10	0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1223213	Soil		13	0.31	68	0.015	<1	0.80	0.003	0.08	0.1	0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
1223214	Soil		12	0.21	57	0.009	<1	0.87	0.002	0.04	<0.1	0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
1223215	Soil		9	0.15	73	0.008	<1	0.59	0.003	0.05	0.2	<0.01	0.8	<0.1	<0.05	2	<0.5	<0.2
1223216	Soil		15	0.24	80	0.028	<1	0.96	0.003	0.04	0.1	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1223217	Soil		14	0.20	86	0.012	<1	0.89	0.002	0.04	0.1	<0.01	1.1	<0.1	<0.05	2	<0.5	<0.2
1223218	Soil		22	0.21	132	0.043	<1	1.15	0.004	0.04	0.2	0.01	1.4	0.1	<0.05	5	<0.5	<0.2
1223219	Soil		23	0.32	294	0.034	<1	1.40	0.007	0.05	0.1	0.02	1.7	0.1	<0.05	4	<0.5	<0.2
1223220	Soil		12	0.16	100	0.034	<1	0.77	0.004	0.02	0.1	0.01	1.0	<0.1	<0.05	4	<0.5	<0.2
1223221	Soil		19	0.28	89	0.021	<1	1.26	0.004	0.04	0.2	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
1223222	Soil		29	0.33	243	0.037	1	1.55	0.005	0.03	0.2	0.02	1.9	<0.1	<0.05	5	<0.5	<0.2
1223223	Soil		24	0.30	194	0.033	<1	1.49	0.004	0.03	0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1223224	Soil		24	0.27	145	0.020	<1	1.52	0.003	0.04	0.2	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
1223225	Soil		25	0.40	206	0.018	<1	1.47	0.004	0.05	0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1223226	Soil		20	0.30	147	0.026	<1	1.34	0.003	0.03	0.1	<0.01	1.4	<0.1	<0.05	5	<0.5	<0.2
1223227	Soil		17	0.28	121	0.010	<1	1.03	0.003	0.03	<0.1	<0.01	1.4	<0.1	<0.05	3	<0.5	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223228	Soil		0.8	7.2	9.4	29	<0.1	10.8	4.3	118	1.54	7.2	0.9	2.9	8	0.1	0.4	0.1	41	0.07	0.013	12
1223229	Soil		1.1	16.7	15.5	42	<0.1	17.5	5.8	132	2.10	10.8	0.8	6.7	7	<0.1	0.7	0.1	31	0.06	0.018	25
1223230	Soil		0.7	42.2	8.0	85	<0.1	36.1	15.6	397	3.62	11.0	2.0	11.2	5	<0.1	0.6	0.2	16	0.02	0.015	15
1223231	Soil		0.8	26.0	10.1	55	<0.1	26.4	9.4	196	2.70	9.1	2.6	6.8	6	<0.1	0.6	0.2	37	0.04	0.015	18
1223232	Soil		0.6	33.6	9.5	66	<0.1	30.2	10.3	249	3.00	9.0	3.7	12.1	6	<0.1	0.5	0.2	30	0.04	0.014	34
1223233	Soil		0.8	17.3	10.6	41	<0.1	18.9	7.2	214	2.26	7.3	2.4	5.7	10	<0.1	0.9	0.2	34	0.11	0.019	14
1223234	Soil		0.7	39.0	10.3	76	<0.1	34.5	11.3	299	3.01	9.9	1.9	10.5	8	<0.1	1.6	0.3	24	0.07	0.023	22
1223235	Soil		0.8	16.0	10.4	39	<0.1	17.2	6.0	143	2.36	10.9	2.0	4.8	7	<0.1	0.6	0.2	46	0.06	0.017	17
1223236	Soil		0.6	14.6	12.5	43	<0.1	14.8	9.9	293	2.28	7.1	1.7	2.3	7	<0.1	0.4	0.2	36	0.08	0.044	15
1223237	Soil		1.1	35.4	19.6	96	0.1	32.6	12.4	469	2.95	16.6	2.3	10.4	17	0.3	2.1	0.3	28	0.26	0.062	29
1223238	Soil		0.5	23.7	12.7	63	<0.1	21.5	9.2	306	2.33	11.3	1.7	8.5	12	0.2	1.6	0.2	21	0.16	0.045	27
1223239	Soil		0.8	26.6	26.7	87	<0.1	27.7	10.6	459	2.96	13.8	1.1	9.3	14	0.4	1.0	0.2	26	0.19	0.033	28
1223240	Soil		0.7	40.0	15.7	55	0.2	30.3	8.8	306	2.36	9.0	1.8	7.3	28	0.4	1.5	0.2	24	0.49	0.033	21
1223241	Soil		0.7	15.8	11.9	44	<0.1	16.4	6.8	203	2.15	13.6	2.2	5.0	9	0.1	0.4	0.2	36	0.08	0.026	16
1223242	Soil		0.8	10.3	10.8	39	<0.1	11.4	4.8	146	1.91	12.2	1.5	0.7	9	<0.1	0.4	0.2	35	0.09	0.043	15
1223243	Soil		0.9	17.3	13.4	53	<0.1	19.3	7.3	276	2.70	15.3	3.6	3.7	9	<0.1	0.4	0.2	38	0.09	0.048	23
1223244	Soil		0.7	20.4	14.3	45	<0.1	17.6	7.0	201	2.15	12.8	2.0	7.7	8	<0.1	0.4	0.2	31	0.06	0.019	22
1223245	Soil		0.6	25.6	12.5	50	<0.1	20.4	8.4	271	2.20	10.8	2.8	8.1	10	<0.1	0.4	0.2	25	0.09	0.033	26
1223246	Soil		0.7	16.6	12.6	43	<0.1	15.4	5.8	153	2.05	12.9	12.5	4.5	8	<0.1	0.4	0.2	33	0.07	0.023	19
1223247	Soil		0.7	17.6	16.5	36	<0.1	14.0	4.4	97	1.94	11.3	2.5	1.5	10	<0.1	0.3	0.2	29	0.06	0.021	24
1223248	Soil		0.8	12.2	14.9	29	<0.1	10.8	3.5	87	1.61	8.9	0.7	4.3	8	<0.1	0.3	0.2	29	0.06	0.018	27
1223249	Soil		0.7	16.8	14.1	40	<0.1	14.7	5.1	127	2.02	10.1	2.4	7.5	8	<0.1	0.5	0.2	31	0.05	0.016	22
1223250	Soil		0.8	15.1	12.4	43	<0.1	15.9	7.0	164	2.24	12.2	3.0	6.2	7	0.1	0.4	0.2	39	0.06	0.024	16
1223251	Soil		0.7	18.4	13.8	46	<0.1	16.9	6.9	190	2.25	13.0	1.2	7.0	8	<0.1	0.5	0.2	31	0.05	0.019	23
1223252	Soil		0.9	14.2	14.6	41	<0.1	13.7	4.5	117	2.12	12.0	2.0	3.4	8	<0.1	0.4	0.2	37	0.06	0.028	20
1223253	Soil		0.8	15.8	11.1	41	<0.1	16.1	5.7	141	2.03	12.2	4.1	6.0	8	<0.1	0.5	0.2	34	0.06	0.022	17
1223254	Soil		0.8	16.8	12.4	44	<0.1	16.5	5.9	156	2.22	18.1	1.9	6.9	7	<0.1	0.4	0.2	32	0.06	0.020	19
1223255	Soil		0.8	13.7	13.8	35	<0.1	12.8	4.9	148	1.80	13.8	1.9	4.9	7	<0.1	0.3	0.2	23	0.04	0.023	23
1223256	Soil		0.7	16.3	11.8	43	<0.1	15.5	5.6	138	1.92	13.2	5.9	6.0	8	<0.1	0.4	0.2	28	0.07	0.024	22
1223257	Soil		0.8	18.1	14.5	46	<0.1	17.6	6.8	194	2.10	19.3	1.6	7.9	8	<0.1	0.4	0.2	29	0.06	0.027	24

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223228	Soil	16	0.20	133	0.025	<1	1.01	0.003	0.03	0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1223229	Soil	19	0.23	142	0.011	<1	1.17	0.004	0.05	0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1223230	Soil	21	0.46	94	0.002	<1	1.40	0.005	0.03	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
1223231	Soil	27	0.43	145	0.018	<1	1.67	0.004	0.03	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1223232	Soil	27	0.59	106	0.015	<1	1.81	0.007	0.02	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
1223233	Soil	20	0.32	122	0.016	<1	1.37	0.005	0.04	0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
1223234	Soil	25	0.56	119	0.011	<1	1.75	0.005	0.05	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1223235	Soil	22	0.31	122	0.024	<1	1.34	0.005	0.03	0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1223236	Soil	19	0.28	133	0.009	<1	1.31	0.005	0.03	0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1223237	Soil	25	0.46	234	0.021	1	1.22	0.008	0.11	0.2	0.04	2.3	<0.1	<0.05	4	<0.5	<0.2
1223238	Soil	16	0.33	160	0.016	<1	0.97	0.005	0.07	0.1	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1223239	Soil	23	0.54	110	0.008	<1	1.38	0.004	0.08	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1223240	Soil	19	0.36	239	0.014	1	1.09	0.007	0.08	0.1	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1223241	Soil	20	0.29	135	0.027	<1	1.27	0.004	0.04	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1223242	Soil	19	0.26	94	0.016	<1	1.01	0.004	0.04	0.2	0.04	0.8	<0.1	<0.05	3	<0.5	<0.2
1223243	Soil	22	0.35	115	0.022	<1	1.25	0.005	0.05	0.2	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1223244	Soil	20	0.31	110	0.023	<1	1.28	0.004	0.04	0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1223245	Soil	18	0.34	171	0.021	<1	1.08	0.004	0.04	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1223246	Soil	20	0.31	116	0.020	<1	1.28	0.004	0.04	0.2	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1223247	Soil	18	0.25	127	0.014	<1	1.17	0.005	0.05	0.1	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
1223248	Soil	15	0.19	144	0.012	<1	1.25	0.004	0.06	0.1	0.02	1.2	0.1	<0.05	4	<0.5	<0.2
1223249	Soil	19	0.28	101	0.019	<1	1.33	0.003	0.05	0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1223250	Soil	22	0.31	133	0.029	<1	1.45	0.004	0.04	0.2	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
1223251	Soil	19	0.30	137	0.021	<1	1.20	0.004	0.04	0.2	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1223252	Soil	20	0.28	109	0.024	1	1.28	0.004	0.05	0.2	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1223253	Soil	18	0.28	108	0.023	<1	1.19	0.004	0.04	0.2	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1223254	Soil	20	0.29	100	0.021	<1	1.27	0.004	0.05	0.2	0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1223255	Soil	15	0.21	120	0.013	<1	1.01	0.004	0.06	0.1	0.02	1.0	<0.1	<0.05	3	<0.5	<0.2
1223256	Soil	18	0.31	112	0.027	<1	1.20	0.004	0.05	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1223257	Soil	19	0.29	127	0.021	<1	1.20	0.004	0.05	0.2	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223258	Soil		0.7	18.2	12.2	45	<0.1	14.8	5.8	135	2.04	12.5	3.1	6.1	7	0.1	0.5	0.2	27	0.07	0.027	19
1223259	Soil		0.7	17.9	11.4	44	<0.1	15.0	6.1	177	1.97	12.5	3.0	6.1	9	<0.1	0.4	0.2	26	0.08	0.020	20
1223260	Soil		0.7	16.2	9.7	43	<0.1	13.3	5.4	130	1.88	10.0	1.9	2.0	8	<0.1	0.4	0.2	27	0.08	0.030	17
1223261	Soil		0.9	10.6	10.8	37	<0.1	11.3	4.6	126	1.80	14.5	4.3	1.8	7	<0.1	0.3	0.2	27	0.06	0.032	13
1223262	Soil		0.7	13.4	11.0	41	<0.1	12.5	5.4	202	1.86	17.7	4.9	3.0	7	0.1	0.3	0.2	27	0.08	0.038	14
1223263	Soil		0.6	14.7	10.8	39	<0.1	13.1	4.6	123	2.07	15.8	9.3	1.9	5	<0.1	0.4	0.2	28	0.05	0.030	18
1223264	Soil		0.6	5.2	11.2	21	<0.1	6.5	2.3	58	1.50	11.4	4.0	0.4	6	<0.1	0.2	0.2	29	0.05	0.021	17
1223265	Soil		1.1	31.6	20.4	21	0.2	9.5	2.9	44	1.31	5.9	3.2	<0.1	8	0.3	0.2	0.2	18	0.06	0.107	5
1223266	Soil		0.8	16.9	14.5	57	<0.1	19.6	8.9	189	2.31	12.9	7.2	5.5	6	0.1	0.5	0.2	32	0.05	0.030	17
1223267	Soil		0.7	21.4	13.9	56	<0.1	18.8	7.2	193	2.49	19.6	3.5	3.8	5	<0.1	0.3	0.3	25	0.04	0.026	18
1223268	Soil		0.9	15.3	12.7	44	<0.1	16.1	5.7	149	2.14	26.3	4.4	1.0	7	0.2	0.5	0.2	36	0.06	0.022	12
1223269	Soil		0.8	9.2	11.3	30	0.1	13.2	4.4	89	1.96	16.7	1.7	3.9	6	0.1	0.4	0.2	38	0.04	0.015	14
1223270	Soil		0.9	21.9	12.9	58	0.1	26.6	10.7	250	2.48	25.3	8.8	4.4	6	0.1	0.6	0.2	40	0.05	0.020	13
1223271	Soil		1.1	19.5	15.7	88	0.2	19.8	7.9	207	2.68	20.5	4.6	4.7	9	0.6	0.5	0.4	46	0.06	0.028	13
1223272	Soil		0.8	8.8	14.3	54	0.2	9.7	3.6	145	2.03	16.3	2.2	1.4	9	0.7	0.3	0.2	47	0.07	0.037	11
1223273	Soil		0.9	16.7	18.0	115	0.1	18.8	5.8	168	2.48	63.9	52.8	4.5	8	0.9	0.4	0.5	37	0.06	0.022	18
1223274	Soil		0.8	22.7	15.4	82	<0.1	22.5	9.2	264	2.56	13.3	6.3	4.4	9	0.3	0.4	0.2	41	0.09	0.027	17
1223275	Soil		0.8	21.4	13.9	68	<0.1	20.1	8.6	325	2.28	14.6	5.0	4.6	11	0.2	0.5	0.2	36	0.12	0.033	16
1223276	Soil		0.7	21.5	9.2	52	<0.1	18.1	7.0	243	1.92	9.7	2.9	2.9	11	0.2	0.5	0.1	33	0.13	0.052	13
1223277	Soil		0.6	16.7	10.9	48	<0.1	15.3	5.9	156	1.88	10.1	1.3	0.7	10	0.2	0.4	0.2	34	0.12	0.048	12
1223278	Soil		0.6	16.0	7.9	46	<0.1	14.2	5.0	134	1.64	8.5	2.7	1.1	11	0.1	0.4	0.1	28	0.14	0.049	11
1223279	Soil		0.6	15.6	7.8	38	<0.1	11.0	3.8	76	1.55	6.9	2.6	0.4	10	0.2	0.4	0.1	28	0.12	0.056	10
1223280	Soil		0.6	16.3	10.1	49	0.1	14.5	5.7	104	1.83	9.9	12.0	1.7	11	0.2	0.5	0.2	31	0.15	0.066	11
1223281	Soil		0.5	9.1	9.1	37	0.1	10.2	3.5	71	1.44	6.8	1.7	0.2	10	0.3	0.3	0.1	28	0.11	0.046	10
1223282	Soil		0.5	13.1	9.4	33	0.1	11.0	3.7	64	1.55	6.1	9.7	0.2	12	0.2	0.3	0.2	25	0.15	0.054	9
1223283	Soil		0.8	19.2	10.4	31	0.2	11.5	3.6	70	1.32	4.8	3.7	0.1	10	0.3	0.3	0.2	25	0.09	0.056	9
1223284	Soil		0.6	12.0	8.8	44	<0.1	12.6	4.8	99	1.80	6.3	5.8	1.1	11	0.1	0.3	0.1	29	0.13	0.048	11
1223285	Soil		0.7	14.7	10.5	50	0.2	15.3	5.6	104	1.95	7.9	14.1	0.9	12	0.1	0.4	0.2	30	0.15	0.061	11
1223286	Soil		0.6	18.2	12.5	62	0.1	17.4	7.0	234	1.97	16.1	2.9	4.8	13	0.2	0.5	0.2	30	0.19	0.051	17
1223287	Soil		0.6	15.3	14.2	58	0.1	15.8	5.5	132	1.96	15.8	3.3	1.6	11	0.2	0.4	0.2	24	0.12	0.052	13

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223258	Soil	19	0.30	106	0.022	1	1.27	0.004	0.05	0.2	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
1223259	Soil	17	0.26	144	0.026	1	1.04	0.004	0.04	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1223260	Soil	17	0.29	106	0.021	1	1.11	0.004	0.04	0.2	0.03	1.3	<0.1	<0.05	3	0.6	<0.2
1223261	Soil	15	0.21	80	0.020	<1	1.06	0.003	0.04	0.2	0.02	1.0	<0.1	<0.05	3	<0.5	<0.2
1223262	Soil	16	0.23	89	0.015	1	0.94	0.003	0.04	0.2	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
1223263	Soil	18	0.29	71	0.012	<1	1.18	0.003	0.04	0.1	0.02	1.0	<0.1	<0.05	3	0.5	<0.2
1223264	Soil	13	0.16	65	0.009	<1	0.92	0.003	0.03	<0.1	0.02	0.5	<0.1	<0.05	4	<0.5	<0.2
1223265	Soil	13	0.06	122	<0.001	2	0.84	0.008	0.04	<0.1	0.09	0.4	<0.1	0.07	2	0.7	<0.2
1223266	Soil	19	0.23	88	0.012	<1	1.32	0.003	0.05	0.1	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
1223267	Soil	19	0.37	69	0.012	<1	1.22	0.002	0.04	0.1	0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
1223268	Soil	22	0.35	100	0.018	<1	1.39	0.004	0.04	0.2	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1223269	Soil	17	0.20	100	0.018	<1	1.43	0.003	0.04	<0.1	0.02	1.4	0.1	<0.05	5	<0.5	<0.2
1223270	Soil	24	0.36	123	0.024	<1	1.49	0.003	0.04	0.2	0.06	2.2	<0.1	<0.05	4	<0.5	<0.2
1223271	Soil	25	0.37	110	0.026	<1	1.59	0.004	0.04	0.2	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
1223272	Soil	15	0.17	102	0.021	<1	0.95	0.004	0.04	0.1	0.02	1.0	<0.1	<0.05	5	<0.5	<0.2
1223273	Soil	20	0.40	97	0.023	<1	1.33	0.004	0.04	0.3	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1223274	Soil	26	0.48	142	0.033	<1	1.61	0.005	0.04	0.2	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1223275	Soil	21	0.39	167	0.031	<1	1.26	0.005	0.04	0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1223276	Soil	18	0.35	175	0.024	<1	1.03	0.004	0.03	0.2	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1223277	Soil	19	0.31	118	0.019	<1	1.10	0.004	0.03	0.1	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
1223278	Soil	17	0.28	106	0.020	1	0.91	0.005	0.03	0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1223279	Soil	17	0.23	103	0.011	<1	0.94	0.004	0.03	0.1	0.03	1.2	<0.1	<0.05	3	0.5	<0.2
1223280	Soil	19	0.30	117	0.023	<1	1.03	0.004	0.03	0.3	0.04	1.4	<0.1	<0.05	3	0.6	<0.2
1223281	Soil	16	0.23	109	0.015	<1	0.94	0.004	0.03	0.2	0.05	0.7	<0.1	<0.05	3	<0.5	<0.2
1223282	Soil	16	0.21	127	0.009	<1	0.93	0.005	0.03	0.2	0.05	0.6	<0.1	<0.05	3	<0.5	<0.2
1223283	Soil	16	0.17	153	0.005	<1	0.96	0.004	0.03	<0.1	0.05	0.4	<0.1	<0.05	4	<0.5	<0.2
1223284	Soil	17	0.26	114	0.021	1	1.02	0.004	0.03	0.2	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1223285	Soil	19	0.30	145	0.018	<1	1.19	0.004	0.03	0.2	0.05	1.4	<0.1	<0.05	3	<0.5	<0.2
1223286	Soil	20	0.35	187	0.028	<1	1.16	0.004	0.03	0.2	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1223287	Soil	17	0.27	162	0.018	<1	1.16	0.005	0.04	0.2	0.05	1.6	<0.1	<0.05	3	0.6	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223288	Soil		0.5	27.6	27.8	89	0.2	24.7	8.7	485	2.61	48.9	5.7	9.1	11	0.5	0.5	0.7	18	0.09	0.044	29
1223289	Soil		0.6	18.0	14.5	54	<0.1	16.8	6.5	252	1.91	18.7	4.1	3.7	8	0.2	0.4	0.3	26	0.08	0.034	17
1223290	Soil		0.7	20.0	17.7	30	0.3	10.9	2.7	69	1.12	20.5	3.6	<0.1	9	0.6	0.2	0.5	15	0.07	0.061	10
1223291	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.
1223292	Soil		0.4	34.2	29.7	102	0.4	28.3	9.8	406	2.81	68.4	7.8	11.0	15	0.5	0.5	0.9	19	0.20	0.049	24
1223293	Soil		0.5	32.4	23.8	99	0.3	22.9	9.2	282	2.53	43.4	14.4	7.8	19	0.4	0.5	0.9	27	0.30	0.048	18
1223294	Soil		0.6	23.0	18.5	76	0.2	18.4	7.6	287	2.16	35.5	8.2	5.0	20	0.3	0.6	0.9	32	0.33	0.059	14
1223295	Soil		0.5	12.5	12.4	54	0.2	13.9	6.9	867	1.81	20.7	7.0	2.6	19	0.1	0.4	0.6	28	0.29	0.063	10
1223296	Soil		0.5	14.7	20.3	72	0.2	15.0	7.1	307	2.17	26.4	13.6	5.4	14	0.3	0.5	0.5	25	0.21	0.053	17
1223297	Soil		0.5	19.1	19.2	73	0.3	15.7	8.2	278	2.16	22.5	3.9	5.7	11	0.2	0.4	0.6	26	0.15	0.055	16
1223298	Soil		0.5	18.7	18.0	73	0.3	17.8	7.4	185	1.77	13.0	5.8	5.5	13	0.2	0.5	0.5	26	0.19	0.052	17
1223299	Soil		0.6	17.3	19.6	70	0.2	16.4	9.4	413	2.00	22.5	4.4	5.8	14	0.3	0.5	0.5	28	0.18	0.050	17
1223300	Soil		0.6	10.3	8.5	55	0.1	13.3	5.2	157	1.60	9.9	6.5	2.4	19	0.2	0.4	0.2	33	0.26	0.071	11
1223301	Soil		0.8	15.9	25.5	62	<0.1	17.6	7.2	322	2.20	18.0	3.9	2.4	6	0.3	0.5	0.3	32	0.06	0.035	13
1223302	Soil		1.0	18.7	20.6	59	0.1	17.9	6.6	291	2.41	17.9	3.8	3.0	6	0.2	0.5	0.3	35	0.05	0.033	13
1223303	Soil		0.9	21.6	12.6	52	<0.1	18.7	6.9	284	2.13	17.3	14.8	1.2	8	0.2	0.4	0.4	29	0.07	0.044	16
1223304	Soil		0.7	21.8	34.3	77	<0.1	21.1	11.4	501	2.57	42.3	6.0	3.3	9	0.3	0.6	0.3	40	0.09	0.045	19
1223305	Soil		1.0	12.3	10.3	41	0.1	12.8	6.0	306	2.33	19.2	3.0	0.7	11	0.1	0.4	0.3	45	0.09	0.048	12
1223306	Soil		1.0	16.6	10.0	33	0.2	10.9	4.5	161	1.92	18.6	3.5	0.7	10	0.2	0.4	0.3	44	0.07	0.046	11
1223307	Soil		0.7	21.0	15.2	32	0.2	13.3	4.9	179	1.59	16.8	5.8	0.3	14	0.3	0.3	0.4	30	0.09	0.039	12
1223308	Soil		0.9	12.5	13.8	43	0.2	15.0	5.5	244	2.29	19.4	8.4	2.0	12	0.2	0.6	0.3	39	0.12	0.038	11
1223309	Soil		0.9	13.3	13.5	49	0.4	17.0	6.6	221	2.37	16.7	4.1	4.0	9	0.2	0.6	0.3	42	0.09	0.026	12
1223310	Soil		1.1	9.7	16.5	51	0.5	15.2	5.1	227	2.54	15.8	2.1	3.1	13	0.4	0.5	0.3	47	0.12	0.032	10
1223311	Soil		0.9	8.4	13.5	45	0.6	13.9	6.0	171	2.29	24.1	1.7	3.2	10	0.2	0.4	0.2	45	0.09	0.022	12
1223312	Soil		0.9	15.0	14.4	48	0.1	14.3	6.7	242	2.46	17.3	2.3	4.5	8	0.2	0.6	0.3	46	0.08	0.027	13
1223313	Soil		0.9	10.5	20.9	42	<0.1	13.5	4.5	117	2.08	16.0	10.6	1.9	7	0.2	0.5	0.2	46	0.06	0.022	11
1223314	Soil		1.0	19.5	17.8	59	<0.1	19.6	6.8	296	2.42	34.7	2.2	3.3	9	0.2	0.6	0.3	38	0.06	0.029	15
1223315	Soil		0.8	21.2	14.3	47	<0.1	16.9	5.9	177	2.46	46.1	7.6	5.4	7	<0.1	0.9	0.3	31	0.05	0.021	19
1223316	Soil		1.1	30.1	37.7	68	0.2	20.7	7.1	190	3.30	74.5	15.9	7.9	9	0.2	1.0	0.4	29	0.05	0.025	19
1223317	Soil		0.9	21.9	21.3	51	0.4	18.4	7.4	211	2.42	25.0	5.1	4.8	10	0.2	0.7	0.3	41	0.07	0.026	14

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223288	Soil	17	0.40	74	0.020	<1	1.15	0.003	0.09	0.4	0.02	1.6	0.1	<0.05	3	<0.5	<0.2
1223289	Soil	16	0.28	96	0.018	<1	1.09	0.004	0.04	0.2	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1223290	Soil	12	0.12	167	0.007	<1	0.73	0.006	0.05	0.2	0.05	0.6	<0.1	0.06	2	<0.5	<0.2
1223291	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.
1223292	Soil	18	0.54	70	0.023	<1	1.24	0.010	0.12	0.4	0.01	2.1	0.2	<0.05	4	<0.5	<0.2
1223293	Soil	20	0.51	174	0.026	<1	1.32	0.008	0.07	0.3	0.03	2.2	0.2	<0.05	4	<0.5	<0.2
1223294	Soil	20	0.41	198	0.017	2	1.18	0.007	0.04	0.3	0.04	2.2	0.2	0.07	4	<0.5	<0.2
1223295	Soil	16	0.33	235	0.011	1	1.04	0.006	0.03	0.4	0.04	1.6	0.1	<0.05	3	<0.5	<0.2
1223296	Soil	17	0.38	144	0.015	1	1.06	0.005	0.06	0.3	0.03	1.6	0.1	<0.05	3	<0.5	<0.2
1223297	Soil	18	0.38	145	0.016	<1	1.14	0.005	0.06	0.4	0.03	1.8	0.1	0.08	4	<0.5	<0.2
1223298	Soil	19	0.39	180	0.020	<1	1.10	0.005	0.05	0.4	0.03	2.0	0.1	<0.05	3	<0.5	<0.2
1223299	Soil	18	0.38	190	0.019	<1	1.13	0.006	0.05	0.4	0.03	2.0	0.1	<0.05	3	<0.5	<0.2
1223300	Soil	16	0.32	138	0.025	1	0.79	0.007	0.04	0.6	0.05	1.5	<0.1	<0.05	3	<0.5	<0.2
1223301	Soil	20	0.33	84	0.017	<1	1.17	0.003	0.03	0.2	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2
1223302	Soil	21	0.36	99	0.020	<1	1.31	0.004	0.04	0.2	0.03	1.7	0.1	<0.05	4	<0.5	<0.2
1223303	Soil	22	0.37	104	0.015	<1	1.15	0.005	0.04	0.1	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1223304	Soil	36	0.52	138	0.024	<1	1.31	0.005	0.05	0.2	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
1223305	Soil	18	0.27	165	0.021	<1	1.00	0.006	0.04	0.2	0.02	1.1	<0.1	0.05	5	<0.5	<0.2
1223306	Soil	16	0.21	168	0.022	<1	0.89	0.005	0.04	0.3	0.04	1.1	<0.1	<0.05	5	<0.5	<0.2
1223307	Soil	15	0.22	262	0.011	<1	0.94	0.006	0.05	0.2	0.03	0.7	<0.1	<0.05	4	<0.5	<0.2
1223308	Soil	19	0.32	190	0.027	<1	0.98	0.005	0.05	0.3	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1223309	Soil	24	0.37	164	0.030	<1	1.49	0.006	0.05	0.3	0.05	2.2	0.1	<0.05	4	<0.5	<0.2
1223310	Soil	24	0.35	227	0.029	<1	1.35	0.005	0.05	0.3	0.03	1.8	0.1	<0.05	5	<0.5	<0.2
1223311	Soil	21	0.33	164	0.029	<1	1.41	0.005	0.04	0.6	0.03	1.7	0.1	<0.05	5	<0.5	<0.2
1223312	Soil	26	0.36	173	0.032	<1	1.56	0.006	0.04	0.6	0.03	2.5	0.1	<0.05	5	<0.5	<0.2
1223313	Soil	21	0.31	129	0.027	<1	1.16	0.005	0.04	0.2	0.03	1.7	0.1	<0.05	5	<0.5	<0.2
1223314	Soil	24	0.38	175	0.026	<1	1.34	0.006	0.05	0.4	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1223315	Soil	20	0.37	108	0.017	<1	1.33	0.005	0.04	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1223316	Soil	22	0.48	88	0.019	<1	1.43	0.004	0.04	0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1223317	Soil	26	0.40	128	0.038	<1	1.56	0.006	0.05	0.2	0.05	2.8	0.1	<0.05	4	<0.5	<0.2

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Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223318	Soil		1.4	13.1	70.0	61	2.2	14.9	6.3	216	2.77	22.0	6.1	3.6	8	0.3	0.5	0.3	49	0.06	0.035	12
1223319	Soil		1.2	14.4	26.4	41	0.3	13.0	5.5	156	2.13	37.0	5.7	1.8	10	0.2	0.5	0.3	41	0.07	0.034	14
1223320	Soil		0.8	18.2	21.3	54	0.2	17.6	7.0	206	2.59	40.2	4.3	5.5	7	0.2	0.6	0.3	39	0.05	0.022	15
1223321	Soil		1.0	19.8	25.0	52	1.1	13.6	5.5	167	2.85	42.4	5.3	6.9	9	0.2	0.6	0.4	37	0.05	0.024	19
1223322	Soil		1.0	18.2	16.8	40	0.2	12.0	4.5	121	2.41	24.4	2.7	7.3	7	0.1	0.5	0.4	31	0.04	0.020	23
1223323	Soil		0.9	19.8	14.0	47	0.1	17.8	6.4	164	2.57	25.2	1.8	5.9	8	<0.1	0.6	0.3	39	0.06	0.022	17
1223324	Soil		0.8	9.6	10.8	42	0.1	14.3	5.8	153	2.08	13.1	1.3	3.8	7	<0.1	0.5	0.3	41	0.06	0.024	13
1223325	Soil		0.7	29.3	15.2	62	<0.1	29.2	8.6	225	2.78	34.5	13.9	9.1	6	<0.1	0.7	0.3	24	0.04	0.016	23
1223326	Soil		0.6	34.3	13.0	67	<0.1	29.9	11.4	326	2.79	42.4	3.1	9.3	10	0.1	0.6	0.4	27	0.09	0.027	27
1223327	Soil		0.9	22.9	18.0	71	0.1	26.0	9.8	296	2.82	43.4	2.7	7.4	10	0.2	0.7	0.4	32	0.08	0.047	24
1223328	Soil		1.0	21.2	18.0	61	0.1	21.4	9.1	292	2.52	30.4	10.3	3.7	9	0.3	0.6	0.4	33	0.07	0.055	24
1223329	Soil		0.8	20.7	15.1	52	<0.1	19.4	7.2	188	2.17	20.3	5.2	5.6	11	0.1	0.6	0.3	27	0.08	0.027	20
1223330	Soil		0.8	15.7	8.7	47	<0.1	13.1	4.8	106	1.80	7.4	5.8	2.3	11	0.2	0.5	0.2	36	0.13	0.054	15
1223331	Soil		0.8	13.6	8.9	46	<0.1	13.2	5.4	108	1.78	7.3	3.4	2.5	11	0.2	0.5	0.2	37	0.12	0.058	14
1223332	Soil		0.6	13.1	7.9	42	<0.1	12.3	4.4	96	1.66	7.2	5.8	1.4	10	0.2	0.5	0.1	35	0.14	0.048	13
1223333	Soil		0.7	17.4	8.2	49	<0.1	14.2	5.2	118	1.78	8.2	4.9	2.7	11	0.1	0.6	0.1	36	0.15	0.062	15
1223334	Soil		0.9	16.2	8.8	44	<0.1	13.9	4.9	108	1.81	7.6	2.5	2.1	10	0.1	0.6	0.2	40	0.12	0.047	15
1223335	Soil		0.8	22.8	9.2	54	<0.1	16.9	7.2	184	2.03	8.8	3.9	3.7	14	0.1	0.7	0.2	41	0.16	0.057	18
1223336	Soil		0.7	18.5	8.8	47	<0.1	18.0	6.2	151	2.03	8.3	1.9	3.6	8	0.1	0.7	0.2	35	0.08	0.026	17
1223337	Soil		1.2	16.2	11.6	41	<0.1	13.1	5.7	150	2.42	10.9	0.5	5.2	6	0.1	0.7	0.3	40	0.04	0.033	23
1223338	Soil		0.8	23.5	12.0	53	<0.1	19.8	6.6	205	2.27	7.4	0.7	4.8	6	0.1	0.7	0.2	24	0.04	0.034	27
1223339	Soil		0.5	25.4	11.2	48	<0.1	18.9	6.8	213	2.03	7.3	1.7	6.7	7	0.1	0.7	0.2	25	0.06	0.020	24
1223340	Soil		0.6	20.9	11.4	44	<0.1	16.5	6.2	155	2.02	7.4	0.6	6.5	6	<0.1	0.7	0.2	27	0.04	0.018	24
1223341	Soil		0.7	18.5	10.3	38	<0.1	14.6	5.7	123	1.71	6.5	2.0	5.3	6	<0.1	0.6	0.2	29	0.04	0.015	21
1223342	Soil		0.9	20.3	10.1	40	<0.1	17.1	5.6	184	2.35	10.3	1.1	5.4	4	0.1	1.0	0.2	28	0.02	0.033	23
1223343	Soil		1.3	9.5	10.8	47	<0.1	14.6	6.9	204	3.21	16.3	1.6	3.3	8	0.1	0.8	0.2	58	0.07	0.036	11
1223344	Soil		1.1	15.2	13.0	70	<0.1	20.9	8.9	183	2.48	11.0	1.5	3.8	9	0.3	0.5	0.3	61	0.08	0.041	11
1223345	Soil		1.0	19.5	12.5	42	<0.1	16.8	6.2	162	2.11	9.9	2.4	5.6	8	<0.1	0.7	0.2	39	0.06	0.025	17
1223346	Soil		1.3	19.5	11.6	60	<0.1	20.7	8.1	229	3.08	15.1	4.5	3.1	9	0.2	0.8	0.2	60	0.08	0.093	11
1223347	Soil		0.8	19.1	9.0	50	<0.1	16.3	5.9	188	1.80	6.9	3.2	4.6	11	<0.1	0.7	0.1	28	0.11	0.041	18

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223318	Soil		25	0.32	123	0.028	<1	1.56	0.005	0.04	0.2	0.04	1.8	0.1	<0.05	5	<0.5	<0.2
1223319	Soil		19	0.23	143	0.026	<1	1.04	0.005	0.04	0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2
1223320	Soil		24	0.36	102	0.028	<1	1.47	0.005	0.04	0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1223321	Soil		23	0.35	114	0.021	<1	1.63	0.004	0.04	0.1	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
1223322	Soil		18	0.32	106	0.018	<1	1.25	0.004	0.04	0.1	0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1223323	Soil		23	0.38	127	0.028	<1	1.55	0.006	0.04	0.1	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
1223324	Soil		20	0.29	112	0.027	<1	1.25	0.004	0.04	0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1223325	Soil		25	0.48	114	0.010	<1	1.51	0.004	0.03	0.1	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1223326	Soil		24	0.55	164	0.020	<1	1.52	0.006	0.04	0.1	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1223327	Soil		24	0.50	138	0.023	<1	1.50	0.005	0.05	0.1	0.01	1.8	<0.1	<0.05	5	<0.5	<0.2
1223328	Soil		20	0.41	153	0.022	<1	1.37	0.005	0.04	0.2	0.01	1.6	0.1	<0.05	5	<0.5	<0.2
1223329	Soil		20	0.37	149	0.024	<1	1.27	0.004	0.04	0.1	0.01	1.8	<0.1	<0.05	4	<0.5	<0.2
1223330	Soil		20	0.26	109	0.027	2	1.09	0.005	0.03	0.1	0.03	1.7	<0.1	0.05	3	<0.5	<0.2
1223331	Soil		19	0.27	98	0.026	2	1.03	0.004	0.03	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1223332	Soil		18	0.26	87	0.026	1	1.05	0.005	0.03	0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1223333	Soil		20	0.28	117	0.030	1	1.07	0.005	0.03	0.2	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1223334	Soil		21	0.27	111	0.027	2	1.15	0.005	0.04	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1223335	Soil		23	0.36	177	0.033	1	1.22	0.006	0.04	0.2	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
1223336	Soil		21	0.30	100	0.027	<1	1.12	0.009	0.03	0.2	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1223337	Soil		16	0.14	92	0.013	<1	1.12	0.003	0.04	0.1	0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
1223338	Soil		16	0.21	115	0.011	<1	0.95	0.003	0.04	0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
1223339	Soil		17	0.27	156	0.021	<1	0.97	0.004	0.04	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1223340	Soil		16	0.22	116	0.016	<1	1.04	0.003	0.04	<0.1	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1223341	Soil		17	0.23	118	0.026	<1	0.98	0.005	0.03	0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1223342	Soil		14	0.13	81	0.010	<1	0.93	0.003	0.04	0.1	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
1223343	Soil		29	0.36	137	0.033	<1	1.42	0.005	0.04	0.2	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
1223344	Soil		28	0.30	258	0.033	<1	1.84	0.007	0.05	0.2	0.02	2.0	<0.1	<0.05	6	<0.5	<0.2
1223345	Soil		22	0.26	179	0.020	1	1.44	0.004	0.04	0.2	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1223346	Soil		30	0.38	141	0.024	<1	1.71	0.005	0.05	0.2	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
1223347	Soil		18	0.28	153	0.028	<1	0.92	0.004	0.04	0.2	0.02	2.0	<0.1	<0.05	3	0.7	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223348	Soil		0.9	13.7	8.6	50	<0.1	16.1	5.9	163	1.80	7.5	4.4	4.9	10	0.2	0.7	0.1	27	0.10	0.055	19
1223349	Soil		0.3	11.2	11.0	33	<0.1	10.4	3.8	87	1.39	4.1	1.4	6.8	8	<0.1	0.5	0.2	16	0.09	0.031	24
1223350	Soil		0.5	18.4	10.6	46	<0.1	15.4	6.8	227	2.01	6.8	1.7	7.6	7	<0.1	0.7	0.2	20	0.06	0.032	27
1223351	Soil		0.8	16.5	13.9	43	<0.1	15.8	5.1	165	2.03	31.0	4.1	5.1	8	0.1	0.4	0.2	25	0.05	0.046	27
1223352	Soil		0.8	16.9	14.0	39	<0.1	14.0	5.0	134	1.85	22.5	2.2	3.1	8	0.1	0.4	0.2	27	0.07	0.036	18
1223353	Soil		1.0	16.3	14.5	45	0.1	15.3	5.5	151	2.37	24.7	2.2	5.1	7	<0.1	0.5	0.2	36	0.05	0.034	17
1223355	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.
1223356	Soil		0.8	16.0	9.0	32	0.2	12.0	3.3	191	1.16	9.4	1.3	0.2	9	0.3	0.3	0.1	24	0.09	0.069	14
1223357	Soil		1.2	15.8	11.7	38	<0.1	13.0	3.7	164	2.37	13.8	2.7	0.9	7	0.1	0.6	0.3	76	0.07	0.026	19
1223358	Soil		0.9	16.1	16.8	51	<0.1	17.4	8.7	261	2.61	16.9	1.4	2.3	8	0.1	0.7	0.2	43	0.08	0.041	14
1223359	Soil		1.4	10.2	14.9	34	<0.1	11.9	4.1	279	2.72	13.5	14.5	0.9	6	0.1	0.7	0.2	55	0.06	0.038	11
1223360	Soil		1.0	28.7	17.7	64	<0.1	27.6	15.2	546	2.64	16.2	3.8	5.0	9	0.2	0.6	0.2	34	0.13	0.061	17
1223361	Soil		0.9	11.0	11.6	30	<0.1	9.8	3.7	148	1.86	11.8	11.4	0.5	6	<0.1	0.5	0.2	43	0.05	0.026	14
1223362	Soil		0.7	23.1	15.3	52	<0.1	20.6	6.6	181	2.33	7.7	2.3	4.1	8	<0.1	0.6	0.2	29	0.08	0.044	21
1223363	Soil		0.6	34.1	18.2	72	0.1	38.4	17.3	450	2.85	18.9	1.6	9.2	6	0.1	0.5	0.2	24	0.07	0.038	28
1223364	Soil		0.8	16.6	17.1	41	0.3	18.9	5.9	154	2.08	33.1	5.7	2.0	6	0.1	0.5	0.2	28	0.05	0.038	17
1223365	Soil		0.9	11.3	18.8	34	<0.1	12.5	4.1	162	2.49	16.0	0.7	2.3	7	<0.1	0.6	0.2	44	0.07	0.035	14
1223366	Soil		1.2	10.7	13.2	28	<0.1	10.0	3.1	130	1.54	21.4	18.6	1.6	6	<0.1	0.5	0.2	38	0.04	0.027	21
1223367	Soil		0.7	7.0	9.9	21	0.3	6.0	2.4	118	1.23	12.2	2.0	0.2	5	<0.1	0.3	0.2	26	0.04	0.043	13
1223368	Soil		1.0	11.1	17.5	32	0.2	11.7	3.6	137	1.81	14.5	1.9	0.7	6	0.2	0.3	0.2	35	0.05	0.039	11
1223369	Soil		0.9	15.7	13.9	46	0.3	15.5	5.9	197	2.15	12.1	4.7	0.4	9	0.1	0.5	0.2	32	0.07	0.060	12
1223370	Soil		1.1	16.3	12.1	53	0.1	16.8	6.0	234	2.22	12.5	14.8	0.9	10	0.2	0.5	0.2	38	0.13	0.066	14
1223371	Soil		0.8	10.8	8.7	39	<0.1	10.7	3.7	114	1.82	8.8	5.5	0.3	7	0.1	0.3	0.1	34	0.05	0.038	11
1223372	Soil		1.0	17.3	13.3	51	<0.1	15.0	5.4	203	2.25	11.8	5.6	0.9	10	0.1	0.5	0.2	39	0.11	0.060	14
1223373	Soil		0.7	15.6	10.5	45	<0.1	13.3	4.9	160	1.96	11.3	62.2	0.8	9	<0.1	0.5	0.2	36	0.12	0.057	13
1223374	Soil		0.8	9.0	9.1	27	<0.1	7.9	2.5	67	1.37	8.4	1.3	0.2	7	<0.1	0.3	0.2	30	0.06	0.037	10
1223375	Soil		0.8	14.2	16.5	38	0.1	9.5	3.2	106	1.74	16.9	2.4	0.7	8	0.1	0.4	0.2	25	0.08	0.048	14
1223376	Soil		0.8	16.6	12.4	46	<0.1	10.6	4.0	160	2.24	10.8	0.9	1.5	8	0.1	0.4	0.2	26	0.08	0.048	19
1223377	Soil		0.7	15.3	10.3	42	<0.1	11.4	3.6	135	1.89	9.6	2.3	1.0	8	<0.1	0.4	0.2	25	0.08	0.044	18
1223378	Soil		0.8	12.0	12.0	33	<0.1	8.1	2.7	102	1.68	9.5	1.3	0.4	7	<0.1	0.3	0.2	23	0.06	0.047	15

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Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223348	Soil	16	0.24	122	0.025	<1	0.90	0.004	0.04	0.2	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
1223349	Soil	12	0.20	96	0.009	<1	0.76	0.003	0.07	0.1	0.02	1.2	<0.1	<0.05	2	<0.5	<0.2
1223350	Soil	15	0.25	132	0.011	<1	0.95	0.005	0.07	0.1	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1223351	Soil	17	0.24	108	0.014	2	1.02	0.004	0.07	0.3	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1223352	Soil	17	0.24	121	0.015	<1	1.02	0.004	0.04	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1223353	Soil	22	0.28	133	0.016	<1	1.36	0.004	0.04	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1223355	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.
1223356	Soil	13	0.10	112	0.006	1	0.59	0.006	0.03	<0.1	0.06	0.2	<0.1	0.05	3	0.5	<0.2
1223357	Soil	22	0.20	78	0.025	<1	1.26	0.004	0.02	0.1	0.02	1.2	<0.1	<0.05	8	<0.5	<0.2
1223358	Soil	22	0.31	72	0.021	<1	1.34	0.004	0.03	0.2	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1223359	Soil	20	0.14	76	0.020	<1	0.86	0.004	0.03	0.1	0.03	0.9	<0.1	<0.05	5	<0.5	<0.2
1223360	Soil	24	0.43	82	0.019	<1	1.30	0.004	0.04	0.2	0.04	1.7	<0.1	<0.05	4	<0.5	<0.2
1223361	Soil	18	0.17	61	0.011	<1	1.01	0.003	0.03	0.1	0.03	0.7	<0.1	<0.05	5	<0.5	<0.2
1223362	Soil	25	0.43	79	0.008	<1	1.36	0.004	0.04	<0.1	0.05	1.6	<0.1	<0.05	4	0.5	<0.2
1223363	Soil	19	0.46	116	0.009	<1	1.37	0.004	0.05	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1223364	Soil	19	0.24	74	0.011	<1	0.97	0.006	0.04	0.1	0.04	1.0	<0.1	<0.05	3	<0.5	<0.2
1223365	Soil	21	0.24	49	0.021	<1	1.13	0.004	0.03	0.1	0.03	1.2	<0.1	<0.05	5	<0.5	<0.2
1223366	Soil	14	0.12	38	0.016	<1	0.58	0.003	0.04	0.2	0.02	0.7	<0.1	<0.05	5	<0.5	<0.2
1223367	Soil	11	0.11	35	0.009	4	0.61	0.004	0.03	0.1	0.05	0.3	<0.1	0.07	4	<0.5	<0.2
1223368	Soil	18	0.16	49	0.011	3	0.85	0.005	0.03	0.2	0.06	0.8	<0.1	<0.05	4	0.5	<0.2
1223369	Soil	20	0.31	135	0.009	3	1.16	0.006	0.04	0.2	0.04	1.0	<0.1	<0.05	4	0.6	<0.2
1223370	Soil	23	0.34	83	0.020	<1	1.04	0.010	0.04	0.5	0.03	1.2	<0.1	<0.05	4	0.7	<0.2
1223371	Soil	18	0.24	73	0.011	1	0.91	0.005	0.03	0.3	0.04	0.5	<0.1	<0.05	4	<0.5	<0.2
1223372	Soil	23	0.38	112	0.020	1	1.25	0.006	0.04	0.4	0.04	1.3	<0.1	<0.05	4	0.6	<0.2
1223373	Soil	19	0.32	97	0.021	1	1.06	0.004	0.03	0.2	0.05	1.1	0.1	<0.05	3	<0.5	<0.2
1223374	Soil	15	0.22	67	0.013	<1	0.76	0.004	0.03	0.2	0.06	0.5	<0.1	<0.05	3	<0.5	<0.2
1223375	Soil	16	0.27	57	0.010	<1	0.92	0.004	0.03	0.1	0.03	0.6	<0.1	<0.05	3	<0.5	<0.2
1223376	Soil	20	0.38	71	0.012	<1	1.11	0.004	0.03	0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1223377	Soil	18	0.33	62	0.014	<1	0.96	0.004	0.03	0.2	0.03	0.9	<0.1	<0.05	3	<0.5	<0.2
1223378	Soil	17	0.26	59	0.008	<1	0.91	0.005	0.03	0.2	0.03	0.5	<0.1	<0.05	3	<0.5	<0.2

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Project: LUG+TS
Report Date: September 29, 2011

CERTIFICATE OF ANALYSIS WHI11001046.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223379	Soil	0.7	18.9	15.8	42	<0.1	12.0	3.8	144	1.95	12.9	3.2	2.3	8	<0.1	0.5	0.2	25	0.09	0.046	18
1223380	Soil	0.6	15.9	17.2	36	0.1	9.5	3.1	110	1.69	12.1	1.5	1.0	8	0.1	0.4	0.2	21	0.07	0.046	19
1223381	Soil	0.7	11.5	10.4	34	<0.1	9.0	3.0	93	1.66	8.9	1.3	1.3	7	0.1	0.3	0.1	25	0.08	0.034	15
1223382	Soil	0.6	15.5	9.4	42	<0.1	11.7	4.3	165	1.88	8.9	13.9	2.4	8	<0.1	0.4	0.1	27	0.09	0.041	16
1223383	Soil	0.6	10.6	8.8	31	<0.1	9.4	2.9	95	1.43	7.1	4.6	0.4	7	<0.1	0.3	0.1	24	0.07	0.039	13
1223384	Soil	0.7	18.5	12.4	46	<0.1	14.5	5.7	190	1.94	9.3	2.6	1.4	8	0.2	0.4	0.1	26	0.08	0.040	16
1223385	Soil	0.7	10.2	7.8	36	<0.1	10.5	3.5	95	1.48	7.0	1.5	0.7	7	<0.1	0.3	0.1	27	0.07	0.030	13
1223386	Soil	0.5	12.7	9.1	36	<0.1	11.3	3.5	94	1.52	8.1	1.6	0.7	7	<0.1	0.4	0.1	25	0.09	0.036	14
1223387	Soil	0.6	13.3	8.4	39	<0.1	12.1	3.6	108	1.85	9.4	9.2	1.2	8	<0.1	0.4	0.1	29	0.10	0.041	11
1223388	Soil	0.7	17.1	10.5	39	<0.1	11.9	3.8	123	1.76	9.2	1.8	0.9	7	<0.1	0.4	0.2	26	0.08	0.035	16
1223389	Soil	0.5	11.4	10.1	19	<0.1	5.5	1.6	47	1.15	6.2	0.8	0.3	6	<0.1	0.2	0.2	24	0.05	0.039	12
1223390	Soil	0.6	10.1	9.5	37	<0.1	10.6	3.3	90	1.76	11.4	4.9	0.6	8	<0.1	0.3	0.1	30	0.09	0.042	12
1223391	Soil	0.5	9.5	10.8	33	<0.1	10.3	3.1	87	1.54	9.2	2.6	0.6	8	<0.1	0.3	0.1	29	0.08	0.034	12
1223392	Soil	0.8	19.4	13.1	50	<0.1	15.3	6.3	233	1.97	12.0	5.7	2.1	8	0.1	0.5	0.2	30	0.07	0.039	14
1223393	Soil	1.0	20.9	10.7	49	<0.1	16.2	5.6	215	2.07	11.5	1.4	1.0	9	0.1	0.6	0.1	32	0.09	0.054	12
1223394	Soil	0.7	16.4	9.7	43	<0.1	14.1	5.5	185	1.92	9.5	3.0	1.4	9	0.1	0.4	0.1	30	0.09	0.052	13
1223395	Soil	0.6	11.6	10.0	34	<0.1	10.9	3.8	113	1.50	8.8	<0.5	0.6	7	0.2	0.3	0.1	28	0.06	0.039	12
1223396	Soil	0.7	12.7	11.1	38	<0.1	13.4	4.1	120	1.70	9.1	1.6	1.2	7	<0.1	0.3	0.1	31	0.07	0.034	13
1223397	Soil	0.9	10.1	9.7	30	<0.1	10.8	3.0	80	1.37	7.4	7.9	0.3	7	<0.1	0.3	0.1	26	0.06	0.034	11
1223398	Soil	0.6	17.0	9.2	45	<0.1	15.1	5.3	176	1.99	9.7	0.6	1.9	7	<0.1	0.4	0.1	30	0.09	0.043	13

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Project: LUG+TS
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CERTIFICATE OF ANALYSIS WHI11001046.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223379	Soil	17	0.31	69	0.016	<1	0.91	0.004	0.03	0.2	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
1223380	Soil	17	0.26	71	0.010	<1	0.97	0.004	0.03	0.2	0.04	0.8	<0.1	<0.05	3	<0.5	<0.2
1223381	Soil	17	0.27	52	0.018	1	0.92	0.005	0.03	0.1	0.04	1.0	<0.1	<0.05	3	<0.5	<0.2
1223382	Soil	18	0.33	59	0.020	<1	0.94	0.003	0.03	0.2	0.02	1.2	<0.1	<0.05	3	0.6	<0.2
1223383	Soil	16	0.23	52	0.013	<1	0.90	0.005	0.03	0.1	0.03	0.6	<0.1	<0.05	3	<0.5	<0.2
1223384	Soil	19	0.34	99	0.016	1	1.10	0.005	0.03	0.1	0.02	1.2	<0.1	<0.05	3	<0.5	<0.2
1223385	Soil	16	0.27	54	0.018	<1	0.83	0.004	0.03	0.1	0.02	0.9	<0.1	<0.05	3	<0.5	<0.2
1223386	Soil	17	0.26	61	0.015	<1	0.91	0.004	0.03	0.1	0.02	0.8	<0.1	<0.05	3	<0.5	<0.2
1223387	Soil	19	0.28	64	0.018	<1	1.02	0.005	0.03	0.2	0.06	1.1	<0.1	<0.05	3	<0.5	<0.2
1223388	Soil	17	0.30	66	0.017	<1	0.94	0.006	0.03	0.1	0.03	0.9	<0.1	<0.05	3	<0.5	<0.2
1223389	Soil	15	0.15	50	0.009	<1	0.85	0.007	0.02	0.1	0.03	0.3	<0.1	<0.05	4	<0.5	<0.2
1223390	Soil	17	0.27	56	0.018	<1	0.90	0.004	0.03	0.2	0.03	0.9	<0.1	<0.05	3	<0.5	<0.2
1223391	Soil	16	0.26	87	0.019	<1	0.86	0.004	0.03	0.2	0.03	0.8	<0.1	<0.05	3	<0.5	<0.2
1223392	Soil	18	0.33	97	0.022	<1	1.02	0.006	0.03	0.2	0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
1223393	Soil	19	0.31	94	0.018	<1	1.00	0.005	0.04	0.2	0.04	1.2	<0.1	<0.05	3	<0.5	<0.2
1223394	Soil	18	0.29	86	0.020	2	1.04	0.005	0.03	0.2	0.03	1.2	<0.1	<0.05	3	<0.5	<0.2
1223395	Soil	16	0.22	79	0.019	<1	0.85	0.005	0.03	0.1	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
1223396	Soil	18	0.25	73	0.019	<1	0.95	0.006	0.03	0.1	0.03	1.0	<0.1	<0.05	3	<0.5	<0.2
1223397	Soil	16	0.21	61	0.015	<1	0.92	0.005	0.03	0.1	0.03	0.7	<0.1	<0.05	3	<0.5	<0.2
1223398	Soil	19	0.33	92	0.016	<1	1.14	0.004	0.03	0.1	0.03	1.5	<0.1	<0.05	3	0.5	<0.2

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QUALITY CONTROL REPORT WHI11001046.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1222663	Soil	0.9	22.4	10.2	59	0.1	19.7	7.5	270	2.20	11.4	7.2	1.2	10	0.1	0.6	0.1	36	0.11	0.060	16
REP 1222663	QC	0.9	23.1	10.1	60	0.1	19.3	7.7	276	2.22	11.1	1.1	1.5	9	0.1	0.6	0.2	34	0.11	0.060	15
1222682	Soil	1.2	13.0	14.6	33	0.3	10.0	4.7	154	2.97	10.9	0.8	3.1	7	0.2	0.6	0.2	52	0.06	0.036	11
REP 1222682	QC	1.2	12.5	14.6	32	0.2	10.0	4.7	147	2.82	11.5	1.0	3.1	7	0.1	0.6	0.3	49	0.06	0.035	10
1222955	Soil	1.0	29.6	12.9	60	<0.1	22.7	9.6	296	2.64	12.8	0.5	1.2	10	0.2	0.7	0.2	44	0.11	0.065	20
REP 1222955	QC	1.0	30.3	13.0	66	<0.1	24.1	10.0	301	2.84	12.6	2.8	1.3	11	0.1	0.7	0.2	46	0.11	0.067	19
1222960	Soil	1.3	17.8	11.4	59	<0.1	17.6	7.6	260	2.78	11.7	0.6	1.7	11	0.1	0.6	0.2	53	0.11	0.077	15
REP 1222960	QC	1.1	17.1	11.6	54	<0.1	16.0	7.2	218	2.50	11.0	1.8	1.4	9	0.1	0.6	0.2	46	0.09	0.074	15
1222994	Soil	1.0	10.8	12.9	49	<0.1	12.4	4.5	137	2.58	36.5	6.3	3.4	9	0.1	0.6	0.2	38	0.08	0.040	15
REP 1222994	QC	1.0	11.2	13.3	49	<0.1	12.1	4.6	138	2.61	36.9	4.4	3.6	9	0.1	0.6	0.2	39	0.08	0.041	15
1223092	Soil	0.9	32.1	12.7	61	<0.1	22.9	8.5	239	2.50	11.0	5.1	8.7	7	0.1	1.6	0.2	27	0.05	0.014	26
REP 1223092	QC	1.0	31.5	13.0	59	<0.1	22.9	8.8	238	2.51	11.3	1.5	8.7	7	0.1	1.5	0.2	30	0.04	0.015	27
1223098	Soil	1.1	27.2	30.8	93	<0.1	17.6	8.0	237	2.45	379.3	18.9	10.8	12	0.2	7.0	0.3	18	0.18	0.030	34
REP 1223098	QC	1.0	27.0	30.6	98	<0.1	17.3	7.5	238	2.46	372.5	17.6	11.2	12	0.2	6.8	0.2	19	0.18	0.028	33
1223213	Soil	0.3	19.6	10.3	55	<0.1	19.0	7.5	233	2.12	7.1	0.7	10.2	11	0.1	0.6	0.2	15	0.11	0.049	33
REP 1223213	QC	0.3	19.9	10.3	54	<0.1	19.1	7.2	233	2.14	7.0	0.8	9.7	11	0.1	0.6	0.2	14	0.10	0.048	32
1223229	Soil	1.1	16.7	15.5	42	<0.1	17.5	5.8	132	2.10	10.8	0.8	6.7	7	<0.1	0.7	0.1	31	0.06	0.018	25
REP 1223229	QC	1.1	17.0	14.6	42	<0.1	17.9	5.7	137	2.18	10.9	2.7	6.8	6	<0.1	0.7	0.1	32	0.05	0.018	25
1223256	Soil	0.7	16.3	11.8	43	<0.1	15.5	5.6	138	1.92	13.2	5.9	6.0	8	<0.1	0.4	0.2	28	0.07	0.024	22
REP 1223256	QC	0.8	16.8	11.8	45	<0.1	14.6	5.7	143	1.89	13.2	2.2	5.8	8	<0.1	0.4	0.2	29	0.07	0.026	22
1223266	Soil	0.8	16.9	14.5	57	<0.1	19.6	8.9	189	2.31	12.9	7.2	5.5	6	0.1	0.5	0.2	32	0.05	0.030	17
REP 1223266	QC	0.7	16.1	14.5	52	<0.1	18.1	8.8	178	2.21	12.4	6.1	5.7	6	0.1	0.5	0.2	31	0.05	0.030	17
1223288	Soil	0.5	27.6	27.8	89	0.2	24.7	8.7	485	2.61	48.9	5.7	9.1	11	0.5	0.5	0.7	18	0.09	0.044	29
REP 1223288	QC	0.4	26.6	27.4	86	0.2	24.1	8.6	483	2.55	45.4	10.2	8.8	10	0.3	0.5	0.7	17	0.09	0.042	27
1223308	Soil	0.9	12.5	13.8	43	0.2	15.0	5.5	244	2.29	19.4	8.4	2.0	12	0.2	0.6	0.3	39	0.12	0.038	11
REP 1223308	QC	0.9	12.0	13.9	41	0.2	14.5	5.5	230	2.24	19.0	3.1	2.0	12	0.1	0.6	0.3	37	0.13	0.037	11
1223316	Soil	1.1	30.1	37.7	68	0.2	20.7	7.1	190	3.30	74.5	15.9	7.9	9	0.2	1.0	0.4	29	0.05	0.025	19
REP 1223316	QC	1.1	29.6	37.1	67	0.2	20.2	6.9	189	3.19	72.7	7.9	7.9	8	0.2	0.9	0.4	28	0.05	0.026	20

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Project: LUG+TS
Report Date: September 29, 2011

QUALITY CONTROL REPORT WHI11001046.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1222663	Soil	24	0.38	108	0.023	<1	1.40	0.004	0.04	0.2	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
REP 1222663	QC	24	0.38	110	0.018	<1	1.38	0.008	0.03	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1222682	Soil	23	0.25	90	0.029	1	1.51	0.004	0.05	0.2	0.04	1.6	0.1	<0.05	5	<0.5	<0.2
REP 1222682	QC	22	0.25	84	0.026	<1	1.51	0.004	0.04	0.2	0.05	1.6	0.1	<0.05	5	0.5	<0.2
1222955	Soil	26	0.40	130	0.021	1	1.53	0.006	0.05	0.2	0.04	1.6	<0.1	0.14	5	<0.5	<0.2
REP 1222955	QC	27	0.42	136	0.021	6	1.53	0.006	0.05	0.1	0.03	1.7	<0.1	0.16	5	<0.5	<0.2
1222960	Soil	32	0.39	99	0.030	2	1.66	0.005	0.05	0.2	0.03	2.2	0.1	0.19	5	0.6	<0.2
REP 1222960	QC	27	0.38	99	0.025	1	1.57	0.005	0.04	0.2	0.02	1.8	0.1	<0.05	5	<0.5	<0.2
1222994	Soil	20	0.31	70	0.028	<1	1.04	0.004	0.04	0.3	0.03	1.6	<0.1	<0.05	4	0.8	<0.2
REP 1222994	QC	21	0.32	71	0.029	<1	1.06	0.004	0.03	0.3	0.03	1.7	<0.1	<0.05	4	0.8	<0.2
1223092	Soil	21	0.38	149	0.020	<1	1.25	0.005	0.05	0.1	0.03	2.9	<0.1	<0.05	3	0.5	<0.2
REP 1223092	QC	21	0.39	147	0.021	<1	1.26	0.005	0.05	0.1	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
1223098	Soil	13	0.24	229	0.004	<1	0.86	0.004	0.06	0.1	0.01	2.3	<0.1	0.06	2	<0.5	<0.2
REP 1223098	QC	13	0.24	223	0.005	<1	0.90	0.004	0.06	0.1	0.01	2.2	<0.1	<0.05	2	<0.5	<0.2
1223213	Soil	13	0.31	68	0.015	<1	0.80	0.003	0.08	0.1	0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
REP 1223213	QC	13	0.30	67	0.014	<1	0.80	0.003	0.08	0.1	0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
1223229	Soil	19	0.23	142	0.011	<1	1.17	0.004	0.05	0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
REP 1223229	QC	19	0.23	135	0.010	<1	1.14	0.004	0.04	0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1223256	Soil	18	0.31	112	0.027	<1	1.20	0.004	0.05	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
REP 1223256	QC	18	0.30	116	0.026	<1	1.20	0.004	0.05	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1223266	Soil	19	0.23	88	0.012	<1	1.32	0.003	0.05	0.1	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
REP 1223266	QC	19	0.26	90	0.012	<1	1.37	0.003	0.05	0.1	0.03	1.8	0.1	<0.05	3	<0.5	<0.2
1223288	Soil	17	0.40	74	0.020	<1	1.15	0.003	0.09	0.4	0.02	1.6	0.1	<0.05	3	<0.5	<0.2
REP 1223288	QC	17	0.39	70	0.020	<1	1.11	0.003	0.09	0.4	<0.01	1.5	0.1	<0.05	3	<0.5	<0.2
1223308	Soil	19	0.32	190	0.027	<1	0.98	0.005	0.05	0.3	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
REP 1223308	QC	19	0.30	184	0.027	<1	0.94	0.005	0.05	0.3	0.05	1.5	<0.1	<0.05	3	<0.5	<0.2
1223316	Soil	22	0.48	88	0.019	<1	1.43	0.004	0.04	0.1	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
REP 1223316	QC	21	0.46	85	0.020	<1	1.46	0.004	0.04	0.1	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223332	Soil	0.6	13.1	7.9	42	<0.1	12.3	4.4	96	1.66	7.2	5.8	1.4	10	0.2	0.5	0.1	35	0.14	0.048	13
REP 1223332	QC	0.7	13.5	8.0	45	<0.1	13.0	4.5	98	1.75	8.1	1.1	1.5	11	0.2	0.5	0.2	36	0.13	0.049	13
1223353	Soil	1.0	16.3	14.5	45	0.1	15.3	5.5	151	2.37	24.7	2.2	5.1	7	<0.1	0.5	0.2	36	0.05	0.034	17
REP 1223353	QC	1.0	17.0	14.8	48	0.1	15.8	5.7	163	2.42	24.9	1.3	4.8	7	<0.1	0.5	0.2	38	0.06	0.034	17
1223379	Soil	0.7	18.9	15.8	42	<0.1	12.0	3.8	144	1.95	12.9	3.2	2.3	8	<0.1	0.5	0.2	25	0.09	0.046	18
REP 1223379	QC	0.7	18.9	15.8	41	<0.1	11.5	3.8	142	1.92	13.0	2.7	2.0	8	<0.1	0.4	0.2	24	0.09	0.045	18
1223386	Soil	0.5	12.7	9.1	36	<0.1	11.3	3.5	94	1.52	8.1	1.6	0.7	7	<0.1	0.4	0.1	25	0.09	0.036	14
REP 1223386	QC	0.6	12.4	9.0	36	<0.1	11.4	3.5	94	1.51	8.1	1.2	0.7	7	<0.1	0.3	0.1	24	0.08	0.036	13
Reference Materials																					
STD DS8	Standard	13.2	112.9	127.4	325	1.9	38.1	7.3	632	2.54	24.6	109.1	6.8	69	2.3	5.7	6.7	42	0.72	0.081	15
STD DS8	Standard	13.2	103.2	111.8	293	1.7	35.8	7.0	578	2.33	24.5	116.4	5.6	60	2.0	4.8	5.4	40	0.67	0.078	14
STD DS8	Standard	14.1	111.8	126.2	315	1.7	39.0	7.7	605	2.50	25.0	111.4	6.4	60	2.6	5.4	6.5	45	0.67	0.084	15
STD DS8	Standard	13.5	112.3	126.8	314	1.8	39.0	7.8	625	2.51	25.6	109.3	6.8	65	2.6	5.9	6.6	45	0.68	0.080	15
STD DS8	Standard	13.5	117.2	125.3	327	1.8	40.3	8.1	663	2.58	27.9	118.9	7.0	68	2.4	5.5	6.2	47	0.72	0.082	16
STD DS8	Standard	13.0	106.2	117.4	290	1.6	35.3	6.8	558	2.23	23.9	115.7	7.0	62	2.2	5.2	6.6	40	0.66	0.079	16
STD DS8	Standard	13.4	104.2	117.9	311	1.7	34.8	7.0	597	2.49	23.6	109.8	5.8	60	2.2	5.1	5.9	41	0.64	0.075	14
STD DS8	Standard	13.4	119.0	132.6	323	1.8	37.6	7.8	643	2.44	26.4	121.7	7.2	63	2.5	6.1	7.5	46	0.71	0.085	17
STD DS8	Standard	12.8	108.1	118.6	298	1.8	36.0	7.1	568	2.27	24.4	108.8	6.7	60	2.2	5.1	6.2	42	0.65	0.074	15
STD DS8	Standard	12.3	118.5	124.1	316	1.9	40.2	7.9	625	2.49	27.3	119.1	6.2	60	2.4	5.7	6.7	44	0.67	0.084	13
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223332	Soil	18	0.26	87	0.026	1	1.05	0.005	0.03	0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
REP 1223332	QC	19	0.27	86	0.022	2	1.08	0.004	0.03	0.2	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1223353	Soil	22	0.28	133	0.016	<1	1.36	0.004	0.04	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
REP 1223353	QC	23	0.29	135	0.014	<1	1.33	0.004	0.04	0.2	0.02	1.7	<0.1	<0.05	4	0.5	<0.2
1223379	Soil	17	0.31	69	0.016	<1	0.91	0.004	0.03	0.2	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
REP 1223379	QC	17	0.31	68	0.015	<1	0.90	0.004	0.03	0.2	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
1223386	Soil	17	0.26	61	0.015	<1	0.91	0.004	0.03	0.1	0.02	0.8	<0.1	<0.05	3	<0.5	<0.2
REP 1223386	QC	16	0.26	61	0.015	<1	0.88	0.005	0.03	0.1	0.04	0.7	<0.1	<0.05	3	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	122	0.62	292	0.119	3	0.96	0.105	0.44	3.3	0.19	3.4	5.6	0.12	5	5.4	4.8
STD DS8	Standard	109	0.60	280	0.104	4	0.90	0.098	0.41	2.7	0.19	2.4	5.2	0.16	5	5.5	4.5
STD DS8	Standard	115	0.62	262	0.110	1	0.91	0.091	0.40	2.7	0.20	2.0	5.4	0.15	5	5.4	4.6
STD DS8	Standard	120	0.61	291	0.116	3	0.94	0.097	0.43	3.0	0.20	2.5	5.5	0.17	5	4.9	5.3
STD DS8	Standard	122	0.64	294	0.119	2	0.95	0.094	0.44	3.1	0.22	2.2	5.7	0.22	5	5.7	5.2
STD DS8	Standard	107	0.56	278	0.110	2	0.83	0.077	0.39	2.8	0.19	2.3	5.2	0.21	4	4.9	4.7
STD DS8	Standard	109	0.61	270	0.098	3	0.90	0.085	0.40	2.8	0.20	2.0	5.3	0.16	5	5.0	5.1
STD DS8	Standard	117	0.63	289	0.121	3	0.95	0.085	0.39	3.1	0.18	2.1	5.4	0.22	5	5.3	4.9
STD DS8	Standard	109	0.58	273	0.106	3	0.83	0.085	0.40	3.0	0.19	2.0	5.4	0.15	4	5.0	5.0
STD DS8	Standard	121	0.64	272	0.105	2	0.92	0.088	0.41	3.5	0.22	2.2	5.7	0.14	5	5.4	5.3
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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56th Floor - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: LUG+TS
Report Date: September 29, 2011

QUALITY CONTROL REPORT WHI11001046.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001	1DX15 La ppm 1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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QUALITY CONTROL REPORT WHI11001046.1

		1DX15 Cr ppm 1	1DX15 Mg % 0.01	1DX15 Ba ppm 1	1DX15 Ti % 0.001	1DX15 B ppm 1	1DX15 Al % 0.01	1DX15 Na % 0.001	1DX15 K % 0.01	1DX15 W ppm 0.1	1DX15 Hg ppm 0.01	1DX15 Sc ppm 0.1	1DX15 Tl ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: August 11, 2011
Report Date: November 16, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS WHI11001047.1

CLIENT JOB INFORMATION

Project: LUG+TS
Shipment ID: LUGTS(43-61)
P.O. Number
Number of Samples: 200

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	200	Dry at 60C			WHI
SS80	200	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	200	Saving all or part of Soil Reject			WHI
1DX2	200	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Goldspike Exploration Inc.
56th Floor - 100 King Street West
Toronto ON M5X 1C9
Canada

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Project: LUG+TS
Report Date: November 16, 2011

CERTIFICATE OF ANALYSIS WHI11001047.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223399	Soil		0.6	13.4	9.8	27	<0.1	8.7	2.7	70	1.21	6.6	2.5	0.2	8	<0.1	0.3	0.2	23	0.06	0.044	9
1223400	Soil		0.6	14.9	11.1	41	<0.1	13.7	4.8	185	1.74	9.2	3.2	0.9	8	0.1	0.5	0.2	32	0.08	0.031	13
1223436	Soil		0.7	35.1	20.8	140	0.2	26.3	12.0	473	2.54	28.4	3.2	9.3	21	0.3	0.5	0.3	34	0.23	0.054	25
1223437	Soil		0.6	29.3	16.1	115	0.2	23.3	8.0	299	2.24	16.7	5.5	5.9	27	0.5	0.6	0.2	36	0.33	0.061	18
1223438	Soil		0.6	21.5	16.6	105	0.4	20.8	7.3	250	2.04	13.2	2.0	3.7	24	0.4	0.5	0.2	33	0.28	0.072	15
1223439	Soil		0.6	21.7	16.4	95	0.4	19.4	6.2	176	1.89	11.0	2.6	2.6	21	0.3	0.5	0.2	30	0.23	0.067	13
1223440	Soil		0.7	22.7	15.9	80	0.2	21.1	6.4	177	2.03	15.0	2.5	4.8	14	0.4	0.6	0.2	30	0.15	0.054	16
1223441	Soil		0.4	17.5	12.6	67	0.2	16.8	6.0	185	1.70	9.3	2.3	2.5	13	0.4	0.5	0.2	26	0.14	0.054	13
1223442	Soil		0.5	15.3	15.9	69	0.2	16.2	5.7	161	1.81	11.4	4.2	2.7	13	0.3	0.5	0.2	29	0.14	0.056	13
1223443	Soil		0.5	15.6	15.4	66	0.2	15.9	5.5	171	1.85	12.5	5.5	2.1	12	0.3	0.4	0.2	29	0.13	0.053	14
1223444	Soil		0.7	13.9	15.9	69	0.2	15.1	6.1	199	1.92	15.2	3.6	2.5	12	0.2	0.4	0.2	29	0.12	0.051	13
1223445	Soil		0.6	16.2	14.7	54	0.2	15.1	5.8	274	1.95	28.0	3.1	1.5	11	0.3	0.3	0.3	30	0.09	0.034	15
1223446	Soil		0.8	10.2	16.5	64	<0.1	14.0	5.8	231	2.10	23.8	1.5	3.2	8	0.3	0.4	0.3	32	0.07	0.027	15
1223447	Soil		0.7	19.1	11.8	58	<0.1	19.9	7.9	226	2.19	19.9	5.7	4.3	9	0.4	0.6	0.2	32	0.06	0.026	15
1223448	Soil		0.7	21.5	13.7	64	<0.1	21.4	9.0	264	2.39	22.0	3.7	5.9	10	0.3	0.6	0.2	36	0.07	0.024	15
1223449	Soil		1.1	24.0	11.2	53	0.2	17.0	7.4	251	3.86	31.8	13.4	4.6	7	0.2	0.7	1.4	51	0.05	0.037	11
1223450	Soil		1.0	14.0	10.4	34	0.2	10.7	5.7	158	2.00	14.6	2.2	3.8	6	0.3	0.5	0.5	40	0.03	0.024	12
1223451	Soil		1.2	13.7	14.6	38	<0.1	11.3	4.0	143	2.62	14.8	1.6	3.2	6	0.2	0.6	0.4	52	0.04	0.029	12
1223452	Soil		1.1	19.9	11.1	49	0.2	19.1	7.2	189	2.80	16.2	2.6	6.0	6	0.1	0.6	0.3	39	0.04	0.022	15
1223453	Soil		1.0	28.6	23.6	66	0.2	28.4	14.6	432	2.93	24.4	4.3	8.2	8	0.1	0.8	0.6	40	0.05	0.026	18
1223454	Soil		0.7	24.4	11.8	61	0.1	23.8	10.1	242	2.45	13.5	136.0	6.5	9	<0.1	0.6	0.5	37	0.07	0.025	15
1223455	Soil		1.0	28.9	24.6	70	<0.1	25.2	13.2	347	2.90	12.7	3.8	7.8	9	0.3	0.5	0.5	38	0.06	0.030	16
1223456	Soil		1.2	29.4	23.9	75	<0.1	26.5	14.4	343	3.21	14.4	8.3	8.3	9	0.3	0.6	0.6	42	0.07	0.032	18
1223457	Soil		1.1	24.4	74.0	108	<0.1	23.7	11.0	309	2.99	16.6	6.3	7.3	9	0.5	0.6	0.6	40	0.06	0.029	19
1223458	Soil		1.0	26.5	94.4	93	<0.1	19.5	9.3	298	2.97	20.0	2.6	6.4	10	0.4	0.6	0.5	43	0.07	0.034	16
1223459	Soil		0.9	24.3	23.9	88	<0.1	20.5	8.9	228	2.60	13.6	3.0	8.0	10	0.3	0.5	0.5	36	0.07	0.021	21
1223460	Soil		1.1	28.7	24.6	78	<0.1	21.7	9.6	264	2.45	14.0	2.4	7.7	14	0.3	0.6	0.6	33	0.13	0.048	21
1223461	Soil		1.1	61.6	55.9	35	0.3	14.7	3.7	73	1.96	11.7	2.8	0.5	14	0.6	0.3	0.6	25	0.06	0.072	14
1223462	Soil		1.0	22.3	20.6	62	0.1	17.7	7.0	162	2.22	13.5	3.7	3.8	11	0.2	0.6	0.4	39	0.10	0.037	15
1223463	Soil		0.9	25.3	13.7	59	0.1	17.4	7.7	166	2.14	17.9	7.5	6.8	11	0.1	0.5	0.5	32	0.10	0.033	19

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Project: LUG+TS
Report Date: November 16, 2011

CERTIFICATE OF ANALYSIS WHI11001047.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223399	Soil	14	0.18	86	0.007	<1	0.80	0.005	0.03	<0.1	0.05	0.3	<0.1	<0.05	3	<0.5	<0.2
1223400	Soil	18	0.28	77	0.019	<1	0.95	0.004	0.03	0.2	0.04	1.0	<0.1	<0.05	4	0.7	<0.2
1223436	Soil	26	0.51	194	0.029	<1	1.56	0.009	0.08	0.2	0.02	2.7	0.2	<0.05	5	0.7	<0.2
1223437	Soil	25	0.48	278	0.037	<1	1.32	0.013	0.06	0.2	0.04	2.8	0.1	<0.05	4	0.7	<0.2
1223438	Soil	24	0.44	247	0.026	<1	1.33	0.008	0.06	0.1	0.03	2.3	0.1	<0.05	4	0.6	<0.2
1223439	Soil	22	0.39	200	0.018	<1	1.36	0.006	0.05	0.2	0.05	1.9	0.2	<0.05	4	<0.5	<0.2
1223440	Soil	23	0.38	173	0.025	<1	1.41	0.005	0.06	0.2	0.05	2.0	0.2	<0.05	4	<0.5	<0.2
1223441	Soil	20	0.35	149	0.017	<1	1.11	0.006	0.05	0.2	0.05	1.5	0.1	<0.05	4	0.6	<0.2
1223442	Soil	19	0.35	157	0.020	<1	1.22	0.005	0.05	0.2	0.05	1.7	0.1	<0.05	4	0.7	<0.2
1223443	Soil	20	0.33	137	0.018	<1	1.24	0.004	0.05	0.2	0.03	1.4	0.1	<0.05	4	<0.5	<0.2
1223444	Soil	22	0.36	142	0.021	<1	1.33	0.005	0.05	0.2	0.04	1.5	0.1	<0.05	4	<0.5	<0.2
1223445	Soil	20	0.31	142	0.015	<1	1.18	0.004	0.07	0.2	0.03	1.2	0.2	<0.05	4	0.5	<0.2
1223446	Soil	20	0.29	90	0.014	<1	1.07	0.004	0.05	0.2	0.03	1.2	0.1	<0.05	4	0.5	<0.2
1223447	Soil	21	0.34	115	0.020	<1	1.22	0.005	0.05	0.2	0.03	1.6	0.1	<0.05	4	<0.5	<0.2
1223448	Soil	23	0.38	125	0.024	<1	1.33	0.004	0.06	0.2	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
1223449	Soil	22	0.28	77	0.019	<1	1.62	0.008	0.05	1.1	0.04	1.8	0.1	<0.05	5	0.7	<0.2
1223450	Soil	17	0.19	67	0.016	2	0.98	0.003	0.04	0.3	0.03	1.2	<0.1	0.05	5	<0.5	<0.2
1223451	Soil	19	0.20	58	0.026	2	1.01	0.003	0.03	0.3	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
1223452	Soil	21	0.31	56	0.022	1	1.14	0.004	0.05	0.2	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1223453	Soil	26	0.38	113	0.016	1	1.57	0.004	0.05	0.2	0.03	2.1	0.1	<0.05	4	<0.5	<0.2
1223454	Soil	25	0.39	100	0.022	2	1.33	0.006	0.06	0.2	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1223455	Soil	26	0.37	101	0.021	2	1.59	0.006	0.06	0.3	0.03	2.1	0.2	<0.05	4	0.7	<0.2
1223456	Soil	26	0.39	127	0.020	<1	1.67	0.005	0.06	0.3	0.02	2.2	0.2	<0.05	5	<0.5	<0.2
1223457	Soil	24	0.35	109	0.014	<1	1.49	0.004	0.05	0.2	0.02	1.8	0.2	<0.05	5	<0.5	<0.2
1223458	Soil	27	0.40	93	0.017	1	1.52	0.008	0.05	0.2	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
1223459	Soil	25	0.42	91	0.028	<1	1.32	0.005	0.05	0.2	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
1223460	Soil	23	0.40	123	0.036	<1	1.14	0.008	0.06	0.2	0.02	1.8	0.1	<0.05	3	<0.5	<0.2
1223461	Soil	21	0.14	212	0.016	1	1.19	0.010	0.04	0.2	0.07	1.3	0.1	<0.05	3	0.6	<0.2
1223462	Soil	23	0.38	161	0.029	1	1.34	0.005	0.04	0.2	0.03	2.2	0.1	<0.05	4	<0.5	<0.2
1223463	Soil	21	0.36	141	0.032	<1	1.16	0.005	0.05	0.2	0.02	1.8	0.1	<0.05	3	0.5	<0.2

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223464	Soil	1.0	22.2	13.9	56	<0.1	17.3	7.8	177	2.15	14.3	3.7	2.5	11	0.1	0.5	0.5	33	0.10	0.039	16
1223465	Soil	1.2	29.6	18.9	61	0.2	19.2	8.3	221	2.59	15.4	7.3	5.0	12	0.2	0.5	0.8	44	0.09	0.050	18
1223466	Soil	1.0	16.7	14.5	50	0.1	13.6	7.4	237	2.62	13.5	3.0	4.1	7	0.2	0.6	0.5	51	0.05	0.028	13
1223467	Soil	1.0	66.8	37.5	109	0.8	66.8	32.8	724	4.18	52.1	2.3	20.2	17	<0.1	0.4	0.7	17	0.06	0.026	40
1223468	Soil	1.4	84.6	90.4	162	2.5	46.6	16.6	409	4.12	64.5	12.8	9.4	25	0.6	0.5	1.7	21	0.13	0.047	19
1223469	Soil	0.8	20.6	17.0	54	<0.1	18.0	7.5	248	1.95	13.8	3.5	2.4	11	0.2	0.5	0.2	36	0.11	0.047	17
1223470	Soil	0.7	14.9	12.7	40	<0.1	14.2	5.1	156	2.04	10.0	3.2	1.8	8	<0.1	0.4	0.2	33	0.06	0.029	17
1223471	Soil	0.9	23.0	15.0	48	<0.1	17.6	8.7	261	2.21	49.9	6.2	1.5	10	0.1	0.5	0.3	38	0.08	0.035	20
1223472	Soil	1.1	14.4	15.1	45	<0.1	15.0	7.5	230	2.30	31.6	2.9	3.5	8	0.1	0.6	0.3	48	0.06	0.029	15
1223473	Soil	0.8	26.9	11.6	56	<0.1	20.3	9.5	313	2.13	23.2	4.8	3.8	14	<0.1	0.6	0.2	40	0.13	0.045	18
1223474	Soil	0.9	23.2	10.6	53	0.1	18.1	7.7	222	2.18	14.5	5.3	2.3	15	0.1	0.7	0.2	38	0.16	0.056	15
1223475	Soil	0.7	17.4	11.1	37	<0.1	11.5	4.3	128	1.72	11.5	3.8	0.7	10	<0.1	0.4	0.2	34	0.08	0.050	15
1223476	Soil	0.8	15.8	11.7	44	<0.1	14.9	5.8	171	1.87	13.3	2.0	2.3	10	0.1	0.4	0.2	36	0.10	0.034	15
1223477	Soil	0.7	22.8	12.6	55	<0.1	18.9	7.7	243	2.10	19.4	6.5	6.3	9	<0.1	0.5	0.4	34	0.09	0.033	20
1223478	Soil	0.9	19.0	11.1	50	<0.1	16.5	7.0	210	2.14	15.6	3.0	3.5	11	<0.1	0.6	0.2	38	0.11	0.050	16
1223479	Soil	1.0	23.9	13.8	49	<0.1	17.1	7.8	308	2.17	16.0	9.3	2.3	13	<0.1	0.7	0.3	38	0.10	0.042	17
1223480	Soil	0.9	18.7	17.6	28	<0.1	11.3	4.3	126	1.61	11.2	3.3	0.5	10	<0.1	0.3	0.5	31	0.06	0.078	15
1223481	Soil	1.0	20.9	15.4	48	<0.1	18.9	8.4	226	2.26	19.1	5.8	7.1	8	<0.1	0.5	0.5	40	0.06	0.022	17
1223482	Soil	1.2	20.6	14.6	49	<0.1	18.7	8.2	272	2.19	16.7	5.7	6.5	9	0.1	0.6	0.5	40	0.06	0.032	17
1223483	Soil	1.1	22.9	13.0	52	<0.1	18.6	8.1	249	2.26	14.5	4.6	7.2	11	<0.1	0.6	0.6	41	0.08	0.032	18
1223484	Soil	1.3	30.0	16.6	68	<0.1	26.2	10.7	413	2.58	17.6	6.0	10.9	7	<0.1	0.4	1.1	39	0.06	0.025	20
1223485	Soil	1.0	26.0	19.0	63	<0.1	22.7	10.3	395	2.37	22.2	8.2	9.4	9	0.1	0.6	0.7	36	0.07	0.028	21
1223486	Soil	0.9	18.0	11.8	51	<0.1	17.1	6.9	203	2.05	13.0	6.8	4.8	8	<0.1	0.4	0.5	33	0.09	0.036	16
1223487	Soil	0.8	17.1	12.8	48	0.1	18.2	6.8	181	1.83	10.5	3.7	5.9	6	<0.1	0.3	0.3	25	0.07	0.027	23
1223488	Soil	1.1	19.8	11.5	55	0.1	18.2	7.3	180	2.14	11.9	4.5	5.2	9	<0.1	0.5	0.5	36	0.11	0.034	17
1223489	Soil	1.0	21.5	10.6	52	<0.1	17.0	6.4	166	2.04	9.0	3.9	2.8	16	<0.1	0.4	0.3	39	0.20	0.046	14
1223490	Soil	0.9	21.6	9.1	52	<0.1	18.4	6.8	202	1.92	9.7	3.2	4.4	18	0.1	0.5	0.2	35	0.23	0.050	15
1223491	Soil	0.8	18.3	9.4	50	0.1	16.6	6.5	158	1.95	9.5	4.8	2.7	15	0.1	0.5	0.2	36	0.20	0.046	14
1223492	Soil	0.6	14.7	7.5	43	0.1	13.7	5.2	102	1.68	7.9	4.0	0.9	12	<0.1	0.4	0.2	31	0.16	0.053	11
1223493	Soil	0.6	12.0	8.2	40	<0.1	13.5	5.3	124	1.45	9.2	3.0	2.0	12	<0.1	0.4	0.2	32	0.15	0.045	11

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223464	Soil	21	0.35	126	0.024	1	1.18	0.005	0.04	0.2	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1223465	Soil	27	0.38	184	0.024	1	1.70	0.005	0.05	0.2	0.04	2.4	0.2	<0.05	5	<0.5	<0.2
1223466	Soil	22	0.25	86	0.023	<1	1.34	0.004	0.03	0.2	0.02	1.6	0.1	<0.05	5	<0.5	<0.2
1223467	Soil	25	0.54	137	0.003	1	1.40	0.004	0.10	0.1	<0.01	1.7	0.2	<0.05	4	<0.5	<0.2
1223468	Soil	23	0.38	195	0.002	<1	1.50	0.005	0.11	0.2	0.05	2.3	0.3	<0.05	4	0.5	<0.2
1223469	Soil	22	0.34	89	0.028	<1	0.99	0.005	0.03	0.3	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1223470	Soil	22	0.31	80	0.022	<1	1.24	0.004	0.04	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1223471	Soil	23	0.35	109	0.024	1	1.32	0.005	0.03	0.3	0.04	1.5	<0.1	<0.05	4	<0.5	<0.2
1223472	Soil	25	0.36	95	0.039	2	1.44	0.005	0.03	0.4	0.02	1.9	0.1	<0.05	5	<0.5	<0.2
1223473	Soil	24	0.40	183	0.039	1	1.16	0.007	0.04	0.6	0.02	3.1	<0.1	<0.05	3	<0.5	<0.2
1223474	Soil	22	0.36	139	0.033	2	1.05	0.005	0.04	0.8	0.03	1.9	<0.1	<0.05	3	<0.5	<0.2
1223475	Soil	20	0.29	112	0.023	<1	1.09	0.005	0.03	0.4	0.04	1.1	<0.1	<0.05	4	<0.5	<0.2
1223476	Soil	22	0.34	114	0.032	1	1.15	0.006	0.05	1.5	0.02	1.7	0.1	<0.05	4	0.6	<0.2
1223477	Soil	25	0.43	117	0.060	<1	1.28	0.006	0.13	4.1	0.01	2.1	0.2	<0.05	4	<0.5	<0.2
1223478	Soil	23	0.36	123	0.035	1	1.23	0.005	0.04	0.8	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1223479	Soil	24	0.37	177	0.034	1	1.31	0.006	0.07	1.9	0.04	2.4	0.1	<0.05	4	<0.5	<0.2
1223480	Soil	22	0.21	125	0.022	1	1.19	0.004	0.06	2.0	0.04	0.9	0.1	<0.05	5	<0.5	<0.2
1223481	Soil	26	0.36	151	0.056	1	1.50	0.004	0.09	7.2	0.03	2.7	0.2	<0.05	4	<0.5	<0.2
1223482	Soil	26	0.36	152	0.051	<1	1.38	0.005	0.08	6.2	0.04	3.1	0.2	<0.05	4	<0.5	<0.2
1223483	Soil	27	0.41	132	0.068	<1	1.47	0.007	0.12	7.6	0.02	2.8	0.3	<0.05	4	<0.5	<0.2
1223484	Soil	35	0.58	176	0.124	<1	1.91	0.005	0.38	19.6	<0.01	2.8	0.7	<0.05	6	<0.5	<0.2
1223485	Soil	28	0.48	142	0.074	1	1.44	0.005	0.16	9.1	<0.01	2.3	0.3	<0.05	4	<0.5	<0.2
1223486	Soil	24	0.38	118	0.055	1	1.46	0.004	0.12	6.7	0.03	2.0	0.3	<0.05	4	<0.5	<0.2
1223487	Soil	19	0.31	101	0.031	<1	1.10	0.003	0.06	3.3	0.03	1.4	0.1	<0.05	3	<0.5	<0.2
1223488	Soil	26	0.40	161	0.059	<1	1.48	0.006	0.11	5.7	0.03	2.2	0.2	<0.05	4	<0.5	<0.2
1223489	Soil	25	0.40	214	0.048	<1	1.42	0.007	0.05	1.8	0.04	2.6	0.1	<0.05	4	<0.5	<0.2
1223490	Soil	21	0.37	280	0.040	<1	1.09	0.007	0.04	1.6	0.04	2.7	<0.1	<0.05	3	<0.5	<0.2
1223491	Soil	21	0.34	206	0.034	<1	1.20	0.005	0.04	1.5	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1223492	Soil	17	0.28	155	0.019	<1	0.93	0.005	0.03	0.8	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1223493	Soil	17	0.26	130	0.026	<1	0.93	0.004	0.03	0.9	0.04	1.7	<0.1	<0.05	3	<0.5	<0.2

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Report Date: November 16, 2011

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223494	Soil	0.7	19.8	8.3	50	0.1	16.3	6.7	143	1.83	8.9	13.1	3.5	13	0.1	0.4	0.2	31	0.18	0.057	15
1223495	Soil	0.8	16.0	8.5	45	0.2	13.8	6.0	154	1.74	9.9	3.5	2.0	16	<0.1	0.4	0.2	30	0.21	0.054	14
1223496	Soil	1.2	15.8	12.4	48	0.1	18.3	7.3	201	2.10	17.1	2.6	5.2	11	<0.1	0.3	0.5	35	0.13	0.027	15
1223497	Soil	1.9	12.8	10.2	53	0.5	16.9	6.5	146	1.77	17.8	11.1	2.3	25	<0.1	0.3	0.7	29	0.36	0.055	16
1223498	Soil	2.3	10.8	12.4	51	0.4	15.7	5.7	142	1.84	25.0	6.1	2.8	33	0.2	0.2	0.8	32	0.49	0.045	14
1223651	Soil	0.8	19.4	13.0	47	<0.1	16.6	6.4	193	1.90	26.9	5.5	1.8	6	<0.1	0.4	0.2	25	0.07	0.031	19
1223652	Soil	0.9	11.9	12.6	40	<0.1	12.8	5.1	159	1.77	12.6	2.4	0.6	7	<0.1	0.4	0.1	29	0.07	0.035	14
1223653	Soil	0.8	11.9	10.0	39	<0.1	13.1	5.2	128	1.90	10.6	2.2	1.7	7	<0.1	0.4	0.2	32	0.07	0.033	12
1223654	Soil	0.7	13.2	18.1	40	<0.1	12.5	4.9	123	1.93	10.6	2.8	1.6	8	<0.1	0.4	0.2	37	0.09	0.038	13
1223655	Soil	0.7	11.9	11.3	32	<0.1	10.6	4.1	112	1.93	8.8	7.4	1.9	7	<0.1	0.3	0.2	36	0.07	0.040	12
1223656	Soil	0.8	14.9	10.2	39	<0.1	12.6	4.4	123	1.93	9.2	1.9	0.9	8	<0.1	0.4	0.2	32	0.10	0.039	12
1223657	Soil	0.6	14.7	10.3	37	<0.1	13.2	4.4	128	1.91	10.9	2.3	0.3	8	<0.1	0.3	0.1	34	0.07	0.036	11
1223658	Soil	0.7	12.0	10.0	32	<0.1	9.5	3.2	88	1.44	10.1	0.9	0.8	7	<0.1	0.3	0.2	32	0.06	0.041	12
1223659	Soil	0.8	27.4	163.3	77	0.9	24.6	10.4	417	2.46	17.9	4.9	5.1	14	0.3	0.5	0.2	39	0.15	0.038	20
1223660	Soil	0.7	12.2	15.3	46	0.1	12.1	4.0	154	1.66	10.9	6.7	0.9	9	0.8	0.4	0.1	35	0.10	0.043	13
1223661	Soil	0.6	12.7	11.3	57	0.3	9.0	3.0	159	1.14	9.0	0.6	0.7	10	1.0	0.3	0.2	28	0.08	0.053	10
1223662	Soil	0.7	6.6	11.0	16	0.1	6.6	2.0	58	0.66	56.6	4.9	0.8	6	<0.1	0.2	0.1	18	0.04	0.013	12
1223663	Soil	1.1	20.1	47.9	72	0.2	19.9	8.2	199	2.46	14.7	3.3	4.6	9	0.5	0.4	0.3	38	0.10	0.043	14
1223664	Soil	1.0	19.1	11.1	37	0.2	10.6	4.6	165	2.47	25.3	17.2	1.7	6	<0.1	0.8	1.7	27	0.06	0.041	15
1223665	Soil	0.8	22.6	14.4	53	0.2	21.8	10.9	244	2.37	19.4	12.6	2.5	8	0.2	0.8	0.5	32	0.07	0.028	12
1223666	Soil	0.6	20.2	100.0	63	0.3	16.6	5.6	169	1.82	16.6	9.1	3.7	13	0.4	0.8	0.3	29	0.16	0.066	13
1223667	Soil	0.6	27.9	146.3	75	0.7	19.6	8.9	194	2.28	25.2	42.1	5.4	10	0.5	1.0	0.9	26	0.11	0.046	16
1223668	Soil	0.6	18.2	31.2	61	0.1	20.2	5.9	177	2.13	19.6	8.9	2.7	9	0.3	0.9	0.4	28	0.08	0.033	14
1223669	Soil	0.9	20.5	17.5	52	0.2	19.9	7.7	259	2.11	14.1	7.9	2.2	8	0.2	0.7	0.3	32	0.06	0.025	14
1223670	Soil	1.0	23.2	34.9	56	0.2	17.4	6.3	269	2.37	15.7	8.6	1.6	8	0.2	0.7	0.3	32	0.06	0.038	12
1223671	Soil	1.0	17.4	8.8	34	0.1	11.1	3.7	217	2.07	10.2	7.3	1.0	5	<0.1	0.6	0.3	35	0.04	0.030	10
1223672	Soil	1.0	19.1	11.9	42	0.2	14.3	5.7	218	2.63	17.3	3.4	0.9	7	<0.1	0.6	0.2	40	0.06	0.029	10
1223673	Soil	0.8	20.8	11.0	50	0.2	23.4	8.9	293	2.28	15.4	5.5	2.4	9	0.2	0.6	0.2	37	0.07	0.027	11
1223674	Soil	1.0	19.0	11.7	48	0.2	16.1	6.1	250	2.40	14.3	4.2	1.4	8	0.1	0.7	0.2	39	0.05	0.026	11
1223675	Soil	0.9	20.9	12.3	48	0.2	17.6	7.1	308	2.37	13.7	3.0	1.1	9	0.2	0.6	0.2	37	0.07	0.038	11

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223494	Soil	18	0.32	195	0.030	<1	1.05	0.004	0.04	1.1	0.04	2.2	0.1	<0.05	3	<0.5	<0.2
1223495	Soil	18	0.29	174	0.027	<1	1.00	0.005	0.04	1.6	0.04	1.8	<0.1	<0.05	3	1.1	<0.2
1223496	Soil	22	0.35	139	0.031	<1	1.46	0.004	0.06	3.0	0.01	2.2	0.1	<0.05	4	<0.5	<0.2
1223497	Soil	20	0.35	169	0.031	<1	1.19	0.005	0.06	11.2	0.03	1.5	0.2	<0.05	4	<0.5	<0.2
1223498	Soil	20	0.34	125	0.037	<1	1.13	0.005	0.05	12.1	0.03	1.7	0.2	<0.05	4	<0.5	<0.2
1223651	Soil	19	0.31	85	0.017	<1	1.08	0.003	0.04	<0.1	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1223652	Soil	17	0.24	68	0.015	<1	0.87	0.003	0.03	0.1	0.03	0.8	<0.1	<0.05	3	<0.5	<0.2
1223653	Soil	18	0.24	82	0.020	<1	1.11	0.003	0.02	0.2	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1223654	Soil	21	0.27	98	0.022	<1	1.23	0.003	0.03	0.1	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
1223655	Soil	19	0.23	105	0.022	<1	1.14	0.004	0.03	0.1	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
1223656	Soil	19	0.26	89	0.017	<1	1.11	0.004	0.03	0.2	0.05	1.4	<0.1	<0.05	4	<0.5	<0.2
1223657	Soil	17	0.24	94	0.013	<1	1.03	0.004	0.02	0.1	0.03	1.0	<0.1	<0.05	3	<0.5	<0.2
1223658	Soil	17	0.22	84	0.015	<1	1.02	0.004	0.03	0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1223659	Soil	24	0.30	133	0.021	<1	1.44	0.005	0.05	0.2	0.06	2.7	<0.1	<0.05	4	<0.5	<0.2
1223660	Soil	15	0.18	89	0.019	<1	0.74	0.004	0.03	0.3	<0.01	1.0	<0.1	<0.05	3	<0.5	<0.2
1223661	Soil	12	0.13	133	0.017	<1	0.55	0.004	0.04	0.1	0.04	0.9	<0.1	<0.05	3	<0.5	<0.2
1223662	Soil	10	0.07	46	0.013	<1	0.43	0.003	0.02	0.1	0.02	0.7	<0.1	<0.05	3	<0.5	<0.2
1223663	Soil	22	0.30	115	0.025	1	1.26	0.005	0.05	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1223664	Soil	17	0.21	55	0.014	<1	0.97	0.003	0.04	0.2	0.04	1.0	<0.1	<0.05	4	0.8	<0.2
1223665	Soil	19	0.31	71	0.021	<1	1.29	0.004	0.04	0.2	0.05	1.9	<0.1	<0.05	3	0.7	<0.2
1223666	Soil	19	0.31	73	0.032	2	0.95	0.006	0.04	0.4	0.04	1.6	<0.1	<0.05	3	0.5	<0.2
1223667	Soil	21	0.31	65	0.026	1	1.42	0.005	0.04	0.5	0.06	1.8	<0.1	<0.05	3	<0.5	<0.2
1223668	Soil	26	0.33	57	0.033	1	1.09	0.007	0.05	0.3	0.05	1.5	<0.1	<0.05	3	<0.5	<0.2
1223669	Soil	18	0.26	86	0.023	2	1.07	0.005	0.04	0.2	0.05	1.3	<0.1	<0.05	3	0.6	<0.2
1223670	Soil	20	0.28	67	0.024	2	1.12	0.005	0.05	0.3	0.08	1.3	<0.1	0.09	4	<0.5	<0.2
1223671	Soil	15	0.16	48	0.022	1	0.82	0.004	0.04	0.5	0.06	0.9	<0.1	<0.05	4	<0.5	<0.2
1223672	Soil	20	0.25	59	0.029	1	1.22	0.004	0.04	0.2	0.06	1.3	<0.1	0.06	4	0.7	<0.2
1223673	Soil	31	0.36	86	0.035	2	1.29	0.005	0.04	1.9	0.05	1.8	<0.1	<0.05	4	<0.5	<0.2
1223674	Soil	21	0.25	82	0.025	1	1.19	0.004	0.04	0.4	0.04	1.3	<0.1	<0.05	4	0.5	<0.2
1223675	Soil	21	0.29	107	0.025	2	1.21	0.005	0.04	0.4	0.06	1.3	<0.1	0.07	4	<0.5	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223676	Soil		0.7	23.6	12.7	52	0.2	22.6	13.8	361	2.13	31.4	23.1	3.7	11	0.2	0.8	0.2	27	0.10	0.052	14
1223677	Soil		0.8	35.7	38.2	78	4.1	22.2	3.1	124	1.65	61.1	14.5	0.3	21	3.0	0.9	0.2	20	0.11	0.119	9
1223678	Soil		0.8	20.4	40.2	84	0.4	20.8	8.9	321	2.04	66.9	9.7	3.0	12	0.7	0.8	0.2	34	0.13	0.049	15
1223679	Soil		0.7	20.5	34.5	83	0.5	19.6	6.9	370	2.09	31.9	10.8	1.8	15	0.7	0.6	0.2	34	0.14	0.047	15
1223680	Soil		0.7	15.1	22.9	59	0.2	13.5	4.0	173	1.78	55.2	8.9	0.3	8	0.5	0.6	0.2	35	0.06	0.033	12
1223681	Soil		0.7	21.4	39.3	72	0.2	18.4	6.9	253	2.16	43.7	12.8	1.6	9	0.4	0.7	0.2	33	0.07	0.039	13
1223682	Soil		0.7	19.2	23.8	59	0.2	18.0	7.5	282	2.03	29.6	8.5	1.9	11	0.3	0.6	0.2	32	0.12	0.040	13
1223683	Soil		0.8	14.8	14.2	48	<0.1	14.9	4.9	174	1.80	18.7	8.3	1.1	10	0.2	0.4	0.2	30	0.09	0.038	13
1223684	Soil		0.7	16.0	16.0	46	0.1	13.7	5.5	207	1.82	17.3	5.3	0.8	10	0.2	0.4	0.2	32	0.11	0.047	13
1223685	Soil		0.8	17.3	11.3	56	<0.1	16.8	5.8	207	1.87	14.0	10.9	2.0	11	0.2	0.5	0.1	32	0.11	0.045	14
1223686	Soil		0.6	17.6	21.8	66	0.2	18.8	7.5	332	1.88	16.4	6.8	3.5	10	0.4	0.5	0.2	26	0.10	0.037	12
1223687	Soil		0.7	20.9	52.9	77	0.3	17.4	7.7	355	2.02	20.4	10.3	1.6	10	0.5	0.4	0.2	31	0.08	0.037	15
1223688	Soil		0.9	15.4	56.5	59	0.5	12.8	4.1	160	1.61	19.3	4.1	0.3	10	0.3	0.4	0.3	32	0.08	0.034	11
1223689	Soil		0.7	18.7	57.7	83	0.3	17.8	6.8	309	2.03	27.6	9.1	1.2	11	0.3	0.5	0.2	34	0.10	0.042	13
1223690	Soil		0.7	18.0	19.3	68	0.1	19.0	8.8	407	2.18	24.6	4.8	3.9	10	0.3	0.4	0.2	30	0.09	0.032	14
1223691	Soil		0.7	15.7	29.2	69	0.2	16.0	6.1	229	2.13	29.8	4.3	2.2	9	0.3	0.5	0.3	34	0.08	0.034	15
1223692	Soil		0.7	13.2	32.0	57	0.2	14.4	4.6	153	1.86	37.2	6.1	1.6	9	0.3	0.4	0.2	32	0.06	0.028	12
1223693	Soil		0.9	16.8	61.4	70	0.4	16.3	6.7	276	2.09	67.6	4.9	1.5	10	0.6	0.4	0.2	36	0.07	0.040	13
1223694	Soil		0.8	12.5	21.5	53	<0.1	13.4	4.9	159	1.85	36.5	2.6	2.2	8	0.3	0.5	0.2	34	0.06	0.026	12
1223695	Soil		0.7	17.2	20.6	53	0.1	15.5	5.0	155	1.88	24.8	5.1	0.9	9	0.4	0.3	0.3	30	0.06	0.037	13
1223696	Soil		0.6	21.6	28.2	67	0.2	19.4	9.3	358	2.30	35.5	4.1	5.1	11	0.3	0.5	0.2	29	0.08	0.033	16
1223697	Soil		0.8	23.5	42.8	69	0.2	19.5	7.4	271	2.34	57.9	5.4	1.3	12	0.3	0.5	0.3	36	0.08	0.034	16
1223698	Soil		0.9	32.0	48.8	121	0.5	25.9	9.1	345	2.59	64.7	4.7	4.2	14	1.1	0.6	0.3	34	0.10	0.039	19
1223699	Soil		0.5	15.0	28.8	77	0.3	13.4	4.7	191	1.68	22.3	2.4	2.0	9	0.5	0.5	0.2	26	0.08	0.029	11
1223700	Soil		0.6	16.1	31.4	85	0.3	14.6	5.8	263	1.90	23.1	3.6	2.9	10	0.5	0.5	0.2	32	0.09	0.034	13
1223701	Soil		0.5	21.2	169.1	113	0.8	18.6	7.0	285	2.08	69.2	7.4	5.2	12	0.7	0.9	0.3	27	0.10	0.029	17
1223702	Soil		0.7	20.1	39.3	72	0.2	18.6	7.0	235	2.31	56.6	5.9	3.6	9	0.5	0.6	0.3	35	0.05	0.025	15
1223703	Soil		0.8	20.3	54.5	63	0.6	17.7	6.9	181	2.02	35.7	2.4	0.7	12	0.6	0.6	0.2	29	0.07	0.074	13
1223704	Soil		0.7	22.2	68.5	88	0.2	22.2	9.4	331	2.57	47.8	8.5	8.1	8	0.4	0.5	0.3	26	0.06	0.027	18
1223705	Soil		0.6	22.0	60.2	90	0.3	22.1	8.3	305	2.36	52.1	5.1	6.8	8	0.5	0.5	0.2	27	0.06	0.028	17

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223676	Soil	18	0.26	55	0.026	<1	0.89	0.004	0.04	1.5	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1223677	Soil	31	0.16	155	0.007	1	1.11	0.007	0.05	1.4	0.12	0.7	<0.1	0.12	3	0.8	<0.2
1223678	Soil	26	0.36	126	0.031	1	1.15	0.006	0.05	0.7	0.03	1.9	0.1	<0.05	3	<0.5	<0.2
1223679	Soil	21	0.35	189	0.030	2	1.07	0.007	0.06	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1223680	Soil	20	0.25	90	0.015	1	1.04	0.005	0.04	0.2	0.03	0.8	<0.1	<0.05	4	<0.5	<0.2
1223681	Soil	22	0.35	151	0.021	1	1.21	0.005	0.05	0.2	0.04	1.9	<0.1	<0.05	4	<0.5	<0.2
1223682	Soil	21	0.32	179	0.024	1	1.07	0.005	0.04	0.2	0.03	1.8	<0.1	<0.05	4	<0.5	<0.2
1223683	Soil	19	0.30	115	0.024	2	1.01	0.006	0.04	0.1	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
1223684	Soil	21	0.29	126	0.020	1	1.07	0.005	0.04	0.1	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2
1223685	Soil	20	0.32	173	0.026	<1	1.10	0.005	0.04	0.2	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1223686	Soil	17	0.32	127	0.028	<1	0.89	0.006	0.03	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1223687	Soil	22	0.30	190	0.023	1	1.10	0.004	0.05	0.2	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2
1223688	Soil	20	0.26	139	0.015	1	1.02	0.005	0.04	0.1	0.05	0.8	<0.1	<0.05	4	<0.5	<0.2
1223689	Soil	21	0.34	184	0.018	<1	1.21	0.005	0.04	0.2	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
1223690	Soil	20	0.38	140	0.028	1	1.09	0.005	0.04	0.2	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1223691	Soil	22	0.36	155	0.026	1	1.24	0.004	0.05	0.2	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
1223692	Soil	20	0.29	102	0.027	<1	1.02	0.004	0.05	0.3	0.03	1.4	<0.1	<0.05	4	0.5	<0.2
1223693	Soil	22	0.30	139	0.021	<1	1.18	0.004	0.05	1.5	0.03	1.6	<0.1	<0.05	4	<0.5	<0.2
1223694	Soil	19	0.29	89	0.033	1	1.03	0.004	0.04	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1223695	Soil	19	0.33	128	0.017	<1	1.13	0.004	0.05	0.2	0.03	1.3	<0.1	<0.05	4	<0.5	<0.2
1223696	Soil	23	0.46	154	0.028	1	1.18	0.005	0.04	0.3	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1223697	Soil	28	0.47	166	0.021	2	1.48	0.005	0.05	0.1	0.02	1.6	0.1	<0.05	5	<0.5	<0.2
1223698	Soil	25	0.43	267	0.035	<1	1.58	0.006	0.08	0.2	0.04	2.3	<0.1	<0.05	5	<0.5	<0.2
1223699	Soil	18	0.30	103	0.027	<1	0.93	0.004	0.04	0.1	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1223700	Soil	22	0.35	114	0.031	<1	1.01	0.005	0.06	0.1	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1223701	Soil	24	0.39	154	0.034	1	1.06	0.005	0.07	0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1223702	Soil	24	0.40	153	0.025	2	1.38	0.005	0.05	0.2	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
1223703	Soil	21	0.30	175	0.016	2	1.26	0.006	0.08	0.2	0.11	1.3	<0.1	<0.05	3	<0.5	<0.2
1223704	Soil	26	0.53	106	0.031	<1	1.45	0.004	0.12	0.1	0.03	1.7	0.2	<0.05	4	0.6	<0.2
1223705	Soil	25	0.47	102	0.029	1	1.38	0.004	0.09	<0.1	0.01	1.7	0.2	<0.05	4	<0.5	<0.2

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223706	Soil	0.6	31.4	82.4	132	0.3	26.2	9.4	338	2.47	32.0	3.7	7.7	15	0.9	0.6	0.2	29	0.15	0.035	21
1223707	Soil	1.0	30.9	357.8	146	1.4	22.1	9.1	257	2.27	49.7	9.5	5.4	14	1.2	0.9	0.2	29	0.15	0.044	19
1223708	Soil	0.8	33.4	33.2	82	0.4	23.0	9.8	262	2.34	37.6	6.8	2.1	15	0.7	0.5	0.2	31	0.14	0.045	16
1223709	Soil	0.7	25.2	15.0	70	0.3	21.8	9.2	245	2.20	28.4	5.4	3.2	15	0.4	0.4	0.2	29	0.16	0.046	17
1223710	Soil	0.6	35.9	25.0	26	0.6	13.8	4.0	64	1.05	10.7	2.3	0.4	20	0.8	0.2	0.1	11	0.16	0.093	12
1223711	Soil	0.8	23.3	11.6	57	0.1	21.8	7.8	218	1.97	11.9	5.3	2.3	15	0.2	0.4	0.2	30	0.17	0.042	17
1223712	Soil	0.8	20.7	9.1	58	<0.1	19.3	8.6	256	1.92	13.8	1.1	5.2	17	0.2	0.5	0.1	30	0.20	0.042	17
1223713	Soil	0.7	14.7	10.0	50	0.1	16.0	5.5	143	1.78	12.2	0.9	0.8	12	0.3	0.3	0.2	29	0.12	0.042	14
1223714	Soil	0.5	15.8	10.4	50	0.1	15.7	5.5	145	1.76	12.6	2.4	2.1	11	0.3	0.4	0.2	28	0.13	0.041	14
1223715	Soil	0.6	14.7	10.5	45	0.1	13.5	4.8	107	1.82	14.0	1.3	0.7	11	0.1	0.4	0.2	29	0.12	0.042	13
1223716	Soil	0.4	18.9	9.7	52	0.1	16.4	6.3	165	1.75	11.2	1.9	4.4	14	<0.1	0.5	0.1	29	0.17	0.039	16
1223717	Soil	0.6	15.1	10.8	41	0.1	14.2	4.2	107	1.77	14.0	0.9	0.6	14	0.2	0.3	0.2	30	0.15	0.050	13
1223718	Soil	0.6	17.3	11.0	51	<0.1	15.6	5.4	147	1.87	14.4	1.7	2.3	15	0.2	0.5	0.2	31	0.18	0.048	14
1223719	Soil	0.6	18.1	12.9	53	0.1	15.8	5.8	144	1.79	14.2	3.5	2.9	18	<0.1	0.5	0.2	32	0.21	0.041	15
1223720	Soil	0.8	19.2	61.5	105	0.3	17.6	5.9	212	2.25	34.9	2.2	1.6	10	0.9	0.6	0.2	37	0.08	0.034	14
1223901	Soil	1.2	18.5	14.2	54	<0.1	17.7	5.9	225	2.87	16.8	2.4	3.9	10	0.2	0.7	0.2	58	0.06	0.028	15
1223902	Soil	1.5	25.6	17.0	61	0.1	20.9	7.2	184	3.73	54.0	1.9	5.5	11	0.2	0.5	0.4	56	0.06	0.030	14
1223903	Soil	0.9	15.2	14.6	51	<0.1	17.4	8.6	251	2.73	20.8	<0.5	3.6	10	0.2	0.6	0.3	42	0.07	0.027	12
1223904	Soil	0.6	19.8	24.4	79	0.1	30.0	11.6	307	3.19	11.9	0.6	5.8	22	0.2	0.3	0.4	39	0.17	0.031	13
1223905	Soil	1.4	12.7	21.7	51	0.4	17.8	7.5	173	2.93	13.7	<0.5	2.9	10	0.4	0.6	0.2	51	0.08	0.027	10
1223906	Soil	0.9	37.7	15.9	79	<0.1	35.0	14.2	229	3.85	12.9	3.5	6.3	11	0.2	0.5	0.2	41	0.09	0.031	18
1223907	Soil	0.9	19.7	12.8	56	<0.1	19.8	8.3	229	3.01	11.8	0.5	2.3	11	0.3	0.6	0.2	44	0.11	0.043	12
1223908	Soil	1.3	18.0	23.2	57	<0.1	18.4	6.4	209	3.13	29.5	3.3	2.7	11	0.2	0.6	0.3	56	0.09	0.044	15
1223909	Soil	1.2	19.9	28.0	66	<0.1	19.0	6.7	224	2.80	23.9	<0.5	2.3	10	0.3	0.5	0.3	45	0.08	0.048	15
1223910	Soil	1.0	19.9	33.4	63	0.1	23.5	8.5	206	2.75	23.2	<0.5	1.7	18	0.4	0.5	0.3	47	0.14	0.032	13
1223911	Soil	1.1	24.4	19.4	73	0.2	33.1	16.0	252	3.05	15.4	<0.5	3.8	11	0.7	0.7	0.2	44	0.11	0.029	13
1223912	Soil	1.0	25.4	16.2	73	<0.1	36.5	17.6	379	3.18	12.0	4.2	6.1	12	0.4	0.7	0.2	47	0.10	0.031	15
1223913	Soil	0.8	22.1	11.8	57	<0.1	20.7	8.9	253	2.55	10.7	<0.5	1.8	9	<0.1	0.5	0.2	42	0.08	0.039	16
1223914	Soil	0.7	15.8	11.3	24	<0.1	9.9	2.9	73	1.57	5.2	2.9	0.4	10	<0.1	0.3	0.1	32	0.08	0.141	12
1223915	Soil	1.1	21.8	17.1	66	<0.1	27.0	8.3	227	3.35	24.4	<0.5	6.4	8	0.4	0.5	0.2	52	0.07	0.023	19

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223706	Soil	25	0.53	242	0.037	1	1.38	0.006	0.06	<0.1	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1223707	Soil	26	0.50	202	0.025	1	1.37	0.009	0.05	0.2	0.03	2.0	<0.1	<0.05	4	0.9	<0.2
1223708	Soil	28	0.47	211	0.023	<1	1.48	0.007	0.05	0.3	0.03	1.9	0.1	<0.05	4	<0.5	<0.2
1223709	Soil	26	0.49	214	0.026	<1	1.37	0.007	0.05	0.2	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1223710	Soil	14	0.12	233	0.006	2	0.74	0.008	0.05	<0.1	0.08	0.4	<0.1	0.06	2	<0.5	<0.2
1223711	Soil	23	0.42	249	0.024	1	1.31	0.006	0.04	0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1223712	Soil	21	0.42	245	0.038	<1	1.13	0.011	0.04	<0.1	0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
1223713	Soil	20	0.37	150	0.019	<1	1.22	0.005	0.04	0.3	0.04	1.2	<0.1	<0.05	4	<0.5	<0.2
1223714	Soil	20	0.36	162	0.022	<1	1.24	0.005	0.04	0.2	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1223715	Soil	19	0.31	171	0.016	2	1.22	0.005	0.04	0.2	0.04	1.0	<0.1	<0.05	4	<0.5	<0.2
1223716	Soil	20	0.36	213	0.034	<1	1.12	0.007	0.04	0.2	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1223717	Soil	19	0.29	194	0.016	<1	1.20	0.005	0.03	0.2	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1223718	Soil	21	0.34	189	0.034	<1	1.20	0.006	0.04	0.2	0.03	1.9	<0.1	<0.05	3	0.5	<0.2
1223719	Soil	21	0.35	199	0.034	<1	1.20	0.006	0.03	0.1	0.04	1.9	<0.1	<0.05	4	0.7	<0.2
1223720	Soil	23	0.41	125	0.025	<1	1.24	0.006	0.04	0.2	<0.01	1.4	<0.1	<0.05	4	0.6	<0.2
1223901	Soil	22	0.29	125	0.063	2	1.16	0.004	0.11	0.1	0.02	1.6	0.2	<0.05	6	<0.5	<0.2
1223902	Soil	31	0.40	82	0.071	2	1.78	0.007	0.16	0.2	0.03	2.1	0.2	<0.05	7	<0.5	<0.2
1223903	Soil	22	0.32	98	0.033	1	1.35	0.005	0.05	0.2	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1223904	Soil	41	0.50	124	0.052	1	2.47	0.005	0.17	0.5	0.03	2.8	0.2	<0.05	6	<0.5	<0.2
1223905	Soil	24	0.29	131	0.025	2	1.54	0.005	0.05	0.2	0.02	1.5	0.1	<0.05	5	<0.5	<0.2
1223906	Soil	37	0.54	157	0.049	<1	2.58	0.007	0.26	0.2	0.03	2.8	0.3	<0.05	6	<0.5	<0.2
1223907	Soil	26	0.40	124	0.036	1	1.55	0.006	0.07	0.2	0.03	1.9	0.2	<0.05	4	<0.5	<0.2
1223908	Soil	27	0.38	98	0.043	1	1.31	0.006	0.08	0.2	<0.01	1.6	0.2	<0.05	6	<0.5	<0.2
1223909	Soil	24	0.34	91	0.039	2	1.29	0.006	0.09	0.2	0.01	1.5	0.1	<0.05	5	<0.5	<0.2
1223910	Soil	26	0.40	136	0.038	2	1.57	0.007	0.08	0.2	0.04	1.6	0.1	<0.05	5	0.6	<0.2
1223911	Soil	30	0.45	127	0.043	2	1.79	0.007	0.10	0.3	0.03	2.2	0.2	<0.05	5	<0.5	<0.2
1223912	Soil	33	0.52	182	0.050	2	1.82	0.007	0.13	0.4	0.03	2.6	0.2	<0.05	5	<0.5	<0.2
1223913	Soil	26	0.42	152	0.031	<1	1.59	0.005	0.06	0.1	0.02	2.1	0.1	<0.05	5	<0.5	<0.2
1223914	Soil	19	0.17	125	0.010	1	1.09	0.004	0.09	<0.1	<0.01	0.4	0.1	<0.05	5	1.0	<0.2
1223915	Soil	34	0.47	193	0.041	1	2.10	0.006	0.18	0.1	0.02	2.5	0.2	<0.05	7	0.6	<0.2

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		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223916	Soil		1.2	23.8	20.8	40	0.2	14.4	5.5	159	2.32	10.1	2.0	2.1	8	<0.1	0.4	0.4	45	0.05	0.024	15
1223917	Soil		0.9	15.9	16.4	45	<0.1	13.9	5.5	190	2.17	9.8	3.7	0.7	9	0.1	0.5	0.2	43	0.07	0.037	12
1223918	Soil		0.9	14.6	19.5	55	<0.1	19.1	7.1	252	2.68	12.3	<0.5	3.3	9	0.1	0.6	0.3	48	0.07	0.036	13
1223919	Soil		0.8	12.6	12.9	45	<0.1	14.2	5.2	173	2.19	10.0	<0.5	2.0	9	0.1	0.5	0.3	47	0.07	0.036	13
1223920	Soil		1.0	15.3	10.4	52	<0.1	17.8	8.3	328	2.38	10.9	15.0	2.3	9	0.1	0.6	0.2	42	0.07	0.037	14
1223921	Soil		1.1	18.0	12.6	55	<0.1	18.2	6.3	193	2.92	14.4	0.7	3.8	10	<0.1	0.6	0.3	48	0.06	0.026	14
1223922	Soil		1.1	17.1	14.4	47	<0.1	15.7	5.9	169	2.66	11.2	2.6	3.7	9	0.1	0.5	0.3	42	0.05	0.028	14
1223923	Soil		0.8	16.4	9.9	47	<0.1	17.4	7.8	240	2.50	9.9	<0.5	3.8	9	0.2	0.6	0.2	36	0.06	0.031	13
1223924	Soil		0.8	18.2	10.4	51	<0.1	18.7	8.2	245	2.55	9.9	<0.5	2.3	11	0.2	0.6	0.2	40	0.09	0.048	15
1223925	Soil		0.9	9.0	11.6	32	<0.1	9.6	3.5	114	2.13	9.2	<0.5	0.7	9	<0.1	0.4	0.2	44	0.07	0.063	11
1223926	Soil		1.0	19.5	11.9	58	<0.1	22.7	8.4	203	2.67	18.3	2.2	6.4	12	<0.1	0.6	0.3	46	0.06	0.019	17
1223927	Soil		0.9	14.1	12.2	45	<0.1	14.8	5.9	173	2.43	11.1	1.3	4.6	10	<0.1	0.6	0.2	44	0.06	0.027	15
1223928	Soil		0.9	17.5	11.3	46	<0.1	16.0	7.0	202	2.48	11.0	5.9	5.3	8	<0.1	0.7	0.2	42	0.06	0.020	13
1223929	Soil		0.9	25.2	13.6	58	<0.1	22.4	10.4	274	2.74	9.4	1.3	7.4	12	<0.1	0.6	0.2	40	0.07	0.022	20
1223930	Soil		0.8	31.5	14.3	68	<0.1	25.7	12.3	267	3.15	8.1	3.4	11.0	13	<0.1	0.5	0.2	38	0.05	0.025	31
1223931	Soil		0.9	27.9	12.1	61	<0.1	21.6	10.5	235	3.01	7.9	<0.5	9.2	12	<0.1	0.6	0.2	37	0.05	0.022	21
1223932	Soil		0.8	28.3	12.3	63	<0.1	21.8	10.1	255	2.73	8.8	1.2	8.4	12	<0.1	0.5	0.2	37	0.06	0.021	26
1223933	Soil		0.8	27.1	10.9	52	<0.1	17.3	9.0	307	2.42	12.2	<0.5	4.9	9	<0.1	0.8	0.2	39	0.06	0.030	17
1223934	Soil		0.9	12.2	11.4	39	<0.1	13.4	5.4	139	2.35	15.1	0.5	1.8	8	<0.1	0.6	0.2	41	0.06	0.036	14
1223935	Soil		0.9	22.4	11.6	63	<0.1	20.9	11.6	327	2.55	12.1	0.5	5.8	10	<0.1	0.7	0.2	41	0.07	0.022	15
1223936	Soil		0.9	20.2	11.5	52	<0.1	17.3	7.6	227	2.61	12.7	2.5	5.4	7	<0.1	0.7	0.2	42	0.05	0.013	15
1223937	Soil		1.1	21.1	11.9	60	<0.1	20.0	9.1	276	2.60	16.3	2.8	5.7	9	<0.1	1.0	0.2	41	0.06	0.018	12
1223938	Soil		0.8	24.6	12.2	57	<0.1	22.7	9.4	234	2.58	15.7	<0.5	6.1	10	0.1	0.8	0.2	40	0.06	0.015	15
1223939	Soil		1.1	24.9	13.3	56	<0.1	20.8	9.9	294	2.81	29.6	<0.5	6.0	10	<0.1	0.8	0.2	46	0.06	0.020	13
1223940	Soil		0.8	19.3	12.7	47	<0.1	17.3	8.6	255	2.56	25.3	4.1	5.9	8	<0.1	0.7	0.3	41	0.06	0.018	15
1223941	Soil		0.8	29.2	11.6	55	<0.1	19.4	9.5	302	2.46	14.7	1.1	5.7	11	0.1	0.8	0.2	37	0.06	0.019	20
1223942	Soil		0.7	23.1	13.6	50	<0.1	15.6	6.8	204	2.60	12.6	0.9	8.0	11	<0.1	0.5	0.3	32	0.06	0.021	24
1223943	Soil		0.8	19.7	10.9	49	<0.1	15.7	6.1	175	2.20	10.3	<0.5	5.8	10	<0.1	0.6	0.2	39	0.07	0.022	17
1223944	Soil		0.8	18.4	10.8	47	<0.1	14.2	6.2	191	2.17	10.6	0.9	4.1	10	<0.1	0.5	0.2	40	0.08	0.035	17
1223945	Soil		0.8	24.7	9.9	49	<0.1	18.3	8.6	314	2.24	11.7	<0.5	5.1	13	<0.1	0.7	0.2	37	0.10	0.022	16

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223916	Soil	18	0.25	82	0.033	1	1.29	0.004	0.06	0.1	<0.01	1.4	0.2	<0.05	5	0.6	<0.2
1223917	Soil	22	0.32	99	0.028	2	1.32	0.004	0.04	0.1	<0.01	1.2	0.1	<0.05	5	0.8	<0.2
1223918	Soil	27	0.44	133	0.038	1	1.77	0.005	0.06	0.2	0.03	2.5	0.1	<0.05	5	0.6	<0.2
1223919	Soil	25	0.39	114	0.033	1	1.45	0.005	0.05	0.2	0.04	1.7	0.1	<0.05	5	<0.5	<0.2
1223920	Soil	25	0.44	119	0.037	1	1.62	0.005	0.06	0.2	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
1223921	Soil	27	0.47	114	0.034	2	1.76	0.005	0.06	0.2	0.03	2.1	0.1	<0.05	5	<0.5	<0.2
1223922	Soil	26	0.45	112	0.035	2	1.68	0.006	0.06	0.2	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
1223923	Soil	23	0.41	99	0.034	1	1.35	0.004	0.05	0.2	0.02	1.8	0.1	<0.05	4	0.8	<0.2
1223924	Soil	24	0.45	102	0.034	<1	1.35	0.005	0.07	0.2	0.02	1.8	<0.1	<0.05	4	0.6	<0.2
1223925	Soil	20	0.28	99	0.029	<1	1.14	0.006	0.03	0.1	0.02	1.1	<0.1	<0.05	5	<0.5	<0.2
1223926	Soil	30	0.49	146	0.041	<1	1.82	0.006	0.07	0.2	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
1223927	Soil	24	0.42	126	0.042	2	1.46	0.006	0.04	0.2	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
1223928	Soil	24	0.40	114	0.040	<1	1.43	0.005	0.04	0.1	0.03	2.3	0.1	<0.05	4	0.5	<0.2
1223929	Soil	28	0.51	162	0.054	2	1.75	0.009	0.08	0.1	0.04	3.1	0.1	<0.05	5	<0.5	<0.2
1223930	Soil	30	0.56	182	0.060	<1	1.93	0.007	0.16	0.1	<0.01	2.9	0.2	<0.05	6	<0.5	<0.2
1223931	Soil	27	0.52	127	0.047	<1	1.77	0.006	0.11	0.1	0.01	2.3	0.1	<0.05	5	<0.5	<0.2
1223932	Soil	26	0.53	207	0.055	1	1.56	0.009	0.09	0.1	<0.01	2.9	0.2	<0.05	5	<0.5	<0.2
1223933	Soil	25	0.43	142	0.038	2	1.28	0.008	0.04	0.2	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
1223934	Soil	23	0.37	105	0.028	<1	1.41	0.005	0.04	0.1	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
1223935	Soil	28	0.46	143	0.045	1	1.60	0.007	0.05	0.2	0.04	2.7	<0.1	<0.05	4	0.6	<0.2
1223936	Soil	26	0.42	120	0.044	1	1.33	0.008	0.04	0.2	0.05	3.4	<0.1	<0.05	4	0.6	<0.2
1223937	Soil	27	0.46	143	0.041	1	1.51	0.006	0.05	0.2	0.02	2.5	0.1	<0.05	4	<0.5	<0.2
1223938	Soil	26	0.44	159	0.043	<1	1.61	0.005	0.05	0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1223939	Soil	28	0.44	141	0.051	2	1.75	0.007	0.05	0.2	0.01	3.4	0.1	<0.05	5	<0.5	<0.2
1223940	Soil	22	0.42	130	0.044	<1	1.38	0.005	0.04	0.2	<0.01	3.1	0.1	<0.05	4	<0.5	<0.2
1223941	Soil	24	0.43	162	0.043	<1	1.31	0.010	0.05	0.1	0.03	5.1	0.1	<0.05	4	0.8	<0.2
1223942	Soil	22	0.44	160	0.035	<1	1.38	0.005	0.05	0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1223943	Soil	23	0.39	146	0.036	<1	1.33	0.007	0.03	0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
1223944	Soil	22	0.39	152	0.031	2	1.39	0.006	0.04	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1223945	Soil	23	0.38	264	0.033	<1	1.10	0.008	0.04	0.2	0.02	3.0	<0.1	<0.05	3	<0.5	<0.2

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Project: LUG+TS
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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1223946	Soil	0.6	19.7	9.7	47	<0.1	13.3	6.5	188	2.38	11.9	<0.5	6.2	9	<0.1	0.5	0.2	34	0.06	0.024	19
1223947	Soil	0.9	24.3	9.9	52	<0.1	18.8	7.0	275	2.22	13.7	<0.5	5.4	19	<0.1	0.7	0.1	34	0.18	0.035	17
1223948	Soil	0.6	14.9	9.4	38	<0.1	13.2	5.0	155	2.04	12.7	2.2	2.8	10	<0.1	0.5	0.2	36	0.08	0.037	16
1223949	Soil	0.8	23.6	10.4	50	<0.1	19.2	7.9	232	2.33	12.7	1.5	4.9	10	<0.1	0.7	0.2	41	0.07	0.020	16
1223950	Soil	0.7	23.9	10.9	55	<0.1	18.7	10.0	208	2.64	75.7	<0.5	8.7	8	0.1	0.5	0.2	28	0.04	0.020	18
1223951	Soil	0.8	16.6	9.5	44	<0.1	13.7	5.6	161	2.15	15.6	<0.5	6.1	8	<0.1	0.5	0.2	32	0.06	0.019	19
1223952	Soil	0.8	18.0	8.6	44	<0.1	14.5	6.4	175	2.08	15.3	5.2	4.3	11	<0.1	0.5	0.2	34	0.09	0.028	16
1223953	Soil	0.7	14.5	9.4	42	<0.1	13.5	5.2	140	2.04	14.3	1.6	3.4	11	<0.1	0.5	0.2	34	0.10	0.044	12
1223954	Soil	0.7	24.9	10.9	56	<0.1	17.3	8.5	179	2.34	29.9	1.8	8.9	13	0.1	0.5	0.2	28	0.07	0.022	27
1223955	Soil	0.7	20.9	11.5	48	<0.1	14.0	6.6	201	2.36	18.2	1.8	4.8	11	<0.1	0.6	0.2	41	0.09	0.028	19
1223956	Soil	0.8	33.7	26.3	59	0.1	16.7	8.7	194	2.81	136.6	3.9	10.6	16	0.2	0.6	0.8	31	0.07	0.025	22
1223957	Soil	0.6	27.3	11.1	53	<0.1	18.7	9.1	241	2.43	13.4	2.1	5.2	11	<0.1	0.7	0.2	39	0.09	0.026	17
1223958	Soil	1.0	24.1	24.1	57	0.5	23.0	10.8	194	2.91	40.2	3.6	7.0	10	0.3	0.6	0.4	54	0.06	0.017	15
1223959	Soil	1.0	24.6	14.4	58	0.1	19.8	8.3	185	2.94	47.6	1.0	8.5	11	0.1	0.6	0.3	38	0.05	0.021	20
1223960	Soil	1.1	27.8	18.0	55	0.3	16.7	6.5	171	3.14	206.7	5.1	9.6	10	0.4	0.4	0.4	35	0.04	0.031	23
1223961	Soil	0.8	32.3	10.8	51	0.1	20.9	8.2	190	2.55	14.2	2.9	6.6	16	<0.1	0.8	0.2	43	0.13	0.021	20
1223962	Soil	0.9	42.4	14.6	58	0.2	18.6	6.9	177	3.49	17.6	4.0	13.0	12	<0.1	0.5	0.4	35	0.06	0.020	31
1223963	Soil	1.0	35.2	21.6	85	0.1	27.7	11.2	209	3.31	23.7	0.9	11.6	11	0.3	0.5	0.2	36	0.06	0.023	25
1223964	Soil	0.6	17.3	14.1	47	0.3	18.6	8.6	177	2.05	15.6	4.6	3.1	17	<0.1	0.4	0.2	33	0.19	0.052	17
1222249	Soil	0.6	17.8	14.2	58	0.1	18.4	7.9	252	2.22	12.9	3.9	1.6	20	0.1	0.5	0.2	42	0.29	0.064	15

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1223946	Soil	19	0.34	108	0.032	<1	1.15	0.005	0.04	0.1	0.01	1.5	0.1	<0.05	4	<0.5	<0.2
1223947	Soil	21	0.38	262	0.040	<1	1.18	0.011	0.05	0.1	0.02	2.6	<0.1	<0.05	4	<0.5	<0.2
1223948	Soil	19	0.31	144	0.026	<1	1.12	0.005	0.03	0.2	0.03	2.1	<0.1	<0.05	4	0.6	<0.2
1223949	Soil	24	0.40	201	0.038	2	1.28	0.008	0.03	0.1	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
1223950	Soil	19	0.35	110	0.038	<1	1.17	0.004	0.05	0.1	<0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
1223951	Soil	20	0.35	125	0.034	<1	1.28	0.005	0.04	0.1	<0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1223952	Soil	19	0.34	143	0.032	<1	1.17	0.005	0.04	0.2	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
1223953	Soil	19	0.33	135	0.027	<1	1.13	0.004	0.03	0.1	0.01	1.9	<0.1	<0.05	4	<0.5	<0.2
1223954	Soil	20	0.37	160	0.030	<1	1.16	0.005	0.07	0.1	0.02	1.6	0.1	<0.05	3	<0.5	<0.2
1223955	Soil	23	0.36	166	0.034	<1	1.35	0.006	0.04	0.2	0.02	2.2	<0.1	<0.05	4	<0.5	<0.2
1223956	Soil	23	0.38	156	0.039	<1	1.25	0.008	0.06	0.2	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1223957	Soil	25	0.37	233	0.030	<1	1.28	0.007	0.04	0.2	0.04	3.8	<0.1	<0.05	3	<0.5	<0.2
1223958	Soil	32	0.39	197	0.039	<1	1.99	0.008	0.05	0.2	0.03	3.4	0.1	<0.05	5	<0.5	<0.2
1223959	Soil	24	0.42	109	0.031	<1	1.52	0.006	0.06	0.1	0.01	1.8	0.2	<0.05	4	<0.5	<0.2
1223960	Soil	23	0.42	90	0.022	<1	1.41	0.008	0.05	0.2	0.01	1.4	0.1	<0.05	5	<0.5	<0.2
1223961	Soil	27	0.38	226	0.042	<1	1.22	0.010	0.04	0.2	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
1223962	Soil	30	0.56	191	0.018	<1	1.84	0.008	0.07	0.2	0.03	2.5	0.1	<0.05	5	<0.5	<0.2
1223963	Soil	27	0.54	149	0.018	<1	1.82	0.006	0.05	0.1	0.02	2.2	0.1	<0.05	5	<0.5	<0.2
1223964	Soil	20	0.35	224	0.019	<1	1.32	0.007	0.04	0.3	0.04	1.8	0.1	<0.05	4	<0.5	<0.2
1222249	Soil	25	0.40	205	0.031	<1	1.40	0.009	0.04	0.2	0.04	2.4	0.1	<0.05	4	<0.5	<0.2

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QUALITY CONTROL REPORT WHI11001047.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1223442	Soil	0.5	15.3	15.9	69	0.2	16.2	5.7	161	1.81	11.4	4.2	2.7	13	0.3	0.5	0.2	29	0.14	0.056	13
REP 1223442	QC	0.6	15.6	16.1	70	0.2	18.2	5.9	167	1.86	11.1	2.3	2.6	14	0.3	0.5	0.2	29	0.14	0.056	14
1223451	Soil	1.2	13.7	14.6	38	<0.1	11.3	4.0	143	2.62	14.8	1.6	3.2	6	0.2	0.6	0.4	52	0.04	0.029	12
REP 1223451	QC	1.1	13.7	14.4	39	<0.1	11.0	3.9	133	2.58	14.1	2.7	3.1	6	0.1	0.6	0.4	52	0.04	0.029	12
1223469	Soil	0.8	20.6	17.0	54	<0.1	18.0	7.5	248	1.95	13.8	3.5	2.4	11	0.2	0.5	0.2	36	0.11	0.047	17
REP 1223469	QC	0.9	20.3	17.0	54	<0.1	18.1	7.6	253	2.05	13.9	4.2	2.4	12	0.1	0.5	0.2	35	0.12	0.047	17
1223494	Soil	0.7	19.8	8.3	50	0.1	16.3	6.7	143	1.83	8.9	13.1	3.5	13	0.1	0.4	0.2	31	0.18	0.057	15
REP 1223494	QC	0.9	20.5	8.5	53	<0.1	18.2	7.1	150	1.90	9.0	4.2	3.5	14	<0.1	0.4	0.2	32	0.19	0.060	16
1223652	Soil	0.9	11.9	12.6	40	<0.1	12.8	5.1	159	1.77	12.6	2.4	0.6	7	<0.1	0.4	0.1	29	0.07	0.035	14
REP 1223652	QC	0.8	12.5	12.7	42	<0.1	13.4	5.5	170	1.87	13.3	1.9	0.7	7	0.2	0.4	0.2	30	0.08	0.039	14
1223683	Soil	0.8	14.8	14.2	48	<0.1	14.9	4.9	174	1.80	18.7	8.3	1.1	10	0.2	0.4	0.2	30	0.09	0.038	13
REP 1223683	QC	0.7	14.5	14.6	49	<0.1	14.5	4.9	174	1.76	19.1	10.2	1.1	10	0.2	0.4	0.2	29	0.10	0.038	13
1223701	Soil	0.5	21.2	169.1	113	0.8	18.6	7.0	285	2.08	69.2	7.4	5.2	12	0.7	0.9	0.3	27	0.10	0.029	17
REP 1223701	QC	0.7	21.9	170.6	116	0.8	19.2	6.9	287	2.06	72.6	7.2	5.4	12	0.7	0.8	0.3	26	0.11	0.030	17
1223702	Soil	0.7	20.1	39.3	72	0.2	18.6	7.0	235	2.31	56.6	5.9	3.6	9	0.5	0.6	0.3	35	0.05	0.025	15
REP 1223702	QC	0.9	20.1	39.0	74	0.2	18.7	6.9	236	2.34	56.0	4.7	3.7	9	0.7	0.5	0.2	35	0.06	0.024	14
1223915	Soil	1.1	21.8	17.1	66	<0.1	27.0	8.3	227	3.35	24.4	<0.5	6.4	8	0.4	0.5	0.2	52	0.07	0.023	19
REP 1223915	QC	1.0	22.2	17.6	67	<0.1	27.6	8.2	226	3.38	23.4	<0.5	6.5	8	0.4	0.5	0.2	51	0.06	0.024	19
1223932	Soil	0.8	28.3	12.3	63	<0.1	21.8	10.1	255	2.73	8.8	1.2	8.4	12	<0.1	0.5	0.2	37	0.06	0.021	26
REP 1223932	QC	0.8	26.4	12.1	62	<0.1	20.6	9.3	260	2.64	8.8	<0.5	8.6	11	<0.1	0.5	0.2	35	0.05	0.022	24
1223944	Soil	0.8	18.4	10.8	47	<0.1	14.2	6.2	191	2.17	10.6	0.9	4.1	10	<0.1	0.5	0.2	40	0.08	0.035	17
REP 1223944	QC	0.9	16.9	10.7	46	<0.1	13.2	6.0	182	2.18	10.1	<0.5	3.9	10	<0.1	0.6	0.2	36	0.07	0.031	16
1223964	Soil	0.6	17.3	14.1	47	0.3	18.6	8.6	177	2.05	15.6	4.6	3.1	17	<0.1	0.4	0.2	33	0.19	0.052	17
REP 1223964	QC	0.6	16.9	14.4	44	0.2	17.6	8.3	170	2.01	15.6	3.2	3.2	15	0.1	0.4	0.2	31	0.16	0.048	15
Reference Materials																					
STD DS8	Standard	12.7	105.4	130.6	306	1.8	35.3	7.1	598	2.38	24.7	112.0	6.5	68	2.6	5.4	6.3	41	0.66	0.079	15
STD DS8	Standard	11.6	103.2	119.3	303	1.6	35.5	6.9	580	2.31	23.3	96.9	6.3	68	2.1	6.0	6.7	38	0.67	0.075	14
STD DS8	Standard	11.2	111.0	127.4	303	1.8	36.4	7.2	576	2.36	25.0	120.1	6.3	62	2.3	5.0	6.2	41	0.61	0.078	12

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	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1223442	Soil	19	0.35	157	0.020	<1	1.22	0.005	0.05	0.2	0.05	1.7	0.1	<0.05	4	0.7	<0.2
REP 1223442	QC	20	0.35	158	0.022	<1	1.24	0.005	0.05	0.2	0.04	1.8	0.1	<0.05	4	<0.5	<0.2
1223451	Soil	19	0.20	58	0.026	2	1.01	0.003	0.03	0.3	0.02	1.3	<0.1	<0.05	5	<0.5	<0.2
REP 1223451	QC	19	0.20	58	0.025	<1	1.02	0.004	0.03	0.3	0.03	1.4	<0.1	<0.05	5	<0.5	<0.2
1223469	Soil	22	0.34	89	0.028	<1	0.99	0.005	0.03	0.3	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
REP 1223469	QC	22	0.36	92	0.031	1	1.04	0.005	0.03	0.3	0.04	1.7	<0.1	<0.05	3	<0.5	<0.2
1223494	Soil	18	0.32	195	0.030	<1	1.05	0.004	0.04	1.1	0.04	2.2	0.1	<0.05	3	<0.5	<0.2
REP 1223494	QC	20	0.32	201	0.029	<1	1.05	0.004	0.04	1.2	0.03	2.2	<0.1	<0.05	3	0.8	<0.2
1223652	Soil	17	0.24	68	0.015	<1	0.87	0.003	0.03	0.1	0.03	0.8	<0.1	<0.05	3	<0.5	<0.2
REP 1223652	QC	18	0.26	72	0.016	<1	0.96	0.003	0.03	0.2	0.03	1.1	<0.1	<0.05	3	<0.5	<0.2
1223683	Soil	19	0.30	115	0.024	2	1.01	0.006	0.04	0.1	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
REP 1223683	QC	19	0.29	115	0.023	2	0.98	0.005	0.04	0.2	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
1223701	Soil	24	0.39	154	0.034	1	1.06	0.005	0.07	0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
REP 1223701	QC	23	0.39	153	0.035	<1	1.13	0.005	0.07	0.1	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1223702	Soil	24	0.40	153	0.025	2	1.38	0.005	0.05	0.2	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2
REP 1223702	QC	24	0.41	154	0.023	1	1.35	0.004	0.05	0.2	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1223915	Soil	34	0.47	193	0.041	1	2.10	0.006	0.18	0.1	0.02	2.5	0.2	<0.05	7	0.6	<0.2
REP 1223915	QC	35	0.48	197	0.041	2	2.09	0.006	0.18	0.1	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
1223932	Soil	26	0.53	207	0.055	1	1.56	0.009	0.09	0.1	<0.01	2.9	0.2	<0.05	5	<0.5	<0.2
REP 1223932	QC	26	0.50	195	0.049	<1	1.53	0.006	0.09	0.1	<0.01	2.9	0.1	<0.05	4	<0.5	<0.2
1223944	Soil	22	0.39	152	0.031	2	1.39	0.006	0.04	0.2	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
REP 1223944	QC	21	0.36	151	0.028	<1	1.32	0.007	0.03	0.2	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2
1223964	Soil	20	0.35	224	0.019	<1	1.32	0.007	0.04	0.3	0.04	1.8	0.1	<0.05	4	<0.5	<0.2
REP 1223964	QC	19	0.33	211	0.014	<1	1.22	0.006	0.03	0.3	0.03	1.7	0.1	<0.05	4	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	112	0.60	272	0.114	2	0.92	0.097	0.41	2.8	0.23	2.1	5.4	0.15	5	5.2	4.6
STD DS8	Standard	110	0.59	269	0.108	3	0.86	0.080	0.43	3.0	0.19	2.0	5.2	0.15	4	5.1	4.8
STD DS8	Standard	112	0.58	234	0.099	2	0.84	0.084	0.40	2.8	0.22	2.1	5.4	0.14	4	4.6	4.5

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56th Floor - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: LUG+TS
Report Date: November 16, 2011

QUALITY CONTROL REPORT WHI11001047.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
STD DS8	Standard	11.3	94.6	107.9	280	1.6	31.5	6.5	535	2.16	22.6	99.9	5.6	59	2.0	4.7	5.4	36	0.63	0.066	13
STD DS8	Standard	12.8	107.3	124.4	301	1.6	36.1	7.4	598	2.45	23.4	113.3	6.7	63	2.2	5.4	5.5	41	0.69	0.077	16
STD DS8	Standard	12.4	97.6	108.6	280	1.6	35.0	6.9	537	2.18	21.5	99.1	5.8	51	2.1	4.3	5.6	38	0.59	0.073	13
STD DS8	Standard	12.9	120.1	123.9	316	1.8	38.8	7.8	605	2.42	26.2	109.7	7.0	69	2.2	5.9	7.1	45	0.69	0.075	14
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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Toronto ON M5X 1C9 Canada

Project: LUG+TS
Report Date: November 16, 2011

QUALITY CONTROL REPORT WHI11001047.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	103	0.54	256	0.104	3	0.81	0.087	0.38	2.6	0.18	2.5	4.7	0.15	4	4.0	4.4
STD DS8	Standard	114	0.61	270	0.112	3	0.89	0.083	0.39	3.0	0.17	2.0	5.4	0.17	4	5.6	5.0
STD DS8	Standard	106	0.54	233	0.098	1	0.84	0.077	0.35	2.6	0.19	2.1	4.9	0.17	4	4.2	4.9
STD DS8	Standard	119	0.61	272	0.127	3	0.87	0.087	0.42	3.0	0.20	2.5	5.4	0.18	5	4.6	4.9
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

Appendix V: Silt Sample Assay Certificates

Note: Certificate WHI11001127.1 contains results for additional Goldspike Exploration properties. Samples from the For Property are:

1220718
1220719
1220720

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Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: August 11, 2011
Report Date: September 14, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI11001127.1

CLIENT JOB INFORMATION

Project: LUG+TS
Shipment ID: LUG-TS(silts)
P.O. Number
Number of Samples: 28

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	28	Dry at 60C			WHI
SS80	28	Dry at 60C sieve 100g to -80 mesh			WHI
RJSV	28	Saving all or part of Soil Reject			WHI
1DX2	28	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Goldspike Exploration Inc.
56th Floor - 100 King Street West
Toronto ON M5X 1C9
Canada

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Client: **Goldspike Exploration Inc.**
56th Floor - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: LUG+TS
Report Date: September 14, 2011

CERTIFICATE OF ANALYSIS WHI11001127.1

		Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1220653	Silt		1.1	32.3	51.9	286	0.5	26.0	13.8	907	2.45	60.0	2.1	4.2	24	8.0	0.7	1.2	29	0.34	0.064	18
1220654	Silt		1.2	33.0	50.7	296	0.6	25.0	12.8	979	2.23	45.2	3.6	2.7	28	7.4	0.6	1.1	31	0.39	0.073	18
1220655	Silt		0.6	14.2	12.5	86	0.3	17.5	11.8	643	1.96	29.8	9.3	2.6	20	0.8	0.3	0.3	20	0.33	0.056	15
1220656	Silt		1.0	12.3	14.4	52	0.1	16.4	7.1	263	2.37	30.3	4.0	4.7	6	0.2	0.4	0.2	18	0.08	0.047	16
1220657	Silt		0.6	11.8	10.8	68	0.1	17.1	9.4	524	2.00	30.5	1.7	4.1	10	0.4	0.3	0.2	15	0.16	0.041	13
1220658	Silt		0.6	13.9	13.2	86	0.3	17.4	12.2	747	1.81	24.7	5.9	2.0	19	0.9	0.3	0.2	20	0.32	0.053	15
1220659	Silt		1.2	14.4	14.8	75	0.3	17.2	9.9	561	1.85	29.0	18.0	3.9	21	0.7	0.4	0.8	23	0.35	0.058	19
1220660	Silt		1.7	20.0	20.0	84	0.4	22.7	12.8	925	2.17	39.0	7.1	4.0	29	1.3	0.5	0.9	23	0.49	0.060	22
1220661	Silt		0.7	15.4	14.7	80	0.4	19.0	11.1	649	2.09	29.4	11.3	2.5	20	0.9	0.3	0.4	22	0.35	0.057	17
1220662	Silt		1.7	22.2	25.5	116	0.6	32.7	16.1	1287	2.40	87.5	8.4	3.7	28	1.7	0.6	0.5	33	0.39	0.089	26
1220663	Silt		1.5	19.6	17.9	95	0.2	30.3	15.6	1128	2.66	68.1	27.3	5.7	18	1.2	0.5	0.3	27	0.25	0.071	24
1220664	Silt		1.1	28.7	18.9	168	0.2	88.3	90.4	1479	3.37	20.1	1.5	8.3	10	1.0	0.5	0.3	22	0.14	0.062	66
1222106	Silt		0.7	43.0	48.8	619	0.5	22.7	9.2	308	2.23	150.6	6.7	2.4	36	14.1	0.4	3.0	21	0.61	0.066	17
1222107	Silt		0.3	13.5	11.3	46	<0.1	13.4	7.4	281	1.61	10.8	0.8	6.4	7	0.2	1.7	0.2	7	0.11	0.028	16
1222108	Silt		0.4	8.1	11.5	78	0.1	5.8	2.9	172	0.88	5.1	1.1	9.1	8	0.4	0.3	0.6	14	0.16	0.066	18
1222109	Silt		0.3	11.5	13.3	54	<0.1	13.3	6.7	149	1.49	8.8	1.5	5.5	16	0.2	1.5	0.1	11	0.18	0.043	18
1222110	Silt		0.4	14.5	13.4	62	<0.1	15.6	7.9	421	1.74	15.5	1.8	6.4	15	0.4	3.1	0.2	10	0.25	0.048	18
1222111	Silt		0.4	13.3	11.8	53	<0.1	14.3	6.7	253	1.57	13.7	1.3	6.1	11	0.3	2.8	0.2	10	0.19	0.047	19
1222112	Silt		0.3	17.2	11.5	39	<0.1	15.8	8.4	236	1.55	5.8	<0.5	7.5	7	0.1	0.7	0.1	7	0.09	0.035	17
1220710	Silt		1.2	22.7	51.2	196	1.3	13.8	6.7	509	2.11	14.4	24.1	4.7	11	1.6	0.6	2.7	34	0.17	0.068	21
1220711	Silt		1.3	18.6	46.1	191	1.0	10.6	5.5	545	1.92	11.7	2.5	4.1	12	1.8	0.4	2.0	31	0.14	0.059	24
1220712	Silt		0.7	13.9	21.4	102	0.3	11.5	5.3	314	1.66	5.9	1.3	9.6	13	1.3	0.4	1.1	28	0.24	0.093	21
1220715	Silt		0.6	8.3	8.7	45	<0.1	9.8	4.5	184	1.46	8.7	0.7	1.8	12	0.2	0.3	0.2	24	0.16	0.046	13
1220716	Silt		0.4	11.7	13.5	75	<0.1	13.6	6.9	602	1.58	9.1	8.0	3.6	15	1.1	2.5	0.2	14	0.20	0.046	17
1220717	Silt		0.3	9.5	8.8	42	<0.1	10.8	4.7	139	1.09	5.7	1.6	3.9	10	0.2	1.3	0.2	12	0.13	0.035	16
1220718	Silt		0.7	9.9	11.2	42	<0.1	12.3	5.4	165	1.72	9.5	2.1	0.2	7	<0.1	0.3	0.2	30	0.07	0.041	13
1220719	Silt		0.8	10.5	11.2	42	0.2	12.1	5.3	160	1.75	8.5	8.5	0.3	8	0.1	0.4	0.2	32	0.08	0.046	13
1220720	Silt		0.7	16.2	14.9	70	0.4	23.9	8.7	324	2.06	19.0	11.1	1.4	17	0.4	0.3	0.2	28	0.23	0.041	14

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Project: LUG+TS
Report Date: September 14, 2011

CERTIFICATE OF ANALYSIS WHI11001127.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1220653	Silt	24	0.38	147	0.038	2	1.41	0.008	0.17	4.2	0.05	2.3	0.3	<0.05	4	1.1	<0.2
1220654	Silt	24	0.35	147	0.032	2	1.31	0.008	0.14	4.8	0.06	2.3	0.2	<0.05	4	1.7	<0.2
1220655	Silt	16	0.34	101	0.022	1	1.07	0.006	0.08	2.5	0.03	1.2	0.2	<0.05	3	<0.5	<0.2
1220656	Silt	14	0.27	74	0.008	<1	0.77	0.002	0.04	0.3	0.04	0.9	<0.1	<0.05	2	0.6	<0.2
1220657	Silt	13	0.28	68	0.015	<1	0.82	0.004	0.06	2.3	0.02	1.0	0.1	<0.05	2	<0.5	<0.2
1220658	Silt	15	0.30	108	0.016	1	0.99	0.005	0.06	1.7	0.05	1.3	0.1	<0.05	3	0.9	<0.2
1220659	Silt	17	0.32	109	0.035	2	0.99	0.005	0.10	35.0	<0.01	1.6	0.2	<0.05	3	1.0	<0.2
1220660	Silt	19	0.32	130	0.031	2	1.01	0.005	0.12	31.5	0.01	1.7	0.2	<0.05	3	2.0	<0.2
1220661	Silt	18	0.34	119	0.019	1	1.09	0.006	0.08	7.3	0.03	1.7	0.1	<0.05	3	0.6	<0.2
1220662	Silt	28	0.45	207	0.042	2	1.43	0.010	0.12	7.9	0.04	2.6	0.3	<0.05	4	2.1	<0.2
1220663	Silt	23	0.47	157	0.045	1	1.30	0.009	0.13	3.1	0.04	2.0	0.3	<0.05	3	1.7	<0.2
1220664	Silt	17	0.33	90	0.014	2	1.35	0.003	0.04	0.3	0.07	2.0	0.4	<0.05	3	1.1	<0.2
1222106	Silt	21	0.34	58	0.022	2	1.24	0.006	0.09	0.7	0.04	1.6	0.2	<0.05	3	0.7	<0.2
1222107	Silt	5	0.15	40	0.005	<1	0.38	<0.001	0.03	0.2	0.02	0.8	<0.1	<0.05	<1	<0.5	<0.2
1222108	Silt	6	0.15	53	0.017	<1	0.49	0.003	0.04	1.4	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
1222109	Silt	8	0.21	52	0.008	<1	0.55	0.002	0.03	0.5	0.02	0.9	<0.1	<0.05	2	0.6	<0.2
1222110	Silt	8	0.21	54	0.009	<1	0.50	0.002	0.03	0.8	0.02	0.9	<0.1	<0.05	2	<0.5	<0.2
1222111	Silt	7	0.18	48	0.009	1	0.47	0.002	0.03	0.3	0.02	0.8	<0.1	<0.05	1	<0.5	<0.2
1222112	Silt	5	0.12	38	0.007	<1	0.32	0.001	0.02	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
1220710	Silt	20	0.28	141	0.026	<1	1.16	0.004	0.06	13.9	0.05	1.9	0.2	<0.05	5	<0.5	<0.2
1220711	Silt	15	0.26	140	0.024	<1	1.27	0.003	0.06	5.4	0.03	1.7	0.2	<0.05	5	0.5	<0.2
1220712	Silt	13	0.27	113	0.032	<1	0.82	0.004	0.06	4.8	0.01	1.9	0.1	<0.05	4	<0.5	<0.2
1220715	Silt	13	0.21	84	0.017	<1	0.78	0.004	0.04	0.9	0.01	1.2	0.1	<0.05	3	0.5	<0.2
1220716	Silt	10	0.19	77	0.012	<1	0.63	0.002	0.04	2.3	0.02	1.0	<0.1	<0.05	2	<0.5	<0.2
1220717	Silt	8	0.15	56	0.010	<1	0.50	0.002	0.03	0.3	0.06	0.9	<0.1	<0.05	2	<0.5	<0.2
1220718	Silt	17	0.27	84	0.012	<1	0.91	0.003	0.03	0.3	0.04	0.7	<0.1	<0.05	3	0.5	<0.2
1220719	Silt	18	0.28	90	0.013	<1	0.99	0.003	0.03	0.3	0.08	0.8	<0.1	<0.05	4	<0.5	<0.2
1220720	Silt	18	0.31	98	0.017	<1	1.11	0.005	0.05	0.2	0.04	1.4	<0.1	<0.05	3	<0.5	<0.2

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Project: LUG+TS
Report Date: September 14, 2011

QUALITY CONTROL REPORT WHI11001127.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1222107	Silt	0.3	13.5	11.3	46	<0.1	13.4	7.4	281	1.61	10.8	0.8	6.4	7	0.2	1.7	0.2	7	0.11	0.028	16
REP 1222107	QC	0.3	13.7	11.9	45	<0.1	14.3	7.3	286	1.58	10.5	<0.5	6.6	8	0.2	1.6	0.2	7	0.11	0.027	17
Reference Materials																					
STD DS8	Standard	12.6	108.5	125.2	321	1.9	37.5	7.5	618	2.51	25.4	114.3	6.0	58	2.1	4.7	6.3	41	0.71	0.085	14
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1

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QUALITY CONTROL REPORT WHI11001127.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1222107	Silt	5	0.15	40	0.005	<1	0.38	<0.001	0.03	0.2	0.02	0.8	<0.1	<0.05	<1	<0.5	<0.2
REP 1222107	QC	6	0.15	41	0.006	<1	0.38	0.001	0.03	0.2	0.02	0.7	<0.1	<0.05	1	<0.5	<0.2
Reference Materials																	
STD DS8	Standard	116	0.64	274	0.107	2	0.90	0.084	0.42	2.8	0.21	2.2	5.3	0.12	5	5.6	5.0
STD DS8 Expected		115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

Appendix VI: Rock Sample Assay Certificates

Note: Certificate WHI11001082.1 contains results for additional Goldspike Exploration properties. Samples from the For Property are:

1220631	1222158
1221842	1222159
1221843	1222161
1221844	1222162
1221845	1222163
1222156	1222701
1222157	1222702

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Submitted By: Bruce Durham
Receiving Lab: Canada-Whitehorse
Received: August 10, 2011
Report Date: October 03, 2011
Page: 1 of 4

CERTIFICATE OF ANALYSIS WHI11001082.1

CLIENT JOB INFORMATION

Project: LUG+TS
Shipment ID: LUG-TS(Rx1-5)
P.O. Number
Number of Samples: 90

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	90	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B	90	Fire assay fusion Au by ICP-ES	30	Completed	VAN
1DX	90	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Goldspike Exploration Inc.
56th Floor - 100 King Street West
Toronto ON M5X 1C9
Canada

CC: Daniel Ferraro
Robert Middleton

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Project: LUG+TS
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS WHI11001082.1

		Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1204339	Rock		1.02	<2	0.3	1.2	21.6	127	0.5	1.5	2.5	1252	2.58	0.9	1.0	12.9	3	1.1	<0.1	<0.1	8	0.07
1204340	Rock		2.55	2794	7.6	32.0	357.8	50	59.2	1.4	1.2	137	0.98	2165	3096	1.9	7	5.0	77.5	1.0	2	0.02
1204341	Rock		1.26	14	4.9	23.5	814.4	167	4.9	0.9	0.5	86	0.94	26.0	15.0	1.6	5	4.3	2.6	4.4	<2	0.03
1204342	Rock		1.90	32	1.5	11.6	126.4	1288	1.7	9.1	3.6	596	1.37	881.0	38.0	14.7	18	6.0	1.5	1.2	<2	0.08
1204343	Rock		1.23	5	0.2	12.4	185.8	250	0.4	7.9	2.3	178	1.24	9.0	2.5	4.9	<1	0.5	0.3	0.4	5	<0.01
1204344	Rock		1.92	43	1.0	20.6	45.8	175	0.9	55.3	20.7	980	3.68	28.4	30.6	8.6	120	1.6	0.2	1.5	105	3.98
1204345	Rock		2.29	4	0.4	15.2	81.1	84	0.3	27.0	17.5	565	1.47	5.4	0.8	4.6	3	0.8	0.2	0.1	3	0.04
1204346	Rock		2.17	5	0.3	32.8	15.9	25	0.1	7.3	2.8	135	2.31	5.8	3.7	1.7	7	0.2	0.3	0.3	5	0.04
1204347	Rock		1.88	2	0.3	25.3	3.8	88	<0.1	95.2	64.2	1115	1.75	0.9	0.7	2.2	5	0.6	<0.1	<0.1	4	0.04
1204348	Rock		1.26	2	0.7	1.9	43.0	174	0.2	1.7	1.5	399	1.13	17.3	1.8	17.6	212	0.9	0.2	0.5	<2	0.84
1204349	Rock		1.64	20	0.3	19.6	3.4	5	<0.1	2.2	0.6	43	0.96	6.3	3.4	2.8	7	<0.1	0.1	0.5	4	0.05
1204350	Rock		1.81	4	1.5	29.9	11.4	14	0.2	3.1	1.6	86	1.17	181.1	2.4	16.9	30	0.1	0.2	0.4	<2	0.14
1222151	Rock		2.12	4	1.0	40.4	8.7	19	0.1	1.7	1.4	148	1.40	125.9	3.1	15.7	31	0.3	0.2	0.4	<2	0.18
1222152	Rock		1.31	87	0.8	11.3	7.2	142	0.2	4.0	3.1	306	1.65	1438	86.0	7.2	26	2.7	2.0	0.5	12	0.18
1222153	Rock		1.26	<2	0.5	21.5	1.0	78	<0.1	29.9	15.8	1059	3.73	61.4	1.6	1.4	6	0.2	0.2	0.1	14	0.03
1222154	Rock		1.98	50	0.2	21.2	14.0	22	0.5	6.0	1.5	108	1.45	1527	86.2	5.0	5	0.2	1.2	0.8	5	0.01
1222155	Rock		0.57	43	0.3	19.9	7.3	19	1.1	10.0	1.9	72	2.29	3403	48.3	4.9	8	0.8	2.1	1.4	3	0.04
1222156	Rock		3.13	<2	0.2	6.9	8.9	22	<0.1	8.8	2.2	170	0.75	17.3	2.4	3.7	24	0.3	0.1	0.1	6	0.28
1222157	Rock		1.66	<2	0.2	5.5	24.4	6	<0.1	0.7	0.3	39	0.47	18.5	0.6	9.4	4	<0.1	<0.1	<0.1	<2	0.02
1222158	Rock		1.19	<2	0.8	33.3	10.8	85	0.2	38.9	14.1	182	3.74	3.9	0.9	12.6	11	<0.1	<0.1	0.2	67	0.02
1222159	Rock		2.07	<2	0.2	2.5	1.2	2	<0.1	2.6	0.6	29	0.32	10.1	0.7	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
1222160	Rock		3.74	<2	0.2	27.5	50.9	58	0.1	29.1	13.3	315	2.55	3.3	<0.5	7.2	74	<0.1	0.3	0.6	9	0.58
1222161	Rock		1.14	<2	0.2	6.0	5.4	90	<0.1	7.5	5.7	257	4.01	4.2	1.0	1.4	2	<0.1	<0.1	0.3	15	0.02
1222162	Rock		1.45	19	0.2	15.7	3.4	58	<0.1	20.1	7.3	386	2.80	9.5	14.1	4.4	3	<0.1	<0.1	1.6	13	0.05
1222163	Rock		1.84	5	0.3	92.9	7.4	31	0.1	17.4	6.8	737	1.97	10.3	5.4	4.8	56	0.1	<0.1	0.8	16	0.77
1221800	Rock		0.35	<2	0.3	45.7	4.0	93	0.1	45.0	13.4	286	5.22	2.0	6.0	8.6	11	0.1	<0.1	0.1	103	0.07
1221801	Rock		0.94	10	1.2	1589	5.2	27	1.5	191.8	95.9	72	8.70	0.6	13.7	14.4	255	0.8	<0.1	0.8	10	5.75
1221802	Rock		0.70	<2	0.6	27.1	6.8	97	<0.1	43.9	13.1	619	5.60	<0.5	<0.5	8.3	9	0.1	<0.1	<0.1	88	0.02
1221803	Rock		0.56	<2	1.9	40.3	3.0	56	<0.1	37.5	13.2	244	3.22	8.8	0.6	13.3	7	<0.1	<0.1	<0.1	61	0.02
1221804	Rock		0.49	21	1.1	60.0	13.9	55	0.2	17.9	8.9	279	3.97	251.3	22.9	9.4	16	<0.1	<0.1	0.5	41	0.11

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Project: LUG+TS
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS WHI11001082.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
1204339	Rock		0.028	32	2	0.46	61	0.002	<20	1.17	0.020	0.03	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	8	<0.2
1204340	Rock		0.008	15	4	<0.01	211	<0.001	<20	0.15	0.004	0.08	5.9	0.05	0.2	0.07	0.3	0.5	1	<0.2
1204341	Rock		0.004	5	1	<0.01	520	<0.001	<20	0.10	0.002	0.02	0.1	0.03	<0.1	0.18	<0.1	0.8	<1	<0.2
1204342	Rock		0.015	30	<1	0.02	283	0.001	<20	0.44	0.026	0.27	0.2	<0.01	0.1	0.21	0.2	<0.5	1	<0.2
1204343	Rock		0.008	8	8	0.17	10	0.001	<20	0.50	0.018	0.01	<0.1	0.01	<0.1	<0.05	0.8	<0.5	1	<0.2
1204344	Rock		0.056	17	442	3.56	266	0.041	<20	3.38	0.034	0.26	<0.1	<0.01	0.2	<0.05	11.6	0.9	10	<0.2
1204345	Rock		0.019	9	7	0.27	13	0.001	<20	0.46	0.040	0.01	<0.1	0.01	<0.1	<0.05	1.0	<0.5	1	<0.2
1204346	Rock		0.015	8	7	0.13	13	0.001	<20	0.30	0.013	0.02	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	1	<0.2
1204347	Rock		0.023	5	7	0.41	9	0.001	<20	0.68	0.031	0.02	<0.1	0.02	<0.1	<0.05	1.6	<0.5	1	<0.2
1204348	Rock		0.014	34	<1	0.03	173	<0.001	<20	0.45	0.028	0.24	<0.1	<0.01	0.1	0.06	0.3	0.6	1	<0.2
1204349	Rock		0.043	14	3	0.02	9	0.002	<20	0.15	0.011	0.02	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
1204350	Rock		0.016	21	1	0.07	221	0.012	<20	0.65	0.095	0.16	0.6	0.13	<0.1	0.19	0.4	0.5	3	<0.2
1222151	Rock		0.016	21	2	0.07	125	0.014	<20	0.66	0.102	0.16	1.4	0.20	<0.1	0.35	0.3	<0.5	3	<0.2
1222152	Rock		0.042	9	11	0.38	246	0.052	<20	0.91	0.055	0.41	4.3	<0.01	0.3	0.10	1.4	<0.5	4	<0.2
1222153	Rock		0.009	4	9	0.87	66	0.004	<20	1.52	0.002	0.03	<0.1	0.03	<0.1	<0.05	2.0	<0.5	5	<0.2
1222154	Rock		0.008	12	7	0.15	102	0.001	<20	0.42	0.015	0.09	<0.1	<0.01	0.1	0.06	0.8	<0.5	1	<0.2
1222155	Rock		0.013	18	3	0.05	496	<0.001	<20	0.35	0.002	0.17	<0.1	0.02	0.3	0.08	1.0	0.6	<1	<0.2
1222156	Rock		0.011	5	8	0.11	33	0.018	<20	0.65	0.039	0.04	<0.1	0.03	<0.1	<0.05	0.6	<0.5	2	<0.2
1222157	Rock		0.011	4	1	<0.01	12	0.001	<20	0.21	0.049	0.17	0.3	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
1222158	Rock		0.011	25	61	0.80	129	0.091	<20	2.77	0.018	0.82	0.1	<0.01	0.8	0.15	5.8	<0.5	9	<0.2
1222159	Rock		<0.001	<1	<1	<0.01	3	<0.001	<20	0.03	0.003	<0.01	<0.1	0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
1222160	Rock		0.027	20	16	0.55	54	0.004	<20	1.24	0.021	0.17	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	4	<0.2
1222161	Rock		0.010	4	9	1.14	14	0.005	<20	1.96	<0.001	0.04	<0.1	<0.01	<0.1	<0.05	1.0	<0.5	6	<0.2
1222162	Rock		0.025	15	<1	0.58	53	0.015	<20	1.39	0.009	0.14	<0.1	0.04	0.1	<0.05	1.3	<0.5	4	<0.2
1222163	Rock		0.018	8	17	0.32	26	0.026	<20	1.65	0.034	0.10	0.2	<0.01	<0.1	<0.05	2.6	<0.5	5	<0.2
1221800	Rock		0.032	26	82	0.67	217	0.348	<20	3.30	0.055	1.52	1.4	<0.01	1.5	0.13	13.2	<0.5	13	<0.2
1221801	Rock		0.194	39	13	0.06	13	0.066	<20	8.96	0.287	0.03	8.5	<0.01	<0.1	3.05	0.6	10.4	27	0.6
1221802	Rock		0.007	23	71	1.08	223	0.422	<20	3.53	0.032	2.10	1.4	<0.01	1.7	0.07	14.0	<0.5	15	<0.2
1221803	Rock		0.006	27	52	0.72	71	0.118	<20	2.91	0.052	0.75	0.4	<0.01	0.7	0.10	7.9	<0.5	10	<0.2
1221804	Rock		0.070	19	40	0.74	155	0.083	<20	1.89	0.029	0.86	0.4	<0.01	1.0	0.12	2.8	<0.5	6	<0.2

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Project: LUG+TS
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS WHI11001082.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1221805	Rock	2.06	<2	0.8	342.6	2.2	24	0.4	19.5	17.2	101	1.78	0.9	1.4	7.9	172	0.2	<0.1	0.2	5	4.43
1221806	Rock	0.68	<2	0.4	138.3	4.8	26	<0.1	9.3	20.9	88	2.40	5.4	1.3	3.1	17	0.1	<0.1	0.2	4	0.10
1221807	Rock	0.78	<2	0.2	19.3	8.4	94	<0.1	16.5	4.0	140	1.92	11.5	<0.5	12.9	43	1.1	0.1	0.8	22	0.60
1221808	Rock	1.04	<2	0.6	21.9	4.3	20	<0.1	20.0	3.2	98	1.08	7.2	2.2	8.2	54	0.2	<0.1	1.0	13	0.27
1221809	Rock	0.97	28	0.4	64.1	4.3	47	<0.1	19.1	6.1	232	2.65	15.8	37.1	7.6	12	0.2	<0.1	3.8	31	0.13
1221810	Rock	1.21	6	0.3	20.3	3.6	39	<0.1	13.7	4.1	168	1.85	19.5	1.4	14.7	5	0.2	0.3	0.9	22	0.03
1221811	Rock	0.80	<2	0.3	7.4	1.9	46	<0.1	25.1	10.1	256	2.86	14.7	1.8	13.0	9	0.2	0.1	0.3	35	0.06
1221812	Rock	0.62	<2	0.2	3.1	1.7	7	<0.1	4.9	2.4	135	0.43	21.4	1.7	2.3	2	<0.1	0.2	<0.1	<2	0.01
1221813	Rock	0.71	3	0.2	7.7	52.3	60	0.1	15.7	4.2	417	0.84	24.0	1.9	5.7	6	0.5	0.3	<0.1	2	0.23
1221814	Rock	0.58	<2	0.2	2.4	9.4	13	<0.1	6.7	1.9	218	0.48	40.5	<0.5	1.0	2	<0.1	0.2	<0.1	<2	0.04
1221815	Rock	0.98	<2	0.3	19.3	81.4	33	0.2	11.2	3.2	185	1.77	1.7	0.7	7.9	13	<0.1	<0.1	1.0	4	0.13
1221816	Rock	1.53	<2	0.3	12.9	9.2	23	<0.1	6.2	2.5	101	1.39	1.2	<0.5	4.3	5	<0.1	<0.1	0.1	3	0.03
1221817	Rock	1.27	<2	0.2	39.6	55.7	64	0.4	21.8	8.3	223	2.38	5.4	<0.5	1.9	16	<0.1	0.2	1.9	5	0.27
1221818	Rock	0.46	<2	0.2	4.0	9.6	10	<0.1	12.8	5.0	434	0.59	1.3	<0.5	1.3	9	<0.1	<0.1	<0.1	<2	0.11
1221819	Rock	1.08	648	0.5	66.7	3.7	43	0.5	17.4	13.2	277	2.79	>10000	663.2	6.9	21	0.5	2.5	1.1	24	0.06
1221820	Rock	1.09	3	0.3	1.4	14.0	33	<0.1	1.5	1.8	293	1.22	23.4	1.1	26.6	4	<0.1	<0.1	0.3	10	0.10
1221821	Rock	2.14	3	0.4	18.5	48.0	841	<0.1	15.4	7.2	601	2.33	72.1	2.7	15.1	7	4.8	<0.1	0.3	11	0.04
1221822	Rock	1.03	4	0.4	21.3	8.6	52	0.1	32.0	11.3	357	3.27	13.1	1.6	18.4	100	<0.1	0.8	0.1	44	0.71
1221823	Rock	1.01	<2	0.2	22.1	2.6	11	0.1	3.1	6.6	172	0.78	60.5	0.6	1.5	2	<0.1	<0.1	<0.1	<2	0.02
1221824	Rock	0.58	<2	0.4	6.0	4.6	14	<0.1	2.9	2.8	467	0.79	5.8	0.6	0.9	3	<0.1	0.2	0.2	<2	0.04
1221825	Rock	1.33	<2	0.3	5.1	9.7	19	<0.1	8.9	4.1	145	0.91	4.9	<0.5	2.5	2	<0.1	0.2	0.1	2	0.02
1221826	Rock	0.53	<2	0.3	24.8	14.1	48	<0.1	13.2	5.9	189	1.81	4.5	<0.5	2.5	<1	<0.1	0.3	0.3	3	<0.01
1221827	Rock	0.61	<2	0.2	6.8	7.0	13	<0.1	6.9	2.6	310	0.79	4.9	<0.5	1.9	7	<0.1	0.3	<0.1	<2	0.29
1221828	Rock	1.70	<2	0.3	2.9	1.4	3	<0.1	1.1	0.5	52	0.52	5.0	<0.5	1.7	1	<0.1	0.2	<0.1	<2	<0.01
1221829	Rock	0.68	<2	0.3	4.2	5.0	15	<0.1	4.9	2.2	543	1.24	6.0	<0.5	0.9	5	<0.1	0.1	<0.1	<2	0.13
1221830	Rock	0.46	<2	0.4	9.4	31.3	20	<0.1	6.2	2.8	314	0.98	0.5	<0.5	7.9	8	<0.1	<0.1	0.3	2	0.08
1221831	Rock	0.71	<2	0.2	6.5	8.8	20	<0.1	6.7	2.9	130	0.93	2.3	0.9	5.8	4	<0.1	<0.1	<0.1	<2	0.03
1221832	Rock	0.46	<2	0.2	6.3	7.8	7	<0.1	5.5	1.6	272	0.65	21.6	<0.5	1.5	3	<0.1	0.7	<0.1	<2	<0.01
1221833	Rock	1.57	<2	0.2	3.2	9.7	6	<0.1	2.8	1.2	108	0.45	2.0	0.7	6.1	11	<0.1	0.5	<0.1	<2	0.25
1221834	Rock	1.95	4	0.2	11.8	4.8	7	<0.1	4.0	1.5	258	0.65	1.0	2.9	6.0	118	<0.1	<0.1	<0.1	<2	1.63

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CERTIFICATE OF ANALYSIS WHI11001082.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
1221805	Rock		0.076	24	7	0.02	7	0.066	<20	6.13	0.159	<0.01	20.3	0.03	<0.1	1.15	0.3	3.4	18	<0.2
1221806	Rock		0.009	4	7	0.14	32	0.012	<20	<0.01	0.011	0.07	<0.1	<0.01	<0.1	1.00	0.4	0.6	1	<0.2
1221807	Rock		0.074	20	25	0.38	48	0.053	<20	1.75	0.104	0.34	0.2	<0.01	0.4	<0.05	2.6	<0.5	6	<0.2
1221808	Rock		0.042	22	17	0.32	74	0.034	<20	1.23	0.059	0.32	0.1	0.01	0.5	<0.05	2.1	<0.5	4	<0.2
1221809	Rock		0.063	18	33	0.71	131	0.119	<20	1.75	0.019	0.81	0.4	0.01	0.7	<0.05	3.8	<0.5	6	0.3
1221810	Rock		0.007	18	24	0.43	61	0.067	<20	1.15	0.019	0.42	0.2	<0.01	0.7	<0.05	2.2	<0.5	5	<0.2
1221811	Rock		0.021	35	43	0.67	112	0.032	<20	1.83	0.014	0.55	<0.1	0.01	0.7	<0.05	3.9	<0.5	6	<0.2
1221812	Rock		0.005	6	2	0.04	11	0.001	<20	0.10	0.004	0.02	<0.1	<0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1221813	Rock		0.015	15	4	0.20	28	0.001	<20	0.38	0.011	0.07	<0.1	<0.01	<0.1	<0.05	0.8	<0.5	1	<0.2
1221814	Rock		0.011	3	2	0.03	12	<0.001	<20	0.08	0.006	<0.01	<0.1	0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1221815	Rock		0.076	29	7	0.28	37	0.002	<20	0.76	0.009	0.14	<0.1	<0.01	<0.1	<0.05	1.0	<0.5	2	0.2
1221816	Rock		0.017	9	5	0.19	18	0.001	<20	0.51	0.012	0.07	<0.1	0.01	<0.1	<0.05	0.7	<0.5	2	<0.2
1221817	Rock		0.136	6	5	0.51	17	0.003	<20	1.07	0.008	0.06	<0.1	<0.01	<0.1	<0.05	1.3	<0.5	3	0.4
1221818	Rock		0.054	3	3	0.02	15	<0.001	<20	0.09	0.005	0.02	<0.1	0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1221819	Rock		0.008	14	24	0.63	91	0.052	<20	1.45	0.044	0.50	<0.1	0.02	0.4	0.57	4.3	0.9	5	0.3
1221820	Rock		0.049	25	3	0.20	29	0.003	<20	0.62	0.045	0.13	0.9	<0.01	0.3	<0.05	2.2	<0.5	5	<0.2
1221821	Rock		0.026	17	18	0.40	66	0.006	<20	0.97	0.020	0.19	<0.1	<0.01	0.1	<0.05	1.3	<0.5	4	<0.2
1221822	Rock		0.094	13	43	0.92	50	0.095	<20	2.54	0.153	0.22	0.3	<0.01	<0.1	<0.05	4.8	0.5	10	<0.2
1221823	Rock		0.007	2	3	0.06	23	<0.001	<20	0.17	0.014	0.01	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
1221824	Rock		0.019	1	2	0.10	21	0.001	<20	0.24	0.004	0.01	<0.1	0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
1221825	Rock		0.008	4	6	0.14	12	0.001	<20	0.35	0.030	0.03	<0.1	<0.01	<0.1	<0.05	0.5	<0.5	1	<0.2
1221826	Rock		0.002	3	3	0.26	9	0.001	<20	0.57	0.003	0.02	<0.1	0.03	<0.1	<0.05	1.0	<0.5	2	0.2
1221827	Rock		0.004	3	2	0.02	16	<0.001	<20	0.05	0.010	0.01	<0.1	0.02	<0.1	<0.05	0.5	<0.5	<1	<0.2
1221828	Rock		0.003	3	2	<0.01	17	<0.001	<20	0.06	0.007	0.04	<0.1	0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
1221829	Rock		0.013	2	3	0.09	52	<0.001	<20	0.15	0.017	<0.01	<0.1	<0.01	<0.1	<0.05	1.1	<0.5	<1	<0.2
1221830	Rock		0.008	16	4	0.15	56	0.002	<20	0.45	0.015	0.12	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	1	<0.2
1221831	Rock		0.008	15	3	0.02	34	<0.001	<20	0.17	0.021	0.09	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
1221832	Rock		0.003	3	3	<0.01	27	<0.001	<20	0.06	0.004	0.04	<0.1	0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1221833	Rock		0.007	15	2	0.02	46	0.001	<20	0.13	0.013	0.12	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
1221834	Rock		0.010	8	3	0.05	59	<0.001	<20	0.14	0.016	0.05	<0.1	<0.01	<0.1	<0.05	0.5	<0.5	<1	<0.2

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	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1221835	Rock	2.08	6	0.2	285.5	811.0	60	0.3	2.5	1.1	2378	0.68	1.1	6.8	3.1	498	0.2	0.3	<0.1	<2	7.12
1221836	Rock	1.78	<2	0.3	38.4	9.0	27	<0.1	8.8	4.1	105	1.22	3.3	<0.5	10.1	41	<0.1	0.7	0.1	3	0.20
1221837	Rock	0.98	3	0.2	18.3	57.0	45	0.1	50.9	20.6	349	1.68	4.2	0.5	8.9	56	<0.1	0.3	0.5	5	0.31
1221838	Rock	0.91	4	0.3	18.1	25.2	40	<0.1	11.8	5.4	266	1.84	0.8	<0.5	7.9	31	<0.1	3.9	0.2	3	0.34
1221839	Rock	1.21	16	0.4	3.9	62.8	123	0.2	7.7	2.7	61	0.98	130.4	20.3	7.2	8	0.4	19.8	<0.1	<2	0.03
1221840	Rock	0.76	<2	0.2	6.4	8.8	20	<0.1	7.8	3.3	542	1.12	3.6	0.7	7.1	34	0.1	0.5	<0.1	3	0.74
1221841	Rock	1.62	<2	0.2	8.7	10.3	27	<0.1	11.4	4.8	279	1.57	2.5	<0.5	8.9	45	<0.1	0.3	<0.1	5	0.47
1221842	Rock	1.23	<2	0.2	27.7	80.4	192	0.2	1.3	0.4	21	0.47	0.8	1.1	0.4	<1	0.4	<0.1	0.7	<2	<0.01
1221843	Rock	0.78	<2	0.2	14.7	2.7	7	<0.1	4.8	1.0	64	0.50	6.0	0.8	<0.1	<1	<0.1	0.2	0.1	<2	<0.01
1221844	Rock	1.45	<2	0.4	22.3	411.7	20	3.7	6.7	5.7	158	2.40	191.2	1.2	0.4	<1	0.2	0.6	2.5	<2	0.01
1221845	Rock	0.97	<2	0.2	2.4	<0.1	2	<0.1	1.1	0.4	35	0.38	2.9	<0.5	0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
1221846	Rock	1.19	<2	0.2	3.9	50.2	8	0.2	2.7	1.1	320	0.64	1.9	<0.5	2.8	7	<0.1	0.2	0.7	<2	0.24
1221847	Rock	0.47	<2	0.2	44.4	84.1	10	0.2	10.2	3.1	68	0.52	3.3	0.6	1.0	6	<0.1	1.1	0.6	<2	0.10
1221848	Rock	0.91	<2	0.2	3.2	4.3	73	<0.1	17.7	7.1	445	2.95	0.9	<0.5	0.8	10	<0.1	0.5	<0.1	8	0.20
1221849	Rock	1.35	<2	0.1	11.5	9.5	26	<0.1	8.1	4.3	1152	1.44	3.4	<0.5	2.6	297	0.2	0.3	0.1	6	3.78
1221850	Rock	0.84	<2	0.2	16.8	18.1	72	<0.1	10.0	6.5	227	2.99	4.5	<0.5	13.5	6	<0.1	0.1	0.2	9	0.05
1222701	Rock	0.84	<2	0.2	40.3	8.8	71	0.1	33.3	16.0	344	3.36	17.6	0.7	12.1	13	<0.1	<0.1	0.3	32	0.13
1222702	Rock	2.87	<2	0.6	45.2	8.0	70	<0.1	34.4	16.3	578	3.77	8.3	0.6	9.1	14	0.1	<0.1	0.9	20	0.07
1220620	Rock	0.55	<2	<0.1	1.0	4.9	67	<0.1	1.2	1.2	141	0.87	0.7	<0.5	28.8	7	<0.1	<0.1	0.2	6	0.07
1220621	Rock	1.21	<2	1.3	5.0	3.7	72	<0.1	4.4	6.8	521	3.05	2.3	1.3	10.2	156	<0.1	<0.1	0.7	59	1.65
1220622	Rock	1.62	<2	0.2	13.7	4.6	40	<0.1	28.5	9.8	246	2.25	28.9	0.5	12.7	10	0.1	<0.1	0.3	29	0.15
1220623	Rock	1.70	<2	0.5	3.8	21.9	24	<0.1	4.8	2.2	371	0.80	1.4	<0.5	1.6	7	0.4	0.1	<0.1	<2	0.11
1220624	Rock	1.12	<2	0.2	11.4	17.4	23	0.2	3.1	1.5	120	1.87	7.5	29.1	4.0	9	<0.1	0.2	0.3	5	<0.01
1220625	Rock	0.88	<2	0.2	19.0	8.8	55	<0.1	8.1	3.8	273	3.01	4.2	0.5	7.6	7	<0.1	0.2	0.1	8	<0.01
1220626	Rock	1.56	<2	1.8	32.4	5.6	87	0.1	7.6	11.8	568	3.79	1.6	0.8	9.0	173	0.2	<0.1	<0.1	94	1.56
1220627	Rock	1.20	<2	1.7	18.8	9.6	78	<0.1	4.7	6.9	489	3.07	6.8	0.6	13.6	112	0.2	0.2	<0.1	48	0.91
1220628	Rock	1.61	<2	0.4	30.6	7.2	18	<0.1	1.9	0.9	27	3.74	44.8	2.3	4.8	2	<0.1	0.4	0.2	5	<0.01
1220629	Rock	1.56	<2	0.3	15.7	37.0	35	0.4	0.7	0.4	186	0.77	186.4	<0.5	13.4	8	0.5	0.2	0.5	<2	0.05
1220630	Rock	1.63	<2	0.1	6.4	2.4	11	<0.1	9.3	4.2	239	0.71	4.8	<0.5	3.9	2	<0.1	0.2	<0.1	2	0.01
1220631	Rock	0.99	<2	0.2	58.6	10.3	102	<0.1	57.1	17.3	250	4.81	15.9	<0.5	15.0	9	<0.1	<0.1	0.2	52	0.09

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Project: LUG+TS
Report Date: October 03, 2011

CERTIFICATE OF ANALYSIS WHI11001082.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
		Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
1221835	Rock		0.003	6	3	0.11	20	<0.001	<20	0.17	0.017	0.03	<0.1	0.05	<0.1	<0.05	0.7	1.0	<1	<0.2
1221836	Rock		0.013	16	9	0.19	65	0.002	<20	0.49	0.023	0.14	<0.1	0.01	<0.1	<0.05	0.8	<0.5	1	<0.2
1221837	Rock		0.020	20	8	0.33	70	0.007	<20	0.86	0.020	0.25	<0.1	0.01	<0.1	<0.05	1.2	<0.5	2	<0.2
1221838	Rock		0.038	12	7	0.14	25	0.003	<20	0.24	0.041	0.07	<0.1	0.01	<0.1	0.15	0.7	<0.5	<1	<0.2
1221839	Rock		0.006	17	2	0.02	50	0.001	<20	0.23	0.006	0.18	0.3	<0.01	<0.1	<0.05	0.6	<0.5	<1	<0.2
1221840	Rock		0.008	15	5	0.10	35	<0.001	<20	0.31	0.021	0.08	<0.1	0.05	<0.1	<0.05	0.8	<0.5	<1	<0.2
1221841	Rock		0.010	19	9	0.23	38	0.002	<20	0.55	0.029	0.11	<0.1	<0.01	<0.1	<0.05	1.2	<0.5	2	<0.2
1221842	Rock		0.006	5	1	<0.01	10	<0.001	<20	0.05	0.003	0.03	<0.1	0.58	<0.1	<0.05	0.1	<0.5	<1	<0.2
1221843	Rock		0.002	<1	2	0.06	2	<0.001	<20	0.13	0.003	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
1221844	Rock		0.007	<1	3	<0.01	5	<0.001	<20	0.06	0.002	<0.01	<0.1	0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1221845	Rock		0.002	<1	2	<0.01	2	<0.001	<20	0.03	0.003	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
1221846	Rock		0.019	4	4	0.03	5	<0.001	<20	0.08	0.033	<0.01	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
1221847	Rock		0.036	3	3	<0.01	11	<0.001	<20	0.05	0.006	0.02	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
1221848	Rock		0.002	<1	5	0.60	6	0.003	<20	1.24	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	0.7	<0.5	4	<0.2
1221849	Rock		0.013	5	11	0.28	55	0.002	<20	0.57	0.026	0.03	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	2	<0.2
1221850	Rock		0.020	26	15	0.58	82	0.004	<20	1.27	0.010	0.27	<0.1	<0.01	<0.1	<0.05	0.8	<0.5	4	<0.2
1222701	Rock		0.032	30	38	0.86	141	0.051	<20	2.03	0.031	0.57	<0.1	<0.01	0.2	<0.05	2.9	<0.5	7	<0.2
1222702	Rock		0.030	28	21	0.57	156	0.021	<20	1.99	0.019	0.24	<0.1	<0.01	0.2	<0.05	1.6	<0.5	5	<0.2
1220620	Rock		0.025	30	<1	0.13	37	0.024	<20	0.50	0.031	0.17	6.1	<0.01	0.2	<0.05	0.8	<0.5	5	<0.2
1220621	Rock		0.087	25	26	1.01	711	0.201	<20	3.38	0.275	0.67	<0.1	<0.01	0.6	0.09	3.8	<0.5	12	<0.2
1220622	Rock		0.018	23	31	0.62	88	0.104	<20	1.43	0.024	0.48	0.2	<0.01	0.3	<0.05	2.5	<0.5	6	<0.2
1220623	Rock		0.029	3	6	0.07	11	0.001	<20	0.17	0.032	0.02	<0.1	<0.01	<0.1	<0.05	0.5	<0.5	<1	<0.2
1220624	Rock		0.023	6	9	0.22	19	0.003	<20	0.49	0.016	0.04	<0.1	<0.01	<0.1	<0.05	0.6	<0.5	2	<0.2
1220625	Rock		0.016	20	14	0.61	42	0.002	<20	1.39	0.010	0.13	<0.1	<0.01	<0.1	<0.05	0.7	<0.5	4	<0.2
1220626	Rock		0.128	24	53	1.44	1373	0.297	<20	3.41	0.231	0.97	0.1	<0.01	0.5	0.13	3.6	1.2	10	<0.2
1220627	Rock		0.089	33	18	0.90	1324	0.289	<20	2.64	0.205	1.06	0.2	<0.01	0.7	<0.05	3.6	1.1	9	<0.2
1220628	Rock		0.017	9	5	0.03	19	<0.001	<20	0.31	0.006	0.09	<0.1	<0.01	<0.1	<0.05	0.5	1.2	2	<0.2
1220629	Rock		0.014	28	<1	0.01	175	<0.001	<20	0.32	0.029	0.24	0.1	<0.01	0.1	<0.05	0.1	<0.5	<1	<0.2
1220630	Rock		0.007	9	6	0.10	20	<0.001	<20	0.28	0.015	0.04	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
1220631	Rock		0.053	44	47	1.10	185	0.157	<20	3.15	0.015	1.20	<0.1	<0.01	0.8	<0.05	5.0	<0.5	9	<0.2

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Report Date: October 03, 2011

QUALITY CONTROL REPORT WHI11001082.1

	Method	WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1204345	Rock	2.29	4	0.4	15.2	81.1	84	0.3	27.0	17.5	565	1.47	5.4	0.8	4.6	3	0.8	0.2	0.1	3	0.04
REP 1204345	QC		5																		
1221805	Rock	2.06	<2	0.8	342.6	2.2	24	0.4	19.5	17.2	101	1.78	0.9	1.4	7.9	172	0.2	<0.1	0.2	5	4.43
REP 1221805	QC			0.8	340.9	2.1	24	0.4	19.1	16.7	101	1.78	0.6	1.9	7.6	165	0.2	<0.1	0.1	5	4.41
1221840	Rock	0.76	<2	0.2	6.4	8.8	20	<0.1	7.8	3.3	542	1.12	3.6	0.7	7.1	34	0.1	0.5	<0.1	3	0.74
REP 1221840	QC			0.2	5.8	8.3	20	<0.1	7.9	3.3	544	1.10	3.7	<0.5	6.9	34	<0.1	0.5	<0.1	3	0.74
1221846	Rock	1.19	<2	0.2	3.9	50.2	8	0.2	2.7	1.1	320	0.64	1.9	<0.5	2.8	7	<0.1	0.2	0.7	<2	0.24
REP 1221846	QC		<2																		
1221849	Rock	1.35	<2	0.1	11.5	9.5	26	<0.1	8.1	4.3	1152	1.44	3.4	<0.5	2.6	297	0.2	0.3	0.1	6	3.78
REP 1221849	QC			0.2	11.3	9.4	26	<0.1	8.0	4.4	1130	1.41	3.6	<0.5	2.5	297	0.2	0.3	<0.1	6	3.70
Core Reject Duplicates																					
1222157	Rock	1.66	<2	0.2	5.5	24.4	6	<0.1	0.7	0.3	39	0.47	18.5	0.6	9.4	4	<0.1	<0.1	<0.1	<2	0.02
DUP 1222157	QC		<2	0.2	5.4	23.8	6	<0.1	0.6	0.3	36	0.46	6.0	0.7	9.7	4	<0.1	<0.1	<0.1	<2	0.02
1221828	Rock	1.70	<2	0.3	2.9	1.4	3	<0.1	1.1	0.5	52	0.52	5.0	<0.5	1.7	1	<0.1	0.2	<0.1	<2	<0.01
DUP 1221828	QC		<2	0.3	2.3	1.6	4	<0.1	2.1	0.7	63	0.57	3.4	0.7	1.8	1	<0.1	0.1	<0.1	<2	<0.01
1220630	Rock	1.63	<2	0.1	6.4	2.4	11	<0.1	9.3	4.2	239	0.71	4.8	<0.5	3.9	2	<0.1	0.2	<0.1	2	0.01
DUP 1220630	QC		<2	0.2	6.6	2.5	11	<0.1	9.5	4.3	234	0.73	3.9	<0.5	3.9	2	<0.1	0.2	<0.1	2	0.01
Reference Materials																					
STD DS8	Standard			14.0	117.2	136.1	328	1.9	39.8	8.0	655	2.64	31.5	116.7	7.3	71	2.4	4.7	7.6	45	0.76
STD DS8	Standard			14.5	109.0	117.0	318	1.8	42.1	8.7	647	2.57	27.8	132.7	6.4	61	2.5	4.3	6.4	43	0.73
STD DS8	Standard			13.5	104.0	113.9	297	1.9	37.3	7.6	606	2.43	26.4	162.0	5.9	60	2.4	4.0	5.7	41	0.69
STD OREAS45CA	Standard			0.8	533.5	21.5	61	0.2	247.5	88.8	933	15.47	4.5	43.2	7.4	15	<0.1	<0.1	0.2	202	0.43
STD OREAS45CA	Standard			1.0	530.8	20.6	58	0.3	259.4	95.5	925	16.69	3.9	39.4	6.5	14	<0.1	<0.1	0.2	216	0.43
STD OREAS45CA	Standard			0.9	513.1	19.4	58	0.3	249.1	89.4	925	16.26	3.8	43.6	6.4	15	<0.1	0.1	0.2	206	0.41
STD OXC88	Standard		206																		
STD OXC88	Standard		200																		
STD OXC88	Standard		194																		
STD OXC88	Standard		198																		

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QUALITY CONTROL REPORT WHI11001082.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
Pulp Duplicates																			
1204345	Rock	0.019	9	7	0.27	13	0.001	<20	0.46	0.040	0.01	<0.1	0.01	<0.1	<0.05	1.0	<0.5	1	<0.2
REP 1204345	QC																		
1221805	Rock	0.076	24	7	0.02	7	0.066	<20	6.13	0.159	<0.01	20.3	0.03	<0.1	1.15	0.3	3.4	18	<0.2
REP 1221805	QC	0.073	22	8	0.02	7	0.063	<20	6.05	0.158	<0.01	20.3	0.01	<0.1	1.13	0.3	3.5	17	<0.2
1221840	Rock	0.008	15	5	0.10	35	<0.001	<20	0.31	0.021	0.08	<0.1	0.05	<0.1	<0.05	0.8	<0.5	<1	<0.2
REP 1221840	QC	0.008	16	5	0.10	35	<0.001	<20	0.31	0.019	0.08	<0.1	0.03	<0.1	<0.05	0.9	<0.5	1	<0.2
1221846	Rock	0.019	4	4	0.03	5	<0.001	<20	0.08	0.033	<0.01	<0.1	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
REP 1221846	QC																		
1221849	Rock	0.013	5	11	0.28	55	0.002	<20	0.57	0.026	0.03	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	2	<0.2
REP 1221849	QC	0.012	5	11	0.27	57	0.002	<20	0.56	0.024	0.03	<0.1	<0.01	<0.1	<0.05	0.9	<0.5	2	<0.2
Core Reject Duplicates																			
1222157	Rock	0.011	4	1	<0.01	12	0.001	<20	0.21	0.049	0.17	0.3	<0.01	<0.1	<0.05	0.4	<0.5	<1	<0.2
DUP 1222157	QC	0.012	4	1	<0.01	10	0.001	<20	0.20	0.044	0.15	0.4	0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
1221828	Rock	0.003	3	2	<0.01	17	<0.001	<20	0.06	0.007	0.04	<0.1	0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
DUP 1221828	QC	0.003	3	3	<0.01	20	<0.001	<20	0.08	0.007	0.05	<0.1	<0.01	<0.1	<0.05	0.2	<0.5	<1	<0.2
1220630	Rock	0.007	9	6	0.10	20	<0.001	<20	0.28	0.015	0.04	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
DUP 1220630	QC	0.008	9	6	0.10	20	<0.001	<20	0.29	0.015	0.03	<0.1	<0.01	<0.1	<0.05	0.3	<0.5	<1	<0.2
Reference Materials																			
STD DS8	Standard	0.085	17	123	0.65	314	0.119	<20	1.01	0.097	0.45	2.5	0.21	5.8	0.18	2.5	6.3	5	5.6
STD DS8	Standard	0.080	16	112	0.62	304	0.109	<20	0.95	0.092	0.43	2.6	0.21	5.7	0.18	2.1	4.6	5	4.8
STD DS8	Standard	0.080	13	115	0.60	300	0.100	<20	0.90	0.087	0.41	2.4	0.20	5.3	0.16	1.9	5.2	5	4.8
STD OREAS45CA	Standard	0.040	16	716	0.15	163	0.127	<20	3.94	0.015	0.08	<0.1	0.04	<0.1	<0.05	39.2	0.6	19	<0.2
STD OREAS45CA	Standard	0.038	17	814	0.13	172	0.128	<20	3.76	0.010	0.07	<0.1	0.04	<0.1	<0.05	37.0	<0.5	19	<0.2
STD OREAS45CA	Standard	0.039	16	718	0.14	172	0.124	<20	3.79	0.005	0.07	<0.1	0.03	<0.1	<0.05	35.3	0.6	19	<0.2
STD OXC88	Standard																		
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Acme Analytical Laboratories (Vancouver) Ltd.
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Phone (604) 253-3158 Fax (604) 253-1716
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Client: **Goldspike Exploration Inc.**
56th Floor - 100 King Street West
Toronto ON M5X 1C9 Canada

Project: LUG+TS
Report Date: October 03, 2011

QUALITY CONTROL REPORT WHI11001082.1

		WGHT	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
STD OXH82	Standard		1318																		
STD OXH82	Standard		1310																		
STD OXH82	Standard		1313																		
STD OXH82	Standard		1325																		
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265
BLK	Blank		<2																		
BLK	Blank		<2																		
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BLK	Blank		<2																		
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BLK	Blank		<2																		
BLK	Blank		<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank		<2	0.3	2.8	3.3	49	<0.1	3.0	4.5	586	2.08	1.3	2.7	5.5	60	<0.1	<0.1	<0.1	39	0.54
G1	Prep Blank		<2	0.2	2.3	3.2	48	<0.1	3.2	4.6	592	2.12	<0.5	1.1	4.8	57	<0.1	<0.1	<0.1	39	0.53

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		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.2
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	5.4	0.1679	2.3	5.23	4.7	5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	0.07	0.021	39.7	0.5	18.4	
BLK	Blank																		
BLK	Blank																		
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BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	<0.2
Prep Wash																			
G1	Prep Blank	0.075	13	5	0.52	190	0.123	<20	0.99	0.096	0.50	<0.1	<0.01	0.4	<0.05	1.9	<0.5	5	<0.2
G1	Prep Blank	0.075	12	5	0.53	178	0.121	<20	1.00	0.094	0.50	<0.1	<0.01	0.4	<0.05	1.9	<0.5	5	<0.2