

Geological and geochemical report on the Garnet/Topaz Claim

Whitehorse Mining District

NTS:
115G01

LAT: 61°11' LONG: 138°13'

CLAIMS

GARNET 1-56 (YD15645 – YD15700)

GARNET 57-80 (YD88503 – YD88526)

GARNET 81-190 (YD137077 – YD137186)

TOPAZ 1-12 (YD88527 – YD88538)

TOPAZ 17-74 (YD88543 – YD88600)

TOPAZ 75-80 (YD90024 – YD90029)

Dates of Work: July 6-11th, 2011

Ryan Gold Corp.

Author: Hua Jin

March 2012

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1. INTROCUCTION

1.1 Location and Access

The Garnet/Topaz claim is situated in the southwestern part of the Yukon Territory, about 180 km WNW of Whitehorse and east of Kluane Lake (Figure 1). The closest communities to the claim is Silver city which is located approximately 19km south to the claim and Destruction Bay located 32km NNW of the claim. The center of the claim is at latitude 61°11'N and longitude 138°13'W on NTS map sheet 115G01. Access to the Garnet/Topaz claim is by helicopter from the Destruction Bay. The access to the Garnet/Topaz claim in order to carry out 2011 exploration work was either by helicopter from Burwash landing or driving on the Alaska Highway and flying from a staging area directly west of the claim, near the Kluane Lake.

1.2 Claim Status and Ownership

The Garnet 1-190 claim, Topaz 1-12 and Topaz 17-84 claim were registered in the Whitehorse Mining District, 70% of which is owned by Ryan Gold Corp. and 30% owned by 45127 Yukon Inc. Detailed claim information and location of the claim block is shown in Figure 2. Claim tenure information is summarized in table 1 below:

Table 1. Claim tenure information

Claim	Grant Number	Expiry Date	Claim Owner
Garnet 1-56	YD15645 - YD15700	February 10, 2015	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%
Garnet 57-80	YD88503 - YD88526	February 10, 2014	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%
Garnet 81-190	YD137077 - YD137186	February 10, 2014	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%
Topaz 1-12	YD88527 - YD88538	February 10, 2014	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%
Topaz 17-74	YD88543 - YD88600	February 10, 2014	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%
Topaz 75-84	YD90024 - YD90029	February 10, 2014	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%

(Expiry date includes 2011 work filed for assessment.)

1.3 Topography, Vegetation and Climate

The area is characterized by rugged to rounded mountains with elevation ranging from 1000m at the valley bottom to 2000m at the ridge top. The vegetation is predominantly scrub grass at higher elevation with open spruce forest at the lower elevation. The area has a dry cold continental climate with generally warm summers, temperatures ranging between 10°C to 20 °C in the summer, and drops to -10°C to -30°C during the long cold winters. The exploration season typically runs from mid-June to late September.

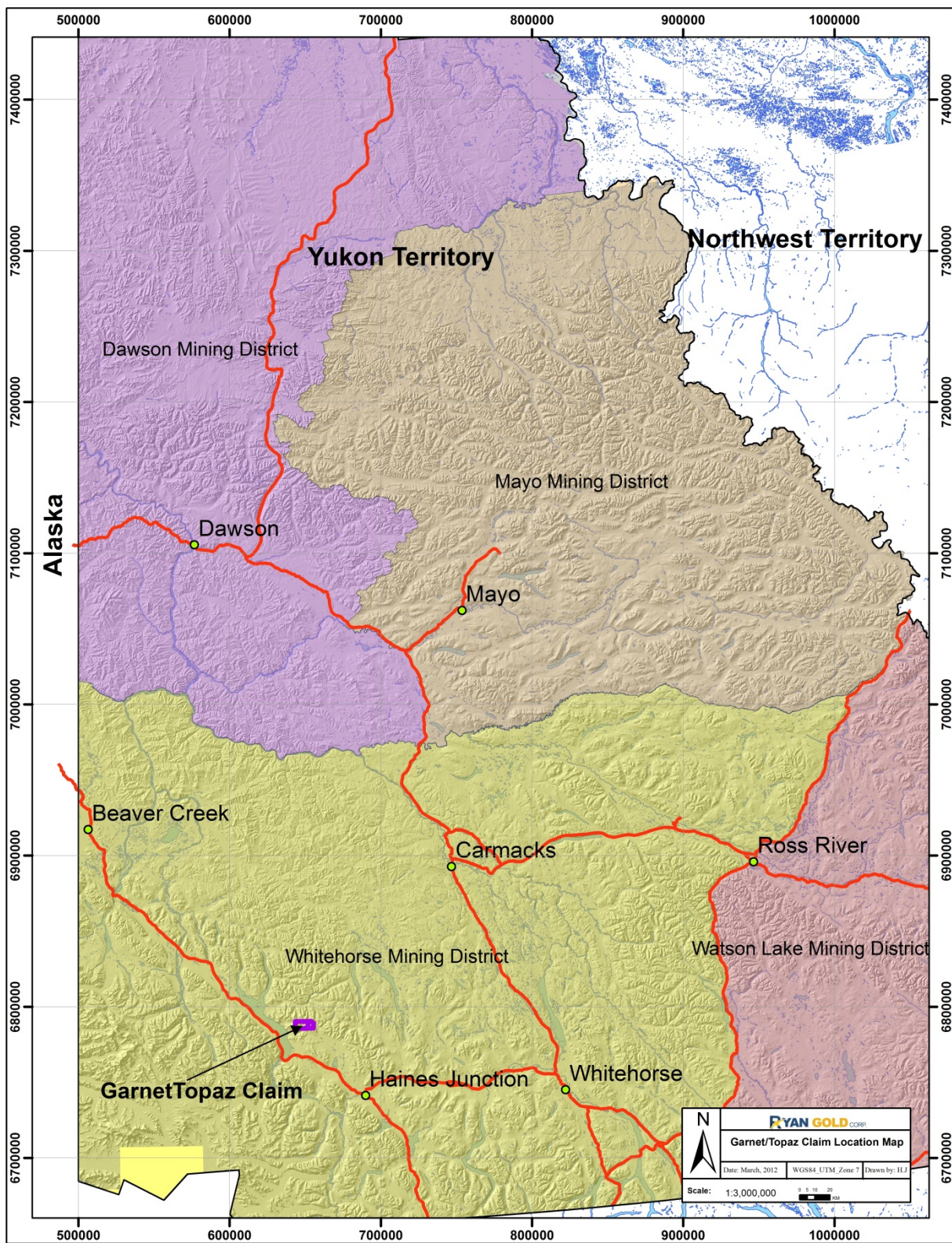


Figure 1. Claim Location Map

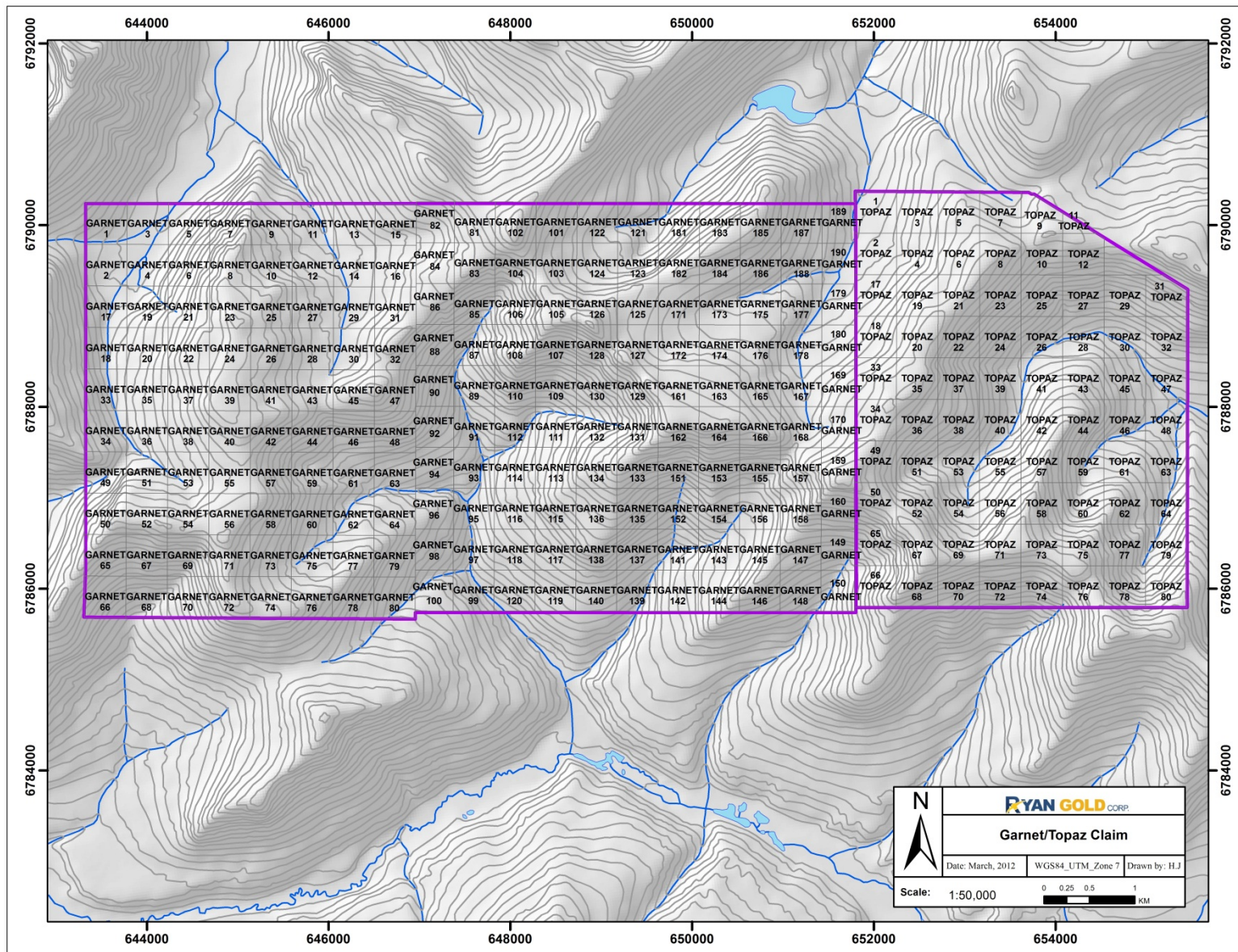


Figure 2. Garnet/Topaz Claim map

2. HISTORY AND PREVIOUS WORK

Little exploration work has been done in the area to systematically evaluate the area for mineral potential except some prospecting conducted by J.P. Ross to search for placer gold reserves near Gladstone Creek which is located about 10km north of the claim and Inlet Creek which is approximately 15km south of the claim. The best result from prospecting near Inlet Creek in 2005 and Gladstone Creek in 2006 was 267.19 g/t Au from a float rock sample containing quartz, limonite and galena near Gladstone Creek (Ross, 2005 & 2006).

3. 2011 WORK

GroundTruth Exploration Inc. of Dawson, Yukon Territory was contracted by Ryan Gold Corp. to carry out ridge and spur soil sampling program at Garnet/Topaz claim in 2011. A total of 946 soil samples were collected requiring 37 man days from July 6th to July 9th, 2011. In addition, 19 rock samples were collected by Ryan Gold Corp. geologists during two-day prospecting and reconnaissance mapping on July 10th and 11th. The soil and rock sample location is shown in Figure 3.

4. GEOLOGY

4.1 Regional Geology

The Garnet/Topaz claim is situated within southwestern Yukon Coast Belt. The most recent bedrock mapping in the area is completed by Israel et al (2010) at 1:50,000 scale along with 400m line spaced aeromagnetic survey. The regional geology of the area is primarily drawn from the Israel et al. (2010) and summarized as below.

The presence of a northwest-dipping stack has been indicated from the geophysics survey where the Kluane Schist occupies the lowest structural level and Yukon-Tanana Terrane the highest. Ruby Range batholith intruded along the contact of Kluane schist and Yukon-Tanana Terrane and further intruded the Yukon-Tanana Terrane which is defined as Rhyolite Creek volcano-plutonic complex unconformably overlying the Yukon-Tanana Terrane. An orthogneiss/paragneiss unit of unknown tectonic affinity was identified between the Ruby Range and Kluane schist.

The Yukon Tanana Terrane is composed of psammitic schist, quartzite, marble, garnet amphibolite with rare metaplutonic rock. Kluane Schist primarily consisted of biotite rich schist and muscovite rich schist with minor bodies of ultramafic and carbonates. The carbonates are light bluish grey weathering, medium to coarse grained and laterally discontinuous. It was foliated, metamorphosed and have a distinctive weathering appearance. Gneiss unit underlain by

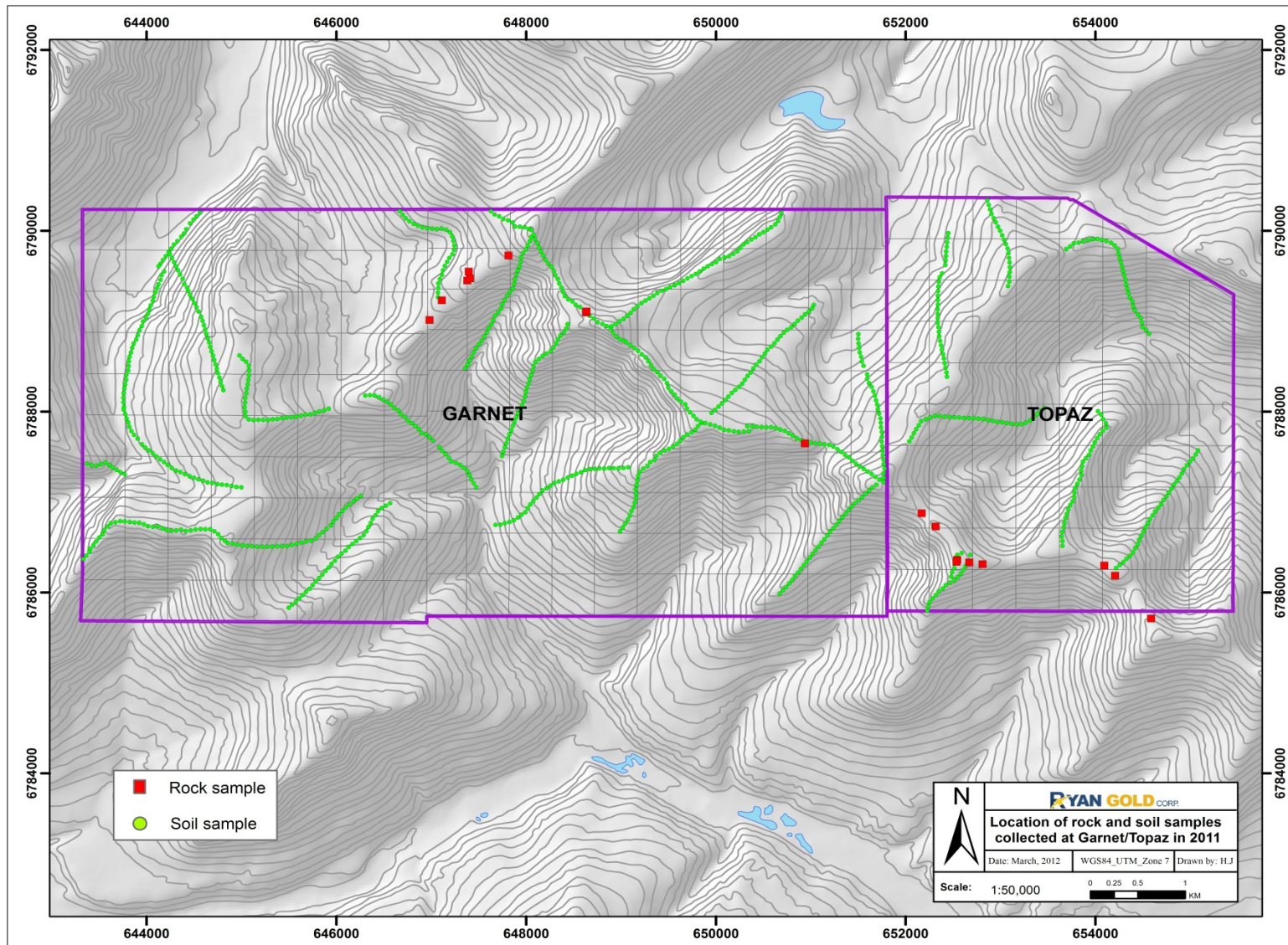


Figure 3. Location of rock and soil samples collected at Garnet/Topaz in 2011

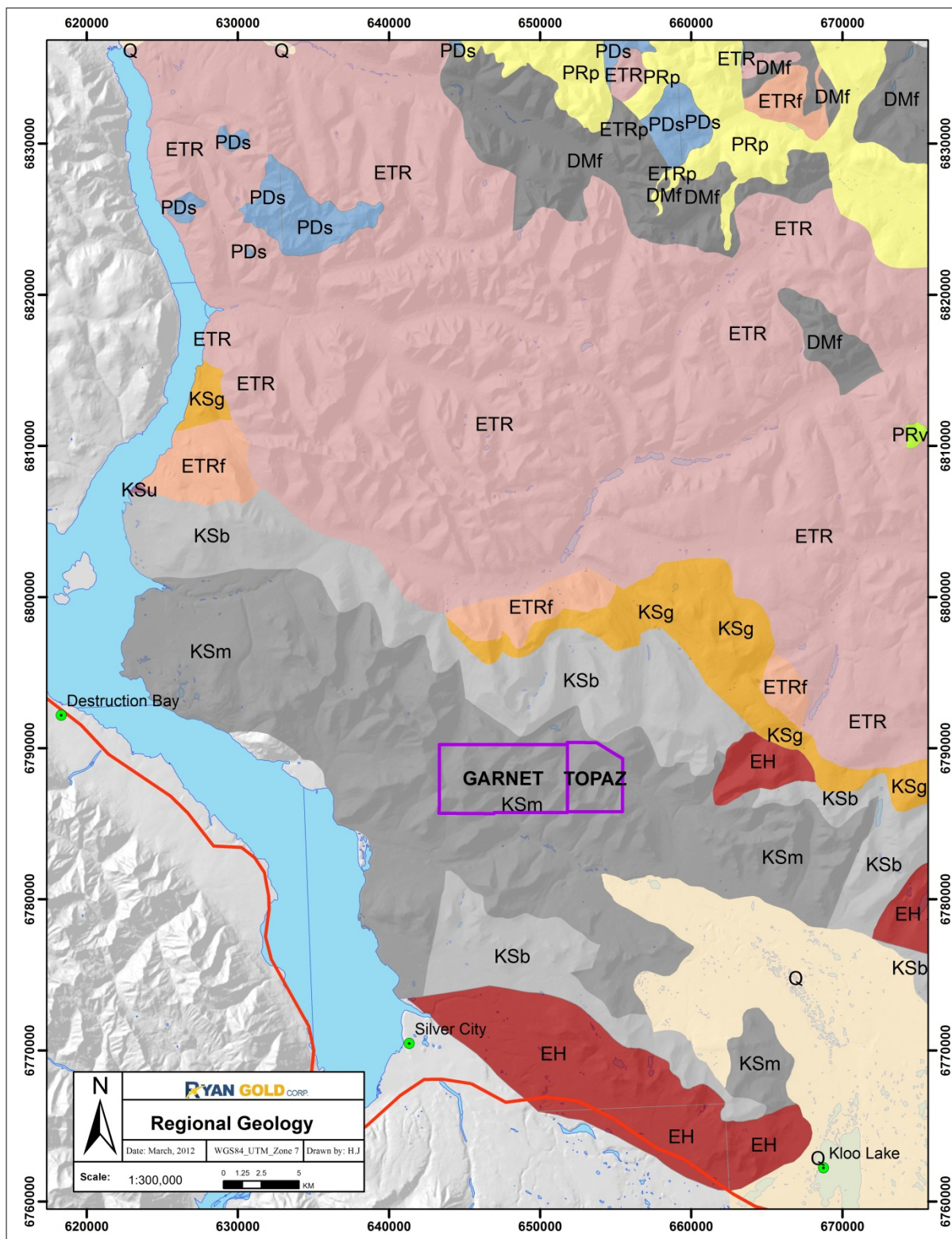


Figure 4. Regional Geology

the Kluane Schist is identified differently from the Kluane Schist by the leucocratic layers containing igneous appearing material rather than deformed quartz veins in the Kluane Schist. The Ruby Range Batholith composed of quartz diorite, tonalite and granodiorite with lesser amount of diorite, gabbro and granite. The Rhyolite Creek Volcano-Plutonic Complex being the youngest, porphyritic phase of the Ruby Range Batholith, comprises intermediate volcanic flow, breccia and tuff, flow banded Rhyolite and felsic tuff and rare mafic flow, tuff and breccia.

The southwest Yukon region is characterized by three fault bound domains including Yukon-Tanana Terrane, Gneiss unit and Kluane Schist, from highest structural level to lowest level. The intrusion of Ruby Range Batholith overprint the original structural contact between the Yukon Tanana Terrane, orthogneiss and Kluane Schist. It has been interpreted that two major deformation and metamorphism events occurred during the Pre Jurassic and Jurassic within the Yukon Tanana Terrane were responsible for the main northeast east dipping foliation. The northwest striking, northeast dipping foliation pervasive throughout the Kluane Schist is likely associated with the thrusting of Yukon-Tanana Terrane over Kluane Schist. The contact between orthogneiss and underlying Kluane schist is interpreted to be a north to northeast dipping shear zone.

4.2 Property Geology and Mineralization

Two days of reconnaissance mapping and prospecting was carried out along the main ridge at the Garnet/Topaz claim in 2011. The claim block was predominated by grey to dark grey biotite schist containing iron stained quartz veins parallel to the foliation with minor muscovite rich schist. Mineralization was difficult to identify as only iron oxide is present in the vuggy quartz vein and biotite schist outcropping on the surface. Locally weak chloritic alteration was identified in the schist.

The main foliation in the biotite schist in the area is generally dipping north and striking in a southwesterly direction. The property geology with structure measurement overlaid on regional geology (Israel et al., 2010) is shown in Figure 5. The contact between biotite rich schist and muscovite rich schist lies north of the claim indicating the property is underlain by muscovite rich schist from the recent mapping by Israel et al. (2010). The transition between biotite rich schist and muscovite rich schist is presumably gradational and locally could be over several hundred meters (Israel et al., 2010). The Garnet/Topaz claim is underlain by quartz-biotite schist and quartz muscovite schist, which appears to be in the gradational transitional zone.

A total of 19 rock samples were collected and the location of the rock samples was shown in Figure 5. The Au values from the rock samples returned ranging from the below the detection limit to 0.089 g/t with the highest As value of 207 ppm.

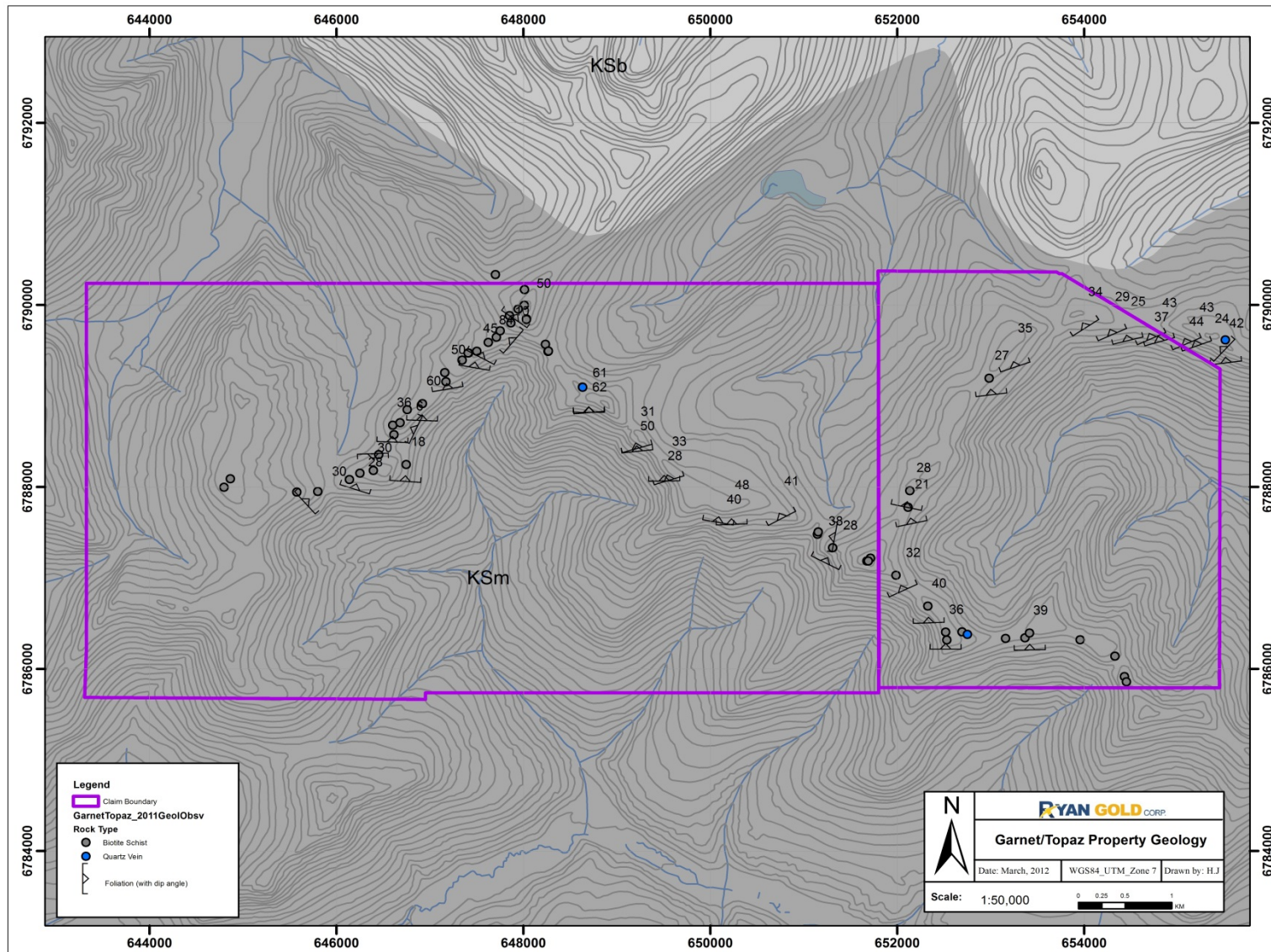


Figure 5. Property Geology

5. Soil geochemistry

The 2011 soil geochemistry survey at Garnet/Topaz claim was carried out from July 6th to July 9th by collecting 946 soil samples on the ridge and spur lines at the claim by GroundTruth Exploration Inc. (Figure 6). The detailed soil sample description is listed in Appendix III.

5.1 Soil sampling method and analysis

This following section is directly taken from the Chant 2010 soil geochemistry assessment report (Jin, 2010) as the method of collecting soil samples remained the same.

“Soil samples were taken with one meter soil auger and a prospector pick where necessary. Soil samples were gathered from an average depth of approximately 60 centimeter ranging from 20cm to 110cm from B or C horizon soil. Soil sample locations were clearly marked in the field with pink flagging and aluminum tags. The sample number was inscribed on the aluminum tag and tied to a tree or shrub at shoulder height above sample site. The coordinates of sample location was collected by a Garmin Map76 GPS in UTM NAD 83. Sample description including color, depth, slope, sample quality, ground vegetation, tree cover and GPS coordinates were recorded in a Palm PDA data recorder.

Approximately 400-500 grams of soil was collected from every station spaced 50m apart on the traverse line and stored in kraft soil bags. All samples were brought back to Dawson City and air dried, repacked in rice bags and sent to ACME labs in Vancouver. Samples are analyzed by Aqua Regia ICP-MS for 36 element (Acme Labs 1DX-15 gram).”

5.2 Results and Interpretation

A total of nine out of 906 ridge and spur soil samples returned anomalous Au values over 100 ppb, with maximum value of 903 ppb from the 2011 soil geochemistry survey at Garnet/Topaz claim. A series of soil anomalies (142 ppb, 143 ppb, 370 ppb, 903 ppb) were delineated along the ridge top in the northeastern part of Garnet claim block (Figure 6). Three Au in soil anomalies were identified towards the northern edge of the Topaz claim and one anomaly of 256 ppb identified on the southeastern ridge top at Topaz claim. One anomaly of 222 ppb was also identified at the south of the Garnet Claim.

The northeastern part of Garnet/Topaz claim where an array of anomalies in the soil were intersected and certainly warrants further exploration work to examine the anomalies in the bedrock.

The arsenic value in soil at Garnet/Topaz claim with regional magnetic feature is shown in Figure 7. Four anomalous As in soil areas were delineated with three areas distributed at the north of the claim block with the fourth one on the ridge top in the eastern central straddling Garnet and Topaz claim.

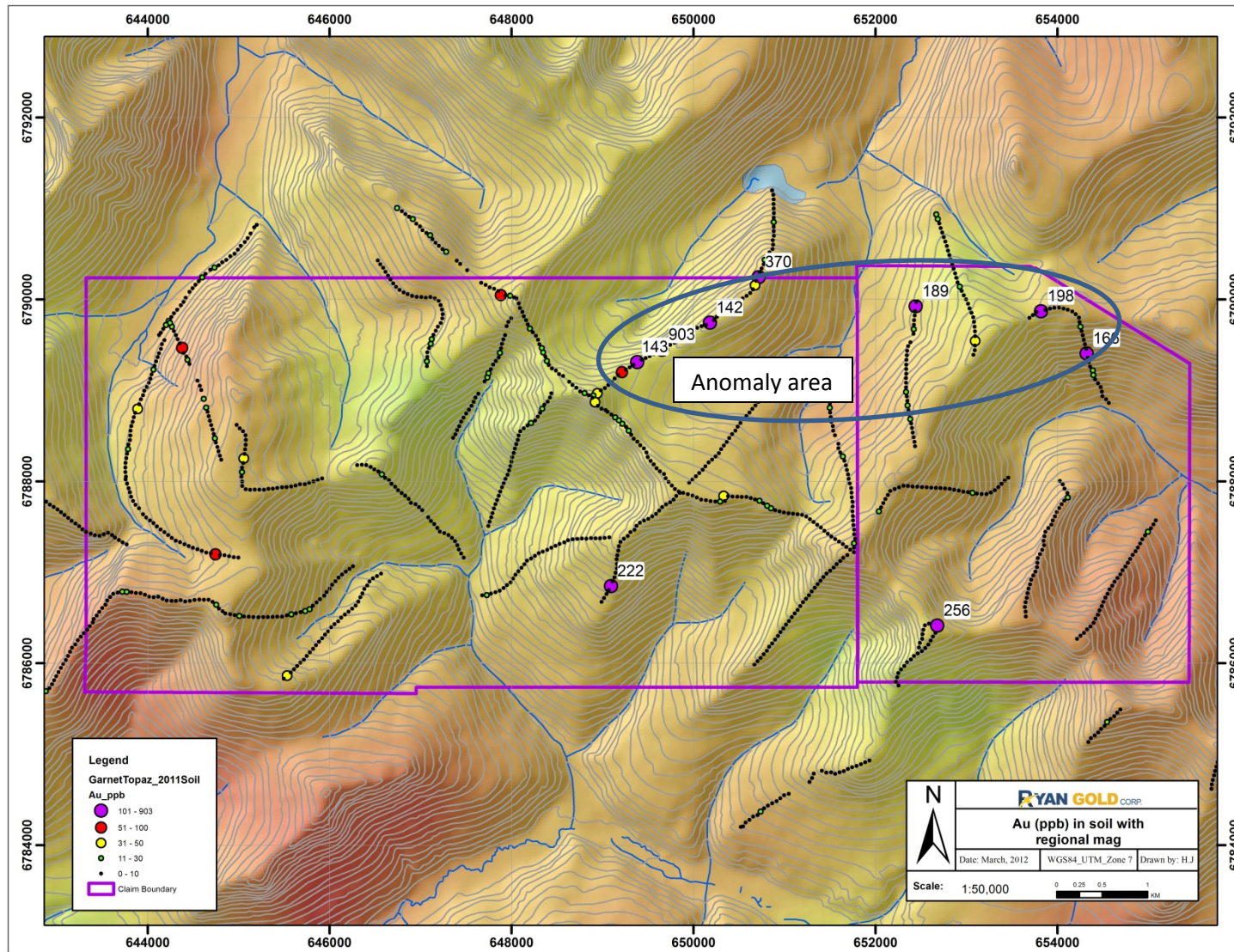


Figure 6. Au (ppb) in soil with Regional Mag at Garnet/Topaz

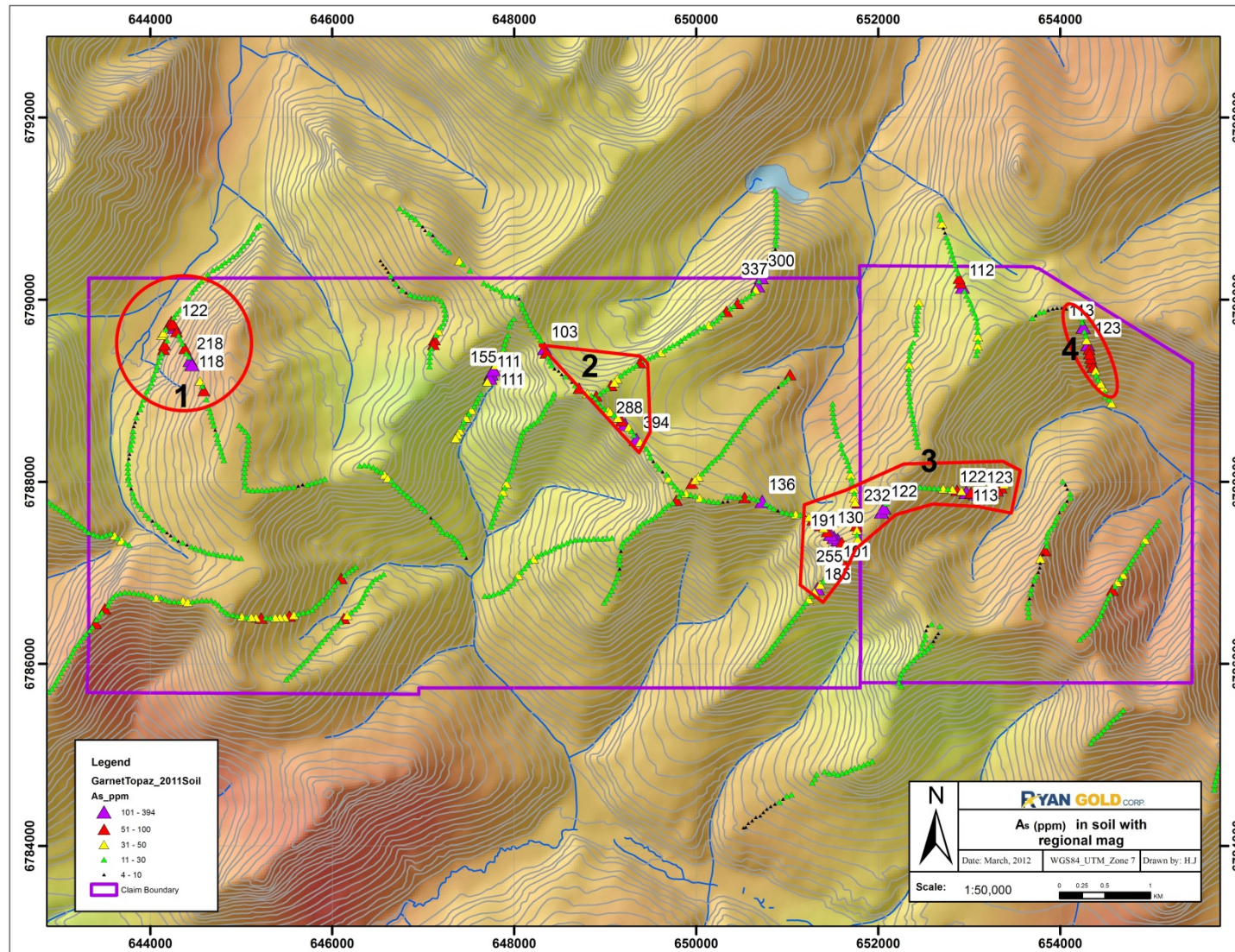


Figure 7. As (ppm) in soil with Regional Mag at Garnet/Topaz

Correlation analysis was performed on over 10,000 soil samples collected at various Ryan Gold claims located in the Kluane region in 2011 (Figure 8). The best correlation (over 50%) with gold in soil is found in arsenic value and next significant correlation is with copper and antimony (Figure 8). However, little to weak correlation was observed between gold in soil with any other geochem elements analyzed in the soil collected in 2011 at Garnet/Topaz claim. The arsenic values of the soil samples returned above 100 ppb soil were mostly ranging between 10.7 ppm to 81 ppm and only one came with 300.3 ppm. It is not clear the poor correlation observed between gold and other major pathfinder elements are due to the relatively small size of the sample population or caused by the geochem suite in the soil at Garnet/Topaz.

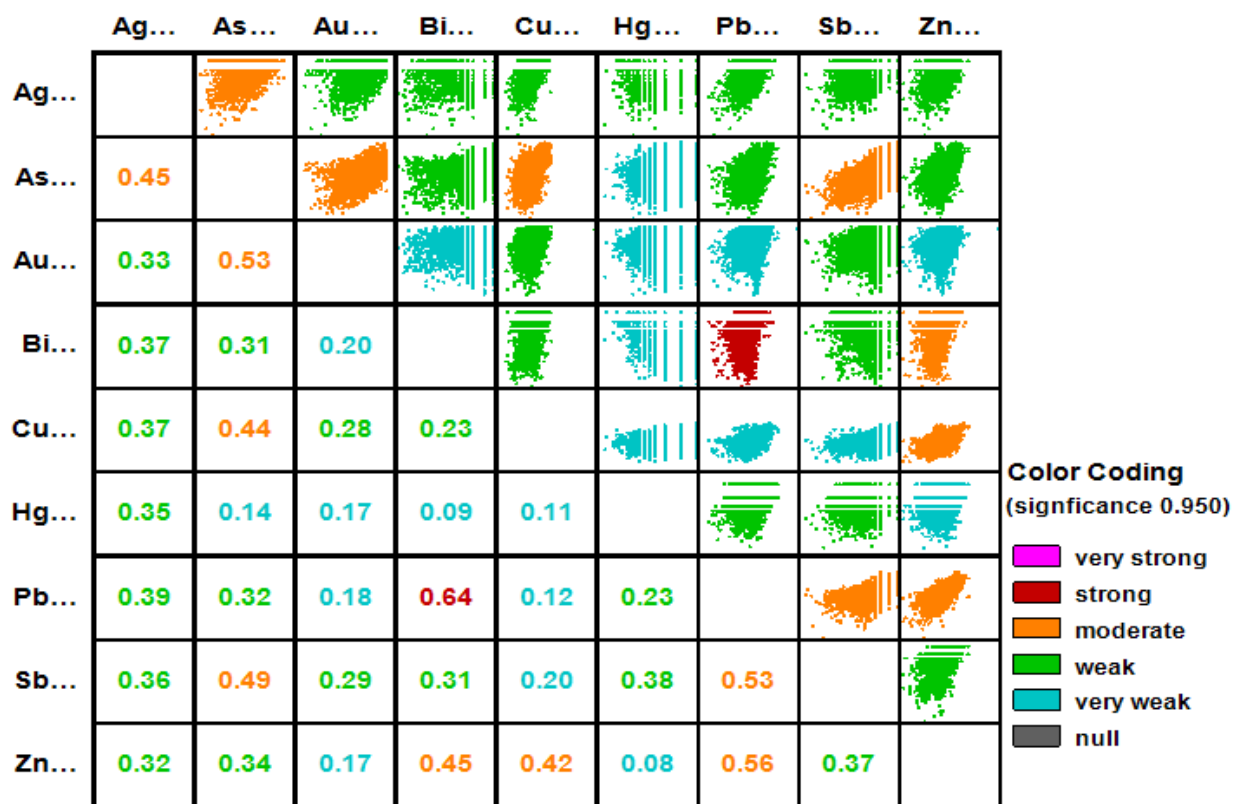


Figure 8. Correlation analysis between elements of interest/or pathfinder

6. CONCLUSIONS and RECOMMENDATIONS

A total of nine soil samples from the 2011 soil geochemistry survey conducted at Garnet/Topaz returned with anomalous gold values of above 100 ppb with maximum value of 903ppb. The survey also delineated anomalous area at the northeastern part of claim block.

Concurrent with the soil geochemistry survey, two days of geological traverses at the Garnet/Topaz claim was carried out on the main ridges at the claim. Predominant rock identified

at the claim was monotonous biotite schist with sheeted quartz veins parallel/subparallel to the foliation. Mineralization in the quartz vein or in the biotite schist was difficult to identify as most of them appear to be completely oxidized to limonite and/or weathered away on the surface. Main foliation is generally shallow dipping to north and striking WSW. The anomaly area delineated from the 2011 soil geochemistry survey also trends WSW which is likely due to a mineralization zone associated with quartz veins subparallel to the main foliation in the biotite schist.

A number of Au in soil anomalies ranging from 143 ppb to 903 ppb which are spatially concentrated in the northeastern part of the Garnet/Topaz claim, are very promising and warrant further exploration work. Follow up work including detailed grid sampling of 50m sample spacing on the line and 100m line spacing is strongly recommended over the anomaly area delineated from the 2011 soil geochemistry survey accompanied by detailed mapping and rock sampling over the anomaly area.

7. REFERENCES

Israel, S., Murphy, D., Bennett, V., Mortensen, J. and Crowley, J., 2011. New insights into the geology and mineral potential of the Coast Belt in southwestern Yukon.

Jin, 2010. Assessment report describing soil geochemistry survey on the Echo and Chant Claim Group.

Ross J. P. 2005. Summary of Work on the Inlet Creek Project Area, Yukon Territory NTS 115 G/1. Yukon Mining Incentive Program File # 05-062.

Ross J. P. 2006. Summary of Work on the Kluane Project, Yukon Territory NTS 115G/1, G/7, G/8 for Yukon Mining Incentive Program File # 06-036.

APPENDIX I

Statement of expenditure

I, Robin Sudo
Land Manager/Ryan Gold corp.
of #600 - 666 Burrard St., Vancouver, B.C. V6C 2X8
Phone 250-421-0939
make oath and say that:

Office Date Stamp

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
2. I have done, or caused to be done, work, on the following mineral claim(s): (Here list claims on which work was actually done by number and name)

See Schedule A attached

GARNET/TOPAZ Property

situated at John Creek Claim sheet No. 115G01

in the Whitehorse Mining District, to the value of at least \$66,600 dollars, *RF*

since the 6th day of July 20 11,

to represent the following mineral claims under the authority of Grouping Certificate No. _____.
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

See Schedule B attached

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

See Schedule C attached

*** Report to follow

Sworn before me at Cranbrook BC this 29 day of Sept 20 11.

Donat Paelini
Barriester & Solicitor
2nd Floor, 6 - 10th Ave. S.
Cranbrook, BC V1C 2M2

Notary Public

Owner or Authorized Agent

Access to Information and Protection of Privacy Act

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

YG(5049Q) F2 04/2003

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[illegible]

Pg. 2 of 2

Schedule A
GARNET/TOPAZ Property

Ryan Gold Corp.

Schedule B

GARNET/TOPAZ Property

Claims to be renewed:

CLAIM NAME & #	GRANT #	EXPIRY DATE	# Of Claims	# Of Years	\$100/yr	\$5/Yr Fee	NEW EXPIRY DATE
Garnet 1 - 16	YD15645 - YD15660	September 29, 2011	16	3.5	\$ 5,600.00	\$ 280.00	February 10, 2015
Garnet 17 & 18	YD15661 - YD15662	September 29, 2011	2	3.5	\$ 700.00	\$ 35.00	February 10, 2015
Garnet 19 - 24	YD15663 - YD15668	September 29, 2011	6	3.5	\$ 2,100.00	\$ 105.00	February 10, 2015
Garnet 25	YD15669	September 29, 2011	1	3.5	\$ 350.00	\$ 17.50	February 10, 2015
Garnet 26 - 56	YD15670 - YD15700	September 29, 2011	31	3.5	\$ 10,850.00	\$ 542.50	February 10, 2015
Garnet 57 - 80	YD88503 - YD88526	September 29, 2011	24	2.5	\$ 6,000.00	\$ 300.00	February 10, 2014
Garnet 81 - 190	YD137077 - YD137186	February 10, 2012	110	2	\$ 22,000.00	\$ 1,100.00	February 10, 2014
Topaz 1 - 12	YD88527 - YD88538	September 29, 2011	12	2.5	\$ 3,000.00	\$ 150.00	February 10, 2014
Topaz 17 - 74	YD88543 - YD88600	September 29, 2011	58	2.5	\$ 14,500.00	\$ 725.00	February 10, 2014
Topaz 75 - 80	YD90024 - YD90029	September 29, 2011	6	2.5	\$ 1,500.00	\$ 75.00	February 10, 2014
266					\$ 66,600.00	\$ 3,330.00	
					Work Required	Fees	

CERTIFICATE OF WORK

Schedule C

GARNET/TOPAZ Properties

SOIL SAMPLING PROGRAM:

A total of 37 man days were required to collect a total of 1,206 soil samples on the GARNET/TOPAZ Properties from July 6 to July 9, 2011

Description		Rate	Unit	Total
WAGES:				
Soil Samplers	per day	\$ 350.00	30	\$ 10,500.00
Project Forman	per day	\$ 400.00	7	\$ 2,800.00
DATA MANAGEMENT & PROCESSING SERVICES:				
GIS/Job Layout/Mapping/Results Plotting	per hour	\$ 75.00	3	\$ 225.00
Data Processing: In the field	per hour	\$ 60.00	7	\$ 420.00
Database Management/Chain of Custody, Barcoded Samples	\$0.50/sample	\$ 0.50	1206	\$ 603.00
Georeferenced In situ Sample & Sample Site Photos	\$0.50/photo	\$ 0.50	2377	\$ 1,188.50
CONSUMABLE SAMPLING SUPPLIES:				
Flagging, Metal ID Tags, Sample Bags, Ore Bags, Rice Bags, etc.	per sample	\$ 1.00	1206	\$ 1,206.00
EQUIPMENT RENTAL (per unit, per day):				
Chainsaw drop kit: 1 per helicopter load, or as required	per day	\$ 35.00	7	\$ 245.00
Iridium Satellite Phone: 1 per crew, charge 10 min/day	per day&min	\$ 35.00	7	\$ 245.00
Radio: ICOM Handheld: 1 per person	per day	\$ 5.00	37	\$ 185.00
Computer/Software: 1 per camp nightly data download	per day	\$ 50.00	4	\$ 200.00
Handheld GPS/Barcode Scanner/Camera/Data Recorder	per day	\$ 15.00	37	\$ 555.00
ACCOMODATION and FOOD:				
Remote Camp Fee: full fly camp/kitchen/generator	per man day	\$ 35.00	37	\$ 1,295.00
Food	per man day	\$ 50.00	37	\$ 1,850.00
MOBILIZATION/DEMOBILIZATION/OPERATIONAL EXPENSES:				\$ 5,950.85
HELICOPTER SUPPORT:				
Trans North (Inv. 51537,40,42+44)	per hour	\$ 1,575.00	11.5	\$ 18,112.50
FUEL	per litre	\$ 1.55	2205	\$ 3,417.75
ANALYTICAL ANALYSIS COSTS:				
Acme Laboratories, Vancouver, B.C./SOILS	per sample	\$ 24.00	1206	\$ 28,944.00
REPORT WRITING:				\$ 1,000.00
SOIL SAMPLING PROGRAM =				\$ 78,942.60

divided by 1206 = **\$ 65.46**
PER SAMPLE

946 soils samples were taken within the claim boundaries of the GARNET/TOPAZ Properties

946 soil samples X \$65.46/sample = **\$ 61,925.16**
SOIL SAMPLING

GEOLOGICAL MAPPING & ROCK SAMPLING PROGRAM:

2 Geologists & 2 Geo Techs performed Geological Mapping and collected 19 Rock Samples on July 10+11, 2011

Description		Rate	Unit	Total
WAGES:				
Project Geologist	per day	\$ 550.00	2	\$ 1,100.00
Geologist	per day	\$ 300.00	1	\$ 300.00
Geological Technician	per day	\$ 250.00	2	\$ 500.00
Geological Technician	per day	\$ 230.00	1	\$ 230.00
DATA MANAGEMENT & PROCESSING SERVICES:				
GIS/Job Layout/Mapping Results Plotting	per hour	\$ 75.00	2	\$ 150.00
CONSUMABLE SAMPLING SUPPLIES:				
Flagging, Metal ID Tags, Sample Bags, etc.	per sample	\$ 1.00	19	\$ 19.00
EQUIPMENT RENTAL (per unit, per day):				
Iridium Satellite Phone: 1 per crew, charge 10 min/day	per day&min	\$ 35.00	2	\$ 70.00
Radio: ICOM Handheld: 1 per person	per day	\$ 5.00	8	\$ 40.00
Handheld GPS/Camera/Data Recorder	per day	\$ 15.00	2	\$ 30.00
ACCOMODATION and FOOD:				
Burwash Landing, YK Accomodation	per man day	\$ 95.00	6	\$ 570.00
Food	per man day	\$ 50.00	6	\$ 300.00
HELICOPTER SUPPORT:				
Trans North (Inv. 51545+48)	per hour	\$ 1,575.00	1.7	\$ 2,677.50
FUEL	per litre	\$ 1.55	365.75	\$ 566.91
ANALYTICAL ANALYSIS COSTS:				
Acme Laboratories, Vancouver, B.C./Rock	per sample	\$ 38.00	19	\$ 722.00

\$ 7,275.41
MAPPING PROGRAM

PROGRAM TOTAL = \$ 69,200.57

Claim Status Report

15 September 2011

Claim Name and Nbr.	Grant No.	Expiry Date	Registered Owner	% Owned	NTS #'s
GARNET 1 - 16	YD15645 - YD15660	2011/09/29	45127 Yukon Inc Ryan Gold Corp	30.00 70.00	115G01
P GARNET 17 - 18	YD15661 - YD15662	2011/09/29	45127 Yukon Inc Ryan Gold Corp	30.00 70.00	115G01
GARNET 19 - 24	YD15663 - YD15668	2011/09/29	45127 Yukon Inc Ryan Gold Corp	30.00 70.00	115G01
P GARNET 25	YD15669	2011/09/29	45127 Yukon Inc Ryan Gold Corp	30.00 70.00	115G01
GARNET 26 - 56	YD15670 - YD15700	2011/09/29	45127 Yukon Inc Ryan Gold Corp	30.00 70.00	115G01
GARNET 57 - 80	YD88503 - YD88526	2011/09/29	45127 Yukon Inc Ryan Gold Corp	30.00 70.00	115G01
P GARNET 81 - 190	YD137077 - YD137186	2012/02/10	45127 Yukon Inc Ryan Gold Corp	30.00 70.00	115G01
~~SAPPHIRE 1 - 64~~	~~YD90030 - YD90093~~	~~2011/09/29~~	~~45127 Yukon Inc Ryan Gold Corp~~	~~30.00 70.00~~	~~115H04~~
~~P SAPPHIRE 65 - 86~~	~~YD136681 - YD136702~~	~~2012/02/10~~	~~45127 Yukon Inc Ryan Gold Corp~~	~~30.00 70.00~~	~~115H04~~
~~P SAPPHIRE 87 - 88~~	~~YD136703 - YD136704~~	~~2012/01/18~~	~~45127 Yukon Inc Ryan Gold Corp~~	~~30.00 70.00~~	~~115H04~~
~~P SAPPHIRE 89 - 132~~	~~YD136705 - YD136748~~	~~2012/02/10~~	~~45127 Yukon Inc Ryan Gold Corp~~	~~30.00 70.00~~	~~115H04~~
~~P SAPPHIRE 133 - 138~~	~~YD136749 - YD136754~~	~~2012/01/13~~	~~45127 Yukon Inc Ryan Gold Corp~~	~~30.00 70.00~~	~~115H04~~
~~P SAPPHIRE 139 - 264~~	~~YD136755 - YD136880~~	~~2012/02/10~~	~~45127 Yukon Inc Ryan Gold Corp~~	~~30.00 70.00~~	~~115H04~~
~~P SAPPHIRE 265 - 276~~	~~YD136881 - YD136892~~	~~2012/01/16~~	~~45127 Yukon Inc Ryan Gold Corp~~	~~30.00 70.00~~	~~115H04~~
~~P SAPPHIRE 277 - 460~~	~~YD136893 - YD137076~~	~~2012/02/10~~	~~45127 Yukon Inc Ryan Gold Corp~~	~~30.00 70.00~~	~~115H04~~
TOPAZ 1 - 12	YD88527 - YD88538	2011/09/29	45127 Yukon Inc Ryan Gold Corp	30.00 70.00	115G01
TOPAZ 17 - 74	YD88543 - YD88600	2011/09/29	45127 Yukon Inc Ryan Gold Corp	30.00 70.00	115G01
TOPAZ 75 - 80	YD90024 - YD90029	2011/09/29	45127 Yukon Inc Ryan Gold Corp	30.00 70.00	115G01

Criteria(s) used for search:

CLAIM DISTRICT: 1000004 CLAIM NAME: GARNET, SAPPHIRE, SAPPHIRE, TOPAZ CLAIM STATUS: ACTIVE & PENDING
REGULATION TYPE: QUARTZ

Left column indicator legend:

- R - Indicates the claim is on one or more pending renewal(s).
- P - Indicates the claim is pending.

Right column indicator legend:

- L - Indicates the Quartz Lease.
- F - Indicates Full Quartz fraction (25+ acres)
- P - Indicates Partial Quartz fraction (<25 acres)

Total claims selected : 726

- D - Indicates Placer Discovery
- C - Indicates Placer Codiscovery
- B - Indicates Placer Fraction

APPENDIX II

Statement of qualification

STATEMENT OF QUALIFICATIONS

I, Hua Jin, do hereby declare that:

1. I am currently employed as Senior Project Geologist for Ryan Gold Corp. of Suite 600 – 666 Burrard Street, Vancouver, British Columbia V6C 2X8.
2. I am a graduate of the Peking University with a Bachelor of Science Degree (2003) in Earth Science and Master of Science Degree (2005) in Earth Science from the Western University (formerly known as the University of Western Ontario).
3. From 2006 to present, I have practised my profession as a geologist continuously in Nunavut and Yukon Territory in Canada, Niamey in Niger and Nevada in United States for over six years.

APPENDIX III

Soil sample description and location data

SAMPLE D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1007331	654693	6785491	GPS_NAD83_Z07N	40	Rock Cover	Chocolate Brown	C	Flat	Sand	Note1: Sandy	Note2: Coarse	
1007332	654659	6785454	GPS_NAD83_Z07N	40	Rock Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Sandy	Note2: Coarse	
1007333	654625	6785416	GPS_NAD83_Z07N	40	Rock Cover	Bluish Grey	C	Pronounced Slope	Clay	Note1: Sandy	Note2: Rocky	
1007334	654585	6785388	GPS_NAD83_Z07N	50	Rock Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Clay	Note2: Sandy	
1007335	654548	6785353	GPS_NAD83_Z07N	60	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1007336	652973	6790045	GPS_NAD83_Z07N	40	Reindeer Lichen	Chocolate Brown	C	Subtle Slope	Clay	Note1: Coarse	Note2:	
1007337	652950	6790093	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Brown	C	Subtle Slope	Clay	Note1: Coarse	Note2: Rocky Terrain	
1007338	652928	6790140	GPS_NAD83_Z07N	40	Reindeer Lichen	Chocolate Brown	C	Subtle Slope	Clay	Note1: Coarse	Note2:	
1007339	652905	6790186	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	C	Subtle Slope	Clay	Note1: Rocky Sample	Note2:	
1007340	652890	6790236	GPS_NAD83_Z07N	30	Thin Moss Cover	Grey	C	Subtle Slope	Clay	Note1: Coarse	Note2:	
1007341	652876	6790286	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Subtle Slope	Clay	Note1: Rocky Sample	Note2:	
1007342	652860	6790336	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Clay	Note1: Coarse	Note2:	
1007343	652845	6790386	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Clay	Note1: Rocky Sample	Note2: Sandy	
1007344	652829	6790436	GPS_NAD83_Z07N	40	Reindeer Lichen	Grey	C	Subtle Slope	Sand	Note1: Fine	Note2: Coarse	
1007345	652814	6790486	GPS_NAD83_Z07N	50	Reindeer Lichen	Chocolate Brown	C	Subtle Slope	Clay	Note1: Fine	Note2:	
1007346	652799	6790536	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Clay	Note2:	
1007347	652785	6790585	GPS_NAD83_Z07N	60	Frost Boil	Dark Brown	C	Subtle Slope	Clay	Note1: Sandy	Note2: Rocky	
1007348	652769	6790635	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Subtle Slope	Clay	Note1: Coarse	Note2:	
1007349	652752	6790684	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Sandy	Note2:	
1007350	652736	6790734	GPS_NAD83_Z07N	60	Bare Soil	Chocolate Brown	C	Flat	Clay	Note1: Coarse	Note2:	
1056137	653078	6789389	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1056138	653092	6789440	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Sandy	Note2: Rocky Sample	
1056140	653094	6789492	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Subtle Slope	Clay	Note1: Rocky Sample	Note2:	
1056141	653097	6789543	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Subtle Slope	Clay	Note1: Coarse	Note2:	
1056142	653098	6789595	GPS_NAD83_Z07N	60	Thin Moss Cover	Grey	C	Subtle Slope	Clay	Note1: Rocky Sample	Note2: Rocky Terrain	
1056143	653095	6789648	GPS_NAD83_Z07N	30	Grass Cover	Grey	C	Subtle Slope	Clay	Note1: Sandy	Note2: Rocky Terrain	
1056144	653090	6789700	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Clay	Note2: Rocky Terrain	
1056145	653084	6789752	GPS_NAD83_Z07N	50	Grass Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Sandy	Note2: Clay	
1056146	653075	6789803	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Subtle Slope	Clay	Note1: Rocky Sample	Note2: Rocky Terrain	
1056147	653056	6789852	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Sandy	Note2: Clay	
1056148	653036	6789901	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	C	Subtle Slope	Sand	Note1: Clay	Note2: Sandy	
1056149	653018	6789950	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Clay	Note2:	
1056150	652997	6789999	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Clay	Note2:	
1056289	649109	6786898	GPS_NAD83_Z07N	60	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Quartz Chips	
1056290	649095	6786848	GPS_NAD83_Z07N	30	Bare Soil	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1056291	649071	6786804	GPS_NAD83_Z07N	60	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1056292	649045	6786760	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1056293	649019	6786717	GPS_NAD83_Z07N	70	Grass Cover	Dark Olivine Green	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1056294	648991	6786675	GPS_NAD83_Z07N	50	Grass Cover	Greyish Green	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1056295	647071	6789265	GPS_NAD83_Z07N	50	Leaf Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Clay	Note2:	
1056296	647071	6789317	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Volcanic Ash	
1056297	647075	6789367	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1056298	647075	6789418	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Rocky Terrain	

SAMPLE ID	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1056299	647092	6789465	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1056300	647113	6789511	GPS_NAD83_Z07N	20	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Sandy	Note2: Talus	
1056348	649145	6786993	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Pronounced Slope	Silt	Note1: Organic 10%	Note2:	
1056349	649132	6786944	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Volcanic Ash	
1057287	651794	6784871	GPS_NAD83_Z07N	50	Grass Cover	Bluish Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1057288	651745	6784856	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1057289	651699	6784837	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1057290	651654	6784814	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	C	Pronounced Slope	Clay	Note1: Wet Soil	Note2:	
1057291	651606	6784800	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1057292	651559	6784783	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1057293	651513	6784800	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1057294	651461	6784796	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1057295	651413	6784817	GPS_NAD83_Z07N	40	Bare Soil	Bluish Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2: Rocky Terrain	
1057296	651362	6784817	GPS_NAD83_Z07N	40	Leaf Cover	Light Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1057297	651324	6784786	GPS_NAD83_Z07N	40	Grass Cover	Bluish Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1057298	651304	6784737	GPS_NAD83_Z07N	50	Bare Soil	Bluish Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2: Rocky	
1057299	651277	6784695	GPS_NAD83_Z07N	50	Grass Cover	Light Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1057300	651236	6784665	GPS_NAD83_Z07N	40	Leaf Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2: Organic 10%	
1057501	652662	6786333	GPS_NAD83_Z07N	20	Rock Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2:	
1057502	652633	6786294	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Volcanic Ash	Note2: Rocky Sample	
1057503	652608	6786249	GPS_NAD83_Z07N	5	Rock Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Rocky Sample	Note2:	
1057504	652582	6786205	GPS_NAD83_Z07N	20	Grass Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1057505	652548	6786167	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Rocky Sample	Note2: Rocky Terrain	
1057506	652511	6786133	GPS_NAD83_Z07N	40	Bare Soil	Dark Brown	C	Pronounced Slope	Sand	Note1: Outcrop Nearby	Note2: Coarse	
1057507	652467	6786107	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Rocky Sample	Note2: Rocky Terrain	
1057508	652423	6786080	GPS_NAD83_Z07N	40	Bare Soil	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Volcanic Ash	
1057509	652390	6786041	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Rocky Sample	Note2:	
1057510	652348	6786010	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Silt	Note1: Rocky Terrain	Note2:	
1057511	652318	6785969	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Outcrop Nearby	Note2: Rocky Terrain	
1057512	652283	6785932	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Silt	Note1: Sandy	Note2: Outcrop Nearby	
1057513	652253	6785892	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Sandy	Note2: Outcrop Nearby	
1057514	652239	6785845	GPS_NAD83_Z07N	10	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Sandy	Note2: Rocky Terrain	
1057515	652228	6785796	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Silt	Note1: Sandy	Note2: Outcrop Nearby	
1057516	652254	6785756	GPS_NAD83_Z07N	5	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1057517	652479	6786173	GPS_NAD83_Z07N	30	Bare Soil	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Rocky Sample	Note2: Rocky Terrain	
1057519	652490	6786223	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Outcrop Nearby	
1057521	652516	6786268	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Subtle Slope	Sand	Note1: Rocky Sample	Note2: Outcrop Nearby	
1057522	652520	6786319	GPS_NAD83_Z07N	30	Rock Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Outcrop Nearby	Note2:	
1057523	652528	6786368	GPS_NAD83_Z07N	20	Thin Moss Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Rocky Terrain	Note2: Quartz Chips	
1057524	652544	6786415	GPS_NAD83_Z07N	30	Rock Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Sandy	Note2: Rocky Sample	
1057525	652590	6786436	GPS_NAD83_Z07N	20	Rock Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Sandy	Note2: Quartz Chips	
1057526	652681	6786414	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1057527	649850	6787872	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Outcrop Nearby	

SAMPLE ID	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1057528	649812	6787839	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1057529	649783	6787799	GPS_NAD83_Z07N	40	Rock Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1057530	649744	6787768	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Steep	Sand	Note1: Sandy	Note2:	
1057531	649699	6787746	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Sandy	Note2: Quartz Chips	
1057532	649658	6787716	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Sandy	Note2: Quartz Chips	
1057533	649624	6787678	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1057534	649590	6787641	GPS_NAD83_Z07N	60	Bare Soil	Dark Brown	C	Pronounced Slope	Sand	Note1: Sandy	Note2:	
1057535	649547	6787614	GPS_NAD83_Z07N	10	Thin Moss Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1057536	649505	6787586	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Outcrop Nearby	
1057537	649458	6787567	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Subtle Slope	Silt	Note1: Sandy	Note2:	
1057538	649412	6787544	GPS_NAD83_Z07N	10	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Outcrop Nearby	
1057539	649375	6787510	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Outcrop Nearby	
1057540	649353	6787465	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1057541	649309	6787440	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1057542	649279	6787398	GPS_NAD83_Z07N	10	Thin Moss Cover	Dark Brown	B	Subtle Slope	Silt	Note1: Sandy	Note2: Rocky Sample	
1057543	649236	6787369	GPS_NAD83_Z07N	20	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1057544	649199	6787333	GPS_NAD83_Z07N	10	Grass Cover	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Sandy	Note2: Rocky Terrain	
1057545	649181	6787286	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Silt	Note1: Rocky Terrain	Note2:	
1057546	649174	6787237	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Fine	Note2:	
1057547	649165	6787187	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1057548	649155	6787141	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Sandy	Note2: Rocky Terrain	
1057549	649159	6787091	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Steep	Silt	Note1: Volcanic Ash	Note2: Rocky Terrain	
1057550	649159	6787042	GPS_NAD83_Z07N	60	Grass Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1057551	644232	6789763	GPS_NAD83_Z07N	30	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2: Fine	
1057552	644203	6789719	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Pronounced Slope	Clay	Note1: Fine	Note2: Rocky	
1057553	644174	6789676	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2:	
1057554	644145	6789634	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Fine	Note2:	
1057555	644126	6789607	GPS_NAD83_Z07N	30	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Fine	Note2: Organic 10%	
1057651	648055	6789930	GPS_NAD83_Z07N	50	Grass Cover	Chocolate Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2: Outcrop Nearby	
1057652	648039	6789883	GPS_NAD83_Z07N	20	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rocky Terrain	Note2:	
1057653	648017	6789838	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rusty Rock Chip	Note2:	
1057654	647998	6789792	GPS_NAD83_Z07N	20	Grass Cover	Chocolate Brown	B	Steep	Clay	Note1: Rocky Sample	Note2:	
1057655	647966	6789752	GPS_NAD83_Z07N	10	Rock Cover	Chocolate Brown	B	Steep	Sand	Note1: Rusty Rock Chip	Note2:	
1057656	647947	6789705	GPS_NAD83_Z07N	10	Grass Cover	Chocolate Brown	B	Steep	Sand	Note1: Organic 10%	Note2:	
1057657	647943	6789655	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Steep	Clay	Note1: Outcrop Nearby	Note2:	
1057658	647930	6789605	GPS_NAD83_Z07N	20	Grass Cover	Chocolate Brown	B	Steep	Sand	Note1: Organic 10%	Note2:	
1057659	647911	6789559	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Steep	Sand	Note1: Coarse	Note2:	
1057660	647896	6789511	GPS_NAD83_Z07N	40	Grass Cover	Dark Olivine Green	B	Steep	Sand	Note1: Coarse	Note2:	
1057661	647885	6789461	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Steep	Clay	Note1: Coarse	Note2:	
1057662	647874	6789411	GPS_NAD83_Z07N	30	Grass Cover	Grey	C	Steep	Sand	Note1: Coarse	Note2:	
1057663	647861	6789361	GPS_NAD83_Z07N	10	Rock Cover	Chocolate Brown	B	Steep	Sand	Note1: Organic 10%	Note2:	
1057664	647829	6789322	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Outcrop Nearby	
1057665	647799	6789281	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rocky Sample	Note2:	

SAMPLE I D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1057666	647774	6789232	GPS_NAD83_Z07N	50	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2:	
1057667	647748	6789187	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Coarse	Note2: Rusty Rock Chip	
1057668	647736	6789140	GPS_NAD83_Z07N	30	Grass Cover	Dark Grey Black	A	Pronounced Slope	Clay	Note1: Organic 10%	Note2:	
1057669	647706	6789098	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1057670	647673	6789060	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1057671	647654	6789011	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1057672	647635	6788963	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Rocky Sample	Note2:	
1057673	647605	6788920	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Pronounced Slope	Sand	Note1: Rocky Sample	Note2:	
1057674	647586	6788874	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Small Sample	Note2:	
1057675	647561	6788829	GPS_NAD83_Z07N	20	Grass Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Small Sample	Note2: Rocky Terrain	
1057676	647532	6788786	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky Terrain	
1057677	647502	6788744	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1057678	647473	6788700	GPS_NAD83_Z07N	30	Rock Cover	Grey	B	Pronounced Slope	Silt	Note1: Rocky Terrain	Note2:	
1057679	647448	6788656	GPS_NAD83_Z07N	10	Grass Cover	Grey	B	Pronounced Slope	Sand	Note1: Rocky Terrain	Note2:	
1057680	647427	6788605	GPS_NAD83_Z07N	30	Grass Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1057681	647403	6788563	GPS_NAD83_Z07N	10	Rock Cover	Light Bluish Grey	B	Steep	Sand	Note1: Rocky	Note2:	
1057682	647384	6788516	GPS_NAD83_Z07N	40	Bare Soil	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1057683	643756	6788101	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Fine	Note2:	
1057684	647358	6788478	GPS_NAD83_Z07N	40	Bare Soil	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2:	
1057685	643762	6788051	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Fine	Note2:	
1057686	643775	6788302	GPS_NAD83_Z07N	60	Grass Cover	Grey	B	Subtle Slope	Clay	Note1: Quartz Chips	Note2:	
1057687	643785	6788352	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Subtle Slope	Clay	Note1: Dull Red Rust	Note2: Possible Creek Contamination	
1057688	643789	6788404	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Dull Red Rust	Note2:	
1057689	643806	6788452	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Organic 10%	Note2: Dull Red Rust	
1057690	643812	6788503	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Organic 10%	Note2:	
1057691	643813	6788556	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Organic 10%	Note2: Dull Red Rust	
1057692	643821	6788606	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Subtle Slope	Clay	Note1: Dull Red Rust	Note2:	
1057693	643836	6788654	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	B	Subtle Slope	Silt	Note1: Rocky Sample	Note2:	
1057694	643849	6788704	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Rocky Terrain	Note2:	
1057695	643865	6788752	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	C	Pronounced Slope	Clay	Note1: Dull Red Rust	Note2:	
1057696	643892	6788796	GPS_NAD83_Z07N	60	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Mud	Note2:	
1057697	643908	6788845	GPS_NAD83_Z07N	50	Grass Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Dull Red Rust	Note2:	
1057698	643928	6788902	GPS_NAD83_Z07N	50	Grass Cover	Chocolate Brown	C	Pronounced Slope	Silt	Note1: Rocky Sample	Note2:	
1057700	643951	6788945	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Dull Red Rust	Note2:	
1057701	649142	6788703	GPS_NAD83_Z07N	70	Grass Cover	Grey	C	Flat	Clay	Note1: Rocky	Note2:	
1057702	649182	6788670	GPS_NAD83_Z07N	40	Rock Cover	Grey	C	Subtle Slope	Clay	Note1: Rocky Sample	Note2: Rocky Terrain	
1057703	649219	6788632	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Rocky Terrain	
1057704	649259	6788598	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Brown	B	Pronounced Slope	Sand	Note1: Clay	Note2: Rocky Terrain	
1057705	649289	6788556	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Rocky Terrain	
1057706	649317	6788512	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Rocky Terrain	
1057707	649344	6788468	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Rocky	Note2:	
1057708	649385	6788436	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Rocky	Note2:	
1057709	649417	6788395	GPS_NAD83_Z07N	50	Reindeer Lichen	Reddish Yellow	B	Subtle Slope	Clay	Note1: Clay	Note2:	

SAMPLE D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1057710	649457	6788361	GPS_NAD83_Z07N	40	Leaf Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Rocky	Note2:	
1057711	649484	6788316	GPS_NAD83_Z07N	30	Reindeer Lichen	Chocolate Brown	B	Subtle Slope	Clay	Note1: Clay	Note2:	
1057712	649499	6788266	GPS_NAD83_Z07N	40	Reindeer Lichen	Chocolate Brown	C	Subtle Slope	Clay	Note1: Rocky Sample	Note2:	
1057713	649531	6788224	GPS_NAD83_Z07N	40	Leaf Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Clay	Note2:	
1057714	649564	6788186	GPS_NAD83_Z07N	50	Reindeer Lichen	Chocolate Brown	C	Subtle Slope	Clay	Note1: Rocky	Note2:	
1057716	649595	6788144	GPS_NAD83_Z07N	30	Leaf Cover	Chocolate Brown	C	Flat	Clay	Note1: Coarse	Note2:	
1057717	649633	6788109	GPS_NAD83_Z07N	50	Reindeer Lichen	Chocolate Brown	C	Subtle Slope	Clay	Note1: Clay	Note2:	
1057718	649676	6788080	GPS_NAD83_Z07N	40	Rock Cover	Bluish Grey	C	Flat	Clay	Note1: Rocky	Note2:	
1057719	649696	6788033	GPS_NAD83_Z07N	30	Leaf Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Rocky	Note2:	
1057720	649728	6787992	GPS_NAD83_Z07N	40	Reindeer Lichen	Grey	B	Subtle Slope	Sand	Note1: Clay	Note2: Rocky	
1057721	649763	6787953	GPS_NAD83_Z07N	40	Leaf Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Clay	Note2:	
1057722	649797	6787914	GPS_NAD83_Z07N	40	Reindeer Lichen	Chocolate Brown	C	Subtle Slope	Clay	Note1: Rocky Sample	Note2:	
1057723	649840	6787887	GPS_NAD83_Z07N	40	Reindeer Lichen	Chocolate Brown	B	Subtle Slope	Clay	Note1: Rocky	Note2:	
1057724	649889	6787872	GPS_NAD83_Z07N	30	Leaf Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Coarse	Note2:	
1057725	649940	6787858	GPS_NAD83_Z07N	40	Reindeer Lichen	Chocolate Brown	B	Subtle Slope	Clay	Note1: Rocky	Note2:	
1057726	649991	6787843	GPS_NAD83_Z07N	30	Reindeer Lichen	Chocolate Brown	B	Subtle Slope	Silt	Note1: Coarse	Note2:	
1057727	650038	6787822	GPS_NAD83_Z07N	30	Reindeer Lichen	Chocolate Brown	B	Subtle Slope	Silt	Note1: Rocky Sample	Note2:	
1057728	650085	6787798	GPS_NAD83_Z07N	40	Reindeer Lichen	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Rocky Sample	Note2:	
1057729	650137	6787792	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Subtle Slope	Silt	Note1: Volcanic Ash	Note2: Rocky	
1057730	650189	6787781	GPS_NAD83_Z07N	30	Reindeer Lichen	Chocolate Brown	B	Subtle Slope	Silt	Note1: Rocky	Note2:	
1057731	650241	6787776	GPS_NAD83_Z07N	30	Reindeer Lichen	Chocolate Brown	B	Subtle Slope	Silt	Note1: Rocky	Note2:	
1057732	650295	6787778	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Subtle Slope	Clay	Note1: Rocky	Note2:	
1057733	650347	6787784	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Subtle Slope	Silt	Note1: Volcanic Ash	Note2: Organic 10%	
1057734	644563	6790199	GPS_NAD83_Z07N	40	Leaf Cover	Grey	C	Pronounced Slope	Clay	Note1: Fine	Note2: Coarse	
1057735	644527	6790160	GPS_NAD83_Z07N	80	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Fine	Note2: Coarse	
1057736	644494	6790122	GPS_NAD83_Z07N	30	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Fine	Note2:	
1057737	644460	6790082	GPS_NAD83_Z07N	30	Grass Cover	Grey	B	Pronounced Slope	Silt	Note1: Fine	Note2: Coarse	
1057738	644419	6790017	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1057740	644396	6789971	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Fine	Note2:	
1057741	644366	6789935	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2:	
1057742	644325	6789885	GPS_NAD83_Z07N	30	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Fine	Note2:	
1057743	644290	6789847	GPS_NAD83_Z07N	60	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1057744	644261	6789804	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1057745	650947	6787668	GPS_NAD83_Z07N	20	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1057746	650995	6787656	GPS_NAD83_Z07N	50	Grass Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1057747	651045	6787648	GPS_NAD83_Z07N	10	Rock Cover	Dark Brown	B	Steep	Sand	Note1: Rocky	Note2: Talus	
1057748	651095	6787643	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1057801	644795	6787191	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1057802	644746	6787197	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1057803	644695	6787209	GPS_NAD83_Z07N	70	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Rocky	Note2: Volcanic Ash	
1057804	644644	6787216	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1057805	644596	6787235	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1057806	644548	6787251	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	

SAMPLE D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1057807	644499	6787268	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1057808	644452	6787287	GPS_NAD83_Z07N	70	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1057810	644405	6787308	GPS_NAD83_Z07N	110	Sphagnum Moss < 3	Dark Olivine Green	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1057811	644357	6787330	GPS_NAD83_Z07N	60	Leaf Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Fine	Note2: Rocky Sample	
1057812	644310	6787348	GPS_NAD83_Z07N	90	Sphagnum Moss < 3	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2: Clay	
1057813	644266	6787376	GPS_NAD83_Z07N	40	Leaf Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Fine	Note2:	
1057814	644225	6787408	GPS_NAD83_Z07N	80	Thin Moss Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Rusty Rock Chip	Note2: Clay	
1057815	644185	6787440	GPS_NAD83_Z07N	60	Sphagnum Moss < 3	Grey	C	Pronounced Slope	Sand	Note1: Clay	Note2: Coarse	
1057816	644144	6787470	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1057817	644104	6787504	GPS_NAD83_Z07N	70	Grass Cover	Dark Brown	C	Steep	Sand	Note1: Coarse	Note2: Rocky	
1057818	644066	6787539	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rusty Rock Chip	
1057819	644026	6787569	GPS_NAD83_Z07N	70	Sphagnum Moss < 3	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1057820	643986	6787602	GPS_NAD83_Z07N	60	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1057821	643950	6787638	GPS_NAD83_Z07N	40	Sphagnum Moss < 3	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1057822	643907	6787702	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1057823	643869	6787741	GPS_NAD83_Z07N	60	Sphagnum Moss < 3	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Clay	
1057824	643840	6787784	GPS_NAD83_Z07N	70	Sphagnum Moss < 3	Grey	C	Subtle Slope	Clay	Note1: Coarse	Note2:	
1057825	643819	6787830	GPS_NAD83_Z07N	80	Sphagnum Moss < 3	Dark Brown	C	Subtle Slope	Sand	Note1: Small Sample	Note2: Coarse	
1057826	643806	6787878	GPS_NAD83_Z07N	60	Thin Moss Cover	Dark Olivine Green	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1057827	643791	6787924	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Volcanic Ash	Note2: Coarse	
1057828	643775	6787973	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1057829	643758	6788020	GPS_NAD83_Z07N	50	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Rusty Rock Chip	Note2: Coarse	
1057851	642539	6788327	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Fine	
1057852	642506	6788366	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Coarse	
1057853	642465	6788397	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Sandy	
1057854	642453	6788445	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	B	Flat	Clay	Note1: Coarse	Note2: Sandy	
1057855	642441	6788495	GPS_NAD83_Z07N	20	Rock Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Sandy	
1057856	642442	6788546	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Coarse	
1057857	642444	6788597	GPS_NAD83_Z07N	30	Grass Cover	Grey	C	Flat	Clay	Note1: Coarse	Note2: Sandy	
1057858	642448	6788647	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Flat	Clay	Note1: Coarse	Note2: Sandy	
1057859	642447	6788698	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Flat	Sand	Note1: Clay	Note2: Coarse	
1057860	642449	6788749	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Flat	Clay	Note1: Sandy	Note2: Clay	
1057861	642458	6788798	GPS_NAD83_Z07N	20	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Sandy	
1057862	642469	6788848	GPS_NAD83_Z07N	20	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Coarse	
1057863	642485	6788896	GPS_NAD83_Z07N	20	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Coarse	
1057864	642489	6788946	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Flat	Sand	Note1: Clay	Note2: Coarse	
1057865	642481	6788996	GPS_NAD83_Z07N	20	Thin Moss Cover	Dark Brown	C	Flat	Sand	Note1: Coarse	Note2: Sandy	
1057866	642461	6789043	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	C	Flat	Clay	Note1: Coarse	Note2: Clay	
1057867	642434	6789087	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	C	Flat	Clay	Note1: Coarse	Note2: Clay	
1057868	642425	6789137	GPS_NAD83_Z07N	20	Thin Moss Cover	Dark Brown	C	Flat	Sand	Note1: Clay	Note2: Coarse	
1057869	642411	6789186	GPS_NAD83_Z07N	30	Thin Moss Cover	Grey	C	Flat	Clay	Note1: Coarse	Note2: Clay	
1057870	642403	6789236	GPS_NAD83_Z07N	30	Sphagnum Moss > 3	Grey	C	Flat	Clay	Note1: Coarse	Note2: Coarse	
1057871	642385	6789284	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Flat	Sand	Note1: Clay	Note2: Coarse	

SAMPLE D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1057872	642363	6789330	GPS_NAD83_Z07N	30	Thin Moss Cover	Grey	C	Flat	Sand	Note1: Clay	Note2: Coarse	
1057873	642344	6789376	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Flat	Sand	Note1: Coarse	Note2: Rocky Sample	
1057874	642321	6789422	GPS_NAD83_Z07N	40	Rock Cover	Dark Brown	C	Flat	Sand	Note1: Coarse	Note2: Clay	
1057875	642298	6789468	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	C	Flat	Sand	Note1: Clay	Note2: Coarse	
1057876	642274	6789513	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	C	Flat	Sand	Note1: Coarse	Note2: Clay	
1057877	642261	6789562	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	C	Flat	Clay	Note1: Coarse	Note2: Clay	
1057878	642286	6789607	GPS_NAD83_Z07N	20	Grass Cover	Dark Grey Black	B	Flat	Clay	Note1: Clay	Note2: Sandy	
1057880	642281	6789657	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Subtle Slope	Clay	Note1: Volcanic Ash	Note2: Clay	
1057882	642267	6789705	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	C	Flat	Clay	Note1: Clay	Note2: Coarse	
1057883	642259	6789755	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Clay	Note2: Sandy	
1057884	642263	6789806	GPS_NAD83_Z07N	30	Grass Cover	Grey	C	Subtle Slope	Clay	Note1: Coarse	Note2: Clay	
1057885	642258	6789855	GPS_NAD83_Z07N	20	Grass Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Clay	
1057886	642252	6789871	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	C	Flat	Sand	Note1: Coarse	Note2: Clay	
1057901	644604	6788954	GPS_NAD83_Z07N	50	Rock Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1057902	644590	6789002	GPS_NAD83_Z07N	20	Grass Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1057903	644576	6789049	GPS_NAD83_Z07N	50	Grass Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1057904	644548	6789106	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1057905	644526	6789155	GPS_NAD83_Z07N	60	Grass Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1057907	644505	6789200	GPS_NAD83_Z07N	70	Grass Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1057908	644483	6789246	GPS_NAD83_Z07N	50	Bare Soil	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1057909	644460	6789289	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Rocky	Note2: Organic 10%	
1057910	644440	6789334	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Rocky	Note2: Organic 10%	
1057911	644427	6789371	GPS_NAD83_Z07N	10	Rock Cover	Grey	C	Steep	Sand	Note1: Rocky	Note2:	
1057912	644398	6789412	GPS_NAD83_Z07N	20	Rock Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1057913	644381	6789466	GPS_NAD83_Z07N	40	Rock Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Quartz Chips	
1057914	644353	6789515	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1057915	644332	6789561	GPS_NAD83_Z07N	50	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Rocky	Note2: Organic 10%	
1057916	644312	6789605	GPS_NAD83_Z07N	50	Bare Soil	Grey	C	Pronounced Slope	Sand	Note1: Rocky	Note2: Quartz Chips	
1057917	644290	6789651	GPS_NAD83_Z07N	40	Rock Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky Terrain	
1057918	644269	6789698	GPS_NAD83_Z07N	60	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1057919	644248	6789741	GPS_NAD83_Z07N	60	Grass Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1057951	643963	6788996	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1057952	643993	6789037	GPS_NAD83_Z07N	10	Rock Cover	Chocolate Brown	B	Steep	Clay	Note1: Organic 10%	Note2: Rocky Terrain	
1057953	644044	6789174	GPS_NAD83_Z07N	20	Thin Moss Cover	Bluish Grey	C	Steep	Clay	Note1: Coarse	Note2:	
1057954	644065	6789226	GPS_NAD83_Z07N	40	Grass Cover	Bluish Grey	C	Steep	Clay	Note1: Coarse	Note2: Outcrop Nearby	
1057955	644078	6789269	GPS_NAD83_Z07N	30	Thin Moss Cover	Grey	B	Steep	Clay	Note1: Rocky Terrain	Note2:	
1057956	644094	6789318	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	B	Steep	Clay	Note1: Possible Creek C	Note2:	
1057957	644111	6789364	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2:	
1057958	644158	6789506	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Steep	Clay	Note1: Organic 10%	Note2:	
1057959	644127	6789407	GPS_NAD83_Z07N	10	Thin Moss Cover	Chocolate Brown	B	Steep	Silt	Note1: Organic 10%	Note2: Rocky	
1057960	644015	6789082	GPS_NAD83_Z07N	10	Rock Cover	Grey	C	Steep	Clay	Note1: Coarse	Note2: Rocky	
1057961	644031	6789128	GPS_NAD83_Z07N	10	Thin Moss Cover	Grey	B	Steep	Clay	Note1: Rocky Sample	Note2: Organic 10%	
1058380	653653	6786514	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Brown	B	Subtle Slope	Sand	Note1: Volcanic Ash	Note2: Rocky Sample	

SAMPLE ID	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1058381	653652	6786566	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Brown	B	Subtle Slope	Clay	Note1: Rocky Sample	Note2: Coarse	
1058382	653644	6786618	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1058383	653651	6786669	GPS_NAD83_Z07N	20	Rock Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Rocky Sample	Note2: Rocky Terrain	
1058384	653665	6786719	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	B	Subtle Slope	Clay	Note1: Rocky Sample	Note2: Rocky Terrain	
1058385	653673	6786769	GPS_NAD83_Z07N	20	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Sandy	
1058386	653684	6786820	GPS_NAD83_Z07N	20	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Sandy	Note2: Coarse	
1058387	653700	6786867	GPS_NAD83_Z07N	30	Leaf Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Rocky Sample	Note2:	
1058388	653714	6786918	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Rocky Sample	Note2: Coarse	
1058389	653736	6786964	GPS_NAD83_Z07N	20	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Sandy	Note2:	
1058390	653760	6787007	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	B	Subtle Slope	Sand	Note1: Rocky Sample	Note2:	
1058391	653776	6787055	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Sandy	Note2:	
1058392	653780	6787104	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Sandy	Note2: Coarse	
1058393	653786	6787154	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1058394	653810	6787199	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Clay	
1058396	653833	6787246	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Sandy	
1058397	653854	6787297	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	B	Subtle Slope	Sand	Note1: Organic 10%	Note2: Sandy	
1058398	653849	6787345	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Grey Black	B	Subtle Slope	Sand	Note1: Sandy	Note2: Clay	
1058399	653859	6787395	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Grey Black	B	Subtle Slope	Sand	Note1: Coarse	Note2:	
1058400	653869	6787445	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Sandy	Note2:	
1059901	642887	6787774	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Rocky	Note2: Sandy	
1059902	642926	6787744	GPS_NAD83_Z07N	60	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rocky	Note2: Sandy	
1059903	642968	6787717	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rocky	Note2: Sandy	
1059904	643011	6787691	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Rocky	Note2: Sandy	
1059905	643049	6787661	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Sandy	Note2: Organic 10%	
1059906	643087	6787628	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Rocky	Note2:	
1059907	643128	6787598	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1059908	643166	6787566	GPS_NAD83_Z07N	30	Bare Soil	Light Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1059909	643207	6787535	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Clay	Note1: Sandy	Note2: Rocky	
1059910	643247	6787506	GPS_NAD83_Z07N	30	Thin Moss Cover	Grey	C	Pronounced Slope	Clay	Note1: Rocky	Note2: Sandy	
1059911	643283	6787473	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Clay	Note2: Rocky	
1059912	643325	6787443	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Rocky	Note2:	
1059913	643374	6787423	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1059914	643422	6787407	GPS_NAD83_Z07N	40	Thin Moss Cover	Bluish Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1059916	643473	6787400	GPS_NAD83_Z07N	40	Bare Soil	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1059917	643519	6787417	GPS_NAD83_Z07N	30	Sphagnum Moss > 3	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Sandy	Note2: Rocky Terrain	
1059918	643565	6787435	GPS_NAD83_Z07N	30	Bare Soil	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1059919	643609	6787408	GPS_NAD83_Z07N	20	Bare Soil	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Sandy	Note2: Organic 10%	
1059921	643642	6787382	GPS_NAD83_Z07N	20	Thin Moss Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Sandy	Note2: Organic 10%	
1059922	643686	6787354	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Sandy	Note2:	
1059923	643727	6787329	GPS_NAD83_Z07N	20	Bare Soil	Grey	C	Pronounced Slope	Sand	Note1: Sandy	Note2:	
1059924	643770	6787305	GPS_NAD83_Z07N	60	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Sandy	Note2:	
1060001	648389	6789323	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Coarse	
1060002	648410	6789277	GPS_NAD83_Z07N	40	Rock Cover	Grey	C	Pronounced Slope	Sand	Note1:	Note2:	

SAMPLE D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1060003	648444	6789240	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060004	648490	6789217	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1060005	648523	6789179	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1060006	648568	6789158	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	B	Pronounced Slope	Clay	Note1:	Note2:	
1060007	648635	6789094	GPS_NAD83_Z07N	70	Rock Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Clay	Note2: Coarse	
1060008	648671	6789058	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1060009	648713	6789028	GPS_NAD83_Z07N	30	Rock Cover	Bluish Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Coarse	
1060010	648755	6788988	GPS_NAD83_Z07N	40	Rock Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Coarse	
1060011	648805	6788969	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Volcanic Ash	
1060012	648850	6788946	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060013	648892	6788917	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Clay	Note2: Coarse	
1060014	648918	6788870	GPS_NAD83_Z07N	40	Rock Cover	Dark Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060015	648951	6788830	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060017	648991	6788797	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Coarse	
1060018	649035	6788782	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1060019	648030	6790020	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060020	647985	6790039	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1060021	647935	6790045	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1060022	647884	6790047	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1060023	647856	6790091	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060024	647809	6790115	GPS_NAD83_Z07N	40	Rock Cover	Dark Blue Black	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060025	647760	6790130	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060026	647716	6790159	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060027	647668	6790181	GPS_NAD83_Z07N	60	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060028	647630	6790217	GPS_NAD83_Z07N	70	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060029	647591	6790252	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1060030	647554	6790287	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1060031	647513	6790320	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1060032	647477	6790356	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Small Sample	
1060033	647437	6790388	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060034	647399	6790425	GPS_NAD83_Z07N	50	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060035	647361	6790458	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060036	647320	6790489	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060037	647282	6790522	GPS_NAD83_Z07N	50	Leaf Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1060038	647242	6790553	GPS_NAD83_Z07N	70	Grass Cover	Dark Grey Black	C	Pronounced Slope	Clay	Note1:	Note2:	
1060039	647203	6790587	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Coarse	
1060040	647167	6790621	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060041	647132	6790660	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Pronounced Slope	Clay	Note1: Rocky Terrain	Note2:	
1060042	647106	6790704	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060043	647064	6790730	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060044	647022	6790760	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060045	646994	6790801	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Clay	Note2: Coarse	
1060046	646954	6790832	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	

SAMPLE D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1060047	646916	6790882	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Coarse	
1060048	646874	6790908	GPS_NAD83_Z07N	30	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1060049	646833	6790937	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Rocky Terrain	
1060050	646796	6790970	GPS_NAD83_Z07N	60	Thin Moss Cover	Dark Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2: Rocky Terrain	
1060051	647760	6787556	GPS_NAD83_Z07N	50	Leaf Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1060052	647746	6787508	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060054	650290	6789847	GPS_NAD83_Z07N	30	Thin Moss Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060055	650332	6789873	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Flat	Sand	Note1: Coarse	Note2: Clay	
1060056	650374	6789902	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Flat	Sand	Note1: Coarse	Note2: Rocky	
1060057	650416	6789929	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Flat	Sand	Note1: Coarse	Note2: Rocky	
1060058	650456	6789959	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	C	Flat	Sand	Note1: Coarse	Note2: Rocky	
1060059	650500	6789984	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060060	650543	6790010	GPS_NAD83_Z07N	30	Thin Moss Cover	Grey	C	Subtle Slope	Sand	Note1: Rocky	Note2: Organic 10%	
1060061	650584	6790038	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1060062	650625	6790069	GPS_NAD83_Z07N	30	Thin Moss Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060063	650655	6790109	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Clay	
1060064	650677	6790154	GPS_NAD83_Z07N	40	Thin Moss Cover	Reddish Yellow	C	Subtle Slope	Sand	Note1: Rocky	Note2: Clay	
1060065	650691	6790202	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Rocky	Note2: Clay	
1060066	650718	6790244	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Clay	Note1: Rocky	Note2: Sandy	
1060067	650728	6790294	GPS_NAD83_Z07N	20	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060068	650750	6790339	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060069	650774	6790384	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Flat	Sand	Note1: Coarse	Note2: Rocky	
1060070	650783	6790433	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Fine	Note2: Rocky	
1060071	650816	6790469	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Flat	Sand	Note1: Coarse	Note2: Clay	
1060072	650836	6790515	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Clay	
1060073	650870	6790551	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Sandy	Note2: Rocky Terrain	
1060074	650876	6790601	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Sandy	Note2: Organic 10%	
1060075	650873	6790650	GPS_NAD83_Z07N	80	Sphagnum Moss < 3	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060076	650885	6790699	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060077	650883	6790749	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Rocky	
1060078	650883	6790798	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Rocky	Note2: Clay	
1060079	650882	6790849	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Rocky	Note2: Clay	
1060080	650883	6790898	GPS_NAD83_Z07N	5	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Rocky Terrain	Note2:	
1060081	650885	6790948	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Sandy	Note2: Organic 25%	
1060082	650884	6790998	GPS_NAD83_Z07N	60	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060083	650881	6791048	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1060084	650883	6791099	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1060085	650879	6791150	GPS_NAD83_Z07N	50	Thin Moss Cover	Light Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060086	650865	6791197	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060087	650867	6791197	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060088	642573	6788257	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Rocky	Note2: Clay	
1060089	642608	6788221	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rocky	Note2: Sandy	
1060090	642626	6788176	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Clay	Note2: Sandy	

SAMPLEID	Easting	Northing	Coord_Name	Samp_Depth	Groundcover	Colour	Horizon	Terrain	Texture	Samp_Comment		
1060091	642654	6788134	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Clay	Note2: Sandy	
1060092	642676	6788090	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Clay	Note2: Sandy	
1060093	642702	6788049	GPS_NAD83_Z07N	20	Thin Moss Cover	Grey	C	Flat	Sand	Note1: Sandy	Note2: Coarse	
1060094	642712	6788002	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Silt	Note1: Rocky	Note2: Sandy	
1060095	642753	6787972	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Silt	Note1: Rocky	Note2: Sandy	
1060096	642790	6787938	GPS_NAD83_Z07N	20	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Silt	Note1: Rocky	Note2: Sandy	
1060097	642821	6787899	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Subtle Slope	Sand	Note1: Sandy	Note2: Clay	
1060098	642837	6787852	GPS_NAD83_Z07N	30	Thin Moss Cover	Grey	C	Flat	Sand	Note1: Coarse	Note2:	
1060099	642847	6787804	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Organic 10%	Note2: Sandy	
1060100	642555	6788303	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Pronounced Slope	Sand	Note1: Rocky	Note2: Clay	
1060101	648901	6788943	GPS_NAD83_Z07N	30	Rock Cover	Grey	C	Pronounced Slope	Clay	Note1: Rocky Sample	Note2:	
1060102	648945	6788967	GPS_NAD83_Z07N	20	Rock Cover	Chocolate Brown	C	Steep	Clay	Note1: Rocky	Note2: Quartz Chips	
1060103	648983	6788999	GPS_NAD83_Z07N	40	Rock Cover	Dark Grey Black	C	Pronounced Slope	Clay	Note1: Rocky	Note2:	
1060104	649027	6789024	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Rocky	Note2:	
1060105	649065	6789057	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Rocky	Note2: Quartz Chips	
1060106	649102	6789089	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Quartz Chips	Note2:	
1060107	649135	6789129	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Rocky Sample	Note2:	
1060108	649173	6789166	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	B	Subtle Slope	Clay	Note1: Coarse	Note2:	
1060109	649215	6789199	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	C	Subtle Slope	Clay	Note1: Coarse	Note2:	
1060110	649257	6789227	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Subtle Slope	Clay	Note1: Outcrop Nearby	Note2:	
1060111	649300	6789252	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Clay	Note1: Coarse	Note2:	
1060112	649342	6789280	GPS_NAD83_Z07N	20	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Quartz Chips	Note2:	
1060113	649383	6789310	GPS_NAD83_Z07N	30	Thin Moss Cover	Reddish Yellow	C	Subtle Slope	Clay	Note1: Rocky	Note2:	
1060114	649429	6789336	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rocky	Note2:	
1060115	649476	6789354	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Rocky	Note2:	
1060116	649519	6789376	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Flat	Clay	Note1: Rocky Terrain	Note2:	
1060117	649565	6789397	GPS_NAD83_Z07N	60	Thin Moss Cover	Chocolate Brown	C	Flat	Clay	Note1: Rusty Rock Chip	Note2:	
1060118	649566	6789401	GPS_NAD83_Z07N	60	Thin Moss Cover	Chocolate Brown	C	Flat	Clay	Note1: Rusty Rock Chip	Note2:	
1060119	649612	6789420	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Subtle Slope	Clay	Note1: Rocky	Note2:	
1060120	649656	6789446	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Flat	Clay	Note1: Rocky	Note2:	
1060121	649700	6789473	GPS_NAD83_Z07N	60	Thin Moss Cover	Chocolate Brown	B	Flat	Clay	Note1: Mud	Note2:	
1060122	649744	6789499	GPS_NAD83_Z07N	70	Thin Moss Cover	Grey	C	Flat	Clay	Note1: Outcrop Nearby	Note2:	
1060123	649790	6789521	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Clay	Note1: Coarse	Note2:	
1060124	649832	6789549	GPS_NAD83_Z07N	70	Grass Cover	Bluish Grey	C	Subtle Slope	Clay	Note1: Outcrop Nearby	Note2:	
1060125	649829	6789550	GPS_NAD83_Z07N	70	Grass Cover	Bluish Grey	C	Flat	Clay	Note1: Outcrop Nearby	Note2:	
1060126	649871	6789581	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Flat	Sand	Note1: Coarse	Note2:	
1060127	649915	6789607	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	C	Flat	Clay	Note1: Outcrop Nearby	Note2:	
1060128	649958	6789632	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Fine	Note2:	
1060129	650004	6789653	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Volcanic Ash	Note2:	
1060130	650042	6789686	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Clay	Note1: Outcrop Nearby	Note2:	
1060131	650089	6789706	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Flat	Clay	Note1: Outcrop Nearby	Note2:	
1060132	650139	6789719	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Rocky	Note2:	
1060133	650182	6789743	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Rocky	Note2:	

SAMPLEID	Easting	Northing	Coord_Name	Samp_Depth	Groundcover	Colour	Horizon	Terrain	Texture	Samp_Comment		
1060134	650226	6789772	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Clay	Note1: Rocky	Note2:	
1060135	650259	6789807	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Rocky Sample	Note2:	
1060136	644185	6789550	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Steep	Sand	Note1: Fine	Note2:	
1060151	644855	6786547	GPS_NAD83_Z07N	40	Reindeer Lichen	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Fine	Note2: Rocky Terrain	
1060152	644907	6786538	GPS_NAD83_Z07N	50	Leaf Cover	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Fine	Note2: Rocky Sample	
1060153	644958	6786528	GPS_NAD83_Z07N	60	Leaf Cover	Chocolate Brown	C	Pronounced Slope	Silt	Note1: Coarse	Note2:	
1060154	645010	6786519	GPS_NAD83_Z07N	30	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Fine	Note2:	
1060155	645060	6786514	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Volcanic Ash	Note2: Fine	
1060156	645112	6786511	GPS_NAD83_Z07N	50	Leaf Cover	Grey	C	Pronounced Slope	Clay	Note1: Rocky Sample	Note2:	
1060157	645164	6786507	GPS_NAD83_Z07N	70	Leaf Cover	Chocolate Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060158	645218	6786505	GPS_NAD83_Z07N	30	Leaf Cover	Grey	B	Subtle Slope	Clay	Note1: Fine	Note2:	
1060159	645271	6786506	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	C	Subtle Slope	Clay	Note1: Fine	Note2:	
1060160	645323	6786507	GPS_NAD83_Z07N	60	Grass Cover	Chocolate Brown	C	Subtle Slope	Clay	Note1: Fine	Note2: Coarse	
1060161	645375	6786510	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Fine	Note2: Coarse	
1060162	645427	6786511	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Fine	Note2: Coarse	
1060163	645479	6786512	GPS_NAD83_Z07N	50	Leaf Cover	Grey	C	Subtle Slope	Clay	Note1: Rocky Sample	Note2:	
1060164	645530	6786525	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Subtle Slope	Clay	Note1: Coarse	Note2:	
1060166	645580	6786537	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Subtle Slope	Clay	Note1: Fine	Note2: Coarse	
1060167	645631	6786550	GPS_NAD83_Z07N	50	Grass Cover	Grey	B	Subtle Slope	Silt	Note1: Fine	Note2: Coarse	
1060168	645683	6786562	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Subtle Slope	Clay	Note1: Fine	Note2:	
1060169	645733	6786573	GPS_NAD83_Z07N	50	Grass Cover	Grey	B	Subtle Slope	Silt	Note1: Fine	Note2:	
1060170	645781	6786594	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Subtle Slope	Silt	Note1: Fine	Note2: Coarse	
1060172	645818	6786632	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Subtle Slope	Clay	Note1: Fine	Note2:	
1060173	645857	6786667	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Subtle Slope	Silt	Note1: Volcanic Ash	Note2: Fine	
1060174	645896	6786703	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Subtle Slope	Clay	Note1: Rocky	Note2:	
1060175	645942	6786741	GPS_NAD83_Z07N	70	Grass Cover	Grey	C	Subtle Slope	Clay	Note1: Rocky	Note2:	
1060176	645967	6786782	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Subtle Slope	Clay	Note1: Coarse	Note2:	
1060177	646001	6786821	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060178	646030	6786862	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060179	646065	6786900	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Fine	Note2:	
1060180	646099	6786940	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Pronounced Slope	Clay	Note1: Fine	Note2:	
1060181	646138	6786974	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Volcanic Ash	Note2: Coarse	
1060182	646179	6787006	GPS_NAD83_Z07N	70	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Rocky	Note2:	
1060183	646219	6787036	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Subtle Slope	Clay	Note1: Coarse	Note2: Fine	
1060184	646259	6787066	GPS_NAD83_Z07N	40	Leaf Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060185	645199	6790819	GPS_NAD83_Z07N	30	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Fine	Note2:	
1060186	645172	6790791	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Volcanic Ash	Note2: Rocky Terrain	
1060187	645132	6790723	GPS_NAD83_Z07N	40	Rock Cover	Dark Brown	C	Steep	Sand	Note1: Clay	Note2: Rocky Sample	
1060188	645100	6790672	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Rocky	
1060189	645068	6790631	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Steep	Sand	Note1: Fine	Note2:	
1060190	645024	6790587	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Clay	Note1: Fine	Note2:	
1060191	644993	6790545	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Fine	Note2:	
1060192	644956	6790502	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	C	Pronounced Slope	Clay	Note1: Fine	Note2:	

SAMPLE D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1060193	644910	6790473	GPS_NAD83_Z07N	30	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Fine	Note2:	
1060194	644866	6790434	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060195	644821	6790408	GPS_NAD83_Z07N	20	Grass Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Fine	Note2: Organic 10%	
1060196	644782	6790375	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060197	644737	6790348	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Fine	
1060198	644690	6790326	GPS_NAD83_Z07N	60	Thin Moss Cover	Dark Grey Black	B	Pronounced Slope	Clay	Note1: Fine	Note2: Organic 10%	
1060199	644636	6790280	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060200	644601	6790241	GPS_NAD83_Z07N	40	Rock Cover	Grey	C	Pronounced Slope	Sand	Note1: Fine	Note2: Coarse	
1060201	649075	6787384	GPS_NAD83_Z07N	40	Rock Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Rocky Terrain	Note2:	
1060202	649025	6787376	GPS_NAD83_Z07N	20	Rock Cover	Dark Grey Black	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060203	648974	6787372	GPS_NAD83_Z07N	20	Rock Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1060204	648924	6787373	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Rocky	
1060205	648874	6787375	GPS_NAD83_Z07N	30	Rock Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060206	648823	6787368	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky	
1060207	648774	6787371	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1060208	648724	6787367	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1060209	648673	6787362	GPS_NAD83_Z07N	30	Grass Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060210	648623	6787351	GPS_NAD83_Z07N	40	Rock Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060211	648579	6787329	GPS_NAD83_Z07N	40	Sphagnum Moss < 3%	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1060212	648530	6787312	GPS_NAD83_Z07N	50	Grass Cover	Bluish Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060213	648485	6787291	GPS_NAD83_Z07N	50	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060214	648438	6787270	GPS_NAD83_Z07N	30	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Dull Red Rust	Note2: Rocky	
1060215	648393	6787246	GPS_NAD83_Z07N	80	Grass Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Quartz Chips	
1060217	648346	6787226	GPS_NAD83_Z07N	30	Grass Cover	Dark Grey Black	B	Subtle Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1060218	648300	6787209	GPS_NAD83_Z07N	80	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060219	648258	6787180	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2: Quartz Chips	
1060220	648216	6787151	GPS_NAD83_Z07N	80	Bare Soil	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060222	648172	6787127	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060223	648141	6787088	GPS_NAD83_Z07N	50	Grass Cover	Greyish Green	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060224	648110	6787049	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060225	648077	6787011	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060226	648045	6786973	GPS_NAD83_Z07N	70	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060227	648017	6786931	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1060228	647992	6786887	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060229	647951	6786858	GPS_NAD83_Z07N	70	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060230	647913	6786826	GPS_NAD83_Z07N	110	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060231	647871	6786798	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1060232	647824	6786779	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060233	647776	6786765	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060234	647729	6786748	GPS_NAD83_Z07N	70	Grass Cover	Dark Grey Black	C	Subtle Slope	Clay	Note1: Coarse	Note2:	
1060235	647679	6786746	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060236	644811	6788237	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	B	Flat	Sand	Note1: Coarse	Note2: Rocky	
1060237	644795	6788281	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	

SAMPLE D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1060238	644781	6788329	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060239	644768	6788377	GPS_NAD83_Z07N	20	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060240	644751	6788425	GPS_NAD83_Z07N	20	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060241	644740	6788472	GPS_NAD83_Z07N	20	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060242	644727	6788520	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060243	644714	6788569	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060244	644700	6788618	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Flat	Sand	Note1: Coarse	Note2: Rocky	
1060245	644685	6788665	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Coarse	Note2: Rocky	
1060246	644673	6788714	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Coarse	Note2: Possible Creek Contamination	
1060247	644660	6788763	GPS_NAD83_Z07N	60	Bare Soil	Dark Brown	C	Flat	Sand	Note1: Fine	Note2: Rocky	
1060248	644645	6788809	GPS_NAD83_Z07N	60	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060249	644630	6788858	GPS_NAD83_Z07N	70	Bare Soil	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2: Possible Creek Contamination	
1060250	644617	6788906	GPS_NAD83_Z07N	110	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1060251	645077	6788506	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Fine	Note2: Rocky	
1060252	645082	6788454	GPS_NAD83_Z07N	60	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060253	645079	6788402	GPS_NAD83_Z07N	70	Reindeer Lichen	Dark Olivine Green	C	Subtle Slope	Clay	Note1: Coarse	Note2: Rocky	
1060254	645073	6788351	GPS_NAD83_Z07N	70	Grass Cover	Dark Olivine Green	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060256	645066	6788300	GPS_NAD83_Z07N	60	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Clay	Note2: Coarse	
1060257	645057	6788251	GPS_NAD83_Z07N	40	Rock Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060258	645051	6788201	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060259	645039	6788150	GPS_NAD83_Z07N	80	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Clay	Note2: Rocky	
1060260	645038	6788100	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060261	645033	6788049	GPS_NAD83_Z07N	40	Sphagnum Moss < 3	Chocolate Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060262	645041	6787998	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060263	645041	6787948	GPS_NAD83_Z07N	70	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Rocky	Note2: Fine	
1060264	645078	6787913	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1060265	645127	6787907	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060266	645178	6787908	GPS_NAD83_Z07N	80	Rock Cover	Dark Olivine Green	C	Subtle Slope	Sand	Note1: Clay	Note2: Coarse	
1060267	645229	6787908	GPS_NAD83_Z07N	40	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1060268	645280	6787906	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060269	645328	6787916	GPS_NAD83_Z07N	70	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060271	645378	6787918	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Fine	Note2: Rocky Sample	
1060272	645427	6787927	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Rusty Rock Chip	Note2: Coarse	
1060273	645478	6787933	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Brown	C	Subtle Slope	Silt	Note1: Coarse	Note2: Rocky	
1060274	645528	6787936	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060275	645578	6787942	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1060276	645628	6787952	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Brown	B	Pronounced Slope	Sand	Note1: Volcanic Ash	Note2: Coarse	
1060277	645676	6787968	GPS_NAD83_Z07N	50	Reindeer Lichen	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Volcanic Ash	Note2: Coarse	
1060278	645728	6787968	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060279	645775	6787985	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Organic 10%	
1060280	645823	6787999	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	C	Pronounced Slope	Sand	Note1: Fine	Note2: Rocky	
1060281	645871	6788014	GPS_NAD83_Z07N	70	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060282	645920	6788031	GPS_NAD83_Z07N	60	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Sample	

SAMPLE ID	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1060283	644998	6787161	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1060284	644947	6787165	GPS_NAD83_Z07N	40	Reindeer Lichen	Chocolate Brown	C	Subtle Slope	Sand	Note1: Fine	Note2: Rocky	
1060285	644897	6787176	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060286	644847	6787187	GPS_NAD83_Z07N	60	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060351	646305	6788178	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Coarse	Note2: Rocky Sample	
1060352	646355	6788182	GPS_NAD83_Z07N	20	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Rocky Sample	Note2: Sandy	
1060353	646405	6788177	GPS_NAD83_Z07N	20	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Rocky Sample	Note2: Sandy	
1060354	646452	6788159	GPS_NAD83_Z07N	20	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Coarse	Note2: Rocky Sample	
1060355	646493	6788130	GPS_NAD83_Z07N	20	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1060356	646538	6788108	GPS_NAD83_Z07N	40	Rock Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Fine	Note2: Sandy	
1060357	646576	6788075	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Sandy	
1060358	646611	6788038	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Sandy	
1060359	646654	6788013	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1060360	646682	6787971	GPS_NAD83_Z07N	20	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Sandy	
1060361	646722	6787940	GPS_NAD83_Z07N	20	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Fine	Note2: Sandy	
1060362	646753	6787901	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Fine	Note2: Sandy	
1060363	646793	6787871	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Sandy	
1060364	646832	6787840	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Fine	Note2: Sandy	
1060365	646870	6787807	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Sandy	
1060366	646895	6787763	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Subtle Slope	Clay	Note1: Coarse	Note2: Clay	
1060367	646945	6787748	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Subtle Slope	Clay	Note1: Clay	Note2: Coarse	
1060368	646983	6787716	GPS_NAD83_Z07N	30	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2: Sandy	
1060369	647019	6787681	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Sandy	
1060370	647085	6787604	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Fine	Note2: Volcanic Ash	
1060371	647115	6787564	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Volcanic Ash	
1060372	647152	6787529	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Flat	Sand	Note1: Coarse	Note2: Clay	
1060373	647185	6787488	GPS_NAD83_Z07N	40	Grass Cover	Bluish Grey	C	Flat	Clay	Note1: Clay	Note2: Coarse	
1060374	647213	6787447	GPS_NAD83_Z07N	40	Grass Cover	Bluish Grey	C	Flat	Clay	Note1: Coarse	Note2: Clay	
1060375	647261	6787430	GPS_NAD83_Z07N	30	Grass Cover	Bluish Grey	C	Flat	Clay	Note1: Coarse	Note2: Clay	
1060376	647307	6787409	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Flat	Clay	Note1: Coarse	Note2: Clay	
1060377	647345	6787377	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Flat	Clay	Note1: Coarse	Note2: Clay	
1060378	647380	6787342	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Flat	Sand	Note1: Clay	Note2: Coarse	
1060379	647405	6787297	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Sandy	
1060380	647423	6787250	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Sandy	Note2: Clay	
1060381	647447	6787205	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Flat	Sand	Note1: Coarse	Note2: Sandy	
1060382	647475	6787161	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Flat	Sand	Note1: Coarse	Note2: Clay	
1060401	647124	6789561	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Blue Black	B	Pronounced Slope	Sand	Note1: Sandy	Note2:	
1060402	647143	6789610	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	B	Pronounced Slope	Sand	Note1: Sandy	Note2: Quartz Chips	
1060403	647169	6789654	GPS_NAD83_Z07N	60	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060404	647191	6789699	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Sandy	Note2:	
1060405	647223	6789739	GPS_NAD83_Z07N	40	Rock Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Talus	Note2:	
1060406	647240	6789789	GPS_NAD83_Z07N	40	Sphagnum Moss < 30	Dark Brown	B	Pronounced Slope	Silt	Note1: Possible Creek Co	Note2: Organic 10%	
1060407	647244	6789837	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Possible Creek Contamination	

SAMPLE ID	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1060408	647235	6789887	GPS_NAD83_Z07N	70	Grass Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060409	647221	6789936	GPS_NAD83_Z07N	70	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060410	647199	6789984	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Sandy	Note2: Rocky Terrain	
1060411	647157	6790011	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Possible Creek Co	Note2:	
1060412	647109	6790025	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060413	647059	6790016	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2:	
1060414	647009	6790024	GPS_NAD83_Z07N	40	Leaf Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2:	
1060415	646958	6790028	GPS_NAD83_Z07N	60	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060416	646908	6790038	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060417	646860	6790057	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060418	646814	6790076	GPS_NAD83_Z07N	40	Leaf Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1060419	646771	6790104	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1060420	646733	6790137	GPS_NAD83_Z07N	60	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060421	646700	6790175	GPS_NAD83_Z07N	80	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060422	646670	6790217	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2:	
1060423	646643	6790259	GPS_NAD83_Z07N	80	Grass Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Wet Soil	
1060424	646616	6790302	GPS_NAD83_Z07N	60	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2:	
1060425	646590	6790346	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	B	Pronounced Slope	Sand	Note1: Sandy	Note2: Rocky Terrain	
1060426	646559	6790385	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060427	646531	6790427	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2:	
1060537	651145	6787638	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060538	650332	6787838	GPS_NAD83_Z07N	10	Rock Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060539	650382	6787837	GPS_NAD83_Z07N	20	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060540	650431	6787832	GPS_NAD83_Z07N	20	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060541	650482	6787829	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060542	650532	6787827	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1060543	650582	6787827	GPS_NAD83_Z07N	20	Rock Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060544	650631	6787816	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060545	650678	6787800	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2:	
1060546	650726	6787786	GPS_NAD83_Z07N	20	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060547	650769	6787759	GPS_NAD83_Z07N	30	Rock Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky Terrain	
1060548	650811	6787731	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060549	650853	6787703	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060550	650899	6787682	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060601	654566	6788860	GPS_NAD83_Z07N	60	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Volcanic Ash	Note2: Coarse	
1060602	651766	6787268	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1060603	651766	6787318	GPS_NAD83_Z07N	60	Reindeer Lichen	Dark Brown	C	Subtle Slope	Clay	Note1: Rocky	Note2: Coarse	
1060604	651778	6787368	GPS_NAD83_Z07N	40	Rock Cover	Dark Grey Black	B	Subtle Slope	Clay	Note1: Coarse	Note2: Rusty Rock Chip	
1060605	651768	6787417	GPS_NAD83_Z07N	50	Sphagnum Moss < 3	Dark Brown	B	Subtle Slope	Clay	Note1: Coarse	Note2: Rocky Sample	
1060606	651767	6787468	GPS_NAD83_Z07N	80	Sphagnum Moss < 3	Dark Olivine Green	C	Subtle Slope	Clay	Note1: Coarse	Note2: Rocky	
1060607	651760	6787519	GPS_NAD83_Z07N	40	Rock Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Bright Orange Ru	Note2: Rocky Terrain	
1060608	651755	6787569	GPS_NAD83_Z07N	40	Rock Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Rocky Terrain	Note2: Coarse	
1060609	651754	6787619	GPS_NAD83_Z07N	40	Rock Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Rocky Terrain	Note2: Partially Frozen	

SAMPLE D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1060610	651748	6787669	GPS_NAD83_Z07N	60	Rock Cover	Dark Olivine Green	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060611	651751	6787721	GPS_NAD83_Z07N	50	Sphagnum Moss < 3	Dark Olivine Green	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060612	651749	6787774	GPS_NAD83_Z07N	60	Sphagnum Moss < 3	Dark Olivine Green	B	Subtle Slope	Sand	Note1: Clay	Note2: Rocky	
1060613	651740	6787824	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Clay	
1060614	651738	6787875	GPS_NAD83_Z07N	50	Sphagnum Moss < 3	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1060615	651734	6787926	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060616	651720	6787976	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1060617	651707	6788026	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Rocky	Note2: Coarse	
1060619	651700	6788076	GPS_NAD83_Z07N	50	Sphagnum Moss < 3	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060620	651688	6788125	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060621	651676	6788176	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Olivine Green	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060622	651660	6788225	GPS_NAD83_Z07N	100	Sphagnum Moss < 3	Chocolate Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060623	651642	6788273	GPS_NAD83_Z07N	40	Sphagnum Moss < 3	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1060624	651613	6788316	GPS_NAD83_Z07N	70	Sphagnum Moss < 3	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060625	651594	6788363	GPS_NAD83_Z07N	40	Rock Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1060626	651595	6788413	GPS_NAD83_Z07N	50	Rock Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060627	651556	6788506	GPS_NAD83_Z07N	40	Sphagnum Moss < 3	Chocolate Brown	B	Subtle Slope	Sand	Note1: Fine	Note2: Rocky	
1060628	651537	6788555	GPS_NAD83_Z07N	50	Sphagnum Moss < 3	Dark Brown	C	Subtle Slope	Clay	Note1: Fine	Note2:	
1060629	651532	6788606	GPS_NAD83_Z07N	50	Sphagnum Moss < 3	Dark Brown	B	Subtle Slope	Clay	Note1: Fine	Note2: Quartz Chips	
1060630	651516	6788654	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Brown	C	Subtle Slope	Clay	Note1: Fine	Note2:	
1060631	651510	6788704	GPS_NAD83_Z07N	50	Sphagnum Moss < 3	Dark Brown	C	Subtle Slope	Clay	Note1: Fine	Note2: Dull Red Rust	
1060632	651504	6788754	GPS_NAD83_Z07N	90	Grass Cover	Dark Brown	C	Subtle Slope	Clay	Note1: Possible Creek Co	Note2: Fine	
1060633	651500	6788807	GPS_NAD83_Z07N	50	Sphagnum Moss < 3	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060634	651502	6788857	GPS_NAD83_Z07N	80	Grass Cover	Dark Brown	C	Subtle Slope	Clay	Note1: Fine	Note2: Sandy	
1060635	644980	6788619	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060636	645014	6788582	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Clay	Note2: Rocky	
1060637	645050	6788549	GPS_NAD83_Z07N	60	Reindeer Lichen	Dark Brown	C	Subtle Slope	Sand	Note1: Rocky Sample	Note2: Fine	
1060651	646055	6786428	GPS_NAD83_Z07N	40	Sphagnum Moss < 3	Bluish Grey	B	Subtle Slope	Sand	Note1: Clay	Note2: Organic 10%	
1060652	646096	6786461	GPS_NAD83_Z07N	40	Thin Moss Cover	Bluish Grey	B	Subtle Slope	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1060653	646129	6786501	GPS_NAD83_Z07N	40	Bare Soil	Grey	B	Subtle Slope	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1060654	646170	6786534	GPS_NAD83_Z07N	60	Sphagnum Moss < 3	Bluish Grey	B	Subtle Slope	Clay	Note1: Organic 25%	Note2: Rocky Sample	
1060656	646209	6786566	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	B	Subtle Slope	Sand	Note1: Clay	Note2: Organic 10%	
1060657	646249	6786600	GPS_NAD83_Z07N	50	Sphagnum Moss < 3	Grey	B	Flat	Clay	Note1: Organic 10%	Note2: Rocky	
1060658	646288	6786634	GPS_NAD83_Z07N	40	Sphagnum Moss < 3	Bluish Grey	B	Subtle Slope	Clay	Note1: Partially Frozen	Note2: Organic 10%	
1060659	646318	6786676	GPS_NAD83_Z07N	40	Reindeer Lichen	Bluish Grey	B	Subtle Slope	Clay	Note1: Organic 10%	Note2: Partially Frozen	
1060660	646338	6786724	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Grey Black	B	Subtle Slope	Clay	Note1: Partially Frozen	Note2: Organic 10%	
1060661	646362	6786768	GPS_NAD83_Z07N	20	Sphagnum Moss < 3	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Partially Frozen	
1060662	646383	6786815	GPS_NAD83_Z07N	50	Sphagnum Moss < 3	Bluish Grey	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1060663	646414	6786855	GPS_NAD83_Z07N	40	Reindeer Lichen	Grey	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1060664	646441	6786898	GPS_NAD83_Z07N	30	Sphagnum Moss < 3	Grey	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1060665	646479	6786932	GPS_NAD83_Z07N	40	Sphagnum Moss < 3	Grey	B	Pronounced Slope	Clay	Note1: Organic 25%	Note2: Coarse	
1060666	646523	6786958	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Rocky Sample	Note2: Organic 10%	
1060667	646567	6786986	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2: Rocky Sample	

SAMPLE ID	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1060668	643399	6786447	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Organic 25%	Note2: Rocky Sample	
1060669	643364	6786407	GPS_NAD83_Z07N	20	Thin Moss Cover	Dark Brown	A	Flat	Silt	Note1: Organic 25%	Note2: Rocky Terrain	
1060670	643336	6786367	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Flat	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1060671	643299	6786330	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Flat	Sand	Note1: Organic 10%	Note2: Fine	
1060672	643267	6786290	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Subtle Slope	Sand	Note1: Fine	Note2: Rocky Sample	
1060673	643233	6786252	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Flat	Silt	Note1: Organic 10%	Note2: Rocky Sample	
1060674	643206	6786207	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Subtle Slope	Silt	Note1: Organic 10%	Note2: Rocky Sample	
1060675	643170	6786171	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Flat	Sand	Note1: Fine	Note2: Organic 25%	
1060676	643149	6786125	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Flat	Silt	Note1: Organic 10%	Note2: Rocky Sample	
1060677	643126	6786079	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Silt	Note1: Organic 10%	Note2: Rocky Terrain	
1060678	643102	6786034	GPS_NAD83_Z07N	20	Rock Cover	Chocolate Brown	A	Pronounced Slope	Silt	Note1: Organic 50%	Note2: Rocky Terrain	
1060679	643072	6785993	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Organic 10%	Note2: Rocky Sample	
1060680	643046	6785948	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Organic 10%	Note2: Fine	
1060681	643022	6785902	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Silt	Note1: Organic 10%	Note2: Rocky Sample	
1060682	642996	6785858	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Subtle Slope	Silt	Note1: Organic 10%	Note2: Rocky Sample	
1060683	642972	6785812	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	A	Flat	Silt	Note1: Organic 25%	Note2: Rocky Terrain	
1060684	642949	6785769	GPS_NAD83_Z07N	20	Thin Moss Cover	Chocolate Brown	A	Subtle Slope	Silt	Note1: Rocky Terrain	Note2: Organic 25%	
1060685	642922	6785725	GPS_NAD83_Z07N	40	Rock Cover	Chocolate Brown	B	Subtle Slope	Silt	Note1: Organic 25%	Note2: Rocky Sample	
1060686	642882	6785692	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Organic 25%	Note2: Fine	
1060687	642843	6785658	GPS_NAD83_Z07N	40	Grass Cover	Grey	B	Subtle Slope	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1060688	642809	6785618	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Subtle Slope	Silt	Note1: Organic 10%	Note2: Rocky Sample	
1060689	642776	6785577	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Silt	Note1: Organic 10%	Note2: Rocky Sample	
1060690	642739	6785539	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Clay	Note2: Organic 10%	
1060691	642700	6785506	GPS_NAD83_Z07N	50	Leaf Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1060692	642660	6785474	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1060693	642619	6785441	GPS_NAD83_Z07N	50	Thin Moss Cover	Bluish Grey	B	Flat	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1060695	642582	6785406	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Rocky Sample	Note2:	
1060696	642542	6785374	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Steep	Sand	Note1: Organic 25%	Note2: Rocky Terrain	
1060697	642516	6785331	GPS_NAD83_Z07N	30	Bare Soil	Dark Grey Black	A	Subtle Slope	Sand	Note1: Organic 25%	Note2: Rocky Terrain	
1060698	642498	6785283	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Grey Black	B	Subtle Slope	Sand	Note1: Organic 10%	Note2: Rocky Terrain	
1060699	642488	6785233	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Subtle Slope	Silt	Note1: Organic 25%	Note2: Rocky Sample	
1060700	642485	6785181	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2: Rocky Terrain	
1060918	653693	6789796	GPS_NAD83_Z07N	40	Rock Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1060919	653733	6789826	GPS_NAD83_Z07N	40	Rock Cover	Dark Olivine Green	B	Subtle Slope	Sand	Note1: Rocky	Note2: Coarse	
1060920	653772	6789860	GPS_NAD83_Z07N	40	Rock Cover	Dark Olivine Green	C	Subtle Slope	Sand	Note1: Rocky	Note2: Coarse	
1060921	653822	6789869	GPS_NAD83_Z07N	50	Rock Cover	Dark Olivine Green	C	Subtle Slope	Sand	Note1: Fine	Note2: Rocky	
1060922	653870	6789883	GPS_NAD83_Z07N	50	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060923	653920	6789897	GPS_NAD83_Z07N	60	Reindeer Lichen	Dark Olivine Green	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rusty Rock Chip	
1060924	653968	6789907	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Fine	
1060925	654018	6789908	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1060926	654068	6789899	GPS_NAD83_Z07N	40	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Bright Orange Ru	Note2: Rocky Sample	
1060927	654116	6789885	GPS_NAD83_Z07N	50	Rock Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1060928	654165	6789867	GPS_NAD83_Z07N	70	Reindeer Lichen	Dark Grey Black	C	Flat	Sand	Note1: Bright Orange Ru	Note2: Rocky Sample	

SAMPLE D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1060929	654202	6789836	GPS_NAD83_Z07N	40	Rock Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Outcrop Nearby	Note2: Coarse	
1060930	654237	6789799	GPS_NAD83_Z07N	50	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Rusty Rock Chip	Note2: Coarse	
1060931	654244	6789749	GPS_NAD83_Z07N	40	Rock Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rusty Rock Chip	
1060932	654256	6789700	GPS_NAD83_Z07N	60	Reindeer Lichen	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1060933	654268	6789651	GPS_NAD83_Z07N	50	Rock Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Rocky	Note2: Organic 10%	
1060934	654281	6789603	GPS_NAD83_Z07N	70	Reindeer Lichen	Dark Brown	C	Pronounced Slope	Sand	Note1: Rocky	Note2: Coarse	
1060936	654292	6789554	GPS_NAD83_Z07N	60	Rock Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Rocky Terrain	Note2: Coarse	
1060937	654304	6789506	GPS_NAD83_Z07N	60	Reindeer Lichen	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060938	654318	6789455	GPS_NAD83_Z07N	40	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Rocky	Note2: Clay	
1060939	654323	6789405	GPS_NAD83_Z07N	70	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060940	654336	6789359	GPS_NAD83_Z07N	60	Rock Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1060941	654347	6789309	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1060942	654361	6789259	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky Terrain	
1060943	654390	6789218	GPS_NAD83_Z07N	80	Grass Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Fine	Note2: Clay	
1060944	654397	6789167	GPS_NAD83_Z07N	60	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060945	654415	6789119	GPS_NAD83_Z07N	50	Grass Cover	Dark Olivine Green	B	Pronounced Slope	Sand	Note1: Rocky Sample	Note2: Coarse	
1060946	654447	6789076	GPS_NAD83_Z07N	70	Grass Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Fine	Note2: Sandy	
1060947	654477	6789034	GPS_NAD83_Z07N	70	Grass Cover	Dark Olivine Green	C	Pronounced Slope	Clay	Note1: Coarse	Note2: Sandy	
1060948	654490	6788985	GPS_NAD83_Z07N	70	Grass Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Bright Orange Ru	Note2: Coarse	
1060949	654496	6788934	GPS_NAD83_Z07N	80	Grass Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Clay	
1060950	654536	6788901	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Clay	Note2: Rusty Rock Chip	
1060953	651841	6784890	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060966	651935	6784930	GPS_NAD83_Z07N	40	Grass Cover	Greyish Green	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060967	651888	6784910	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1060968	651185	6784643	GPS_NAD83_Z07N	50	Leaf Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060969	651138	6784620	GPS_NAD83_Z07N	70	Bare Soil	Bluish Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060971	651096	6784589	GPS_NAD83_Z07N	60	Leaf Cover	Grey	C	Pronounced Slope	Clay	Note1: Dull Red Rust	Note2:	
1060972	651049	6784563	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060973	650998	6784548	GPS_NAD83_Z07N	70	Leaf Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060974	650954	6784516	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060975	650915	6784483	GPS_NAD83_Z07N	80	Leaf Cover	Bluish Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060976	650866	6784461	GPS_NAD83_Z07N	40	Leaf Cover	Bluish Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060977	650820	6784435	GPS_NAD83_Z07N	70	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060978	650778	6784405	GPS_NAD83_Z07N	50	Grass Cover	Dark Grey Black	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060979	650739	6784370	GPS_NAD83_Z07N	60	Grass Cover	Dark Grey Black	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060980	650706	6784331	GPS_NAD83_Z07N	60	Leaf Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060981	650657	6784313	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060982	650617	6784278	GPS_NAD83_Z07N	70	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060983	650575	6784249	GPS_NAD83_Z07N	60	Leaf Cover	Bluish Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060984	650547	6784207	GPS_NAD83_Z07N	60	Sphagnum Moss < 3	Dark Grey Black	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060985	650521	6784199	GPS_NAD83_Z07N	70	Leaf Cover	Grey	C	Pronounced Slope	Clay	Note1:	Note2:	
1060986	648056	6790009	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	C	Pronounced Slope	Clay	Note1: Coarse	Note2: Partially Frozen	
1060987	648080	6789956	GPS_NAD83_Z07N	40	Rock Cover	Dark Grey Black	C	Pronounced Slope	Clay	Note1: Rocky Terrain	Note2:	

SAMPLE ID	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1060988	648094	6789905	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Pronounced Slope	Clay	Note1: Rocky Terrain	Note2:	
1060989	648120	6789862	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2: Small Sample	
1060990	648136	6789814	GPS_NAD83_Z07N	40	Rock Cover	Grey	B	Steep	Clay	Note1: Organic 10%	Note2:	
1060991	648160	6789770	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Steep	Sand	Note1: Coarse	Note2: Clay	
1060992	648181	6789725	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060993	648204	6789678	GPS_NAD83_Z07N	50	Grass Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060994	648234	6789637	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060995	648269	6789600	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	O	Pronounced Slope	Sand	Note1: Clay	Note2:	
1060996	648292	6789555	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1060997	648308	6789507	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1060998	648335	6789464	GPS_NAD83_Z07N	40	Rock Cover	Chocolate Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1060999	648349	6789416	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Rocky Sample	
1061000	648372	6789370	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Coarse	
1061101	655788	6785010	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Coarse	Note2: Rocky	
1061102	655782	6784959	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1061104	655763	6784911	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1061105	655750	6784863	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Sample	
1061106	655734	6784816	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Sandy	
1061107	655725	6784766	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Sandy	
1061108	655710	6784717	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Coarse	
1061109	655698	6784668	GPS_NAD83_Z07N	70	Grass Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Sandy	
1061110	655695	6784618	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Coarse	
1061111	649954	6787984	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Sandy	
1061112	649990	6788019	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Flat	Sand	Note1: Coarse	Note2: Sandy	
1061113	650028	6788054	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Flat	Sand	Note1: Coarse	Note2: Sandy	
1061114	650064	6788090	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Flat	Sand	Note1: Coarse	Note2: Clay	
1061115	650101	6788126	GPS_NAD83_Z07N	30	Grass Cover	Dark Grey Black	C	Flat	Sand	Note1: Clay	Note2: Coarse	
1061116	650132	6788165	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Flat	Sand	Note1: Coarse	Note2: Sandy	
1061118	650168	6788206	GPS_NAD83_Z07N	20	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Coarse	Note2: Rocky Sample	
1061119	650205	6788239	GPS_NAD83_Z07N	20	Grass Cover	Grey	C	Flat	Sand	Note1: Coarse	Note2: Sandy	
1061120	650244	6788273	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Flat	Sand	Note1: Coarse	Note2: Sandy	
1061121	650279	6788309	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Flat	Sand	Note1: Clay	Note2: Coarse	
1061122	650305	6788352	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Flat	Sand	Note1: Coarse	Note2: Clay	
1061123	650335	6788393	GPS_NAD83_Z07N	30	Grass Cover	Grey	C	Flat	Sand	Note1: Clay	Note2: Sandy	
1061124	650367	6788432	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Flat	Sand	Note1: Clay	Note2: Sandy	
1061125	650394	6788475	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Flat	Sand	Note1: Coarse	Note2: Clay	
1061126	650425	6788518	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Clay	Note2: Coarse	
1061127	650461	6788556	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Sandy	
1061128	650487	6788600	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Coarse	
1061129	650517	6788640	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Flat	Sand	Note1: Coarse	Note2: Clay	
1061130	650543	6788684	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Flat	Sand	Note1: Clay	Note2: Coarse	
1061131	650582	6788717	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Flat	Sand	Note1: Coarse	Note2: Clay	
1061132	650616	6788755	GPS_NAD83_Z07N	70	Grass Cover	Grey	C	Flat	Sand	Note1: Clay	Note2: Coarse	

SAMPLE ID	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1061134	650648	6788795	GPS_NAD83_Z07N	70	Grass Cover	Grey	C	Flat	Sand	Note1: Coarse	Note2: Clay	
1061135	650681	6788833	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Sandy	
1061136	650714	6788871	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Flat	Clay	Note1: Volcanic Ash	Note2: Clay	
1061137	650752	6788904	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Sandy	
1061138	650794	6788934	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Flat	Sand	Note1: Clay	Note2: Sandy	
1061139	650830	6788968	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Flat	Sand	Note1: Clay	Note2: Coarse	
1061140	650865	6789005	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Flat	Sand	Note1: Clay	Note2: Coarse	
1061141	650904	6789038	GPS_NAD83_Z07N	30	Grass Cover	Bluish Grey	C	Flat	Sand	Note1: Clay	Note2: Coarse	
1061142	650940	6789074	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Flat	Sand	Note1: Clay	Note2: Coarse	
1061143	650979	6789105	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	C	Flat	Sand	Note1: Rocky Sample	Note2: Clay	
1061144	651015	6789140	GPS_NAD83_Z07N	30	Grass Cover	Grey	C	Flat	Sand	Note1: Clay	Note2: Coarse	
1061145	651031	6789179	GPS_NAD83_Z07N	30	Grass Cover	Dark Grey Black	B	Flat	Clay	Note1: Clay	Note2: Sandy	
1061201	653268	6787877	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	A	Steep	Clay	Note1: Organic 10%	Note2: Rocky	
1061202	653312	6787902	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Steep	Clay	Note1: Partially Frozen	Note2: Organic 10%	
1061203	653351	6787936	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	B	Steep	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1061204	653387	6787972	GPS_NAD83_Z07N	40	Sphagnum Moss < 3	Grey	B	Steep	Sand	Note1: Small Sample	Note2: Organic 25%	
1061205	653423	6788007	GPS_NAD83_Z07N	30	Thin Moss Cover	Grey	B	Pronounced Slope	Sand	Note1: Rocky Sample	Note2: Organic 10%	
1061206	653462	6788039	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Rocky Sample	Note2: Organic 10%	
1061207	651503	6787018	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Grey Black	B	Steep	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1061208	651463	6786985	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Steep	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1061209	651430	6786947	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Steep	Sand	Note1: Organic 25%	Note2: Rocky Terrain	
1061210	651397	6786908	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Steep	Clay	Note1: Organic 25%	Note2: Rocky Sample	
1061211	651366	6786868	GPS_NAD83_Z07N	20	Thin Moss Cover	Dark Brown	B	Steep	Sand	Note1: Organic 25%	Note2: Rocky Terrain	
1061212	651333	6786829	GPS_NAD83_Z07N	50	Grass Cover	Chocolate Brown	B	Steep	Sand	Note1: Fine	Note2: Organic 25%	
1061213	651301	6786789	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 25%	Note2: Rocky Terrain	
1061214	651271	6786747	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	B	Steep	Sand	Note1: Organic 25%	Note2: Rocky Terrain	
1061215	651238	6786709	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Clay	Note2: Organic 25%	
1061216	651204	6786670	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Organic 10%	
1061217	651175	6786627	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Fine	Note2: Organic 10%	
1061218	651145	6786586	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Organic 25%	Note2: Fine	
1061219	651113	6786548	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2: Rocky Terrain	
1061220	651083	6786506	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 25%	Note2: Rocky Sample	
1061221	651050	6786465	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Clay	Note2: Organic 10%	
1061222	651019	6786424	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Sandy	
1061223	650989	6786382	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Subtle Slope	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1061224	650958	6786341	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Clay	Note2: Rocky Sample	
1061225	650929	6786300	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	A	Flat	Sand	Note1: Organic 50%	Note2: Rocky Sample	
1061226	650897	6786260	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Organic 10%	
1061227	650866	6786218	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1061228	650832	6786180	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Fine	Note2: Organic 10%	
1061229	650806	6786137	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 25%	Note2: Rocky Sample	
1061231	650773	6786099	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Fine	
1061232	650740	6786059	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Organic 25%	

SAMPLE D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1061233	650705	6786022	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Organic 10%	
1061234	650671	6785987	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Fine	
1061235	645498	6785829	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 25%	Note2: Rocky Terrain	
1061236	645535	6785864	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Clay	Note2: Organic 10%	
1061237	645574	6785898	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Clay	Note2: Organic 10%	
1061238	645610	6785933	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Clay	Note2: Organic 10%	
1061239	645645	6785970	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1061240	645681	6786005	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Clay	Note2: Organic 10%	
1061241	645719	6786040	GPS_NAD83_Z07N	40	Sphagnum Moss < 3	Dark Grey Black	B	Subtle Slope	Clay	Note1: Rocky Sample	Note2: Rocky Terrain	
1061242	645751	6786079	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Grey Black	B	Subtle Slope	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1061243	645783	6786120	GPS_NAD83_Z07N	40	Reindeer Lichen	Bluish Grey	B	Subtle Slope	Sand	Note1: Rocky Sample	Note2: Wet Soil	
1061244	645819	6786157	GPS_NAD83_Z07N	50	Grass Cover	Bluish Grey	B	Subtle Slope	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1061245	645852	6786197	GPS_NAD83_Z07N	50	Thin Moss Cover	Bluish Grey	B	Subtle Slope	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1061246	645886	6786236	GPS_NAD83_Z07N	40	Sphagnum Moss < 3	Dark Grey Black	B	Subtle Slope	Sand	Note1: Organic 25%	Note2: Rocky Sample	
1061247	645919	6786274	GPS_NAD83_Z07N	30	Grass Cover	Dark Blue Black	B	Subtle Slope	Sand	Note1: Organic 25%	Note2: Rocky	
1061248	645950	6786314	GPS_NAD83_Z07N	40	Sphagnum Moss < 3	Bluish Grey	B	Subtle Slope	Clay	Note1: Organic 25%	Note2: Rocky Sample	
1061249	645985	6786351	GPS_NAD83_Z07N	50	Sphagnum Moss < 3	Bluish Grey	B	Subtle Slope	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1061250	646016	6786394	GPS_NAD83_Z07N	30	Sphagnum Moss < 3	Dark Grey Black	B	Subtle Slope	Sand	Note1: Partially Frozen	Note2: Small Sample	
1061272	652039	6787669	GPS_NAD83_Z07N	20	Thin Moss Cover	Dark Grey Black	B	Subtle Slope	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1061273	652065	6787713	GPS_NAD83_Z07N	50	Thin Moss Cover	Bluish Grey	B	Flat	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1061275	652088	6787761	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Flat	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1061276	652111	6787805	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Flat	Sand	Note1: Sandy	Note2: Rocky Sample	
1061277	652138	6787848	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Organic 10%	Note2: Sandy	
1061278	652164	6787893	GPS_NAD83_Z07N	70	Thin Moss Cover	Grey	C	Flat	Sand	Note1: Clay	Note2: Rocky Sample	
1061280	652212	6787915	GPS_NAD83_Z07N	60	Thin Moss Cover	Grey	C	Subtle Slope	Sand	Note1: Clay	Note2: Rocky Sample	
1061281	652260	6787934	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	B	Subtle Slope	Sand	Note1: Rocky Sample	Note2: Organic 10%	
1061282	652310	6787950	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Blue Black	B	Subtle Slope	Sand	Note1: Sandy	Note2: Rocky Terrain	
1061283	652359	6787948	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1061284	652410	6787942	GPS_NAD83_Z07N	70	Thin Moss Cover	Grey	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1061285	652462	6787940	GPS_NAD83_Z07N	60	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Sandy	
1061286	652513	6787936	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Clay	Note2: Organic 25%	
1061287	652564	6787934	GPS_NAD83_Z07N	70	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1061288	652615	6787929	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1061289	652666	6787928	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1061290	652716	6787925	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1061291	652767	6787921	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Clay	
1061292	652818	6787917	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Steep	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1061293	652867	6787907	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky Terrain	
1061294	652918	6787897	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	B	Subtle Slope	Sand	Note1: Clay	Note2: Rocky Sample	
1061295	652967	6787886	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 25%	Note2: Rocky Sample	
1061296	653018	6787881	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Clay	
1061297	653067	6787872	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Steep	Sand	Note1: Organic 25%	Note2: Clay	
1061298	653117	6787864	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	B	Steep	Sand	Note1: Organic 25%	Note2: Clay	

SAMPLE ID	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1061299	653169	6787860	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	B	Steep	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1061300	653221	6787859	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	B	Steep	Clay	Note1: Organic 10%	Note2: Rocky Sample	
1061347	644148	6789456	GPS_NAD83_Z07N	30	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Rocky Sample	Note2:	
1061348	643757	6788152	GPS_NAD83_Z07N	50	Grass Cover	Grey	B	Subtle Slope	Clay	Note1: Coarse	Note2: Rocky Sample	
1061349	643758	6788203	GPS_NAD83_Z07N	70	Grass Cover	Grey	B	Subtle Slope	Clay	Note1: Coarse	Note2:	
1061350	643766	6788253	GPS_NAD83_Z07N	50	Grass Cover	Dark Grey Black	B	Subtle Slope	Clay	Note1: Coarse	Note2:	
1061351	652436	6788385	GPS_NAD83_Z07N	40	Rock Cover	Dark Grey Black	C	Flat	Sand	Note1: Coarse	Note2: Clay	
1061352	652430	6788434	GPS_NAD83_Z07N	40	Rock Cover	Dark Grey Black	C	Flat	Sand	Note1: Rocky Sample	Note2: Quartz Chips	
1061353	652420	6788484	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1061354	652412	6788535	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Rocky	Note2:	
1061355	652403	6788585	GPS_NAD83_Z07N	50	Grass Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1061356	652395	6788635	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Quartz Chips	
1061357	652383	6788684	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2: Quartz Chips	
1061358	652374	6788733	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Rocky	Note2: Organic 10%	
1061359	652364	6788783	GPS_NAD83_Z07N	50	Grass Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Possible Creek Contamination	
1061360	652355	6788833	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1061361	652351	6788883	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1061362	652346	6788933	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1061363	652338	6788982	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky	
1061364	652337	6789033	GPS_NAD83_Z07N	50	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1061365	652338	6789082	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Quartz Chips	
1061366	652338	6789133	GPS_NAD83_Z07N	50	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Rocky	Note2: Rocky Sample	
1061367	652340	6789183	GPS_NAD83_Z07N	40	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Rocky Sample	Note2: Organic 10%	
1061368	652340	6789233	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1061370	652340	6789283	GPS_NAD83_Z07N	30	Rock Cover	Bluish Grey	C	Steep	Sand	Note1: Rocky	Note2:	
1061371	652342	6789334	GPS_NAD83_Z07N	40	Rock Cover	Grey	C	Pronounced Slope	Sand	Note1: Rocky	Note2:	
1061372	652345	6789385	GPS_NAD83_Z07N	50	Grass Cover	Dark Grey Black	B	Pronounced Slope	Clay	Note1: Organic 50%	Note2: Rocky	
1061373	652350	6789435	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1061374	652360	6789485	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Grey Black	B	Pronounced Slope	Clay	Note1: Coarse	Note2: Organic 10%	
1061375	652385	6789528	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Rocky	Note2:	
1061376	652419	6789621	GPS_NAD83_Z07N	50	Grass Cover	Dark Grey Black	B	Pronounced Slope	Clay	Note1: Organic 50%	Note2:	
1061377	652421	6789671	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Pronounced Slope	Sand	Note1: Rocky	Note2:	
1061378	652424	6789721	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Rocky	Note2:	
1061379	652427	6789772	GPS_NAD83_Z07N	50	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1061380	652433	6789822	GPS_NAD83_Z07N	70	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Coarse	Note2: Organic 10%	
1061381	652437	6789873	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1061382	652444	6789923	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1061384	652450	6789973	GPS_NAD83_Z07N	50	Grass Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1061385	651766	6787220	GPS_NAD83_Z07N	50	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1061386	651723	6787247	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1061387	651682	6787277	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1061388	651642	6787309	GPS_NAD83_Z07N	30	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1061389	651600	6787336	GPS_NAD83_Z07N	30	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	

SAMPLE D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1061390	651558	6787364	GPS_NAD83_Z07N	30	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1061391	651516	6787392	GPS_NAD83_Z07N	40	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1061392	651477	6787424	GPS_NAD83_Z07N	30	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1061393	651439	6787456	GPS_NAD83_Z07N	5	Rock Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1061394	651402	6787492	GPS_NAD83_Z07N	20	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1061395	651361	6787521	GPS_NAD83_Z07N	30	Grass Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1061396	651322	6787552	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1061397	651281	6787582	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1061398	651240	6787612	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Coarse	Note2: Rocky Terrain	
1061399	651194	6787631	GPS_NAD83_Z07N	30	Grass Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1061451	654217	6786268	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Grey Black	C	Subtle Slope	Clay	Note1: Rocky Sample	Note2:	
1061452	654255	6786301	GPS_NAD83_Z07N	20	Thin Moss Cover	Dark Grey Black	C	Pronounced Slope	Clay	Note1: Rocky	Note2:	
1061453	654293	6786333	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rocky	Note2: Quartz Chips	
1061454	654327	6786371	GPS_NAD83_Z07N	20	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Clay	Note1: Rocky Sample	Note2:	
1061455	654365	6786404	GPS_NAD83_Z07N	20	Grass Cover	Dark Olivine Green	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2:	
1061456	654398	6786443	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Rocky Sample	Note2:	
1061457	654420	6786490	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Rocky	Note2:	
1061458	654446	6786533	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Outcrop Nearby	Note2:	
1061459	654464	6786581	GPS_NAD83_Z07N	40	Grass Cover	Bluish Grey	C	Pronounced Slope	Clay	Note1: Rocky	Note2:	
1061460	654487	6786628	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Grey Black	B	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1061461	654507	6786675	GPS_NAD83_Z07N	20	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Rocky Sample	Note2:	
1061462	654529	6786721	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Organic 10%	Note2: Rocky Terrain	
1061463	654554	6786764	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rocky Sample	Note2:	
1061464	654574	6786811	GPS_NAD83_Z07N	50	Grass Cover	Bluish Grey	C	Pronounced Slope	Clay	Note1: Rocky	Note2:	
1061465	654605	6786852	GPS_NAD83_Z07N	50	Grass Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Quartz Chips	Note2:	
1061466	654630	6786896	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rocky	Note2: Outcrop Nearby	
1061467	654662	6786936	GPS_NAD83_Z07N	50	Grass Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rocky Sample	Note2: Quartz Chips	
1061468	654693	6786976	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	C	Pronounced Slope	Clay	Note1: Rocky	Note2:	
1061469	654717	6787022	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Rocky Sample	Note2:	
1061470	654749	6787062	GPS_NAD83_Z07N	20	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Mud	Note2:	
1061471	654775	6787104	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2:	
1061472	654801	6787146	GPS_NAD83_Z07N	40	Grass Cover	Bluish Grey	B	Pronounced Slope	Clay	Note1: Quartz Chips	Note2:	
1061473	654828	6787190	GPS_NAD83_Z07N	50	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Rocky	Note2:	
1061474	654860	6787230	GPS_NAD83_Z07N	60	Grass Cover	Grey	C	Pronounced Slope	Clay	Note1: Rocky	Note2:	
1061476	654886	6787272	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Mud	Note2:	
1061477	654912	6787316	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	B	Pronounced Slope	Clay	Note1: Organic 10%	Note2:	
1061478	654934	6787363	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Pronounced Slope	Clay	Note1: Coarse	Note2:	
1061479	654965	6787404	GPS_NAD83_Z07N	50	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Rocky	Note2:	
1061480	654996	6787445	GPS_NAD83_Z07N	60	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Mud	Note2:	
1061481	655057	6787526	GPS_NAD83_Z07N	50	Grass Cover	Grey	B	Pronounced Slope	Clay	Note1: Rocky Sample	Note2:	
1061482	655082	6787570	GPS_NAD83_Z07N	50	Grass Cover	Grey	B	Subtle Slope	Clay	Note1: Coarse	Note2:	
1061483	655030	6787482	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	B	Pronounced Slope	Clay	Note1: Mud	Note2: Rocky	
1080501	642038	6788266	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	

SAMPLE ID	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1080502	641987	6788265	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Outcrop Nearby	
1080503	641948	6788231	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Outcrop Nearby	
1080504	641902	6788209	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2: Outcrop Nearby	
1080505	641858	6788184	GPS_NAD83_Z07N	20	Rock Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Outcrop Nearby	
1080507	641818	6788155	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Subtle Slope	Clay	Note1: Coarse	Note2: Outcrop Nearby	
1080508	641777	6788125	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rocky Terrain	Note2: Outcrop Nearby	
1080509	641741	6788088	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Outcrop Nearby	Note2:	
1080510	641697	6788058	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	B	Subtle Slope	Clay	Note1: Coarse	Note2: Outcrop Nearby	
1080511	641648	6788041	GPS_NAD83_Z07N	20	Grass Cover	Dark Blue Black	C	Pronounced Slope	Sand	Note1: Rocky Terrain	Note2: Outcrop Nearby	
1080512	641605	6788066	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Steep	Sand	Note1: Wet Soil	Note2: Organic 10%	
1080513	641525	6788001	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Sandy	Note2: Outcrop Nearby	
1080514	641500	6787957	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Small Sample	
1080515	641475	6787911	GPS_NAD83_Z07N	30	Grass Cover	Dark Blue Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Clay	
1080516	641450	6787867	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Subtle Slope	Clay	Note1: Coarse	Note2:	
1080517	641434	6787818	GPS_NAD83_Z07N	20	Grass Cover	Dark Brown	B	Subtle Slope	Clay	Note1: Outcrop Nearby	Note2:	
1080518	641398	6787781	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Pronounced Slope	Sand	Note1: Clay	Note2: Outcrop Nearby	
1080519	641367	6787741	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Subtle Slope	Clay	Note1:	Note2:	
1080520	641324	6787710	GPS_NAD83_Z07N	30	Grass Cover	Bluish Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Outcrop Nearby	
1080521	641288	6787677	GPS_NAD83_Z07N	30	Rock Cover	Bluish Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Outcrop Nearby	
1080522	641238	6787660	GPS_NAD83_Z07N	30	Grass Cover	Light Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Outcrop Nearby	
1080523	641189	6787669	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Outcrop Nearby	
1080524	641137	6787668	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Outcrop Nearby	
1080525	641084	6787663	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Clay	Note2: Coarse	
1080527	641036	6787644	GPS_NAD83_Z07N	50	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Outcrop Nearby	
1080601	644825	6786570	GPS_NAD83_Z07N	30	Reindeer Lichen	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1080602	644784	6786601	GPS_NAD83_Z07N	30	Rock Cover	Chocolate Brown	B	Pronounced Slope	Silt	Note1: Sandy	Note2: Rocky Terrain	
1080603	644755	6786643	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2:	
1080604	644715	6786674	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2:	
1080605	644671	6786697	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Rocky Sample	Note2: Coarse	
1080606	644619	6786697	GPS_NAD83_Z07N	60	Thin Moss Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1080608	644569	6786699	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1080609	644516	6786696	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Fine	Note2: Quartz Chips	
1080610	644465	6786685	GPS_NAD83_Z07N	90	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1080611	644414	6786678	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Outcrop Nearby	
1080612	644364	6786693	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1080613	644313	6786685	GPS_NAD83_Z07N	70	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1080614	644263	6786684	GPS_NAD83_Z07N	20	Rock Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Outcrop Nearby	Note2: Fine	
1080615	644212	6786689	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Pronounced Slope	Silt	Note1: Sandy	Note2: Rocky Terrain	
1080616	644166	6786709	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1080617	644119	6786732	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Silt	Note1: Sandy	Note2: Rocky Terrain	
1080618	644068	6786726	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1080619	644017	6786731	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Subtle Slope	Silt	Note1: Rocky Terrain	Note2: Outcrop Nearby	
1080620	643972	6786753	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Coarse	Note2:	

SAMPLE D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1080621	643924	6786770	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Silt	Note1: Sandy	Note2: Rocky Terrain	
1080622	643873	6786772	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Subtle Slope	Silt	Note1: Sandy	Note2: Rocky Terrain	
1080623	643823	6786779	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Fine	Note2:	
1080624	643771	6786784	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Subtle Slope	Sand	Note1: Fine	Note2:	
1080625	643722	6786786	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1080626	643671	6786776	GPS_NAD83_Z07N	50	Thin Moss Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Organic 10%	Note2:	
1080627	643622	6786764	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1080628	643588	6786727	GPS_NAD83_Z07N	50	Grass Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2:	
1080630	643556	6786688	GPS_NAD83_Z07N	10	Thin Moss Cover	Dark Brown	B	Steep	Sand	Note1: Organic 10%	Note2: Coarse	
1080631	643538	6786642	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1080632	643503	6786607	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Coarse	Note2: Outcrop Nearby	
1080633	643471	6786565	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Subtle Slope	Silt	Note1: Organic 10%	Note2: Volcanic Ash	
1080634	643440	6786524	GPS_NAD83_Z07N	30	Rock Cover	Dark Brown	B	Pronounced Slope	Silt	Note1: Sandy	Note2: Outcrop Nearby	
1080635	643409	6786485	GPS_NAD83_Z07N	10	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Sand	Note1: Fine	Note2: Organic 10%	
1080734	653901	6787484	GPS_NAD83_Z07N	30	Rock Cover	Dark Grey Black	B	Flat	Clay	Note1: Rocky Sample	Note2: Rocky Terrain	
1080735	653935	6787522	GPS_NAD83_Z07N	20	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Sandy	Note2: Coarse	
1080736	653951	6787569	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Grey Black	B	Flat	Sand	Note1: Sandy	Note2: Clay	
1080737	653974	6787614	GPS_NAD83_Z07N	50	Reindeer Lichen	Dark Grey Black	C	Flat	Sand	Note1: Coarse	Note2:	
1080738	653994	6787660	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Grey Black	B	Subtle Slope	Sand	Note1: Sandy	Note2: Coarse	
1080739	654019	6787705	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Grey Black	B	Subtle Slope	Sand	Note1: Clay	Note2:	
1080740	654047	6787747	GPS_NAD83_Z07N	20	Reindeer Lichen	Dark Grey Black	B	Subtle Slope	Clay	Note1: Clay	Note2: Rocky Terrain	
1080741	654078	6787787	GPS_NAD83_Z07N	20	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Coarse	Note2: Organic 10%	
1080742	654115	6787822	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Grey Black	C	Subtle Slope	Sand	Note1: Fine	Note2: Rocky Terrain	
1080743	654110	6787873	GPS_NAD83_Z07N	40	Reindeer Lichen	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Coarse	Note2:	
1080744	654080	6787918	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Sandy	Note2: Coarse	
1080745	654060	6787965	GPS_NAD83_Z07N	20	Grass Cover	Dark Grey Black	C	Subtle Slope	Sand	Note1: Sandy	Note2:	
1080746	654028	6788004	GPS_NAD83_Z07N	30	Reindeer Lichen	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Sandy	Note2: Coarse	
1080747	651691	6787189	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Flat	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1080748	651648	6787159	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	B	Subtle Slope	Sand	Note1: Organic 10%	Note2: Rocky Sample	
1080749	651613	6787123	GPS_NAD83_Z07N	60	Thin Moss Cover	Dark Grey Black	B	Steep	Sand	Note1: Fine	Note2: Organic 10%	
1080750	651576	6787089	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Steep	Sand	Note1: Organic 10%	Note2: Clay	
1084171	652719	6790783	GPS_NAD83_Z07N	20	Reindeer Lichen	Chocolate Brown	B	Flat	Clay	Note1: Clay	Note2:	
1084172	652703	6790833	GPS_NAD83_Z07N	30	Reindeer Lichen	Chocolate Brown	B	Subtle Slope	Clay	Note1: Clay	Note2:	
1084173	652686	6790882	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Clay	Note2:	
1084174	652670	6790932	GPS_NAD83_Z07N	70	Thin Moss Cover	Grey	C	Subtle Slope	Clay	Note1: Clay	Note2:	
1084175	649057	6788764	GPS_NAD83_Z07N	50	Leaf Cover	Dark Grey Black	C	Pronounced Slope	Sand	Note1: Sandy	Note2: Rocky Sample	
1084176	649099	6788733	GPS_NAD83_Z07N	50	Grass Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Rocky Terrain	
1084177	648175	6788613	GPS_NAD83_Z07N	40	Grass Cover	Chocolate Brown	C	Pronounced Slope	Clay	Note1: Rocky	Note2: Quartz Chips	
1084178	648136	6788581	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Sandy	Note2: Organic 10%	
1084179	648098	6788550	GPS_NAD83_Z07N	20	Grass Cover	Chocolate Brown	B	Subtle Slope	Clay	Note1: Rocky	Note2: Volcanic Ash	
1084180	648078	6788504	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Rocky	
1084181	648070	6788455	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Sandy	Note2: Organic 10%	
1084182	648054	6788407	GPS_NAD83_Z07N	40	Rock Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Sandy	

SAMPLE D	Easting	Northing	Coord_Name	Samp_ Depth	Groundcover	Colour	Horiz on	Terrain	Texture	Samp_Comment		
1084183	648038	6788359	GPS_NAD83_Z07N	40	Grass Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1084184	648025	6788311	GPS_NAD83_Z07N	50	Grass Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1084185	648009	6788263	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1084186	647999	6788215	GPS_NAD83_Z07N	50	Bare Soil	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1084187	647990	6788166	GPS_NAD83_Z07N	70	Bare Soil	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1084188	647974	6788119	GPS_NAD83_Z07N	40	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1084189	647958	6788071	GPS_NAD83_Z07N	110	Leaf Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Sandy	Note2:	
1084190	647935	6788026	GPS_NAD83_Z07N	60	Grass Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Rocky	Note2: Clay	
1084191	647915	6787981	GPS_NAD83_Z07N	50	Leaf Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1084192	647897	6787934	GPS_NAD83_Z07N	30	Leaf Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1084193	647877	6787888	GPS_NAD83_Z07N	60	Thin Moss Cover	Bluish Grey	C	Pronounced Slope	Sand	Note1: Clay	Note2: Coarse	
1084194	647860	6787840	GPS_NAD83_Z07N	50	Thin Moss Cover	Bluish Grey	C	Pronounced Slope	Sand	Note1: Clay	Note2: Coarse	
1084195	647843	6787793	GPS_NAD83_Z07N	60	Leaf Cover	Bluish Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1084196	647824	6787747	GPS_NAD83_Z07N	70	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1084197	647808	6787700	GPS_NAD83_Z07N	60	Leaf Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1084198	647793	6787651	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Clay	
1084199	647777	6787604	GPS_NAD83_Z07N	80	Leaf Cover	Grey	B	Pronounced Slope	Clay	Note1: Rocky	Note2: Sandy	
1084200	651541	6787052	GPS_NAD83_Z07N	20	Thin Moss Cover	Dark Brown	B	Steep	Sand	Note1: Organic 25%	Note2: Rocky Terrain	
1084336	654520	6785311	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1084337	654482	6785277	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rocky	Note2: Sandy	
1084338	654449	6785240	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rocky	Note2: Sandy	
1084339	654411	6785206	GPS_NAD83_Z07N	50	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Rocky	Note2: Clay	
1084340	654370	6785175	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	B	Pronounced Slope	Clay	Note1: Rocky	Note2: Sandy	
1084341	654342	6785134	GPS_NAD83_Z07N	40	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Clay	Note2: Rocky	
1084342	648439	6788967	GPS_NAD83_Z07N	80	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1084343	648424	6788919	GPS_NAD83_Z07N	20	Rock Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Sandy	
1084344	648398	6788876	GPS_NAD83_Z07N	50	Thin Moss Cover	Grey	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky	
1084345	648363	6788841	GPS_NAD83_Z07N	30	Thin Moss Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Rocky	Note2: Organic 10%	
1084346	648338	6788797	GPS_NAD83_Z07N	20	Grass Cover	Chocolate Brown	C	Flat	Sand	Note1: Coarse	Note2: Rocky	
1084347	648315	6788753	GPS_NAD83_Z07N	70	Thin Moss Cover	Chocolate Brown	C	Subtle Slope	Sand	Note1: Organic 10%	Note2: Rocky	
1084348	648289	6788710	GPS_NAD83_Z07N	30	Thin Moss Cover	Grey	C	Subtle Slope	Sand	Note1: Sandy	Note2: Coarse	
1084349	648260	6788669	GPS_NAD83_Z07N	30	Grass Cover	Chocolate Brown	C	Pronounced Slope	Sand	Note1: Organic 10%	Note2: Rocky	
1084350	648215	6788641	GPS_NAD83_Z07N	10	Bare Soil	Grey	C	Subtle Slope	Sand	Note1: Sandy	Note2:	
1087992	646743	6791002	GPS_NAD83_Z07N	40	Thin Moss Cover	Dark Brown	C	Pronounced Slope	Clay	Note1: Coarse	Note2: Rocky Terrain	
1087993	642408	6788406	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Subtle Slope	Sand	Note1: Coarse	Note2: Clay	
1087994	642363	6788384	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Subtle Slope	Clay	Note1: Coarse	Note2: Rocky Sample	
1087995	642267	6788340	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Rocky Sample	Note2: Rocky Terrain	
1087996	642315	6788361	GPS_NAD83_Z07N	30	Thin Moss Cover	Dark Brown	B	Subtle Slope	Clay	Note1: Coarse	Note2: Rocky Terrain	
1087997	642217	6788326	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	B	Pronounced Slope	Clay	Note1: Coarse	Note2: Rocky Terrain	
1087998	642170	6788309	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Coarse	Note2: Rocky Terrain	
1087999	642119	6788320	GPS_NAD83_Z07N	30	Grass Cover	Dark Brown	C	Pronounced Slope	Sand	Note1: Clay	Note2: Rocky Terrain	
1088000	642071	6788306	GPS_NAD83_Z07N	40	Grass Cover	Dark Brown	C	Subtle Slope	Clay	Note1: Coarse	Note2:	

APPENDIX IV

Rock sample description and location Data

[illegible]

APPENDIX V

Soil sample assay certificates



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Acme Analytical Laboratories (Vancouver) Ltd.

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Submitted By: Mike Skead

Receiving Lab: Canada-Dawson City

Received: July 29, 2011

Report Date: August 07, 2011

Page: 1 of 2

CERTIFICATE OF ANALYSIS

DAW11000079.1

CLIENT JOB INFORMATION

Project: GAR
Shipment ID: GAR2011-15
P.O. Number
Number of Samples: 21

SAMPLE DISPOSAL

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

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

Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	21	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	21	Dry at 60C			WHI
1DX2	21	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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600 - 666 Burrard St.
Vancouver BC V6C 1H2 Canada

Project:

GAR

Report Date:

August 07, 2011

Page:

2 of 2

Part 1

CERTIFICATE OF ANALYSIS

DAW11000079.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1007335	Soil	1.0	61.1	6.2	77	0.2	53.3	17.9	465	3.27	13.8	0.9	11.6	3.5	27	0.2	0.4	0.1	62	0.25	0.039
1007333	Soil	1.4	39.5	9.8	90	0.2	54.2	19.0	450	3.36	22.3	0.7	6.7	2.1	90	0.2	0.4	0.2	53	1.15	0.069
1061103	Soil	1.3	59.8	7.7	79	0.2	53.1	17.5	473	3.53	15.5	0.9	8.5	2.2	33	<0.1	0.5	0.1	65	0.30	0.047
1084339	Soil	1.3	31.6	9.5	71	<0.1	35.5	15.4	529	3.31	14.2	0.6	1.5	1.0	25	<0.1	0.6	0.1	75	0.29	0.049
1061105	Soil	1.1	53.5	6.4	73	<0.1	48.8	16.8	466	3.27	14.6	0.7	3.7	1.6	36	0.2	0.4	<0.1	64	0.39	0.046
1061107	Soil	1.8	54.7	10.8	67	0.2	39.6	15.0	498	3.05	12.9	0.9	3.0	0.8	39	0.1	0.5	0.1	65	0.66	0.115
1061101	Soil	1.7	35.1	9.1	60	0.1	25.6	13.1	459	2.87	10.2	0.8	1.6	0.4	28	0.2	0.7	0.1	71	0.33	0.082
1084338	Soil	1.6	57.6	8.7	73	<0.1	41.4	15.3	398	3.27	17.6	1.1	3.3	1.1	28	0.1	0.6	0.2	61	0.22	0.082
1061102	Soil	1.3	57.7	7.2	74	0.2	50.2	16.7	446	3.31	13.5	0.9	3.9	2.3	31	0.1	0.4	0.1	61	0.28	0.042
1061104	Soil	1.2	59.5	8.6	82	0.2	50.7	17.8	530	3.60	16.3	1.0	3.9	2.4	33	0.1	0.5	0.2	67	0.41	0.057
1007331	Soil	1.6	69.0	7.8	92	<0.1	55.3	22.9	564	3.68	21.1	0.7	4.3	3.2	25	0.2	0.6	0.2	68	0.25	0.049
1061110	Soil	1.3	53.2	9.0	64	0.2	37.1	16.3	473	2.66	12.1	0.7	2.5	0.9	45	0.3	0.4	0.1	50	0.84	0.086
1061109	Soil	1.8	51.7	8.7	73	0.2	35.4	20.5	581	3.14	14.3	0.8	3.3	0.7	41	0.3	0.5	0.1	66	0.67	0.099
1007332	Soil	1.3	76.4	8.1	91	0.1	63.0	22.2	533	3.96	22.6	0.9	4.2	2.9	22	0.1	0.4	0.2	82	0.22	0.041
1084340	Soil	2.6	37.4	10.8	70	0.2	29.3	12.5	413	3.34	12.6	0.7	2.5	0.5	28	0.1	0.8	0.2	79	0.29	0.070
1084336	Soil	0.8	44.3	6.0	67	<0.1	39.7	14.2	380	3.07	12.2	0.9	4.5	2.7	25	0.1	0.4	0.1	62	0.26	0.034
1084337	Soil	1.7	38.5	10.4	72	<0.1	40.4	18.6	537	3.46	15.8	0.6	2.9	1.0	28	<0.1	0.6	0.2	71	0.34	0.047
1084341	Soil	1.1	54.6	6.4	82	<0.1	63.3	22.7	528	3.38	15.4	0.7	3.3	3.2	28	0.3	0.4	0.1	61	0.31	0.067
1061106	Soil	1.2	59.4	8.4	74	0.1	47.3	18.9	515	3.39	13.6	0.7	6.3	1.2	31	<0.1	0.4	0.1	76	0.45	0.070
1061108	Soil	1.6	47.0	10.3	72	0.1	39.1	14.4	398	3.07	11.9	0.8	2.0	0.5	32	0.1	0.5	0.1	66	0.43	0.095
1007334	Soil	1.1	55.8	7.9	68	<0.1	47.0	15.7	449	3.07	13.7	0.7	8.1	1.5	24	0.1	0.4	0.2	60	0.22	0.053



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Vancouver BC V6C 1H2 Canada

Project: GAR
Report Date: August 07, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

DAW11000079.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1007335	Soil	12	48	0.85	71	0.083	<1	1.66	0.016	0.06	<0.1	0.01	3.0	<0.1	<0.05	4	0.5	<0.2
1007333	Soil	9	40	0.89	60	0.061	<1	3.25	0.017	0.08	<0.1	0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
1061103	Soil	14	49	0.85	96	0.067	1	1.95	0.017	0.06	<0.1	0.03	3.1	<0.1	<0.05	5	0.6	<0.2
1084339	Soil	8	50	0.80	94	0.074	<1	1.82	0.011	0.05	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
1061105	Soil	10	48	0.79	76	0.075	<1	1.61	0.016	0.06	<0.1	0.02	2.5	<0.1	<0.05	4	<0.5	<0.2
1061107	Soil	9	49	0.73	94	0.044	<1	1.51	0.013	0.08	<0.1	0.06	2.0	<0.1	0.12	5	<0.5	<0.2
1061101	Soil	7	34	0.51	91	0.049	<1	1.26	0.014	0.03	<0.1	0.04	1.5	<0.1	0.08	5	<0.5	<0.2
1084338	Soil	11	46	0.75	75	0.042	<1	1.80	0.013	0.04	0.1	0.04	2.0	<0.1	0.06	5	<0.5	<0.2
1061102	Soil	13	46	0.82	90	0.062	<1	1.82	0.016	0.05	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
1061104	Soil	14	53	0.91	113	0.065	1	1.96	0.018	0.06	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
1007331	Soil	11	51	0.98	83	0.078	1	2.02	0.011	0.07	<0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
1061110	Soil	10	39	0.68	80	0.053	2	1.37	0.017	0.07	<0.1	0.06	2.1	<0.1	0.10	4	<0.5	<0.2
1061109	Soil	10	48	0.73	101	0.052	<1	1.58	0.015	0.08	<0.1	0.06	2.2	<0.1	0.09	5	<0.5	<0.2
1007332	Soil	11	62	1.19	106	0.141	<1	2.32	0.010	0.22	<0.1	0.01	3.3	0.2	<0.05	6	<0.5	<0.2
1084340	Soil	9	44	0.65	109	0.048	1	1.73	0.010	0.04	<0.1	0.03	2.0	<0.1	<0.05	6	<0.5	<0.2
1084336	Soil	13	47	0.83	70	0.108	1	1.78	0.014	0.08	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
1084337	Soil	9	48	0.78	92	0.069	<1	1.83	0.012	0.05	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5	<0.2
1084341	Soil	10	49	0.91	69	0.082	1	1.80	0.013	0.05	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
1061106	Soil	10	56	0.86	82	0.080	<1	1.79	0.015	0.09	<0.1	0.03	2.6	0.1	<0.05	5	<0.5	<0.2
1061108	Soil	8	49	0.75	87	0.046	1	1.56	0.012	0.08	<0.1	0.04	1.9	<0.1	0.06	5	<0.5	<0.2
1007334	Soil	10	44	0.75	60	0.068	<1	1.66	0.014	0.04	<0.1	0.02	2.3	<0.1	<0.05	4	<0.5	<0.2



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Project:

GAR

Report Date:

August 07, 2011

Page:

1 of 1

Part 1

QUALITY CONTROL REPORT

DAW11000079.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1084339	Soil	1.3	31.6	9.5	71	<0.1	35.5	15.4	529	3.31	14.2	0.6	1.5	1.0	25	<0.1	0.6	0.1	75	0.29	0.049
REP 1084339	QC	1.4	31.1	9.1	69	<0.1	34.4	15.2	514	3.28	13.3	0.6	1.9	1.0	24	<0.1	0.5	0.1	73	0.28	0.049
1061104	Soil	1.2	59.5	8.6	82	0.2	50.7	17.8	530	3.60	16.3	1.0	3.9	2.4	33	0.1	0.5	0.2	67	0.41	0.057
REP 1061104	QC	1.2	59.2	8.2	80	0.2	51.2	17.4	514	3.50	16.9	0.9	3.8	2.2	33	0.2	0.5	0.1	66	0.40	0.057
Reference Materials																					
STD DS8	Standard	14.3	119.3	129.2	316	1.8	41.2	8.1	615	2.43	28.5	2.9	106.8	7.3	67	2.3	5.7	6.9	46	0.70	0.075
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project:

GAR

Report Date:

August 07, 2011

Page:

1 of 1

Part 2

QUALITY CONTROL REPORT

DAW11000079.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1084339	Soil	8	50	0.80	94	0.074	<1	1.82	0.011	0.05	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
REP 1084339	QC	7	49	0.81	93	0.070	2	1.82	0.011	0.05	<0.1	0.01	2.7	<0.1	<0.05	6	<0.5	<0.2
1061104	Soil	14	53	0.91	113	0.065	1	1.96	0.018	0.06	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
REP 1061104	QC	14	52	0.90	112	0.065	<1	1.94	0.018	0.06	<0.1	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	16	126	0.62	268	0.140	3	0.92	0.081	0.39	2.8	0.21	2.0	5.4	0.15	5	4.9	4.6
STD DS8 Expected		14.6	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	<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: Mike Skead

Receiving Lab: Canada-Whitehorse

Received: July 15, 2011

Report Date: August 13, 2011

Page: 1 of 8

CERTIFICATE OF ANALYSIS

WHI11000847.1

CLIENT JOB INFORMATION

Project: GAR

Shipment ID:

P.O. Number

Number of Samples: 195

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days

DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	195	Dry at 60C			VAN
SS80	195	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	195	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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Project:

GAR

Report Date:

August 13, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000847.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1060250	Soil	1.0	52.9	7.2	79	0.1	48.4	16.3	493	3.07	10.7	0.9	13.1	2.9	23	0.2	0.4	0.1	51	0.28	0.095
1060242	Soil	1.1	55.8	7.7	85	0.1	51.5	18.2	545	3.43	11.5	0.9	5.7	3.2	26	0.3	0.5	0.2	57	0.31	0.096
1057909	Soil	1.9	67.2	12.9	101	0.3	88.1	21.0	637	4.14	118.2	1.2	4.4	2.2	34	0.2	0.7	0.3	65	0.36	0.107
1057907	Soil	1.4	84.3	8.1	108	0.2	85.6	26.9	846	4.97	34.9	0.8	4.6	2.1	29	0.1	0.8	0.2	87	0.45	0.085
1060249	Soil	1.1	63.5	7.5	94	0.2	100.3	22.2	687	4.30	26.0	0.8	9.3	2.9	25	0.2	0.7	0.1	88	0.32	0.096
1057905	Soil	1.3	64.1	7.5	97	0.3	66.6	27.0	1072	4.15	20.5	0.9	3.4	1.5	25	<0.1	0.5	0.2	76	0.35	0.090
1057901	Soil	0.9	53.0	5.6	81	0.1	48.3	18.0	523	3.34	12.6	0.8	2.8	2.6	28	0.1	0.3	0.1	60	0.39	0.112
1057908	Soil	1.0	77.5	8.9	120	0.2	81.2	24.0	922	4.75	27.3	1.0	4.0	3.9	35	0.1	0.5	0.2	69	0.40	0.104
1057906	Soil	1.3	66.2	6.9	101	0.3	66.2	26.2	1004	4.10	20.6	0.8	4.0	1.5	24	<0.1	0.5	0.2	76	0.35	0.088
1057904	Soil	1.4	77.5	7.9	100	0.2	92.5	29.6	934	4.74	37.8	0.8	2.4	1.5	24	0.1	0.6	0.1	98	0.27	0.093
1057903	Soil	1.1	78.9	6.7	95	0.2	86.2	25.7	679	3.52	22.2	0.9	5.2	2.4	26	0.3	0.5	0.1	58	0.32	0.100
1057902	Soil	0.8	83.1	9.3	87	0.2	183.4	35.3	724	3.90	76.4	0.6	3.1	2.8	26	<0.1	0.7	0.2	63	0.36	0.085
1060248	Soil	1.4	48.6	8.2	88	0.2	43.4	15.2	505	3.50	16.2	1.0	11.1	2.6	24	0.1	0.5	0.2	55	0.26	0.092
1060246	Soil	1.4	55.6	7.4	81	0.1	45.3	15.7	452	3.40	13.4	1.0	7.5	2.4	24	0.2	0.5	0.2	60	0.28	0.100
1060244	Soil	1.3	57.0	7.7	93	0.1	50.1	18.8	557	3.65	13.7	1.0	4.7	3.0	29	0.2	0.6	0.2	63	0.34	0.114
1057912	Soil	1.8	97.0	12.0	135	0.2	95.0	33.4	738	4.58	24.7	1.2	4.9	2.9	41	0.3	0.7	0.3	65	0.38	0.121
1057910	Soil	1.6	84.0	10.7	116	0.3	127.2	29.2	863	4.48	217.5	1.1	15.2	2.8	32	0.3	1.1	0.2	59	0.34	0.102
1057913	Soil	1.4	80.8	10.6	137	0.2	85.3	26.2	773	4.93	97.5	1.0	80.5	4.6	35	0.3	0.7	0.2	60	0.34	0.114
1057918	Soil	0.9	81.4	5.0	119	0.1	108.8	30.9	887	5.32	121.8	0.5	18.6	1.6	23	0.2	0.7	<0.1	103	0.50	0.086
1057916	Soil	1.5	111.9	8.7	134	0.4	112.2	36.3	960	5.56	26.4	0.9	4.1	2.4	51	0.1	0.4	0.2	98	0.60	0.124
1057911	Soil	1.8	79.5	9.4	128	0.3	84.3	25.7	624	4.34	21.7	1.2	3.2	4.1	44	0.3	0.6	0.2	61	0.43	0.137
1057915	Soil	1.1	80.2	7.9	118	0.2	90.6	27.4	709	4.63	19.5	0.9	5.4	2.9	33	0.3	0.4	0.2	77	0.50	0.109
1057919	Soil	1.6	86.9	9.7	108	0.3	79.8	26.7	741	4.16	53.5	0.9	15.5	1.4	42	0.2	0.8	0.2	65	0.57	0.092
1057917	Soil	1.7	123.1	7.5	134	0.3	113.5	35.4	1061	5.93	88.2	0.7	6.1	1.8	41	0.1	0.5	0.2	118	0.77	0.093
1057914	Soil	1.8	101.1	10.7	127	0.3	104.1	33.2	756	5.05	21.1	1.4	3.1	2.8	40	0.3	0.6	0.2	79	0.47	0.109
1060247	Soil	1.3	50.2	7.2	85	0.1	41.2	15.4	455	3.27	11.9	1.0	3.5	2.8	27	0.3	0.5	0.1	57	0.30	0.101
1060238	Soil	1.0	60.8	7.6	95	0.2	65.1	24.1	708	3.53	18.7	0.7	2.5	3.7	28	0.2	0.5	0.2	50	0.35	0.096
1060240	Soil	1.3	61.1	8.7	91	0.2	68.9	21.1	660	3.65	18.0	1.0	4.0	3.1	28	0.2	0.5	0.1	60	0.36	0.116
1060239	Soil	1.3	86.2	7.7	89	0.2	57.5	19.7	555	3.61	15.7	1.1	3.4	3.4	26	0.2	0.6	0.2	58	0.34	0.121
1060245	Soil	1.5	66.6	9.3	97	0.2	53.9	20.3	560	3.89	17.1	1.3	4.6	3.0	28	0.3	0.6	0.2	70	0.31	0.112



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1060250	Soil	11	38	0.75	66	0.050	<1	1.75	0.009	0.04	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
1060242	Soil	11	43	0.80	69	0.060	<1	1.83	0.010	0.05	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
1057909	Soil	15	71	1.03	93	0.022	<1	2.24	0.010	0.06	<0.1	0.05	2.8	<0.1	<0.05	6	<0.5	<0.2
1057907	Soil	9	98	1.56	95	0.072	<1	2.52	0.009	0.17	<0.1	0.03	4.2	0.2	<0.05	7	<0.5	<0.2
1060249	Soil	11	177	1.72	102	0.092	<1	2.59	0.008	0.16	<0.1	0.02	5.7	0.1	<0.05	7	<0.5	<0.2
1057905	Soil	9	76	1.29	98	0.057	<1	2.31	0.008	0.08	<0.1	0.03	3.7	0.1	<0.05	6	<0.5	<0.2
1057901	Soil	11	49	1.01	61	0.066	<1	1.79	0.011	0.08	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
1057908	Soil	12	70	1.28	61	0.055	<1	2.59	0.008	0.08	<0.1	0.01	3.8	<0.1	<0.05	7	<0.5	<0.2
1057906	Soil	8	78	1.23	92	0.057	<1	2.25	0.008	0.09	<0.1	0.04	3.6	0.1	<0.05	7	<0.5	<0.2
1057904	Soil	10	145	1.59	119	0.073	<1	2.77	0.008	0.13	<0.1	0.03	4.4	0.2	<0.05	7	<0.5	<0.2
1057903	Soil	12	50	0.89	67	0.056	<1	1.79	0.010	0.07	<0.1	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
1057902	Soil	9	293	1.68	73	0.072	2	2.23	0.006	0.13	<0.1	0.03	4.2	0.2	<0.05	6	0.7	<0.2
1060248	Soil	12	46	0.84	90	0.048	3	1.99	0.009	0.04	<0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
1060246	Soil	13	44	0.79	78	0.067	2	1.87	0.009	0.05	0.1	0.03	3.0	<0.1	<0.05	5	0.6	<0.2
1060244	Soil	14	48	0.88	91	0.068	3	1.92	0.010	0.05	<0.1	0.04	3.6	<0.1	<0.05	5	<0.5	<0.2
1057912	Soil	20	57	1.11	77	0.051	1	2.19	0.014	0.07	0.1	0.05	3.4	<0.1	0.07	6	0.9	<0.2
1057910	Soil	16	71	1.17	64	0.029	2	2.18	0.011	0.06	<0.1	0.04	3.5	<0.1	0.07	6	0.9	<0.2
1057913	Soil	16	57	1.22	62	0.029	4	2.40	0.011	0.05	<0.1	0.04	3.4	<0.1	<0.05	7	0.6	<0.2
1057918	Soil	8	143	2.00	137	0.100	2	2.88	0.009	0.21	<0.1	0.02	5.6	0.1	<0.05	8	<0.5	<0.2
1057916	Soil	15	91	1.61	89	0.077	1	2.85	0.009	0.16	<0.1	0.06	4.8	0.2	0.06	8	0.8	<0.2
1057911	Soil	21	51	1.10	66	0.050	3	2.02	0.014	0.07	<0.1	0.03	3.4	<0.1	<0.05	6	1.1	<0.2
1057915	Soil	12	73	1.32	73	0.065	2	2.28	0.009	0.13	<0.1	0.04	4.0	0.1	0.05	7	0.6	<0.2
1057919	Soil	17	65	1.08	101	0.034	2	2.24	0.014	0.07	<0.1	0.04	3.4	<0.1	0.08	6	0.9	<0.2
1057917	Soil	13	135	1.98	223	0.120	2	3.13	0.010	0.26	<0.1	0.05	6.5	0.3	0.06	9	0.9	<0.2
1057914	Soil	19	69	1.19	89	0.057	2	2.46	0.012	0.13	<0.1	0.06	4.2	0.1	0.07	7	<0.5	<0.2
1060247	Soil	15	45	0.83	81	0.064	1	1.81	0.009	0.05	<0.1	0.02	3.5	<0.1	<0.05	5	0.5	<0.2
1060238	Soil	12	41	0.85	45	0.046	1	1.77	0.010	0.04	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
1060240	Soil	14	69	1.00	71	0.055	1	1.90	0.010	0.05	<0.1	0.02	3.3	<0.1	<0.05	5	0.6	<0.2
1060239	Soil	17	43	0.86	58	0.057	1	1.92	0.010	0.05	<0.1	0.03	3.4	<0.1	<0.05	5	0.6	<0.2
1060245	Soil	17	51	0.94	95	0.077	2	2.22	0.011	0.06	<0.1	0.04	4.3	<0.1	0.06	6	0.9	<0.2



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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1061111	Soil	1.1	93.1	4.9	109	0.1	44.0	25.1	746	4.90	52.7	0.4	2.2	1.1	26	0.2	0.4	<0.1	108	0.46	0.090
1061115	Soil	1.1	82.4	5.6	103	0.1	48.7	23.0	578	4.42	24.6	0.6	1.8	1.9	28	<0.1	0.4	0.1	89	0.36	0.093
1061113	Soil	1.1	90.4	4.3	105	<0.1	40.3	24.2	721	4.78	33.2	0.4	1.9	1.1	21	0.2	0.3	<0.1	106	0.35	0.087
1061112	Soil	1.2	85.0	4.5	101	<0.1	41.1	22.9	666	4.61	32.5	0.4	1.3	1.2	24	0.1	0.3	<0.1	102	0.40	0.087
1061119	Soil	1.0	81.2	5.5	98	0.1	57.4	21.4	483	3.68	18.3	0.8	1.6	3.4	28	0.2	0.4	0.1	68	0.37	0.113
1061116	Soil	1.0	58.1	5.4	89	<0.1	38.9	19.1	582	3.91	19.0	0.5	1.1	1.5	20	<0.1	0.4	0.1	80	0.31	0.065
1061114	Soil	1.1	80.2	3.7	93	0.1	35.0	20.1	630	4.55	24.2	0.4	1.6	0.9	19	<0.1	0.3	<0.1	103	0.32	0.072
1061117	Soil	0.9	58.0	5.1	88	<0.1	38.4	19.1	564	3.91	19.4	0.5	1.5	1.5	21	0.1	0.4	<0.1	82	0.27	0.054
1061118	Soil	1.1	73.6	6.5	89	<0.1	49.0	21.0	466	3.39	14.9	0.6	6.5	2.4	24	0.1	0.3	0.1	63	0.27	0.062
1061120	Soil	1.1	66.2	7.0	95	0.1	47.7	20.8	513	3.79	26.3	0.7	3.4	2.2	22	0.1	0.3	0.1	74	0.30	0.074
1061129	Soil	1.3	53.3	6.4	99	0.3	48.2	19.2	569	4.02	16.3	1.0	3.8	2.5	29	0.1	0.4	0.2	83	0.37	0.081
1061130	Soil	0.8	53.9	5.4	98	0.3	48.1	18.3	477	3.89	15.9	0.9	4.3	2.5	23	<0.1	0.3	0.1	86	0.33	0.072
1060237	Soil	1.8	45.8	8.8	81	0.1	50.3	18.0	613	3.46	12.5	0.8	3.4	1.3	27	0.2	0.7	0.2	60	0.32	0.081
1060236	Soil	1.4	46.6	8.5	87	<0.1	47.7	16.6	513	3.62	14.1	0.7	6.4	1.8	26	0.2	0.6	0.2	62	0.31	0.055
1060243	Soil	0.8	43.1	5.4	77	<0.1	44.4	13.9	448	3.14	9.7	0.8	1.6	3.1	30	0.2	0.3	0.1	54	0.39	0.121
1061127	Soil	1.6	57.4	9.3	93	0.5	47.9	20.1	691	3.85	21.6	1.4	2.9	1.3	40	<0.1	0.6	0.2	78	0.54	0.136
1061126	Soil	0.8	48.3	4.8	91	0.2	45.4	18.8	537	3.86	11.7	0.7	3.2	1.8	20	<0.1	0.3	0.1	86	0.32	0.071
1061128	Soil	1.5	40.6	6.1	76	0.2	35.6	15.0	491	3.16	12.2	0.8	5.0	1.3	23	0.1	0.4	0.2	68	0.31	0.083
1061125	Soil	0.9	44.2	4.7	81	0.1	42.3	16.9	528	3.43	12.1	0.7	2.9	1.7	16	0.1	0.2	0.1	78	0.22	0.072
1061123	Soil	0.9	55.5	5.3	85	0.2	49.3	16.4	457	3.48	16.5	0.8	2.1	1.5	19	0.1	0.3	0.1	77	0.27	0.088
1061121	Soil	0.7	59.5	4.4	83	0.1	44.4	17.3	424	3.11	19.1	0.6	6.6	2.0	16	0.1	0.3	<0.1	63	0.28	0.083
1061124	Soil	0.8	43.5	4.6	76	0.1	49.2	13.8	398	3.08	12.8	0.6	5.7	1.8	17	<0.1	0.2	<0.1	67	0.24	0.074
1061122	Soil	0.5	59.6	3.6	95	0.1	68.5	19.2	525	4.15	14.4	0.6	1.6	1.7	17	0.1	0.2	<0.1	103	0.29	0.088
1061132	Soil	0.7	51.4	5.5	83	0.2	39.9	13.0	341	3.40	13.2	1.0	5.4	1.8	15	<0.1	0.2	0.1	76	0.19	0.069
1061133	Soil	0.7	52.4	5.5	84	0.2	41.3	13.4	350	3.51	13.9	0.9	2.5	1.8	15	<0.1	0.3	0.1	80	0.19	0.069
1061137	Soil	2.3	64.9	11.6	98	0.2	45.6	39.8	1691	4.06	24.7	1.5	1.7	0.8	37	0.3	0.6	0.2	80	0.51	0.174
1061136	Soil	0.9	41.3	5.9	80	0.2	40.1	12.5	358	3.27	13.5	0.9	3.3	1.9	21	0.1	0.3	0.1	71	0.30	0.094
1060241	Soil	1.1	69.7	6.5	81	0.1	50.8	18.7	518	3.04	12.9	0.8	12.9	2.1	21	0.2	0.4	0.1	46	0.29	0.094
1061145	Soil	1.7	80.6	9.5	88	0.3	60.2	25.3	690	3.59	56.3	1.4	4.4	1.2	32	0.2	0.5	0.2	71	0.39	0.116
1061144	Soil	1.2	63.6	6.8	82	0.2	49.8	16.3	404	3.27	27.0	0.8	4.7	2.4	17	0.1	0.3	0.1	63	0.21	0.059



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1061111	Soil	5	60	1.95	333	0.159	<1	3.08	0.012	0.55	<0.1	0.02	4.3	0.2	0.06	10	0.6	<0.2
1061115	Soil	9	59	1.52	230	0.138	1	2.68	0.011	0.39	<0.1	0.02	3.7	0.2	0.07	8	0.8	<0.2
1061113	Soil	5	55	1.95	276	0.171	2	3.19	0.010	0.53	<0.1	0.02	3.9	0.2	<0.05	9	0.5	<0.2
1061112	Soil	6	57	1.81	286	0.164	2	3.04	0.011	0.51	<0.1	0.02	4.1	0.2	<0.05	9	0.6	<0.2
1061119	Soil	15	51	1.07	94	0.103	1	2.07	0.014	0.17	<0.1	0.03	3.6	0.1	0.05	6	0.5	<0.2
1061116	Soil	7	53	1.39	163	0.119	1	2.63	0.010	0.25	<0.1	0.01	3.4	0.2	0.06	8	0.5	<0.2
1061114	Soil	5	51	1.89	245	0.167	<1	3.16	0.010	0.54	<0.1	0.02	3.9	0.2	0.06	9	<0.5	<0.2
1061117	Soil	7	54	1.43	175	0.137	<1	2.66	0.011	0.28	<0.1	0.03	3.5	0.2	<0.05	7	0.7	<0.2
1061118	Soil	10	45	0.94	108	0.095	<1	2.04	0.012	0.11	<0.1	0.03	2.9	0.1	<0.05	6	0.7	<0.2
1061120	Soil	10	55	1.21	137	0.102	1	2.25	0.009	0.22	<0.1	0.02	3.5	0.2	<0.05	7	1.0	<0.2
1061129	Soil	12	71	1.24	186	0.107	1	2.42	0.012	0.27	<0.1	0.04	4.6	0.2	0.07	7	0.7	<0.2
1061130	Soil	10	77	1.41	185	0.123	<1	2.56	0.010	0.31	<0.1	0.04	5.2	0.2	<0.05	8	0.6	<0.2
1060237	Soil	11	43	0.79	96	0.045	2	1.76	0.011	0.04	<0.1	0.05	2.6	0.1	<0.05	5	0.6	<0.2
1060236	Soil	9	46	0.88	100	0.050	2	1.90	0.013	0.05	<0.1	0.04	2.8	<0.1	<0.05	5	<0.5	<0.2
1060243	Soil	11	43	0.85	65	0.067	<1	1.59	0.010	0.04	<0.1	0.02	3.0	<0.1	<0.05	5	0.5	<0.2
1061127	Soil	19	64	1.04	235	0.061	3	2.21	0.016	0.14	<0.1	0.07	3.9	0.2	0.11	7	0.6	<0.2
1061126	Soil	9	80	1.53	217	0.140	1	2.79	0.009	0.33	<0.1	0.03	4.9	0.2	<0.05	8	<0.5	<0.2
1061128	Soil	9	56	0.89	150	0.066	2	1.79	0.011	0.16	<0.1	0.04	2.9	0.1	0.08	6	0.5	<0.2
1061125	Soil	8	72	1.22	194	0.099	1	2.33	0.008	0.26	<0.1	0.01	3.9	0.2	<0.05	7	<0.5	<0.2
1061123	Soil	8	74	1.21	216	0.093	2	2.24	0.009	0.35	<0.1	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
1061121	Soil	8	48	1.03	111	0.082	<1	1.91	0.006	0.22	<0.1	<0.01	3.0	0.1	<0.05	5	0.6	<0.2
1061124	Soil	6	69	1.07	175	0.081	1	2.02	0.007	0.28	<0.1	<0.01	3.1	0.2	<0.05	6	<0.5	<0.2
1061122	Soil	7	124	1.70	387	0.156	<1	2.88	0.007	0.83	<0.1	<0.01	5.2	0.3	<0.05	9	<0.5	<0.2
1061132	Soil	9	70	1.25	188	0.077	<1	2.54	0.008	0.22	<0.1	0.03	4.2	0.2	0.06	7	<0.5	<0.2
1061133	Soil	9	72	1.21	189	0.081	<1	2.59	0.008	0.22	<0.1	0.01	4.1	0.2	<0.05	7	<0.5	<0.2
1061137	Soil	17	60	0.91	280	0.030	2	2.40	0.012	0.10	<0.1	0.07	2.4	0.2	0.18	7	1.0	<0.2
1061136	Soil	8	63	1.05	186	0.070	1	2.29	0.009	0.18	<0.1	0.02	4.0	0.1	<0.05	7	<0.5	<0.2
1060241	Soil	9	34	0.72	65	0.039	1	1.60	0.009	0.04	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
1061145	Soil	15	79	0.93	169	0.034	1	2.18	0.014	0.06	<0.1	0.03	3.4	0.1	0.10	6	0.7	<0.2
1061144	Soil	10	56	0.90	96	0.063	1	2.04	0.008	0.10	<0.1	0.02	3.1	0.1	<0.05	6	0.5	<0.2



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Part 1

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	Method	Analyte	Unit	MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1061141	Soil				0.8	43.9	6.3	74	<0.1	36.6	15.2	316	2.99	9.8	0.9	25.9	2.9	18	0.1	0.3	0.1	68	0.26	0.070
1061143	Soil				0.7	56.3	5.3	90	0.1	46.4	15.5	409	3.10	12.4	0.8	3.5	2.5	18	0.1	0.2	0.1	52	0.26	0.083
1061140	Soil				0.9	57.2	6.1	82	0.2	42.9	13.4	350	3.31	15.7	1.1	2.9	2.7	16	<0.1	0.3	0.1	70	0.23	0.079
1061146	Soil				1.8	82.4	9.8	90	0.3	62.9	20.9	561	3.73	59.4	1.4	3.6	1.1	33	0.1	0.5	0.2	72	0.39	0.112
1061134	Soil				0.7	41.2	4.7	75	0.1	36.7	13.3	409	3.05	12.8	0.7	1.8	2.0	18	0.1	0.2	<0.1	66	0.27	0.086
1061135	Soil				1.2	49.4	7.4	77	0.4	37.0	18.4	849	3.07	14.2	1.4	1.8	0.8	35	0.3	0.3	0.1	60	0.47	0.119
1061131	Soil				0.6	37.9	4.1	74	0.1	33.8	13.1	389	3.01	12.8	0.6	4.2	1.4	15	0.1	0.2	0.1	65	0.23	0.068
1061142	Soil				0.9	43.1	5.7	74	0.1	34.9	11.6	341	2.96	13.3	0.8	2.9	2.0	18	<0.1	0.3	0.1	62	0.24	0.076
1061138	Soil				1.8	62.3	8.8	101	0.2	48.2	22.7	687	3.90	25.7	1.1	3.7	1.2	20	0.1	0.5	0.2	79	0.22	0.102
1061139	Soil				1.1	54.0	6.4	82	0.2	42.3	14.7	424	3.25	16.1	0.8	7.0	1.6	17	0.1	0.4	0.1	71	0.21	0.084
1060284	Soil				2.4	29.9	9.9	68	<0.1	27.4	12.8	549	3.12	11.1	0.6	1.0	0.6	23	<0.1	0.8	0.2	65	0.27	0.066
1060283	Soil				2.0	33.1	9.3	75	<0.1	31.6	14.1	624	3.16	13.6	0.6	0.6	0.6	23	0.1	0.7	0.2	57	0.31	0.077
1060285	Soil				1.9	37.3	10.6	86	<0.1	38.2	16.9	621	3.35	16.4	0.6	4.6	1.2	23	0.2	0.6	0.2	55	0.29	0.086
1060286	Soil				1.9	44.7	9.9	104	<0.1	44.9	17.5	663	3.73	16.0	0.7	4.9	1.5	23	0.2	0.5	0.1	60	0.28	0.081
1057801	Soil				3.1	38.9	12.6	82	0.1	31.9	20.5	857	3.69	13.1	0.7	3.8	0.6	25	0.2	1.0	0.2	76	0.29	0.095
1057802	Soil				2.1	43.7	9.6	94	0.1	40.7	19.4	858	3.57	14.1	0.7	84.5	0.9	24	0.1	0.5	0.2	53	0.32	0.123
1057803	Soil				2.0	36.7	9.1	92	0.1	32.7	17.8	640	3.39	10.6	0.6	2.0	0.6	20	0.2	0.6	0.1	66	0.22	0.068
1057805	Soil				1.9	50.8	11.8	92	0.2	39.3	16.1	514	3.71	17.5	1.1	3.4	0.8	26	0.1	0.6	0.2	67	0.28	0.101
1057804	Soil				1.5	57.4	11.5	104	0.2	52.7	16.6	576	3.96	20.1	0.8	3.3	1.5	26	0.2	0.5	0.2	62	0.30	0.078
1057806	Soil				1.1	41.7	6.7	76	<0.1	37.2	14.5	457	3.06	11.5	0.7	1.6	2.1	21	0.1	0.3	0.1	52	0.26	0.075
1057807	Soil				1.0	43.1	6.6	86	<0.1	40.4	15.0	510	3.29	17.0	0.6	1.2	2.3	22	0.2	0.3	0.1	50	0.29	0.077
1057808	Soil				0.8	43.0	6.4	85	0.1	40.0	14.2	508	3.35	12.0	0.7	7.0	2.5	21	0.2	0.3	<0.1	48	0.27	0.089
1057821	Soil				1.4	55.0	9.1	92	0.2	41.2	18.7	629	3.43	14.7	1.0	2.5	1.1	30	0.2	0.4	0.1	57	0.44	0.113
1057822	Soil				1.2	58.5	7.9	85	0.2	50.3	19.8	569	3.28	13.7	0.8	2.4	1.8	24	0.2	0.3	0.1	54	0.34	0.095
1057823	Soil				1.4	67.0	9.9	92	0.3	50.3	21.7	698	3.63	17.0	1.1	2.2	1.5	26	0.2	0.4	0.1	61	0.32	0.094
1057825	Soil				1.4	45.7	7.5	80	0.1	38.3	14.1	537	3.23	13.0	0.8	4.3	1.5	21	0.1	0.5	0.1	56	0.26	0.071
1057824	Soil				1.0	58.5	6.8	76	0.2	39.7	15.0	494	3.01	10.7	1.0	4.0	2.5	22	0.1	0.3	<0.1	52	0.32	0.085
1057826	Soil				0.9	52.6	6.4	83	0.1	44.6	16.3	512	3.18	12.2	0.7	5.6	2.8	22	0.2	0.3	<0.1	53	0.33	0.093
1057827	Soil				1.6	42.8	7.6	77	0.2	34.0	14.2	491	3.17	9.9	0.9	4.2	0.5	27	0.2	0.4	0.1	59	0.38	0.105
1057828	Soil				0.8	44.4	6.4	84	<0.1	35.9	18.2	520	3.32	11.1	0.7	3.3	1.7	19	0.2	0.3	<0.1	55	0.28	0.078



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1061141	Soil	11	56	0.94	102	0.084	<1	2.09	0.012	0.14	<0.1	0.01	3.8	0.1	<0.05	6	<0.5	<0.2
1061143	Soil	10	45	0.85	83	0.047	<1	1.81	0.008	0.09	<0.1	0.01	2.8	<0.1	<0.05	5	<0.5	<0.2
1061140	Soil	13	60	0.99	107	0.069	<1	2.26	0.007	0.17	<0.1	0.01	4.0	0.2	<0.05	6	<0.5	<0.2
1061146	Soil	17	82	0.93	177	0.035	1	2.22	0.014	0.06	<0.1	0.03	3.4	0.1	0.08	7	0.8	<0.2
1061134	Soil	9	58	1.06	173	0.084	<1	2.08	0.009	0.22	<0.1	0.02	3.5	0.2	<0.05	6	<0.5	<0.2
1061135	Soil	15	52	0.89	291	0.040	2	2.09	0.014	0.07	<0.1	0.06	2.9	0.2	0.12	6	0.5	<0.2
1061131	Soil	6	56	1.06	167	0.077	<1	2.00	0.008	0.20	<0.1	<0.01	3.0	0.1	<0.05	6	<0.5	<0.2
1061142	Soil	11	53	0.89	102	0.065	<1	2.05	0.008	0.12	<0.1	0.03	3.4	0.1	<0.05	6	<0.5	<0.2
1061138	Soil	11	61	0.94	164	0.047	<1	2.41	0.009	0.14	<0.1	0.02	3.2	0.2	0.05	7	<0.5	<0.2
1061139	Soil	10	57	0.95	127	0.062	<1	2.17	0.010	0.17	<0.1	0.02	3.4	0.1	<0.05	6	0.5	<0.2
1060284	Soil	7	38	0.62	146	0.028	<1	1.53	0.008	0.03	<0.1	0.02	1.8	0.1	<0.05	6	<0.5	<0.2
1060283	Soil	7	37	0.70	89	0.034	1	1.48	0.009	0.04	<0.1	0.02	1.8	<0.1	0.06	5	<0.5	<0.2
1060285	Soil	8	41	0.79	89	0.033	1	1.64	0.010	0.05	<0.1	0.03	1.9	<0.1	0.15	5	<0.5	<0.2
1060286	Soil	8	47	0.86	94	0.033	1	1.80	0.008	0.05	<0.1	0.03	2.1	<0.1	0.09	6	0.9	<0.2
1057801	Soil	7	42	0.64	150	0.030	1	1.46	0.010	0.04	0.1	0.04	1.9	<0.1	0.12	6	1.0	<0.2
1057802	Soil	7	42	0.85	82	0.025	1	1.65	0.009	0.05	<0.1	0.03	1.5	<0.1	0.08	5	<0.5	<0.2
1057803	Soil	6	43	0.73	99	0.037	1	1.44	0.009	0.05	<0.1	0.03	1.7	<0.1	0.08	5	0.9	<0.2
1057805	Soil	14	51	0.87	124	0.038	<1	2.02	0.011	0.05	<0.1	0.04	2.2	0.1	0.10	6	0.6	<0.2
1057804	Soil	10	54	1.08	94	0.035	1	2.00	0.008	0.06	0.1	0.04	2.4	<0.1	0.06	6	0.8	<0.2
1057806	Soil	9	40	0.82	68	0.044	2	1.58	0.008	0.05	<0.1	0.04	2.1	<0.1	<0.05	5	0.6	<0.2
1057807	Soil	8	42	0.90	73	0.044	<1	1.67	0.007	0.05	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
1057808	Soil	10	42	0.89	65	0.037	1	1.66	0.010	0.05	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
1057821	Soil	13	51	0.92	147	0.027	2	1.86	0.009	0.05	<0.1	0.05	2.2	<0.1	0.09	6	0.5	<0.2
1057822	Soil	10	42	0.86	93	0.037	<1	1.71	0.008	0.05	<0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
1057823	Soil	14	51	0.94	137	0.030	<1	2.00	0.009	0.05	<0.1	0.04	2.6	<0.1	0.06	6	0.5	<0.2
1057825	Soil	9	48	0.85	89	0.044	<1	1.63	0.009	0.05	<0.1	0.03	2.6	<0.1	0.05	5	0.8	<0.2
1057824	Soil	11	44	0.84	74	0.047	1	1.73	0.008	0.05	<0.1	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
1057826	Soil	10	45	0.89	68	0.056	1	1.71	0.008	0.06	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
1057827	Soil	10	44	0.77	115	0.033	1	1.56	0.009	0.06	<0.1	0.05	1.6	<0.1	0.09	5	<0.5	<0.2
1057828	Soil	8	43	1.05	82	0.047	<1	1.92	0.007	0.05	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1057829	Soil	1.2	38.3	9.3	100	0.2	41.1	18.4	737	3.29	12.1	1.0	3.5	1.5	24	0.3	0.3	0.2	52	0.31	0.099
1057809	Soil	1.0	45.8	7.5	89	0.1	42.2	15.8	587	3.38	12.0	0.8	4.0	2.2	24	0.2	0.3	0.1	52	0.29	0.087
1057810	Soil	0.7	42.1	5.6	75	0.2	32.2	11.1	359	2.75	7.8	0.7	2.8	2.1	23	0.1	0.2	<0.1	48	0.35	0.095
1057820	Soil	1.3	49.0	8.7	86	0.2	38.7	15.3	531	3.67	12.9	1.0	3.2	1.4	24	0.1	0.4	0.2	65	0.27	0.094
1057818	Soil	1.4	47.6	8.4	94	0.2	42.9	19.6	702	3.63	14.2	1.0	5.2	1.2	27	0.2	0.4	0.1	59	0.34	0.106
1057819	Soil	0.7	43.0	6.7	81	0.2	37.3	15.0	517	3.01	8.5	0.8	2.7	2.4	20	0.1	0.3	0.1	49	0.28	0.075
1057817	Soil	0.9	46.9	6.2	90	0.1	41.9	17.2	607	3.44	12.4	0.7	4.6	1.9	22	0.1	0.3	<0.1	53	0.31	0.085
1057815	Soil	0.7	45.8	6.7	80	0.2	38.7	13.7	386	2.97	7.8	0.9	6.4	3.6	21	0.1	0.2	0.1	46	0.31	0.081
1057816	Soil	0.8	49.6	6.1	84	0.2	40.2	15.1	518	3.07	11.7	0.9	2.7	2.6	24	0.2	0.3	<0.1	46	0.34	0.096
1057813	Soil	1.5	53.6	9.1	79	0.2	36.2	14.7	504	3.35	11.4	1.2	4.1	0.9	27	0.1	0.4	0.2	60	0.32	0.113
1057812	Soil	0.7	43.7	5.7	75	0.2	37.8	13.2	453	2.85	8.3	0.8	5.0	2.6	22	0.2	0.3	0.1	48	0.31	0.095
1057814	Soil	0.7	38.8	6.0	83	0.1	38.1	14.5	466	3.07	9.1	0.7	8.4	2.3	23	0.1	0.2	0.1	52	0.31	0.068
1057811	Soil	1.0	37.0	5.4	84	<0.1	37.1	12.7	502	3.11	10.2	0.7	2.8	1.1	24	0.3	0.3	<0.1	51	0.33	0.094
1061247	Soil	1.1	71.8	7.2	86	0.3	54.0	19.1	1164	2.95	10.2	1.3	3.9	1.6	43	0.3	0.3	0.1	43	0.67	0.097
1060657	Soil	1.0	71.9	8.4	105	0.1	59.7	17.9	652	4.08	16.9	0.7	3.0	4.0	34	0.1	0.3	0.1	55	0.46	0.098
1060658	Soil	0.9	67.4	10.4	105	0.2	58.9	18.5	684	3.88	12.1	0.9	4.4	4.2	39	0.1	0.3	0.2	52	0.47	0.087
1060656	Soil	1.5	65.2	10.0	91	0.3	59.3	22.7	921	3.75	17.2	1.2	6.7	2.6	30	0.1	0.6	0.2	53	0.38	0.096
1060655	Soil	1.0	52.8	10.4	95	0.1	55.5	13.9	468	3.59	28.7	0.8	5.7	3.9	32	<0.1	0.3	0.2	49	0.38	0.097
1060654	Soil	1.0	49.0	9.2	87	0.1	49.5	14.6	550	3.59	36.5	0.6	6.8	3.5	29	<0.1	0.3	0.2	44	0.38	0.109
1060653	Soil	1.1	96.1	9.7	87	0.4	164.8	27.9	684	3.56	68.4	0.9	5.5	3.1	37	0.3	0.8	0.2	44	0.45	0.112
1060652	Soil	1.1	73.8	11.3	115	0.3	75.0	23.1	622	4.50	17.5	0.9	3.3	5.5	58	0.1	0.3	0.2	45	0.30	0.092
1060651	Soil	1.1	58.9	10.7	108	0.4	64.4	24.6	1052	3.94	19.1	0.9	2.9	3.1	44	0.2	0.3	0.2	41	0.60	0.102
1061248	Soil	0.9	50.5	9.0	87	0.2	49.0	17.1	561	3.91	17.4	0.7	4.7	3.8	38	0.1	0.2	0.2	40	0.28	0.077
1061249	Soil	0.9	71.7	9.3	102	0.2	60.8	23.2	648	4.09	16.5	0.8	4.6	4.6	36	0.1	0.2	0.2	45	0.30	0.108
1061250	Soil	2.2	80.9	9.8	81	0.6	70.6	61.3	2234	3.43	29.5	1.5	3.1	2.0	58	0.4	0.4	0.2	40	0.87	0.168
1061235	Soil	1.3	58.4	9.5	86	0.1	62.4	22.7	714	3.71	22.2	0.7	5.2	2.7	18	0.2	0.5	0.2	46	0.23	0.090
1061239	Soil	1.4	49.3	9.9	86	0.2	51.3	19.5	715	3.76	19.3	0.7	6.9	2.0	25	0.1	0.4	0.2	45	0.24	0.073
1061237	Soil	1.3	54.5	11.8	93	0.2	57.2	21.1	800	3.88	20.8	0.8	2.6	2.1	22	0.1	0.5	0.2	48	0.21	0.072
1061236	Soil	1.7	73.9	12.5	99	0.3	66.7	24.7	978	4.39	24.4	1.1	37.1	2.8	22	<0.1	0.5	0.2	54	0.25	0.090
1061238	Soil	1.7	63.8	11.1	92	0.3	56.2	21.0	777	4.01	22.9	1.1	2.9	1.7	34	<0.1	0.5	0.2	51	0.34	0.106



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1057829	Soil	11	50	0.90	93	0.026	2	1.90	0.010	0.05	<0.1	0.03	2.3	<0.1	<0.05	6	<0.5	<0.2
1057809	Soil	11	45	0.92	79	0.036	1	1.74	0.008	0.05	<0.1	0.03	2.2	<0.1	<0.05	5	0.6	<0.2
1057810	Soil	10	42	0.88	74	0.051	<1	1.63	0.009	0.06	<0.1	0.02	2.5	<0.1	<0.05	5	0.6	<0.2
1057820	Soil	12	50	0.92	122	0.038	2	1.95	0.016	0.05	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
1057818	Soil	11	54	1.02	138	0.032	1	2.05	0.009	0.05	<0.1	0.05	2.6	<0.1	0.06	6	<0.5	<0.2
1057819	Soil	10	47	0.94	86	0.042	<1	1.88	0.007	0.05	<0.1	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
1057817	Soil	9	49	0.98	84	0.045	<1	1.82	0.007	0.06	<0.1	0.02	2.6	<0.1	<0.05	5	0.7	<0.2
1057815	Soil	12	44	0.91	74	0.049	1	1.90	0.013	0.05	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
1057816	Soil	11	42	0.87	73	0.048	1	1.67	0.008	0.05	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
1057813	Soil	18	44	0.75	136	0.028	1	1.75	0.011	0.05	<0.1	0.04	2.2	<0.1	0.07	6	0.5	<0.2
1057812	Soil	12	45	0.91	69	0.059	<1	1.80	0.008	0.06	<0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
1057814	Soil	9	47	0.93	75	0.060	1	1.81	0.012	0.05	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
1057811	Soil	10	46	0.92	111	0.045	<1	1.76	0.014	0.05	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
1061247	Soil	16	37	0.82	104	0.023	2	1.66	0.010	0.02	<0.1	0.05	1.9	<0.1	0.10	5	1.2	<0.2
1060657	Soil	11	59	1.29	73	0.057	1	2.16	0.011	0.07	<0.1	0.03	3.4	<0.1	<0.05	6	0.6	<0.2
1060658	Soil	9	60	1.25	97	0.031	1	2.37	0.010	0.05	<0.1	0.04	3.3	<0.1	<0.05	6	<0.5	<0.2
1060656	Soil	12	54	1.10	129	0.022	<1	2.18	0.007	0.04	<0.1	0.04	2.8	<0.1	<0.05	6	0.5	<0.2
1060655	Soil	9	61	1.14	83	0.037	<1	2.11	0.007	0.05	<0.1	0.03	2.9	<0.1	<0.05	6	0.5	<0.2
1060654	Soil	8	55	1.09	69	0.031	1	2.00	0.008	0.05	<0.1	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
1060653	Soil	13	88	1.24	91	0.019	2	2.02	0.009	0.06	<0.1	0.04	3.2	<0.1	<0.05	6	0.7	<0.2
1060652	Soil	10	57	1.42	55	0.017	<1	2.58	0.003	0.05	<0.1	0.03	2.6	<0.1	<0.05	7	0.6	<0.2
1060651	Soil	9	47	1.13	98	0.011	2	2.11	0.006	0.04	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
1061248	Soil	8	46	1.11	76	0.016	<1	2.06	0.004	0.03	<0.1	0.03	2.4	<0.1	<0.05	6	0.5	<0.2
1061249	Soil	11	51	1.25	57	0.025	<1	2.21	0.004	0.05	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
1061250	Soil	14	41	0.80	155	0.014	2	1.63	0.009	0.03	<0.1	0.05	2.2	<0.1	0.08	5	0.8	<0.2
1061235	Soil	11	42	0.93	60	0.034	2	1.95	0.007	0.04	<0.1	0.04	2.4	<0.1	<0.05	5	<0.5	<0.2
1061239	Soil	9	42	0.96	50	0.021	<1	1.87	0.005	0.03	<0.1	0.03	2.2	<0.1	<0.05	5	0.6	<0.2
1061237	Soil	10	43	0.93	73	0.026	1	1.94	0.006	0.04	0.1	0.04	2.3	<0.1	<0.05	6	0.6	<0.2
1061236	Soil	15	51	1.02	78	0.033	2	2.22	0.006	0.05	<0.1	0.03	3.0	<0.1	<0.05	7	<0.5	<0.2
1061238	Soil	14	47	0.97	75	0.025	1	2.04	0.007	0.04	<0.1	0.05	2.6	<0.1	<0.05	6	0.8	<0.2



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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
1061240	Soil	1.1	61.0	9.6	97	0.2	61.7	22.1	660	3.92	16.5	0.7	4.0	2.8	51	0.1	0.4	0.2	42	0.29
1061241	Soil	1.6	51.8	10.8	87	0.2	48.6	17.7	615	3.70	23.4	0.8	2.2	1.8	18	0.1	0.5	0.2	47	0.21
1061243	Soil	1.3	62.3	8.6	99	0.3	53.1	16.9	704	4.06	17.5	0.8	2.5	3.2	29	<0.1	0.3	0.2	46	0.29
1061242	Soil	1.0	62.7	8.4	102	0.2	59.0	19.5	759	4.25	17.9	0.8	2.8	4.3	38	<0.1	0.2	0.2	41	0.30
1061245	Soil	0.9	50.4	6.2	95	0.1	43.7	10.5	511	3.65	10.1	0.8	8.4	4.1	26	<0.1	0.2	0.2	40	0.30
1061246	Soil	1.1	40.8	7.9	94	0.1	45.1	15.7	594	3.59	18.6	0.6	1.8	3.2	30	0.1	0.2	0.2	39	0.32
1061244	Soil	0.9	51.4	6.8	90	0.2	45.6	15.4	586	3.59	12.5	0.8	2.3	3.2	26	<0.1	0.2	0.1	40	0.34
1060665	Soil	0.7	51.2	7.4	86	0.1	42.3	21.3	671	3.96	18.8	0.7	3.1	3.0	23	0.2	0.3	0.1	54	0.30
1060663	Soil	0.7	56.5	8.0	105	0.2	56.8	22.3	880	4.05	14.2	0.7	3.3	3.4	30	0.2	0.3	0.2	55	0.40
1060664	Soil	0.9	52.4	8.2	97	0.2	49.3	22.5	1063	3.85	14.6	0.7	3.4	2.8	31	0.2	0.3	0.2	53	0.44
1060662	Soil	0.5	57.7	8.6	104	0.2	54.5	20.0	536	3.99	11.8	0.7	3.9	3.9	26	0.2	0.2	0.2	54	0.33
1060666	Soil	0.6	37.9	7.9	83	0.1	41.6	16.5	549	3.51	14.9	0.6	1.7	2.5	23	<0.1	0.2	0.2	50	0.31
1060660	Soil	0.6	54.8	7.8	90	0.2	50.7	18.4	639	3.35	10.8	0.8	2.9	2.8	36	0.2	0.2	0.2	44	0.48
1060659	Soil	0.9	70.6	9.6	96	0.2	57.5	21.5	552	4.14	24.5	0.9	3.4	4.6	29	0.1	0.3	0.2	48	0.32
1060667	Soil	0.7	35.7	7.8	82	0.2	38.7	15.0	465	3.71	15.3	0.6	1.6	2.8	22	<0.1	0.2	0.2	50	0.28
1061286	Soil	1.1	81.8	4.0	90	0.2	91.4	26.4	740	4.65	18.5	0.6	8.0	1.3	18	<0.1	0.2	<0.1	104	0.36
1061285	Soil	1.1	81.3	2.6	91	0.1	95.0	29.8	823	4.75	21.0	0.3	2.9	1.2	19	<0.1	0.2	<0.1	105	0.46
1061287	Soil	1.2	75.1	3.5	90	0.2	81.6	24.7	736	4.54	11.1	0.6	2.7	1.3	19	<0.1	0.3	0.1	101	0.38
1061288	Soil	1.3	62.7	3.8	89	0.1	77.8	24.7	730	4.31	13.7	0.5	2.4	1.2	18	<0.1	0.3	0.1	99	0.36
1061289	Soil	1.3	63.4	5.0	100	0.2	64.9	21.5	685	4.12	20.6	0.7	1.8	1.0	21	0.1	0.3	0.1	98	0.33
1061290	Soil	1.3	63.8	3.8	90	0.1	57.7	23.2	806	4.32	37.5	0.4	4.2	1.0	21	0.1	0.3	0.1	102	0.41
1061291	Soil	1.1	53.6	3.9	85	0.2	47.7	19.0	649	3.86	29.1	0.5	2.5	1.0	21	0.2	0.3	<0.1	89	0.41
1061292	Soil	1.2	60.1	4.2	82	0.2	50.0	19.1	654	3.94	33.8	0.6	2.2	1.0	20	0.1	0.3	<0.1	92	0.35
1061293	Soil	1.2	58.3	5.9	93	0.2	52.8	20.4	648	3.86	58.3	0.7	2.9	1.5	31	0.2	0.3	0.1	82	0.39
1061297	Soil	1.3	60.0	7.2	92	0.2	54.7	18.0	527	3.95	122.0	0.8	11.9	1.6	22	0.1	0.3	0.2	94	0.29
1061296	Soil	1.3	47.2	6.9	83	0.1	44.0	16.9	532	3.60	68.0	0.6	4.9	1.5	20	0.2	0.4	0.1	79	0.27
1061299	Soil	1.1	58.9	6.2	94	0.2	53.9	20.7	573	4.06	81.2	0.8	4.1	1.9	23	0.1	0.3	0.1	96	0.30
1061276	Soil	0.6	73.7	4.7	99	0.1	44.3	21.4	602	4.12	25.8	0.3	1.8	1.6	16	0.1	0.2	<0.1	119	0.33
1061272	Soil	1.6	51.9	10.3	90	0.1	41.8	17.2	611	3.53	232.2	0.8	28.4	1.8	25	0.2	0.5	0.2	76	0.36
1061275	Soil	0.9	46.2	4.0	81	<0.1	32.4	15.4	533	3.45	16.1	0.4	2.1	1.1	15	<0.1	0.3	<0.1	76	0.28



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1061240	Soil	9	42	1.04	60	0.028	1	1.96	0.005	0.04	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5
1061241	Soil	9	44	0.93	67	0.023	<1	1.91	0.005	0.03	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5
1061243	Soil	11	45	1.10	69	0.023	<1	2.13	0.005	0.04	<0.1	0.02	2.4	<0.1	<0.05	6	0.6
1061242	Soil	11	45	1.16	47	0.027	<1	2.16	0.004	0.05	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5
1061245	Soil	10	44	1.12	48	0.026	1	2.11	0.004	0.03	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5
1061246	Soil	7	40	1.01	65	0.022	<1	1.91	0.004	0.03	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5
1061244	Soil	10	42	1.06	65	0.024	<1	1.93	0.005	0.03	<0.1	0.01	2.3	<0.1	<0.05	5	<0.5
1060665	Soil	10	48	1.05	102	0.039	<1	1.97	0.007	0.05	<0.1	0.03	2.8	<0.1	<0.05	6	0.5
1060663	Soil	9	57	1.32	111	0.042	<1	2.33	0.007	0.07	<0.1	0.03	3.3	<0.1	<0.05	6	<0.5
1060664	Soil	11	53	1.17	125	0.035	<1	2.26	0.013	0.06	<0.1	0.04	3.4	<0.1	<0.05	6	<0.5
1060662	Soil	9	57	1.31	100	0.047	<1	2.47	0.006	0.06	<0.1	0.02	3.4	<0.1	<0.05	7	<0.5
1060666	Soil	7	50	1.12	83	0.038	<1	2.07	0.006	0.05	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5
1060660	Soil	11	49	1.06	116	0.028	<1	2.03	0.010	0.05	<0.1	0.04	3.0	<0.1	<0.05	6	0.7
1060659	Soil	13	58	1.22	86	0.031	<1	2.32	0.006	0.05	0.1	0.03	3.3	<0.1	<0.05	6	<0.5
1060667	Soil	7	50	1.11	75	0.039	<1	2.06	0.011	0.05	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5
1061286	Soil	7	132	1.83	199	0.124	<1	2.84	0.008	0.33	<0.1	0.02	3.6	0.2	<0.05	9	<0.5
1061285	Soil	5	139	2.08	224	0.153	<1	2.96	0.008	0.51	<0.1	0.02	3.7	0.3	<0.05	9	0.5
1061287	Soil	7	126	1.83	204	0.122	<1	2.80	0.008	0.36	<0.1	0.02	4.0	0.2	<0.05	8	<0.5
1061288	Soil	5	122	1.79	189	0.116	<1	2.77	0.008	0.33	<0.1	0.01	3.8	0.2	<0.05	8	<0.5
1061289	Soil	7	104	1.59	195	0.102	<1	2.66	0.009	0.29	<0.1	0.03	4.2	0.2	<0.05	8	<0.5
1061290	Soil	5	85	1.58	342	0.126	1	2.69	0.010	0.56	<0.1	0.02	4.5	0.2	0.05	9	<0.5
1061291	Soil	5	70	1.40	321	0.110	1	2.38	0.010	0.43	<0.1	0.03	3.8	0.2	0.07	8	<0.5
1061292	Soil	6	73	1.38	281	0.100	<1	2.40	0.010	0.39	<0.1	0.03	4.2	0.2	<0.05	8	<0.5
1061293	Soil	9	70	1.20	273	0.084	1	2.32	0.011	0.33	<0.1	0.04	3.7	0.2	<0.05	7	<0.5
1061297	Soil	8	76	1.12	149	0.090	3	2.25	0.009	0.29	<0.1	0.03	3.5	0.2	0.06	7	0.6
1061296	Soil	7	65	1.06	132	0.083	2	2.08	0.009	0.26	<0.1	0.04	3.1	0.2	<0.05	6	0.6
1061299	Soil	8	79	1.24	162	0.097	<1	2.38	0.009	0.31	<0.1	0.02	3.8	0.2	<0.05	7	<0.5
1061276	Soil	4	66	1.47	383	0.193	<1	2.70	0.013	0.97	<0.1	0.01	6.6	0.3	<0.05	9	<0.5
1061272	Soil	9	49	0.84	111	0.073	1	1.77	0.011	0.12	<0.1	0.04	3.0	0.2	0.05	6	0.6
1061275	Soil	4	48	1.12	247	0.125	<1	2.21	0.011	0.42	<0.1	0.02	2.8	0.2	<0.05	7	<0.5



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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
1061274	Soil	0.9	74.6	4.1	99	0.2	52.4	24.9	920	5.04	154.9	0.4	3.4	1.4	18	0.1	0.2	<0.1	128	0.60
1061277	Soil	0.9	65.8	5.6	89	<0.1	61.0	29.0	944	4.31	16.9	0.3	2.5	1.3	26	<0.1	0.3	<0.1	110	0.37
1061273	Soil	0.9	76.5	3.1	106	0.2	51.7	25.5	985	5.28	122.0	0.3	3.2	1.1	19	0.2	0.2	<0.1	138	0.64
1061278	Soil	0.7	89.0	3.8	93	0.1	88.3	27.3	849	4.82	16.5	0.4	<0.5	1.4	16	<0.1	0.2	<0.1	127	0.52
1061279	Soil	0.7	81.3	4.3	86	0.1	85.7	24.4	697	4.37	15.8	0.5	4.6	1.6	16	<0.1	0.2	<0.1	106	0.45
1061280	Soil	1.1	107.9	4.1	123	0.1	100.7	32.2	898	5.31	12.8	0.5	1.9	1.8	22	0.1	0.1	<0.1	136	0.64
1061281	Soil	1.1	96.6	5.1	109	0.2	100.9	33.1	848	4.93	20.3	0.6	3.8	1.8	25	0.1	0.2	<0.1	119	0.56
1061283	Soil	1.5	84.2	6.9	103	0.2	88.0	25.5	717	4.52	18.6	0.9	1.5	2.3	21	0.1	0.3	0.1	98	0.30
1061282	Soil	1.3	76.5	8.3	100	0.2	76.9	21.7	552	4.08	22.8	1.0	2.8	2.5	24	0.2	0.3	0.2	83	0.28
1060661	Soil	1.1	51.5	10.9	95	0.2	50.4	24.9	839	3.73	19.8	0.9	2.2	3.1	33	<0.1	0.2	0.2	57	0.46
1061300	Soil	1.1	72.2	6.9	107	0.2	69.1	27.1	582	4.19	51.5	1.0	3.7	2.5	30	<0.1	0.2	0.1	93	0.31
1061202	Soil	1.5	81.2	7.5	112	0.3	62.7	28.0	579	4.30	53.6	1.1	1.4	2.0	31	0.1	0.3	0.1	97	0.34
1061201	Soil	1.6	74.2	7.7	102	0.3	61.1	25.6	568	4.25	53.2	1.2	2.9	1.6	36	<0.1	0.3	0.1	95	0.43
1061203	Soil	1.0	55.5	5.7	98	<0.1	54.9	21.6	506	3.79	61.8	0.6	6.0	2.4	21	<0.1	0.2	0.1	89	0.25
1061204	Soil	1.0	56.1	5.2	91	0.1	50.7	20.2	473	3.42	35.2	0.7	1.8	1.7	27	0.1	0.2	0.1	85	0.38
1061206	Soil	1.0	50.9	5.3	85	0.2	46.6	17.0	445	3.33	24.8	0.7	3.2	2.2	19	<0.1	0.2	<0.1	77	0.25
1061205	Soil	0.9	53.2	5.0	82	<0.1	49.1	17.9	461	3.49	26.7	0.6	3.3	2.0	20	0.1	0.2	0.1	86	0.28
1061284	Soil	1.1	96.6	2.6	96	0.1	93.0	31.4	808	4.66	19.1	0.3	1.7	1.2	17	<0.1	0.1	<0.1	111	0.52
1061298	Soil	1.2	59.5	6.3	100	0.2	52.5	20.8	565	3.92	122.6	0.8	2.8	2.2	22	0.1	0.3	0.1	91	0.30
1061295	Soil	1.5	58.3	7.9	88	0.3	45.7	20.2	647	3.83	113.1	1.1	5.9	1.1	26	0.1	0.4	0.1	88	0.41
1061294	Soil	1.0	55.5	5.9	97	0.1	53.4	19.2	557	3.75	42.3	0.7	1.6	2.0	21	0.2	0.3	0.1	94	0.34
1060382	Soil	0.5	24.9	3.7	76	0.1	29.3	10.1	371	2.71	9.9	0.4	<0.5	1.6	21	<0.1	0.1	<0.1	47	0.38
1060377	Soil	1.2	48.0	7.5	86	0.2	40.5	14.5	432	3.18	15.5	0.8	1.4	1.0	30	0.1	0.2	0.1	57	0.50
1060375	Soil	0.8	41.7	5.4	82	0.2	35.4	11.0	390	2.87	10.6	0.6	3.5	1.5	31	0.1	0.2	0.1	53	0.50
1060365	Soil	1.3	70.7	6.9	89	0.4	50.0	15.4	516	3.37	18.4	0.9	0.8	1.1	49	0.2	0.3	0.1	51	0.98
1060363	Soil	1.2	53.0	6.7	81	0.2	42.1	14.9	509	3.40	17.3	0.8	2.3	1.6	24	0.2	0.3	0.1	53	0.37
1060379	Soil	1.1	43.0	7.0	87	0.2	38.7	16.0	546	3.23	16.4	1.0	2.0	2.0	31	0.2	0.3	0.1	60	0.44
1060366	Soil	1.1	66.5	6.9	96	0.3	52.6	18.8	621	4.01	19.0	0.8	3.0	2.2	27	0.1	0.2	0.1	60	0.38
1060364	Soil	1.4	61.0	8.6	97	0.3	52.9	19.0	625	4.06	22.3	1.0	1.7	2.1	29	<0.1	0.3	0.2	55	0.43
1060362	Soil	1.3	53.7	7.9	109	0.2	44.9	15.7	558	3.53	19.3	0.9	2.9	2.0	34	0.3	0.3	0.2	54	0.57



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1061274	Soil	6	74	1.86	413	0.180	1	3.12	0.008	0.59	<0.1	0.02	6.3	0.2	<0.05	10	<0.5
1061277	Soil	5	83	1.52	405	0.151	<1	2.74	0.009	0.52	<0.1	<0.01	4.9	0.2	<0.05	8	<0.5
1061273	Soil	5	76	2.07	484	0.196	<1	3.39	0.008	0.66	<0.1	0.02	6.8	0.3	<0.05	10	<0.5
1061278	Soil	5	141	2.05	203	0.139	1	3.08	0.007	0.59	<0.1	0.02	6.3	0.2	<0.05	8	<0.5
1061279	Soil	6	120	1.75	163	0.112	<1	2.83	0.007	0.40	<0.1	0.03	4.9	0.2	<0.05	8	<0.5
1061280	Soil	6	136	2.20	216	0.169	<1	3.39	0.011	0.58	<0.1	0.02	6.2	0.3	<0.05	10	0.8
1061281	Soil	7	139	2.01	155	0.135	1	3.10	0.008	0.38	<0.1	0.02	4.7	0.2	<0.05	9	0.5
1061283	Soil	10	114	1.56	176	0.094	<1	2.70	0.007	0.29	<0.1	0.03	3.8	0.2	<0.05	8	0.7
1061282	Soil	12	85	1.18	110	0.047	<1	2.45	0.008	0.15	<0.1	0.02	3.2	0.2	<0.05	7	<0.5
1060661	Soil	8	55	1.17	125	0.035	<1	2.31	0.008	0.05	<0.1	0.03	3.6	<0.1	<0.05	6	0.8
1061300	Soil	10	76	1.21	171	0.108	<1	2.56	0.011	0.30	<0.1	0.02	4.2	0.2	<0.05	8	<0.5
1061202	Soil	12	78	1.19	172	0.102	1	2.48	0.011	0.28	<0.1	0.03	3.9	0.2	0.06	8	0.6
1061201	Soil	12	77	1.12	185	0.078	1	2.40	0.011	0.23	<0.1	0.04	3.5	0.2	0.06	7	<0.5
1061203	Soil	7	71	1.20	131	0.117	<1	2.22	0.007	0.31	<0.1	<0.01	3.8	0.2	<0.05	7	0.8
1061204	Soil	8	70	1.14	181	0.103	1	2.13	0.010	0.33	<0.1	0.01	3.7	0.2	<0.05	7	0.5
1061206	Soil	7	67	1.11	127	0.087	<1	2.05	0.009	0.26	<0.1	0.01	3.4	0.2	<0.05	6	<0.5
1061205	Soil	7	72	1.16	145	0.101	<1	2.19	0.008	0.28	<0.1	0.02	3.5	0.2	<0.05	7	<0.5
1061284	Soil	4	145	1.96	226	0.164	<1	2.92	0.007	0.48	<0.1	0.01	3.9	0.3	<0.05	8	<0.5
1061298	Soil	8	78	1.20	168	0.099	<1	2.30	0.010	0.31	<0.1	0.03	3.6	0.2	<0.05	7	0.7
1061295	Soil	9	70	1.05	175	0.061	<1	2.22	0.009	0.23	<0.1	0.04	2.8	0.2	0.06	7	0.6
1061294	Soil	6	79	1.24	187	0.109	1	2.32	0.009	0.43	<0.1	0.01	4.3	0.2	<0.05	7	0.7
1060382	Soil	5	44	0.98	62	0.061	<1	1.70	0.007	0.10	0.1	<0.01	2.4	<0.1	<0.05	5	0.6
1060377	Soil	8	49	0.96	116	0.034	<1	1.86	0.011	0.07	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5
1060375	Soil	7	47	0.95	104	0.049	2	1.72	0.013	0.08	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5
1060365	Soil	11	48	0.92	124	0.028	1	1.87	0.013	0.10	<0.1	0.05	1.9	<0.1	0.10	5	0.7
1060363	Soil	8	46	0.86	71	0.032	1	1.71	0.010	0.06	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5
1060379	Soil	11	50	0.91	126	0.050	<1	1.81	0.011	0.08	0.2	0.02	3.1	<0.1	<0.05	5	<0.5
1060366	Soil	9	58	1.20	116	0.040	<1	2.18	0.007	0.11	<0.1	0.02	2.5	<0.1	<0.05	6	<0.5
1060364	Soil	9	56	1.04	89	0.028	<1	2.07	0.010	0.07	<0.1	0.04	2.4	<0.1	<0.05	6	0.6
1060362	Soil	10	47	0.87	76	0.032	1	1.76	0.013	0.07	<0.1	0.03	2.1	<0.1	0.05	6	1.1



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
1060361	Soil	1.9	47.3	6.8	73	0.3	40.5	14.7	534	3.04	16.5	0.9	2.4	0.6	42	0.3	0.6	0.3	46	0.68	0.193
1060359	Soil	1.4	65.8	8.1	98	0.3	72.8	19.6	639	4.25	29.4	1.0	4.3	1.7	27	0.2	0.4	0.2	56	0.33	0.097
1060360	Soil	1.5	56.5	8.2	102	0.1	53.5	17.9	575	3.87	26.0	0.7	4.4	1.2	34	0.3	0.4	0.3	52	0.56	0.117
1060378	Soil	1.0	57.7	6.7	129	0.5	54.4	18.3	545	3.52	13.9	0.9	1.4	1.8	34	0.4	0.3	0.2	57	0.47	0.090
1060372	Soil	1.6	61.1	5.8	82	0.3	43.8	28.8	1538	3.27	15.8	0.8	2.5	0.8	44	0.3	0.3	0.2	46	0.79	0.128
1060374	Soil	0.8	48.0	6.1	95	0.1	43.6	14.3	450	3.69	14.2	0.6	2.7	1.9	24	<0.1	0.2	0.1	50	0.34	0.084
1060367	Soil	0.9	61.2	5.7	100	0.2	56.4	20.1	613	4.20	19.2	0.6	4.5	1.9	24	<0.1	0.2	0.1	58	0.34	0.082
1060368	Soil	1.1	78.1	6.0	96	0.2	58.7	19.4	584	4.13	20.7	0.8	2.9	1.9	28	<0.1	0.2	0.1	57	0.41	0.085
1060371	Soil	1.1	62.0	5.0	66	0.3	38.6	14.4	511	2.79	13.3	0.8	0.5	0.7	47	0.1	0.4	0.1	43	0.86	0.127
1060381	Soil	1.5	39.4	8.1	81	0.3	37.8	16.9	549	3.46	18.6	0.5	3.3	2.1	27	0.2	0.4	0.1	66	0.43	0.080
1060376	Soil	2.1	90.5	8.0	76	0.7	49.0	30.6	892	3.42	15.6	1.2	3.1	0.8	40	0.1	0.3	0.1	54	0.64	0.122
1060369	Soil	1.0	84.6	5.6	89	0.3	56.2	18.0	467	3.59	19.2	1.0	2.6	1.0	49	0.1	0.2	0.1	50	0.78	0.104
1060380	Soil	1.6	78.3	7.3	91	0.5	49.6	18.2	668	3.63	25.3	1.5	4.2	1.2	39	0.2	0.4	0.2	65	0.57	0.128
1060373	Soil	0.9	53.0	6.0	94	0.2	47.9	15.1	441	3.75	14.7	0.7	2.3	1.9	27	<0.1	0.3	0.1	53	0.41	0.084
1060370	Soil	0.5	37.5	3.7	56	0.3	23.6	9.3	226	2.65	8.0	0.5	<0.5	1.1	20	<0.1	0.1	<0.1	61	0.33	0.089



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CERTIFICATE OF ANALYSIS

WHI11000847.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1060361	Soil	9	39	0.70	103	0.018	3	1.51	0.013	0.07	<0.1	0.08	1.3	<0.1	0.23	5	<0.5	<0.2
1060359	Soil	12	71	1.16	86	0.028	2	2.33	0.010	0.06	<0.1	0.03	2.8	<0.1	0.07	6	<0.5	<0.2
1060360	Soil	9	49	0.95	99	0.022	2	1.96	0.012	0.07	0.1	0.04	1.9	<0.1	0.12	6	<0.5	<0.2
1060378	Soil	12	53	0.99	114	0.053	2	2.04	0.011	0.12	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1060372	Soil	12	40	0.91	143	0.024	2	1.81	0.011	0.05	<0.1	0.05	1.6	<0.1	0.08	5	<0.5	<0.2
1060374	Soil	8	51	1.22	88	0.034	<1	2.30	0.006	0.06	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
1060367	Soil	7	58	1.44	112	0.050	<1	2.46	0.006	0.12	<0.1	0.01	2.8	<0.1	<0.05	7	<0.5	<0.2
1060368	Soil	10	56	1.39	117	0.048	2	2.45	0.006	0.14	<0.1	0.02	2.9	0.1	<0.05	7	<0.5	<0.2
1060371	Soil	16	34	0.79	139	0.027	<1	1.72	0.011	0.05	<0.1	0.04	1.5	<0.1	0.09	5	<0.5	<0.2
1060381	Soil	8	48	0.92	116	0.074	1	1.93	0.012	0.10	0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1060376	Soil	16	45	0.88	152	0.024	<1	1.97	0.011	0.06	<0.1	0.05	2.4	<0.1	<0.05	5	<0.5	<0.2
1060369	Soil	14	44	1.06	127	0.032	1	2.05	0.011	0.10	<0.1	0.03	1.9	<0.1	0.07	6	<0.5	<0.2
1060380	Soil	13	55	1.08	174	0.040	1	2.34	0.012	0.09	0.3	0.04	3.7	<0.1	<0.05	6	<0.5	<0.2
1060373	Soil	7	52	1.18	105	0.040	<1	2.29	0.009	0.07	<0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
1060370	Soil	8	24	0.52	58	0.064	<1	1.05	0.012	0.04	<0.1	0.01	1.3	<0.1	<0.05	4	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000847.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1057913	Soil	1.4	80.8	10.6	137	0.2	85.3	26.2	773	4.93	97.5	1.0	80.5	4.6	35	0.3	0.7	0.2	60	0.34	0.114
REP 1057913	QC	1.6	79.1	10.6	136	0.2	83.8	25.6	761	4.88	96.1	1.1	58.7	4.3	35	0.2	0.7	0.2	60	0.33	0.112
1061126	Soil	0.8	48.3	4.8	91	0.2	45.4	18.8	537	3.86	11.7	0.7	3.2	1.8	20	<0.1	0.3	0.1	86	0.32	0.071
REP 1061126	QC	0.7	48.7	4.8	93	0.2	45.5	18.9	569	3.96	12.1	0.7	2.3	1.9	20	0.1	0.3	<0.1	89	0.31	0.071
1061137	Soil	2.3	64.9	11.6	98	0.2	45.6	39.8	1691	4.06	24.7	1.5	1.7	0.8	37	0.3	0.6	0.2	80	0.51	0.174
REP 1061137	QC	2.0	62.0	11.0	92	0.2	43.5	37.5	1629	3.80	23.1	1.4	2.4	0.7	35	0.3	0.6	0.2	77	0.48	0.163
1057822	Soil	1.2	58.5	7.9	85	0.2	50.3	19.8	569	3.28	13.7	0.8	2.4	1.8	24	0.2	0.3	0.1	54	0.34	0.095
REP 1057822	QC	1.2	56.9	7.6	84	0.2	50.1	19.1	581	3.26	13.6	0.8	3.7	1.7	24	0.2	0.3	0.1	52	0.34	0.093
1057816	Soil	0.8	49.6	6.1	84	0.2	40.2	15.1	518	3.07	11.7	0.9	2.7	2.6	24	0.2	0.3	<0.1	46	0.34	0.096
REP 1057816	QC	0.8	48.9	6.0	83	0.2	40.7	15.3	533	3.07	12.3	0.9	4.4	2.5	23	0.1	0.3	<0.1	46	0.34	0.093
1061250	Soil	2.2	80.9	9.8	81	0.6	70.6	61.3	2234	3.43	29.5	1.5	3.1	2.0	58	0.4	0.4	0.2	40	0.87	0.168
REP 1061250	QC	2.3	80.3	10.4	81	0.7	70.7	61.1	2264	3.43	29.9	1.5	3.1	2.0	58	0.3	0.4	0.2	40	0.86	0.169
1061292	Soil	1.2	60.1	4.2	82	0.2	50.0	19.1	654	3.94	33.8	0.6	2.2	1.0	20	0.1	0.3	<0.1	92	0.35	0.076
REP 1061292	QC	1.2	58.8	4.3	81	0.2	47.4	18.5	634	3.90	33.7	0.6	4.2	0.9	20	0.1	0.3	<0.1	90	0.34	0.076
1061272	Soil	1.6	51.9	10.3	90	0.1	41.8	17.2	611	3.53	232.2	0.8	28.4	1.8	25	0.2	0.5	0.2	76	0.36	0.084
REP 1061272	QC	1.7	53.6	10.4	88	0.1	42.9	18.5	602	3.59	230.0	0.8	56.6	1.7	22	0.2	0.6	0.2	76	0.37	0.079
1061201	Soil	1.6	74.2	7.7	102	0.3	61.1	25.6	568	4.25	53.2	1.2	2.9	1.6	36	<0.1	0.3	0.1	95	0.43	0.086
REP 1061201	QC	1.5	78.7	8.1	105	0.3	62.3	27.2	584	4.45	53.8	1.2	2.4	1.6	37	0.1	0.4	0.2	97	0.43	0.093
1060370	Soil	0.5	37.5	3.7	56	0.3	23.6	9.3	226	2.65	8.0	0.5	<0.5	1.1	20	<0.1	0.1	<0.1	61	0.33	0.089
REP 1060370	QC	0.5	35.7	3.5	55	0.3	21.8	9.0	222	2.65	7.9	0.5	1.7	1.0	20	0.1	0.1	<0.1	62	0.32	0.087
Reference Materials																					
STD DS8	Standard	14.5	118.6	136.1	322	1.9	41.7	8.1	654	2.65	27.9	3.0	112.7	7.5	73	2.5	5.8	7.3	46	0.72	0.080
STD DS8	Standard	11.7	99.5	109.8	288	1.7	34.7	6.7	559	2.29	25.2	2.3	103.8	5.9	57	2.0	4.8	5.9	38	0.63	0.072
STD DS8	Standard	13.8	108.2	123.5	307	1.6	38.4	7.5	620	2.44	25.8	2.8	96.0	7.4	65	2.3	5.0	5.7	44	0.71	0.078
STD DS8	Standard	12.5	107.6	119.6	309	1.8	37.2	7.5	613	2.49	26.1	2.6	115.3	6.5	60	2.2	5.3	6.4	40	0.67	0.079
STD DS8	Standard	12.0	107.3	124.0	299	1.7	36.9	7.4	584	2.33	27.3	2.7	105.4	6.6	56	2.1	4.6	5.3	42	0.66	0.074
STD DS8	Standard	13.1	110.6	110.1	303	1.7	37.2	7.4	606	2.43	26.9	2.5	108.6	6.3	59	2.5	5.1	5.8	40	0.67	0.080
STD DS8	Standard	14.0	113.3	127.8	325	1.9	38.5	7.7	630	2.54	26.6	2.9	108.8	7.3	71	2.5	5.9	7.0	43	0.78	0.078



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Part 2

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1057913	Soil	16	57	1.22	62	0.029	4	2.40	0.011	0.05	<0.1	0.04	3.4	<0.1	<0.05	7	0.6	<0.2
REP 1057913	QC	16	57	1.20	62	0.028	2	2.34	0.011	0.05	<0.1	0.03	3.2	<0.1	<0.05	7	0.8	<0.2
1061126	Soil	9	80	1.53	217	0.140	1	2.79	0.009	0.33	<0.1	0.03	4.9	0.2	<0.05	8	<0.5	<0.2
REP 1061126	QC	9	83	1.57	223	0.146	<1	2.81	0.010	0.33	<0.1	0.03	5.2	0.2	<0.05	9	0.8	<0.2
1061137	Soil	17	60	0.91	280	0.030	2	2.40	0.012	0.10	<0.1	0.07	2.4	0.2	0.18	7	1.0	<0.2
REP 1061137	QC	16	56	0.85	264	0.030	2	2.27	0.012	0.09	<0.1	0.07	2.4	0.2	0.18	7	0.7	<0.2
1057822	Soil	10	42	0.86	93	0.037	<1	1.71	0.008	0.05	<0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
REP 1057822	QC	10	41	0.83	96	0.036	1	1.63	0.008	0.04	<0.1	0.03	2.0	<0.1	<0.05	5	0.6	<0.2
1057816	Soil	11	42	0.87	73	0.048	1	1.67	0.008	0.05	<0.1	0.02	2.8	<0.1	<0.05	4	<0.5	<0.2
REP 1057816	QC	11	42	0.84	70	0.043	<1	1.63	0.007	0.04	<0.1	0.03	2.6	<0.1	<0.05	5	0.7	<0.2
1061250	Soil	14	41	0.80	155	0.014	2	1.63	0.009	0.03	<0.1	0.05	2.2	<0.1	0.08	5	0.8	<0.2
REP 1061250	QC	15	41	0.81	160	0.014	2	1.66	0.009	0.03	<0.1	0.05	2.2	<0.1	0.07	5	1.1	<0.2
1061292	Soil	6	73	1.38	281	0.100	<1	2.40	0.010	0.39	<0.1	0.03	4.2	0.2	<0.05	8	<0.5	<0.2
REP 1061292	QC	6	73	1.34	268	0.098	1	2.37	0.010	0.38	<0.1	0.03	3.9	0.2	<0.05	8	<0.5	<0.2
1061272	Soil	9	49	0.84	111	0.073	1	1.77	0.011	0.12	<0.1	0.04	3.0	0.2	0.05	6	0.6	<0.2
REP 1061272	QC	9	48	0.81	113	0.066	1	1.71	0.011	0.12	<0.1	0.05	2.9	0.2	<0.05	6	0.7	<0.2
1061201	Soil	12	77	1.12	185	0.078	1	2.40	0.011	0.23	<0.1	0.04	3.5	0.2	0.06	7	<0.5	<0.2
REP 1061201	QC	12	80	1.15	187	0.085	<1	2.55	0.011	0.25	<0.1	0.04	3.4	0.2	0.06	8	<0.5	<0.2
1060370	Soil	8	24	0.52	58	0.064	<1	1.05	0.012	0.04	<0.1	0.01	1.3	<0.1	<0.05	4	<0.5	<0.2
REP 1060370	QC	8	23	0.48	56	0.067	<1	0.98	0.012	0.04	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	16	130	0.61	286	0.127	3	0.92	0.092	0.43	2.9	0.21	2.5	5.6	0.12	5	5.1	5.4
STD DS8	Standard	12	107	0.55	252	0.095	2	0.84	0.082	0.39	2.6	0.17	2.2	4.9	0.15	4	4.9	4.3
STD DS8	Standard	15	118	0.57	289	0.118	2	0.94	0.107	0.42	3.2	0.21	2.4	5.2	0.14	5	5.6	5.3
STD DS8	Standard	13	116	0.61	269	0.104	3	0.89	0.088	0.42	3.1	0.22	2.2	5.5	0.14	5	6.0	5.1
STD DS8	Standard	12	114	0.60	265	0.102	2	0.88	0.089	0.40	2.8	0.19	2.0	5.0	0.14	4	5.2	4.8
STD DS8	Standard	14	114	0.61	284	0.107	2	0.92	0.090	0.41	3.0	0.22	2.2	5.7	0.13	4	4.8	5.2
STD DS8	Standard	17	120	0.67	297	0.126	3	0.96	0.090	0.42	3.1	0.22	2.4	5.7	0.17	5	5.4	4.8



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Part 1

QUALITY CONTROL REPORT

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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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	1.1	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	2.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm 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 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
STD DS8 Expected		14.6	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	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Mike Skead

Receiving Lab: Canada-Whitehorse

Received: July 15, 2011

Report Date: August 11, 2011

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CERTIFICATE OF ANALYSIS

WHI11000849.1

CLIENT JOB INFORMATION

Project: GAR
Shipment ID:
P.O. Number
Number of Samples: 185

SAMPLE DISPOSAL

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

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

Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	185	Dry at 60C			VAN
SS80	185	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	185	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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GAR

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August 11, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000849.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1060355	Soil	1.7	48.8	9.9	78	0.1	41.1	14.5	530	3.51	17.0	0.9	4.8	1.0	23	0.1	0.7	0.2	60	0.27	0.093
1060353	Soil	1.1	60.0	7.9	78	0.2	49.6	16.4	514	3.28	15.6	0.6	3.4	1.8	18	<0.1	0.5	0.2	52	0.21	0.044
1060351	Soil	1.4	56.1	10.2	86	0.1	55.5	22.4	792	3.79	15.6	0.7	2.4	2.0	27	0.1	0.5	0.2	52	0.33	0.073
1060354	Soil	1.6	53.8	9.5	78	0.2	50.3	17.2	583	3.52	17.6	0.7	2.6	1.6	22	0.1	0.6	0.2	56	0.18	0.064
1060357	Soil	1.4	61.4	11.3	93	0.2	82.5	20.9	799	3.81	47.1	0.8	12.1	1.8	28	0.1	0.5	0.2	58	0.30	0.092
1060356	Soil	1.4	56.7	9.4	78	0.2	49.7	19.4	605	3.58	18.0	0.8	1.9	1.1	31	0.1	0.6	0.1	61	0.32	0.091
1060358	Soil	1.1	57.5	8.2	93	0.2	72.1	19.9	604	3.80	34.1	0.8	5.3	2.0	33	0.2	0.4	0.2	57	0.35	0.076
1060352	Soil	1.6	41.3	8.8	77	0.1	38.6	15.7	538	3.30	15.0	0.8	3.9	1.0	33	0.1	0.7	0.2	58	0.44	0.082
1080524	Soil	1.2	46.6	9.2	77	0.1	53.5	16.9	613	3.27	12.8	0.7	2.5	1.4	23	0.2	0.6	0.1	55	0.36	0.062
1080523	Soil	2.6	52.0	12.5	98	0.2	58.5	20.1	716	3.77	18.1	0.9	3.8	0.9	33	0.4	1.0	0.2	62	0.46	0.086
1080527	Soil	1.3	77.3	6.5	90	0.1	89.5	24.5	726	4.10	15.8	0.5	3.2	1.2	19	0.1	0.5	0.1	68	0.25	0.049
1080525	Soil	1.3	75.1	8.9	87	0.2	79.8	22.6	684	3.82	26.8	0.7	2.5	1.5	30	<0.1	0.5	0.1	61	0.44	0.080
1080528	Soil	1.4	75.2	7.4	80	0.2	72.2	22.3	675	3.99	14.7	0.7	<0.5	1.1	20	0.1	0.5	0.2	67	0.27	0.058
1080526	Soil	1.6	67.9	9.6	79	0.2	65.3	21.4	690	3.52	25.5	0.7	2.1	0.9	34	<0.1	0.5	0.2	55	0.52	0.108
1080522	Soil	1.8	41.0	10.2	84	0.1	46.7	16.1	638	3.62	13.7	0.7	4.0	0.6	23	0.3	0.6	0.2	60	0.32	0.063
1080520	Soil	1.2	71.1	12.3	117	0.1	77.0	23.9	850	4.33	16.2	0.7	2.6	2.9	37	0.2	0.5	0.2	46	0.38	0.084
1080521	Soil	1.2	77.5	13.0	123	0.3	95.7	24.6	800	4.83	19.0	0.9	3.6	4.2	39	0.2	0.5	0.3	51	0.24	0.052
1080517	Soil	2.5	44.1	11.7	101	0.1	44.4	16.0	703	3.61	14.8	0.8	2.9	0.7	28	0.3	0.9	0.2	66	0.37	0.101
1080519	Soil	2.8	43.0	11.3	112	0.2	39.1	18.2	726	3.27	15.4	1.0	1.4	0.5	52	0.6	1.1	0.2	55	0.96	0.129
1080518	Soil	2.6	38.1	12.3	76	<0.1	34.5	17.7	777	3.53	14.0	0.8	8.3	0.7	21	0.2	0.8	0.2	64	0.25	0.078
1080502	Soil	1.2	79.4	11.0	107	0.1	99.6	28.1	2275	4.67	27.9	0.7	2.0	3.2	23	0.1	0.5	0.3	42	0.27	0.074
1080503	Soil	1.9	60.7	16.8	107	0.2	67.6	26.1	904	4.47	34.2	0.8	8.4	1.8	21	0.1	0.7	0.3	56	0.28	0.081
1080501	Soil	1.7	54.1	10.2	95	0.1	56.3	20.6	675	3.73	17.9	0.8	26.1	1.4	21	0.2	0.7	0.2	61	0.26	0.063
1080504	Soil	2.9	41.0	13.6	104	<0.1	43.6	18.5	807	3.91	19.2	0.9	1.6	1.0	26	0.1	1.1	0.2	66	0.30	0.081
1087995	Soil	1.7	63.8	12.1	92	0.2	64.8	22.4	720	3.82	24.1	0.9	9.6	2.0	19	0.1	0.7	0.2	51	0.24	0.066
1087999	Soil	1.3	53.3	10.9	77	0.3	61.6	15.4	555	3.46	34.1	0.9	3.1	1.6	23	0.1	0.5	0.2	50	0.31	0.084
1088000	Soil	1.6	41.9	9.5	78	<0.1	42.7	14.7	537	3.46	16.4	0.7	3.3	1.1	21	0.1	0.6	0.1	55	0.22	0.072
1087996	Soil	2.1	48.1	9.7	87	0.1	51.5	20.1	1035	3.80	20.9	0.8	3.2	1.7	22	0.1	0.7	0.2	48	0.33	0.086
1087998	Soil	1.2	57.1	8.5	89	0.2	61.6	16.7	617	3.61	19.3	0.8	6.8	2.8	19	0.1	0.4	0.2	47	0.23	0.056
1087997	Soil	2.1	47.1	9.2	65	0.3	37.3	10.5	328	2.83	13.4	0.9	3.8	0.6	27	0.1	0.7	0.2	46	0.37	0.097



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1060355	Soil	10	46	0.77	114	0.019	1	1.85	0.010	0.04	<0.1	0.05	1.9	<0.1	<0.05	5	1.0	<0.2
1060353	Soil	9	42	0.81	67	0.026	1	1.76	0.008	0.04	<0.1	0.02	2.1	<0.1	<0.05	5	0.6	<0.2
1060351	Soil	8	44	0.76	95	0.023	1	1.77	0.009	0.04	<0.1	0.04	1.8	<0.1	<0.05	6	0.8	<0.2
1060354	Soil	9	45	0.81	89	0.024	1	1.98	0.008	0.04	<0.1	0.04	2.0	<0.1	<0.05	5	0.9	<0.2
1060357	Soil	12	90	1.17	111	0.012	<1	2.23	0.008	0.04	<0.1	0.03	2.6	<0.1	<0.05	6	0.7	<0.2
1060356	Soil	11	54	0.83	125	0.022	1	1.86	0.012	0.03	<0.1	0.02	2.0	<0.1	<0.05	6	0.8	<0.2
1060358	Soil	10	80	1.12	73	0.033	1	1.99	0.012	0.05	<0.1	0.03	3.0	<0.1	<0.05	6	0.8	<0.2
1060352	Soil	8	43	0.80	109	0.027	<1	1.67	0.013	0.04	<0.1	0.05	1.9	<0.1	0.06	5	0.5	<0.2
1080524	Soil	7	55	0.90	82	0.039	<1	1.72	0.009	0.05	<0.1	0.03	2.1	<0.1	<0.05	5	0.8	<0.2
1080523	Soil	10	57	0.90	96	0.027	1	1.74	0.010	0.07	<0.1	0.03	2.2	<0.1	<0.05	5	1.1	<0.2
1080527	Soil	7	92	1.55	91	0.051	1	2.34	0.006	0.10	<0.1	0.02	2.4	<0.1	<0.05	6	0.5	<0.2
1080525	Soil	9	75	1.22	75	0.039	2	2.06	0.010	0.06	<0.1	0.02	2.7	<0.1	<0.05	5	0.8	<0.2
1080528	Soil	8	79	1.29	92	0.042	2	2.17	0.007	0.07	<0.1	0.03	2.4	0.1	<0.05	6	0.7	<0.2
1080526	Soil	9	64	1.08	80	0.026	<1	1.85	0.009	0.05	<0.1	0.03	1.9	<0.1	0.10	5	1.0	<0.2
1080522	Soil	7	51	0.88	87	0.036	<1	1.70	0.008	0.04	<0.1	0.03	1.7	<0.1	0.05	6	0.7	<0.2
1080520	Soil	8	50	1.11	79	0.012	<1	2.14	0.006	0.05	<0.1	0.02	2.2	<0.1	<0.05	6	1.1	<0.2
1080521	Soil	9	64	1.35	70	0.009	1	2.51	0.006	0.04	<0.1	0.04	2.7	<0.1	<0.05	6	0.6	<0.2
1080517	Soil	8	48	0.84	133	0.016	1	1.87	0.008	0.04	<0.1	0.04	1.6	0.1	0.08	6	0.6	<0.2
1080519	Soil	9	41	0.70	120	0.015	1	1.38	0.009	0.07	<0.1	0.06	1.2	<0.1	0.12	5	0.6	<0.2
1080518	Soil	9	46	0.78	117	0.029	1	1.74	0.008	0.04	<0.1	0.04	2.0	0.1	<0.05	6	<0.5	<0.2
1080502	Soil	7	53	1.07	127	0.016	1	2.30	0.005	0.06	<0.1	0.03	2.3	<0.1	<0.05	6	<0.5	<0.2
1080503	Soil	7	58	1.05	71	0.014	1	2.34	0.007	0.04	<0.1	0.03	2.1	<0.1	0.06	7	0.8	<0.2
1080501	Soil	10	56	0.89	84	0.032	<1	1.86	0.008	0.04	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
1080504	Soil	9	48	0.91	98	0.029	<1	1.83	0.009	0.06	<0.1	0.02	2.3	0.1	0.08	6	0.8	<0.2
1087995	Soil	11	52	0.93	67	0.028	1	1.88	0.008	0.05	<0.1	0.04	2.4	<0.1	<0.05	5	<0.5	<0.2
1087999	Soil	12	62	0.88	67	0.023	<1	1.70	0.008	0.04	<0.1	0.04	2.1	<0.1	0.07	5	0.8	<0.2
1088000	Soil	7	50	0.93	81	0.029	1	1.81	0.008	0.04	<0.1	0.03	2.2	<0.1	<0.05	6	0.7	<0.2
1087996	Soil	9	42	0.82	95	0.018	<1	1.80	0.007	0.05	<0.1	0.03	1.9	<0.1	<0.05	6	0.6	<0.2
1087998	Soil	11	53	0.98	56	0.032	1	1.82	0.007	0.05	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
1087997	Soil	12	39	0.63	85	0.020	1	1.33	0.010	0.04	<0.1	0.04	1.6	<0.1	0.11	5	0.9	<0.2



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Project: GAR
Report Date: August 11, 2011

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
1080513	Soil	1.8	44.0	10.5	83	<0.1	44.8	18.0	579	3.49	13.7	0.6	2.1	0.9	21	0.1	0.7	0.2	56	0.26	0.071
1080516	Soil	1.3	56.1	8.6	81	0.1	50.5	20.1	556	3.41	14.6	0.6	3.6	1.8	20	0.2	0.5	0.1	54	0.23	0.035
1080509	Soil	3.2	44.4	13.7	117	0.1	43.0	22.1	790	3.84	18.0	0.8	2.5	0.8	25	0.3	1.0	0.2	67	0.27	0.068
1080508	Soil	2.1	35.2	9.5	105	<0.1	41.6	18.3	600	3.34	14.9	0.7	2.6	0.7	20	0.3	0.8	0.2	58	0.24	0.051
1087993	Soil	1.0	61.4	7.6	102	<0.1	59.8	19.9	649	3.71	15.4	0.9	2.6	4.2	17	0.1	0.3	0.2	45	0.23	0.081
1087994	Soil	2.4	48.0	11.4	84	<0.1	41.6	19.3	713	3.42	15.4	0.9	3.8	0.9	25	0.2	0.8	0.2	58	0.32	0.094
1080507	Soil	2.8	45.6	13.2	80	<0.1	40.0	19.1	679	3.54	21.4	0.9	2.6	0.9	22	0.1	0.9	0.2	61	0.24	0.077
1080510	Soil	2.7	46.2	11.5	94	0.2	44.3	20.4	677	3.65	17.2	0.9	3.7	1.0	26	0.2	0.9	0.2	61	0.31	0.073
1080506	Soil	2.2	72.8	8.0	95	<0.1	46.7	17.3	543	3.90	16.2	0.8	4.7	1.8	44	0.2	0.7	0.2	51	0.25	0.055
1080505	Soil	1.6	47.4	5.9	97	<0.1	29.6	11.3	565	4.21	11.0	0.7	20.5	2.3	66	<0.1	0.4	0.2	47	0.25	0.064
1080511	Soil	1.9	46.3	10.1	96	0.1	49.0	19.0	626	3.76	19.0	0.9	3.8	1.3	26	0.2	0.6	0.2	48	0.35	0.108
1080512	Soil	1.6	55.1	10.2	79	0.2	49.3	19.0	595	2.70	18.3	0.7	3.5	1.0	80	0.4	0.4	0.2	31	1.34	0.089
1080514	Soil	1.0	38.7	5.6	77	<0.1	43.2	17.1	521	3.34	13.5	0.5	2.8	1.4	21	<0.1	0.3	<0.1	55	0.32	0.049
1080515	Soil	2.0	40.6	10.2	87	0.1	45.9	17.1	546	3.61	14.8	0.7	3.3	1.0	26	0.1	0.8	0.1	63	0.36	0.065
1060226	Soil	0.9	66.7	5.4	107	0.2	59.9	20.8	645	4.60	34.5	0.4	3.2	2.3	23	0.1	0.2	0.1	73	0.45	0.091
1060225	Soil	0.9	63.0	5.9	91	0.2	58.1	17.7	694	3.92	28.5	0.6	4.2	2.1	23	<0.1	0.2	0.1	60	0.37	0.074
1060234	Soil	0.7	37.6	6.2	89	0.1	41.8	15.3	544	3.24	14.1	0.6	11.5	2.2	28	<0.1	0.2	0.1	49	0.48	0.085
1060232	Soil	0.7	31.1	5.5	82	0.1	37.8	13.6	484	3.11	13.1	0.6	6.8	2.0	27	<0.1	0.1	0.1	45	0.50	0.079
1060229	Soil	0.8	51.5	6.2	85	0.2	47.9	15.6	542	3.30	13.4	0.6	2.7	2.2	30	0.1	0.2	0.1	55	0.56	0.085
1060231	Soil	0.7	39.3	5.4	80	<0.1	40.5	13.2	480	3.18	16.2	0.5	4.1	2.2	24	<0.1	0.2	<0.1	47	0.42	0.078
1060233	Soil	0.7	34.7	5.1	83	0.1	39.4	13.9	442	3.07	12.9	0.6	2.6	2.2	26	<0.1	0.2	0.1	49	0.44	0.076
1060230	Soil	1.0	50.2	7.9	91	0.2	48.5	19.6	596	3.49	15.4	0.7	1.8	2.5	34	0.1	0.3	0.1	57	0.62	0.084
1060228	Soil	1.0	58.3	7.4	92	0.1	51.9	20.9	786	3.80	17.7	0.8	4.0	2.7	29	0.1	0.2	0.1	62	0.52	0.072
1060235	Soil	0.5	31.5	4.2	85	0.1	40.8	13.7	506	3.27	14.8	0.5	1.7	2.5	25	<0.1	0.1	<0.1	40	0.43	0.092
1060227	Soil	0.8	84.1	8.1	93	0.2	64.9	24.1	779	3.73	21.6	0.9	2.6	2.3	32	0.4	0.4	0.1	59	0.63	0.084
1060213	Soil	1.6	74.1	7.6	104	0.2	73.2	24.1	647	4.04	22.3	1.0	1.7	1.9	25	<0.1	0.2	0.2	56	0.33	0.069
1060224	Soil	0.6	47.1	5.6	92	0.1	50.7	13.9	519	3.71	17.0	0.5	4.0	2.3	26	<0.1	0.2	0.1	55	0.41	0.086
1060217	Soil	0.7	74.3	5.9	96	0.2	64.6	23.2	650	4.01	21.1	0.8	2.3	2.4	24	<0.1	0.2	0.1	63	0.41	0.078
1060221	Soil	0.6	68.2	5.0	102	0.1	70.7	21.2	827	4.39	32.2	0.5	5.3	2.5	21	<0.1	0.2	0.1	65	0.37	0.095
1060219	Soil	0.7	67.4	5.4	95	0.2	63.5	18.5	575	4.03	24.8	0.6	3.5	2.3	22	0.1	0.1	0.1	58	0.45	0.095



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1080513	Soil	7	44	0.78	82	0.036	<1	1.52	0.008	0.06	0.1	0.03	1.7	0.1	<0.05	5	<0.5
1080516	Soil	8	45	0.92	87	0.039	1	1.81	0.008	0.05	<0.1	0.03	2.5	<0.1	<0.05	5	<0.5
1080509	Soil	9	47	0.82	105	0.027	1	1.68	0.008	0.05	<0.1	0.04	1.9	<0.1	<0.05	6	<0.5
1080508	Soil	7	46	0.82	71	0.031	<1	1.63	0.007	0.05	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5
1087993	Soil	15	40	0.90	52	0.025	1	1.93	0.005	0.03	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5
1087994	Soil	9	42	0.71	104	0.023	2	1.54	0.010	0.04	<0.1	0.05	2.1	<0.1	0.06	5	<0.5
1080507	Soil	8	46	0.76	100	0.022	<1	1.71	0.007	0.04	0.1	0.04	2.3	<0.1	<0.05	6	<0.5
1080510	Soil	11	48	0.86	98	0.028	1	1.79	0.011	0.05	<0.1	0.04	2.4	<0.1	<0.05	5	0.5
1080506	Soil	12	47	0.99	110	0.038	<1	2.00	0.010	0.07	<0.1	0.02	2.1	<0.1	0.08	6	<0.5
1080505	Soil	15	44	1.04	115	0.048	1	2.04	0.011	0.08	<0.1	0.02	2.1	<0.1	0.13	6	<0.5
1080511	Soil	9	48	0.95	50	0.019	1	1.74	0.009	0.07	<0.1	0.03	1.7	<0.1	0.05	5	<0.5
1080512	Soil	9	34	0.66	60	0.013	2	1.23	0.009	0.04	<0.1	0.07	1.3	<0.1	0.11	4	1.4
1080514	Soil	6	50	1.04	68	0.060	1	1.58	0.008	0.10	<0.1	0.03	2.2	<0.1	<0.05	5	<0.5
1080515	Soil	7	51	0.95	110	0.031	1	1.82	0.009	0.05	<0.1	0.05	2.5	<0.1	<0.05	6	<0.5
1060226	Soil	5	80	1.71	117	0.085	<1	2.60	0.006	0.30	<0.1	0.02	3.6	0.2	<0.05	7	<0.5
1060225	Soil	7	68	1.43	113	0.063	1	2.29	0.006	0.13	<0.1	0.03	2.9	<0.1	<0.05	6	<0.5
1060234	Soil	8	51	1.07	83	0.038	<1	1.86	0.009	0.06	<0.1	0.03	3.0	<0.1	<0.05	5	<0.5
1060232	Soil	7	47	1.05	79	0.034	1	1.79	0.008	0.05	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5
1060229	Soil	9	53	1.07	94	0.053	1	1.86	0.013	0.09	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5
1060231	Soil	7	47	1.02	63	0.044	<1	1.72	0.010	0.06	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5
1060233	Soil	7	49	1.01	61	0.048	1	1.72	0.010	0.08	0.1	0.01	2.8	<0.1	<0.05	5	<0.5
1060230	Soil	10	56	1.12	114	0.051	1	2.04	0.013	0.08	<0.1	0.03	3.5	<0.1	<0.05	5	<0.5
1060228	Soil	10	62	1.24	110	0.061	<1	2.21	0.010	0.09	<0.1	0.03	3.9	<0.1	<0.05	6	<0.5
1060235	Soil	5	42	1.05	44	0.033	<1	1.71	0.005	0.07	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5
1060227	Soil	12	56	1.15	125	0.052	1	2.00	0.013	0.11	<0.1	0.03	3.6	<0.1	<0.05	6	<0.5
1060213	Soil	8	64	1.21	74	0.030	1	2.17	0.007	0.06	<0.1	0.01	2.5	<0.1	<0.05	6	0.7
1060224	Soil	7	63	1.37	90	0.060	<1	2.23	0.008	0.08	<0.1	0.01	2.8	<0.1	<0.05	6	<0.5
1060217	Soil	7	72	1.46	131	0.060	<1	2.34	0.005	0.13	<0.1	0.03	3.1	<0.1	<0.05	6	<0.5
1060221	Soil	7	83	1.66	102	0.070	<1	2.50	0.005	0.27	<0.1	0.02	3.1	0.1	<0.05	7	<0.5
1060219	Soil	7	69	1.51	111	0.062	<1	2.33	0.005	0.25	<0.1	0.03	2.9	0.1	<0.05	6	<0.5



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Part 1

CERTIFICATE OF ANALYSIS

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	Method	Analyte	Unit	MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1060222	Soil				0.7	53.3	5.8	91	0.2	54.3	17.4	549	3.69	17.6	0.6	1.9	2.6	24	<0.1	0.2	0.1	53	0.44	0.092
1060218	Soil				0.8	70.2	4.3	99	0.2	71.4	25.2	845	4.52	24.9	0.4	3.5	1.7	24	<0.1	0.2	<0.1	74	0.48	0.098
1060216	Soil				1.1	98.0	4.0	109	0.2	105.6	33.1	976	5.48	24.4	0.3	2.4	1.3	23	<0.1	0.1	<0.1	102	0.57	0.094
1060215	Soil				1.2	98.1	4.1	110	0.2	100.0	31.3	945	5.50	26.3	0.4	1.9	1.4	24	<0.1	0.1	<0.1	101	0.57	0.096
1060214	Soil				1.2	95.4	5.2	109	0.2	109.2	30.1	903	4.93	18.8	0.6	1.8	1.9	26	<0.1	0.2	0.1	83	0.54	0.092
1060223	Soil				1.0	51.7	5.3	92	0.1	53.1	17.3	597	3.85	22.0	0.5	2.3	2.5	23	<0.1	0.1	0.1	53	0.37	0.075
1060220	Soil				0.8	67.1	5.2	99	0.1	68.2	23.0	725	4.39	33.5	0.6	2.5	2.5	22	<0.1	0.1	0.1	62	0.38	0.098
1060203	Soil				2.1	39.9	10.6	75	0.2	42.5	15.3	506	3.49	18.6	0.8	3.6	0.6	27	0.2	0.8	0.5	59	0.27	0.091
1060202	Soil				1.6	48.4	9.8	98	0.3	58.0	19.7	546	3.65	19.8	0.8	3.2	1.3	27	0.3	0.8	0.3	62	0.26	0.059
1060211	Soil				1.1	58.9	5.7	81	0.2	51.9	14.5	475	3.46	16.9	0.8	1.5	1.2	25	0.1	0.3	0.2	56	0.41	0.070
1060206	Soil				1.2	48.0	7.2	76	0.2	54.9	17.3	441	3.24	19.2	0.8	2.1	1.1	32	0.3	0.4	0.2	46	0.18	0.061
1060205	Soil				0.6	84.1	10.7	109	0.2	80.8	20.9	598	4.35	22.3	0.7	1.4	4.0	120	0.2	0.2	0.3	49	0.25	0.044
1060210	Soil				0.9	76.8	7.1	98	0.2	72.7	20.0	617	3.98	18.9	1.0	4.0	2.3	28	<0.1	0.3	0.2	59	0.32	0.070
1060208	Soil				1.4	77.3	7.8	90	0.2	68.4	18.6	480	4.01	18.3	1.2	4.5	1.8	25	<0.1	0.5	0.2	63	0.22	0.080
1060201	Soil				1.8	38.5	8.5	80	<0.1	40.0	15.2	409	3.13	13.9	0.7	1.6	1.3	24	0.3	0.8	0.1	61	0.20	0.036
1060212	Soil				1.2	80.8	7.3	107	0.2	77.8	22.7	634	4.04	21.1	1.0	2.5	2.4	33	0.2	0.2	0.2	51	0.33	0.086
1060204	Soil				2.2	42.2	10.5	115	0.2	40.6	17.6	522	3.57	18.0	0.8	1.9	0.8	32	0.4	0.8	0.2	67	0.32	0.067
1060207	Soil				1.4	47.7	7.4	75	0.1	47.1	12.4	334	3.16	13.2	0.8	2.9	0.7	24	0.1	0.4	0.2	53	0.29	0.064
1060209	Soil				1.0	65.8	5.6	93	0.2	63.1	19.8	619	4.02	15.3	0.7	2.2	2.1	30	<0.1	0.2	0.1	60	0.35	0.084
1084192	Soil				1.4	55.3	7.0	91	0.2	52.5	17.9	563	3.76	16.5	0.9	3.4	2.5	34	0.1	0.4	0.2	64	0.52	0.076
1084194	Soil				0.7	54.3	5.8	90	0.2	44.1	15.3	477	3.52	12.3	1.0	4.7	3.3	30	<0.1	0.2	0.1	53	0.42	0.096
1084199	Soil				0.7	56.0	6.1	89	0.1	48.8	15.9	573	3.53	13.3	0.7	4.5	3.1	35	<0.1	0.3	0.1	57	0.47	0.097
1084197	Soil				0.8	43.2	5.8	94	0.1	45.8	16.0	585	3.58	14.6	0.6	3.5	3.2	32	<0.1	0.3	0.1	59	0.45	0.101
1084344	Soil				1.2	54.9	6.3	77	0.1	39.9	15.1	432	3.22	13.9	0.8	4.9	2.3	25	0.2	0.5	0.1	62	0.24	0.072
1084195	Soil				0.7	50.9	6.4	89	0.2	45.4	16.8	565	3.35	12.2	0.8	3.5	3.1	39	<0.1	0.3	0.1	52	0.59	0.095
1084198	Soil				0.6	44.6	5.5	99	0.1	43.8	14.8	560	3.58	12.9	0.6	3.6	3.2	31	0.1	0.2	0.1	52	0.40	0.100
1084342	Soil				1.0	50.8	5.9	100	0.2	49.4	18.9	530	3.90	12.9	0.9	5.2	3.8	23	0.2	0.4	0.1	84	0.27	0.091
1084343	Soil				1.7	41.2	9.6	88	<0.1	38.4	15.0	531	3.50	13.5	0.9	4.5	1.6	21	0.1	0.8	0.2	65	0.19	0.085
1084193	Soil				1.4	90.1	7.9	124	0.3	76.9	25.6	670	4.73	33.0	1.1	3.7	4.7	36	0.2	0.2	0.2	68	0.47	0.116
1084196	Soil				0.7	47.0	6.6	87	0.2	43.7	15.8	529	3.50	11.8	0.8	4.2	2.7	37	<0.1	0.3	0.1	56	0.56	0.084



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1060222	Soil	7	60	1.34	90	0.053	1	2.16	0.006	0.14	<0.1	0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
1060218	Soil	5	83	1.76	142	0.088	<1	2.60	0.005	0.31	<0.1	0.01	3.2	0.1	<0.05	7	<0.5	<0.2
1060216	Soil	4	145	2.43	177	0.116	<1	3.31	0.004	0.49	<0.1	0.01	3.9	0.3	<0.05	8	<0.5	<0.2
1060215	Soil	4	138	2.40	180	0.115	<1	3.28	0.005	0.50	<0.1	0.02	4.0	0.3	<0.05	8	<0.5	<0.2
1060214	Soil	5	111	1.92	107	0.078	<1	2.82	0.005	0.24	<0.1	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
1060223	Soil	7	62	1.35	84	0.056	<1	2.23	0.007	0.12	<0.1	0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
1060220	Soil	7	78	1.61	100	0.065	<1	2.47	0.004	0.25	<0.1	0.01	3.0	0.1	<0.05	6	<0.5	<0.2
1060203	Soil	7	46	0.76	74	0.028	<1	1.65	0.009	0.06	<0.1	0.03	1.4	<0.1	0.08	6	<0.5	<0.2
1060202	Soil	9	51	0.88	82	0.044	<1	1.93	0.008	0.06	<0.1	0.06	2.2	<0.1	0.06	6	<0.5	<0.2
1060211	Soil	8	52	1.07	78	0.028	<1	1.92	0.007	0.07	<0.1	0.03	2.4	<0.1	0.05	5	<0.5	<0.2
1060206	Soil	7	41	0.79	62	0.020	<1	1.71	0.007	0.03	<0.1	0.04	1.6	<0.1	<0.05	5	<0.5	<0.2
1060205	Soil	9	52	1.10	86	0.011	<1	2.36	0.005	0.06	<0.1	0.02	2.3	0.1	<0.05	6	<0.5	<0.2
1060210	Soil	10	58	1.21	92	0.044	<1	2.18	0.008	0.08	<0.1	0.04	2.7	<0.1	<0.05	6	<0.5	<0.2
1060208	Soil	9	59	1.09	87	0.027	2	2.28	0.008	0.04	<0.1	0.04	2.8	<0.1	<0.05	6	<0.5	<0.2
1060201	Soil	8	43	0.74	70	0.062	<1	1.61	0.009	0.04	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
1060212	Soil	9	52	1.15	73	0.032	<1	2.14	0.006	0.07	<0.1	0.03	2.5	<0.1	<0.05	6	0.6	<0.2
1060204	Soil	10	47	0.78	87	0.046	1	1.74	0.011	0.05	<0.1	0.03	2.2	<0.1	0.06	6	<0.5	<0.2
1060207	Soil	6	44	0.81	67	0.029	<1	1.62	0.008	0.04	<0.1	0.04	1.7	<0.1	0.06	5	<0.5	<0.2
1060209	Soil	8	59	1.37	78	0.064	2	2.26	0.008	0.11	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
1084192	Soil	11	58	1.14	100	0.068	2	2.12	0.013	0.11	<0.1	0.03	3.5	<0.1	<0.05	6	0.6	<0.2
1084194	Soil	11	50	1.18	84	0.057	1	2.03	0.012	0.11	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1084199	Soil	11	55	1.15	105	0.062	2	2.07	0.014	0.07	<0.1	0.01	3.4	<0.1	0.07	6	<0.5	<0.2
1084197	Soil	9	57	1.19	94	0.073	2	2.16	0.014	0.09	<0.1	<0.01	3.5	<0.1	<0.05	6	<0.5	<0.2
1084344	Soil	10	43	0.80	67	0.066	<1	1.70	0.013	0.07	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
1084195	Soil	10	51	1.14	95	0.054	<1	1.98	0.010	0.08	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1084198	Soil	8	53	1.20	70	0.060	1	1.97	0.011	0.09	<0.1	<0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
1084342	Soil	11	63	1.08	110	0.116	3	2.22	0.013	0.32	<0.1	0.01	4.4	0.2	<0.05	7	<0.5	<0.2
1084343	Soil	10	47	0.84	72	0.048	<1	1.98	0.013	0.07	<0.1	0.02	2.3	<0.1	0.10	6	<0.5	<0.2
1084193	Soil	13	65	1.37	77	0.070	<1	2.55	0.007	0.18	<0.1	0.01	3.5	<0.1	<0.05	7	<0.5	<0.2
1084196	Soil	10	55	1.12	101	0.054	<1	2.00	0.011	0.07	<0.1	0.02	3.2	<0.1	0.05	6	0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
1060053	Soil	0.7	41.4	5.7	90	0.1	40.8	14.6	616	3.43	13.5	0.6	3.4	2.8	31	0.2	0.3	<0.1	52	0.46	0.105
1084178	Soil	1.2	57.5	6.6	97	<0.1	58.6	20.6	542	4.07	17.0	0.9	3.6	3.1	24	0.1	0.5	0.1	87	0.26	0.062
1084179	Soil	2.0	46.8	9.6	89	<0.1	46.8	16.6	506	3.72	19.4	0.8	4.6	0.8	31	0.2	0.8	0.2	70	0.27	0.081
1084183	Soil	1.3	90.9	10.1	121	0.3	88.6	31.3	660	4.53	24.6	1.6	4.1	2.9	26	0.1	0.5	0.2	61	0.25	0.083
1084350	Soil	1.7	121.2	7.7	102	0.9	37.1	11.9	459	4.57	15.1	2.2	13.6	7.5	61	0.2	0.3	0.5	71	0.23	0.150
1084347	Soil	1.4	54.2	8.3	82	0.1	43.1	13.4	401	3.60	13.9	1.0	6.3	1.0	21	0.2	0.6	0.1	69	0.20	0.054
1084177	Soil	2.6	60.8	12.8	122	<0.1	60.2	19.1	594	4.54	26.3	1.2	3.9	0.9	24	0.2	1.0	0.2	81	0.19	0.062
1084349	Soil	1.1	45.9	7.0	90	<0.1	57.5	18.4	441	3.73	12.6	0.9	3.5	1.8	28	0.2	0.4	0.2	61	0.25	0.066
1084346	Soil	1.0	52.9	6.7	88	0.2	58.3	20.6	433	3.25	19.5	0.9	11.0	2.2	27	0.2	0.5	0.1	62	0.29	0.063
1084348	Soil	0.5	85.7	10.9	151	<0.1	135.6	53.7	1176	5.07	20.1	0.7	6.3	5.4	21	0.2	0.3	0.2	60	0.25	0.058
1084345	Soil	1.4	51.0	8.8	85	0.1	42.1	18.4	446	3.26	13.0	0.9	3.4	1.2	24	0.1	0.7	0.1	62	0.22	0.081
1084180	Soil	2.0	49.1	9.3	88	0.1	48.6	15.9	444	3.56	14.4	1.0	3.8	0.5	30	0.1	0.7	0.2	62	0.35	0.114
1084184	Soil	1.2	75.5	8.4	110	0.3	74.3	24.4	643	4.11	25.0	1.3	5.4	2.3	40	0.3	0.5	0.2	63	0.44	0.093
1060051	Soil	0.7	43.9	5.6	78	0.2	39.3	14.5	526	3.15	13.1	0.6	3.6	2.2	35	<0.1	0.3	<0.1	49	0.52	0.102
1084189	Soil	1.2	48.3	6.6	83	0.1	54.1	19.3	536	3.67	17.7	0.7	3.7	1.9	31	<0.1	0.3	<0.1	66	0.44	0.085
1084186	Soil	1.3	58.2	7.9	103	0.2	57.4	22.6	607	3.67	23.3	1.0	4.3	1.5	37	0.2	0.4	0.1	57	0.48	0.094
1084182	Soil	0.9	102.2	7.9	125	0.4	92.5	28.8	707	4.61	17.6	1.4	9.7	4.0	21	0.2	0.5	0.2	58	0.15	0.047
1084181	Soil	1.6	52.3	7.8	100	0.2	56.1	24.5	539	3.37	14.6	1.2	4.6	1.4	39	0.4	0.7	0.2	53	0.40	0.113
1084185	Soil	1.3	62.6	8.1	102	0.2	72.1	22.1	623	4.00	27.8	1.0	3.1	1.5	39	0.2	0.5	0.2	59	0.43	0.097
1084191	Soil	0.9	47.0	5.1	124	0.2	68.8	25.6	1018	5.32	31.0	0.4	3.8	1.4	28	0.2	0.2	<0.1	115	0.57	0.138
1084190	Soil	1.3	46.7	7.4	86	<0.1	53.4	19.6	505	3.60	19.9	0.8	2.6	2.5	28	<0.1	0.3	0.1	59	0.36	0.071
1060052	Soil	0.6	40.4	5.7	87	<0.1	39.9	13.6	574	3.40	13.4	0.6	3.9	3.1	30	0.2	0.3	<0.1	48	0.45	0.105
1084187	Soil	0.7	73.9	6.7	104	0.2	66.4	21.3	632	4.37	25.4	1.0	3.2	4.3	28	0.2	0.2	0.1	61	0.17	0.048
1084188	Soil	1.6	46.6	8.9	87	0.3	46.7	19.4	568	3.61	18.7	0.8	4.2	2.0	38	0.2	0.6	0.1	60	0.50	0.075
1080735	Soil	1.2	41.1	5.9	83	<0.1	46.1	18.7	499	3.84	11.8	0.6	2.3	2.1	22	0.1	0.4	<0.1	108	0.25	0.043
1058393	Soil	1.2	58.1	6.3	91	0.1	55.2	21.3	546	3.95	33.6	0.8	4.6	2.7	26	0.1	0.4	<0.1	97	0.25	0.053
1058392	Soil	1.8	81.4	3.4	102	<0.1	83.8	33.9	1220	5.56	10.0	0.2	3.3	0.8	25	0.1	0.3	<0.1	177	0.49	0.095
1058394	Soil	1.2	62.8	5.5	97	0.1	68.2	24.3	515	4.17	9.7	0.9	2.4	3.1	20	0.1	0.4	0.2	100	0.23	0.055
1080737	Soil	0.5	59.7	5.6	99	<0.1	67.6	20.8	572	4.06	22.6	0.6	5.8	3.2	49	0.1	0.2	0.1	94	0.37	0.104
1058395	Soil	1.2	62.0	5.2	95	<0.1	65.4	23.6	536	4.20	10.0	0.9	2.2	2.9	21	<0.1	0.4	0.2	100	0.23	0.055



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1060053	Soil	8	48	1.08	74	0.061	2	1.88	0.013	0.10	<0.1	0.01	2.7	<0.1	0.06	5	<0.5	<0.2
1084178	Soil	11	65	1.04	135	0.112	<1	2.17	0.012	0.23	<0.1	0.02	3.6	0.2	0.07	7	<0.5	<0.2
1084179	Soil	10	43	0.74	99	0.049	1	1.70	0.013	0.05	<0.1	0.02	2.1	<0.1	0.08	6	<0.5	<0.2
1084183	Soil	20	57	1.17	46	0.028	<1	2.41	0.011	0.06	<0.1	0.02	2.8	<0.1	0.08	6	<0.5	<0.2
1084350	Soil	39	65	1.02	56	0.095	<1	2.39	0.043	0.19	<0.1	0.07	3.7	0.3	0.23	7	<0.5	<0.2
1084347	Soil	11	51	0.85	74	0.055	<1	2.05	0.011	0.06	<0.1	0.02	2.1	<0.1	0.07	6	<0.5	<0.2
1084177	Soil	14	58	0.96	74	0.051	<1	2.38	0.011	0.07	<0.1	0.03	2.5	<0.1	0.07	8	0.5	<0.2
1084349	Soil	12	49	0.88	67	0.069	<1	1.88	0.012	0.08	<0.1	0.02	2.5	<0.1	0.06	5	<0.5	<0.2
1084346	Soil	12	47	0.87	67	0.080	<1	2.04	0.014	0.12	<0.1	0.05	2.7	0.1	0.10	5	<0.5	<0.2
1084348	Soil	13	59	1.22	103	0.017	<1	2.75	0.008	0.13	<0.1	0.01	3.3	0.1	<0.05	7	<0.5	<0.2
1084345	Soil	10	42	0.76	79	0.047	<1	1.68	0.013	0.06	<0.1	0.03	2.0	<0.1	0.10	5	0.6	<0.2
1084180	Soil	10	48	0.82	99	0.034	<1	1.80	0.013	0.07	<0.1	0.03	1.6	<0.1	0.13	6	0.6	<0.2
1084184	Soil	14	68	1.15	69	0.042	<1	2.22	0.010	0.09	<0.1	0.02	2.8	<0.1	0.10	6	<0.5	<0.2
1060051	Soil	9	44	1.00	97	0.056	<1	1.72	0.012	0.07	<0.1	0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
1084189	Soil	9	62	1.08	118	0.079	<1	1.97	0.010	0.12	<0.1	0.01	3.0	<0.1	<0.05	6	0.6	<0.2
1084186	Soil	12	55	1.05	88	0.047	<1	2.02	0.010	0.13	<0.1	0.02	2.3	<0.1	0.09	6	<0.5	<0.2
1084182	Soil	17	55	1.11	55	0.035	<1	2.37	0.014	0.05	<0.1	0.03	3.5	<0.1	<0.05	6	<0.5	<0.2
1084181	Soil	15	44	0.80	70	0.034	<1	1.83	0.017	0.06	<0.1	0.04	1.9	<0.1	0.15	5	1.1	<0.2
1084185	Soil	12	69	1.10	68	0.035	<1	2.17	0.010	0.09	<0.1	0.02	2.1	<0.1	0.13	6	<0.5	<0.2
1084191	Soil	6	119	2.19	231	0.156	<1	3.24	0.008	0.73	<0.1	<0.01	6.3	0.3	<0.05	10	<0.5	<0.2
1084190	Soil	10	57	1.09	78	0.068	<1	1.95	0.009	0.14	<0.1	0.02	2.8	<0.1	<0.05	6	0.6	<0.2
1060052	Soil	8	45	1.05	67	0.060	<1	1.83	0.011	0.10	<0.1	<0.01	2.6	<0.1	<0.05	5	<0.5	<0.2
1084187	Soil	14	58	1.32	66	0.074	<1	2.44	0.009	0.11	<0.1	0.01	3.2	0.1	<0.05	6	<0.5	<0.2
1084188	Soil	10	50	0.91	123	0.053	<1	1.92	0.010	0.08	<0.1	0.02	2.5	<0.1	0.09	6	<0.5	<0.2
1080735	Soil	7	72	1.19	168	0.174	<1	2.63	0.014	0.27	<0.1	0.01	4.6	0.1	<0.05	8	<0.5	<0.2
1058393	Soil	10	72	1.21	168	0.161	<1	2.44	0.011	0.46	<0.1	0.01	3.9	0.2	<0.05	7	<0.5	<0.2
1058392	Soil	3	140	2.26	184	0.227	<1	3.53	0.009	0.60	0.1	<0.01	8.7	0.2	<0.05	10	<0.5	<0.2
1058394	Soil	10	74	1.20	171	0.139	1	2.38	0.011	0.40	<0.1	0.03	3.8	0.3	0.06	7	<0.5	<0.2
1080737	Soil	8	81	1.27	242	0.119	<1	2.73	0.009	0.61	<0.1	<0.01	4.3	0.3	<0.05	8	<0.5	<0.2
1058395	Soil	10	77	1.26	173	0.145	<1	2.49	0.012	0.38	<0.1	0.02	3.9	0.3	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
1058398	Soil	1.5	44.7	7.6	79	0.1	40.2	15.1	446	3.92	12.4	0.8	2.8	1.6	24	<0.1	0.5	0.2	94	0.25
1058400	Soil	0.8	66.4	4.3	87	<0.1	50.5	21.0	507	3.81	10.7	0.7	4.2	3.2	37	0.1	0.4	0.1	94	0.36
1058396	Soil	1.0	156.8	2.1	102	0.1	68.6	50.8	950	6.63	56.4	0.2	2.8	0.6	21	0.1	0.1	<0.1	220	0.41
1058399	Soil	1.2	61.3	5.6	91	0.2	54.6	20.8	573	4.30	13.1	0.7	2.6	3.0	28	0.1	0.5	0.1	102	0.29
1080736	Soil	1.3	49.0	6.0	93	<0.1	53.8	21.3	596	4.11	15.2	0.6	1.7	1.7	27	0.1	0.4	0.1	111	0.27
1080734	Soil	0.9	46.0	4.6	74	<0.1	47.7	18.7	569	3.52	11.9	0.4	2.6	1.9	23	0.1	0.3	<0.1	91	0.36
1058397	Soil	1.4	57.3	6.4	96	<0.1	55.1	21.0	568	4.30	15.8	0.6	2.4	1.9	23	<0.1	0.4	0.1	107	0.25
1080739	Soil	1.4	48.7	6.8	88	<0.1	57.4	17.9	497	3.87	10.7	0.8	2.1	2.0	23	0.2	0.4	0.2	98	0.25
1080740	Soil	1.1	59.0	4.8	88	<0.1	46.6	17.3	437	4.02	13.2	0.8	9.0	2.8	23	<0.1	0.3	0.1	93	0.19
1080738	Soil	1.5	45.3	7.1	87	<0.1	58.4	19.9	526	3.72	9.5	0.7	2.3	1.7	24	0.1	0.6	0.1	94	0.30
1080743	Soil	1.2	66.6	5.5	96	0.2	61.0	21.0	496	3.90	13.3	1.0	3.0	3.1	32	0.1	0.4	0.1	96	0.30
1080744	Soil	1.1	58.3	5.3	99	<0.1	54.1	18.5	531	4.03	8.9	0.9	3.6	3.6	28	0.1	0.3	0.2	89	0.27
1080741	Soil	1.2	57.9	6.0	94	<0.1	47.1	19.5	483	4.08	9.3	0.9	2.6	2.8	25	<0.1	0.4	0.1	95	0.23
1080742	Soil	1.1	56.4	5.2	93	<0.1	47.2	16.4	450	3.83	10.2	0.9	26.1	3.0	25	0.1	0.3	0.1	90	0.26
1080745	Soil	1.0	65.1	5.1	98	0.1	69.0	21.2	461	3.77	9.4	0.9	2.1	3.0	30	0.1	0.2	0.1	83	0.26
1080746	Soil	1.2	60.7	7.5	94	0.1	55.3	19.3	531	4.09	19.0	1.2	1.7	1.9	29	0.2	0.4	0.2	93	0.29
1058382	Soil	1.2	63.1	5.7	91	0.2	54.8	20.4	507	3.74	11.1	0.9	1.6	2.9	27	0.2	0.4	0.2	85	0.32
1058384	Soil	1.1	45.3	7.4	71	0.1	39.9	16.8	457	3.02	9.5	0.8	3.5	1.7	29	0.1	0.5	0.2	64	0.31
1058383	Soil	1.4	54.6	7.2	78	0.1	46.3	16.4	445	3.25	14.3	1.1	2.1	2.0	31	0.1	0.5	0.2	62	0.36
1058388	Soil	1.2	54.0	5.5	93	0.1	47.7	20.4	608	4.16	11.9	0.7	2.4	2.2	25	0.1	0.4	0.1	100	0.36
1058381	Soil	1.4	74.5	6.7	92	0.2	57.7	21.6	566	3.65	23.8	0.9	4.9	2.1	27	0.2	0.5	0.1	80	0.33
1058386	Soil	1.0	56.1	6.1	85	0.1	50.9	18.2	454	3.56	12.0	0.8	2.6	2.7	37	0.1	0.3	0.2	75	0.29
1058380	Soil	1.2	86.7	5.5	86	0.2	52.2	25.4	484	3.25	14.5	1.0	3.5	2.1	23	0.2	0.4	0.1	72	0.27
1058387	Soil	1.3	53.7	6.7	72	0.2	46.7	17.0	398	3.08	9.7	0.9	3.6	1.7	38	0.1	0.4	0.1	65	0.34
1058385	Soil	1.0	65.4	6.5	76	<0.1	52.3	17.9	411	3.21	11.8	0.9	4.3	2.8	35	0.1	0.3	0.2	58	0.28
1058389	Soil	1.0	84.4	5.4	120	0.1	139.6	64.2	941	4.25	16.7	0.8	3.5	3.1	22	0.2	0.3	0.1	83	0.25
1058391	Soil	1.0	58.0	3.9	92	<0.1	72.3	24.6	683	4.25	6.7	0.4	1.9	2.0	30	0.1	0.3	<0.1	115	0.33
1058390	Soil	0.6	64.9	3.5	93	<0.1	83.5	25.9	570	3.41	5.7	0.7	2.6	3.8	29	0.2	0.2	<0.1	68	0.30
1057880	Soil	0.8	25.8	3.2	54	<0.1	16.3	8.9	233	3.01	4.4	0.3	1.3	0.6	16	<0.1	0.2	<0.1	90	0.24
1057869	Soil	1.4	104.1	11.5	110	0.2	93.0	31.0	802	4.32	33.7	1.3	4.5	3.3	25	0.1	0.5	0.2	64	0.27



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1058398	Soil	8	62	1.07	114	0.115	1	2.24	0.011	0.20	<0.1	0.02	3.1	0.2	<0.05	7	<0.5	<0.2
1058400	Soil	11	57	1.08	245	0.159	<1	2.03	0.017	0.48	<0.1	0.02	4.4	0.2	<0.05	7	<0.5	<0.2
1058396	Soil	3	98	2.26	213	0.205	<1	3.76	0.006	0.72	<0.1	0.01	12.3	0.2	<0.05	11	<0.5	<0.2
1058399	Soil	10	66	1.22	179	0.146	<1	2.48	0.012	0.32	<0.1	0.02	4.2	0.2	<0.05	7	<0.5	<0.2
1080736	Soil	7	76	1.27	218	0.156	<1	2.58	0.010	0.30	<0.1	0.02	4.3	0.2	<0.05	8	<0.5	<0.2
1080734	Soil	7	57	1.11	131	0.133	1	2.19	0.013	0.24	<0.1	0.01	4.2	0.2	<0.05	6	<0.5	<0.2
1058397	Soil	7	74	1.36	203	0.156	<1	2.68	0.009	0.41	<0.1	0.02	3.9	0.3	<0.05	8	<0.5	<0.2
1080739	Soil	9	86	1.19	126	0.125	1	2.36	0.012	0.26	<0.1	0.03	4.0	0.2	<0.05	8	<0.5	<0.2
1080740	Soil	12	65	1.16	133	0.139	<1	2.34	0.012	0.33	<0.1	0.02	4.0	0.3	<0.05	7	<0.5	<0.2
1080738	Soil	9	75	1.11	148	0.111	<1	2.30	0.011	0.22	<0.1	0.02	3.8	0.2	<0.05	7	<0.5	<0.2
1080743	Soil	12	70	1.16	147	0.130	<1	2.29	0.012	0.34	<0.1	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
1080744	Soil	11	67	1.23	132	0.107	<1	2.36	0.010	0.33	<0.1	0.02	4.0	0.2	<0.05	7	<0.5	<0.2
1080741	Soil	11	69	1.12	138	0.129	<1	2.38	0.011	0.31	<0.1	0.02	4.2	0.2	0.07	7	<0.5	<0.2
1080742	Soil	12	65	1.13	139	0.127	<1	2.25	0.011	0.32	<0.1	0.02	3.9	0.2	<0.05	7	<0.5	<0.2
1080745	Soil	11	63	1.18	120	0.103	<1	2.34	0.009	0.39	<0.1	0.01	3.9	0.2	<0.05	7	<0.5	<0.2
1080746	Soil	12	84	1.24	158	0.088	<1	2.49	0.011	0.30	<0.1	0.03	4.0	0.2	0.05	8	<0.5	<0.2
1058382	Soil	10	56	0.99	113	0.105	<1	2.07	0.012	0.23	<0.1	0.02	3.9	0.2	<0.05	6	<0.5	<0.2
1058384	Soil	10	46	0.83	96	0.073	<1	1.85	0.013	0.10	<0.1	0.03	2.8	0.1	<0.05	5	<0.5	<0.2
1058383	Soil	12	41	0.75	72	0.052	<1	1.71	0.012	0.09	<0.1	0.04	2.4	<0.1	0.06	5	0.6	<0.2
1058388	Soil	8	66	1.21	168	0.119	<1	2.43	0.008	0.31	<0.1	0.02	3.8	0.2	<0.05	7	<0.5	<0.2
1058381	Soil	12	58	1.03	98	0.088	<1	2.00	0.012	0.17	<0.1	0.03	4.1	0.2	<0.05	6	0.8	<0.2
1058386	Soil	8	53	1.04	110	0.098	<1	2.26	0.012	0.22	<0.1	0.03	3.4	0.2	<0.05	6	<0.5	<0.2
1058380	Soil	11	38	0.65	76	0.082	<1	1.48	0.016	0.10	<0.1	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
1058387	Soil	10	45	0.82	93	0.058	<1	1.87	0.012	0.12	<0.1	0.03	2.7	0.2	<0.05	5	<0.5	<0.2
1058385	Soil	11	42	0.83	59	0.062	<1	1.82	0.010	0.09	<0.1	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
1058389	Soil	11	62	1.14	144	0.118	<1	2.47	0.010	0.31	<0.1	0.02	3.5	0.3	<0.05	6	<0.5	<0.2
1058391	Soil	7	85	1.61	256	0.187	<1	2.91	0.010	0.54	<0.1	<0.01	5.0	0.2	<0.05	8	<0.5	<0.2
1058390	Soil	16	47	0.95	85	0.102	<1	1.86	0.016	0.23	<0.1	0.01	3.1	0.2	<0.05	5	<0.5	<0.2
1057880	Soil	5	19	0.30	35	0.097	<1	0.67	0.013	0.03	<0.1	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
1057869	Soil	16	72	1.17	64	0.058	<1	2.43	0.008	0.05	<0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
1057879	Soil	1.7	75.4	9.7	97	0.3	56.3	20.3	629	4.15	144.0	1.0	14.4	1.1	29	0.2	0.7	0.2	86	0.58
1057878	Soil	1.5	53.3	7.8	72	0.2	53.1	15.4	499	3.22	33.3	0.8	4.1	1.2	24	<0.1	0.5	0.1	62	0.37
1057867	Soil	1.0	62.1	7.4	92	<0.1	56.1	21.2	705	3.50	16.9	0.9	3.4	3.3	26	0.2	0.5	0.1	57	0.33
1057865	Soil	1.5	50.7	8.4	87	0.1	48.1	18.7	628	3.40	26.6	0.9	6.0	2.1	31	0.2	0.6	0.2	52	0.41
1057876	Soil	1.9	50.8	10.9	87	<0.1	79.4	20.8	676	3.63	65.5	0.8	6.5	1.1	25	0.2	0.9	0.2	58	0.29
1057866	Soil	1.3	60.2	9.1	91	0.2	51.9	19.2	592	3.49	17.8	1.0	4.7	3.6	27	0.1	0.6	0.2	56	0.33
1057875	Soil	1.6	71.6	8.9	94	0.1	64.9	18.1	551	4.13	37.4	0.7	4.4	1.9	19	0.1	0.7	0.2	60	0.20
1057873	Soil	1.1	43.7	7.6	89	0.1	50.3	22.5	935	3.77	13.0	0.7	3.4	1.7	25	0.1	0.5	0.2	61	0.29
1057862	Soil	2.2	41.3	10.9	88	<0.1	39.5	14.8	575	3.80	14.0	0.7	4.0	1.0	28	<0.1	1.0	0.2	71	0.31
1057882	Soil	1.8	93.2	4.1	104	0.2	58.2	26.9	1014	5.31	27.9	0.5	4.3	0.9	27	<0.1	0.4	<0.1	103	0.79
1057887	Soil	1.1	70.5	6.1	120	0.1	61.4	31.8	1103	6.16	45.0	0.4	4.9	0.9	27	<0.1	0.3	<0.1	137	0.52
1057874	Soil	2.3	71.8	12.1	97	0.1	73.0	26.2	756	4.35	33.3	0.8	2.9	1.3	20	0.1	0.9	0.2	68	0.19
1057881	Soil	1.8	46.8	6.3	71	0.2	37.4	11.7	350	3.11	13.2	0.8	3.9	0.4	24	0.1	0.7	0.1	65	0.29
1057884	Soil	1.1	100.8	7.6	109	0.1	87.5	26.9	732	4.41	27.4	0.7	5.2	3.0	61	0.1	0.5	0.1	62	0.40
1057871	Soil	1.2	76.3	8.1	104	0.1	73.5	20.4	579	4.16	18.8	0.9	4.1	3.3	25	0.1	0.5	0.2	60	0.32
1057870	Soil	1.0	73.2	7.5	98	<0.1	68.1	21.9	636	3.85	20.7	1.0	3.2	3.5	28	0.2	0.4	0.1	57	0.35
1057883	Soil	2.0	36.6	8.7	78	0.2	35.4	21.8	886	2.75	10.8	0.7	1.8	0.4	42	0.6	0.8	0.1	54	0.65
1057868	Soil	1.1	72.7	9.1	91	<0.1	80.8	23.2	557	3.70	22.5	0.8	3.1	3.1	24	0.1	0.5	0.1	54	0.28
1057872	Soil	1.1	68.5	8.0	92	0.1	63.4	17.0	494	3.87	15.7	1.0	6.0	2.8	23	0.1	0.5	0.2	66	0.28
1057877	Soil	1.8	100.9	10.9	112	0.2	101.1	23.2	631	4.29	46.6	1.2	17.8	3.3	28	0.2	0.8	0.2	58	0.32
1057886	Soil	1.6	78.1	11.1	88	<0.1	89.8	27.5	672	3.99	37.8	0.7	3.5	1.5	34	0.2	0.7	0.2	66	0.21
1057885	Soil	1.0	67.0	5.5	117	<0.1	63.1	30.0	1047	5.80	39.3	0.4	3.2	0.9	26	0.1	0.3	<0.1	131	0.51
1057851	Soil	2.4	57.9	11.2	80	0.4	40.7	23.1	831	3.42	16.5	1.3	2.8	0.8	39	0.2	0.8	0.2	64	0.47
1057855	Soil	1.7	49.1	8.4	85	<0.1	48.2	16.2	467	3.41	12.8	0.7	2.9	1.4	23	0.1	0.7	0.1	65	0.24
1057853	Soil	2.0	82.8	14.3	120	0.2	74.4	27.3	886	4.73	30.4	1.7	3.8	3.0	33	0.2	0.8	0.3	66	0.34
1057852	Soil	1.7	69.8	10.2	108	0.2	72.4	27.4	859	4.13	20.7	1.1	3.0	4.0	25	0.2	0.5	0.2	56	0.28
1057857	Soil	0.9	46.5	6.9	97	<0.1	50.5	14.7	433	3.50	10.4	0.9	1.3	3.4	22	0.1	0.4	0.1	52	0.28
1057859	Soil	1.1	48.9	7.8	89	<0.1	47.2	16.3	554	3.57	11.9	0.8	2.3	2.5	23	0.2	0.5	0.1	54	0.29
1057860	Soil	1.1	50.2	7.4	87	<0.1	54.3	15.0	452	3.54	12.3	0.7	3.9	2.5	22	<0.1	0.5	0.2	56	0.29
1057858	Soil	1.4	38.7	7.6	78	<0.1	41.6	13.7	440	3.35	11.3	0.6	2.4	1.9	21	0.2	0.7	0.1	56	0.25



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1057879	Soil	10	47	0.78	93	0.050	<1	1.79	0.016	0.06	<0.1	0.04	2.4	<0.1	0.08	6	0.9	<0.2
1057878	Soil	12	52	0.78	67	0.041	1	1.57	0.012	0.04	<0.1	0.03	2.0	<0.1	0.06	5	0.7	<0.2
1057867	Soil	14	61	0.99	79	0.065	<1	2.03	0.010	0.06	<0.1	0.02	3.8	<0.1	<0.05	6	0.6	<0.2
1057865	Soil	12	40	0.79	71	0.045	2	1.61	0.012	0.05	<0.1	0.04	2.3	<0.1	<0.05	5	<0.5	<0.2
1057876	Soil	8	61	0.92	79	0.037	2	1.70	0.011	0.05	<0.1	0.04	2.2	<0.1	<0.05	6	<0.5	<0.2
1057866	Soil	15	43	0.86	61	0.064	2	1.88	0.011	0.05	<0.1	0.04	2.6	<0.1	<0.05	5	<0.5	<0.2
1057875	Soil	8	52	1.06	55	0.047	3	2.08	0.008	0.04	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
1057873	Soil	9	62	1.05	95	0.047	2	2.05	0.009	0.04	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1057862	Soil	8	48	0.85	120	0.046	2	1.85	0.011	0.04	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
1057882	Soil	5	71	1.88	287	0.134	2	2.91	0.011	0.33	<0.1	0.04	3.7	0.2	<0.05	8	0.9	<0.2
1057887	Soil	5	88	2.14	152	0.166	3	3.52	0.009	0.32	<0.1	0.02	5.1	0.3	<0.05	10	<0.5	<0.2
1057874	Soil	9	56	1.02	72	0.044	2	2.02	0.008	0.05	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
1057881	Soil	7	39	0.64	64	0.042	1	1.31	0.012	0.04	<0.1	0.06	1.6	<0.1	0.08	5	<0.5	<0.2
1057884	Soil	11	55	1.23	64	0.065	1	2.23	0.009	0.10	<0.1	0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
1057871	Soil	13	67	1.20	57	0.062	1	2.32	0.009	0.05	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
1057870	Soil	14	55	1.04	57	0.060	1	2.01	0.009	0.05	<0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
1057883	Soil	7	34	0.61	135	0.034	2	1.26	0.016	0.05	<0.1	0.06	1.5	<0.1	0.11	4	<0.5	<0.2
1057868	Soil	11	66	0.95	54	0.056	1	1.89	0.008	0.04	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
1057872	Soil	13	77	1.26	61	0.068	1	2.39	0.009	0.07	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
1057877	Soil	14	65	1.15	57	0.038	2	2.05	0.010	0.05	<0.1	0.03	2.9	<0.1	<0.05	6	1.1	<0.2
1057886	Soil	9	62	1.02	84	0.051	2	2.06	0.009	0.04	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
1057885	Soil	4	84	2.07	142	0.157	1	3.38	0.009	0.30	<0.1	0.02	4.9	0.3	<0.05	9	<0.5	<0.2
1057851	Soil	19	45	0.71	133	0.036	2	1.70	0.015	0.05	<0.1	0.06	2.1	0.1	0.11	5	<0.5	<0.2
1057855	Soil	10	44	0.81	79	0.062	2	1.80	0.013	0.04	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
1057853	Soil	25	57	1.10	104	0.038	1	2.58	0.015	0.06	<0.1	0.04	3.4	<0.1	<0.05	7	<0.5	<0.2
1057852	Soil	18	51	0.96	57	0.047	<1	1.97	0.008	0.05	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
1057857	Soil	12	47	0.91	52	0.053	<1	1.94	0.009	0.04	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
1057859	Soil	11	43	0.92	63	0.057	1	1.96	0.009	0.04	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
1057860	Soil	10	48	0.95	60	0.060	1	1.98	0.010	0.04	<0.1	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
1057858	Soil	9	42	0.82	71	0.051	1	1.76	0.009	0.04	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

WHI11000849.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1057856	Soil	1.9	60.7	10.3	97	0.1	61.1	20.4	559	4.01	16.1	0.8	3.4	2.1	27	<0.1	0.8	0.2	60	0.26
1057854	Soil	1.4	100.6	8.5	97	0.1	74.6	26.1	608	3.54	22.6	0.9	2.2	3.2	24	0.2	0.6	0.1	54	0.31
1057861	Soil	1.7	50.2	9.3	84	<0.1	49.4	17.5	486	3.53	14.0	0.7	1.5	1.7	26	0.2	0.8	0.2	66	0.29
1057863	Soil	1.2	45.2	7.0	77	<0.1	48.5	17.4	487	3.17	10.5	0.7	2.0	2.8	26	0.1	0.6	0.1	55	0.32
1057864	Soil	1.6	65.2	11.7	100	0.2	57.4	22.7	734	3.70	23.4	1.2	3.7	3.4	30	0.3	0.8	0.2	58	0.31



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CERTIFICATE OF ANALYSIS

WHI11000849.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1057856	Soil	11	52	0.93	84	0.038	<1	2.02	0.010	0.05	<0.1	0.03	2.4	<0.1	<0.05	6	<0.5	<0.2
1057854	Soil	14	45	0.85	62	0.062	1	1.83	0.011	0.04	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
1057861	Soil	10	46	0.82	93	0.068	2	1.82	0.013	0.03	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
1057863	Soil	11	40	0.77	69	0.077	1	1.68	0.012	0.04	<0.1	0.02	2.5	<0.1	<0.05	5	0.5	<0.2
1057864	Soil	17	46	0.89	74	0.059	1	1.97	0.011	0.05	<0.1	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000849.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1080524	Soil	1.2	46.6	9.2	77	0.1	53.5	16.9	613	3.27	12.8	0.7	2.5	1.4	23	0.2	0.6	0.1	55	0.36	0.062
REP 1080524	QC	1.2	50.2	9.3	78	0.1	54.3	17.0	576	3.28	12.7	0.7	4.6	1.4	23	0.2	0.5	0.1	50	0.33	0.059
1087997	Soil	2.1	47.1	9.2	65	0.3	37.3	10.5	328	2.83	13.4	0.9	3.8	0.6	27	0.1	0.7	0.2	46	0.37	0.097
REP 1087997	QC	2.0	47.5	9.4	65	0.3	37.3	10.6	333	2.82	13.6	1.0	3.6	0.7	27	0.1	0.8	0.2	47	0.38	0.100
1080507	Soil	2.8	45.6	13.2	80	<0.1	40.0	19.1	679	3.54	21.4	0.9	2.6	0.9	22	0.1	0.9	0.2	61	0.24	0.077
REP 1080507	QC	2.8	45.9	13.0	82	0.1	40.0	19.0	686	3.58	21.1	0.9	3.0	1.0	23	0.2	0.9	0.2	63	0.25	0.079
1060222	Soil	0.7	53.3	5.8	91	0.2	54.3	17.4	549	3.69	17.6	0.6	1.9	2.6	24	<0.1	0.2	0.1	53	0.44	0.092
REP 1060222	QC	0.9	55.3	6.0	94	0.2	56.0	17.5	568	3.80	17.9	0.6	2.2	2.6	27	<0.1	0.2	0.1	54	0.45	0.088
1060202	Soil	1.6	48.4	9.8	98	0.3	58.0	19.7	546	3.65	19.8	0.8	3.2	1.3	27	0.3	0.8	0.3	62	0.26	0.059
REP 1060202	QC	1.5	49.7	10.1	99	0.3	59.2	19.7	550	3.69	19.7	0.8	2.3	1.3	27	0.3	0.8	0.2	62	0.25	0.059
1060212	Soil	1.2	80.8	7.3	107	0.2	77.8	22.7	634	4.04	21.1	1.0	2.5	2.4	33	0.2	0.2	0.2	51	0.33	0.086
REP 1060212	QC	1.1	83.7	7.4	106	0.2	80.0	23.6	622	4.16	22.2	1.0	2.8	2.3	33	<0.1	0.3	0.2	53	0.35	0.086
1084343	Soil	1.7	41.2	9.6	88	<0.1	38.4	15.0	531	3.50	13.5	0.9	4.5	1.6	21	0.1	0.8	0.2	65	0.19	0.085
REP 1084343	QC	1.7	42.2	10.4	88	<0.1	38.6	15.7	536	3.57	13.9	0.9	59.4	1.5	21	0.1	0.7	0.2	66	0.19	0.083
1080735	Soil	1.2	41.1	5.9	83	<0.1	46.1	18.7	499	3.84	11.8	0.6	2.3	2.1	22	0.1	0.4	<0.1	108	0.25	0.043
REP 1080735	QC	1.4	40.5	6.1	82	<0.1	42.8	18.0	463	3.64	12.3	0.6	3.2	2.0	22	<0.1	0.4	<0.1	103	0.26	0.040
1058400	Soil	0.8	66.4	4.3	87	<0.1	50.5	21.0	507	3.81	10.7	0.7	4.2	3.2	37	0.1	0.4	0.1	94	0.36	0.083
REP 1058400	QC	0.8	64.9	4.4	86	<0.1	50.7	21.0	515	3.78	10.7	0.7	3.3	3.2	36	0.2	0.4	0.1	95	0.35	0.082
1058384	Soil	1.1	45.3	7.4	71	0.1	39.9	16.8	457	3.02	9.5	0.8	3.5	1.7	29	0.1	0.5	0.2	64	0.31	0.065
REP 1058384	QC	1.2	46.0	7.6	70	0.1	40.0	17.3	459	3.17	9.6	0.8	6.4	1.7	29	0.1	0.5	0.2	67	0.32	0.063
1057874	Soil	2.3	71.8	12.1	97	0.1	73.0	26.2	756	4.35	33.3	0.8	2.9	1.3	20	0.1	0.9	0.2	68	0.19	0.078
REP 1057874	QC	2.2	69.4	12.2	98	0.1	67.7	26.4	776	4.30	33.1	0.8	7.7	1.3	21	<0.1	1.0	0.2	70	0.19	0.082
1057857	Soil	0.9	46.5	6.9	97	<0.1	50.5	14.7	433	3.50	10.4	0.9	1.3	3.4	22	0.1	0.4	0.1	52	0.28	0.092
REP 1057857	QC	0.9	45.7	6.8	95	<0.1	47.8	14.0	420	3.35	10.2	0.8	1.9	3.4	21	0.2	0.3	0.1	51	0.28	0.086
Reference Materials																					
STD DS8	Standard	12.4	108.3	129.0	306	1.7	38.5	7.0	610	2.40	26.3	2.6	118.3	6.4	67	2.3	5.5	6.2	42	0.67	0.077
STD DS8	Standard	11.6	96.8	115.6	285	1.8	33.3	6.9	559	2.26	24.2	2.5	107.4	6.1	58	2.0	5.1	6.0	38	0.60	0.074
STD DS8	Standard	12.7	106.7	122.1	308	1.6	37.9	7.4	609	2.42	25.8	2.7	120.0	6.6	62	2.1	5.0	6.2	41	0.67	0.077



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Part 2

QUALITY CONTROL REPORT

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Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1080524	Soil	7	55	0.90	82	0.039	<1	1.72	0.009	0.05	<0.1	0.03	2.1	<0.1	<0.05	5	0.8	<0.2
REP 1080524	QC	7	50	0.94	82	0.036	1	1.69	0.009	0.05	<0.1	0.03	1.9	<0.1	<0.05	5	0.7	<0.2
1087997	Soil	12	39	0.63	85	0.020	1	1.33	0.010	0.04	<0.1	0.04	1.6	<0.1	0.11	5	0.9	<0.2
REP 1087997	QC	12	38	0.66	89	0.019	<1	1.41	0.010	0.04	<0.1	0.05	1.6	<0.1	0.11	4	0.6	<0.2
1080507	Soil	8	46	0.76	100	0.022	<1	1.71	0.007	0.04	0.1	0.04	2.3	<0.1	<0.05	6	<0.5	<0.2
REP 1080507	QC	9	47	0.77	102	0.023	<1	1.72	0.007	0.04	<0.1	0.03	2.5	0.1	<0.05	6	0.7	<0.2
1060222	Soil	7	60	1.34	90	0.053	1	2.16	0.006	0.14	<0.1	0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
REP 1060222	QC	8	63	1.36	92	0.055	<1	2.19	0.007	0.15	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1060202	Soil	9	51	0.88	82	0.044	<1	1.93	0.008	0.06	<0.1	0.06	2.2	<0.1	0.06	6	<0.5	<0.2
REP 1060202	QC	9	52	0.89	83	0.044	<1	1.94	0.008	0.06	<0.1	0.05	2.1	<0.1	0.05	6	<0.5	<0.2
1060212	Soil	9	52	1.15	73	0.032	<1	2.14	0.006	0.07	<0.1	0.03	2.5	<0.1	<0.05	6	0.6	<0.2
REP 1060212	QC	9	55	1.19	76	0.033	<1	2.17	0.006	0.07	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
1084343	Soil	10	47	0.84	72	0.048	<1	1.98	0.013	0.07	<0.1	0.02	2.3	<0.1	0.10	6	<0.5	<0.2
REP 1084343	QC	10	48	0.86	69	0.049	2	1.90	0.011	0.07	<0.1	0.03	2.2	<0.1	0.10	6	<0.5	<0.2
1080735	Soil	7	72	1.19	168	0.174	<1	2.63	0.014	0.27	<0.1	0.01	4.6	0.1	<0.05	8	<0.5	<0.2
REP 1080735	QC	7	67	1.14	160	0.169	<1	2.46	0.012	0.26	<0.1	<0.01	4.2	0.2	<0.05	7	0.5	<0.2
1058400	Soil	11	57	1.08	245	0.159	<1	2.03	0.017	0.48	<0.1	0.02	4.4	0.2	<0.05	7	<0.5	<0.2
REP 1058400	QC	10	56	1.09	243	0.148	<1	2.08	0.013	0.48	<0.1	0.02	4.4	0.2	<0.05	7	<0.5	<0.2
1058384	Soil	10	46	0.83	96	0.073	<1	1.85	0.013	0.10	<0.1	0.03	2.8	0.1	<0.05	5	<0.5	<0.2
REP 1058384	QC	10	48	0.83	97	0.072	<1	1.78	0.013	0.09	<0.1	0.03	2.8	0.1	<0.05	5	<0.5	<0.2
1057874	Soil	9	56	1.02	72	0.044	2	2.02	0.008	0.05	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
REP 1057874	QC	9	57	1.03	74	0.042	2	2.06	0.010	0.05	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
1057857	Soil	12	47	0.91	52	0.053	<1	1.94	0.009	0.04	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
REP 1057857	QC	12	47	0.89	52	0.051	<1	1.86	0.010	0.04	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	121	0.61	276	0.104	3	0.94	0.107	0.43	2.8	0.19	2.4	5.5	0.08	5	5.0	4.9
STD DS8	Standard	13	107	0.56	250	0.102	<1	0.82	0.084	0.38	2.7	0.19	1.9	4.9	0.15	4	4.5	4.6
STD DS8	Standard	14	117	0.60	263	0.106	2	0.90	0.085	0.41	2.8	0.20	2.2	5.4	0.16	5	5.7	5.3



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Part 1

QUALITY CONTROL REPORT

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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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS8	Standard	13.5	107.8	125.1	299	1.6	37.2	7.7	608	2.41	25.4	2.8	119.2	7.1	72	2.5	5.7	6.3	43	0.67	0.079
STD DS8	Standard	12.6	100.4	118.8	280	1.6	34.7	7.0	568	2.26	24.0	2.8	124.3	6.8	66	2.3	5.4	6.4	39	0.60	0.074
STD DS8	Standard	13.3	104.7	116.6	289	1.7	36.1	7.4	581	2.28	24.1	2.8	102.8	7.0	65	2.3	5.2	6.5	41	0.65	0.076
STD DS8	Standard	14.2	119.1	131.4	329	1.9	42.1	8.1	645	2.58	28.0	3.1	111.7	7.5	74	2.4	6.4	7.2	45	0.72	0.086
STD DS8	Standard	13.9	115.2	135.8	322	1.8	39.8	8.2	623	2.46	26.0	2.9	109.4	7.0	69	2.2	5.8	6.5	44	0.71	0.085
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Report Date:

August 11, 2011

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Part 2

QUALITY CONTROL REPORT

WHI11000849.1

		1DX15 La ppm 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 Ti ppm 0.1	1DX15 S % 0.05	1DX15 Ga ppm 1	1DX15 Se ppm 0.5	1DX15 Te ppm 0.2
STD DS8	Standard	16	116	0.60	292	0.126	3	0.90	0.103	0.41	3.0	0.18	2.7	5.0	0.20	5	5.0	4.5
STD DS8	Standard	12	103	0.55	266	0.110	2	0.82	0.086	0.39	2.9	0.18	2.4	5.0	0.18	4	4.9	4.6
STD DS8	Standard	16	110	0.59	275	0.116	2	0.93	0.088	0.42	2.9	0.18	2.1	5.0	0.13	4	5.1	4.8
STD DS8	Standard	16	125	0.65	293	0.139	4	0.97	0.100	0.43	3.2	0.20	2.3	5.7	0.14	5	5.2	5.1
STD DS8	Standard	14	121	0.64	284	0.118	2	0.94	0.095	0.43	3.0	0.23	2.3	5.4	0.15	5	5.3	5.3
STD DS8 Expected		14.6	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	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Mike Skead
Receiving Lab: Canada-Whitehorse
Received: July 15, 2011
Report Date: August 13, 2011
Page: 1 of 7

CERTIFICATE OF ANALYSIS

WHI11000850.1

CLIENT JOB INFORMATION

Project: GAR
Shipment ID:
P.O. Number
Number of Samples: 180

SAMPLE DISPOSAL

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

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

Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	180	Dry at 60C			VAN
SS80	180	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	180	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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Part 1

CERTIFICATE OF ANALYSIS

WHI11000850.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1060019	Soil	1.8	77.6	8.5	113	0.2	75.2	28.2	653	4.31	12.7	1.2	4.0	3.0	29	0.2	0.7	0.2	88	0.31	0.104
1060020	Soil	1.8	124.5	8.1	130	0.1	110.5	35.9	605	4.28	12.7	1.3	10.5	3.5	30	0.2	0.7	0.2	84	0.33	0.119
1060023	Soil	1.7	86.6	6.9	110	0.1	72.1	23.6	532	4.10	11.9	1.1	2.6	3.4	27	0.2	0.6	0.2	89	0.29	0.115
1060022	Soil	2.1	103.4	8.2	129	0.2	99.2	29.4	629	4.64	18.3	1.5	51.7	3.9	32	0.2	0.6	0.2	93	0.30	0.116
1060025	Soil	1.3	75.7	6.5	113	0.1	62.0	22.4	556	4.41	10.8	1.1	3.1	3.3	27	0.1	0.5	0.2	100	0.28	0.111
1060026	Soil	1.4	85.3	7.6	116	0.1	71.0	24.6	561	4.50	15.7	1.3	2.6	3.7	26	0.1	0.5	0.2	92	0.31	0.136
1060024	Soil	1.4	79.0	6.0	108	0.1	70.7	23.8	502	4.18	11.4	0.9	1.8	3.3	25	0.1	0.5	0.2	100	0.30	0.113
1060021	Soil	1.9	87.2	7.6	117	0.2	81.2	26.2	584	4.23	13.8	1.3	3.7	3.3	31	0.3	0.7	0.2	82	0.36	0.122
1060027	Soil	1.3	67.2	5.8	105	0.2	60.0	20.7	552	4.33	11.1	1.1	2.8	3.4	24	0.2	0.4	0.2	101	0.26	0.097
1060028	Soil	1.3	76.4	7.4	107	0.2	66.3	21.9	594	4.32	20.1	1.2	7.3	2.9	23	0.2	0.6	0.2	94	0.25	0.111
1060029	Soil	0.9	107.6	4.6	129	<0.1	79.8	29.5	613	5.51	16.9	0.7	5.2	2.9	25	0.1	0.3	0.1	142	0.34	0.120
1060030	Soil	1.9	99.5	11.8	144	0.4	89.1	37.4	983	5.95	30.4	1.3	11.6	2.5	36	0.3	0.8	0.2	151	0.45	0.123
1060032	Soil	1.5	69.3	7.2	108	0.2	81.2	26.7	557	4.22	11.9	1.1	2.3	2.3	31	0.2	0.5	0.2	97	0.34	0.100
1060036	Soil	1.2	67.7	4.7	108	0.2	66.8	23.4	567	4.47	16.6	0.9	2.4	3.0	32	0.1	0.3	0.1	111	0.47	0.102
1060035	Soil	1.8	67.9	7.3	97	0.2	59.9	20.7	563	4.12	18.2	1.2	3.0	1.9	23	0.1	0.7	0.2	96	0.24	0.100
1060033	Soil	1.4	83.0	7.4	109	0.2	66.1	21.6	566	4.47	24.6	1.1	4.2	2.7	26	0.1	0.5	0.2	95	0.25	0.085
1060034	Soil	1.4	71.3	9.6	123	0.2	69.7	20.0	644	4.93	46.9	1.4	9.0	3.8	27	0.2	1.6	0.2	76	0.30	0.102
1060031	Soil	1.7	90.8	7.8	126	0.3	80.3	28.9	666	5.02	13.8	1.6	4.3	4.2	33	0.2	0.5	0.2	106	0.31	0.110
1060037	Soil	1.5	80.3	7.9	115	0.2	74.9	23.7	797	4.46	21.7	1.6	16.8	3.5	23	0.2	0.8	0.3	82	0.23	0.094
1060038	Soil	1.7	93.9	7.1	109	0.2	84.5	25.1	586	4.27	12.7	1.5	5.4	2.6	29	0.1	0.5	0.2	89	0.28	0.108
1060039	Soil	1.4	89.7	6.6	114	0.2	84.0	25.0	575	4.32	11.7	1.4	3.5	3.9	29	0.2	0.4	0.2	87	0.28	0.107
1060040	Soil	1.5	88.9	6.1	111	0.2	81.8	24.9	652	4.36	10.8	1.5	3.0	4.2	28	0.2	0.4	0.2	90	0.26	0.091
1060042	Soil	1.1	85.8	6.0	107	0.2	82.4	23.7	562	4.27	10.0	1.3	15.2	4.0	30	0.1	0.4	0.2	97	0.22	0.063
1060041	Soil	2.0	62.4	9.1	99	0.2	65.0	16.9	521	4.07	11.5	1.3	2.3	1.6	31	0.1	0.6	0.2	86	0.32	0.128
1060049	Soil	1.3	66.5	6.5	88	0.2	53.3	19.2	579	3.53	10.4	1.1	3.7	3.2	30	0.2	0.6	0.2	71	0.31	0.098
1060047	Soil	1.1	82.8	6.4	107	0.2	89.0	23.6	625	3.85	12.0	1.4	11.3	4.5	30	0.3	0.5	0.2	75	0.34	0.120
1060045	Soil	1.2	75.4	7.6	112	0.1	86.3	27.6	655	4.05	9.1	1.5	5.4	4.6	40	0.2	0.7	0.2	73	0.32	0.114
1060048	Soil	1.4	69.1	8.7	114	0.2	75.9	22.6	710	4.22	12.9	1.2	3.9	3.8	37	0.2	0.7	0.2	84	0.41	0.118
1060043	Soil	1.7	78.7	7.0	125	0.2	87.6	26.7	637	4.68	11.0	1.3	4.4	4.2	37	0.2	0.5	0.2	100	0.28	0.108
1060044	Soil	1.4	84.5	6.6	113	0.2	74.0	24.5	563	4.28	9.9	1.4	2.7	4.2	34	0.2	0.5	0.2	87	0.30	0.115



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Part 2

CERTIFICATE OF ANALYSIS

WHI11000850.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1060019	Soil	14	67	1.08	101	0.087	2	2.17	0.014	0.17	<0.1	0.04	4.3	0.2	0.07	6	0.7
1060020	Soil	18	63	1.03	88	0.097	2	2.15	0.018	0.17	<0.1	0.04	4.0	0.2	0.10	6	<0.5
1060023	Soil	15	65	1.07	92	0.104	1	2.16	0.014	0.17	<0.1	0.02	4.1	0.2	0.06	6	0.9
1060022	Soil	19	74	1.23	101	0.096	1	2.52	0.017	0.19	<0.1	0.04	5.0	0.2	0.08	7	0.7
1060025	Soil	13	74	1.23	108	0.113	1	2.50	0.014	0.19	<0.1	0.02	5.2	0.3	0.06	7	<0.5
1060026	Soil	16	69	1.19	98	0.091	1	2.54	0.011	0.18	<0.1	0.02	4.9	0.2	<0.05	7	0.5
1060024	Soil	12	76	1.21	116	0.131	<1	2.39	0.013	0.25	<0.1	0.02	5.3	0.2	<0.05	7	0.6
1060021	Soil	16	63	1.10	93	0.083	2	2.27	0.016	0.15	<0.1	0.04	4.1	0.2	0.07	7	0.7
1060027	Soil	11	79	1.25	108	0.122	1	2.48	0.011	0.25	<0.1	0.02	5.1	0.2	<0.05	7	0.8
1060028	Soil	13	73	1.16	108	0.098	1	2.44	0.012	0.20	<0.1	0.02	4.8	0.2	<0.05	7	0.5
1060029	Soil	10	109	1.73	204	0.209	<1	3.20	0.012	0.81	<0.1	0.01	7.4	0.4	<0.05	10	0.9
1060030	Soil	12	115	1.65	193	0.126	1	3.36	0.014	0.27	<0.1	0.04	7.5	0.2	0.07	10	1.2
1060032	Soil	10	83	1.26	106	0.103	<1	2.50	0.022	0.24	<0.1	0.04	4.4	0.2	0.09	8	0.7
1060036	Soil	11	90	1.45	137	0.167	<1	2.64	0.015	0.35	<0.1	0.02	5.1	0.2	0.06	9	0.7
1060035	Soil	11	73	1.14	98	0.099	2	2.45	0.013	0.19	<0.1	0.03	4.1	0.2	0.08	7	<0.5
1060033	Soil	14	74	1.20	111	0.102	1	2.44	0.013	0.25	<0.1	0.03	4.8	0.2	0.07	7	0.8
1060034	Soil	16	62	1.02	84	0.061	<1	2.13	0.012	0.17	<0.1	0.02	6.0	0.1	<0.05	6	<0.5
1060031	Soil	18	84	1.36	125	0.121	<1	2.77	0.013	0.27	<0.1	0.03	5.5	0.3	<0.05	8	0.5
1060037	Soil	14	68	1.16	80	0.069	<1	2.44	0.011	0.18	<0.1	0.03	4.2	0.2	<0.05	7	0.6
1060038	Soil	16	72	1.14	95	0.077	1	2.37	0.014	0.16	<0.1	0.04	4.3	0.2	0.08	7	<0.5
1060039	Soil	16	74	1.21	98	0.085	<1	2.45	0.016	0.18	<0.1	0.03	4.6	0.3	<0.05	7	0.5
1060040	Soil	15	79	1.26	111	0.102	<1	2.47	0.013	0.21	<0.1	0.03	5.0	0.3	<0.05	7	<0.5
1060042	Soil	14	79	1.18	110	0.127	2	2.36	0.016	0.28	<0.1	0.03	5.7	0.3	<0.05	7	<0.5
1060041	Soil	10	67	1.00	83	0.058	1	2.12	0.012	0.14	<0.1	0.05	3.5	0.2	0.09	7	0.6
1060049	Soil	13	54	0.89	88	0.078	<1	1.91	0.012	0.11	<0.1	0.03	3.5	0.2	<0.05	5	0.6
1060047	Soil	14	61	1.00	86	0.089	1	2.05	0.015	0.16	<0.1	0.02	4.3	0.2	<0.05	5	0.6
1060045	Soil	15	65	1.07	69	0.078	<1	2.16	0.010	0.22	<0.1	0.02	4.4	0.2	<0.05	6	<0.5
1060048	Soil	13	76	1.18	102	0.078	1	2.39	0.011	0.20	<0.1	0.04	4.7	0.2	<0.05	7	<0.5
1060043	Soil	15	79	1.29	109	0.115	<1	2.58	0.014	0.28	<0.1	0.04	5.4	0.3	<0.05	7	<0.5
1060044	Soil	15	71	1.16	100	0.103	<1	2.35	0.014	0.22	<0.1	0.03	4.8	0.2	<0.05	7	<0.5



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1060046	Soil	1.4	79.9	6.4	118	0.2	95.7	29.3	626	4.21	11.2	1.5	6.3	4.9	35	0.2	0.4	0.2	80	0.36	0.128
1087991	Soil	1.3	90.7	5.6	99	0.1	83.9	23.2	538	3.94	28.4	1.2	22.4	3.6	28	0.1	0.4	0.2	91	0.32	0.117
1087992	Soil	1.1	61.0	5.9	90	0.1	63.7	17.9	462	3.65	13.6	1.2	10.5	3.6	25	<0.1	0.5	0.2	88	0.30	0.106
1060050	Soil	1.3	91.2	6.1	102	0.1	79.3	22.3	526	3.87	27.6	1.2	5.1	3.5	27	0.2	0.5	0.2	93	0.32	0.116
1056139	Soil	1.1	58.3	6.6	104	<0.1	51.3	18.1	518	4.06	15.1	1.1	4.0	4.3	27	0.1	0.3	0.2	79	0.28	0.104
1056137	Soil	1.3	55.9	6.4	84	0.1	65.6	21.8	599	3.62	21.9	0.8	5.4	2.1	28	0.1	0.5	0.2	80	0.35	0.084
1056138	Soil	1.2	55.1	6.2	93	0.1	48.6	16.2	450	3.61	15.8	1.0	3.2	3.5	24	0.1	0.3	0.2	70	0.27	0.097
1056140	Soil	1.6	113.3	8.9	116	0.7	70.9	25.1	567	4.69	37.3	2.0	4.9	3.5	40	0.2	0.5	0.3	80	0.33	0.128
1056141	Soil	1.1	94.7	6.4	100	0.2	70.1	21.8	417	3.63	23.5	1.2	49.1	4.2	22	0.2	0.3	0.2	69	0.21	0.087
1056142	Soil	1.3	85.4	8.8	109	0.2	70.7	22.0	476	4.21	32.3	1.4	7.8	3.6	30	0.2	0.4	0.2	85	0.26	0.115
1056143	Soil	1.2	79.1	6.1	106	0.2	65.9	22.1	524	3.93	21.7	1.1	5.9	4.3	23	0.1	0.4	0.2	80	0.23	0.080
1056144	Soil	1.4	67.3	7.9	102	0.2	58.2	20.5	533	3.81	16.9	1.0	3.9	3.5	21	0.2	0.4	0.2	74	0.24	0.082
1056145	Soil	1.2	49.0	6.6	93	0.2	40.1	15.1	461	3.92	16.7	1.1	2.7	3.3	23	0.2	0.4	0.2	89	0.23	0.081
1056146	Soil	1.0	54.7	5.7	87	0.1	38.3	14.8	447	3.60	17.1	0.9	4.0	3.4	24	0.1	0.3	0.2	79	0.21	0.077
1056147	Soil	1.0	58.9	5.3	78	0.1	37.8	14.3	382	3.18	13.4	0.9	3.8	3.0	23	0.2	0.4	0.1	69	0.23	0.089
1056148	Soil	1.3	95.8	6.7	105	0.2	56.4	23.3	455	3.96	11.5	1.2	7.0	3.8	24	0.2	0.4	0.2	81	0.26	0.098
1056149	Soil	1.5	68.8	8.8	99	0.2	42.9	15.3	435	3.82	19.0	1.4	3.0	2.1	30	0.2	0.5	0.3	75	0.28	0.112
1056150	Soil	1.2	57.7	6.1	93	0.2	42.1	16.5	458	3.83	11.9	1.0	3.1	3.1	25	0.2	0.4	0.2	87	0.26	0.093
1007336	Soil	1.2	48.3	6.6	85	0.1	41.2	15.0	468	3.51	14.0	0.9	3.3	1.8	22	<0.1	0.5	0.2	82	0.26	0.090
1007338	Soil	1.3	62.0	7.2	103	0.2	52.6	16.7	471	3.63	111.9	1.1	19.9	2.5	23	0.2	0.6	0.2	75	0.25	0.108
1084172	Soil	1.4	39.1	8.2	61	<0.1	38.9	13.5	377	3.21	32.3	0.5	5.3	0.9	19	<0.1	0.6	0.2	77	0.19	0.056
1084174	Soil	1.0	59.8	5.0	61	0.1	55.6	17.5	394	3.38	10.7	0.6	11.6	1.6	22	<0.1	0.4	0.2	77	0.29	0.107
1084171	Soil	1.0	44.4	6.3	76	<0.1	45.0	15.4	329	3.38	8.6	0.6	4.0	1.7	22	0.1	0.4	0.2	90	0.27	0.047
1084173	Soil	1.3	88.2	6.2	66	0.3	67.6	25.8	464	3.70	27.2	0.6	12.8	1.4	25	0.2	0.4	0.2	82	0.27	0.094
1007337	Soil	1.4	47.9	5.8	79	0.2	39.2	14.0	436	3.12	10.5	1.1	3.7	1.7	27	0.1	0.4	0.2	61	0.32	0.129
1007339	Soil	1.5	62.6	8.1	90	0.3	52.3	17.5	574	3.84	100.0	1.3	9.4	2.1	26	0.2	0.6	0.2	76	0.30	0.103
1007340	Soil	1.3	57.4	7.1	97	0.3	69.9	21.1	620	4.22	65.0	1.0	8.4	2.0	21	<0.1	0.5	0.2	109	0.26	0.095
1007341	Soil	1.6	46.8	6.2	84	0.2	37.4	15.7	468	3.42	13.4	1.1	3.9	1.9	36	0.2	0.5	0.2	69	0.42	0.114
1007342	Soil	1.1	65.3	6.0	95	0.1	64.0	22.5	524	3.94	14.8	0.7	2.5	2.7	19	0.2	0.3	0.2	104	0.24	0.078
1007344	Soil	1.2	55.8	5.8	87	0.1	46.4	16.8	457	3.54	12.3	0.8	6.5	1.7	24	0.2	0.4	0.2	94	0.27	0.093



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1060046	Soil	17	68	1.13	73	0.094	<1	2.19	0.013	0.22	<0.1	0.03	4.4	0.2	<0.05	6	<0.5
1087991	Soil	13	92	1.20	111	0.126	<1	2.22	0.014	0.32	<0.1	0.02	5.8	0.2	<0.05	6	<0.5
1087992	Soil	13	85	1.15	107	0.123	<1	2.23	0.013	0.23	<0.1	0.02	5.3	0.2	<0.05	6	<0.5
1060050	Soil	13	92	1.21	116	0.124	<1	2.24	0.014	0.31	<0.1	0.02	5.7	0.3	<0.05	6	<0.5
1056139	Soil	13	60	1.15	109	0.093	<1	2.43	0.012	0.19	<0.1	0.02	4.1	0.2	<0.05	7	0.5
1056137	Soil	10	117	1.27	106	0.085	1	2.11	0.014	0.17	<0.1	0.03	4.2	0.2	<0.05	6	<0.5
1056138	Soil	11	53	0.93	101	0.069	1	1.96	0.011	0.18	<0.1	0.03	3.3	0.2	<0.05	6	0.9
1056140	Soil	25	63	1.04	105	0.045	1	2.53	0.012	0.22	<0.1	0.07	3.6	0.2	0.07	7	1.3
1056141	Soil	23	52	0.90	69	0.070	<1	1.92	0.010	0.19	<0.1	0.02	4.0	0.2	<0.05	6	<0.5
1056142	Soil	20	61	1.02	96	0.071	<1	2.40	0.009	0.23	<0.1	0.03	4.6	0.2	<0.05	7	0.5
1056143	Soil	17	60	0.95	92	0.088	<1	2.02	0.011	0.23	<0.1	0.02	4.4	0.2	<0.05	6	<0.5
1056144	Soil	15	56	0.92	96	0.069	<1	2.01	0.009	0.19	<0.1	0.02	3.8	0.2	<0.05	6	0.7
1056145	Soil	14	64	1.04	139	0.095	1	2.24	0.010	0.25	<0.1	0.03	4.5	0.2	<0.05	7	0.6
1056146	Soil	14	57	0.91	108	0.095	<1	1.90	0.012	0.27	<0.1	0.02	4.0	0.3	<0.05	6	<0.5
1056147	Soil	12	49	0.86	103	0.077	<1	1.80	0.012	0.22	<0.1	0.03	3.6	0.2	<0.05	6	0.5
1056148	Soil	15	60	1.00	121	0.092	<1	2.23	0.009	0.25	<0.1	0.02	4.7	0.3	<0.05	6	<0.5
1056149	Soil	18	54	0.89	113	0.055	<1	2.04	0.014	0.15	<0.1	0.03	3.5	0.2	0.06	6	0.6
1056150	Soil	13	57	0.99	143	0.096	<1	2.08	0.010	0.30	<0.1	0.03	4.4	0.3	<0.05	7	<0.5
1007336	Soil	10	66	0.96	121	0.079	<1	2.04	0.009	0.21	<0.1	0.02	3.8	0.2	<0.05	6	<0.5
1007338	Soil	12	59	0.96	86	0.065	<1	1.98	0.009	0.18	0.1	0.04	3.9	0.2	<0.05	6	<0.5
1084172	Soil	5	44	0.70	80	0.075	<1	1.43	0.008	0.13	<0.1	0.04	2.9	0.1	<0.05	6	<0.5
1084174	Soil	6	56	0.93	92	0.089	<1	1.78	0.011	0.29	<0.1	0.02	4.3	0.2	<0.05	5	<0.5
1084171	Soil	8	59	0.97	126	0.095	<1	2.00	0.010	0.21	<0.1	0.03	4.8	0.2	<0.05	7	<0.5
1084173	Soil	6	57	0.96	99	0.088	<1	1.90	0.013	0.26	<0.1	0.05	4.2	0.2	<0.05	6	<0.5
1007337	Soil	11	44	0.78	84	0.046	<1	1.61	0.010	0.15	<0.1	0.05	2.6	0.2	0.06	5	<0.5
1007339	Soil	14	63	0.99	104	0.059	<1	2.02	0.010	0.18	<0.1	0.05	3.9	0.2	0.05	6	0.5
1007340	Soil	11	111	1.31	175	0.102	<1	2.46	0.008	0.40	<0.1	0.04	5.9	0.3	<0.05	8	<0.5
1007341	Soil	17	50	0.85	107	0.051	<1	1.68	0.012	0.17	<0.1	0.05	3.0	0.2	0.08	6	<0.5
1007342	Soil	10	78	1.15	141	0.113	<1	2.31	0.009	0.34	<0.1	0.03	5.7	0.3	<0.05	7	<0.5
1007344	Soil	10	77	1.06	174	0.097	<1	2.13	0.011	0.33	<0.1	0.03	4.6	0.2	<0.05	7	<0.5



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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1007343	Soil	1.4	53.2	7.0	84	0.2	39.7	17.0	504	3.53	12.2	1.0	5.4	1.7	30	0.2	0.5	0.2	84	0.35	0.100
1007345	Soil	1.0	59.4	6.1	99	0.2	54.5	20.3	453	3.96	26.4	0.7	5.4	1.7	24	<0.1	0.4	0.1	109	0.29	0.087
1007346	Soil	1.6	63.3	7.6	88	0.2	45.1	19.8	540	3.84	12.8	0.9	3.2	1.0	30	0.1	0.6	0.2	96	0.30	0.097
1007347	Soil	1.0	49.7	5.3	76	0.2	40.3	14.1	380	3.18	10.6	0.7	6.5	2.0	19	0.1	0.5	0.1	81	0.22	0.070
1007348	Soil	1.2	53.0	5.8	87	0.1	50.3	15.8	370	3.45	24.4	0.8	4.8	1.8	19	0.2	0.6	0.2	88	0.24	0.079
1007349	Soil	0.6	90.5	3.9	120	0.2	86.2	29.6	354	4.87	13.7	0.6	5.8	2.1	37	0.1	0.1	0.1	145	0.44	0.130
1007350	Soil	1.1	50.0	5.5	88	<0.1	41.0	15.9	401	3.97	6.9	0.7	3.0	2.0	26	0.1	0.4	0.2	112	0.28	0.073
1060014	Soil	0.7	40.6	5.1	64	0.1	45.9	15.9	313	2.63	14.2	0.6	36.5	1.9	17	0.1	0.4	<0.1	47	0.17	0.033
1060015	Soil	1.3	49.8	7.1	78	0.1	56.4	19.6	405	3.03	15.3	0.8	6.8	1.2	23	0.1	0.6	0.1	52	0.24	0.051
1060016	Soil	1.3	47.3	7.5	78	<0.1	50.3	17.4	431	3.04	15.7	0.8	6.1	1.0	25	<0.1	0.6	0.2	53	0.27	0.061
1060018	Soil	1.0	58.0	7.2	99	0.2	57.0	19.4	625	3.76	35.0	1.0	9.3	3.0	22	0.2	0.5	0.2	64	0.23	0.059
1060017	Soil	1.5	51.7	8.0	86	0.1	48.2	17.9	505	3.54	17.0	0.9	6.1	1.3	28	0.1	0.6	0.2	62	0.24	0.075
1060012	Soil	1.5	44.1	8.2	70	<0.1	45.9	17.7	477	3.05	15.5	0.7	5.0	1.4	21	0.2	0.8	0.2	58	0.25	0.060
1060013	Soil	1.9	46.1	8.5	74	0.2	41.6	17.4	468	3.15	15.3	0.9	5.7	0.8	24	0.2	0.7	0.2	66	0.26	0.094
1060011	Soil	2.0	53.2	8.4	85	0.1	47.3	18.5	535	3.67	38.7	0.9	18.2	1.7	25	0.2	0.6	0.2	69	0.26	0.069
1060010	Soil	1.5	54.4	6.3	92	<0.1	46.4	17.8	473	4.09	7.9	1.0	7.8	3.5	21	0.1	0.5	0.2	93	0.18	0.046
1080617	Soil	1.0	50.9	6.9	75	<0.1	42.8	18.2	534	3.28	15.5	0.5	2.0	1.8	20	0.1	0.5	0.1	58	0.23	0.033
1080619	Soil	2.4	35.6	9.9	81	0.1	36.3	17.7	578	3.39	14.4	0.7	3.7	0.7	26	0.1	0.7	0.2	67	0.36	0.068
1080634	Soil	1.8	48.2	10.1	85	0.2	46.4	20.8	606	3.37	17.6	0.9	3.1	0.8	35	0.3	0.7	0.2	58	0.48	0.092
1080614	Soil	1.4	70.2	9.0	84	0.2	69.2	23.7	562	3.68	16.0	0.7	2.7	1.0	18	0.1	0.6	0.1	60	0.23	0.044
1080613	Soil	1.1	91.8	2.9	100	0.1	127.6	35.1	1316	5.59	20.5	0.1	1.7	0.4	21	<0.1	<0.1	<0.1	99	0.59	0.132
1080616	Soil	1.6	46.3	10.6	74	<0.1	54.5	21.3	686	3.46	23.8	0.6	3.5	1.3	24	0.2	0.5	0.1	52	0.32	0.061
1080633	Soil	2.3	42.9	9.8	71	0.1	33.3	15.0	525	3.08	19.0	0.8	4.0	0.5	37	0.2	0.8	0.1	55	0.55	0.096
1080618	Soil	0.8	49.7	9.5	84	<0.1	39.8	16.7	714	3.45	32.8	0.7	2.2	2.4	20	0.1	0.3	0.2	31	0.21	0.064
1080615	Soil	2.7	37.7	11.6	74	0.1	34.3	14.5	514	3.41	14.9	0.8	1.9	0.6	26	0.2	0.9	0.2	68	0.30	0.085
1080632	Soil	1.3	60.6	9.2	69	0.2	49.2	26.4	902	3.56	99.9	0.5	5.7	1.3	33	0.3	0.6	0.1	58	0.50	0.038
1080635	Soil	1.2	44.2	13.3	68	<0.1	52.7	19.2	716	3.29	24.6	0.6	2.5	1.7	22	0.2	0.6	0.2	58	0.27	0.037
1080620	Soil	2.0	37.5	10.2	66	<0.1	39.2	14.8	429	3.16	13.9	0.7	5.7	1.0	22	0.1	0.9	0.2	57	0.26	0.051
1080621	Soil	1.4	41.4	8.0	69	0.1	39.5	15.9	482	3.15	12.1	0.6	4.4	1.3	25	<0.1	0.6	0.1	57	0.35	0.050
1080623	Soil	1.0	49.0	7.4	64	<0.1	52.6	20.4	542	3.06	19.9	0.5	2.5	1.9	15	0.1	0.5	0.1	54	0.17	0.029



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1007343	Soil	12	60	0.92	145	0.073	<1	1.95	0.012	0.21	<0.1	0.05	3.8	0.2	0.05	6	0.6
1007345	Soil	10	88	1.20	188	0.121	<1	2.40	0.013	0.40	0.1	0.04	5.7	0.3	<0.05	8	0.8
1007346	Soil	10	73	0.99	158	0.076	<1	2.13	0.012	0.17	<0.1	0.05	3.8	0.3	<0.05	7	<0.5
1007347	Soil	9	63	0.91	117	0.092	<1	1.95	0.010	0.20	<0.1	0.03	4.4	0.2	<0.05	6	<0.5
1007348	Soil	10	70	0.97	136	0.090	<1	2.04	0.010	0.22	<0.1	0.03	4.5	0.3	<0.05	6	<0.5
1007349	Soil	7	99	1.71	318	0.190	<1	3.17	0.019	1.22	<0.1	0.02	7.0	0.4	<0.05	12	<0.5
1007350	Soil	8	79	1.20	177	0.138	<1	2.38	0.011	0.40	<0.1	0.02	6.2	0.3	<0.05	8	<0.5
1060014	Soil	9	33	0.63	48	0.060	<1	1.31	0.011	0.06	<0.1	0.03	2.1	<0.1	<0.05	3	<0.5
1060015	Soil	9	38	0.73	69	0.049	<1	1.53	0.009	0.07	<0.1	0.02	2.0	0.1	<0.05	5	<0.5
1060016	Soil	10	39	0.71	73	0.039	<1	1.53	0.009	0.07	<0.1	0.03	1.6	0.1	<0.05	4	<0.5
1060018	Soil	13	48	0.92	76	0.064	<1	1.86	0.011	0.15	<0.1	0.03	3.4	0.2	<0.05	6	<0.5
1060017	Soil	11	46	0.83	83	0.045	<1	1.80	0.010	0.10	<0.1	0.03	2.2	0.1	<0.05	5	0.6
1060012	Soil	9	39	0.65	63	0.048	<1	1.31	0.009	0.04	<0.1	0.02	2.1	<0.1	<0.05	4	0.5
1060013	Soil	10	45	0.62	96	0.043	<1	1.43	0.011	0.07	<0.1	0.05	2.0	0.1	<0.05	5	0.5
1060011	Soil	11	48	0.78	91	0.069	<1	1.62	0.015	0.10	<0.1	0.03	2.7	0.1	<0.05	5	<0.5
1060010	Soil	13	66	0.99	122	0.138	<1	2.07	0.016	0.24	<0.1	0.03	4.3	0.2	<0.05	7	0.5
1080617	Soil	7	44	0.79	84	0.061	<1	1.56	0.009	0.05	0.1	0.02	2.7	<0.1	<0.05	5	<0.5
1080619	Soil	7	48	0.71	95	0.046	2	1.46	0.009	0.05	0.1	0.02	2.3	<0.1	<0.05	5	<0.5
1080634	Soil	10	46	0.77	87	0.031	<1	1.54	0.011	0.04	<0.1	0.04	2.1	<0.1	<0.05	5	0.6
1080614	Soil	8	52	0.85	74	0.047	3	1.76	0.008	0.04	<0.1	0.02	2.3	<0.1	<0.05	5	0.8
1080613	Soil	2	131	2.46	103	0.116	<1	3.06	0.004	0.26	<0.1	<0.01	5.1	0.2	<0.05	7	0.5
1080616	Soil	7	46	0.85	92	0.038	<1	1.60	0.010	0.05	0.1	0.02	2.4	<0.1	<0.05	5	0.5
1080633	Soil	8	36	0.63	101	0.030	<1	1.32	0.011	0.04	<0.1	0.05	1.6	<0.1	<0.05	5	0.6
1080618	Soil	7	31	0.70	53	0.016	<1	1.56	0.005	0.04	<0.1	0.01	1.8	<0.1	<0.05	4	<0.5
1080615	Soil	7	42	0.69	85	0.041	<1	1.38	0.009	0.06	<0.1	0.06	2.1	<0.1	<0.05	5	0.7
1080632	Soil	9	46	0.92	74	0.054	2	1.63	0.016	0.05	<0.1	0.03	4.2	<0.1	<0.05	4	0.6
1080635	Soil	8	50	0.86	68	0.061	1	1.66	0.010	0.04	<0.1	0.02	3.0	<0.1	<0.05	4	0.7
1080620	Soil	8	42	0.69	86	0.045	<1	1.55	0.008	0.05	<0.1	0.03	2.3	<0.1	<0.05	5	<0.5
1080621	Soil	8	42	0.80	100	0.055	1	1.65	0.021	0.05	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5
1080623	Soil	6	48	0.89	47	0.070	1	1.69	0.007	0.05	<0.1	0.02	2.7	<0.1	<0.05	4	0.6



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1080622	Soil	1.3	35.7	8.7	65	<0.1	38.6	15.4	466	3.08	23.2	0.5	4.5	1.5	21	0.1	0.6	0.1	61	0.25	0.032
1080624	Soil	0.9	56.9	9.0	70	<0.1	62.2	21.4	696	3.32	22.9	0.5	12.6	2.0	19	0.2	0.6	0.1	57	0.25	0.031
1080625	Soil	0.3	68.7	2.9	91	<0.1	129.7	41.9	1284	6.12	28.4	0.2	17.4	0.8	19	<0.1	0.1	<0.1	119	0.44	0.098
1080626	Soil	1.0	76.8	5.6	69	0.2	65.6	27.0	864	4.01	29.8	0.5	3.2	0.7	33	0.3	0.5	<0.1	89	0.70	0.056
1080627	Soil	0.9	56.9	6.8	77	0.1	58.5	21.2	847	3.95	21.3	0.4	4.7	1.9	21	0.1	0.4	0.1	67	0.26	0.041
1080628	Soil	1.1	40.5	3.6	71	<0.1	33.9	17.8	635	3.45	12.9	0.3	1.5	0.7	18	<0.1	0.4	<0.1	51	0.23	0.039
1080629	Soil	0.9	40.8	3.7	73	<0.1	35.8	18.5	665	3.61	14.0	0.3	1.3	0.7	18	<0.1	0.4	<0.1	55	0.23	0.037
1080630	Soil	1.6	41.6	9.7	75	<0.1	45.7	18.2	494	3.23	19.8	0.7	7.6	0.9	32	0.1	0.6	0.2	53	0.39	0.062
1080631	Soil	2.0	51.4	5.1	75	0.1	39.5	19.8	706	3.49	11.6	0.5	2.0	0.7	19	0.1	0.4	<0.1	57	0.22	0.049
1080601	Soil	1.4	42.3	8.1	65	<0.1	39.3	15.7	477	3.00	11.9	0.6	5.6	1.2	21	0.1	0.7	0.1	54	0.25	0.050
1080602	Soil	2.6	35.7	10.2	69	<0.1	31.5	14.7	541	3.20	14.0	0.7	2.1	0.7	25	0.1	1.0	0.2	63	0.28	0.077
1080604	Soil	1.5	45.1	8.4	80	<0.1	49.4	24.3	702	3.12	15.6	0.9	3.0	1.3	22	0.1	0.4	0.2	44	0.27	0.105
1080603	Soil	1.5	43.7	7.9	69	<0.1	34.8	13.7	427	2.90	11.4	0.7	13.0	0.9	22	0.1	0.7	0.1	52	0.28	0.087
1080605	Soil	1.1	42.6	7.2	81	<0.1	48.2	15.5	482	3.18	10.4	0.9	2.8	2.6	26	0.1	0.4	0.1	43	0.37	0.129
1080607	Soil	0.5	130.1	16.2	117	0.2	105.0	43.5	1122	4.30	15.0	1.5	2.3	6.0	160	0.2	0.2	0.3	45	0.43	0.113
1080606	Soil	0.4	123.6	17.8	120	0.2	102.8	43.2	1189	4.20	14.6	1.6	3.1	6.5	151	0.1	0.2	0.3	43	0.42	0.122
1080608	Soil	0.5	72.0	7.6	107	0.2	128.9	46.8	1739	4.27	23.7	0.9	2.3	4.0	137	0.3	0.3	0.2	38	0.31	0.092
1080609	Soil	1.0	54.6	7.1	62	0.1	109.2	25.9	714	3.11	15.3	0.5	2.4	0.6	31	0.1	0.5	<0.1	74	0.63	0.088
1080610	Soil	1.6	135.8	1.8	144	0.1	180.1	45.3	1696	7.31	16.2	<0.1	1.3	0.3	22	0.1	<0.1	0.1	126	0.75	0.163
1080611	Soil	1.1	116.1	4.2	119	0.2	114.5	45.0	1451	5.87	33.0	0.3	1.0	0.8	22	0.3	0.3	0.1	113	0.68	0.118
1080612	Soil	0.5	66.5	4.3	85	<0.1	133.4	29.4	859	4.02	33.7	0.3	1.7	0.9	21	0.2	0.2	<0.1	65	0.41	0.103
1060992	Soil	1.8	93.7	7.9	127	0.2	84.5	31.9	607	5.11	16.5	1.1	3.2	2.3	28	0.1	0.4	0.2	121	0.34	0.095
1060986	Soil	1.1	94.5	5.5	110	0.1	89.5	26.7	537	3.85	9.8	1.1	5.1	3.9	27	0.3	0.3	0.2	78	0.31	0.128
1060987	Soil	1.4	89.7	6.7	119	0.2	111.9	32.4	549	3.84	13.5	1.1	8.2	3.8	45	0.2	0.4	0.2	70	0.39	0.132
1060990	Soil	1.6	105.5	9.1	130	0.2	99.2	32.4	726	4.47	16.3	1.4	5.6	3.3	27	0.2	0.6	0.2	76	0.31	0.109
1060988	Soil	1.1	73.5	6.1	101	0.1	73.9	25.9	501	3.82	14.8	0.9	4.1	2.8	25	0.2	0.5	0.2	74	0.27	0.082
1060991	Soil	1.4	103.8	6.7	132	0.1	86.3	32.3	639	4.95	19.2	1.0	2.6	3.3	21	0.1	0.4	0.2	121	0.28	0.063
1060993	Soil	1.1	63.9	5.3	97	0.1	56.5	22.3	513	4.02	11.2	0.8	11.0	2.1	20	0.1	0.4	0.1	97	0.30	0.092
1060989	Soil	1.3	78.4	8.5	118	0.2	72.6	24.9	677	4.30	17.5	1.2	6.6	3.3	24	0.2	0.7	0.2	69	0.31	0.088
1060995	Soil	1.3	66.9	7.7	94	0.2	62.7	22.8	630	3.94	13.4	0.8	3.2	2.0	21	0.1	0.6	0.2	86	0.27	0.086



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1080622	Soil	7	42	0.78	83	0.068	2	1.70	0.010	0.05	<0.1	0.02	2.8	<0.1	<0.05	5	0.5	<0.2
1080624	Soil	8	49	0.94	91	0.068	1	1.82	0.010	0.06	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2
1080625	Soil	4	109	2.47	186	0.149	<1	3.20	0.004	0.58	<0.1	<0.01	5.5	0.3	<0.05	10	<0.5	<0.2
1080626	Soil	6	102	1.79	99	0.064	<1	2.30	0.009	0.09	<0.1	0.03	5.3	<0.1	<0.05	5	<0.5	<0.2
1080627	Soil	6	59	1.17	100	0.060	<1	1.99	0.007	0.08	<0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
1080628	Soil	4	39	1.36	121	0.097	<1	2.04	0.006	0.23	<0.1	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1080629	Soil	4	42	1.32	128	0.105	<1	2.03	0.005	0.26	<0.1	<0.01	1.8	0.1	<0.05	4	<0.5	<0.2
1080630	Soil	6	43	0.75	52	0.038	<1	1.41	0.007	0.07	<0.1	0.02	2.1	<0.1	<0.05	4	0.5	<0.2
1080631	Soil	5	46	1.17	110	0.070	<1	1.84	0.007	0.10	<0.1	0.02	1.9	0.1	<0.05	5	0.7	<0.2
1080601	Soil	8	38	0.73	98	0.054	1	1.58	0.010	0.05	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1080602	Soil	7	39	0.65	104	0.041	<1	1.45	0.010	0.04	<0.1	0.04	2.3	<0.1	<0.05	5	0.8	<0.2
1080604	Soil	9	34	0.67	71	0.029	<1	1.48	0.007	0.04	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
1080603	Soil	8	36	0.72	63	0.047	<1	1.41	0.011	0.05	<0.1	0.03	2.1	<0.1	<0.05	4	0.5	<0.2
1080605	Soil	8	39	0.73	86	0.037	<1	1.65	0.007	0.05	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
1080607	Soil	23	58	1.03	61	0.049	<1	2.20	0.006	0.07	<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
1080606	Soil	24	58	1.05	62	0.048	<1	2.30	0.011	0.07	<0.1	0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
1080608	Soil	9	44	0.89	113	0.029	<1	1.92	0.007	0.06	<0.1	<0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
1080609	Soil	5	144	1.51	66	0.041	1	1.84	0.010	0.03	<0.1	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
1080610	Soil	1	173	3.66	253	0.128	1	4.39	0.003	0.73	<0.1	0.02	3.5	0.4	<0.05	9	<0.5	<0.2
1080611	Soil	5	134	2.58	137	0.078	<1	3.40	0.005	0.32	<0.1	0.03	6.2	0.3	0.06	7	<0.5	<0.2
1080612	Soil	3	147	1.92	58	0.035	2	2.21	0.004	0.09	<0.1	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
1060992	Soil	13	93	1.55	213	0.102	2	3.07	0.010	0.30	<0.1	0.03	5.7	0.3	0.08	9	<0.5	<0.2
1060986	Soil	17	57	1.02	79	0.072	1	2.06	0.014	0.18	<0.1	0.03	4.1	0.2	0.07	6	<0.5	<0.2
1060987	Soil	18	49	1.03	68	0.071	<1	2.10	0.016	0.18	<0.1	0.03	3.3	0.2	<0.05	6	<0.5	<0.2
1060990	Soil	19	59	1.19	81	0.051	<1	2.53	0.014	0.12	<0.1	0.04	4.0	0.2	0.06	7	<0.5	<0.2
1060988	Soil	13	53	1.00	75	0.067	1	2.06	0.014	0.16	<0.1	0.02	3.7	0.2	<0.05	6	<0.5	<0.2
1060991	Soil	13	89	1.57	154	0.120	<1	3.02	0.010	0.32	<0.1	0.02	6.3	0.3	<0.05	9	0.5	<0.2
1060993	Soil	8	77	1.39	126	0.107	1	2.49	0.008	0.34	<0.1	0.03	4.4	0.2	<0.05	7	<0.5	<0.2
1060989	Soil	14	52	1.11	67	0.045	2	2.25	0.011	0.13	<0.1	0.03	3.6	0.2	<0.05	6	<0.5	<0.2
1060995	Soil	11	65	1.07	114	0.079	1	2.24	0.010	0.22	<0.1	0.02	3.9	0.2	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1060994	Soil	1.7	67.9	10.4	100	0.2	56.1	22.4	663	4.06	16.4	1.0	6.2	1.2	26	0.2	0.6	0.2	82	0.40	0.108
1060996	Soil	1.1	62.8	5.5	93	0.1	64.0	23.0	562	4.02	11.7	0.7	5.5	1.7	18	0.1	0.4	0.1	99	0.23	0.068
1060997	Soil	1.3	102.3	12.1	125	0.2	90.8	27.9	681	4.31	24.7	1.3	4.8	3.2	21	0.1	0.6	0.2	69	0.27	0.095
1060004	Soil	1.3	70.2	5.6	102	<0.1	57.4	21.4	541	3.92	8.9	1.0	1.2	3.6	25	0.2	0.5	0.2	75	0.27	0.103
1061000	Soil	1.2	94.0	5.0	115	0.1	74.2	27.7	549	4.21	19.1	0.7	6.6	2.5	23	0.2	0.4	0.1	109	0.34	0.117
1060002	Soil	1.0	100.4	6.4	109	0.2	81.5	30.3	587	4.06	15.5	1.0	4.8	4.1	24	0.2	0.5	0.1	74	0.36	0.139
1060001	Soil	1.0	102.8	4.5	122	<0.1	71.6	24.0	485	4.42	10.6	0.7	13.7	2.9	29	<0.1	0.3	0.1	109	0.36	0.114
1060003	Soil	0.9	36.3	6.6	71	<0.1	37.8	14.6	437	3.09	8.9	0.6	3.7	1.8	21	0.2	0.5	0.1	62	0.26	0.053
1060999	Soil	1.2	78.4	5.4	106	<0.1	57.1	23.4	536	4.35	88.4	0.8	19.2	2.7	22	0.1	0.4	0.1	102	0.30	0.116
1060005	Soil	1.0	40.1	5.8	73	<0.1	37.4	14.6	399	2.93	7.9	0.6	3.5	1.8	22	0.2	0.5	0.1	54	0.29	0.052
1060998	Soil	1.4	83.6	7.8	104	0.1	78.6	24.8	518	3.75	103.3	1.0	22.1	3.2	23	0.2	0.6	0.1	80	0.32	0.111
1060007	Soil	0.8	58.7	4.5	71	<0.1	39.4	15.8	399	2.78	9.6	0.5	2.8	2.0	21	0.2	0.4	<0.1	59	0.38	0.117
1060006	Soil	2.0	51.8	8.4	78	<0.1	44.0	15.7	397	3.34	11.5	0.7	9.5	1.0	22	<0.1	0.8	0.2	74	0.28	0.072
1060008	Soil	1.1	78.3	5.4	116	0.1	67.2	24.6	619	4.56	16.4	0.9	3.7	3.2	25	0.2	0.5	0.1	106	0.34	0.107
1060009	Soil	1.4	72.2	8.3	134	0.2	73.8	25.4	860	5.03	57.8	1.1	4.7	4.1	27	0.1	1.0	0.2	72	0.34	0.105
1060538	Soil	0.9	84.4	5.3	101	0.1	70.3	24.0	509	3.97	15.3	0.8	37.1	2.8	26	0.2	0.3	0.1	87	0.31	0.108
1060542	Soil	1.7	97.2	9.9	124	0.1	101.0	31.5	818	4.74	84.2	1.3	3.8	3.5	25	0.2	0.6	0.2	73	0.23	0.095
1060540	Soil	0.9	70.3	5.6	98	0.1	62.6	22.3	595	4.26	16.4	0.7	3.0	2.5	26	<0.1	0.3	0.1	97	0.24	0.069
1060543	Soil	1.0	76.2	6.0	96	0.2	76.4	24.8	611	4.14	13.1	0.7	1.8	2.7	29	0.1	0.3	0.1	111	0.37	0.040
1060545	Soil	2.0	54.1	9.2	87	<0.1	47.3	19.2	508	3.38	13.4	0.8	3.3	1.0	24	0.1	0.7	0.2	64	0.24	0.078
1060547	Soil	1.8	39.8	8.9	81	<0.1	36.4	15.7	547	3.28	12.6	0.7	3.7	0.9	22	0.2	0.7	0.2	65	0.26	0.073
1060546	Soil	1.3	96.0	9.4	112	0.2	90.1	31.9	739	3.96	136.2	1.3	16.4	3.2	32	0.2	0.6	0.2	61	0.33	0.115
1060549	Soil	1.2	65.0	6.0	82	0.1	77.4	26.6	517	2.89	14.4	0.9	14.8	2.3	31	0.2	0.5	0.1	52	0.28	0.066
1060539	Soil	1.0	73.4	5.1	102	0.1	61.7	20.7	542	4.13	12.2	0.7	2.8	2.6	26	0.1	0.3	0.1	88	0.34	0.096
1060548	Soil	1.6	60.2	8.0	94	0.1	51.9	19.2	582	3.24	13.1	1.2	14.8	2.5	37	0.4	0.7	0.2	55	0.33	0.117
1060541	Soil	1.3	96.5	7.1	110	<0.1	52.1	19.3	617	4.71	12.7	1.2	3.3	3.9	28	0.1	0.5	0.2	91	0.29	0.087
1060544	Soil	1.6	46.2	7.8	69	<0.1	33.9	13.7	440	3.07	12.7	0.7	2.0	1.0	30	0.1	0.6	0.2	64	0.32	0.098
1061394	Soil	0.9	54.7	5.4	86	<0.1	43.3	17.9	534	3.51	50.0	0.7	2.7	2.8	22	0.1	0.3	0.1	72	0.37	0.106
1061388	Soil	0.9	49.0	6.0	82	0.2	46.3	17.5	559	3.53	34.0	0.6	2.8	2.1	24	0.1	0.4	0.1	75	0.43	0.108
1061385	Soil	1.1	66.4	7.0	105	0.1	57.1	21.6	578	3.95	19.5	0.8	3.2	2.7	23	0.2	0.4	0.2	78	0.30	0.093



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1060994	Soil	10	63	1.13	136	0.044	<1	2.23	0.009	0.17	<0.1	0.04	3.3	0.1	0.07	7	<0.5
1060996	Soil	8	88	1.37	164	0.107	1	2.57	0.009	0.33	<0.1	0.02	4.0	0.2	<0.05	7	<0.5
1060997	Soil	13	61	1.16	81	0.037	<1	2.47	0.006	0.09	<0.1	0.02	3.8	0.1	<0.05	7	<0.5
1060004	Soil	15	58	1.00	72	0.079	1	2.08	0.010	0.14	<0.1	0.02	3.1	0.2	<0.05	6	<0.5
1061000	Soil	9	83	1.34	159	0.134	1	2.61	0.009	0.46	<0.1	0.01	5.1	0.3	<0.05	8	<0.5
1060002	Soil	16	54	1.12	77	0.066	<1	2.22	0.009	0.18	<0.1	0.03	3.6	0.2	<0.05	5	<0.5
1060001	Soil	12	80	1.40	149	0.132	<1	2.56	0.011	0.45	<0.1	0.02	5.0	0.3	<0.05	7	0.6
1060003	Soil	8	42	0.81	81	0.074	2	1.60	0.010	0.08	<0.1	0.03	2.7	<0.1	<0.05	5	<0.5
1060999	Soil	11	76	1.38	140	0.121	1	2.62	0.010	0.34	<0.1	0.02	5.0	0.2	<0.05	7	<0.5
1060005	Soil	9	39	0.76	76	0.058	2	1.54	0.011	0.07	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5
1060998	Soil	12	73	1.20	109	0.086	2	2.37	0.009	0.21	<0.1	0.02	4.3	0.2	<0.05	6	<0.5
1060007	Soil	7	48	0.91	88	0.071	2	1.61	0.010	0.08	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5
1060006	Soil	8	57	0.79	108	0.064	<1	1.56	0.008	0.10	<0.1	0.05	2.5	0.1	0.06	6	<0.5
1060008	Soil	12	75	1.32	139	0.115	<1	2.47	0.012	0.39	<0.1	0.02	5.1	0.3	<0.05	8	<0.5
1060009	Soil	15	59	1.20	60	0.061	<1	2.46	0.008	0.24	<0.1	0.02	4.4	0.2	<0.05	7	<0.5
1060538	Soil	10	72	1.34	162	0.116	1	2.42	0.009	0.45	<0.1	0.02	4.3	0.3	<0.05	6	0.5
1060542	Soil	17	59	1.21	101	0.060	<1	2.49	0.009	0.11	<0.1	0.03	3.7	0.2	<0.05	6	<0.5
1060540	Soil	9	84	1.43	210	0.131	<1	2.58	0.009	0.47	<0.1	0.02	4.1	0.3	<0.05	7	<0.5
1060543	Soil	10	81	1.38	261	0.152	1	2.42	0.011	0.43	<0.1	0.03	6.0	0.3	<0.05	8	<0.5
1060545	Soil	9	42	0.80	99	0.034	<1	1.83	0.009	0.04	<0.1	0.03	2.0	0.1	<0.05	5	<0.5
1060547	Soil	7	42	0.72	101	0.037	1	1.44	0.009	0.05	<0.1	0.05	2.0	<0.1	<0.05	5	<0.5
1060546	Soil	17	48	0.95	51	0.038	<1	1.86	0.009	0.07	<0.1	0.03	3.1	<0.1	<0.05	5	<0.5
1060549	Soil	12	39	0.73	76	0.052	1	1.41	0.010	0.07	0.1	0.03	2.3	<0.1	<0.05	4	<0.5
1060539	Soil	9	78	1.39	196	0.128	<1	2.32	0.010	0.48	<0.1	0.02	4.2	0.3	<0.05	7	<0.5
1060548	Soil	15	40	0.75	82	0.051	2	1.60	0.013	0.06	<0.1	0.03	2.8	<0.1	0.07	5	<0.5
1060541	Soil	11	69	1.29	128	0.131	<1	2.47	0.012	0.27	<0.1	0.04	4.3	0.3	0.07	8	<0.5
1060544	Soil	8	41	0.68	88	0.045	1	1.39	0.013	0.07	<0.1	0.02	2.2	<0.1	0.07	5	<0.5
1061394	Soil	8	55	1.12	149	0.103	<1	1.92	0.009	0.24	<0.1	<0.01	3.7	0.2	<0.05	6	0.7
1061388	Soil	7	57	1.05	113	0.105	<1	1.76	0.010	0.31	<0.1	0.03	3.6	0.2	<0.05	6	<0.5
1061385	Soil	11	57	1.12	127	0.110	<1	2.06	0.012	0.29	<0.1	0.02	3.4	0.3	<0.05	6	0.7



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Part 1

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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1061386	Soil	1.7	50.2	8.4	79	0.2	42.6	17.2	545	3.45	32.9	0.8	1.3	1.5	28	0.2	0.6	0.2	64	0.35	0.086
1061393	Soil	0.8	54.2	7.4	89	0.1	47.4	17.3	532	3.65	95.1	0.8	1.6	3.0	23	0.2	0.3	0.2	68	0.38	0.110
1061395	Soil	1.0	49.6	6.4	84	0.1	39.9	15.4	492	3.53	54.9	0.8	3.9	2.6	21	0.1	0.4	0.1	67	0.32	0.102
1061389	Soil	0.9	46.4	5.5	82	<0.1	44.4	16.0	532	3.52	56.7	0.6	4.9	1.8	19	0.1	0.4	0.1	73	0.33	0.069
1061392	Soil	0.9	50.6	7.2	84	0.2	48.0	18.0	578	3.65	130.4	0.8	1.4	2.4	24	0.2	0.4	0.1	72	0.37	0.087
1061391	Soil	1.1	52.5	8.1	84	0.2	45.1	17.6	589	3.72	190.8	0.9	8.1	1.8	28	0.1	0.5	0.1	70	0.46	0.090
1061387	Soil	1.3	60.1	12.0	93	0.2	47.3	18.8	600	3.88	57.0	0.9	4.2	2.1	24	0.1	0.5	0.2	81	0.39	0.085
1061396	Soil	1.1	58.6	5.6	93	0.1	53.3	19.7	653	4.09	70.3	0.6	6.4	2.1	23	<0.1	0.3	0.1	84	0.38	0.092
1061390	Soil	1.2	50.2	7.2	86	0.2	44.5	17.5	655	3.85	254.5	0.7	8.2	1.7	28	0.1	0.5	0.1	83	0.46	0.088
1061399	Soil	0.6	47.0	5.5	81	0.1	38.3	14.9	505	3.07	9.3	0.4	3.3	1.7	17	0.1	0.3	0.1	69	0.30	0.051
1057745	Soil	1.1	46.8	5.2	80	0.2	53.7	15.5	420	3.03	12.5	0.8	1.8	2.4	29	0.1	0.5	0.1	55	0.39	0.099
1061400	Soil	0.3	46.4	5.6	84	0.1	39.9	14.9	486	3.00	4.4	0.5	4.5	1.7	16	0.2	0.2	0.1	67	0.31	0.053
1060537	Soil	1.1	62.5	6.4	84	0.1	71.1	19.0	491	3.56	22.0	0.8	<0.5	2.0	22	<0.1	0.4	0.1	72	0.30	0.063
1057746	Soil	1.4	73.1	6.7	81	0.2	62.4	20.1	453	3.51	21.2	1.1	2.1	2.3	28	0.1	0.5	0.2	63	0.23	0.064
1061398	Soil	1.2	53.0	6.1	79	0.2	39.4	17.1	602	3.61	45.2	0.7	1.0	1.7	20	0.1	0.4	0.1	75	0.29	0.064
1057747	Soil	1.2	74.7	7.9	93	0.3	92.5	22.9	567	3.63	22.6	1.0	9.8	2.4	27	0.2	0.5	0.2	69	0.32	0.077
1060550	Soil	0.9	41.0	5.9	69	0.1	45.5	14.7	380	2.81	9.0	0.7	4.9	1.8	22	0.2	0.4	0.1	52	0.27	0.055
1061397	Soil	1.1	59.0	6.5	93	0.1	50.1	19.8	637	3.94	67.8	0.6	5.1	1.9	25	0.1	0.4	0.1	79	0.46	0.092
1057748	Soil	1.5	86.1	8.0	104	0.2	102.3	28.7	615	4.15	31.4	1.2	4.0	2.6	28	0.2	0.5	0.2	82	0.32	0.085
1057544	Soil	1.1	46.5	7.5	68	<0.1	46.8	17.6	484	3.17	11.2	0.7	<0.5	1.3	24	0.1	0.4	0.1	55	0.21	0.050
1057543	Soil	1.0	36.7	7.5	67	<0.1	42.7	14.6	422	3.10	11.9	0.5	2.6	1.9	27	0.1	0.6	0.1	58	0.30	0.031
1057545	Soil	1.9	39.0	9.5	77	0.2	35.3	16.8	549	3.26	16.8	0.9	<0.5	0.6	32	0.1	0.7	0.2	58	0.42	0.079
1057546	Soil	1.4	32.3	7.2	64	<0.1	38.1	13.8	456	3.18	8.7	0.5	1.1	0.7	20	<0.1	0.4	0.1	71	0.26	0.065
1057548	Soil	1.2	50.0	8.3	78	0.3	48.6	16.8	481	3.24	14.3	0.9	<0.5	1.1	33	0.4	0.6	0.2	55	0.40	0.082
1057547	Soil	1.0	52.4	7.1	77	0.2	56.6	18.0	487	3.47	13.2	0.7	6.9	1.5	23	0.2	0.5	0.1	60	0.24	0.055
1057549	Soil	1.5	56.0	8.3	79	0.3	39.5	18.1	626	2.95	11.3	1.1	2.8	0.9	40	0.5	0.6	0.2	47	0.49	0.136
1057550	Soil	1.4	55.5	5.9	69	0.2	37.1	15.1	472	2.56	10.0	0.8	1.4	0.7	42	0.2	0.4	0.1	41	0.70	0.104
1056348	Soil	1.8	48.9	8.6	79	0.2	41.9	14.8	436	3.11	13.2	0.9	3.0	0.7	34	0.4	0.5	0.2	56	0.49	0.089
1056349	Soil	1.2	75.3	4.1	93	0.2	97.1	27.3	893	4.46	12.5	0.4	1.4	0.9	23	0.2	0.2	<0.1	84	0.48	0.095
1056289	Soil	1.0	58.1	5.2	78	0.1	68.7	21.6	659	3.88	12.5	0.5	1.1	1.3	22	<0.1	0.4	<0.1	72	0.35	0.044



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1061386	Soil	7	45	0.82	122	0.069	<1	1.61	0.015	0.14	<0.1	0.05	2.5	0.2	0.05	5	<0.5	<0.2
1061393	Soil	10	52	1.02	112	0.083	<1	1.80	0.011	0.22	<0.1	0.01	3.3	0.2	<0.05	6	<0.5	<0.2
1061395	Soil	9	51	1.05	119	0.089	<1	1.86	0.010	0.21	<0.1	0.01	3.1	0.2	<0.05	6	0.5	<0.2
1061389	Soil	7	62	1.15	110	0.100	<1	1.83	0.008	0.25	<0.1	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
1061392	Soil	9	55	1.11	95	0.082	<1	1.92	0.010	0.22	<0.1	0.01	3.5	0.2	<0.05	6	0.6	<0.2
1061391	Soil	10	56	1.04	114	0.068	<1	1.82	0.012	0.18	<0.1	0.03	3.0	0.2	<0.05	6	0.5	<0.2
1061387	Soil	10	60	1.08	147	0.104	<1	1.96	0.011	0.27	<0.1	0.04	3.9	0.2	0.06	6	0.9	<0.2
1061396	Soil	7	66	1.33	176	0.116	<1	2.26	0.009	0.34	<0.1	0.01	4.0	0.2	<0.05	6	<0.5	<0.2
1061390	Soil	8	63	1.13	125	0.087	<1	2.04	0.011	0.21	<0.1	0.03	3.8	0.2	0.06	6	<0.5	<0.2
1061399	Soil	5	62	1.24	198	0.121	<1	2.14	0.008	0.21	<0.1	0.03	3.5	0.2	<0.05	6	<0.5	<0.2
1057745	Soil	10	51	0.88	73	0.062	<1	1.50	0.011	0.10	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
1061400	Soil	4	62	1.25	208	0.111	<1	2.15	0.008	0.21	<0.1	0.04	3.6	0.2	<0.05	6	<0.5	<0.2
1060537	Soil	7	77	1.11	90	0.076	<1	1.90	0.011	0.11	<0.1	0.03	3.2	0.1	<0.05	5	<0.5	<0.2
1057746	Soil	13	60	0.93	84	0.071	<1	1.84	0.012	0.10	<0.1	0.04	3.1	0.2	<0.05	5	<0.5	<0.2
1061398	Soil	8	51	1.18	142	0.105	<1	2.11	0.010	0.20	<0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
1057747	Soil	13	81	1.09	102	0.076	<1	1.97	0.014	0.13	<0.1	0.07	3.7	0.2	<0.05	6	<0.5	<0.2
1060550	Soil	8	41	0.76	78	0.056	<1	1.46	0.011	0.08	<0.1	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
1061397	Soil	8	60	1.33	193	0.110	<1	2.23	0.011	0.33	<0.1	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
1057748	Soil	12	85	1.29	102	0.083	<1	2.30	0.010	0.16	<0.1	0.04	3.8	0.2	<0.05	6	<0.5	<0.2
1057544	Soil	9	42	0.76	66	0.053	<1	1.61	0.010	0.05	<0.1	0.03	2.1	<0.1	<0.05	4	<0.5	<0.2
1057543	Soil	8	43	0.83	85	0.073	<1	1.73	0.012	0.06	0.1	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
1057545	Soil	10	43	0.81	79	0.038	<1	1.65	0.011	0.05	<0.1	0.03	2.0	0.1	<0.05	5	<0.5	<0.2
1057546	Soil	5	55	0.90	88	0.074	<1	1.64	0.009	0.10	<0.1	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
1057548	Soil	10	47	0.90	86	0.036	<1	1.83	0.012	0.06	<0.1	0.05	2.1	<0.1	<0.05	5	<0.5	<0.2
1057547	Soil	8	51	0.95	74	0.049	<1	1.84	0.009	0.09	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
1057549	Soil	13	40	0.68	101	0.027	<1	1.61	0.013	0.06	<0.1	0.08	1.7	<0.1	0.08	4	<0.5	<0.2
1057550	Soil	9	32	0.62	98	0.025	<1	1.33	0.013	0.05	<0.1	0.04	1.3	<0.1	0.07	4	<0.5	<0.2
1056348	Soil	9	43	0.73	87	0.032	<1	1.49	0.011	0.06	<0.1	0.04	1.8	<0.1	<0.05	5	<0.5	<0.2
1056349	Soil	5	125	2.01	192	0.093	<1	2.80	0.007	0.45	<0.1	0.03	2.3	0.2	<0.05	7	<0.5	<0.2
1056289	Soil	7	85	1.46	168	0.084	<1	2.20	0.009	0.25	<0.1	0.02	2.8	0.2	<0.05	6	<0.5	<0.2



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August 13, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11000850.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1060034	Soil	1.4	71.3	9.6	123	0.2	69.7	20.0	644	4.93	46.9	1.4	9.0	3.8	27	0.2	1.6	0.2	76	0.30	0.102
REP 1060034	QC	1.4	72.5	10.1	123	0.2	71.9	20.7	677	5.04	48.0	1.6	10.5	3.9	27	0.1	1.7	0.2	78	0.31	0.105
1060050	Soil	1.3	91.2	6.1	102	0.1	79.3	22.3	526	3.87	27.6	1.2	5.1	3.5	27	0.2	0.5	0.2	93	0.32	0.116
REP 1060050	QC	1.4	94.9	6.3	104	0.1	83.4	23.6	553	4.08	28.6	1.2	6.9	3.6	29	0.1	0.5	0.2	95	0.33	0.118
1056148	Soil	1.3	95.8	6.7	105	0.2	56.4	23.3	455	3.96	11.5	1.2	7.0	3.8	24	0.2	0.4	0.2	81	0.26	0.098
REP 1056148	QC	1.2	93.1	6.5	104	0.2	56.4	23.2	456	3.94	11.5	1.2	4.7	3.9	24	0.2	0.4	0.2	80	0.25	0.094
1007350	Soil	1.1	50.0	5.5	88	<0.1	41.0	15.9	401	3.97	6.9	0.7	3.0	2.0	26	0.1	0.4	0.2	112	0.28	0.073
REP 1007350	QC	1.2	52.0	5.6	87	0.1	42.6	16.7	403	3.99	6.9	0.7	2.5	2.0	28	<0.1	0.4	0.2	112	0.28	0.075
1080613	Soil	1.1	91.8	2.9	100	0.1	127.6	35.1	1316	5.59	20.5	0.1	1.7	0.4	21	<0.1	<0.1	<0.1	99	0.59	0.132
REP 1080613	QC	1.2	84.7	3.0	94	0.1	117.9	34.2	1251	5.47	19.1	0.1	1.8	0.4	19	<0.1	0.1	<0.1	96	0.54	0.122
1080607	Soil	0.5	130.1	16.2	117	0.2	105.0	43.5	1122	4.30	15.0	1.5	2.3	6.0	160	0.2	0.2	0.3	45	0.43	0.113
REP 1080607	QC	0.3	129.9	16.4	119	0.2	107.3	44.4	1118	4.31	15.4	1.5	2.8	6.2	158	0.2	0.2	0.4	46	0.43	0.118
1060986	Soil	1.1	94.5	5.5	110	0.1	89.5	26.7	537	3.85	9.8	1.1	5.1	3.9	27	0.3	0.3	0.2	78	0.31	0.128
REP 1060986	QC	1.0	88.6	5.3	110	0.1	86.6	25.6	505	3.73	9.4	1.2	3.8	3.9	27	0.2	0.3	0.2	78	0.30	0.114
1060543	Soil	1.0	76.2	6.0	96	0.2	76.4	24.8	611	4.14	13.1	0.7	1.8	2.7	29	0.1	0.3	0.1	111	0.37	0.040
REP 1060543	QC	0.9	76.8	5.9	98	0.2	79.1	25.2	619	4.45	14.0	0.7	1.7	2.7	30	0.2	0.3	0.1	109	0.39	0.045
1061390	Soil	1.2	50.2	7.2	86	0.2	44.5	17.5	655	3.85	254.5	0.7	8.2	1.7	28	0.1	0.5	0.1	83	0.46	0.088
REP 1061390	QC	1.2	53.2	7.6	84	0.2	45.0	18.0	630	3.71	257.8	0.8	15.4	1.7	28	0.1	0.5	0.1	82	0.46	0.090
1057543	Soil	1.0	36.7	7.5	67	<0.1	42.7	14.6	422	3.10	11.9	0.5	2.6	1.9	27	0.1	0.6	0.1	58	0.30	0.031
REP 1057543	QC	1.0	38.1	7.6	71	0.1	43.8	14.5	422	3.08	12.0	0.6	0.7	2.0	27	0.2	0.6	0.1	58	0.31	0.032
Reference Materials																					
STD DS8	Standard	12.1	107.1	127.8	315	1.9	37.8	7.0	569	2.39	26.8	2.7	114.5	6.2	63	2.4	5.7	7.0	39	0.63	0.078
STD DS8	Standard	12.9	111.7	126.9	307	1.9	41.0	8.0	611	2.44	26.7	2.7	120.6	6.7	62	2.2	5.6	6.9	45	0.66	0.068
STD DS8	Standard	13.0	101.4	125.5	289	1.8	35.7	7.0	579	2.29	25.1	2.8	109.9	7.0	65	2.3	5.1	6.6	40	0.65	0.073
STD DS8	Standard	12.9	118.9	130.0	324	1.9	41.1	8.2	641	2.58	26.9	3.0	118.5	7.3	71	2.3	6.3	7.2	45	0.70	0.082
STD DS8	Standard	12.3	111.2	117.7	311	1.8	37.9	7.3	607	2.32	26.4	2.7	104.5	6.5	60	2.5	5.2	6.5	42	0.67	0.083
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1060034	Soil	16	62	1.02	84	0.061	<1	2.13	0.012	0.17	<0.1	0.02	6.0	0.1	<0.05	6	<0.5	<0.2
REP 1060034	QC	16	65	1.06	87	0.063	1	2.15	0.013	0.17	<0.1	0.03	6.1	0.1	<0.05	6	0.5	<0.2
1060050	Soil	13	92	1.21	116	0.124	<1	2.24	0.014	0.31	<0.1	0.02	5.7	0.3	<0.05	6	<0.5	<0.2
REP 1060050	QC	14	96	1.28	121	0.132	1	2.27	0.015	0.31	<0.1	0.03	5.9	0.3	<0.05	7	<0.5	<0.2
1056148	Soil	15	60	1.00	121	0.092	<1	2.23	0.009	0.25	<0.1	0.02	4.7	0.3	<0.05	6	<0.5	<0.2
REP 1056148	QC	16	60	1.02	122	0.088	<1	2.18	0.009	0.25	<0.1	0.03	4.5	0.3	<0.05	6	<0.5	<0.2
1007350	Soil	8	79	1.20	177	0.138	<1	2.38	0.011	0.40	<0.1	0.02	6.2	0.3	<0.05	8	<0.5	<0.2
REP 1007350	QC	8	79	1.24	178	0.138	<1	2.46	0.011	0.40	<0.1	0.03	5.9	0.3	<0.05	8	<0.5	<0.2
1080613	Soil	2	131	2.46	103	0.116	<1	3.06	0.004	0.26	<0.1	<0.01	5.1	0.2	<0.05	7	0.5	<0.2
REP 1080613	QC	2	126	2.53	102	0.113	<1	3.13	0.004	0.25	<0.1	<0.01	4.8	0.2	<0.05	7	<0.5	<0.2
1080607	Soil	23	58	1.03	61	0.049	<1	2.20	0.006	0.07	<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
REP 1080607	QC	24	59	1.08	65	0.052	<1	2.32	0.006	0.08	<0.1	<0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
1060986	Soil	17	57	1.02	79	0.072	1	2.06	0.014	0.18	<0.1	0.03	4.1	0.2	0.07	6	<0.5	<0.2
REP 1060986	QC	17	57	0.99	79	0.074	1	2.11	0.013	0.17	<0.1	0.02	3.9	0.2	0.06	6	0.8	<0.2
1060543	Soil	10	81	1.38	261	0.152	1	2.42	0.011	0.43	<0.1	0.03	6.0	0.3	<0.05	8	<0.5	<0.2
REP 1060543	QC	10	81	1.48	256	0.152	1	2.51	0.012	0.44	<0.1	0.03	6.2	0.3	<0.05	7	<0.5	<0.2
1061390	Soil	8	63	1.13	125	0.087	<1	2.04	0.011	0.21	<0.1	0.03	3.8	0.2	0.06	6	<0.5	<0.2
REP 1061390	QC	8	62	1.14	128	0.088	<1	1.98	0.011	0.21	<0.1	0.03	3.8	0.2	<0.05	6	<0.5	<0.2
1057543	Soil	8	43	0.83	85	0.073	<1	1.73	0.012	0.06	0.1	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
REP 1057543	QC	8	44	0.83	88	0.072	<1	1.75	0.013	0.06	0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	11	110	0.60	262	0.101	2	0.83	0.076	0.40	3.0	0.19	1.8	5.5	0.14	5	5.3	4.4
STD DS8	Standard	13	126	0.56	260	0.121	2	0.84	0.087	0.40	2.9	0.20	2.4	5.0	0.10	4	4.9	4.7
STD DS8	Standard	14	113	0.58	270	0.112	2	0.88	0.100	0.40	2.8	0.21	2.1	5.0	0.13	4	5.2	5.1
STD DS8	Standard	14	126	0.62	287	0.134	3	0.93	0.096	0.43	3.1	0.21	2.2	5.6	0.16	5	5.1	5.3
STD DS8	Standard	13	111	0.61	269	0.106	3	0.88	0.079	0.41	3.0	0.20	1.8	5.4	0.16	4	4.5	4.6
STD DS8 Expected		14.6	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	<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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Part 1

QUALITY CONTROL REPORT

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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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

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



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Submitted By: Mike Skead

Receiving Lab: Canada-Whitehorse

Received: July 15, 2011

Report Date: August 16, 2011

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CERTIFICATE OF ANALYSIS

WHI11000851.1

CLIENT JOB INFORMATION

Project: GAR
Shipment ID:
P.O. Number
Number of Samples: 191

SAMPLE DISPOSAL

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

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

Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	191	Dry at 60C			VAN
SS80	191	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	191	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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Ryan Gold Corp.

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Vancouver BC V6C 1H2 Canada

Project:

GAR

Report Date:

August 16, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000851.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1056350	Soil	1.2	74.3	3.8	97	0.1	95.3	26.7	900	4.65	14.6	0.4	1.2	0.7	22	0.3	0.3	<0.1	88	0.48	0.099
1057527	Soil	0.9	76.7	4.3	98	<0.1	39.5	27.4	782	4.88	15.5	0.3	2.3	1.1	30	<0.1	0.3	0.1	109	0.44	0.072
1057528	Soil	0.7	90.1	3.3	99	<0.1	42.0	26.7	785	4.71	18.2	0.3	7.6	0.7	23	<0.1	0.3	<0.1	104	0.42	0.073
1057530	Soil	0.9	76.4	6.2	99	0.1	87.8	28.9	635	4.48	23.3	0.6	3.8	2.4	26	0.2	0.4	0.2	94	0.20	0.041
1057529	Soil	1.0	59.1	6.1	94	0.1	55.1	22.1	648	4.35	50.6	0.5	3.3	1.5	18	<0.1	0.5	0.2	93	0.20	0.048
1057532	Soil	1.1	56.6	7.6	121	0.2	69.6	25.3	738	4.35	16.2	0.9	7.5	2.0	36	0.3	0.6	0.2	82	0.33	0.080
1057531	Soil	1.1	70.9	8.9	97	0.3	75.5	26.3	662	4.75	25.9	0.7	2.9	2.1	38	0.1	0.5	0.2	99	0.25	0.044
1057534	Soil	0.9	76.2	7.4	103	0.1	71.1	25.8	744	4.34	14.4	0.8	3.9	2.5	36	0.2	0.4	0.2	80	0.30	0.068
1057533	Soil	0.7	63.6	7.2	121	0.1	82.5	26.9	754	4.72	14.9	0.8	2.4	3.3	54	0.1	0.3	0.2	77	0.34	0.077
1057536	Soil	1.2	48.5	8.0	84	0.1	64.0	22.2	497	3.27	13.5	0.8	2.1	1.7	41	0.2	0.7	0.1	60	0.28	0.062
1057535	Soil	1.2	39.6	8.0	73	<0.1	45.0	16.3	468	3.33	14.3	0.7	1.7	1.1	27	0.2	0.6	0.1	59	0.31	0.081
1057538	Soil	1.5	62.8	9.4	95	0.2	71.9	20.7	518	3.54	16.9	1.1	3.4	2.0	32	0.4	0.8	0.2	62	0.35	0.075
1057537	Soil	1.3	27.5	8.0	73	<0.1	33.0	14.0	474	3.13	11.5	0.6	1.9	0.8	26	0.1	0.7	0.1	63	0.29	0.070
1056291	Soil	1.0	64.2	5.0	90	0.1	53.1	20.9	740	4.16	14.3	0.5	3.6	1.5	27	0.1	0.3	0.1	72	0.41	0.086
1056290	Soil	1.0	63.0	4.2	99	0.2	50.8	22.8	830	4.59	15.9	0.3	222.1	1.3	23	0.1	0.3	<0.1	92	0.38	0.046
1056293	Soil	0.9	60.1	5.7	97	0.1	53.9	19.0	762	4.31	19.0	0.7	3.5	2.6	28	<0.1	0.3	0.1	71	0.33	0.064
1057541	Soil	1.1	51.2	8.0	93	0.1	54.5	17.0	487	3.82	14.7	0.8	8.0	2.0	25	0.1	0.5	0.2	64	0.26	0.054
1056292	Soil	1.3	65.2	8.8	97	0.2	55.9	21.1	747	4.36	24.1	1.0	3.8	2.1	23	0.2	0.4	0.2	62	0.26	0.070
1056294	Soil	0.9	58.3	6.7	100	0.1	60.0	22.0	777	4.50	25.4	0.6	4.3	2.7	30	0.1	0.2	0.1	66	0.36	0.082
1057542	Soil	2.2	42.0	11.6	83	0.2	39.0	18.7	711	3.73	15.1	1.0	2.9	0.9	25	0.2	0.9	0.2	68	0.25	0.080
1057539	Soil	1.2	57.6	8.6	95	0.2	54.9	18.5	610	3.54	17.0	0.9	3.4	2.6	36	0.3	0.7	0.2	63	0.37	0.067
1057540	Soil	1.5	51.5	10.0	88	0.2	51.9	19.3	623	3.95	16.6	1.0	3.5	2.1	26	0.2	0.8	0.2	74	0.30	0.065
1057687	Soil	1.1	46.6	8.3	84	0.2	41.3	24.1	982	3.94	20.3	1.1	12.8	2.3	25	0.1	0.4	0.2	56	0.27	0.076
1057691	Soil	1.6	41.7	9.0	76	0.2	39.6	15.3	464	3.43	16.5	0.9	2.9	1.1	25	0.1	0.6	0.2	66	0.31	0.085
1057683	Soil	0.9	42.9	7.3	86	0.1	44.2	14.7	504	3.34	13.4	0.9	3.7	2.5	26	0.2	0.4	0.1	53	0.33	0.107
1057695	Soil	1.1	28.3	8.1	67	0.2	33.1	12.5	429	2.91	8.6	0.8	7.4	1.8	27	0.1	0.4	0.2	52	0.36	0.083
1061348	Soil	1.1	51.1	8.7	86	0.3	46.6	17.9	579	3.37	14.1	1.5	6.7	2.5	25	<0.1	0.4	0.2	51	0.29	0.100
1057686	Soil	0.7	46.6	7.9	76	0.2	37.8	13.2	406	2.95	9.1	1.0	4.7	3.0	24	0.2	0.3	0.2	49	0.31	0.084
1057689	Soil	1.1	45.8	9.2	64	0.4	33.9	12.3	355	3.05	14.5	1.6	2.8	0.9	24	0.2	0.5	0.2	55	0.24	0.111
1057690	Soil	1.4	51.3	9.2	79	0.2	40.8	14.2	517	3.36	13.0	1.2	4.3	0.9	29	0.2	0.5	0.2	61	0.33	0.101



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1056350	Soil	5	132	2.07	191	0.089	1	2.76	0.006	0.52	<0.1	0.02	2.5	0.2	0.07	7	<0.5	<0.2
1057527	Soil	5	47	1.92	354	0.171	<1	3.15	0.009	0.49	<0.1	0.01	3.4	0.2	<0.05	9	0.6	<0.2
1057528	Soil	3	54	2.06	315	0.165	2	3.17	0.010	0.64	<0.1	<0.01	3.0	0.2	<0.05	9	<0.5	<0.2
1057530	Soil	8	81	1.49	194	0.154	1	2.70	0.012	0.54	<0.1	0.01	4.2	0.3	<0.05	7	<0.5	<0.2
1057529	Soil	6	79	1.58	192	0.146	2	3.01	0.010	0.44	<0.1	0.02	3.8	0.2	<0.05	8	<0.5	<0.2
1057532	Soil	10	66	1.14	122	0.094	2	2.40	0.012	0.20	<0.1	0.03	3.1	0.2	<0.05	7	<0.5	<0.2
1057531	Soil	7	86	1.50	176	0.134	2	2.89	0.011	0.46	<0.1	0.02	4.2	0.3	<0.05	8	0.8	<0.2
1057534	Soil	11	62	1.29	112	0.090	<1	2.60	0.011	0.24	<0.1	0.02	3.4	0.2	<0.05	7	0.8	<0.2
1057533	Soil	9	67	1.40	165	0.096	2	3.02	0.010	0.29	<0.1	0.02	3.5	0.2	<0.05	8	0.6	<0.2
1057536	Soil	10	43	0.84	76	0.063	2	1.85	0.012	0.05	<0.1	0.02	2.5	<0.1	<0.05	5	0.6	<0.2
1057535	Soil	9	43	0.81	71	0.061	1	1.59	0.011	0.06	<0.1	0.02	2.1	<0.1	<0.05	5	0.9	<0.2
1057538	Soil	17	49	0.95	114	0.061	3	2.04	0.016	0.06	<0.1	0.02	3.1	<0.1	<0.05	6	0.7	<0.2
1057537	Soil	8	43	0.79	89	0.063	2	1.79	0.012	0.06	<0.1	0.02	2.3	<0.1	<0.05	5	0.7	<0.2
1056291	Soil	7	62	1.49	191	0.095	2	2.49	0.009	0.35	<0.1	0.02	2.9	0.2	<0.05	7	<0.5	<0.2
1056290	Soil	5	58	1.81	307	0.158	1	2.80	0.016	0.60	<0.1	0.02	3.0	0.2	<0.05	7	<0.5	<0.2
1056293	Soil	10	56	1.48	168	0.089	<1	2.41	0.006	0.23	<0.1	<0.01	3.0	<0.1	<0.05	6	0.7	<0.2
1057541	Soil	9	52	0.99	76	0.067	1	2.25	0.009	0.08	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
1056292	Soil	13	55	1.29	100	0.058	<1	2.53	0.007	0.12	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
1056294	Soil	8	58	1.48	136	0.072	<1	2.49	0.007	0.19	<0.1	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
1057542	Soil	9	44	0.86	74	0.042	1	1.94	0.010	0.07	<0.1	0.06	1.8	<0.1	<0.05	6	<0.5	<0.2
1057539	Soil	13	47	0.95	122	0.073	1	2.02	0.015	0.07	<0.1	0.03	3.4	<0.1	<0.05	6	<0.5	<0.2
1057540	Soil	12	61	1.07	107	0.077	1	2.35	0.012	0.09	<0.1	0.04	3.6	0.1	<0.05	7	<0.5	<0.2
1057687	Soil	14	48	0.89	68	0.045	2	1.95	0.009	0.04	<0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
1057691	Soil	11	52	0.97	84	0.045	1	1.95	0.011	0.04	<0.1	0.04	2.5	<0.1	<0.05	6	<0.5	<0.2
1057683	Soil	12	47	0.95	73	0.050	<1	1.91	0.009	0.05	<0.1	<0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
1057695	Soil	10	44	0.80	84	0.051	1	1.64	0.009	0.04	<0.1	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
1061348	Soil	17	52	1.01	79	0.040	1	2.10	0.008	0.04	<0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
1057686	Soil	12	52	1.00	78	0.047	<1	2.05	0.009	0.04	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
1057689	Soil	20	49	0.79	99	0.029	1	1.91	0.009	0.03	<0.1	0.06	2.4	<0.1	<0.05	5	<0.5	<0.2
1057690	Soil	16	52	0.86	94	0.042	2	1.92	0.012	0.04	<0.1	0.04	2.6	<0.1	<0.05	6	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
1057688	Soil	0.9	45.8	8.5	79	0.2	40.6	15.4	461	3.13	11.4	1.1	5.5	2.7	24	0.2	0.4	0.2	52	0.30
1057694	Soil	1.2	39.5	9.0	75	0.2	39.4	19.2	905	3.22	10.8	1.1	2.5	1.7	29	0.2	0.5	0.2	55	0.36
1057693	Soil	1.0	27.2	7.5	72	0.1	36.2	13.0	407	2.74	7.7	0.8	3.2	1.8	28	<0.1	0.4	0.1	54	0.39
1061350	Soil	1.0	61.8	9.9	86	0.2	45.1	13.4	382	2.90	9.4	1.4	4.6	2.2	26	0.2	0.4	0.2	53	0.29
1060137	Soil	2.2	61.0	9.3	86	<0.1	71.3	24.5	627	3.42	24.7	0.9	1.7	0.7	33	0.2	0.7	0.2	61	0.37
1060136	Soil	1.6	74.1	8.7	98	<0.1	88.9	30.7	676	3.49	28.0	0.8	2.4	1.5	34	0.2	0.6	0.1	57	0.39
1061347	Soil	1.7	75.8	9.4	97	0.2	89.1	26.0	631	3.98	99.4	0.9	6.8	2.1	32	0.2	0.7	0.2	61	0.28
1057958	Soil	1.5	58.6	9.1	90	0.2	53.7	19.3	524	3.47	51.2	1.0	3.9	1.4	29	0.2	0.6	0.2	58	0.32
1057957	Soil	1.3	63.5	7.3	87	0.3	55.8	20.4	551	3.60	20.3	1.0	3.3	1.3	25	<0.1	0.4	0.2	60	0.35
1057959	Soil	1.5	80.2	8.2	89	0.2	68.2	27.5	486	3.23	21.9	0.8	8.1	0.9	27	0.3	0.5	0.2	57	0.39
1057956	Soil	0.7	52.3	4.2	75	<0.1	61.1	19.4	450	3.31	28.5	0.5	7.0	2.2	29	0.2	0.3	<0.1	55	0.44
1057955	Soil	1.6	84.9	7.4	85	0.2	82.5	24.8	599	3.69	24.1	0.7	2.0	1.2	31	0.1	0.4	0.1	59	0.35
1057961	Soil	1.5	53.1	9.2	94	0.3	53.6	18.0	509	3.61	24.1	0.8	5.0	1.5	39	0.2	0.4	0.2	54	0.30
1057954	Soil	1.1	79.6	8.3	113	0.1	86.2	27.1	757	4.48	26.8	0.7	10.3	2.1	28	0.1	0.5	0.2	79	0.37
1057953	Soil	1.2	79.6	9.2	115	0.2	77.6	25.5	700	4.35	23.8	1.0	0.7	4.3	121	0.2	0.4	0.2	50	0.39
1057952	Soil	1.7	84.6	9.7	97	0.1	93.8	31.2	765	3.60	24.5	1.0	<0.5	1.8	29	0.2	0.6	0.2	55	0.28
1057696	Soil	1.2	39.8	7.3	67	0.2	38.9	19.6	720	3.06	11.3	0.9	36.4	1.2	21	0.1	0.4	0.2	55	0.25
1057685	Soil	1.3	63.9	9.8	89	0.3	50.2	20.6	569	3.48	14.1	1.5	2.9	1.5	22	0.1	0.4	0.2	62	0.24
1057697	Soil	1.4	42.5	8.7	66	0.2	38.3	18.7	753	3.16	12.8	1.1	2.2	1.3	21	0.2	0.5	0.1	55	0.23
1057699	Soil	1.4	61.7	7.6	79	0.1	48.5	19.6	534	3.30	14.5	1.0	6.6	2.0	24	0.2	0.5	0.2	59	0.29
1057700	Soil	1.7	49.1	10.3	76	0.2	41.1	17.8	670	3.69	14.4	1.2	2.5	1.0	26	0.1	0.6	0.2	63	0.29
1057960	Soil	1.0	51.8	7.0	87	0.2	48.6	16.7	526	3.33	12.3	0.9	3.9	2.4	40	0.2	0.4	0.1	50	0.30
1057951	Soil	1.1	41.5	6.7	74	0.1	40.9	15.7	502	3.06	10.7	0.7	5.0	1.9	23	0.1	0.4	0.1	49	0.23
1057692	Soil	1.0	28.6	6.4	68	0.2	34.4	16.2	515	2.93	9.6	0.5	<0.5	1.5	23	<0.1	0.4	0.2	54	0.29
1057698	Soil	1.2	50.1	6.8	68	0.1	41.6	16.9	499	2.84	12.0	0.9	3.0	1.8	22	0.1	0.5	0.1	52	0.25
1061349	Soil	0.7	44.5	6.6	73	0.1	43.5	11.1	312	3.10	15.3	0.9	2.7	2.8	21	0.1	0.4	0.1	51	0.32
1061465	Soil	1.8	50.7	8.2	83	<0.1	46.9	16.2	417	3.84	14.5	1.0	6.1	1.7	26	<0.1	0.5	0.2	83	0.22
1061475	Soil	0.9	54.4	5.3	99	0.2	58.4	20.5	519	3.83	22.9	0.9	1.3	3.6	25	<0.1	0.3	0.2	84	0.23
1061478	Soil	1.1	55.8	5.2	94	<0.1	58.7	21.5	504	3.89	32.4	0.6	1.8	2.9	25	<0.1	0.3	0.2	86	0.29
1061471	Soil	1.3	67.4	6.3	97	0.2	68.0	21.2	500	3.98	24.2	1.0	1.2	2.6	33	0.1	0.4	0.2	76	0.33



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1057688	Soil	13	47	0.90	62	0.049	1	2.04	0.009	0.04	<0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
1057694	Soil	14	44	0.81	112	0.047	2	1.88	0.011	0.05	<0.1	0.06	3.0	0.1	<0.05	5	0.6	<0.2
1057693	Soil	10	41	0.79	86	0.049	1	1.69	0.010	0.04	<0.1	0.04	2.4	<0.1	<0.05	5	<0.5	<0.2
1061350	Soil	16	57	0.99	101	0.036	<1	2.19	0.009	0.04	<0.1	0.03	3.1	<0.1	<0.05	6	<0.5	<0.2
1060137	Soil	11	44	0.77	70	0.047	1	1.54	0.010	0.06	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1060136	Soil	12	46	0.84	64	0.060	2	1.62	0.010	0.06	<0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
1061347	Soil	12	67	1.03	79	0.032	<1	2.01	0.008	0.04	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
1057958	Soil	12	46	0.86	81	0.029	2	1.81	0.011	0.04	<0.1	0.04	2.4	<0.1	0.05	5	0.9	<0.2
1057957	Soil	11	56	1.01	71	0.025	<1	1.98	0.008	0.05	<0.1	0.04	2.6	<0.1	<0.05	6	0.7	<0.2
1057959	Soil	9	43	0.77	76	0.024	1	1.62	0.009	0.04	<0.1	0.03	1.8	<0.1	<0.05	5	0.8	<0.2
1057956	Soil	6	54	0.95	41	0.049	<1	1.50	0.007	0.08	<0.1	0.02	2.7	<0.1	<0.05	4	0.8	<0.2
1057955	Soil	8	70	0.99	65	0.037	1	1.83	0.006	0.07	<0.1	0.02	2.7	0.1	<0.05	5	0.9	<0.2
1057961	Soil	13	45	0.87	93	0.022	<1	1.83	0.007	0.05	<0.1	0.05	2.4	<0.1	<0.05	5	0.8	<0.2
1057954	Soil	10	92	1.45	72	0.048	<1	2.47	0.006	0.09	<0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
1057953	Soil	12	49	1.04	70	0.023	<1	2.14	0.006	0.05	<0.1	0.03	2.4	<0.1	<0.05	6	0.7	<0.2
1057952	Soil	13	47	0.80	76	0.031	<1	1.76	0.009	0.04	0.1	0.03	2.4	<0.1	<0.05	5	0.9	<0.2
1057696	Soil	9	46	0.76	78	0.038	<1	1.66	0.007	0.04	0.1	0.03	2.6	<0.1	<0.05	5	0.9	<0.2
1057685	Soil	18	55	0.99	102	0.032	<1	2.16	0.009	0.04	<0.1	0.03	3.2	<0.1	<0.05	6	0.5	<0.2
1057697	Soil	11	46	0.73	86	0.032	1	1.68	0.008	0.04	<0.1	0.05	2.5	<0.1	0.05	5	0.8	<0.2
1057699	Soil	13	46	0.78	72	0.048	<1	1.72	0.008	0.05	0.1	0.03	2.8	<0.1	<0.05	5	0.6	<0.2
1057700	Soil	16	52	0.83	109	0.034	<1	2.01	0.009	0.05	<0.1	0.06	2.7	0.1	0.06	6	0.6	<0.2
1057960	Soil	11	41	0.79	63	0.035	1	1.61	0.008	0.04	<0.1	0.03	2.4	<0.1	<0.05	5	0.7	<0.2
1057951	Soil	8	41	0.75	66	0.042	1	1.54	0.007	0.04	<0.1	0.03	2.1	<0.1	<0.05	4	1.1	<0.2
1057692	Soil	7	43	0.74	83	0.048	1	1.49	0.008	0.03	0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
1057698	Soil	10	41	0.67	65	0.039	<1	1.56	0.007	0.04	<0.1	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
1061349	Soil	10	60	0.91	64	0.048	<1	1.86	0.008	0.04	<0.1	0.02	3.0	<0.1	<0.05	5	0.5	<0.2
1061465	Soil	11	56	0.94	93	0.066	2	2.33	0.011	0.12	<0.1	0.04	3.1	0.2	<0.05	7	1.0	<0.2
1061475	Soil	9	69	1.15	121	0.091	1	2.25	0.009	0.28	<0.1	0.02	3.9	0.3	<0.05	7	0.8	<0.2
1061478	Soil	6	65	1.14	103	0.102	<1	2.43	0.008	0.30	<0.1	0.01	3.5	0.3	<0.05	7	0.7	<0.2
1061471	Soil	11	59	1.01	94	0.083	<1	2.10	0.013	0.23	<0.1	0.04	3.5	0.2	<0.05	7	0.8	<0.2



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Part 1

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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
1061473	Soil	1.0	63.0	5.3	101	0.3	67.3	26.2	570	4.17	20.2	1.0	4.8	3.8	27	<0.1	0.3	0.2	89	0.33
1061472	Soil	1.2	64.6	5.4	107	0.2	68.6	21.0	502	4.06	23.8	1.0	2.1	3.6	33	0.1	0.3	0.2	83	0.33
1061476	Soil	1.1	61.3	5.6	95	0.2	59.9	26.0	652	4.04	23.1	1.2	2.3	3.9	27	<0.1	0.3	0.2	84	0.26
1061474	Soil	0.8	59.0	5.8	104	0.2	62.8	21.7	534	3.98	25.9	1.0	2.6	3.8	29	<0.1	0.3	0.2	83	0.25
1061480	Soil	1.2	58.3	4.8	103	0.2	57.7	24.4	586	4.34	22.8	0.8	29.7	3.3	26	<0.1	0.2	0.2	88	0.31
1061477	Soil	1.8	54.6	6.0	74	0.3	48.5	17.2	326	3.58	21.4	1.2	3.6	1.6	32	<0.1	0.5	0.2	76	0.35
1061456	Soil	1.6	72.9	6.0	102	0.3	63.6	23.8	721	4.34	13.3	1.3	2.8	2.7	36	0.2	0.4	0.2	86	0.38
1061469	Soil	0.9	57.1	5.7	91	<0.1	71.1	20.8	461	3.96	26.9	0.7	1.8	2.6	30	0.2	0.5	0.2	75	0.23
1061482	Soil	0.8	59.6	4.1	103	0.2	56.9	19.2	466	3.86	17.2	0.8	4.2	3.6	22	<0.1	0.2	0.1	86	0.30
1061483	Soil	1.1	55.0	5.5	109	0.3	55.6	22.4	567	4.52	23.2	1.0	1.8	3.5	26	<0.1	0.3	0.2	97	0.28
1061466	Soil	1.3	46.7	6.5	84	<0.1	69.4	18.9	455	3.84	32.8	0.7	<0.5	1.8	33	0.1	0.5	0.2	77	0.33
1061481	Soil	1.0	48.0	4.7	89	0.2	43.8	15.9	414	3.69	21.2	0.8	4.0	2.5	31	0.2	0.2	0.1	91	0.31
1061468	Soil	1.1	57.8	7.0	92	0.2	71.9	20.4	471	3.76	30.3	0.8	3.1	2.3	28	0.1	0.4	0.2	71	0.26
1061479	Soil	1.2	58.5	5.5	97	0.3	56.8	19.2	455	3.69	23.3	0.9	4.5	3.1	25	<0.1	0.3	0.2	81	0.27
1061470	Soil	1.2	79.0	6.8	98	0.2	85.0	25.5	529	4.00	24.0	1.0	2.8	3.2	32	0.1	0.4	0.2	79	0.26
1061459	Soil	1.8	67.9	8.3	89	0.3	52.8	20.0	597	3.89	14.4	1.1	3.5	2.4	33	<0.1	0.6	0.2	69	0.25
1061467	Soil	0.8	55.5	5.3	86	0.1	82.3	19.9	453	3.61	29.6	0.8	9.2	2.7	23	0.1	0.4	0.1	73	0.20
1061457	Soil	1.3	64.8	5.8	96	0.2	57.8	20.1	625	3.88	14.1	1.0	2.8	3.4	29	0.2	0.3	0.2	82	0.30
1061458	Soil	1.3	78.1	6.6	93	0.3	68.4	26.4	599	3.75	16.6	1.1	3.0	3.0	32	0.1	0.4	0.2	68	0.26
1061460	Soil	1.3	64.7	7.2	99	0.1	60.5	21.1	638	4.05	14.0	1.1	3.6	3.1	28	0.1	0.5	0.2	75	0.20
1061463	Soil	2.1	48.8	8.5	75	0.1	44.0	14.8	419	3.40	13.7	1.0	8.6	1.3	28	<0.1	0.6	0.2	71	0.22
1061461	Soil	1.4	79.2	5.9	99	0.2	70.1	24.5	544	3.97	14.8	1.0	3.1	3.6	32	0.2	0.4	0.2	82	0.25
1061462	Soil	1.3	54.0	7.7	87	0.1	55.4	20.0	539	3.79	19.6	0.8	2.0	2.1	25	0.1	0.5	0.2	76	0.24
1061464	Soil	1.1	70.8	9.9	105	0.3	72.6	24.6	656	4.24	61.3	1.1	5.2	3.7	57	<0.1	0.5	0.2	71	0.31
1061455	Soil	1.9	67.0	7.5	97	0.3	61.2	22.9	640	3.73	12.8	1.1	1.7	1.7	34	0.2	0.5	0.2	81	0.43
1061452	Soil	1.3	67.3	5.8	100	0.2	56.4	21.1	638	3.92	16.2	1.0	2.8	3.8	27	0.2	0.4	0.3	80	0.28
1061451	Soil	1.8	42.5	7.7	75	0.2	36.3	14.9	565	3.22	10.9	1.0	2.8	1.4	30	0.2	0.7	0.2	66	0.35
1061454	Soil	1.6	71.3	7.2	102	0.2	78.0	29.3	674	4.18	14.0	1.0	3.4	2.3	30	0.1	0.5	0.2	91	0.32
1061453	Soil	1.7	52.4	8.0	83	0.2	41.5	19.0	726	3.60	14.1	0.9	1.5	1.1	34	0.1	0.6	0.2	79	0.46
1060164	Soil	0.8	53.0	5.3	87	0.2	44.9	13.6	667	3.71	50.2	0.5	6.4	1.5	23	0.2	0.2	0.1	49	0.33



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1061473	Soil	11	78	1.26	134	0.101	1	2.45	0.010	0.32	<0.1	0.03	4.4	0.3	<0.05	7	<0.5	<0.2
1061472	Soil	11	65	1.16	113	0.090	<1	2.27	0.011	0.29	<0.1	0.03	4.0	0.3	<0.05	7	0.6	<0.2
1061476	Soil	10	69	1.21	129	0.089	<1	2.50	0.010	0.27	<0.1	0.04	4.2	0.3	<0.05	7	0.7	<0.2
1061474	Soil	10	70	1.19	137	0.091	<1	2.42	0.008	0.32	<0.1	0.03	4.2	0.3	<0.05	7	0.8	<0.2
1061480	Soil	8	68	1.22	131	0.101	<1	2.46	0.008	0.32	<0.1	0.03	4.0	0.3	<0.05	8	0.8	<0.2
1061477	Soil	11	53	0.82	141	0.071	<1	1.84	0.010	0.12	<0.1	0.05	3.0	0.2	0.05	7	0.6	<0.2
1061456	Soil	14	58	1.05	127	0.089	<1	2.21	0.017	0.26	<0.1	0.04	3.6	0.3	0.09	7	1.3	<0.2
1061469	Soil	8	62	1.06	113	0.093	<1	2.24	0.012	0.25	<0.1	0.02	3.4	0.2	<0.05	7	0.7	<0.2
1061482	Soil	9	77	1.35	143	0.120	<1	2.54	0.006	0.46	<0.1	0.02	4.4	0.3	<0.05	8	<0.5	<0.2
1061483	Soil	9	75	1.28	155	0.119	<1	2.73	0.009	0.34	<0.1	0.04	4.7	0.4	<0.05	9	0.6	<0.2
1061466	Soil	8	64	1.00	112	0.075	<1	2.19	0.010	0.19	<0.1	0.03	3.3	0.2	<0.05	6	0.7	<0.2
1061481	Soil	8	67	1.13	195	0.117	<1	2.23	0.011	0.47	<0.1	0.03	4.0	0.3	<0.05	8	0.9	<0.2
1061468	Soil	8	64	0.97	108	0.069	<1	2.10	0.010	0.16	<0.1	0.04	3.3	0.2	<0.05	6	<0.5	<0.2
1061479	Soil	7	68	1.14	119	0.094	<1	2.28	0.008	0.29	<0.1	0.03	3.8	0.3	<0.05	6	<0.5	<0.2
1061470	Soil	12	65	1.02	97	0.089	<1	2.06	0.012	0.28	<0.1	0.04	3.8	0.2	<0.05	6	<0.5	<0.2
1061459	Soil	14	49	0.91	83	0.056	<1	2.01	0.013	0.14	<0.1	0.04	3.0	0.2	<0.05	6	<0.5	<0.2
1061467	Soil	9	78	1.05	95	0.089	<1	2.08	0.008	0.23	<0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
1061457	Soil	12	62	1.13	136	0.099	<1	2.05	0.013	0.33	0.1	0.02	3.9	0.2	<0.05	7	<0.5	<0.2
1061458	Soil	15	49	0.91	89	0.075	<1	1.91	0.013	0.16	<0.1	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
1061460	Soil	12	61	0.99	95	0.080	<1	2.11	0.011	0.20	<0.1	0.04	3.4	0.2	<0.05	6	<0.5	<0.2
1061463	Soil	9	51	0.77	83	0.054	<1	1.84	0.010	0.12	<0.1	0.05	2.4	0.1	<0.05	6	0.6	<0.2
1061461	Soil	15	62	1.06	116	0.095	<1	2.22	0.013	0.28	<0.1	0.03	3.8	0.2	<0.05	6	<0.5	<0.2
1061462	Soil	9	58	0.98	98	0.082	<1	2.04	0.012	0.18	<0.1	0.04	3.2	0.2	<0.05	6	<0.5	<0.2
1061464	Soil	13	67	1.28	90	0.054	<1	2.71	0.016	0.18	<0.1	0.02	4.1	0.2	<0.05	7	<0.5	<0.2
1061455	Soil	13	56	0.95	127	0.082	<1	1.91	0.016	0.21	<0.1	0.04	3.4	0.2	0.07	6	0.5	<0.2
1061452	Soil	13	61	1.08	139	0.105	<1	2.17	0.019	0.30	<0.1	0.02	3.7	0.2	0.05	6	<0.5	<0.2
1061451	Soil	10	48	0.78	108	0.060	1	1.71	0.014	0.14	<0.1	0.04	2.7	0.2	0.08	6	<0.5	<0.2
1061454	Soil	10	70	1.16	143	0.104	<1	2.26	0.014	0.27	<0.1	0.05	3.7	0.2	<0.05	7	<0.5	<0.2
1061453	Soil	9	54	0.92	150	0.070	<1	1.80	0.015	0.17	<0.1	0.07	2.8	0.2	0.10	6	<0.5	<0.2
1060164	Soil	7	47	1.28	72	0.036	<1	2.02	0.005	0.06	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
1060180	Soil	1.5	42.8	6.9	113	0.2	51.1	17.2	627	3.48	60.9	1.2	1.9	0.6	46	0.2	0.3	0.1	53	0.70	0.114
1060166	Soil	0.8	48.2	5.9	95	0.1	44.4	14.0	622	3.88	35.7	0.6	14.0	1.5	23	<0.1	0.2	0.1	51	0.33	0.076
1060165	Soil	0.8	52.0	5.0	88	0.1	45.2	14.5	682	3.90	50.8	0.5	4.0	1.6	22	0.1	0.3	0.1	52	0.31	0.085
1060167	Soil	0.9	40.7	6.9	91	0.2	43.8	14.2	600	3.67	19.4	0.7	1.5	0.8	21	<0.1	0.3	0.1	57	0.26	0.080
1060183	Soil	1.4	45.8	8.3	88	0.2	49.8	17.9	642	3.91	12.7	0.7	2.4	2.2	23	<0.1	0.3	0.2	59	0.26	0.081
1060181	Soil	1.0	40.6	6.6	74	<0.1	49.0	15.7	499	3.46	14.8	0.6	1.6	1.0	36	<0.1	0.3	0.1	49	0.25	0.068
1060182	Soil	1.1	58.2	6.9	88	0.2	63.1	17.7	529	3.75	12.2	0.8	1.9	1.5	27	<0.1	0.2	0.2	54	0.36	0.079
1060184	Soil	0.9	44.7	6.0	86	0.1	53.4	15.0	514	3.67	10.2	0.6	2.4	2.6	26	<0.1	0.2	0.2	54	0.31	0.071
1060163	Soil	0.8	50.8	5.8	87	<0.1	45.6	14.1	649	3.84	47.2	0.6	2.5	1.6	19	<0.1	0.3	0.1	52	0.25	0.077
1060169	Soil	0.8	42.2	5.7	87	0.1	41.8	14.5	588	3.56	14.1	0.7	21.4	0.7	25	0.2	0.2	0.1	56	0.29	0.088
1060168	Soil	1.0	43.2	6.7	82	0.1	43.7	15.3	604	3.58	15.4	0.8	6.3	0.8	25	<0.1	0.3	0.2	56	0.29	0.082
1060170	Soil	1.2	41.7	5.7	84	<0.1	39.9	16.1	687	3.78	19.2	0.5	17.7	1.0	20	0.1	0.2	0.1	57	0.24	0.062
1060171	Soil	1.1	40.9	6.4	83	<0.1	40.2	16.5	729	3.81	19.2	0.6	0.6	0.8	21	0.1	0.3	0.1	58	0.25	0.068
1060173	Soil	1.2	36.4	6.5	75	0.1	36.9	18.0	832	3.30	15.7	0.7	<0.5	0.5	27	0.1	0.2	0.1	52	0.40	0.104
1060172	Soil	1.2	40.4	7.0	84	0.2	40.2	15.6	714	3.68	20.5	0.8	0.6	0.7	24	<0.1	0.3	0.1	55	0.29	0.104
1060156	Soil	1.3	66.9	10.8	88	0.2	48.4	21.0	796	3.87	32.5	0.9	1.6	1.3	29	0.2	0.7	0.2	67	0.32	0.087
1060158	Soil	1.3	67.2	12.1	100	0.2	54.8	23.5	843	4.00	58.8	0.9	2.7	1.3	33	0.2	0.5	0.2	61	0.42	0.085
1060161	Soil	0.8	48.3	6.6	89	0.1	44.3	14.9	604	3.54	30.4	0.6	1.7	1.2	23	0.1	0.3	0.1	56	0.30	0.073
1060160	Soil	1.0	48.8	7.6	87	<0.1	49.2	15.2	584	3.48	21.4	0.7	4.2	1.5	19	0.2	0.4	0.2	55	0.25	0.088
1060162	Soil	0.9	53.1	6.2	91	0.1	48.1	15.2	683	3.84	43.1	0.6	5.9	1.5	19	0.2	0.3	0.1	54	0.26	0.086
1060152	Soil	1.4	69.0	9.7	78	0.1	46.5	19.7	592	3.54	29.3	0.7	3.7	1.2	25	0.2	0.6	0.2	54	0.24	0.088
1060154	Soil	1.4	86.4	10.5	95	0.2	65.1	24.6	707	3.86	31.8	0.8	15.5	1.4	31	0.2	0.5	0.2	54	0.37	0.100
1060151	Soil	1.2	46.2	7.6	66	<0.1	40.3	16.6	486	3.14	16.1	0.5	4.2	1.5	20	<0.1	0.6	0.1	54	0.22	0.043
1060159	Soil	1.1	53.8	8.9	96	0.2	55.3	19.3	680	3.73	22.3	0.7	7.4	1.9	21	0.2	0.5	0.2	63	0.30	0.092
1060157	Soil	1.1	69.7	9.7	94	0.2	53.1	20.9	779	4.15	34.1	0.8	2.5	1.8	27	0.2	0.5	0.2	66	0.31	0.080
1060177	Soil	0.6	58.1	5.7	104	<0.1	64.2	20.6	670	4.10	18.4	0.5	3.8	2.5	24	0.2	0.2	0.1	55	0.36	0.112
1060176	Soil	0.8	52.8	4.7	87	<0.1	51.7	18.7	734	4.04	17.5	0.5	3.0	1.5	24	0.1	0.2	<0.1	54	0.38	0.103
1060174	Soil	1.0	43.0	5.7	88	0.1	42.9	17.2	663	3.98	21.5	0.6	4.0	0.6	23	<0.1	0.2	0.1	59	0.30	0.085
1060175	Soil	0.8	55.7	4.5	91	<0.1	51.6	18.1	703	4.14	17.6	0.5	2.1	1.7	21	<0.1	0.2	0.1	57	0.29	0.083
1060153	Soil	1.5	78.3	10.8	89	0.3	53.6	21.2	665	3.87	27.8	0.9	4.5	1.4	31	0.2	0.5	0.2	56	0.28	0.084



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1060180	Soil	9	62	1.13	101	0.027	<1	2.05	0.008	0.06	<0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
1060166	Soil	6	48	1.25	75	0.039	<1	2.09	0.005	0.06	<0.1	0.03	2.8	<0.1	<0.05	6	<0.5	<0.2
1060165	Soil	7	52	1.41	70	0.043	<1	2.30	0.005	0.06	<0.1	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
1060167	Soil	7	54	1.17	89	0.040	<1	2.17	0.006	0.05	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
1060183	Soil	7	61	1.18	77	0.048	<1	2.23	0.007	0.05	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
1060181	Soil	5	52	1.00	82	0.031	1	1.97	0.008	0.03	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
1060182	Soil	7	64	1.17	78	0.037	<1	2.09	0.006	0.05	<0.1	0.03	2.4	<0.1	<0.05	6	<0.5	<0.2
1060184	Soil	7	55	1.12	86	0.044	<1	2.07	0.009	0.05	<0.1	0.01	3.0	<0.1	<0.05	6	<0.5	<0.2
1060163	Soil	7	52	1.29	68	0.044	<1	2.12	0.005	0.07	<0.1	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
1060169	Soil	8	50	1.04	101	0.037	<1	1.88	0.006	0.05	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
1060168	Soil	8	51	1.12	106	0.037	<1	2.04	0.007	0.05	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
1060170	Soil	6	51	1.16	75	0.047	<1	2.05	0.005	0.05	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
1060171	Soil	6	52	1.18	80	0.045	<1	2.06	0.005	0.05	<0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2
1060173	Soil	7	45	1.00	95	0.030	<1	1.77	0.008	0.04	<0.1	0.02	1.7	<0.1	<0.05	5	<0.5	<0.2
1060172	Soil	7	52	1.12	107	0.023	<1	2.01	0.006	0.04	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
1060156	Soil	10	47	0.91	122	0.046	<1	2.06	0.011	0.06	<0.1	0.04	3.2	<0.1	<0.05	6	<0.5	<0.2
1060158	Soil	12	53	1.10	144	0.036	<1	2.39	0.010	0.07	<0.1	0.04	3.3	<0.1	<0.05	6	<0.5	<0.2
1060161	Soil	8	51	1.17	83	0.049	<1	2.04	0.006	0.07	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
1060160	Soil	9	52	1.08	74	0.044	2	2.06	0.006	0.05	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
1060162	Soil	8	52	1.33	82	0.042	1	2.20	0.005	0.09	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
1060152	Soil	9	39	0.86	99	0.030	2	1.81	0.009	0.05	<0.1	0.05	2.2	<0.1	<0.05	5	0.5	<0.2
1060154	Soil	11	45	0.99	92	0.035	1	2.01	0.010	0.06	<0.1	0.02	2.7	<0.1	<0.05	5	0.6	<0.2
1060151	Soil	7	37	0.78	84	0.051	1	1.54	0.010	0.04	<0.1	0.02	2.3	<0.1	<0.05	5	0.5	<0.2
1060159	Soil	9	56	1.11	96	0.052	1	2.36	0.007	0.05	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1060157	Soil	11	49	1.16	116	0.050	<1	2.37	0.008	0.09	<0.1	0.03	3.5	<0.1	<0.05	6	<0.5	<0.2
1060177	Soil	6	68	1.42	72	0.050	<1	2.34	0.005	0.07	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
1060176	Soil	7	59	1.45	95	0.051	<1	2.28	0.006	0.11	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
1060174	Soil	6	57	1.40	110	0.039	1	2.43	0.005	0.08	<0.1	0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
1060175	Soil	7	58	1.55	100	0.063	<1	2.57	0.004	0.13	<0.1	<0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
1060153	Soil	12	43	0.94	96	0.039	1	2.00	0.009	0.05	<0.1	0.05	2.6	<0.1	<0.05	5	0.5	<0.2



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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1060178	Soil	1.1	45.9	6.2	92	<0.1	60.1	20.0	777	4.05	17.6	0.6	3.3	0.8	25	0.2	0.2	0.1	59	0.34	0.095
1060179	Soil	1.5	48.8	6.5	103	0.2	63.2	19.0	689	4.20	27.6	0.7	3.0	0.8	28	0.1	0.2	0.1	64	0.42	0.095
1060155	Soil	1.7	49.5	9.2	69	0.2	33.2	18.7	824	3.19	21.4	0.7	3.6	0.5	29	0.2	0.5	0.1	58	0.36	0.094
1060696	Soil	1.5	70.3	11.4	81	0.2	51.5	20.6	703	3.83	19.8	1.4	3.8	2.0	29	0.2	0.6	0.2	61	0.38	0.089
1060700	Soil	2.5	58.0	10.8	76	0.2	38.9	17.4	639	3.68	15.5	1.3	5.5	1.0	28	0.2	0.7	0.2	70	0.34	0.091
1060699	Soil	2.6	68.6	13.0	100	0.3	54.3	18.0	565	4.07	20.7	1.3	2.0	0.4	30	0.4	0.9	0.2	62	0.39	0.154
1060695	Soil	1.2	82.5	11.4	109	0.3	69.7	22.6	708	4.14	26.7	1.1	3.6	4.3	34	0.2	0.4	0.2	48	0.40	0.081
1060697	Soil	1.3	83.7	10.3	108	0.4	77.8	27.1	688	4.51	28.9	1.1	4.4	2.8	37	0.3	0.4	0.3	48	0.64	0.142
1060698	Soil	1.5	100.7	11.9	139	<0.1	88.6	27.3	814	5.64	27.6	1.3	3.8	9.6	10	0.2	0.2	0.3	48	0.06	0.034
1060694	Soil	1.4	67.2	11.0	98	0.3	62.0	22.3	441	3.99	18.1	1.1	11.3	4.5	24	0.2	0.5	0.2	56	0.33	0.067
1060693	Soil	1.5	64.0	10.8	98	0.2	58.9	22.7	536	4.10	20.5	1.0	3.0	4.1	25	0.2	0.5	0.2	56	0.33	0.074
1060690	Soil	1.2	46.1	9.8	87	<0.1	48.5	19.7	630	3.89	20.3	1.0	4.3	2.9	18	0.2	0.5	0.2	54	0.20	0.070
1060681	Soil	1.4	60.6	10.2	85	<0.1	59.4	19.1	577	3.78	20.6	0.7	4.9	2.5	22	0.3	0.7	0.2	60	0.23	0.038
1060680	Soil	2.0	64.0	13.9	95	0.2	57.5	22.8	773	3.79	27.7	1.2	3.3	1.5	27	0.3	0.8	0.3	59	0.29	0.098
1060683	Soil	1.7	33.6	13.1	81	0.1	35.1	13.7	455	3.77	19.0	0.7	4.2	1.1	20	0.2	0.6	0.2	65	0.23	0.054
1060675	Soil	1.4	48.7	11.5	84	0.3	58.6	20.3	567	3.70	19.9	0.7	2.5	1.4	28	0.2	0.6	0.2	61	0.34	0.044
1060676	Soil	1.6	53.6	10.5	81	0.2	66.9	23.4	688	3.72	24.0	0.7	4.1	1.6	27	0.2	0.8	0.2	59	0.37	0.061
1060677	Soil	1.7	34.1	9.8	71	<0.1	36.9	16.8	554	3.16	28.4	0.7	2.0	1.4	20	0.2	0.7	0.2	59	0.22	0.046
1060678	Soil	2.4	38.5	10.8	96	0.1	36.7	15.6	627	3.55	16.6	0.8	2.6	0.7	30	0.5	0.8	0.2	67	0.29	0.077
1060679	Soil	1.7	50.5	15.8	82	0.1	53.8	21.2	685	3.45	16.3	0.9	3.7	1.7	27	0.2	0.7	0.3	57	0.33	0.061
1060684	Soil	2.0	47.8	14.4	90	<0.1	51.3	20.3	642	4.05	19.5	0.8	5.6	1.8	20	0.3	0.8	0.3	65	0.17	0.052
1060686	Soil	1.3	60.3	9.8	97	0.1	58.4	19.0	648	3.65	22.7	1.0	11.6	2.5	25	0.3	0.6	0.2	59	0.30	0.081
1060688	Soil	1.8	40.9	10.6	91	0.2	41.0	20.4	614	3.69	19.6	0.7	2.6	0.9	25	0.3	0.6	0.2	63	0.34	0.074
1060689	Soil	1.7	54.5	9.1	75	0.6	41.1	15.9	524	3.15	27.1	1.3	3.8	1.1	27	0.3	0.6	0.2	61	0.37	0.061
1060692	Soil	1.4	48.4	9.2	79	0.2	40.3	14.9	481	3.48	16.8	0.9	3.1	1.9	27	0.3	0.5	0.2	52	0.34	0.072
1060671	Soil	2.0	43.7	11.5	70	0.1	44.8	16.8	577	3.43	13.2	0.7	0.8	0.9	21	0.1	0.7	0.2	57	0.24	0.064
1060682	Soil	1.0	52.9	9.2	75	0.2	46.8	16.7	507	3.11	18.6	0.7	2.4	2.0	23	0.2	0.6	0.1	51	0.29	0.039
1060687	Soil	1.4	63.8	9.3	95	0.3	59.3	16.6	544	3.56	17.2	0.9	2.6	2.5	24	0.2	0.4	0.2	47	0.30	0.077
1060691	Soil	1.2	53.5	8.5	83	0.2	49.2	16.6	539	3.55	16.1	1.0	11.6	3.0	25	<0.1	0.5	0.2	50	0.32	0.060
1060685	Soil	1.3	34.0	9.9	67	0.1	33.4	12.9	363	3.36	17.0	0.7	1.4	1.0	24	0.2	0.6	0.1	55	0.30	0.056



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1060178	Soil	7	74	1.49	88	0.041	1	2.33	0.005	0.05	<0.1	<0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
1060179	Soil	6	79	1.50	118	0.032	1	2.53	0.008	0.06	<0.1	0.01	2.2	<0.1	<0.05	6	0.7	<0.2
1060155	Soil	8	35	0.67	117	0.030	<1	1.58	0.010	0.04	<0.1	0.04	1.8	<0.1	0.08	5	<0.5	<0.2
1060696	Soil	17	50	0.92	123	0.029	<1	2.18	0.010	0.06	<0.1	0.06	3.2	<0.1	<0.05	6	0.8	<0.2
1060700	Soil	16	51	0.86	144	0.036	2	2.10	0.009	0.06	<0.1	0.02	3.1	<0.1	<0.05	6	0.9	<0.2
1060699	Soil	16	50	0.87	137	0.012	<1	1.93	0.008	0.05	0.1	0.03	0.9	<0.1	0.05	6	0.8	<0.2
1060695	Soil	15	45	1.04	55	0.031	1	1.95	0.013	0.06	<0.1	0.03	2.8	<0.1	<0.05	6	0.7	<0.2
1060697	Soil	16	53	1.06	39	0.015	<1	2.48	0.006	0.06	<0.1	0.07	2.2	<0.1	0.06	6	1.3	<0.2
1060698	Soil	15	53	1.34	55	0.006	<1	3.04	0.004	0.05	<0.1	0.02	2.8	<0.1	<0.05	8	0.8	<0.2
1060694	Soil	15	52	1.08	128	0.028	<1	2.31	0.008	0.04	<0.1	0.03	3.2	<0.1	<0.05	6	1.1	<0.2
1060693	Soil	15	52	1.07	125	0.028	<1	2.31	0.008	0.04	<0.1	0.03	3.2	<0.1	<0.05	6	0.9	<0.2
1060690	Soil	12	52	0.99	62	0.037	1	2.08	0.007	0.05	<0.1	0.04	2.6	<0.1	<0.05	5	<0.5	<0.2
1060681	Soil	10	51	0.98	109	0.055	1	2.16	0.010	0.05	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1060680	Soil	13	50	0.93	108	0.028	<1	2.10	0.010	0.05	<0.1	0.04	2.5	<0.1	<0.05	6	0.7	<0.2
1060683	Soil	8	46	0.77	90	0.046	<1	1.92	0.007	0.04	0.1	0.04	2.3	<0.1	<0.05	6	0.7	<0.2
1060675	Soil	9	48	0.93	84	0.046	1	1.96	0.009	0.06	<0.1	0.02	2.5	<0.1	<0.05	5	0.6	<0.2
1060676	Soil	9	48	0.96	93	0.042	2	2.09	0.009	0.05	<0.1	0.04	2.7	<0.1	<0.05	5	0.7	<0.2
1060677	Soil	9	44	0.81	100	0.057	<1	1.93	0.009	0.04	0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
1060678	Soil	9	46	0.84	143	0.035	<1	1.93	0.008	0.04	<0.1	0.02	2.0	<0.1	<0.05	6	0.6	<0.2
1060679	Soil	9	46	0.91	103	0.034	2	1.85	0.009	0.04	<0.1	0.03	2.6	<0.1	<0.05	5	0.7	<0.2
1060684	Soil	10	53	1.00	51	0.052	<1	2.13	0.009	0.05	0.1	0.02	2.4	<0.1	<0.05	6	0.6	<0.2
1060686	Soil	12	51	1.00	111	0.046	2	2.06	0.010	0.04	<0.1	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
1060688	Soil	8	48	0.90	112	0.036	<1	2.03	0.008	0.05	<0.1	0.03	2.2	<0.1	<0.05	6	<0.5	<0.2
1060689	Soil	17	47	0.85	82	0.041	<1	1.87	0.010	0.05	<0.1	0.04	2.7	<0.1	<0.05	5	0.9	<0.2
1060692	Soil	10	46	0.82	104	0.025	1	1.81	0.010	0.05	<0.1	0.02	2.7	<0.1	0.06	5	<0.5	<0.2
1060671	Soil	8	40	0.75	88	0.033	1	1.68	0.007	0.04	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
1060682	Soil	9	41	0.83	77	0.041	<1	1.69	0.010	0.05	<0.1	0.03	2.9	<0.1	<0.05	4	0.8	<0.2
1060687	Soil	13	50	0.96	71	0.026	1	1.99	0.007	0.05	<0.1	0.02	3.0	<0.1	<0.05	5	0.7	<0.2
1060691	Soil	15	47	0.94	93	0.035	<1	2.02	0.011	0.05	<0.1	0.04	3.5	<0.1	<0.05	5	0.5	<0.2
1060685	Soil	8	43	0.77	60	0.035	<1	1.73	0.008	0.05	0.1	0.07	2.1	<0.1	<0.05	5	<0.5	<0.2



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Part 1

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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1060669	Soil	3.1	38.4	12.2	88	0.1	36.4	17.1	654	3.49	16.8	0.9	1.6	0.5	32	0.1	1.1	0.2	67	0.41	0.104
1060672	Soil	1.0	45.3	9.7	100	0.1	56.1	18.5	760	3.87	17.3	0.7	<0.5	3.5	26	<0.1	0.3	0.2	42	0.31	0.079
1060670	Soil	1.5	51.5	11.1	84	0.2	50.1	19.4	763	3.74	17.1	0.8	0.7	1.0	23	0.2	0.5	0.2	52	0.28	0.089
1060674	Soil	2.1	44.7	10.8	100	0.2	40.2	18.6	727	3.39	16.7	0.8	1.4	1.0	22	0.6	0.8	0.2	60	0.26	0.069
1060673	Soil	1.4	48.4	10.9	81	0.4	61.8	20.6	556	3.63	16.7	0.6	2.0	1.6	21	0.3	0.6	0.2	66	0.30	0.031
1057723	Soil	1.2	63.4	6.5	85	0.2	40.3	21.6	554	3.69	15.2	0.6	4.3	1.0	23	0.2	0.6	0.1	88	0.36	0.073
1057724	Soil	1.0	68.2	5.0	84	<0.1	39.3	23.2	627	4.16	30.9	0.4	3.7	0.8	23	<0.1	0.5	<0.1	90	0.33	0.057
1060668	Soil	0.9	70.7	9.5	88	0.1	67.7	23.0	731	3.77	53.7	0.6	1.3	3.3	22	<0.1	0.2	0.1	31	0.29	0.036
1057727	Soil	1.0	68.3	9.3	105	<0.1	93.9	30.6	815	4.41	35.4	0.7	1.3	2.7	26	0.2	0.5	0.1	87	0.21	0.044
1057726	Soil	0.5	45.8	3.9	101	<0.1	69.4	22.8	733	4.54	15.5	0.3	2.1	1.3	26	0.1	0.3	<0.1	104	0.25	0.051
1057725	Soil	0.9	61.7	5.5	89	<0.1	59.9	18.4	498	3.94	26.1	0.5	2.5	1.7	14	0.1	0.4	0.1	79	0.18	0.034
1057721	Soil	1.2	51.8	6.4	88	<0.1	57.3	21.3	611	3.97	10.5	0.6	2.3	2.3	22	<0.1	0.5	0.1	85	0.28	0.063
1057722	Soil	1.5	75.1	8.8	86	0.1	67.8	23.9	455	3.41	18.6	0.7	1.7	2.5	38	0.1	0.7	0.1	55	0.26	0.049
1057720	Soil	1.1	51.2	6.5	86	0.1	58.9	21.4	497	3.54	11.9	0.7	3.2	2.4	25	0.2	0.5	0.1	62	0.28	0.052
1057719	Soil	1.0	48.2	5.8	79	<0.1	50.5	18.0	510	3.28	42.2	0.7	3.3	2.8	24	0.2	0.5	<0.1	61	0.30	0.070
1057716	Soil	1.0	51.3	7.0	85	<0.1	62.8	22.9	571	3.52	12.1	0.5	2.8	2.1	21	0.1	0.5	<0.1	78	0.29	0.067
1057718	Soil	1.0	66.2	9.5	120	0.2	76.8	28.2	576	4.01	17.4	1.1	1.7	4.0	33	0.2	0.6	0.2	58	0.39	0.091
1057717	Soil	1.0	40.0	5.2	69	<0.1	35.5	13.5	408	2.82	9.2	0.7	4.5	2.6	29	0.2	0.5	<0.1	55	0.36	0.109
1057714	Soil	0.9	77.6	7.3	117	0.1	80.1	32.6	746	4.36	16.3	0.7	3.1	3.3	25	0.2	0.6	0.1	76	0.29	0.059
1057712	Soil	1.0	62.2	6.4	99	<0.1	65.6	24.5	528	4.01	19.2	0.8	4.7	3.2	20	0.1	0.5	0.1	75	0.22	0.047
1057713	Soil	1.2	55.0	5.3	95	<0.1	45.6	16.1	468	4.31	6.8	0.7	2.7	3.2	19	0.1	0.4	0.1	83	0.23	0.041
1057733	Soil	1.7	32.8	7.2	56	0.2	26.8	11.2	375	2.75	8.5	0.8	1.5	0.3	30	0.2	0.7	0.1	57	0.43	0.129
1057732	Soil	1.3	54.3	6.5	94	0.1	44.0	17.0	562	4.29	8.4	0.8	11.1	2.2	25	0.1	0.5	0.1	91	0.28	0.083
1057715	Soil	1.0	76.5	7.0	112	0.1	81.0	32.7	753	4.47	15.8	0.7	<0.5	3.2	25	0.2	0.7	0.1	75	0.29	0.056
1057711	Soil	1.7	43.3	9.0	78	<0.1	43.9	17.3	495	3.47	21.9	0.7	4.3	1.4	25	0.1	0.8	0.1	65	0.25	0.064
1057729	Soil	1.5	38.1	8.8	78	<0.1	40.4	15.2	445	3.40	13.0	0.7	2.8	0.9	31	0.2	0.8	0.1	62	0.28	0.074
1057728	Soil	1.0	49.5	6.8	83	0.1	58.2	18.4	487	3.17	12.2	0.6	4.8	2.3	26	0.3	0.6	0.1	55	0.30	0.078
1057730	Soil	1.6	52.0	8.5	86	<0.1	44.5	18.5	569	3.86	15.4	0.7	4.6	1.5	28	0.2	0.7	0.1	73	0.25	0.066
1057731	Soil	1.4	42.0	8.4	78	0.1	42.1	17.2	514	3.29	11.5	0.7	2.7	1.6	24	0.2	0.7	0.1	62	0.27	0.055
1084175	Soil	1.4	48.6	9.3	94	0.1	48.2	17.0	608	3.28	32.1	0.7	8.5	2.4	17	0.2	0.5	0.1	45	0.21	0.079



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1060669	Soil	8	43	0.73	127	0.026	1	1.60	0.010	0.05	0.1	0.06	1.9	0.1	0.07	6	0.5	<0.2
1060672	Soil	10	45	0.97	51	0.027	<1	1.96	0.003	0.05	<0.1	<0.01	2.3	<0.1	<0.05	6	<0.5	<0.2
1060670	Soil	10	48	0.93	99	0.024	<1	1.99	0.007	0.05	<0.1	0.02	2.4	<0.1	<0.05	6	0.8	<0.2
1060674	Soil	9	44	0.80	89	0.039	<1	1.70	0.009	0.05	0.1	0.02	2.3	<0.1	<0.05	6	0.6	<0.2
1060673	Soil	9	47	0.87	64	0.062	1	1.97	0.007	0.06	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1057723	Soil	7	56	1.15	217	0.096	<1	2.24	0.010	0.29	<0.1	0.04	3.8	0.2	<0.05	7	0.6	<0.2
1057724	Soil	5	49	1.64	269	0.127	2	2.75	0.010	0.32	<0.1	0.01	2.8	0.1	<0.05	8	<0.5	<0.2
1060668	Soil	7	43	1.15	67	0.014	<1	2.15	0.003	0.04	<0.1	<0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
1057727	Soil	10	73	1.24	118	0.116	<1	2.42	0.009	0.26	<0.1	0.01	4.8	0.2	<0.05	7	0.6	<0.2
1057726	Soil	5	109	1.82	241	0.160	<1	2.95	0.007	0.57	<0.1	<0.01	5.3	0.3	<0.05	9	<0.5	<0.2
1057725	Soil	6	67	1.26	128	0.132	<1	2.30	0.007	0.46	<0.1	<0.01	3.7	0.2	<0.05	7	<0.5	<0.2
1057721	Soil	9	71	1.16	139	0.109	1	2.21	0.011	0.23	<0.1	0.02	4.1	0.2	<0.05	6	<0.5	<0.2
1057722	Soil	12	40	0.79	85	0.058	<1	1.78	0.010	0.08	<0.1	0.02	2.7	<0.1	<0.05	5	0.7	<0.2
1057720	Soil	10	49	0.92	79	0.073	1	1.93	0.011	0.11	<0.1	0.02	3.0	0.1	<0.05	5	<0.5	<0.2
1057719	Soil	10	45	0.85	90	0.086	<1	1.73	0.011	0.15	<0.1	0.01	3.0	0.1	<0.05	5	0.6	<0.2
1057716	Soil	8	65	1.09	129	0.119	<1	1.96	0.010	0.28	<0.1	<0.01	3.9	0.2	<0.05	6	<0.5	<0.2
1057718	Soil	17	50	1.03	77	0.048	<1	2.33	0.009	0.12	<0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
1057717	Soil	12	37	0.68	63	0.069	1	1.42	0.014	0.07	<0.1	0.02	2.7	<0.1	<0.05	4	<0.5	<0.2
1057714	Soil	13	58	1.14	133	0.115	2	2.39	0.012	0.29	<0.1	0.01	3.7	0.3	0.06	7	<0.5	<0.2
1057712	Soil	11	55	1.05	108	0.124	<1	2.13	0.009	0.26	<0.1	0.01	3.3	0.3	<0.05	6	<0.5	<0.2
1057713	Soil	10	61	1.10	124	0.140	1	2.23	0.012	0.41	<0.1	0.02	3.7	0.3	<0.05	7	<0.5	<0.2
1057733	Soil	8	42	0.57	123	0.025	1	1.31	0.009	0.08	<0.1	0.05	1.4	<0.1	0.10	5	0.6	<0.2
1057732	Soil	9	82	1.31	161	0.108	1	2.34	0.011	0.27	<0.1	0.02	3.9	0.2	0.07	8	<0.5	<0.2
1057715	Soil	13	57	1.14	131	0.113	1	2.38	0.011	0.29	<0.1	0.01	3.6	0.3	<0.05	7	<0.5	<0.2
1057711	Soil	11	43	0.74	89	0.061	1	1.63	0.012	0.07	<0.1	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
1057729	Soil	9	41	0.71	87	0.046	<1	1.49	0.010	0.05	<0.1	0.01	2.1	<0.1	0.05	5	<0.5	<0.2
1057728	Soil	11	41	0.80	66	0.066	<1	1.71	0.013	0.09	<0.1	<0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
1057730	Soil	9	54	1.02	110	0.067	1	2.00	0.012	0.13	<0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
1057731	Soil	10	44	0.82	94	0.058	2	1.78	0.010	0.07	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
1084175	Soil	11	39	0.85	53	0.021	<1	1.78	0.008	0.07	<0.1	0.03	2.4	<0.1	0.07	5	<0.5	<0.2



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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1057701	Soil	1.9	84.9	10.6	108	0.2	78.8	27.6	595	3.93	34.3	1.2	16.6	2.3	27	0.2	0.5	0.2	62	0.29	0.117
1057705	Soil	1.5	84.2	7.0	88	0.1	59.7	20.9	478	3.56	16.4	1.0	16.4	2.8	28	0.2	0.5	0.1	64	0.37	0.125
1057703	Soil	1.0	78.4	7.8	92	0.1	73.3	23.4	700	3.99	288.3	0.7	16.0	2.5	24	0.2	0.5	<0.1	92	0.38	0.114
1057709	Soil	0.8	53.7	6.6	79	0.1	50.0	18.1	479	3.10	24.4	0.6	4.5	2.8	24	0.2	0.5	0.1	56	0.36	0.087
1057702	Soil	1.2	81.8	12.0	129	0.2	76.8	24.7	636	4.62	88.0	1.3	23.5	4.8	36	0.3	0.4	0.2	70	0.46	0.112
1057706	Soil	1.7	80.5	8.4	103	0.2	76.5	27.9	643	4.30	17.8	0.9	6.3	3.5	26	0.2	0.5	0.2	75	0.31	0.101
1057704	Soil	1.5	71.4	7.9	106	0.2	70.2	25.7	642	4.14	42.6	1.2	5.2	4.0	29	0.2	0.5	0.1	79	0.36	0.085
1057707	Soil	1.4	61.3	11.0	97	<0.1	68.5	23.8	616	4.14	393.5	0.8	9.7	2.5	25	0.1	0.5	0.2	79	0.26	0.055
1057708	Soil	1.4	107.8	8.7	115	<0.1	127.5	45.4	619	4.00	37.1	0.9	3.0	2.1	24	0.2	0.6	0.1	66	0.24	0.056
1084176	Soil	2.0	80.9	9.9	101	0.2	55.1	25.6	646	3.86	23.9	1.2	9.5	1.5	28	0.3	0.7	0.2	74	0.37	0.114
1057710	Soil	1.4	41.8	8.2	81	<0.1	47.2	17.2	504	3.60	12.2	0.7	5.5	1.2	23	0.2	0.6	0.1	63	0.24	0.059



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CERTIFICATE OF ANALYSIS

WHI11000851.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1057701	Soil	13	50	0.85	79	0.040	<1	2.05	0.010	0.07	<0.1	0.03	2.6	<0.1	<0.05	6	1.0	<0.2
1057705	Soil	14	47	0.79	70	0.062	<1	1.71	0.016	0.06	0.1	0.02	2.6	<0.1	<0.05	5	0.7	<0.2
1057703	Soil	10	87	1.23	99	0.094	1	2.18	0.009	0.21	<0.1	0.02	4.6	0.1	<0.05	7	0.7	<0.2
1057709	Soil	9	43	0.79	66	0.076	1	1.60	0.014	0.07	<0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
1057702	Soil	18	63	1.24	54	0.086	<1	2.49	0.009	0.14	0.1	0.01	4.0	<0.1	<0.05	7	0.9	<0.2
1057706	Soil	15	55	1.01	80	0.073	<1	2.09	0.014	0.13	<0.1	0.03	3.3	0.2	<0.05	6	<0.5	<0.2
1057704	Soil	18	60	1.00	115	0.102	1	2.15	0.017	0.18	<0.1	0.03	3.7	0.2	<0.05	6	<0.5	<0.2
1057707	Soil	11	65	1.09	130	0.085	1	2.29	0.015	0.15	<0.1	0.03	3.8	0.2	<0.05	6	<0.5	<0.2
1057708	Soil	12	47	0.86	70	0.074	<1	1.70	0.013	0.09	<0.1	0.02	2.8	0.1	<0.05	5	0.7	<0.2
1084176	Soil	13	53	0.88	99	0.047	1	1.97	0.012	0.11	<0.1	0.06	2.8	0.2	0.05	6	<0.5	<0.2
1057710	Soil	9	48	0.81	80	0.061	2	1.67	0.014	0.07	<0.1	0.03	2.3	<0.1	<0.05	6	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

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Method Analyte Unit MDL		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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																				
1056293	Soil	0.9	60.1	5.7	97	0.1	53.9	19.0	762	4.31	19.0	0.7	3.5	2.6	28	<0.1	0.3	0.1	71	0.33
REP 1056293	QC	0.7	61.9	6.0	96	0.1	56.0	20.4	773	4.33	19.7	0.7	2.7	2.7	27	0.1	0.3	0.1	66	0.34
1060136	Soil	1.6	74.1	8.7	98	<0.1	88.9	30.7	676	3.49	28.0	0.8	2.4	1.5	34	0.2	0.6	0.1	57	0.39
REP 1060136	QC	1.6	69.5	8.3	91	<0.1	85.2	30.5	651	3.34	27.7	0.8	3.4	1.4	31	0.2	0.6	0.1	58	0.38
1057951	Soil	1.1	41.5	6.7	74	0.1	40.9	15.7	502	3.06	10.7	0.7	5.0	1.9	23	0.1	0.4	0.1	49	0.23
REP 1057951	QC	1.2	40.4	6.5	75	0.1	42.2	15.1	483	2.93	10.2	0.7	2.0	1.9	22	0.1	0.4	0.1	50	0.24
1061465	Soil	1.8	50.7	8.2	83	<0.1	46.9	16.2	417	3.84	14.5	1.0	6.1	1.7	26	<0.1	0.5	0.2	83	0.22
REP 1061465	QC	1.7	48.6	7.4	78	<0.1	45.2	15.4	398	3.61	13.3	1.0	2.6	1.7	24	0.1	0.5	0.2	78	0.21
1061470	Soil	1.2	79.0	6.8	98	0.2	85.0	25.5	529	4.00	24.0	1.0	2.8	3.2	32	0.1	0.4	0.2	79	0.26
REP 1061470	QC	1.1	78.1	6.6	95	0.2	84.4	25.1	532	3.93	23.5	1.0	2.6	3.1	32	0.1	0.4	0.2	77	0.26
1060168	Soil	1.0	43.2	6.7	82	0.1	43.7	15.3	604	3.58	15.4	0.8	6.3	0.8	25	<0.1	0.3	0.2	56	0.29
REP 1060168	QC	0.9	44.4	6.7	82	0.1	43.7	15.2	590	3.51	15.1	0.8	1.4	0.8	26	<0.1	0.3	0.1	56	0.30
1060153	Soil	1.5	78.3	10.8	89	0.3	53.6	21.2	665	3.87	27.8	0.9	4.5	1.4	31	0.2	0.5	0.2	56	0.28
REP 1060153	QC	1.5	77.0	10.6	85	0.3	52.7	21.1	666	3.79	27.7	0.9	6.6	1.4	31	0.2	0.6	0.2	57	0.29
1060689	Soil	1.7	54.5	9.1	75	0.6	41.1	15.9	524	3.15	27.1	1.3	3.8	1.1	27	0.3	0.6	0.2	61	0.37
REP 1060689	QC	1.6	54.8	9.2	76	0.5	40.4	15.9	529	3.20	27.9	1.3	2.5	1.1	27	0.4	0.7	0.2	61	0.36
1060674	Soil	2.1	44.7	10.8	100	0.2	40.2	18.6	727	3.39	16.7	0.8	1.4	1.0	22	0.6	0.8	0.2	60	0.26
REP 1060674	QC	2.2	43.2	11.0	102	0.1	41.4	18.7	748	3.53	16.8	0.8	1.1	1.0	24	0.6	0.8	0.2	62	0.28
1057722	Soil	1.5	75.1	8.8	86	0.1	67.8	23.9	455	3.41	18.6	0.7	1.7	2.5	38	0.1	0.7	0.1	55	0.26
REP 1057722	QC	1.6	76.2	9.2	89	0.1	69.5	23.4	475	3.52	19.0	0.7	1.7	2.6	41	0.2	0.8	0.2	55	0.28
1057709	Soil	0.8	53.7	6.6	79	0.1	50.0	18.1	479	3.10	24.4	0.6	4.5	2.8	24	0.2	0.5	0.1	56	0.36
REP 1057709	QC	0.9	52.7	6.7	77	0.1	51.1	19.3	473	3.13	24.3	0.6	2.7	2.8	23	0.2	0.4	<0.1	58	0.35
Reference Materials																				
STD DS8	Standard	12.9	108.9	132.4	317	1.8	39.1	7.7	612	2.50	27.5	2.9	103.7	6.8	64	2.5	5.8	7.5	42	0.69
STD DS8	Standard	13.0	112.8	133.6	319	1.8	41.7	7.6	613	2.46	27.0	2.9	114.4	7.0	66	2.3	6.1	7.1	41	0.68
STD DS8	Standard	12.3	103.9	117.4	298	1.8	36.9	7.3	596	2.32	25.3	2.5	108.8	6.1	62	2.2	5.4	6.3	39	0.63
STD DS8	Standard	13.6	108.8	136.9	316	1.8	39.4	7.6	629	2.49	27.0	2.9	110.6	7.0	75	2.2	6.0	7.1	45	0.71
STD DS8	Standard	13.5	113.9	126.6	315	1.8	38.7	7.7	621	2.50	27.1	2.7	97.6	7.2	60	2.2	5.0	5.6	45	0.71



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Part 2

QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1056293	Soil	10	56	1.48	168	0.089	<1	2.41	0.006	0.23	<0.1	<0.01	3.0	<0.1	<0.05	6	0.7	<0.2
REP 1056293	QC	10	55	1.43	165	0.093	1	2.42	0.007	0.22	<0.1	0.02	2.9	<0.1	<0.05	7	<0.5	<0.2
1060136	Soil	12	46	0.84	64	0.060	2	1.62	0.010	0.06	<0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
REP 1060136	QC	11	44	0.81	62	0.060	<1	1.56	0.011	0.06	<0.1	0.01	2.1	<0.1	<0.05	5	<0.5	<0.2
1057951	Soil	8	41	0.75	66	0.042	1	1.54	0.007	0.04	<0.1	0.03	2.1	<0.1	<0.05	4	1.1	<0.2
REP 1057951	QC	8	39	0.74	64	0.042	<1	1.50	0.008	0.04	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
1061465	Soil	11	56	0.94	93	0.066	2	2.33	0.011	0.12	<0.1	0.04	3.1	0.2	<0.05	7	1.0	<0.2
REP 1061465	QC	10	52	0.85	86	0.065	<1	2.08	0.009	0.11	<0.1	0.04	2.8	0.2	<0.05	7	0.7	<0.2
1061470	Soil	12	65	1.02	97	0.089	<1	2.06	0.012	0.28	<0.1	0.04	3.8	0.2	<0.05	6	<0.5	<0.2
REP 1061470	QC	12	66	1.00	93	0.093	<1	2.06	0.013	0.27	<0.1	0.04	3.7	0.2	<0.05	6	<0.5	<0.2
1060168	Soil	8	51	1.12	106	0.037	<1	2.04	0.007	0.05	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
REP 1060168	QC	8	50	1.13	106	0.037	<1	2.07	0.007	0.05	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
1060153	Soil	12	43	0.94	96	0.039	1	2.00	0.009	0.05	<0.1	0.05	2.6	<0.1	<0.05	5	0.5	<0.2
REP 1060153	QC	12	44	0.94	97	0.039	1	2.03	0.009	0.05	<0.1	0.04	2.6	<0.1	<0.05	5	0.7	<0.2
1060689	Soil	17	47	0.85	82	0.041	<1	1.87	0.010	0.05	<0.1	0.04	2.7	<0.1	<0.05	5	0.9	<0.2
REP 1060689	QC	17	47	0.84	83	0.037	6	1.89	0.011	0.05	0.1	0.03	2.6	<0.1	<0.05	5	1.0	<0.2
1060674	Soil	9	44	0.80	89	0.039	<1	1.70	0.009	0.05	0.1	0.02	2.3	<0.1	<0.05	6	0.6	<0.2
REP 1060674	QC	9	45	0.83	88	0.042	<1	1.85	0.010	0.05	<0.1	0.03	2.6	<0.1	<0.05	6	0.5	<0.2
1057722	Soil	12	40	0.79	85	0.058	<1	1.78	0.010	0.08	<0.1	0.02	2.7	<0.1	<0.05	5	0.7	<0.2
REP 1057722	QC	12	42	0.85	90	0.062	1	1.84	0.011	0.08	<0.1	0.02	2.7	<0.1	<0.05	5	0.5	<0.2
1057709	Soil	9	43	0.79	66	0.076	1	1.60	0.014	0.07	<0.1	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
REP 1057709	QC	9	43	0.78	64	0.075	1	1.60	0.013	0.07	<0.1	0.01	2.7	<0.1	<0.05	4	0.5	<0.2
Reference Materials																		
STD DS8	Standard	13	116	0.61	275	0.108	3	0.90	0.092	0.43	3.2	0.20	2.1	5.6	0.15	5	5.3	4.5
STD DS8	Standard	15	123	0.62	277	0.115	2	0.92	0.083	0.43	3.1	0.21	2.5	5.6	0.13	4	5.8	5.3
STD DS8	Standard	13	108	0.58	250	0.102	2	0.87	0.087	0.39	2.7	0.18	2.3	5.1	0.15	4	4.8	4.9
STD DS8	Standard	16	118	0.62	317	0.119	4	0.96	0.095	0.42	3.3	0.21	1.9	5.6	0.12	5	5.4	5.3
STD DS8	Standard	14	124	0.59	289	0.122	3	0.92	0.088	0.40	2.9	0.20	2.1	5.3	0.16	5	5.4	5.2



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Part 1

QUALITY CONTROL REPORT

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		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 U ppm 0.1	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
STD DS8	Standard	12.6	107.5	127.0	313	1.8	38.7	7.6	612	2.46	27.0	2.7	114.1	6.5	68	2.4	5.9	7.1	41	0.67	0.080
STD DS8	Standard	12.6	102.1	125.2	320	0.9	36.9	7.2	599	2.45	25.5	2.8	123.9	6.8	67	2.2	5.7	6.4	43	0.69	0.083
STD DS8	Standard	12.3	104.9	112.1	296	1.7	34.4	7.0	553	2.21	25.3	2.6	107.4	6.3	64	2.3	5.6	6.6	38	0.61	0.071
STD DS8	Standard	14.1	120.2	130.0	323	1.8	41.8	8.4	661	2.65	27.7	3.0	122.7	7.5	63	2.3	5.8	7.1	47	0.68	0.085
STD DS8	Standard	13.1	110.8	124.0	316	1.7	41.6	8.3	582	2.41	27.9	2.5	106.9	6.3	56	2.1	5.4	6.2	48	0.65	0.079
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	13	117	0.60	277	0.112	4	0.88	0.091	0.42	2.9	0.22	2.2	5.5	0.14	5	5.8	4.9
STD DS8	Standard	15	118	0.66	294	0.117	2	0.94	0.103	0.45	3.1	0.23	2.3	5.2	0.17	5	5.1	4.6
STD DS8	Standard	13	107	0.55	250	0.109	3	0.85	0.084	0.37	2.8	0.20	2.3	5.0	0.15	4	5.1	4.6
STD DS8	Standard	14	130	0.62	278	0.123	2	0.91	0.088	0.41	3.3	0.20	2.4	6.0	0.14	5	5.7	4.9
STD DS8	Standard	13	127	0.60	258	0.111	3	0.85	0.086	0.40	3.0	0.19	2.0	5.2	0.18	5	5.0	4.7
STD DS8 Expected		14.6	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	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Client: **Ryan Gold Corp.**
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Submitted By: Mike Skead
Receiving Lab: Canada-Whitehorse
Received: July 15, 2011
Report Date: August 12, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS

WHI11000852.1

CLIENT JOB INFORMATION

Project: GAR
Shipment ID:
P.O. Number
Number of Samples: 206

SAMPLE DISPOSAL

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

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

Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	206	Dry at 60C			VAN
SS80	206	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	206	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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Project:

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Report Date:

August 12, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000852.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1057298	Soil	0.9	41.9	6.4	78	0.2	37.6	15.9	559	3.26	12.3	0.6	6.4	1.8	29	0.1	0.3	0.1	50	0.44	0.081
1057297	Soil	1.0	43.4	7.1	80	0.2	41.4	15.1	460	3.52	13.3	0.5	3.1	2.6	27	<0.1	0.3	0.1	53	0.35	0.059
1057299	Soil	0.9	34.1	6.5	78	0.3	35.1	14.1	451	3.21	13.9	0.5	2.3	2.0	26	0.1	0.3	0.2	51	0.36	0.053
1057296	Soil	0.9	26.7	5.9	58	0.1	28.3	11.3	328	2.82	10.7	0.5	3.6	1.9	21	<0.1	0.3	0.1	48	0.28	0.030
1060968	Soil	0.7	47.2	5.6	76	0.2	41.1	14.0	439	3.35	15.5	0.5	3.9	2.4	35	<0.1	0.4	0.1	53	0.51	0.084
1057300	Soil	0.8	38.7	6.1	86	0.5	35.6	13.2	449	2.97	12.7	0.5	3.6	1.5	34	0.3	0.2	0.1	48	0.54	0.096
1060969	Soil	0.7	44.9	6.8	77	0.1	43.5	14.7	502	3.45	19.0	0.4	2.2	2.4	33	0.2	0.4	0.1	54	0.51	0.079
1060970	Soil	0.7	43.3	6.4	79	0.2	42.4	14.1	475	3.32	16.6	0.4	2.5	2.1	34	0.2	0.3	0.1	52	0.57	0.076
1060971	Soil	0.6	45.7	5.6	79	0.2	39.4	13.5	493	3.14	13.8	0.4	6.4	2.0	32	0.2	0.4	<0.1	51	0.55	0.079
1060972	Soil	0.8	37.5	5.2	69	0.1	38.1	13.0	400	3.19	12.9	0.5	1.5	1.7	33	0.1	0.3	<0.1	54	0.56	0.064
1060973	Soil	0.6	30.7	5.3	61	0.1	32.9	12.2	446	2.90	10.5	0.4	<0.5	1.6	29	<0.1	0.4	<0.1	53	0.47	0.062
1060974	Soil	0.6	33.4	4.5	53	<0.1	31.0	10.0	297	2.55	9.4	0.4	2.5	1.6	27	<0.1	0.3	<0.1	47	0.47	0.046
1057287	Soil	0.7	48.7	5.6	89	<0.1	45.6	14.9	490	3.55	13.2	0.7	3.5	3.8	27	0.1	0.2	0.1	43	0.27	0.076
1060966	Soil	1.0	54.7	5.9	85	0.3	50.1	16.0	527	3.42	21.1	0.7	2.9	4.2	20	0.3	0.3	0.1	47	0.22	0.043
1060967	Soil	0.8	47.7	6.0	76	0.2	41.0	14.8	477	3.26	15.2	0.5	3.1	2.3	20	0.1	0.3	0.1	47	0.22	0.037
1057289	Soil	0.9	41.0	7.4	64	0.2	33.3	15.3	470	3.00	12.2	0.8	4.0	1.3	22	0.2	0.4	0.1	55	0.23	0.050
1060953	Soil	0.7	58.3	6.3	87	<0.1	47.1	15.4	466	3.60	15.4	0.6	1.9	3.5	16	0.1	0.3	0.1	47	0.13	0.028
1057288	Soil	1.0	31.4	5.6	58	0.1	29.7	12.5	419	2.80	10.4	0.6	2.2	1.3	27	0.1	0.3	0.1	51	0.32	0.063
1057291	Soil	1.2	50.5	7.7	80	0.2	49.9	18.4	505	3.26	18.8	0.6	4.3	2.0	33	0.2	0.3	0.1	43	0.27	0.055
1057290	Soil	1.2	32.4	6.5	63	0.1	33.7	14.8	405	3.08	15.6	0.5	4.8	2.3	29	0.1	0.3	0.1	47	0.28	0.061
1057293	Soil	1.0	48.0	6.5	85	0.2	48.7	17.7	453	3.54	17.7	0.7	3.7	2.2	23	0.1	0.3	0.2	47	0.23	0.042
1057292	Soil	1.0	40.1	6.0	79	0.1	42.1	14.6	400	3.26	14.7	0.6	1.8	2.0	32	0.1	0.3	0.1	46	0.34	0.060
1057294	Soil	0.8	46.3	6.0	87	0.1	47.3	15.2	474	3.33	15.2	0.6	1.9	2.6	22	0.1	0.2	0.1	39	0.22	0.067
1057295	Soil	0.8	31.4	5.8	66	0.1	31.5	12.6	404	3.07	11.8	0.6	4.9	2.1	21	<0.1	0.3	0.1	47	0.26	0.045
1060985	Soil	0.5	30.3	3.9	48	<0.1	27.1	9.5	390	2.22	6.8	0.3	1.4	1.5	65	0.2	0.3	<0.1	43	2.38	0.082
1060976	Soil	0.7	37.1	6.0	75	0.2	33.3	13.6	494	3.03	9.8	0.6	3.9	0.7	36	0.1	0.4	0.1	50	0.66	0.098
1060982	Soil	0.5	32.3	4.2	55	0.1	29.5	10.5	403	2.49	8.1	0.4	2.0	1.8	32	0.1	0.3	<0.1	47	0.56	0.083
1060978	Soil	0.8	39.9	5.2	56	0.2	31.3	13.9	580	2.70	9.2	1.2	2.1	1.1	40	0.2	0.5	<0.1	50	0.76	0.085
1060981	Soil	0.5	41.5	4.7	65	0.1	34.0	11.5	444	2.72	8.8	0.4	2.8	1.9	47	0.2	0.4	<0.1	50	1.36	0.080
1060979	Soil	0.7	45.7	6.0	61	0.3	38.6	13.7	558	2.85	9.5	1.4	10.9	0.8	44	0.3	0.6	<0.1	49	0.95	0.086



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Part 2

CERTIFICATE OF ANALYSIS

WHI11000852.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1057298	Soil	11	44	0.88	138	0.036	2	1.77	0.010	0.06	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
1057297	Soil	9	45	0.97	131	0.028	2	2.06	0.008	0.05	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1057299	Soil	8	42	0.87	112	0.042	3	1.78	0.011	0.07	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
1057296	Soil	9	38	0.78	100	0.037	2	1.73	0.009	0.04	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
1060968	Soil	9	47	1.00	104	0.052	2	1.79	0.014	0.10	<0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
1057300	Soil	8	41	0.90	106	0.042	3	1.62	0.011	0.10	<0.1	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
1060969	Soil	9	53	1.07	104	0.052	2	1.83	0.014	0.07	<0.1	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
1060970	Soil	9	48	1.02	109	0.050	2	1.81	0.013	0.07	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
1060971	Soil	10	44	0.94	118	0.051	3	1.64	0.016	0.08	<0.1	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
1060972	Soil	9	47	0.96	108	0.058	3	1.70	0.015	0.09	<0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
1060973	Soil	8	42	0.83	98	0.056	2	1.54	0.018	0.07	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
1060974	Soil	9	37	0.74	85	0.055	2	1.35	0.016	0.05	<0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
1057287	Soil	12	44	1.03	87	0.030	2	1.88	0.007	0.05	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
1060966	Soil	11	57	1.01	73	0.037	1	1.81	0.010	0.06	<0.1	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2
1060967	Soil	9	43	0.86	85	0.033	2	1.72	0.008	0.05	<0.1	0.04	2.4	<0.1	<0.05	5	<0.5	<0.2
1057289	Soil	21	42	0.76	125	0.038	2	1.82	0.010	0.05	<0.1	0.02	3.1	<0.1	<0.05	5	0.8	<0.2
1060953	Soil	10	47	1.00	74	0.030	1	2.03	0.008	0.04	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
1057288	Soil	11	39	0.76	118	0.041	1	1.59	0.011	0.05	<0.1	0.04	2.8	<0.1	<0.05	5	0.5	<0.2
1057291	Soil	8	40	0.84	82	0.025	<1	1.75	0.007	0.05	<0.1	0.03	2.3	<0.1	<0.05	5	<0.5	<0.2
1057290	Soil	9	38	0.72	86	0.041	2	1.66	0.009	0.04	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
1057293	Soil	9	44	0.97	79	0.021	1	2.03	0.006	0.04	<0.1	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
1057292	Soil	9	40	0.86	67	0.033	1	1.75	0.010	0.05	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
1057294	Soil	10	41	0.98	67	0.024	<1	1.85	0.005	0.04	<0.1	0.02	2.4	<0.1	<0.05	5	<0.5	<0.2
1057295	Soil	11	41	0.86	97	0.033	1	1.75	0.007	0.04	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
1060985	Soil	8	32	0.82	73	0.060	2	1.06	0.021	0.07	<0.1	0.01	2.8	<0.1	<0.05	3	<0.5	<0.2
1060976	Soil	9	42	0.83	116	0.035	2	1.62	0.015	0.06	<0.1	0.02	2.6	<0.1	<0.05	5	0.9	<0.2
1060982	Soil	8	36	0.74	71	0.061	2	1.22	0.017	0.09	<0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
1060978	Soil	11	38	0.73	122	0.042	2	1.38	0.018	0.05	<0.1	0.03	2.9	<0.1	<0.05	4	0.8	<0.2
1060981	Soil	9	40	0.92	77	0.064	2	1.42	0.019	0.08	<0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
1060979	Soil	10	39	0.76	159	0.035	2	1.50	0.018	0.05	<0.1	0.02	2.7	<0.1	<0.05	4	0.8	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

WHI11000852.1

	Method	Analyte	Unit	MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1060984	Soil				0.6	36.4	6.0	74	0.3	33.8	13.1	525	2.81	9.2	0.4	2.5	1.5	46	0.3	0.6	<0.1	53	1.23	0.086
1060975	Soil				0.8	59.1	6.6	87	0.3	41.7	15.4	556	3.48	12.0	0.6	2.4	1.6	36	0.2	0.6	0.1	57	0.69	0.092
1060980	Soil				0.6	40.0	4.2	60	0.1	32.2	10.5	390	2.56	8.5	0.4	1.3	1.8	59	0.2	0.4	0.1	49	2.01	0.085
1060983	Soil				0.7	39.4	5.6	71	<0.1	36.1	13.3	505	3.14	9.6	0.4	2.1	2.2	48	0.2	0.4	0.1	56	1.46	0.090
1060977	Soil				0.5	36.8	4.8	56	0.2	31.4	10.9	356	2.66	9.1	0.4	8.3	1.8	31	0.1	0.4	<0.1	49	0.57	0.083
1061220	Soil				1.3	44.7	7.5	81	0.1	38.9	14.9	480	3.24	15.1	0.8	3.0	0.9	25	0.2	0.6	0.1	51	0.28	0.090
1061215	Soil				1.4	65.0	9.6	81	0.3	55.3	19.8	569	3.53	36.5	1.1	3.1	1.6	32	0.1	0.5	0.2	64	0.43	0.079
1061218	Soil				0.9	43.3	7.4	75	0.2	47.9	17.7	464	3.29	16.1	0.6	2.7	1.3	27	0.2	0.4	0.1	56	0.31	0.060
1061219	Soil				1.7	45.4	9.3	77	0.2	44.4	17.9	560	3.45	29.8	0.8	2.0	1.5	36	0.3	0.6	0.2	66	0.42	0.052
1061217	Soil				1.7	44.9	7.6	78	0.1	37.5	17.6	662	3.22	21.3	0.6	1.1	1.0	27	0.4	0.5	0.1	68	0.34	0.089
1061221	Soil				1.3	41.6	8.8	74	0.1	40.3	16.5	486	3.30	18.7	0.7	2.3	1.0	29	0.2	0.6	0.1	59	0.39	0.073
1061222	Soil				1.8	49.2	8.2	80	0.1	44.8	16.7	559	3.71	19.2	0.8	3.2	1.4	28	0.2	0.5	0.2	65	0.35	0.075
1061223	Soil				2.2	42.4	7.1	76	0.2	31.7	16.1	577	3.23	14.0	0.8	2.4	0.7	32	0.2	0.5	0.1	66	0.48	0.089
1061224	Soil				1.2	42.9	7.3	72	0.1	39.5	15.5	487	3.27	14.9	0.7	1.9	1.5	26	0.1	0.5	0.1	60	0.30	0.055
1061226	Soil				1.3	43.1	7.0	74	<0.1	49.2	19.4	501	3.35	15.4	0.7	1.3	1.5	27	0.2	0.4	0.1	53	0.26	0.046
1061225	Soil				1.1	66.0	6.0	95	1.2	41.7	17.8	643	4.41	18.8	0.7	4.8	2.2	23	0.2	0.3	0.1	88	0.28	0.057
1061227	Soil				1.0	55.8	7.7	74	0.3	56.4	17.7	516	3.41	18.8	0.7	2.3	2.6	24	0.3	0.4	0.2	54	0.27	0.043
1061216	Soil				1.9	62.4	5.9	88	0.1	73.6	28.1	940	4.68	17.8	0.5	8.7	1.1	34	0.2	0.5	0.1	114	0.55	0.097
1061214	Soil				1.4	64.7	8.8	82	0.3	60.4	19.9	561	3.66	28.0	1.0	3.9	1.7	36	0.1	0.5	0.2	69	0.44	0.080
1061234	Soil				0.8	59.0	7.2	88	0.2	52.8	16.8	566	3.82	17.9	0.9	2.3	3.1	28	<0.1	0.3	0.2	53	0.31	0.060
1061233	Soil				1.0	53.6	7.4	84	0.2	46.4	15.9	521	3.49	21.8	0.7	2.6	2.4	30	0.2	0.4	0.2	57	0.36	0.066
1061228	Soil				1.4	37.4	8.8	84	<0.1	39.8	15.7	528	3.38	17.1	0.7	1.4	1.0	26	0.2	0.5	0.2	57	0.31	0.066
1061231	Soil				1.0	64.6	7.2	95	0.2	56.7	18.5	626	3.93	19.6	0.7	1.4	3.8	25	0.2	0.3	0.2	54	0.24	0.047
1061229	Soil				0.8	52.7	6.8	85	0.1	52.9	17.0	516	3.48	16.4	0.7	1.7	2.7	31	0.1	0.3	0.1	50	0.34	0.067
1061232	Soil				1.6	39.6	8.1	76	<0.1	42.2	14.6	507	3.39	15.6	0.7	5.8	0.9	33	0.2	0.4	0.2	53	0.44	0.089
1061230	Soil				0.9	52.6	6.7	80	0.1	52.6	16.5	486	3.29	15.5	0.7	2.7	2.8	31	0.2	0.3	0.1	50	0.31	0.067
1061207	Soil				1.5	60.9	4.4	84	0.1	47.8	22.2	844	4.29	23.3	0.4	0.6	0.9	27	0.1	0.4	<0.1	109	0.66	0.076
1080748	Soil				0.9	53.1	6.7	99	<0.1	53.4	20.9	620	4.08	28.0	0.7	2.0	2.2	27	0.1	0.3	0.1	89	0.42	0.089
1080749	Soil				1.5	84.7	8.2	108	0.2	74.9	25.6	694	4.66	73.2	0.7	2.8	2.0	28	0.2	0.4	0.2	85	0.51	0.097
1080747	Soil				1.2	57.0	7.4	95	0.1	50.6	18.9	532	4.12	14.8	0.6	1.7	2.4	23	0.2	0.5	0.2	84	0.35	0.054



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1060984	Soil	10	41	0.87	146	0.060	2	1.41	0.021	0.07	<0.1	0.03	3.4	<0.1	<0.05	4	<0.5
1060975	Soil	12	47	0.97	140	0.054	2	1.71	0.018	0.08	<0.1	0.03	3.6	<0.1	<0.05	5	<0.5
1060980	Soil	9	36	0.85	87	0.060	1	1.34	0.019	0.07	<0.1	0.03	3.2	<0.1	<0.05	4	0.5
1060983	Soil	10	46	1.00	102	0.067	2	1.62	0.020	0.10	<0.1	0.03	3.6	<0.1	<0.05	5	<0.5
1060977	Soil	9	39	0.78	73	0.056	2	1.33	0.019	0.06	<0.1	0.03	3.1	<0.1	<0.05	4	<0.5
1061220	Soil	11	42	0.84	91	0.029	2	1.73	0.008	0.06	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5
1061215	Soil	10	54	0.97	104	0.041	2	2.06	0.010	0.07	<0.1	0.03	2.8	0.1	0.06	5	0.7
1061218	Soil	8	50	0.90	63	0.057	1	1.90	0.010	0.08	<0.1	0.02	2.2	<0.1	0.06	4	<0.5
1061219	Soil	11	47	0.83	122	0.050	1	1.79	0.013	0.05	<0.1	0.03	3.0	<0.1	0.05	5	<0.5
1061217	Soil	8	45	0.84	88	0.051	1	1.74	0.010	0.06	0.1	0.02	2.4	0.1	0.05	5	0.7
1061221	Soil	9	44	0.83	90	0.040	<1	1.79	0.010	0.05	<0.1	0.02	2.4	<0.1	0.06	5	<0.5
1061222	Soil	9	55	0.97	88	0.048	<1	1.93	0.008	0.09	<0.1	0.02	2.6	<0.1	0.05	5	0.6
1061223	Soil	8	43	0.82	95	0.053	<1	1.67	0.011	0.11	<0.1	0.04	2.2	<0.1	0.08	5	<0.5
1061224	Soil	11	47	0.83	92	0.053	<1	1.86	0.011	0.05	<0.1	0.03	2.8	<0.1	<0.05	5	0.5
1061226	Soil	8	42	0.79	66	0.045	<1	1.63	0.010	0.05	<0.1	0.03	2.2	<0.1	<0.05	5	<0.5
1061225	Soil	12	58	1.48	130	0.118	<1	3.04	0.008	0.24	<0.1	0.04	3.6	0.1	<0.05	7	0.8
1061227	Soil	8	50	0.90	72	0.052	1	2.02	0.011	0.05	<0.1	0.03	2.6	<0.1	<0.05	5	<0.5
1061216	Soil	6	92	1.51	121	0.119	1	2.44	0.008	0.24	<0.1	0.02	5.0	0.2	0.06	7	0.6
1061214	Soil	11	56	0.94	85	0.057	<1	1.94	0.012	0.09	<0.1	0.03	3.0	0.1	<0.05	5	0.6
1061234	Soil	12	50	1.05	87	0.045	<1	2.04	0.008	0.06	<0.1	0.01	3.1	<0.1	<0.05	5	<0.5
1061233	Soil	10	46	0.95	83	0.051	<1	1.94	0.011	0.06	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5
1061228	Soil	8	45	0.85	87	0.046	1	1.86	0.010	0.05	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5
1061231	Soil	9	50	1.12	72	0.050	<1	2.12	0.009	0.06	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5
1061229	Soil	10	48	0.94	62	0.056	<1	1.90	0.011	0.06	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5
1061232	Soil	8	43	0.87	83	0.032	1	1.72	0.009	0.06	<0.1	0.02	1.8	<0.1	0.05	5	<0.5
1061230	Soil	10	45	0.89	61	0.048	<1	1.79	0.010	0.06	<0.1	0.01	2.6	<0.1	<0.05	4	<0.5
1061207	Soil	5	68	1.60	322	0.130	<1	2.55	0.011	0.37	<0.1	0.04	4.9	0.2	0.07	8	<0.5
1080748	Soil	7	65	1.27	132	0.122	<1	2.25	0.012	0.23	<0.1	0.02	4.1	0.2	<0.05	7	<0.5
1080749	Soil	8	67	1.36	114	0.104	1	2.27	0.010	0.22	<0.1	0.03	3.9	0.2	<0.05	7	<0.5
1080747	Soil	8	62	1.13	138	0.139	1	2.29	0.012	0.22	<0.1	0.02	3.9	0.3	<0.05	6	0.5



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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1084200	Soil	1.5	79.5	6.4	101	0.2	55.2	25.8	1056	4.99	101.4	0.6	5.9	1.3	29	0.2	0.4	0.1	123	0.70	0.070
1080750	Soil	1.2	81.8	5.7	115	0.2	50.5	25.7	947	5.40	33.1	0.6	3.1	2.0	34	0.2	0.3	0.1	116	0.55	0.090
1061211	Soil	1.1	67.5	7.4	96	0.3	60.3	21.1	623	4.18	33.0	0.8	3.7	2.5	36	0.2	0.4	0.2	75	0.45	0.064
1061208	Soil	1.2	61.9	5.5	98	0.2	52.4	23.1	918	4.85	61.3	0.4	3.0	1.3	28	0.2	0.3	<0.1	114	0.47	0.057
1061210	Soil	1.3	58.9	8.1	84	0.2	51.8	19.5	599	3.74	24.1	0.9	6.5	1.6	37	0.2	0.5	0.2	65	0.57	0.091
1061209	Soil	1.3	70.6	9.9	95	0.3	61.9	22.4	699	4.05	47.2	1.1	3.7	2.1	33	0.2	0.5	0.2	71	0.40	0.085
1061212	Soil	1.1	61.8	8.3	83	0.3	56.3	17.1	498	3.62	185.2	0.9	4.9	2.3	34	0.2	0.5	0.1	61	0.34	0.057
1061213	Soil	1.2	55.1	8.7	85	0.2	52.9	18.4	545	3.92	34.7	0.8	1.8	1.5	32	0.1	0.4	0.2	74	0.38	0.080
1060080	Soil	1.3	101.5	6.4	135	0.1	98.9	31.5	581	4.35	12.2	1.1	3.8	3.5	27	0.2	0.4	0.2	84	0.32	0.114
1060082	Soil	1.2	87.5	6.2	120	0.1	77.0	27.0	537	4.33	12.2	0.9	4.7	3.0	28	<0.1	0.4	0.2	88	0.30	0.100
1060078	Soil	1.8	116.8	8.4	133	0.1	103.9	36.4	624	4.35	15.0	1.3	4.3	3.4	32	0.3	0.6	0.2	85	0.34	0.113
1060083	Soil	1.6	91.6	7.1	124	0.2	81.7	28.6	578	4.66	12.8	1.2	5.0	3.4	29	0.1	0.4	0.2	93	0.27	0.096
1060079	Soil	1.5	127.8	7.7	134	0.1	114.9	37.0	639	4.29	14.2	1.1	10.7	2.7	29	0.2	0.5	0.3	82	0.29	0.105
1060085	Soil	1.2	74.7	5.8	100	0.1	58.0	20.8	465	3.46	10.1	1.1	2.3	3.0	20	0.2	0.4	0.2	82	0.28	0.095
1060087	Soil	1.5	78.0	6.2	76	0.2	50.3	19.0	320	3.21	13.2	0.8	4.8	1.6	20	0.2	0.5	0.2	73	0.27	0.079
1060081	Soil	1.6	104.9	7.3	126	0.2	87.8	31.1	595	4.17	15.3	1.1	6.2	5.1	27	0.1	0.5	0.3	89	0.29	0.086
1060084	Soil	1.3	71.3	6.0	101	0.2	60.5	20.1	473	3.62	10.2	0.9	6.2	2.7	22	0.2	0.4	0.2	85	0.29	0.098
1060086	Soil	1.6	73.1	6.0	79	0.1	53.0	18.2	325	3.33	13.8	0.8	2.1	1.8	20	0.2	0.4	0.2	77	0.27	0.081
1060067	Soil	1.6	66.7	5.0	90	<0.1	49.5	20.0	432	4.19	18.4	0.5	4.0	1.6	20	0.1	0.5	0.1	109	0.32	0.112
1060066	Soil	0.8	59.3	7.1	77	0.2	71.2	21.7	524	3.25	300.3	0.6	370.3	2.4	16	0.2	0.6	0.2	68	0.19	0.037
1060069	Soil	0.6	80.3	2.6	92	<0.1	57.1	26.4	394	4.26	7.6	0.3	1.6	1.1	19	0.1	0.2	0.1	110	0.34	0.091
1060068	Soil	0.9	56.1	4.2	89	<0.1	47.1	19.4	481	4.28	13.6	0.3	5.2	1.2	21	0.1	0.3	<0.1	118	0.36	0.084
1060070	Soil	0.8	59.0	4.7	91	0.1	78.4	35.1	440	3.03	9.5	1.0	12.1	1.1	36	0.6	0.4	0.1	64	0.56	0.436
1060071	Soil	1.1	75.5	6.4	128	0.1	146.6	28.6	504	4.14	20.6	1.1	5.3	3.3	25	0.2	0.4	0.2	85	0.30	0.107
1060072	Soil	1.7	86.5	6.7	97	0.1	74.4	20.0	500	3.85	15.6	1.0	5.4	2.3	21	0.1	0.5	0.2	81	0.26	0.078
1060073	Soil	1.6	42.9	6.6	76	<0.1	36.9	15.5	531	3.45	7.9	0.7	1.9	1.1	24	0.1	0.5	0.2	72	0.31	0.086
1060074	Soil	0.9	125.2	4.2	121	<0.1	122.3	33.3	460	3.62	16.2	1.0	3.8	4.1	24	0.2	0.3	0.2	70	0.35	0.153
1060075	Soil	1.0	111.1	3.9	113	<0.1	87.3	23.9	428	3.91	12.8	1.0	3.6	4.2	23	0.2	0.3	0.2	77	0.32	0.136
1060077	Soil	1.3	93.1	6.8	117	0.1	84.7	24.8	506	3.98	13.7	1.0	6.8	3.2	21	0.1	0.4	0.2	79	0.22	0.095
1060076	Soil	1.0	104.3	5.4	114	0.1	91.2	28.1	506	4.03	11.9	1.0	4.2	3.7	25	0.1	0.4	0.2	80	0.30	0.121



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1084200	Soil	6	85	1.74	329	0.146	1	2.84	0.011	0.47	<0.1	0.03	6.9	0.3	0.06	8	<0.5	<0.2
1080750	Soil	6	65	1.88	293	0.164	<1	3.09	0.014	0.44	<0.1	0.01	5.0	0.3	0.05	9	<0.5	<0.2
1061211	Soil	9	59	1.23	104	0.104	<1	2.26	0.013	0.23	<0.1	0.05	3.8	0.2	<0.05	6	0.5	<0.2
1061208	Soil	6	69	1.86	333	0.166	<1	3.02	0.011	0.60	<0.1	0.02	5.4	0.2	<0.05	9	<0.5	<0.2
1061210	Soil	11	54	1.04	96	0.058	1	1.98	0.012	0.12	<0.1	0.04	2.9	0.2	0.07	6	<0.5	<0.2
1061209	Soil	14	57	1.16	109	0.064	<1	2.24	0.013	0.12	<0.1	0.03	3.6	0.1	<0.05	6	<0.5	<0.2
1061212	Soil	11	51	1.10	75	0.071	<1	2.10	0.014	0.10	<0.1	0.02	3.4	0.1	<0.05	5	0.7	<0.2
1061213	Soil	8	60	1.11	112	0.081	1	2.14	0.011	0.14	<0.1	0.03	3.2	0.2	<0.05	6	0.6	<0.2
1060080	Soil	15	63	1.12	77	0.085	<1	2.28	0.014	0.16	<0.1	0.01	4.6	0.2	<0.05	7	0.8	<0.2
1060082	Soil	13	68	1.19	85	0.089	<1	2.46	0.012	0.18	<0.1	0.01	4.6	0.2	<0.05	7	0.6	<0.2
1060078	Soil	17	65	1.13	80	0.083	1	2.43	0.020	0.15	<0.1	0.03	4.4	0.2	0.07	7	0.6	<0.2
1060083	Soil	14	73	1.22	85	0.088	<1	2.57	0.012	0.18	<0.1	0.02	5.0	0.2	0.05	8	<0.5	<0.2
1060079	Soil	15	66	1.01	83	0.072	2	2.14	0.014	0.16	<0.1	0.02	4.6	0.2	0.09	6	<0.5	<0.2
1060085	Soil	10	65	1.03	94	0.091	2	2.06	0.010	0.17	<0.1	0.01	4.6	0.2	<0.05	6	<0.5	<0.2
1060087	Soil	8	56	0.82	103	0.066	1	1.82	0.008	0.15	<0.1	0.04	3.1	0.2	<0.05	6	<0.5	<0.2
1060081	Soil	13	68	1.09	84	0.075	<1	2.23	0.014	0.16	<0.1	0.04	4.6	0.2	0.08	7	0.7	<0.2
1060084	Soil	10	63	1.00	94	0.082	2	2.06	0.011	0.18	<0.1	0.03	4.1	0.2	0.07	6	0.8	<0.2
1060086	Soil	8	58	0.85	99	0.071	1	1.87	0.008	0.17	<0.1	0.04	3.2	0.2	0.06	6	0.6	<0.2
1060067	Soil	7	80	1.41	153	0.159	1	2.44	0.012	0.39	<0.1	0.02	4.8	0.2	0.07	8	<0.5	<0.2
1060066	Soil	9	48	0.88	77	0.076	<1	1.74	0.010	0.14	<0.1	0.03	3.5	0.1	0.05	5	<0.5	<0.2
1060069	Soil	4	83	1.68	147	0.222	2	2.89	0.011	0.90	<0.1	<0.01	4.0	0.3	<0.05	9	<0.5	<0.2
1060068	Soil	5	77	1.48	334	0.217	<1	2.68	0.014	0.60	<0.1	0.02	5.4	0.2	0.07	10	<0.5	<0.2
1060070	Soil	13	46	0.70	82	0.042	2	1.90	0.010	0.10	<0.1	0.03	2.7	0.1	0.10	4	1.0	<0.2
1060071	Soil	15	67	1.22	78	0.069	<1	2.50	0.014	0.23	<0.1	0.03	4.4	0.3	<0.05	7	1.1	<0.2
1060072	Soil	13	57	0.96	83	0.074	1	1.95	0.010	0.15	<0.1	0.02	3.6	0.2	<0.05	6	0.5	<0.2
1060073	Soil	8	49	0.80	90	0.059	1	1.63	0.010	0.13	<0.1	0.04	2.5	0.2	0.09	6	0.6	<0.2
1060074	Soil	15	53	0.92	49	0.071	<1	1.82	0.010	0.21	<0.1	<0.01	3.5	0.2	0.06	5	0.6	<0.2
1060075	Soil	15	61	1.02	63	0.080	<1	2.02	0.012	0.22	<0.1	0.01	4.4	0.2	0.06	6	0.9	<0.2
1060077	Soil	14	60	1.04	68	0.066	<1	2.15	0.011	0.13	<0.1	0.03	4.0	0.2	0.05	6	<0.5	<0.2
1060076	Soil	14	60	1.01	69	0.074	1	2.11	0.016	0.17	<0.1	0.02	4.1	0.2	0.07	6	<0.5	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1060056	Soil	0.3	86.5	2.3	80	<0.1	56.6	33.1	713	4.30	17.5	0.1	2.8	0.7	32	0.2	0.4	<0.1	108	0.60	0.073
1060054	Soil	0.9	81.6	4.9	109	<0.1	70.5	22.7	528	4.43	18.2	0.9	3.5	3.8	22	0.1	0.3	0.1	99	0.29	0.081
1060055	Soil	1.6	49.8	7.7	79	0.1	50.1	16.4	528	3.53	53.3	0.8	26.6	1.3	23	0.1	0.7	0.2	73	0.26	0.074
1060057	Soil	0.8	55.0	5.3	82	<0.1	62.8	20.0	523	3.88	15.9	0.5	1.0	1.7	16	0.1	0.5	0.1	103	0.29	0.062
1060059	Soil	1.1	62.5	4.7	92	<0.1	59.4	20.6	491	3.91	11.5	0.5	3.9	2.0	19	0.2	0.3	<0.1	115	0.28	0.055
1060058	Soil	1.4	82.8	11.7	114	0.2	79.9	25.8	846	4.37	55.8	0.8	16.4	3.6	19	0.2	1.2	0.2	65	0.26	0.081
1060060	Soil	1.3	64.3	6.3	99	0.1	84.1	21.4	516	3.98	28.3	0.7	2.5	2.3	20	0.1	0.5	0.1	94	0.20	0.062
1060061	Soil	1.5	50.4	6.3	86	<0.1	57.5	17.6	535	3.61	10.3	0.7	5.6	1.3	23	<0.1	0.5	0.1	96	0.34	0.083
1060063	Soil	0.9	72.0	3.1	76	<0.1	65.9	22.0	488	3.81	34.4	0.3	8.4	1.0	15	<0.1	0.3	<0.1	96	0.34	0.060
1060062	Soil	1.0	79.2	5.5	107	<0.1	91.2	27.3	600	4.11	22.9	0.5	1.6	2.6	15	<0.1	0.3	0.1	104	0.23	0.038
1060065	Soil	1.3	51.8	6.6	82	0.1	41.9	13.9	417	3.56	19.4	0.8	6.3	1.4	24	0.1	0.5	0.1	77	0.29	0.080
1060064	Soil	0.7	103.6	3.6	88	0.2	50.9	37.2	1437	6.30	337.3	0.2	47.1	0.6	19	0.2	1.2	<0.1	112	0.54	0.071
1060195	Soil	1.6	91.5	6.7	124	0.2	77.1	24.5	571	4.59	16.2	1.0	1.6	2.1	33	0.1	0.4	0.1	79	0.34	0.078
1060196	Soil	0.9	77.7	4.9	108	0.2	67.7	24.9	594	4.27	12.4	0.7	1.7	2.1	30	0.1	0.3	<0.1	83	0.46	0.097
1060198	Soil	1.2	82.5	5.6	92	0.3	71.6	20.7	438	3.32	12.1	0.8	5.8	1.4	34	0.2	0.4	<0.1	58	0.58	0.082
1060200	Soil	1.0	72.9	5.7	113	0.1	76.9	24.7	621	4.49	32.9	0.8	10.1	3.4	31	<0.1	0.3	<0.1	80	0.46	0.140
1060197	Soil	1.2	89.6	5.8	121	0.2	77.5	28.5	645	4.51	14.2	0.9	24.0	2.1	35	0.2	0.3	<0.1	88	0.51	0.093
1060199	Soil	1.2	103.7	6.7	126	0.2	122.5	35.2	533	3.85	22.7	1.3	6.8	3.5	57	0.2	0.4	0.1	57	0.46	0.124
1057734	Soil	1.4	103.8	5.9	122	0.2	83.2	32.2	908	5.66	22.7	0.8	3.8	1.7	37	0.1	0.4	0.2	130	0.71	0.077
1057735	Soil	1.0	93.9	5.4	132	0.2	81.4	27.9	781	5.32	25.6	0.8	6.0	2.6	29	<0.1	0.3	0.1	119	0.57	0.105
1057736	Soil	1.1	93.4	5.4	132	0.2	81.8	29.3	764	5.20	24.2	0.7	4.4	2.3	27	<0.1	0.3	0.1	109	0.52	0.088
1057737	Soil	1.2	92.5	5.5	114	0.1	80.2	30.5	747	4.73	25.1	0.7	9.3	2.6	28	0.1	0.3	0.1	90	0.46	0.108
1057738	Soil	1.3	80.9	4.2	120	0.1	76.4	28.9	702	4.87	17.2	0.6	3.9	2.1	26	<0.1	0.2	0.1	108	0.51	0.107
1057739	Soil	1.2	81.5	4.2	117	0.2	78.0	29.7	718	4.87	17.1	0.6	4.5	2.2	26	0.2	0.2	<0.1	112	0.53	0.105
1057740	Soil	1.8	137.7	4.8	142	0.3	103.8	41.6	1071	6.53	29.6	0.6	1.2	1.7	30	0.1	0.3	0.1	160	0.67	0.079
1057741	Soil	1.1	67.2	4.6	94	0.1	62.0	25.2	659	4.58	14.5	0.6	4.3	1.5	26	<0.1	0.3	<0.1	100	0.46	0.080
1057744	Soil	1.0	80.0	3.2	114	0.2	66.9	28.1	838	5.47	15.5	0.3	3.2	1.0	26	0.1	0.2	<0.1	135	0.71	0.113
1057742	Soil	1.3	79.6	4.4	109	0.2	64.1	27.0	789	5.33	17.4	0.5	1.6	1.2	28	<0.1	0.3	<0.1	126	0.66	0.077
1057551	Soil	1.5	59.8	9.0	96	0.3	56.5	19.0	598	3.72	67.3	0.9	28.0	1.6	36	<0.1	0.7	0.2	62	0.60	0.082
1057743	Soil	1.2	79.6	3.8	102	0.2	68.3	27.5	831	4.97	15.1	0.6	7.9	1.4	29	0.1	0.3	<0.1	116	0.58	0.082



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Part 2

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1060056	Soil	4	110	1.72	158	0.120	<1	2.54	0.022	0.19	<0.1	0.01	8.1	0.2	<0.05	7	<0.5	<0.2
1060054	Soil	12	73	1.27	115	0.120	<1	2.42	0.011	0.29	<0.1	0.02	5.2	0.2	<0.05	7	<0.5	<0.2
1060055	Soil	10	56	0.89	107	0.055	<1	1.85	0.012	0.11	<0.1	0.04	3.0	0.1	<0.05	6	0.6	<0.2
1060057	Soil	6	95	1.27	157	0.130	<1	2.59	0.012	0.28	<0.1	0.03	5.5	0.2	<0.05	7	<0.5	<0.2
1060059	Soil	7	99	1.36	207	0.158	<1	2.57	0.012	0.51	<0.1	0.02	6.3	0.3	<0.05	8	<0.5	<0.2
1060058	Soil	13	56	1.16	52	0.042	<1	2.11	0.012	0.08	<0.1	0.02	3.5	<0.1	<0.05	6	0.8	<0.2
1060060	Soil	12	102	1.23	107	0.100	<1	2.30	0.010	0.23	<0.1	0.03	4.4	0.2	<0.05	7	0.5	<0.2
1060061	Soil	8	83	1.11	146	0.092	<1	2.13	0.011	0.24	<0.1	0.04	4.0	0.2	0.05	7	0.8	<0.2
1060063	Soil	4	94	1.45	233	0.165	<1	2.21	0.011	0.44	<0.1	0.02	4.2	0.2	<0.05	8	0.6	<0.2
1060062	Soil	9	91	1.33	136	0.139	<1	2.36	0.009	0.39	<0.1	0.03	5.3	0.3	<0.05	7	<0.5	<0.2
1060065	Soil	11	55	0.89	88	0.067	<1	1.78	0.011	0.10	<0.1	0.03	3.2	0.1	<0.05	6	<0.5	<0.2
1060064	Soil	5	73	1.29	137	0.053	1	2.16	0.014	0.17	<0.1	0.04	14.4	0.1	<0.05	6	<0.5	<0.2
1060195	Soil	17	68	1.34	101	0.061	<1	2.48	0.011	0.12	<0.1	0.04	3.7	0.2	<0.05	7	0.9	<0.2
1060196	Soil	11	68	1.36	96	0.084	<1	2.27	0.008	0.19	<0.1	0.04	4.0	0.2	<0.05	7	0.6	<0.2
1060198	Soil	16	49	0.92	70	0.047	2	1.71	0.011	0.11	<0.1	0.06	2.7	0.1	0.05	5	1.4	<0.2
1060200	Soil	10	70	1.41	70	0.076	<1	2.36	0.010	0.23	<0.1	0.02	3.9	0.1	<0.05	7	0.8	<0.2
1060197	Soil	14	70	1.43	115	0.085	<1	2.55	0.009	0.26	<0.1	0.04	4.3	0.2	<0.05	7	<0.5	<0.2
1060199	Soil	19	51	1.04	66	0.057	<1	2.04	0.018	0.12	0.1	0.02	3.3	0.1	<0.05	5	0.6	<0.2
1057734	Soil	11	100	1.93	186	0.143	<1	3.22	0.010	0.49	<0.1	0.05	6.3	0.3	<0.05	9	0.7	<0.2
1057735	Soil	10	96	1.76	131	0.125	1	2.94	0.008	0.38	<0.1	0.05	5.7	0.2	<0.05	9	<0.5	<0.2
1057736	Soil	9	83	1.60	129	0.124	2	2.71	0.009	0.43	<0.1	0.04	4.9	0.3	0.06	8	<0.5	<0.2
1057737	Soil	9	68	1.44	116	0.113	2	2.40	0.008	0.43	<0.1	0.03	4.3	0.3	<0.05	7	0.7	<0.2
1057738	Soil	9	86	1.61	138	0.143	<1	2.66	0.008	0.46	<0.1	0.02	5.1	0.3	<0.05	8	0.5	<0.2
1057739	Soil	9	90	1.65	137	0.145	1	2.75	0.009	0.46	<0.1	0.03	5.2	0.2	<0.05	8	<0.5	<0.2
1057740	Soil	9	139	2.37	255	0.193	<1	3.73	0.008	0.68	<0.1	0.04	8.0	0.4	<0.05	11	0.8	<0.2
1057741	Soil	8	80	1.48	141	0.118	<1	2.44	0.009	0.35	<0.1	0.04	4.8	0.2	0.07	8	<0.5	<0.2
1057744	Soil	4	96	1.90	171	0.179	<1	2.98	0.007	0.78	<0.1	0.03	6.2	0.3	<0.05	9	<0.5	<0.2
1057742	Soil	6	98	1.81	191	0.163	<1	2.87	0.009	0.64	<0.1	0.05	6.2	0.2	0.09	9	<0.5	<0.2
1057551	Soil	11	51	0.92	82	0.031	1	1.82	0.010	0.07	<0.1	0.06	3.1	<0.1	0.11	5	0.5	<0.2
1057743	Soil	7	106	1.72	185	0.146	<1	2.70	0.009	0.56	<0.1	0.05	5.3	0.3	0.10	8	1.0	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
1057553	Soil	1.7	92.6	7.4	106	0.3	76.0	24.4	644	4.19	25.9	0.9	2.9	1.4	32	0.1	0.4	0.1	78	0.55
1057552	Soil	1.1	83.8	5.1	120	0.2	102.7	30.8	935	5.59	87.5	0.5	11.1	1.9	20	<0.1	0.5	<0.1	105	0.47
1060185	Soil	2.5	95.2	9.6	119	0.1	66.4	23.7	531	3.85	22.1	1.3	4.0	3.1	32	0.2	0.9	0.2	71	0.40
1060186	Soil	1.8	83.6	8.2	98	0.2	62.5	21.1	374	2.99	26.3	1.0	3.9	1.1	31	0.4	0.8	0.2	60	0.36
1060188	Soil	1.6	101.3	9.6	144	<0.1	120.2	37.5	673	4.09	24.0	1.1	8.0	2.3	36	0.4	0.7	0.2	69	0.37
1060187	Soil	2.0	100.0	11.0	148	<0.1	114.9	34.4	748	4.34	26.6	1.2	3.9	2.9	45	0.3	0.9	0.2	72	0.34
1060189	Soil	1.5	69.9	8.6	119	0.1	62.5	26.5	641	4.12	16.1	1.0	4.6	2.0	34	0.3	0.5	0.2	73	0.37
1060190	Soil	1.4	49.8	6.1	93	<0.1	46.1	19.5	520	3.30	11.4	0.8	3.6	1.8	27	0.1	0.4	0.1	66	0.34
1060191	Soil	1.4	72.4	7.7	100	0.1	63.2	24.4	634	3.73	16.0	0.9	8.0	2.2	34	0.3	0.5	0.1	69	0.40
1060192	Soil	1.4	73.8	8.0	110	0.2	68.2	26.7	752	4.55	15.5	0.9	5.7	2.2	37	0.1	0.5	0.2	88	0.37
1060193	Soil	1.7	105.3	8.4	120	0.2	90.2	32.8	752	4.68	16.5	1.0	7.1	2.2	46	0.1	0.6	0.2	86	0.45
1060194	Soil	1.1	85.6	7.3	128	0.1	89.2	28.7	701	5.11	13.8	0.8	2.2	3.1	57	0.1	0.4	0.1	85	0.48
1057555	Soil	1.2	95.7	8.8	135	0.3	105.6	29.1	852	5.40	48.2	1.1	9.4	2.5	31	0.2	0.6	0.2	90	0.63
1057554	Soil	1.3	93.4	8.8	122	0.2	98.2	31.0	872	5.43	36.7	0.9	5.3	2.2	32	0.1	0.6	0.2	92	0.55
1060122	Soil	1.3	81.3	6.9	111	0.3	74.2	23.0	593	4.44	19.4	1.4	2.8	4.9	22	0.1	0.3	0.2	89	0.27
1060118	Soil	1.2	62.6	5.1	98	<0.1	46.8	20.0	498	4.40	16.0	0.6	3.0	2.3	21	0.1	0.4	0.1	116	0.29
1060105	Soil	1.5	58.8	7.3	107	0.2	53.4	20.9	591	4.21	74.1	1.1	5.6	3.5	23	0.1	0.5	0.2	82	0.27
1060119	Soil	1.8	55.6	8.1	92	0.1	48.1	21.2	695	4.38	30.1	0.8	7.8	1.5	23	<0.1	1.2	0.2	95	0.31
1060117	Soil	1.1	62.4	5.0	96	<0.1	47.5	20.3	510	4.43	14.8	0.6	2.2	2.3	21	<0.1	0.3	0.1	115	0.31
1060101	Soil	1.5	83.9	8.8	113	0.3	76.6	27.2	944	3.89	51.6	1.2	15.9	4.1	28	0.3	1.1	0.2	59	0.33
1060108	Soil	1.2	63.2	6.4	115	0.2	61.1	20.3	540	4.24	22.6	1.1	4.1	4.2	24	<0.1	0.4	0.2	88	0.27
1060109	Soil	1.8	61.0	7.9	99	0.2	62.8	21.0	648	4.53	28.5	1.2	67.4	2.5	22	<0.1	0.6	0.2	95	0.25
1060107	Soil	1.4	56.9	6.2	111	0.2	53.7	19.4	522	4.22	40.2	1.1	3.4	3.9	21	0.2	0.4	0.1	93	0.25
1060110	Soil	1.1	64.2	6.4	109	0.2	67.0	19.7	579	4.28	10.6	1.1	3.0	3.8	20	0.1	0.4	0.2	84	0.25
1060106	Soil	1.4	53.5	7.5	97	0.2	50.9	18.5	478	3.84	39.5	0.9	7.4	2.1	21	<0.1	0.5	0.2	72	0.22
1060104	Soil	1.4	60.0	7.3	101	0.2	56.8	21.2	574	4.07	24.7	1.0	6.8	3.1	21	0.1	0.5	0.2	79	0.21
1060132	Soil	1.2	81.6	6.4	97	0.2	65.0	22.4	495	3.92	46.2	0.9	4.4	1.9	19	0.2	0.4	0.2	85	0.19
1060135	Soil	1.3	51.3	6.3	91	<0.1	53.2	18.6	472	3.93	11.0	0.7	2.9	1.3	19	<0.1	0.4	0.1	105	0.24
1060131	Soil	1.2	77.3	6.4	87	0.2	50.0	17.3	460	3.69	13.6	0.9	5.9	2.5	21	0.1	0.5	0.2	79	0.24
1060134	Soil	1.1	55.6	5.9	92	<0.1	50.7	16.7	478	4.15	12.5	0.7	4.7	1.6	18	0.1	0.4	0.1	114	0.23



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1057553	Soil	12	73	1.21	101	0.048	<1	2.26	0.013	0.09	<0.1	0.06	3.3	0.1	0.08	6	0.9	<0.2
1057552	Soil	8	130	1.99	139	0.092	<1	3.00	0.008	0.25	<0.1	0.02	5.2	0.1	<0.05	9	<0.5	<0.2
1060185	Soil	17	57	1.12	92	0.075	<1	1.97	0.017	0.09	0.1	0.05	4.0	0.2	0.06	5	0.7	<0.2
1060186	Soil	20	37	0.67	85	0.054	<1	1.35	0.015	0.06	<0.1	0.04	2.4	<0.1	0.11	4	<0.5	<0.2
1060188	Soil	14	51	0.98	91	0.053	<1	1.99	0.012	0.08	<0.1	0.03	2.9	<0.1	0.07	5	0.6	<0.2
1060187	Soil	14	58	1.13	113	0.059	<1	2.23	0.012	0.09	<0.1	0.03	3.4	0.1	0.06	6	0.6	<0.2
1060189	Soil	13	56	1.03	114	0.057	<1	2.14	0.014	0.09	<0.1	0.04	3.4	<0.1	0.07	6	<0.5	<0.2
1060190	Soil	10	51	0.94	80	0.069	<1	1.77	0.010	0.08	<0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
1060191	Soil	13	54	0.96	93	0.064	<1	1.90	0.012	0.08	<0.1	0.05	3.3	<0.1	0.07	5	0.7	<0.2
1060192	Soil	12	71	1.29	98	0.061	<1	2.50	0.011	0.12	<0.1	0.04	4.2	0.1	0.06	7	0.6	<0.2
1060193	Soil	16	68	1.29	92	0.054	<1	2.54	0.012	0.10	<0.1	0.04	4.6	0.1	0.06	7	<0.5	<0.2
1060194	Soil	13	74	1.51	87	0.064	<1	2.85	0.011	0.13	<0.1	0.02	4.3	0.1	<0.05	7	<0.5	<0.2
1057555	Soil	12	112	1.77	82	0.045	<1	3.08	0.009	0.12	<0.1	0.03	4.6	<0.1	<0.05	8	0.5	<0.2
1057554	Soil	13	110	1.71	95	0.057	<1	2.95	0.010	0.10	<0.1	0.03	4.8	0.1	<0.05	8	<0.5	<0.2
1060122	Soil	19	71	1.23	75	0.083	<1	2.61	0.009	0.20	<0.1	0.03	4.6	0.2	<0.05	7	0.5	<0.2
1060118	Soil	8	67	1.34	129	0.154	<1	2.66	0.011	0.45	<0.1	0.03	5.4	0.3	<0.05	8	<0.5	<0.2
1060105	Soil	14	61	1.10	94	0.095	2	2.23	0.011	0.18	<0.1	0.03	4.2	0.2	0.07	7	<0.5	<0.2
1060119	Soil	10	65	1.12	110	0.061	<1	2.40	0.010	0.19	<0.1	0.04	4.9	0.1	0.08	7	<0.5	<0.2
1060117	Soil	8	67	1.36	134	0.156	<1	2.75	0.012	0.47	<0.1	0.02	5.7	0.3	0.06	8	<0.5	<0.2
1060101	Soil	23	45	0.83	59	0.053	<1	1.72	0.012	0.08	<0.1	0.04	3.4	<0.1	<0.05	5	0.9	<0.2
1060108	Soil	17	67	1.14	94	0.111	<1	2.34	0.014	0.27	<0.1	0.02	4.2	0.2	0.08	7	<0.5	<0.2
1060109	Soil	14	93	1.28	107	0.088	<1	2.59	0.011	0.23	<0.1	0.05	4.3	0.2	0.11	7	<0.5	<0.2
1060107	Soil	13	67	1.19	115	0.129	<1	2.43	0.012	0.29	<0.1	0.04	4.7	0.2	0.07	7	<0.5	<0.2
1060110	Soil	13	78	1.18	75	0.089	<1	2.43	0.009	0.19	<0.1	0.04	4.1	0.2	<0.05	7	<0.5	<0.2
1060106	Soil	14	53	0.96	88	0.064	1	2.04	0.011	0.16	<0.1	0.04	3.4	0.2	0.11	6	<0.5	<0.2
1060104	Soil	14	65	1.09	111	0.079	1	2.28	0.012	0.19	<0.1	0.02	4.0	0.2	0.06	7	0.7	<0.2
1060132	Soil	15	60	1.03	93	0.070	1	2.16	0.008	0.18	<0.1	0.02	3.9	0.2	<0.05	6	0.5	<0.2
1060135	Soil	8	77	1.15	143	0.092	2	2.38	0.010	0.27	<0.1	0.02	5.0	0.2	0.06	8	0.6	<0.2
1060131	Soil	15	53	0.96	80	0.066	1	1.99	0.008	0.15	<0.1	0.03	3.7	0.2	<0.05	6	0.8	<0.2
1060134	Soil	9	85	1.29	148	0.112	1	2.54	0.009	0.38	0.1	0.02	5.4	0.2	<0.05	8	0.6	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1060130	Soil	1.1	63.7	6.0	91	<0.1	45.4	17.0	494	3.66	10.8	0.8	2.8	2.5	19	0.1	0.4	0.2	79	0.23	0.077
1060133	Soil	1.1	56.4	5.4	87	<0.1	48.6	18.3	490	3.89	15.0	0.7	141.5	1.8	20	0.1	0.4	0.1	97	0.25	0.070
1060129	Soil	1.1	53.4	6.1	81	0.1	56.5	22.8	448	3.25	15.8	0.7	4.0	1.5	19	0.1	0.4	0.1	64	0.24	0.046
1060116	Soil	1.6	52.0	6.6	88	<0.1	46.5	16.3	436	3.86	10.6	0.8	6.0	1.8	22	0.1	0.5	0.1	91	0.27	0.085
1060125	Soil	1.0	101.7	10.1	133	0.1	84.9	23.7	805	5.38	26.8	0.8	5.7	4.0	21	0.2	1.8	0.2	84	0.31	0.101
1060120	Soil	1.3	46.7	7.0	87	0.2	49.0	16.8	482	3.59	10.7	0.8	903.2	1.6	20	0.2	0.5	0.1	66	0.21	0.069
1060128	Soil	0.9	46.0	4.7	80	<0.1	40.8	14.2	415	3.37	10.6	0.8	4.1	2.7	17	<0.1	0.3	0.1	63	0.17	0.047
1060126	Soil	1.0	66.2	5.6	106	<0.1	59.5	20.2	521	4.27	16.1	0.8	1.7	2.6	18	<0.1	0.4	0.1	107	0.27	0.098
1060102	Soil	1.4	67.2	7.7	106	0.2	61.9	23.3	600	3.59	27.1	1.2	37.3	3.0	29	0.3	0.7	0.2	55	0.37	0.128
1060103	Soil	1.1	58.1	5.2	95	0.2	53.0	17.5	449	3.60	19.4	0.9	5.2	3.9	22	0.2	0.3	0.1	73	0.29	0.091
1060121	Soil	1.7	57.8	7.7	91	<0.1	43.8	15.6	430	3.66	13.2	1.0	3.2	1.3	21	<0.1	0.6	0.2	72	0.23	0.089
1060112	Soil	0.9	38.4	6.6	73	<0.1	40.6	14.7	425	3.09	13.1	0.6	7.3	1.4	17	<0.1	0.5	0.1	61	0.19	0.043
1060113	Soil	0.8	40.5	5.8	79	<0.1	49.9	16.7	446	2.94	60.3	0.5	143.1	1.9	16	0.2	0.5	0.1	61	0.19	0.039
1060114	Soil	2.0	53.9	8.5	81	<0.1	48.5	20.0	418	3.46	18.9	0.8	6.4	1.1	19	0.1	0.7	0.1	66	0.18	0.077
1060115	Soil	0.8	59.0	5.2	98	<0.1	88.9	25.5	529	3.89	17.6	0.8	4.0	2.9	20	0.1	0.3	0.1	80	0.25	0.083
1060123	Soil	1.3	61.3	6.0	92	<0.1	44.9	16.8	447	3.91	12.5	0.9	2.0	1.9	18	0.1	0.4	0.1	94	0.22	0.070
1060124	Soil	1.1	107.4	11.8	137	0.2	87.1	24.8	828	5.36	29.9	0.9	6.0	4.8	22	0.2	1.9	0.2	82	0.31	0.093
1060127	Soil	1.0	63.5	6.1	101	0.2	61.4	20.6	493	4.43	17.0	0.8	3.4	2.1	20	0.1	0.4	0.1	112	0.23	0.071
1060111	Soil	1.0	58.3	6.1	89	<0.1	56.1	17.8	458	3.34	11.6	0.9	2.5	2.6	17	0.1	0.6	0.1	57	0.21	0.072
1059924	Soil	1.2	68.9	7.6	83	0.2	62.2	21.5	716	3.49	17.8	0.7	3.9	1.4	23	0.2	0.4	0.2	48	0.39	0.089
1059912	Soil	1.7	36.9	9.7	67	<0.1	33.6	12.6	342	3.41	17.2	0.8	6.0	0.7	20	0.1	0.7	0.1	61	0.24	0.069
1059916	Soil	2.3	50.2	11.4	110	0.1	60.4	23.7	717	3.82	17.2	1.0	2.7	1.1	26	0.3	0.7	0.2	56	0.30	0.078
1059921	Soil	1.9	52.4	9.0	79	0.2	45.8	22.3	664	3.21	14.7	0.8	2.9	1.1	31	0.1	0.5	0.2	43	0.56	0.098
1059920	Soil	1.4	124.3	14.3	137	0.5	125.9	35.5	1190	5.48	30.7	1.1	6.0	3.7	51	0.3	0.6	0.4	44	0.33	0.091
1059919	Soil	1.2	120.9	13.5	132	0.4	119.5	34.8	1085	5.08	30.6	1.1	4.9	3.5	45	0.4	0.6	0.4	43	0.33	0.081
1059913	Soil	2.0	54.1	14.6	86	0.3	57.5	24.2	958	3.67	25.4	1.1	3.1	1.1	27	0.2	0.7	0.2	55	0.34	0.090
1059922	Soil	1.7	132.3	12.8	95	0.5	84.0	24.4	550	3.51	31.0	1.0	4.9	1.0	31	0.2	0.6	0.3	49	0.55	0.084
1059918	Soil	2.3	61.4	11.0	99	0.2	61.4	26.3	755	3.74	18.0	1.3	2.3	1.2	24	0.3	0.7	0.2	55	0.26	0.094
1059923	Soil	1.0	85.6	7.8	97	0.2	78.0	21.4	566	3.54	18.4	0.8	5.6	2.2	40	0.2	0.4	0.2	38	0.29	0.089
1059917	Soil	2.1	64.8	11.0	107	0.3	76.6	29.4	741	3.73	18.7	1.1	1.8	1.1	32	0.4	0.8	0.2	53	0.41	0.087



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1060130	Soil	12	57	1.01	93	0.076	1	1.94	0.008	0.17	<0.1	0.02	3.6	0.2	<0.05	6	<0.5	<0.2
1060133	Soil	10	66	1.11	123	0.094	<1	2.20	0.010	0.27	<0.1	0.02	4.6	0.2	<0.05	7	0.7	<0.2
1060129	Soil	9	47	0.84	66	0.059	1	1.72	0.010	0.09	<0.1	0.02	2.8	0.1	<0.05	5	<0.5	<0.2
1060116	Soil	9	64	1.04	114	0.086	1	2.04	0.009	0.22	<0.1	0.02	3.7	0.2	<0.05	7	0.6	<0.2
1060125	Soil	17	63	1.51	125	0.028	<1	2.91	0.005	0.21	<0.1	0.02	5.3	0.1	<0.05	9	<0.5	<0.2
1060120	Soil	11	48	0.91	72	0.045	1	1.99	0.010	0.10	<0.1	0.02	2.8	0.1	<0.05	6	0.8	<0.2
1060128	Soil	12	47	0.89	55	0.068	<1	1.88	0.008	0.12	<0.1	0.02	3.2	0.2	<0.05	5	0.5	<0.2
1060126	Soil	10	81	1.28	109	0.115	<1	2.65	0.008	0.33	<0.1	0.02	5.8	0.2	0.06	8	1.0	<0.2
1060102	Soil	22	39	0.79	62	0.044	<1	1.65	0.014	0.07	<0.1	0.03	3.0	<0.1	0.06	5	0.9	<0.2
1060103	Soil	14	55	0.96	105	0.090	<1	1.90	0.011	0.25	<0.1	0.01	4.0	0.2	<0.05	6	0.5	<0.2
1060121	Soil	15	51	0.92	83	0.048	<1	2.18	0.009	0.07	<0.1	0.02	3.2	0.2	0.05	6	0.7	<0.2
1060112	Soil	7	39	0.75	81	0.057	<1	1.77	0.010	0.07	<0.1	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
1060113	Soil	8	40	0.71	76	0.067	1	1.64	0.010	0.10	<0.1	<0.01	3.1	0.1	<0.05	5	<0.5	<0.2
1060114	Soil	13	45	0.78	68	0.041	<1	1.85	0.010	0.06	<0.1	0.04	2.4	0.1	<0.05	6	0.5	<0.2
1060115	Soil	11	81	1.21	87	0.090	<1	2.42	0.011	0.23	<0.1	<0.01	4.3	0.2	<0.05	7	<0.5	<0.2
1060123	Soil	10	65	1.10	94	0.090	<1	2.26	0.009	0.20	<0.1	0.02	4.6	0.2	<0.05	7	<0.5	<0.2
1060124	Soil	19	61	1.52	124	0.024	<1	3.00	0.005	0.21	<0.1	0.02	5.5	0.1	<0.05	9	0.6	<0.2
1060127	Soil	9	93	1.39	135	0.096	<1	2.92	0.009	0.25	<0.1	0.03	6.4	0.2	<0.05	9	0.7	<0.2
1060111	Soil	12	41	0.80	59	0.051	<1	1.86	0.008	0.08	<0.1	0.03	3.0	0.1	<0.05	5	0.6	<0.2
1059924	Soil	7	56	1.09	68	0.030	1	1.77	0.006	0.04	<0.1	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
1059912	Soil	10	43	0.72	86	0.034	<1	1.82	0.007	0.04	<0.1	0.03	2.3	0.1	<0.05	6	0.6	<0.2
1059916	Soil	10	43	0.84	76	0.031	2	1.71	0.007	0.05	<0.1	0.05	2.3	<0.1	0.07	6	0.6	<0.2
1059921	Soil	6	36	0.65	55	0.016	<1	1.31	0.007	0.03	<0.1	0.03	1.4	<0.1	0.09	5	0.6	<0.2
1059920	Soil	11	57	1.28	43	0.012	<1	2.49	0.005	0.04	<0.1	0.04	2.7	<0.1	<0.05	7	<0.5	<0.2
1059919	Soil	10	54	1.20	41	0.011	<1	2.38	0.004	0.05	<0.1	0.04	2.5	<0.1	<0.05	6	0.9	<0.2
1059913	Soil	15	49	0.86	89	0.023	<1	1.89	0.008	0.04	<0.1	0.07	2.8	<0.1	0.06	6	1.0	<0.2
1059922	Soil	7	41	0.70	61	0.035	1	1.40	0.013	0.05	<0.1	0.04	2.0	<0.1	0.07	5	1.4	<0.2
1059918	Soil	13	45	0.80	80	0.027	1	1.80	0.009	0.04	<0.1	0.05	2.3	<0.1	0.06	5	0.8	<0.2
1059923	Soil	7	40	0.93	45	0.021	<1	1.61	0.006	0.04	<0.1	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
1059917	Soil	11	46	0.80	84	0.028	1	1.77	0.009	0.05	<0.1	0.06	2.5	<0.1	<0.05	5	0.9	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

WHI11000852.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
1059915	Soil	2.0	92.9	12.6	140	0.3	87.4	30.9	1104	5.15	24.5	0.7	7.1	3.4	22	0.2	0.7	0.2	55	0.24	0.081
1059914	Soil	1.9	96.4	13.4	145	0.3	101.0	41.3	1154	5.31	23.7	0.7	4.7	4.1	20	0.2	0.7	0.2	55	0.24	0.078
1060100	Soil	1.4	50.6	8.3	82	0.2	48.2	17.2	611	3.48	22.7	0.9	2.2	2.5	18	0.1	0.5	0.2	53	0.23	0.085
1060088	Soil	1.4	51.7	8.9	80	<0.1	56.4	18.0	607	3.55	16.2	0.6	3.2	1.5	18	0.1	0.6	0.1	54	0.23	0.066
1060089	Soil	2.4	42.4	10.5	79	<0.1	46.8	17.2	664	3.64	14.9	0.7	2.0	0.7	20	0.1	0.8	0.2	62	0.22	0.089
1060090	Soil	1.0	47.8	6.5	74	<0.1	44.0	16.1	472	3.33	15.0	0.6	5.1	2.2	22	0.2	0.5	0.1	56	0.34	0.088
1060091	Soil	1.5	47.1	9.4	85	<0.1	46.2	16.0	539	3.84	25.2	0.7	35.6	1.2	17	0.1	0.6	0.1	56	0.20	0.056
1060092	Soil	1.9	36.7	8.9	79	<0.1	32.4	14.0	559	3.74	12.7	0.8	3.1	1.2	19	0.2	0.7	0.1	58	0.23	0.074
1060094	Soil	2.4	38.0	9.9	74	<0.1	32.0	11.7	402	3.26	13.1	0.8	3.9	0.9	21	0.1	0.8	0.2	62	0.26	0.079
1060093	Soil	1.1	46.6	6.5	99	<0.1	49.6	21.9	769	4.06	17.2	0.6	1.2	1.6	25	0.1	0.3	<0.1	59	0.35	0.102
1060095	Soil	2.0	38.0	9.1	65	<0.1	34.8	12.4	361	3.24	12.9	0.7	3.0	0.4	19	0.1	0.7	0.1	61	0.22	0.082
1060096	Soil	1.8	47.4	9.7	80	<0.1	47.3	18.6	599	3.49	13.8	0.7	1.9	1.1	20	0.1	0.7	0.1	59	0.24	0.069
1060097	Soil	1.2	61.2	7.5	87	<0.1	55.2	17.0	515	3.87	22.3	0.7	3.2	3.3	21	0.2	0.4	0.1	52	0.27	0.070
1060098	Soil	0.6	122.7	1.6	116	<0.1	40.8	31.8	869	5.72	28.0	0.2	<0.5	0.5	17	<0.1	0.2	<0.1	94	0.41	0.084
1060099	Soil	2.0	39.5	10.6	81	<0.1	39.1	15.7	546	3.56	22.7	0.6	2.1	1.1	22	0.2	0.8	0.2	64	0.32	0.060
1059901	Soil	1.5	38.2	6.9	71	<0.1	40.8	14.5	486	3.29	12.2	0.6	5.3	1.1	20	0.1	0.6	0.1	65	0.27	0.043
1059903	Soil	2.0	35.8	8.7	73	0.1	36.7	14.6	503	3.50	14.9	0.7	4.0	1.0	18	0.1	0.7	0.1	60	0.22	0.057
1059902	Soil	1.1	41.4	6.7	69	<0.1	43.5	14.9	419	3.13	12.3	0.6	2.7	1.8	20	0.1	0.5	0.1	57	0.27	0.032
1059904	Soil	1.7	38.4	9.0	75	<0.1	39.1	14.7	517	3.47	15.3	0.6	1.6	1.0	22	0.1	0.7	0.1	63	0.31	0.056
1059905	Soil	1.7	43.7	8.5	78	0.1	40.4	17.9	640	3.35	12.9	0.7	1.8	0.8	24	0.2	0.6	0.1	59	0.32	0.078
1059906	Soil	3.4	47.5	12.9	102	0.2	38.7	18.4	872	3.88	14.7	0.8	2.7	0.5	22	0.2	1.2	0.2	78	0.27	0.075
1059907	Soil	1.7	43.3	9.0	89	<0.1	46.8	16.6	420	3.52	17.0	0.6	1.3	1.1	20	0.3	0.8	0.2	58	0.26	0.032
1059908	Soil	0.6	55.4	9.2	115	0.1	59.3	24.1	977	5.10	19.2	0.4	2.0	1.8	15	0.3	0.1	<0.1	82	0.23	0.060
1059910	Soil	2.2	64.0	13.0	106	0.4	61.3	23.5	826	4.02	28.3	0.9	3.5	1.5	27	0.3	0.8	0.2	58	0.37	0.072
1059909	Soil	1.9	38.8	10.5	90	0.1	46.1	19.9	632	3.41	19.5	0.6	1.4	1.2	22	0.2	0.8	0.1	60	0.28	0.037
1059911	Soil	2.4	42.0	11.0	82	0.1	47.0	16.2	396	3.44	17.2	0.7	4.1	1.0	20	0.2	0.7	0.2	65	0.28	0.041



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CERTIFICATE OF ANALYSIS

WHI11000852.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1059915	Soil	8	58	1.25	73	0.013	<1	2.72	0.006	0.05	<0.1	0.04	2.7	<0.1	<0.05	7	<0.5
1059914	Soil	9	59	1.28	64	0.010	<1	2.71	0.005	0.05	<0.1	0.05	2.9	<0.1	<0.05	8	<0.5
1060100	Soil	12	47	0.87	55	0.045	<1	1.93	0.007	0.05	<0.1	0.03	2.7	<0.1	<0.05	5	<0.5
1060088	Soil	9	58	0.96	77	0.038	<1	1.93	0.007	0.05	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5
1060089	Soil	9	52	0.82	90	0.035	1	1.73	0.008	0.05	<0.1	0.03	2.0	<0.1	<0.05	6	<0.5
1060090	Soil	10	42	0.80	65	0.068	1	1.70	0.011	0.05	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5
1060091	Soil	9	46	0.86	82	0.034	2	1.91	0.007	0.04	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5
1060092	Soil	8	44	0.81	72	0.046	<1	1.74	0.008	0.05	<0.1	0.04	2.2	<0.1	<0.05	6	<0.5
1060094	Soil	8	41	0.72	81	0.036	1	1.81	0.009	0.04	<0.1	0.06	2.2	<0.1	<0.05	6	<0.5
1060093	Soil	7	78	1.38	94	0.063	<1	2.33	0.006	0.17	<0.1	0.02	2.9	0.1	<0.05	6	<0.5
1060095	Soil	8	41	0.73	80	0.036	2	1.76	0.008	0.04	<0.1	0.04	1.8	<0.1	<0.05	6	<0.5
1060096	Soil	9	46	0.86	93	0.047	<1	1.83	0.009	0.04	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5
1060097	Soil	13	42	0.97	73	0.058	<1	2.10	0.009	0.05	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5
1060098	Soil	2	37	2.79	353	0.138	<1	3.84	0.007	0.56	<0.1	<0.01	2.6	0.2	<0.05	7	<0.5
1060099	Soil	8	47	0.85	93	0.046	1	1.70	0.009	0.06	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5
1059901	Soil	7	49	0.86	74	0.064	<1	1.58	0.008	0.04	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5
1059903	Soil	8	44	0.79	77	0.045	<1	1.84	0.009	0.04	<0.1	0.03	2.2	<0.1	<0.05	5	<0.5
1059902	Soil	7	42	0.85	80	0.065	<1	1.74	0.009	0.04	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5
1059904	Soil	8	45	0.77	100	0.048	1	1.73	0.009	0.05	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5
1059905	Soil	9	42	0.80	105	0.040	<1	1.68	0.010	0.05	<0.1	0.04	2.2	<0.1	<0.05	5	<0.5
1059906	Soil	9	46	0.79	111	0.034	<1	1.79	0.007	0.05	<0.1	0.03	2.2	<0.1	<0.05	7	<0.5
1059907	Soil	6	47	0.81	76	0.051	2	1.51	0.007	0.04	0.1	0.02	2.1	<0.1	0.05	5	0.6
1059908	Soil	7	127	2.31	95	0.103	<1	2.92	0.003	0.32	<0.1	<0.01	3.5	0.5	<0.05	8	<0.5
1059910	Soil	9	51	0.82	112	0.024	<1	2.01	0.011	0.05	<0.1	0.04	2.4	<0.1	<0.05	6	0.7
1059909	Soil	8	48	0.88	108	0.048	2	1.76	0.008	0.04	0.1	<0.01	2.4	<0.1	<0.05	5	<0.5
1059911	Soil	7	46	0.77	67	0.049	<1	1.63	0.008	0.05	<0.1	0.03	2.1	<0.1	<0.05	6	<0.5



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Part 1

QUALITY CONTROL REPORT

WHI11000852.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
Pulp Duplicates		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1060970	Soil	0.7	43.3	6.4	79	0.2	42.4	14.1	475	3.32	16.6	0.4	2.5	2.1	34	0.2	0.3	0.1	52	0.57
REP 1060970	QC	0.7	42.9	6.5	77	0.2	39.7	13.3	462	3.18	15.9	0.4	0.7	2.1	33	0.2	0.3	0.1	50	0.57
1060984	Soil	0.6	36.4	6.0	74	0.3	33.8	13.1	525	2.81	9.2	0.4	2.5	1.5	46	0.3	0.6	<0.1	53	1.23
REP 1060984	QC	0.6	35.6	5.8	71	0.2	32.1	12.4	508	2.73	8.6	0.4	1.7	1.4	44	0.3	0.5	<0.1	51	1.19
1061228	Soil	1.4	37.4	8.8	84	<0.1	39.8	15.7	528	3.38	17.1	0.7	1.4	1.0	26	0.2	0.5	0.2	57	0.31
REP 1061228	QC	1.5	37.2	8.4	86	<0.1	39.8	15.7	527	3.47	17.0	0.7	0.9	1.0	26	0.2	0.5	0.2	60	0.32
1061209	Soil	1.3	70.6	9.9	95	0.3	61.9	22.4	699	4.05	47.2	1.1	3.7	2.1	33	0.2	0.5	0.2	71	0.40
REP 1061209	QC	1.4	70.4	10.1	94	0.3	61.7	22.6	700	4.09	47.8	1.1	4.1	2.0	35	0.2	0.6	0.2	72	0.41
1060066	Soil	0.8	59.3	7.1	77	0.2	71.2	21.7	524	3.25	300.3	0.6	370.3	2.4	16	0.2	0.6	0.2	68	0.19
REP 1060066	QC	0.9	56.3	6.8	77	0.1	69.5	21.8	525	3.19	300.5	0.6	230.3	2.4	16	0.2	0.7	0.2	68	0.18
1060195	Soil	1.6	91.5	6.7	124	0.2	77.1	24.5	571	4.59	16.2	1.0	1.6	2.1	33	0.1	0.4	0.1	79	0.34
REP 1060195	QC	1.5	96.6	7.1	125	0.2	80.6	24.5	568	4.55	16.6	1.1	7.1	2.3	34	0.2	0.4	0.2	82	0.37
1057744	Soil	1.0	80.0	3.2	114	0.2	66.9	28.1	838	5.47	15.5	0.3	3.2	1.0	26	0.1	0.2	<0.1	135	0.71
REP 1057744	QC	1.1	78.0	3.1	114	0.1	66.7	28.0	838	5.52	15.8	0.3	1.6	1.0	25	<0.1	0.2	<0.1	139	0.70
1060107	Soil	1.4	56.9	6.2	111	0.2	53.7	19.4	522	4.22	40.2	1.1	3.4	3.9	21	0.2	0.4	0.1	93	0.25
REP 1060107	QC	1.3	54.0	6.4	105	0.2	52.4	19.3	538	4.26	39.1	1.0	70.8	3.9	20	<0.1	0.4	0.1	87	0.24
1060120	Soil	1.3	46.7	7.0	87	0.2	49.0	16.8	482	3.59	10.7	0.8	903.2	1.6	20	0.2	0.5	0.1	66	0.21
REP 1060120	QC	1.4	44.5	6.7	87	<0.1	49.5	17.2	475	3.58	10.4	0.8	2.4	1.6	20	0.1	0.5	0.2	66	0.21
1059921	Soil	1.9	52.4	9.0	79	0.2	45.8	22.3	664	3.21	14.7	0.8	2.9	1.1	31	0.1	0.5	0.2	43	0.56
REP 1059921	QC	1.8	53.8	9.0	81	0.2	46.4	22.8	671	3.36	15.4	0.8	3.6	1.2	32	0.1	0.5	0.2	44	0.58
1059905	Soil	1.7	43.7	8.5	78	0.1	40.4	17.9	640	3.35	12.9	0.7	1.8	0.8	24	0.2	0.6	0.1	59	0.32
REP 1059905	QC	1.6	42.8	8.4	81	0.1	40.5	17.9	653	3.37	13.2	0.7	8.2	1.0	24	0.1	0.6	0.1	59	0.35
Reference Materials																				
STD DS8	Standard	13.6	115.2	124.4	325	1.9	40.7	8.0	664	2.64	28.0	2.8	122.2	7.1	69	2.4	5.8	6.7	47	0.73
STD DS8	Standard	13.1	112.2	129.8	309	1.8	38.1	7.8	613	2.41	26.9	2.8	124.5	6.4	64	2.5	5.7	6.8	42	0.64
STD DS8	Standard	13.7	109.1	127.4	298	1.6	38.1	7.3	594	2.35	24.2	2.7	121.8	6.9	57	2.2	4.8	5.6	39	0.69
STD DS8	Standard	12.9	104.8	124.9	313	1.8	36.6	7.2	608	2.43	26.5	2.5	117.5	6.4	62	2.4	5.3	6.4	39	0.66
STD DS8	Standard	12.6	105.6	121.6	305	1.6	36.6	7.1	596	2.41	25.2	2.6	101.7	6.2	60	2.2	5.0	6.5	40	0.64



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Vancouver BC V6C 1H2 Canada

Project:

GAR

Report Date:

August 12, 2011

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Part 2

QUALITY CONTROL REPORT

WHI11000852.1

Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1060970	Soil	9	48	1.02	109	0.050	2	1.81	0.013	0.07	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
REP 1060970	QC	9	48	0.98	105	0.047	2	1.80	0.012	0.07	<0.1	0.02	2.9	<0.1	<0.05	5	0.5	<0.2
1060984	Soil	10	41	0.87	146	0.060	2	1.41	0.021	0.07	<0.1	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
REP 1060984	QC	10	39	0.83	141	0.058	2	1.37	0.019	0.07	<0.1	0.03	3.2	<0.1	<0.05	4	<0.5	<0.2
1061228	Soil	8	45	0.85	87	0.046	1	1.86	0.010	0.05	<0.1	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
REP 1061228	QC	8	45	0.83	87	0.045	<1	1.75	0.010	0.05	<0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
1061209	Soil	14	57	1.16	109	0.064	<1	2.24	0.013	0.12	<0.1	0.03	3.6	0.1	<0.05	6	<0.5	<0.2
REP 1061209	QC	14	57	1.15	110	0.068	2	2.26	0.013	0.12	<0.1	0.04	3.5	0.1	<0.05	6	0.5	<0.2
1060066	Soil	9	48	0.88	77	0.076	<1	1.74	0.010	0.14	<0.1	0.03	3.5	0.1	0.05	5	<0.5	<0.2
REP 1060066	QC	9	49	0.81	76	0.074	1	1.67	0.009	0.13	<0.1	0.04	3.3	0.1	<0.05	4	0.7	<0.2
1060195	Soil	17	68	1.34	101	0.061	<1	2.48	0.011	0.12	<0.1	0.04	3.7	0.2	<0.05	7	0.9	<0.2
REP 1060195	QC	18	70	1.33	105	0.062	<1	2.60	0.012	0.12	<0.1	0.05	3.8	0.2	0.06	7	0.7	<0.2
1057744	Soil	4	96	1.90	171	0.179	<1	2.98	0.007	0.78	<0.1	0.03	6.2	0.3	<0.05	9	<0.5	<0.2
REP 1057744	QC	4	98	1.86	162	0.179	<1	2.87	0.007	0.76	<0.1	0.03	6.1	0.3	<0.05	9	<0.5	<0.2
1060107	Soil	13	67	1.19	115	0.129	<1	2.43	0.012	0.29	<0.1	0.04	4.7	0.2	0.07	7	<0.5	<0.2
REP 1060107	QC	13	66	1.21	114	0.127	<1	2.39	0.012	0.28	<0.1	0.03	4.5	0.3	0.06	7	0.6	<0.2
1060120	Soil	11	48	0.91	72	0.045	1	1.99	0.010	0.10	<0.1	0.02	2.8	0.1	<0.05	6	0.8	<0.2
REP 1060120	QC	11	48	0.89	72	0.045	<1	1.98	0.010	0.10	<0.1	0.02	2.7	0.2	0.07	6	0.6	<0.2
1059921	Soil	6	36	0.65	55	0.016	<1	1.31	0.007	0.03	<0.1	0.03	1.4	<0.1	0.09	5	0.6	<0.2
REP 1059921	QC	6	36	0.67	56	0.017	1	1.37	0.008	0.04	<0.1	0.05	1.5	<0.1	0.12	5	0.8	<0.2
1059905	Soil	9	42	0.80	105	0.040	<1	1.68	0.010	0.05	<0.1	0.04	2.2	<0.1	<0.05	5	<0.5	<0.2
REP 1059905	QC	9	42	0.78	105	0.039	<1	1.67	0.009	0.04	<0.1	0.03	2.3	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	127	0.62	279	0.121	2	0.94	0.101	0.44	3.0	0.22	2.5	5.4	0.21	5	4.8	5.2
STD DS8	Standard	13	117	0.61	281	0.109	3	0.90	0.121	0.43	3.0	0.24	2.5	5.3	0.17	4	4.9	4.8
STD DS8	Standard	14	114	0.60	271	0.111	3	0.94	0.094	0.42	2.9	0.20	2.1	5.2	0.08	4	4.8	4.6
STD DS8	Standard	13	110	0.60	277	0.102	3	0.87	0.085	0.42	2.9	0.22	2.0	5.5	0.12	4	4.5	5.6
STD DS8	Standard	13	111	0.60	274	0.101	2	0.89	0.095	0.41	2.9	0.22	2.5	5.4	0.17	5	4.9	4.9



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Part 1

QUALITY CONTROL REPORT

WHI11000852.1

		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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS8	Standard	14.0	112.3	127.6	314	1.8	40.0	7.9	617	2.52	27.7	3.1	110.0	7.6	70	2.2	5.9	6.6	44	0.75	0.080
STD DS8	Standard	13.1	110.6	110.1	303	1.7	37.2	7.4	606	2.43	26.9	2.5	108.6	6.3	59	2.5	5.1	5.8	40	0.67	0.080
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	2.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

WHI11000852.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	17	124	0.63	288	0.129	2	0.97	0.095	0.42	3.1	0.20	2.4	5.5	0.16	5	4.9	4.8
STD DS8	Standard	14	114	0.61	284	0.107	2	0.92	0.090	0.41	3.0	0.22	2.2	5.7	0.13	4	4.8	5.2
STD DS8 Expected		14.6	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	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Mike Skead
Receiving Lab: Canada-Whitehorse
Received: July 15, 2011
Report Date: August 13, 2011
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CERTIFICATE OF ANALYSIS

WHI11000853.1

CLIENT JOB INFORMATION

Project: GAR
Shipment ID:
P.O. Number
Number of Samples: 228

SAMPLE DISPOSAL

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

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

Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Ian Gendall

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	228	Dry at 60C			VAN
SS80	228	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	228	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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



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Part 1

CERTIFICATE OF ANALYSIS

WHI11000853.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
1057515	Soil	1.8	37.1	8.5	87	0.1	37.7	17.2	565	3.37	14.1	0.8	1.3	0.8	22	0.3	0.7	0.2	66	0.27	0.056
1057516	Soil	2.0	45.5	8.7	111	0.1	41.0	18.4	548	3.51	16.2	0.9	3.7	1.3	29	0.2	0.7	0.2	64	0.35	0.087
1057513	Soil	1.6	37.0	8.0	80	0.2	37.9	17.3	568	3.18	14.0	0.7	0.6	0.7	26	0.2	0.7	0.2	59	0.35	0.065
1057514	Soil	1.4	30.8	7.3	77	0.1	30.4	14.1	486	2.96	10.1	0.5	1.4	0.7	21	0.2	0.6	0.1	61	0.27	0.052
1057511	Soil	2.0	54.7	9.0	93	0.1	47.5	19.5	543	3.49	16.9	1.1	7.2	1.4	25	0.3	0.7	0.2	61	0.24	0.075
1057512	Soil	1.3	29.8	7.3	72	<0.1	31.6	14.4	504	3.14	10.7	0.6	<0.5	0.7	21	0.2	0.5	0.1	65	0.28	0.042
1057510	Soil	1.4	32.8	7.9	77	0.2	32.8	16.1	585	3.09	10.3	0.6	2.9	0.4	23	0.3	0.6	0.1	61	0.29	0.064
1057518	Soil	1.3	52.4	6.5	75	0.2	45.2	17.4	555	3.30	14.1	0.8	4.3	1.2	25	0.2	0.5	0.1	67	0.33	0.070
1057519	Soil	1.4	53.7	9.8	78	0.2	50.9	20.3	706	3.65	18.2	0.9	2.0	1.6	32	0.2	0.5	0.2	63	0.39	0.076
1057517	Soil	1.3	49.2	6.5	75	0.2	43.4	17.8	554	3.35	13.9	0.8	5.7	1.0	26	0.1	0.5	0.2	66	0.31	0.072
1057521	Soil	0.9	57.5	7.4	89	0.1	64.7	26.7	647	3.45	22.1	0.7	2.4	3.3	96	0.2	0.3	0.2	48	0.33	0.099
1057520	Soil	1.2	49.1	8.8	73	0.2	47.3	17.3	638	3.21	17.3	0.8	3.1	1.6	28	0.2	0.5	0.2	57	0.35	0.066
1057501	Soil	0.8	40.1	5.5	61	<0.1	44.7	17.8	457	2.83	9.6	0.6	0.6	1.8	23	0.1	0.4	0.1	50	0.24	0.051
1057502	Soil	0.7	51.7	4.3	67	<0.1	30.7	14.0	361	2.96	7.5	0.6	4.6	1.1	20	<0.1	0.2	0.1	69	0.27	0.092
1057503	Soil	0.8	48.9	4.7	76	<0.1	43.6	16.9	451	2.87	9.1	0.7	0.8	2.7	35	0.1	0.2	0.1	47	0.40	0.110
1057504	Soil	1.1	61.9	7.8	89	0.3	53.7	19.8	618	3.39	17.7	1.1	2.5	2.1	31	0.3	0.4	0.2	61	0.36	0.102
1057505	Soil	1.4	67.8	8.3	92	0.2	54.3	20.2	601	3.66	26.7	1.0	2.3	1.3	27	0.1	0.4	0.2	67	0.37	0.097
1057506	Soil	1.4	64.2	6.6	94	0.3	56.6	20.4	613	3.86	14.3	1.0	1.0	2.0	29	0.2	0.4	0.1	66	0.45	0.108
1057508	Soil	1.5	32.4	8.0	76	0.2	30.9	14.2	536	3.13	10.5	0.6	<0.5	0.4	22	0.2	0.5	0.1	65	0.26	0.068
1057522	Soil	1.1	47.7	6.8	83	0.1	47.8	18.3	552	3.33	11.3	0.8	2.5	2.0	25	0.2	0.5	0.1	60	0.34	0.081
1057507	Soil	1.4	40.4	8.3	85	0.2	38.8	18.3	669	3.27	22.6	0.8	9.6	0.7	28	0.2	0.5	0.1	62	0.38	0.075
1057509	Soil	1.2	47.3	7.0	74	0.2	48.4	20.0	535	3.10	16.2	0.7	3.3	1.1	26	0.2	0.4	0.1	57	0.30	0.064
1057526	Soil	0.8	60.5	6.5	95	0.2	67.0	24.8	572	3.68	12.8	1.3	256.0	3.8	50	0.2	0.2	0.1	51	0.48	0.145
1057525	Soil	1.5	45.7	7.3	76	0.1	44.0	16.5	447	3.31	11.7	0.7	2.2	1.1	23	<0.1	0.5	0.1	62	0.24	0.074
1057523	Soil	1.2	53.9	5.1	95	<0.1	42.6	16.2	581	4.08	9.3	0.8	1.7	2.3	22	<0.1	0.3	<0.1	91	0.29	0.094
1057524	Soil	1.2	44.1	6.6	87	<0.1	45.8	16.2	531	3.58	9.7	0.8	3.2	2.0	25	0.1	0.4	<0.1	64	0.28	0.067
1057666	Soil	1.3	100.7	6.8	134	0.3	99.2	32.8	810	5.27	110.6	0.9	9.3	1.8	27	<0.1	0.4	<0.1	121	0.56	0.106
1057665	Soil	1.2	79.4	6.2	114	0.2	81.8	27.7	666	4.66	30.2	0.8	3.9	1.8	27	<0.1	0.4	<0.1	102	0.32	0.088
1057667	Soil	1.1	85.7	6.7	126	0.2	95.2	28.9	695	4.92	154.8	0.9	14.5	2.5	23	<0.1	0.3	<0.1	97	0.36	0.093
1057668	Soil	1.4	97.1	7.7	120	0.3	92.6	27.3	679	4.86	111.1	1.1	11.5	1.5	30	<0.1	0.4	0.1	98	0.50	0.101



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Report Date: August 13, 2011

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CERTIFICATE OF ANALYSIS

WHI11000853.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1057515	Soil	8	46	0.78	82	0.045	1	1.72	0.010	0.04	<0.1	0.02	2.1	<0.1	<0.05	5	0.6	<0.2
1057516	Soil	10	48	0.87	76	0.055	2	1.75	0.017	0.06	<0.1	0.03	2.6	0.1	0.05	6	0.9	<0.2
1057513	Soil	9	45	0.77	83	0.039	1	1.63	0.011	0.05	<0.1	0.02	2.1	<0.1	<0.05	5	0.7	<0.2
1057514	Soil	7	41	0.73	96	0.046	<1	1.67	0.010	0.04	0.1	0.01	2.2	<0.1	<0.05	5	<0.5	<0.2
1057511	Soil	10	51	0.91	67	0.032	1	2.09	0.010	0.05	<0.1	0.03	2.5	<0.1	<0.05	5	0.9	<0.2
1057512	Soil	8	45	0.76	86	0.056	<1	1.68	0.009	0.05	<0.1	0.01	2.4	<0.1	<0.05	5	0.6	<0.2
1057510	Soil	8	42	0.74	92	0.043	<1	1.73	0.010	0.05	<0.1	0.03	1.9	<0.1	<0.05	5	0.5	<0.2
1057518	Soil	9	48	0.88	101	0.066	1	1.79	0.011	0.09	<0.1	0.02	2.8	0.2	<0.05	5	<0.5	<0.2
1057519	Soil	12	49	0.89	124	0.048	1	1.96	0.013	0.05	<0.1	0.03	3.3	0.1	0.05	5	0.7	<0.2
1057517	Soil	9	50	0.86	101	0.064	1	1.86	0.011	0.08	<0.1	0.04	2.7	0.2	<0.05	5	0.7	<0.2
1057521	Soil	9	40	0.91	66	0.033	<1	2.07	0.009	0.08	<0.1	<0.01	2.5	<0.1	<0.05	5	0.6	<0.2
1057520	Soil	11	45	0.79	113	0.050	<1	1.77	0.012	0.05	<0.1	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
1057501	Soil	7	37	0.73	55	0.063	1	1.66	0.011	0.05	<0.1	0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
1057502	Soil	7	28	0.50	48	0.073	<1	1.13	0.013	0.05	<0.1	0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1057503	Soil	9	38	0.80	53	0.057	<1	1.44	0.011	0.09	<0.1	<0.01	2.5	0.1	<0.05	4	0.6	<0.2
1057504	Soil	14	45	0.90	83	0.052	<1	1.82	0.012	0.09	<0.1	0.03	3.0	0.1	<0.05	5	0.7	<0.2
1057505	Soil	9	51	0.93	89	0.055	<1	1.91	0.009	0.10	<0.1	0.03	2.6	0.2	<0.05	6	0.9	<0.2
1057506	Soil	10	53	1.05	92	0.064	<1	1.99	0.011	0.13	<0.1	0.04	2.9	0.2	<0.05	6	0.8	<0.2
1057508	Soil	7	42	0.71	80	0.050	<1	1.55	0.012	0.05	<0.1	0.03	1.8	0.1	0.06	6	0.6	<0.2
1057522	Soil	9	47	0.91	72	0.072	1	1.90	0.012	0.08	<0.1	0.03	3.2	0.1	<0.05	5	0.5	<0.2
1057507	Soil	10	44	0.80	88	0.049	<1	1.72	0.011	0.07	<0.1	0.04	2.5	0.1	<0.05	5	0.6	<0.2
1057509	Soil	10	41	0.75	89	0.048	<1	1.70	0.012	0.05	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
1057526	Soil	11	41	0.89	50	0.048	<1	1.95	0.011	0.15	<0.1	<0.01	2.6	0.1	<0.05	5	<0.5	<0.2
1057525	Soil	8	46	0.84	91	0.063	<1	1.87	0.009	0.09	<0.1	0.02	2.4	0.1	<0.05	5	<0.5	<0.2
1057523	Soil	8	66	1.18	152	0.130	<1	2.38	0.010	0.33	<0.1	0.02	3.3	0.3	<0.05	7	<0.5	<0.2
1057524	Soil	10	47	0.90	90	0.074	<1	1.87	0.012	0.11	0.1	0.03	2.8	0.2	<0.05	5	<0.5	<0.2
1057666	Soil	11	120	1.87	210	0.109	<1	3.14	0.012	0.40	<0.1	0.04	6.1	0.3	<0.05	10	0.5	<0.2
1057665	Soil	11	88	1.41	129	0.102	<1	2.66	0.010	0.27	<0.1	0.03	4.9	0.2	<0.05	8	0.5	<0.2
1057667	Soil	11	101	1.59	119	0.096	<1	2.80	0.010	0.26	<0.1	0.02	5.3	0.2	<0.05	9	0.6	<0.2
1057668	Soil	16	94	1.50	139	0.078	<1	2.76	0.011	0.24	<0.1	0.04	4.7	0.2	0.08	8	0.9	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1057664	Soil	1.5	79.4	6.4	119	0.1	77.2	28.8	646	4.16	19.0	0.8	2.4	1.3	31	0.1	0.3	<0.1	89	0.40	0.109
1057663	Soil	1.8	84.1	6.7	123	0.2	66.7	30.7	769	5.10	37.0	0.7	4.2	0.9	25	<0.1	0.3	0.1	119	0.32	0.092
1057672	Soil	1.2	78.2	5.6	125	0.3	81.4	24.0	615	4.66	21.3	1.0	3.9	2.6	23	<0.1	0.2	0.1	87	0.34	0.096
1057671	Soil	1.1	74.0	5.5	117	0.2	85.4	23.0	665	4.48	19.0	0.7	2.7	2.5	23	<0.1	0.2	<0.1	91	0.37	0.081
1057670	Soil	1.1	87.2	6.2	118	0.2	108.7	26.8	686	5.04	36.8	0.8	4.3	2.7	21	<0.1	0.7	<0.1	107	0.37	0.091
1057652	Soil	1.5	87.7	7.2	107	0.1	100.8	32.5	603	3.95	14.5	1.1	3.0	3.0	27	<0.1	0.5	0.1	67	0.28	0.094
1057651	Soil	1.4	96.8	6.0	122	0.2	140.2	46.2	750	4.13	22.6	1.1	3.0	3.7	38	0.3	0.4	0.3	73	0.34	0.115
1057657	Soil	1.0	102.7	3.7	119	<0.1	87.2	38.4	617	5.30	16.6	0.4	1.7	1.2	27	0.1	0.3	0.2	131	0.61	0.079
1057653	Soil	2.1	67.4	8.7	97	0.1	51.7	18.9	489	4.08	12.6	1.1	1.1	2.4	25	0.2	0.8	0.3	74	0.24	0.085
1057654	Soil	1.2	95.4	8.0	134	0.2	115.3	32.9	758	4.59	20.4	1.2	4.4	4.7	27	0.3	0.9	0.2	77	0.33	0.101
1057655	Soil	1.1	97.1	6.5	137	0.2	103.5	35.2	743	5.23	20.9	1.1	3.0	3.8	30	0.3	0.5	0.2	116	0.45	0.115
1057661	Soil	1.3	88.2	4.3	103	0.2	75.3	29.2	547	4.62	15.6	0.6	3.7	1.3	29	0.1	0.4	0.2	106	0.59	0.068
1057659	Soil	1.2	82.1	3.4	99	0.1	79.6	31.6	631	4.72	15.6	0.4	3.6	0.9	23	0.2	0.3	0.2	100	0.57	0.063
1057656	Soil	0.9	87.6	2.9	114	<0.1	99.3	36.1	615	5.04	12.4	0.4	1.3	1.1	25	0.2	0.3	0.1	122	0.60	0.080
1057658	Soil	1.5	92.7	6.5	125	0.1	87.9	35.2	574	4.67	22.9	0.7	9.4	1.9	25	0.3	0.4	0.2	100	0.38	0.076
1057660	Soil	1.0	85.0	4.4	109	0.1	86.6	30.8	569	4.68	21.6	0.5	5.8	1.7	23	<0.1	0.3	0.1	100	0.48	0.072
1057662	Soil	1.4	96.2	5.0	119	0.2	92.5	32.0	663	5.06	34.4	0.7	10.6	1.6	25	0.2	0.4	0.1	113	0.59	0.082
1057678	Soil	1.0	68.1	6.3	112	0.3	70.7	21.0	604	4.17	44.7	1.1	3.6	3.7	27	0.1	0.5	0.2	58	0.36	0.086
1057684	Soil	1.1	59.8	6.5	106	0.2	72.7	18.8	572	4.21	30.1	0.9	4.9	3.2	23	0.1	0.4	0.2	58	0.31	0.088
1057682	Soil	1.0	57.1	6.7	104	0.1	75.5	19.9	545	3.79	30.8	0.9	3.7	1.9	25	0.1	0.5	0.2	59	0.36	0.098
1057676	Soil	1.5	72.5	6.6	106	0.3	73.2	21.1	652	4.22	36.2	1.0	3.3	1.6	35	0.1	0.4	0.2	78	0.53	0.086
1057679	Soil	1.0	55.0	6.3	94	0.2	56.6	17.0	555	3.70	21.7	1.0	3.1	3.2	27	0.2	0.4	0.2	57	0.35	0.093
1057677	Soil	0.9	57.1	5.9	98	0.2	58.7	19.0	550	3.82	22.8	1.0	6.7	3.5	25	0.2	0.3	0.2	61	0.35	0.092
1057680	Soil	1.0	61.0	6.5	105	0.1	63.1	18.6	605	4.10	25.3	0.9	4.2	3.3	22	0.3	0.4	0.2	61	0.31	0.100
1057681	Soil	1.3	69.9	7.4	122	0.3	73.9	22.3	662	4.29	39.6	1.1	8.6	3.1	29	0.3	0.5	0.2	74	0.43	0.108
1057675	Soil	1.2	58.8	6.6	105	0.2	61.9	20.5	529	4.20	26.7	0.9	7.7	2.6	25	0.2	0.4	0.2	67	0.31	0.075
1057674	Soil	1.3	58.5	7.5	109	0.2	63.1	18.3	601	4.02	26.5	0.9	3.6	2.2	22	0.4	0.5	0.3	71	0.34	0.088
1057673	Soil	1.1	69.0	5.8	113	0.3	79.3	20.1	589	4.41	21.6	0.9	3.8	2.7	24	0.3	0.4	0.2	85	0.37	0.080
1057669	Soil	0.9	78.5	5.4	114	0.2	94.9	23.9	667	4.64	31.8	0.8	2.5	3.4	24	0.2	0.5	0.2	97	0.37	0.107
1060919	Soil	1.0	54.0	5.5	84	0.1	43.1	13.0	369	3.66	9.1	1.0	6.1	3.1	23	0.2	0.4	0.2	78	0.28	0.071



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1057664	Soil	10	72	1.25	106	0.092	<1	2.38	0.010	0.27	<0.1	0.04	3.8	0.2	<0.05	8	0.6	<0.2
1057663	Soil	8	101	1.60	207	0.121	<1	2.88	0.012	0.30	<0.1	0.03	4.4	0.3	<0.05	10	0.7	<0.2
1057672	Soil	11	83	1.50	104	0.084	<1	2.81	0.007	0.25	<0.1	0.02	4.7	0.2	<0.05	8	0.6	<0.2
1057671	Soil	9	93	1.44	129	0.099	<1	2.53	0.007	0.28	<0.1	0.03	4.8	0.2	<0.05	8	<0.5	<0.2
1057670	Soil	10	128	1.74	134	0.111	<1	2.91	0.007	0.38	<0.1	0.03	6.0	0.3	<0.05	9	<0.5	<0.2
1057652	Soil	16	51	1.00	74	0.063	<1	2.03	0.013	0.11	<0.1	0.03	3.7	0.2	<0.05	6	0.6	<0.2
1057651	Soil	16	51	1.03	79	0.075	<1	2.15	0.018	0.21	<0.1	0.01	4.0	0.2	<0.05	6	0.6	<0.2
1057657	Soil	6	134	2.09	259	0.204	2	3.13	0.016	0.72	<0.1	0.02	4.7	0.3	<0.05	11	<0.5	<0.2
1057653	Soil	14	55	0.97	75	0.037	1	1.98	0.015	0.09	<0.1	0.02	3.0	0.1	0.06	6	0.8	<0.2
1057654	Soil	20	63	1.21	60	0.064	1	2.33	0.011	0.16	<0.1	0.02	4.2	0.2	<0.05	7	0.9	<0.2
1057655	Soil	15	88	1.56	163	0.106	1	2.82	0.015	0.34	<0.1	0.02	6.2	0.2	<0.05	8	<0.5	<0.2
1057661	Soil	8	95	1.65	237	0.119	1	2.61	0.014	0.53	<0.1	0.03	4.0	0.2	<0.05	9	0.5	<0.2
1057659	Soil	5	95	1.69	346	0.168	2	2.54	0.014	0.46	<0.1	0.02	3.1	0.3	<0.05	8	0.9	<0.2
1057656	Soil	5	162	2.14	259	0.206	3	3.07	0.013	0.77	<0.1	0.03	4.4	0.3	<0.05	10	<0.5	<0.2
1057658	Soil	10	84	1.47	163	0.117	2	2.61	0.014	0.47	<0.1	0.02	4.2	0.2	<0.05	8	<0.5	<0.2
1057660	Soil	7	94	1.68	199	0.127	<1	2.66	0.013	0.48	<0.1	0.02	4.1	0.2	<0.05	8	0.7	<0.2
1057662	Soil	9	110	1.81	202	0.130	2	2.90	0.014	0.50	<0.1	0.02	4.7	0.2	0.06	9	0.7	<0.2
1057678	Soil	14	59	1.16	64	0.049	1	2.23	0.012	0.12	<0.1	0.03	3.2	<0.1	<0.05	6	0.6	<0.2
1057684	Soil	11	77	1.26	85	0.035	1	2.32	0.010	0.09	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1057682	Soil	12	100	1.20	75	0.034	1	2.14	0.007	0.15	<0.1	0.03	2.7	<0.1	<0.05	6	<0.5	<0.2
1057676	Soil	18	78	1.20	121	0.043	2	2.23	0.011	0.15	<0.1	0.05	3.1	0.1	0.06	7	<0.5	<0.2
1057679	Soil	12	56	1.06	77	0.046	2	2.11	0.010	0.11	<0.1	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
1057677	Soil	14	58	1.07	71	0.053	2	2.09	0.008	0.12	<0.1	0.03	3.1	0.1	<0.05	6	0.8	<0.2
1057680	Soil	11	64	1.18	73	0.042	<1	2.20	0.007	0.11	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1057681	Soil	15	77	1.34	100	0.062	2	2.50	0.010	0.19	<0.1	0.03	3.9	0.1	<0.05	7	<0.5	<0.2
1057675	Soil	11	59	1.09	68	0.060	1	2.04	0.010	0.13	<0.1	0.05	2.8	0.1	<0.05	6	<0.5	<0.2
1057674	Soil	9	70	1.18	77	0.051	1	2.17	0.010	0.17	<0.1	0.05	2.9	0.2	<0.05	6	0.7	<0.2
1057673	Soil	11	92	1.39	99	0.081	2	2.44	0.009	0.24	<0.1	0.03	4.2	0.2	<0.05	7	0.5	<0.2
1057669	Soil	10	113	1.72	113	0.107	2	2.77	0.009	0.30	<0.1	0.02	5.0	0.2	<0.05	8	<0.5	<0.2
1060919	Soil	13	61	0.99	93	0.085	<1	2.09	0.011	0.16	<0.1	0.03	3.9	0.2	<0.05	7	<0.5	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1060918	Soil	1.3	54.3	4.9	92	0.1	46.4	15.7	437	3.90	12.4	0.8	2.2	3.7	24	0.2	0.4	0.2	85	0.29	0.069
1060920	Soil	1.1	60.3	6.0	97	0.1	50.9	16.8	452	3.83	10.1	1.1	1.8	4.7	22	0.2	0.4	0.2	80	0.27	0.084
1060923	Soil	1.2	61.2	5.2	103	0.2	39.0	15.1	472	4.18	8.1	1.0	2.2	4.9	26	0.2	0.4	0.2	89	0.30	0.081
1060924	Soil	1.4	49.4	7.5	101	<0.1	44.5	15.6	479	4.45	9.7	1.0	2.6	3.9	21	0.1	0.5	0.2	91	0.25	0.064
1060926	Soil	1.4	49.3	5.8	91	0.2	33.9	13.7	507	3.94	7.5	1.0	1.1	3.5	30	0.1	0.4	0.3	81	0.40	0.103
1060929	Soil	1.2	69.7	6.7	116	<0.1	69.5	22.7	517	4.06	14.7	1.0	7.2	3.6	31	0.3	0.5	0.3	83	0.30	0.085
1060921	Soil	1.2	65.2	5.8	98	0.2	50.5	17.1	450	4.07	15.3	1.1	197.5	4.7	26	0.1	0.5	0.2	82	0.30	0.066
1060922	Soil	1.3	40.8	6.3	87	<0.1	40.1	15.3	457	3.64	8.5	0.8	3.0	2.8	27	0.1	0.5	0.2	82	0.34	0.064
1060925	Soil	1.2	39.4	3.9	70	0.1	28.7	11.5	350	3.07	5.3	1.0	2.5	2.0	28	0.1	0.3	0.2	69	0.39	0.107
1060927	Soil	1.1	37.5	5.3	79	<0.1	42.4	15.1	434	3.71	7.5	0.7	2.1	3.1	21	0.1	0.3	0.2	95	0.26	0.051
1060928	Soil	0.9	53.5	4.2	99	0.1	45.4	14.9	422	3.99	9.6	0.9	2.9	5.6	23	<0.1	0.2	0.2	83	0.28	0.090
1060930	Soil	1.1	69.8	5.2	120	0.1	67.4	21.5	533	4.33	13.2	1.1	4.1	4.9	28	0.2	0.3	0.2	90	0.32	0.100
1060931	Soil	1.4	50.3	7.0	87	0.1	46.3	14.8	435	3.56	23.6	1.0	2.1	1.5	23	0.1	0.5	0.2	81	0.24	0.081
1060933	Soil	1.2	64.1	6.1	89	0.1	51.1	17.9	472	3.70	18.2	1.0	3.0	2.0	25	0.1	0.3	0.2	87	0.26	0.066
1060935	Soil	1.0	54.4	5.3	89	0.1	53.8	15.9	412	3.57	17.3	0.9	2.5	2.2	22	0.1	0.3	0.2	83	0.24	0.073
1060940	Soil	1.1	57.8	5.9	89	0.2	52.9	17.0	437	3.56	83.7	0.9	5.2	2.3	22	0.1	0.3	0.2	81	0.24	0.072
1060938	Soil	0.9	64.7	5.3	88	0.2	60.3	19.5	450	3.45	86.4	0.9	4.6	2.5	22	<0.1	0.2	0.2	83	0.24	0.063
1060936	Soil	1.1	59.3	5.8	92	0.2	52.0	18.7	471	3.69	49.9	1.0	5.9	2.1	24	<0.1	0.3	0.2	86	0.25	0.071
1060932	Soil	1.0	53.2	6.6	81	<0.1	59.8	17.2	489	3.38	112.5	0.8	10.3	1.8	18	0.1	0.4	0.2	76	0.17	0.054
1060934	Soil	0.9	52.8	4.6	87	0.1	52.7	15.5	381	3.45	16.2	0.8	3.1	2.2	23	0.1	0.2	0.2	83	0.27	0.084
1060937	Soil	1.0	66.6	6.9	101	0.2	61.1	21.9	515	4.05	122.7	1.0	7.9	2.8	25	0.2	0.3	0.2	95	0.29	0.074
1060939	Soil	0.9	57.2	5.3	88	0.2	54.0	17.9	447	3.56	81.0	0.9	165.6	2.3	21	0.2	0.3	0.2	81	0.22	0.065
1060941	Soil	1.3	62.2	7.4	96	0.3	54.2	18.2	484	3.88	95.9	1.3	9.6	1.6	28	<0.1	0.3	0.2	86	0.31	0.078
1060942	Soil	1.1	51.1	6.1	98	0.2	49.0	18.3	470	3.57	59.3	0.9	5.1	1.5	26	0.3	0.2	0.2	79	0.29	0.074
1060943	Soil	0.9	68.0	5.3	99	0.1	87.7	21.3	498	3.90	39.9	0.8	16.5	2.2	16	0.1	0.2	0.1	102	0.21	0.077
1060944	Soil	0.9	49.7	5.7	88	<0.1	55.9	14.4	386	3.34	24.0	0.8	14.2	1.8	17	0.1	0.2	0.2	79	0.19	0.067
1060945	Soil	0.6	51.3	3.7	82	0.1	62.0	15.6	384	3.34	22.2	0.6	3.0	2.8	18	<0.1	0.2	0.1	76	0.26	0.090
1060947	Soil	0.8	56.1	4.3	82	0.1	62.4	17.2	387	3.45	42.8	0.7	4.1	2.3	19	0.2	0.2	0.1	84	0.29	0.060
1060948	Soil	0.8	53.4	4.4	82	<0.1	58.7	17.0	391	3.59	24.3	0.8	3.8	2.3	18	<0.1	0.2	0.2	85	0.26	0.075
1060946	Soil	0.6	68.7	2.1	96	<0.1	45.7	22.5	692	4.57	36.1	0.3	2.2	1.0	21	<0.1	<0.1	0.1	126	0.38	0.097



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Part 2

CERTIFICATE OF ANALYSIS

WHI11000853.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1060918	Soil	14	65	1.12	127	0.108	2	2.26	0.013	0.27	<0.1	0.03	4.4	0.3	<0.05	7	<0.5
1060920	Soil	17	58	1.08	81	0.090	1	2.32	0.009	0.18	<0.1	0.02	4.4	0.3	<0.05	7	0.7
1060923	Soil	18	62	1.12	124	0.115	2	2.34	0.013	0.27	<0.1	0.03	4.9	0.3	<0.05	7	0.6
1060924	Soil	14	64	1.13	110	0.102	<1	2.34	0.010	0.22	<0.1	0.03	4.6	0.2	<0.05	8	0.6
1060926	Soil	16	59	1.06	107	0.081	<1	2.12	0.013	0.17	<0.1	0.04	4.1	0.2	0.06	7	<0.5
1060929	Soil	16	62	1.08	91	0.087	2	2.24	0.012	0.14	<0.1	0.02	4.1	0.2	<0.05	7	0.7
1060921	Soil	18	59	1.03	95	0.097	1	2.25	0.011	0.21	<0.1	0.02	4.4	0.3	<0.05	7	<0.5
1060922	Soil	12	57	0.95	123	0.097	1	1.94	0.011	0.20	<0.1	0.03	4.2	0.2	<0.05	7	<0.5
1060925	Soil	13	40	0.71	84	0.060	2	1.51	0.014	0.12	<0.1	0.04	2.6	0.2	0.08	5	0.6
1060927	Soil	11	72	1.13	128	0.124	<1	2.33	0.012	0.21	<0.1	0.02	5.0	0.2	<0.05	7	<0.5
1060928	Soil	16	63	1.14	110	0.114	1	2.31	0.010	0.23	<0.1	0.02	4.4	0.3	<0.05	7	<0.5
1060930	Soil	17	72	1.23	103	0.107	2	2.47	0.011	0.25	<0.1	0.02	4.7	0.2	<0.05	7	<0.5
1060931	Soil	13	64	0.93	98	0.062	1	1.99	0.011	0.15	<0.1	0.03	3.4	0.2	0.06	6	<0.5
1060933	Soil	10	64	1.02	120	0.080	<1	2.03	0.009	0.23	<0.1	0.01	4.0	0.2	<0.05	7	<0.5
1060935	Soil	10	75	1.13	143	0.080	1	2.06	0.009	0.31	<0.1	0.01	3.7	0.2	<0.05	7	<0.5
1060940	Soil	11	65	1.02	136	0.082	<1	2.01	0.009	0.28	<0.1	0.02	4.1	0.2	<0.05	7	<0.5
1060938	Soil	11	69	1.13	179	0.100	<1	2.07	0.009	0.36	<0.1	0.02	4.6	0.2	<0.05	7	<0.5
1060936	Soil	12	70	1.15	176	0.086	1	2.17	0.010	0.30	<0.1	0.02	4.5	0.2	<0.05	7	<0.5
1060932	Soil	10	71	1.02	96	0.080	1	2.02	0.010	0.19	<0.1	0.02	3.7	0.2	<0.05	6	<0.5
1060934	Soil	10	80	1.20	160	0.093	<1	2.07	0.010	0.38	<0.1	0.02	3.9	0.2	<0.05	7	<0.5
1060937	Soil	13	75	1.20	194	0.101	<1	2.27	0.011	0.37	<0.1	0.02	5.2	0.3	<0.05	8	<0.5
1060939	Soil	12	66	1.08	146	0.088	<1	2.02	0.009	0.30	<0.1	0.02	4.3	0.2	<0.05	7	<0.5
1060941	Soil	14	65	1.04	144	0.069	1	2.20	0.010	0.21	<0.1	0.03	4.0	0.2	<0.05	7	0.5
1060942	Soil	13	62	1.01	146	0.072	<1	2.07	0.010	0.20	<0.1	0.02	3.7	0.2	<0.05	7	<0.5
1060943	Soil	8	137	1.40	161	0.104	<1	2.62	0.007	0.44	<0.1	0.02	5.7	0.3	<0.05	8	<0.5
1060944	Soil	8	71	1.01	94	0.083	<1	2.18	0.007	0.20	<0.1	0.01	3.7	0.2	<0.05	6	<0.5
1060945	Soil	8	84	1.15	126	0.100	<1	2.01	0.008	0.38	<0.1	<0.01	4.1	0.2	<0.05	6	<0.5
1060947	Soil	8	94	1.20	137	0.111	<1	2.17	0.009	0.31	<0.1	<0.01	4.6	0.2	<0.05	7	<0.5
1060948	Soil	7	92	1.20	138	0.110	<1	2.39	0.008	0.28	<0.1	0.01	4.5	0.2	<0.05	7	<0.5
1060946	Soil	4	67	1.66	397	0.229	<1	2.75	0.010	1.27	<0.1	<0.01	7.0	0.4	<0.05	11	<0.5



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Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
1060949	Soil	0.9	43.6	6.3	82	0.1	46.1	15.8	422	3.59	28.0	0.9	3.6	1.3	20	<0.1	0.2	0.2	81	0.24	0.070
1060950	Soil	0.8	31.2	4.6	72	0.1	37.0	10.5	299	2.87	23.7	0.4	1.3	1.2	14	0.1	0.1	0.1	74	0.19	0.066
1060601	Soil	0.9	44.2	4.9	78	0.2	44.8	15.4	418	3.30	37.1	0.7	7.4	2.1	18	<0.1	0.2	0.2	76	0.25	0.084
1060627	Soil	0.8	34.5	5.3	57	<0.1	36.6	13.4	317	2.45	12.5	0.5	1.4	1.7	17	<0.1	0.3	<0.1	50	0.21	0.061
1060626	Soil	0.8	43.8	5.3	80	0.1	44.0	14.4	386	2.86	16.7	0.8	2.9	2.4	21	0.2	0.3	0.1	58	0.26	0.094
1060628	Soil	1.1	52.0	6.7	81	0.2	49.8	15.1	396	3.08	23.0	0.9	2.7	1.7	24	0.1	0.4	0.2	65	0.27	0.081
1060629	Soil	1.1	53.2	6.8	81	0.2	53.7	18.4	439	3.18	22.8	0.9	6.0	1.3	22	0.1	0.4	0.2	69	0.23	0.079
1060630	Soil	1.2	53.4	7.0	83	0.2	49.9	17.7	381	3.00	19.8	1.1	2.3	1.7	19	0.1	0.3	0.2	65	0.20	0.084
1060631	Soil	1.1	49.7	6.7	80	0.1	43.2	16.3	372	2.97	19.4	0.9	4.3	1.4	20	0.1	0.4	0.2	60	0.22	0.078
1060633	Soil	0.8	63.1	5.2	87	0.2	52.7	16.3	419	3.05	27.2	0.9	18.0	2.7	18	0.1	0.3	0.1	64	0.25	0.088
1060634	Soil	1.1	60.2	7.0	77	0.2	40.6	12.2	270	2.76	20.1	1.2	4.4	1.4	18	<0.1	0.5	0.2	62	0.20	0.084
1060632	Soil	1.2	52.7	7.1	77	0.2	41.1	16.0	386	2.80	20.0	1.1	4.3	1.6	20	0.2	0.4	0.2	58	0.21	0.084
1060603	Soil	1.2	48.7	8.3	75	0.1	44.2	18.3	540	3.25	165.6	0.7	11.6	1.9	21	0.2	0.5	0.1	62	0.27	0.074
1060604	Soil	0.8	42.1	5.0	75	0.1	39.6	14.6	441	3.11	30.7	0.5	2.4	1.7	17	0.2	0.3	0.1	70	0.30	0.073
1060607	Soil	0.8	46.3	6.3	79	0.1	40.3	15.4	433	3.06	65.7	0.8	3.7	2.4	21	0.1	0.3	0.1	57	0.31	0.099
1060605	Soil	0.9	39.7	5.3	73	0.2	34.1	14.8	556	2.91	23.7	0.6	1.9	2.1	16	0.1	0.3	0.1	61	0.24	0.073
1060602	Soil	1.1	45.4	7.0	72	<0.1	34.1	15.3	523	2.80	14.2	0.6	3.9	1.0	24	0.1	0.4	0.1	54	0.43	0.087
1060606	Soil	1.0	48.4	6.5	81	0.2	39.9	15.1	398	3.08	32.7	0.8	6.4	2.7	19	<0.1	0.4	0.1	57	0.24	0.080
1060609	Soil	0.6	71.8	5.3	93	0.1	55.8	22.7	643	4.02	44.7	0.5	5.5	1.9	18	0.2	0.2	0.1	96	0.42	0.103
1060608	Soil	0.5	69.1	5.0	108	0.1	50.0	24.4	775	4.70	55.3	0.5	3.3	1.8	21	<0.1	0.2	<0.1	126	0.51	0.117
1060611	Soil	0.9	58.4	6.7	83	0.1	47.8	17.7	488	3.33	84.6	0.7	7.5	2.6	15	0.2	0.3	0.1	74	0.28	0.084
1060612	Soil	0.9	61.8	4.5	78	0.1	40.9	18.7	541	3.53	31.8	0.6	3.9	1.4	14	0.1	0.3	<0.1	92	0.25	0.076
1060610	Soil	0.8	73.3	5.5	98	0.1	50.7	21.6	668	4.06	55.5	0.5	4.6	1.9	17	0.1	0.3	<0.1	100	0.39	0.100
1060613	Soil	0.9	59.2	4.6	72	0.2	49.2	15.0	452	3.42	33.8	0.6	3.5	1.4	12	<0.1	0.3	<0.1	93	0.24	0.064
1060614	Soil	0.5	70.5	4.4	77	0.1	67.1	20.5	563	3.82	14.5	0.5	1.9	1.2	15	0.1	0.3	<0.1	96	0.29	0.069
1060615	Soil	1.3	65.6	7.4	83	0.3	72.8	20.7	610	3.54	36.6	1.0	1.3	1.1	29	0.2	0.3	0.1	80	0.58	0.119
1060616	Soil	1.1	51.1	7.5	91	0.1	66.4	18.9	566	3.58	27.8	0.7	3.8	2.2	20	<0.1	0.3	0.1	89	0.31	0.091
1060617	Soil	0.9	58.1	6.1	85	0.1	57.5	18.7	459	3.25	27.4	0.8	2.9	2.8	22	<0.1	0.3	<0.1	68	0.30	0.079
1060619	Soil	1.1	63.3	6.5	87	0.2	66.5	20.6	499	3.63	42.3	0.9	3.0	2.6	20	0.2	0.4	0.1	83	0.28	0.076
1060618	Soil	0.7	56.9	5.6	85	0.1	57.8	18.0	466	3.35	26.9	0.7	5.2	2.9	21	0.1	0.3	<0.1	67	0.28	0.073



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1060949	Soil	9	74	1.04	145	0.075	<1	2.27	0.008	0.15	<0.1	0.03	3.6	0.2	<0.05	7	<0.5
1060950	Soil	5	62	0.96	96	0.104	<1	1.76	0.007	0.26	<0.1	0.02	3.6	0.2	<0.05	6	<0.5
1060601	Soil	8	67	1.03	129	0.091	<1	2.10	0.008	0.26	<0.1	<0.01	4.0	0.2	<0.05	6	<0.5
1060627	Soil	6	39	0.64	51	0.062	<1	1.25	0.008	0.08	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5
1060626	Soil	9	50	0.86	80	0.061	<1	1.61	0.010	0.12	<0.1	0.01	3.1	0.1	<0.05	5	<0.5
1060628	Soil	8	59	0.90	92	0.063	<1	1.77	0.012	0.11	<0.1	0.03	3.2	0.1	<0.05	5	0.6
1060629	Soil	9	66	1.03	110	0.067	<1	2.09	0.011	0.11	<0.1	0.02	3.5	0.1	<0.05	6	<0.5
1060630	Soil	10	58	0.94	85	0.060	<1	1.94	0.009	0.10	<0.1	0.02	3.5	0.2	<0.05	5	<0.5
1060631	Soil	8	49	0.87	81	0.057	<1	1.80	0.010	0.08	<0.1	0.02	2.8	0.1	<0.05	5	<0.5
1060633	Soil	8	54	0.89	81	0.078	<1	1.84	0.007	0.13	<0.1	0.02	3.3	0.1	<0.05	5	<0.5
1060634	Soil	13	51	0.88	79	0.055	<1	1.95	0.009	0.09	<0.1	0.03	3.2	0.2	<0.05	5	<0.5
1060632	Soil	10	47	0.86	83	0.057	<1	1.88	0.009	0.09	<0.1	0.03	3.0	0.1	<0.05	5	0.5
1060603	Soil	10	47	0.86	114	0.078	<1	1.61	0.011	0.19	<0.1	0.02	3.3	0.1	<0.05	5	<0.5
1060604	Soil	7	58	1.03	158	0.109	<1	1.72	0.008	0.34	<0.1	0.02	3.9	0.2	<0.05	5	<0.5
1060607	Soil	10	43	0.88	98	0.072	<1	1.60	0.009	0.20	<0.1	0.01	3.1	0.1	<0.05	5	<0.5
1060605	Soil	7	48	0.94	108	0.092	<1	1.62	0.008	0.25	<0.1	0.02	3.5	0.2	<0.05	5	<0.5
1060602	Soil	6	37	0.80	121	0.062	1	1.45	0.013	0.15	<0.1	0.05	2.3	0.1	<0.05	4	0.6
1060606	Soil	9	43	0.91	89	0.079	<1	1.71	0.009	0.20	<0.1	<0.01	3.1	0.2	<0.05	5	<0.5
1060609	Soil	6	75	1.40	254	0.129	<1	2.34	0.008	0.53	<0.1	<0.01	4.6	0.2	<0.05	7	<0.5
1060608	Soil	6	64	1.78	366	0.167	<1	3.12	0.006	0.83	<0.1	<0.01	6.2	0.2	<0.05	9	<0.5
1060611	Soil	8	54	1.04	125	0.097	<1	1.99	0.009	0.25	<0.1	0.01	3.5	0.2	<0.05	6	<0.5
1060612	Soil	6	66	1.26	192	0.110	<1	2.43	0.007	0.36	<0.1	0.01	4.7	0.2	<0.05	7	<0.5
1060610	Soil	6	64	1.42	273	0.136	<1	2.46	0.008	0.59	<0.1	<0.01	4.7	0.2	<0.05	7	<0.5
1060613	Soil	6	80	1.37	170	0.108	<1	2.60	0.007	0.37	<0.1	0.02	4.6	0.2	<0.05	7	<0.5
1060614	Soil	5	106	1.64	197	0.122	<1	2.74	0.009	0.36	<0.1	0.03	4.5	0.2	<0.05	7	<0.5
1060615	Soil	9	83	1.18	185	0.049	<1	2.14	0.011	0.13	<0.1	0.03	3.5	0.1	0.12	6	<0.5
1060616	Soil	7	92	1.28	109	0.068	<1	2.28	0.008	0.16	<0.1	0.02	3.9	0.1	0.05	6	<0.5
1060617	Soil	9	64	1.08	76	0.062	<1	2.01	0.008	0.13	<0.1	0.02	3.3	0.1	<0.05	5	<0.5
1060619	Soil	9	76	1.13	109	0.084	<1	2.17	0.009	0.22	<0.1	0.02	4.2	0.2	<0.05	6	<0.5
1060618	Soil	8	66	1.03	72	0.068	<1	1.92	0.008	0.12	<0.1	0.01	3.3	0.1	<0.05	5	<0.5



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Part 1

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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
1060620	Soil	0.7	69.3	5.2	80	<0.1	49.3	19.3	409	2.92	21.4	0.9	4.0	2.8	21	0.2	0.4	<0.1	58	0.31
1060621	Soil	0.8	42.2	4.9	70	<0.1	39.9	14.9	378	2.75	17.8	0.8	5.3	2.8	21	0.2	0.3	<0.1	61	0.36
1060622	Soil	0.7	44.5	5.2	73	0.1	44.4	15.2	424	2.86	16.2	0.8	3.6	2.4	19	0.1	0.3	<0.1	65	0.32
1060623	Soil	0.8	49.9	5.9	83	0.2	56.1	21.0	534	3.27	16.0	1.0	19.7	2.2	20	0.1	0.3	0.1	84	0.31
1060625	Soil	0.7	45.6	4.9	82	0.2	46.7	14.0	401	3.17	16.7	0.8	5.1	2.2	24	0.2	0.3	0.2	67	0.33
1060624	Soil	0.7	47.4	4.9	84	0.2	49.6	17.0	480	3.15	17.3	0.9	3.4	2.2	20	0.2	0.3	0.2	67	0.26
1060424	Soil	1.2	56.4	5.6	86	0.2	40.8	18.2	511	3.54	9.4	1.0	2.2	1.3	28	<0.1	0.4	0.1	75	0.32
1060427	Soil	0.7	50.9	4.3	81	0.2	44.0	18.5	366	3.43	7.0	0.9	2.7	2.1	22	<0.1	0.3	0.1	81	0.32
1060425	Soil	1.2	57.2	5.0	92	0.2	43.6	19.5	529	3.73	8.1	0.9	0.8	1.7	24	<0.1	0.4	0.1	82	0.31
1060409	Soil	1.1	67.9	5.9	95	0.2	57.6	19.9	478	3.68	13.6	1.0	5.3	3.2	20	0.1	0.3	0.1	77	0.27
1060423	Soil	1.0	63.9	5.2	98	0.3	54.1	18.6	420	3.66	10.1	1.1	9.0	2.7	20	0.1	0.3	0.1	87	0.32
1060408	Soil	1.2	68.1	6.0	104	0.2	54.2	21.7	546	4.13	14.1	1.0	2.3	2.4	21	<0.1	0.3	0.1	104	0.32
1060410	Soil	1.6	67.6	9.0	94	0.1	49.7	18.1	470	3.64	14.9	1.1	5.2	1.2	22	0.1	0.4	0.2	79	0.28
1060412	Soil	1.4	66.4	6.7	100	<0.1	53.2	21.5	514	4.05	13.4	0.8	1.9	1.0	20	0.2	0.4	0.1	100	0.25
1060407	Soil	1.4	62.5	7.1	102	0.2	58.7	21.3	554	3.93	14.9	1.1	3.5	2.4	20	0.1	0.3	0.1	90	0.31
1060419	Soil	1.7	60.4	6.8	88	0.1	48.1	17.8	430	3.94	12.4	0.8	2.0	1.3	26	0.1	0.4	0.1	98	0.33
1060422	Soil	1.3	58.1	5.0	88	0.2	42.1	19.4	512	3.16	9.4	1.1	3.1	1.0	27	0.2	0.3	0.1	76	0.41
1060421	Soil	1.4	60.4	6.0	96	0.1	46.7	18.7	528	3.47	13.5	1.1	3.8	1.6	24	0.1	0.4	0.1	79	0.35
1060411	Soil	1.2	66.7	7.6	109	0.2	59.9	22.0	547	3.97	14.6	1.1	2.6	2.0	23	0.2	0.4	0.1	94	0.32
1060426	Soil	0.9	61.4	5.9	86	0.3	47.8	15.7	376	3.32	7.9	1.4	6.1	2.2	23	0.1	0.3	0.1	90	0.35
1060416	Soil	1.4	66.1	5.8	103	<0.1	64.7	23.8	504	3.76	11.7	0.8	2.6	2.2	24	0.1	0.4	<0.1	85	0.31
1060413	Soil	1.6	69.0	12.8	102	0.1	58.7	23.9	602	4.12	17.5	0.9	2.5	1.6	23	0.2	0.4	0.1	102	0.30
1060414	Soil	1.4	68.4	6.7	100	<0.1	57.3	21.5	486	3.78	13.9	0.8	5.6	1.6	22	0.2	0.5	0.1	91	0.28
1060415	Soil	1.1	67.1	5.2	98	0.1	54.7	21.8	478	4.02	14.2	0.7	3.9	1.7	23	<0.1	0.3	<0.1	101	0.30
1060418	Soil	1.4	59.0	4.3	90	0.1	47.5	18.3	458	3.39	8.1	0.6	3.9	1.4	31	0.2	0.3	0.1	82	0.44
1056297	Soil	1.6	72.9	6.7	105	0.2	60.7	20.5	540	4.48	28.8	1.0	4.2	2.2	22	0.2	0.5	0.1	104	0.26
1056296	Soil	1.5	78.5	6.3	105	0.2	72.9	25.1	573	4.13	24.4	0.9	14.2	2.0	24	0.1	0.5	0.1	101	0.32
1056295	Soil	1.8	63.9	7.8	93	0.2	59.2	20.6	563	4.09	25.3	1.0	3.6	1.8	19	0.1	0.6	0.1	82	0.21
1060420	Soil	0.6	60.5	5.2	99	0.1	52.8	16.1	337	3.38	7.4	1.0	4.8	2.8	19	0.1	0.3	0.1	87	0.27
1060417	Soil	1.1	61.8	4.6	89	0.2	54.9	19.3	439	3.99	13.3	0.7	2.2	1.9	23	<0.1	0.2	0.1	93	0.36



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1060620	Soil	10	49	0.86	65	0.059	<1	1.72	0.009	0.08	<0.1	0.01	2.9	<0.1	<0.05	5	0.6	<0.2
1060621	Soil	9	48	0.85	72	0.068	<1	1.65	0.010	0.10	<0.1	<0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
1060622	Soil	9	53	0.91	77	0.069	<1	1.85	0.008	0.10	<0.1	0.02	3.4	0.1	<0.05	5	<0.5	<0.2
1060623	Soil	9	76	1.08	112	0.084	1	2.09	0.009	0.16	<0.1	0.03	4.3	0.1	<0.05	6	<0.5	<0.2
1060625	Soil	9	56	1.01	97	0.062	<1	1.90	0.010	0.15	<0.1	0.02	3.3	0.1	<0.05	5	<0.5	<0.2
1060624	Soil	9	65	1.08	102	0.061	2	2.03	0.008	0.17	<0.1	0.02	3.4	0.1	<0.05	6	0.6	<0.2
1060424	Soil	11	54	0.98	103	0.051	<1	2.03	0.011	0.12	<0.1	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
1060427	Soil	8	68	1.25	122	0.088	2	2.29	0.010	0.27	<0.1	0.03	3.6	0.2	<0.05	7	0.9	<0.2
1060425	Soil	9	63	1.16	131	0.064	1	2.25	0.009	0.22	<0.1	0.02	3.8	0.2	<0.05	7	<0.5	<0.2
1060409	Soil	10	58	1.04	69	0.069	<1	2.08	0.009	0.13	<0.1	0.01	3.7	0.1	<0.05	6	<0.5	<0.2
1060423	Soil	10	69	1.24	114	0.092	1	2.49	0.010	0.33	<0.1	0.03	4.9	0.2	<0.05	7	0.6	<0.2
1060408	Soil	10	81	1.34	123	0.101	1	2.58	0.011	0.21	<0.1	0.02	5.0	0.2	<0.05	8	<0.5	<0.2
1060410	Soil	11	55	0.90	105	0.048	<1	2.18	0.012	0.09	<0.1	0.03	3.2	0.2	0.08	7	0.6	<0.2
1060412	Soil	9	73	1.19	132	0.093	1	2.53	0.011	0.25	<0.1	0.01	3.6	0.2	<0.05	8	0.6	<0.2
1060407	Soil	11	73	1.25	118	0.068	<1	2.48	0.011	0.18	<0.1	0.02	4.2	0.2	<0.05	7	<0.5	<0.2
1060419	Soil	8	72	1.14	142	0.086	1	2.23	0.013	0.27	<0.1	0.03	3.8	0.2	0.08	7	<0.5	<0.2
1060422	Soil	10	55	0.98	138	0.049	<1	1.92	0.012	0.19	<0.1	0.03	3.3	0.1	0.09	6	<0.5	<0.2
1060421	Soil	10	63	1.03	131	0.059	<1	2.14	0.011	0.21	<0.1	0.03	3.9	0.1	0.07	7	0.8	<0.2
1060411	Soil	12	72	1.17	127	0.071	<1	2.56	0.011	0.19	<0.1	0.02	4.5	0.2	<0.05	8	1.0	<0.2
1060426	Soil	9	73	1.17	128	0.079	<1	2.45	0.010	0.22	<0.1	0.05	5.0	0.2	0.07	7	0.6	<0.2
1060416	Soil	9	62	1.07	127	0.083	<1	2.11	0.011	0.21	<0.1	0.01	3.9	0.2	<0.05	7	0.6	<0.2
1060413	Soil	9	79	1.26	157	0.080	2	2.56	0.013	0.26	<0.1	0.01	4.4	0.2	0.06	8	<0.5	<0.2
1060414	Soil	10	66	1.12	137	0.085	<1	2.28	0.012	0.21	<0.1	0.02	4.1	0.2	<0.05	7	0.8	<0.2
1060415	Soil	8	79	1.34	153	0.116	<1	2.53	0.014	0.39	<0.1	0.02	5.1	0.2	0.06	8	<0.5	<0.2
1060418	Soil	8	64	1.06	162	0.076	2	2.02	0.014	0.34	<0.1	0.03	3.8	0.2	0.19	6	<0.5	<0.2
1056297	Soil	10	81	1.28	109	0.085	2	2.52	0.011	0.23	<0.1	0.04	4.0	0.2	0.14	7	<0.5	<0.2
1056296	Soil	10	78	1.25	118	0.087	3	2.45	0.012	0.26	<0.1	0.02	4.5	0.2	0.13	7	<0.5	<0.2
1056295	Soil	10	61	1.08	73	0.069	1	2.23	0.017	0.18	<0.1	0.02	3.4	0.1	0.08	6	<0.5	<0.2
1060420	Soil	8	78	1.36	124	0.092	1	2.56	0.010	0.36	<0.1	0.04	5.2	0.2	0.08	8	0.5	<0.2
1060417	Soil	7	81	1.37	122	0.107	<1	2.49	0.011	0.44	<0.1	0.03	4.3	0.2	0.09	7	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
1056298	Soil	1.7	43.4	9.5	79	<0.1	46.8	16.1	443	3.69	26.4	0.8	3.6	1.4	18	<0.1	0.6	0.1	78	0.22
1060402	Soil	1.4	78.3	6.2	126	0.2	73.7	26.6	673	4.82	19.4	1.1	3.3	3.8	22	<0.1	0.4	0.1	106	0.27
1060404	Soil	1.2	72.4	5.9	107	0.2	69.1	24.0	658	4.37	14.0	0.9	1.4	2.3	23	0.1	0.3	0.1	107	0.37
1060406	Soil	1.1	52.9	5.4	91	0.2	48.0	16.5	449	3.47	12.8	0.9	2.3	1.5	24	<0.1	0.4	0.1	79	0.35
1060405	Soil	1.2	70.3	6.1	92	0.2	62.1	21.7	639	4.01	14.2	0.9	2.7	1.7	24	0.1	0.4	0.1	91	0.37
1060403	Soil	1.4	86.5	6.4	122	0.3	74.5	26.7	686	4.80	35.1	1.2	5.7	2.3	24	<0.1	0.4	0.1	115	0.34
1060401	Soil	1.4	75.0	10.2	109	0.2	75.9	22.7	626	4.26	83.5	1.3	26.7	3.4	24	0.2	0.9	0.2	68	0.32
1056300	Soil	1.1	70.9	7.1	95	0.1	69.8	21.4	530	3.50	51.3	1.0	26.5	3.9	24	0.2	0.5	0.1	58	0.38
1056299	Soil	1.3	63.2	7.2	79	0.1	64.1	21.2	462	3.34	19.0	0.8	4.1	2.0	20	0.2	0.5	0.1	62	0.25
1061356	Soil	1.3	70.0	6.4	90	0.2	51.5	19.1	483	3.68	13.0	1.0	6.8	3.3	24	0.1	0.3	0.1	72	0.30
1061354	Soil	1.7	58.9	7.5	95	0.1	46.3	18.2	510	3.76	11.7	1.2	6.8	2.5	33	0.2	0.4	0.2	72	0.42
1061357	Soil	0.9	79.5	5.1	105	0.1	59.5	20.6	520	3.97	10.4	1.1	11.5	3.9	25	0.2	0.3	0.1	92	0.34
1061351	Soil	1.4	71.0	8.0	99	0.1	68.3	20.2	461	3.88	20.0	1.2	3.6	3.4	25	0.2	0.5	0.2	82	0.29
1061353	Soil	1.3	58.6	7.9	104	0.2	53.3	21.8	541	3.69	26.0	1.1	6.7	2.9	24	0.4	0.4	0.1	86	0.32
1061360	Soil	1.3	64.5	8.7	96	0.2	56.9	20.5	561	4.02	16.1	1.2	12.9	2.8	33	0.1	0.4	0.2	73	0.32
1061352	Soil	1.4	53.4	7.8	84	0.2	44.9	15.6	491	3.50	13.3	1.1	3.6	2.2	27	0.2	0.5	0.2	68	0.33
1061362	Soil	1.6	80.5	8.1	103	0.4	57.9	22.1	604	4.27	19.7	1.6	5.0	3.4	41	0.2	0.4	0.2	89	0.51
1061359	Soil	1.2	62.0	5.7	104	0.2	54.2	18.9	504	4.02	13.4	1.0	7.1	3.1	22	<0.1	0.3	0.1	100	0.21
1061358	Soil	1.0	53.7	5.1	92	0.1	54.4	19.2	552	3.83	10.1	0.8	2.2	2.4	25	0.1	0.3	0.1	96	0.33
1061355	Soil	1.1	67.3	8.3	104	0.2	73.7	21.0	604	4.10	16.4	1.1	4.5	3.5	35	0.2	0.4	0.2	92	0.36
1061361	Soil	1.6	67.9	8.2	101	0.3	50.9	20.1	563	4.09	17.4	1.3	4.3	3.1	26	0.1	0.4	0.2	95	0.25
1061363	Soil	1.0	62.2	6.0	101	0.2	56.5	20.5	532	4.16	15.4	1.0	11.3	3.2	28	0.1	0.3	0.1	99	0.38
1061366	Soil	1.1	69.4	6.9	113	0.2	57.1	22.1	659	4.50	22.2	1.1	4.3	3.4	31	0.1	0.3	0.2	95	0.46
1061364	Soil	1.5	60.1	6.4	106	0.2	54.2	22.6	613	4.32	15.2	1.1	4.1	2.8	29	<0.1	0.3	0.1	102	0.35
1061367	Soil	1.4	65.7	6.8	104	0.2	52.1	20.0	602	4.14	15.6	1.2	8.5	3.3	31	0.2	0.4	0.2	84	0.38
1061370	Soil	1.1	69.0	6.9	112	0.2	58.2	21.7	570	4.21	30.2	1.4	5.1	4.8	29	0.3	0.3	0.2	80	0.35
1061369	Soil	1.2	66.4	6.5	110	0.2	55.5	22.3	568	4.12	19.7	1.2	3.9	3.8	29	0.2	0.3	0.2	86	0.34
1061371	Soil	0.9	72.6	5.3	103	0.2	65.1	20.5	491	4.03	26.5	1.1	4.6	4.4	26	0.3	0.3	0.1	88	0.36
1061372	Soil	1.2	72.1	6.8	110	0.2	73.9	23.5	574	4.33	26.3	1.1	5.3	3.3	28	0.2	0.3	0.1	98	0.34
1061373	Soil	0.9	63.2	6.4	98	0.1	57.2	19.0	479	3.87	22.7	1.1	6.1	3.7	29	0.2	0.3	0.1	79	0.31



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Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1056298	Soil	8	60	0.99	88	0.059	2	2.05	0.010	0.08	<0.1	0.03	3.0	<0.1	0.08	6	<0.5	<0.2
1060402	Soil	13	95	1.51	127	0.103	<1	2.90	0.011	0.22	<0.1	0.01	5.3	0.2	0.08	8	<0.5	<0.2
1060404	Soil	10	98	1.44	163	0.089	2	2.59	0.012	0.32	<0.1	0.02	5.0	0.2	0.10	8	<0.5	<0.2
1060406	Soil	9	66	1.13	149	0.063	1	2.19	0.015	0.20	<0.1	0.02	3.6	0.1	0.10	6	<0.5	<0.2
1060405	Soil	9	88	1.29	195	0.079	<1	2.44	0.013	0.31	<0.1	0.03	4.4	0.2	0.09	7	<0.5	<0.2
1060403	Soil	10	102	1.52	154	0.091	<1	2.86	0.011	0.31	<0.1	0.03	5.4	0.2	0.10	8	0.7	<0.2
1060401	Soil	13	61	1.12	72	0.046	1	2.19	0.014	0.09	<0.1	0.02	3.9	<0.1	0.06	6	0.5	<0.2
1056300	Soil	12	45	0.93	46	0.039	<1	1.72	0.011	0.08	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
1056299	Soil	10	48	0.84	75	0.063	1	1.80	0.014	0.07	<0.1	0.05	2.9	<0.1	0.06	5	<0.5	<0.2
1061356	Soil	12	54	0.94	69	0.074	1	1.98	0.014	0.12	<0.1	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
1061354	Soil	11	55	0.96	99	0.056	<1	2.03	0.013	0.13	<0.1	0.04	3.4	0.1	0.08	6	0.8	<0.2
1061357	Soil	12	65	1.16	157	0.124	1	2.30	0.013	0.32	<0.1	0.01	5.2	0.2	<0.05	6	<0.5	<0.2
1061351	Soil	12	71	1.12	89	0.088	<1	2.26	0.013	0.17	<0.1	0.02	4.2	0.2	0.06	6	<0.5	<0.2
1061353	Soil	12	66	1.13	142	0.109	1	2.28	0.013	0.19	<0.1	0.04	4.9	0.2	<0.05	7	<0.5	<0.2
1061360	Soil	14	59	1.02	88	0.071	2	2.14	0.013	0.14	<0.1	0.04	3.6	0.2	0.07	6	<0.5	<0.2
1061352	Soil	10	55	0.96	95	0.053	2	2.04	0.012	0.13	<0.1	0.04	3.3	0.1	0.08	6	<0.5	<0.2
1061362	Soil	20	70	1.13	134	0.076	2	2.43	0.017	0.23	<0.1	0.05	4.7	0.2	0.11	7	<0.5	<0.2
1061359	Soil	11	86	1.34	256	0.168	<1	2.49	0.017	0.51	<0.1	<0.01	5.2	0.3	0.08	8	<0.5	<0.2
1061358	Soil	9	90	1.42	258	0.133	1	2.41	0.014	0.39	<0.1	0.02	4.9	0.2	0.08	7	<0.5	<0.2
1061355	Soil	12	92	1.26	141	0.094	<1	2.51	0.017	0.28	<0.1	0.03	5.1	0.3	<0.05	7	<0.5	<0.2
1061361	Soil	13	77	1.20	146	0.113	2	2.47	0.012	0.23	<0.1	0.03	5.0	0.2	0.06	8	<0.5	<0.2
1061363	Soil	11	86	1.36	184	0.144	<1	2.54	0.015	0.40	<0.1	0.02	5.5	0.2	0.07	8	<0.5	<0.2
1061366	Soil	13	73	1.35	142	0.104	1	2.59	0.018	0.30	<0.1	0.05	4.7	0.2	0.06	8	<0.5	<0.2
1061364	Soil	11	82	1.34	197	0.126	<1	2.54	0.014	0.34	<0.1	0.03	5.2	0.2	0.08	8	<0.5	<0.2
1061367	Soil	17	67	1.14	120	0.092	1	2.22	0.018	0.19	<0.1	0.03	4.3	0.2	0.10	7	<0.5	<0.2
1061370	Soil	17	65	1.18	114	0.094	2	2.36	0.023	0.20	<0.1	0.03	4.5	0.2	0.06	7	<0.5	<0.2
1061369	Soil	16	62	1.12	108	0.102	2	2.19	0.015	0.23	<0.1	0.02	4.4	0.2	0.07	7	0.6	<0.2
1061371	Soil	14	82	1.31	138	0.118	<1	2.46	0.015	0.32	<0.1	0.01	4.8	0.2	<0.05	7	<0.5	<0.2
1061372	Soil	14	110	1.49	154	0.115	<1	2.75	0.016	0.22	<0.1	0.03	5.2	0.2	0.06	8	<0.5	<0.2
1061373	Soil	13	69	1.14	103	0.092	<1	2.31	0.017	0.20	<0.1	0.02	4.4	0.2	0.05	6	<0.5	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

WHI11000853.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
1061368	Soil	1.1	67.0	6.0	104	0.2	55.9	21.1	555	3.93	20.3	0.8	9.1	3.1	27	0.2	0.3	0.2	80	0.31	0.104
1061374	Soil	1.0	66.9	6.0	99	0.2	55.3	18.7	500	3.85	15.2	0.8	8.1	2.9	27	0.2	0.2	0.2	78	0.29	0.104
1061365	Soil	1.2	61.3	6.6	109	0.3	53.7	19.6	578	4.23	17.5	0.7	3.0	2.9	23	0.3	0.5	0.2	93	0.25	0.083
1061377	Soil	1.1	74.1	6.3	107	0.2	60.4	23.7	502	3.80	19.8	0.7	11.8	3.1	26	0.2	0.3	0.2	74	0.27	0.094
1061375	Soil	1.0	62.5	6.2	98	0.1	49.8	18.0	498	3.80	17.1	0.7	4.6	2.8	26	0.2	0.3	0.2	79	0.31	0.104
1061379	Soil	1.1	50.5	6.9	93	0.2	44.0	19.3	455	3.55	14.4	0.7	4.9	2.1	17	0.1	0.3	0.2	75	0.20	0.085
1061378	Soil	1.3	62.9	6.7	104	0.2	50.3	18.7	539	4.05	16.0	0.9	3.1	3.0	20	0.2	0.3	0.2	88	0.24	0.085
1061376	Soil	1.6	61.9	7.0	91	0.3	46.7	16.4	445	3.62	16.7	1.0	3.0	1.6	27	0.1	0.4	0.2	73	0.28	0.110
1061382	Soil	0.8	70.2	6.2	103	0.2	67.3	20.1	518	3.96	22.4	0.7	189.0	3.7	19	0.1	0.2	0.2	99	0.30	0.115
1061380	Soil	1.0	51.5	7.0	98	0.3	45.6	17.2	419	3.64	15.3	0.9	3.2	2.1	19	<0.1	0.3	0.2	83	0.21	0.082
1061381	Soil	1.2	51.7	6.3	92	0.3	40.2	17.4	500	3.55	15.8	1.1	4.4	1.9	23	<0.1	0.3	0.2	78	0.25	0.092
1061383	Soil	0.8	67.9	5.4	99	0.1	65.0	19.0	498	3.87	21.4	0.8	7.2	3.7	18	0.1	0.2	0.2	95	0.28	0.109
1061384	Soil	1.0	55.1	6.0	94	0.2	47.6	18.4	474	3.48	30.7	0.9	7.9	2.6	18	0.2	0.3	0.2	81	0.23	0.095
1060272	Soil	1.2	60.8	6.9	78	0.1	45.2	18.3	491	3.26	12.3	0.7	3.5	2.0	20	0.1	0.4	0.2	49	0.23	0.062
1060273	Soil	1.2	60.2	8.5	80	0.1	53.0	21.1	608	3.62	11.5	0.7	8.5	3.2	27	0.1	0.4	0.2	45	0.19	0.061
1060281	Soil	1.3	48.1	7.7	76	<0.1	39.9	15.4	498	3.15	15.1	0.7	3.2	0.6	21	0.2	0.4	0.1	47	0.26	0.102
1060278	Soil	1.2	54.8	7.8	72	0.1	45.2	16.3	476	3.23	12.9	0.8	4.1	1.8	25	0.2	0.3	0.2	50	0.23	0.053
1060276	Soil	1.4	35.0	6.0	56	0.1	23.2	12.5	467	2.43	8.6	0.6	2.6	0.5	29	0.2	0.5	0.1	47	0.46	0.092
1060274	Soil	1.2	55.6	8.6	79	0.1	46.1	17.8	583	3.40	14.2	0.8	5.3	1.5	18	0.2	0.4	0.1	51	0.21	0.061
1060275	Soil	1.3	51.8	8.6	81	0.2	47.2	20.4	676	3.55	15.2	0.8	8.1	1.4	23	0.2	0.5	0.2	49	0.33	0.088
1060277	Soil	0.9	35.5	4.4	49	<0.1	27.4	10.6	301	2.33	9.1	0.5	1.7	1.0	15	0.1	0.3	<0.1	43	0.18	0.046
1060279	Soil	2.1	41.3	9.3	81	<0.1	37.5	16.5	591	3.20	14.2	0.6	3.8	0.8	30	0.2	0.6	0.2	52	0.44	0.102
1060280	Soil	1.1	55.8	8.0	76	<0.1	51.5	19.6	540	3.40	18.9	0.6	3.2	1.9	21	0.2	0.4	0.1	53	0.24	0.048
1060282	Soil	1.9	44.9	8.7	80	<0.1	39.1	17.1	636	3.45	17.6	0.5	2.9	0.7	20	0.1	0.5	0.2	55	0.22	0.083
1060260	Soil	1.6	52.2	10.9	100	0.1	47.1	19.1	701	3.93	16.7	0.7	18.9	1.8	21	0.2	0.5	0.2	56	0.25	0.111
1060261	Soil	1.2	60.0	8.8	92	0.2	46.8	18.4	565	3.62	15.3	0.7	2.8	1.7	28	0.2	0.5	0.2	55	0.35	0.122
1060263	Soil	0.9	48.9	6.5	86	0.2	43.1	13.0	466	3.22	15.9	0.6	4.8	2.6	21	0.2	0.4	0.1	49	0.29	0.096
1060262	Soil	1.1	54.2	8.1	88	0.2	48.6	16.7	581	3.51	17.0	0.6	3.8	2.3	20	0.2	0.4	0.2	51	0.27	0.097
1060264	Soil	1.5	52.3	8.5	85	<0.1	49.7	17.9	644	3.46	17.3	0.5	6.4	1.2	20	0.1	0.6	0.1	54	0.25	0.090
1060265	Soil	1.0	60.8	6.8	81	0.1	51.2	14.7	432	3.26	15.3	0.7	2.3	2.2	18	0.2	0.4	0.1	51	0.26	0.094



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1061368	Soil	15	60	1.04	113	0.093	2	2.05	0.011	0.24	<0.1	0.03	4.0	0.2	0.08	7	0.7	<0.2
1061374	Soil	14	64	1.09	125	0.084	2	2.30	0.009	0.19	<0.1	0.02	4.0	0.2	<0.05	7	0.8	<0.2
1061365	Soil	12	74	1.16	146	0.118	2	2.32	0.008	0.29	<0.1	0.05	4.5	0.2	<0.05	7	1.1	<0.2
1061377	Soil	15	56	0.97	87	0.072	1	2.01	0.010	0.17	<0.1	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1061375	Soil	13	64	1.06	133	0.085	<1	2.17	0.011	0.20	<0.1	0.02	4.0	0.2	<0.05	7	<0.5	<0.2
1061379	Soil	12	58	0.95	85	0.076	<1	2.06	0.007	0.18	<0.1	0.02	3.6	0.2	<0.05	6	0.6	<0.2
1061378	Soil	14	65	1.06	103	0.086	<1	2.35	0.008	0.18	<0.1	0.03	4.2	0.2	<0.05	7	<0.5	<0.2
1061376	Soil	17	52	0.88	105	0.050	2	2.03	0.009	0.10	<0.1	0.04	3.1	0.2	0.07	6	0.8	<0.2
1061382	Soil	12	78	1.24	142	0.106	<1	2.57	0.007	0.43	<0.1	0.01	5.8	0.3	<0.05	8	<0.5	<0.2
1061380	Soil	11	67	1.02	88	0.080	<1	2.15	0.007	0.20	<0.1	0.03	3.9	0.2	<0.05	7	<0.5	<0.2
1061381	Soil	12	59	0.96	93	0.069	1	2.03	0.008	0.18	<0.1	0.04	3.7	0.2	<0.05	7	<0.5	<0.2
1061383	Soil	11	75	1.21	137	0.103	<1	2.46	0.010	0.41	<0.1	0.02	5.5	0.4	<0.05	7	<0.5	<0.2
1061384	Soil	12	58	0.97	99	0.077	<1	2.12	0.006	0.20	<0.1	0.02	4.3	0.2	<0.05	6	<0.5	<0.2
1060272	Soil	11	38	0.75	73	0.040	<1	1.66	0.007	0.04	<0.1	0.03	2.3	<0.1	<0.05	5	<0.5	<0.2
1060273	Soil	16	38	0.83	72	0.045	<1	1.72	0.013	0.05	<0.1	0.02	2.3	<0.1	0.06	5	<0.5	<0.2
1060281	Soil	8	40	0.84	67	0.026	1	1.67	0.006	0.05	<0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
1060278	Soil	9	40	0.75	71	0.046	2	1.71	0.008	0.04	<0.1	0.04	2.2	<0.1	<0.05	4	<0.5	<0.2
1060276	Soil	7	25	0.43	88	0.032	<1	1.06	0.011	0.04	<0.1	0.10	1.2	<0.1	0.05	4	0.5	<0.2
1060274	Soil	9	42	0.81	79	0.032	1	1.67	0.007	0.04	<0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
1060275	Soil	10	40	0.78	90	0.026	2	1.69	0.008	0.04	<0.1	0.05	1.9	<0.1	<0.05	5	<0.5	<0.2
1060277	Soil	6	26	0.43	55	0.045	<1	1.12	0.011	0.03	<0.1	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
1060279	Soil	9	39	0.73	91	0.028	<1	1.53	0.010	0.05	<0.1	0.06	1.9	<0.1	0.05	5	<0.5	<0.2
1060280	Soil	9	44	0.83	79	0.042	2	1.91	0.007	0.04	<0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
1060282	Soil	8	44	0.84	87	0.029	1	1.74	0.007	0.04	<0.1	0.03	1.7	<0.1	<0.05	5	0.7	<0.2
1060260	Soil	17	46	0.90	106	0.029	2	2.09	0.007	0.05	<0.1	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
1060261	Soil	18	46	0.92	95	0.035	<1	2.08	0.010	0.05	<0.1	0.04	2.8	<0.1	<0.05	6	1.1	<0.2
1060263	Soil	13	45	0.84	73	0.035	<1	1.85	0.010	0.04	<0.1	0.02	3.3	<0.1	<0.05	5	0.7	<0.2
1060262	Soil	14	55	0.89	86	0.028	<1	1.99	0.006	0.04	<0.1	0.02	2.9	<0.1	<0.05	5	0.6	<0.2
1060264	Soil	9	45	0.79	92	0.032	<1	1.74	0.007	0.03	<0.1	0.04	2.2	<0.1	<0.05	5	<0.5	<0.2
1060265	Soil	12	46	0.86	59	0.043	<1	1.82	0.006	0.04	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2



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CERTIFICATE OF ANALYSIS

WHI11000853.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1060269	Soil	1.2	59.0	8.3	86	0.2	46.0	17.1	575	3.73	15.9	0.9	4.5	2.1	17	0.1	0.5	0.2	57	0.19
1060271	Soil	1.0	62.9	7.1	82	<0.1	46.4	16.6	455	3.39	12.3	0.7	1.7	3.1	19	0.1	0.3	0.1	52	0.24
1060266	Soil	0.8	50.7	6.5	82	0.2	45.8	11.6	391	3.18	13.6	0.8	3.9	2.8	17	0.1	0.3	0.1	51	0.24
1060268	Soil	1.8	36.4	9.2	74	<0.1	37.4	14.1	525	3.38	13.2	0.5	2.8	1.1	19	0.1	0.6	0.1	61	0.21
1060267	Soil	1.1	56.4	6.8	79	<0.1	43.0	14.9	435	3.28	14.6	0.8	4.5	2.9	18	<0.1	0.5	0.1	54	0.23
1060637	Soil	2.2	42.2	9.7	81	<0.1	38.0	16.0	644	3.40	14.9	0.9	4.2	0.6	24	0.3	0.8	0.2	62	0.30
1060251	Soil	1.5	46.7	8.2	72	0.1	41.5	15.4	490	3.15	12.9	0.9	2.3	0.9	23	0.2	0.6	0.1	57	0.31
1060635	Soil	1.5	40.9	8.4	73	<0.1	39.3	15.8	548	3.15	12.5	0.7	3.6	1.4	23	0.1	0.6	0.1	58	0.29
1060636	Soil	1.5	69.8	8.9	86	0.1	54.3	19.2	484	3.33	18.5	1.0	1.1	2.4	23	0.2	0.6	0.1	53	0.27
1060270	Soil	1.3	57.5	8.7	81	0.2	44.9	16.7	551	3.47	15.0	1.1	2.3	2.2	19	0.1	0.5	0.2	54	0.21
1060257	Soil	1.1	63.5	6.3	80	0.1	54.5	17.4	453	3.18	11.8	0.8	31.7	3.2	23	0.2	0.4	0.1	46	0.30
1060255	Soil	1.1	56.8	8.0	82	0.1	48.2	16.8	545	3.17	15.2	0.9	5.7	2.3	19	0.2	0.5	0.1	53	0.28
1060254	Soil	1.2	56.6	7.6	85	0.1	46.3	16.7	573	3.26	14.6	0.9	3.5	2.1	21	0.2	0.5	0.1	53	0.27
1060253	Soil	1.0	60.7	8.4	89	0.1	52.4	16.4	505	3.25	11.5	1.0	2.7	2.9	22	0.2	0.4	0.1	54	0.28
1060252	Soil	1.8	76.0	12.9	97	0.2	65.0	26.0	824	3.94	19.7	1.2	2.6	1.6	26	0.2	0.6	0.2	65	0.31
1060259	Soil	1.2	52.9	9.6	93	0.1	46.6	16.0	549	3.55	15.8	0.9	6.7	2.7	18	0.2	0.4	0.1	53	0.24
1060256	Soil	1.3	60.6	9.3	91	0.1	52.9	16.9	558	3.49	14.2	1.0	2.1	2.2	18	0.2	0.6	0.1	56	0.23
1060258	Soil	1.3	65.7	10.7	88	0.2	54.1	19.0	583	3.76	28.3	1.1	2.0	2.5	18	0.2	0.5	0.1	55	0.22



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CERTIFICATE OF ANALYSIS

WHI11000853.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1060269	Soil	15	48	0.88	75	0.036	<1	2.05	0.006	0.04	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
1060271	Soil	14	41	0.84	59	0.051	<1	1.86	0.007	0.04	<0.1	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
1060266	Soil	11	49	0.89	75	0.051	<1	2.00	0.007	0.04	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
1060268	Soil	7	44	0.75	87	0.035	1	1.74	0.007	0.04	<0.1	0.03	2.0	<0.1	<0.05	6	<0.5	<0.2
1060267	Soil	12	44	0.80	51	0.052	<1	1.80	0.007	0.04	<0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
1060637	Soil	10	43	0.74	114	0.032	<1	1.77	0.009	0.04	0.1	0.04	2.0	0.1	<0.05	6	<0.5	<0.2
1060251	Soil	11	42	0.70	87	0.041	1	1.56	0.010	0.04	<0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
1060635	Soil	9	40	0.72	96	0.049	1	1.67	0.011	0.04	<0.1	0.03	2.4	<0.1	<0.05	5	0.5	<0.2
1060636	Soil	14	41	0.73	67	0.050	1	1.71	0.011	0.05	<0.1	0.02	2.6	<0.1	<0.05	5	0.7	<0.2
1060270	Soil	15	48	0.86	72	0.041	1	2.01	0.008	0.05	<0.1	0.02	2.8	<0.1	<0.05	5	0.9	<0.2
1060257	Soil	14	38	0.72	54	0.047	<1	1.52	0.010	0.04	<0.1	0.01	2.4	<0.1	<0.05	4	0.7	<0.2
1060255	Soil	12	43	0.75	73	0.049	<1	1.73	0.007	0.04	<0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
1060254	Soil	12	44	0.76	75	0.051	1	1.76	0.008	0.04	<0.1	0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
1060253	Soil	12	43	0.78	78	0.061	1	1.93	0.009	0.05	<0.1	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
1060252	Soil	11	59	0.96	128	0.038	1	2.34	0.010	0.05	<0.1	0.04	3.0	0.1	<0.05	6	<0.5	<0.2
1060259	Soil	13	46	0.88	75	0.036	<1	2.08	0.007	0.05	<0.1	0.03	2.8	<0.1	<0.05	6	0.6	<0.2
1060256	Soil	11	48	0.86	77	0.042	1	1.97	0.007	0.04	<0.1	0.01	2.8	<0.1	<0.05	5	0.6	<0.2
1060258	Soil	13	49	0.88	76	0.048	<1	2.15	0.008	0.05	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000853.1

	Method Analyte Unit MDL	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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1057503	Soil	0.8	48.9	4.7	76	<0.1	43.6	16.9	451	2.87	9.1	0.7	0.8	2.7	35	0.1	0.2	0.1	47	0.40	0.110
REP 1057503	QC	0.8	48.7	4.7	75	<0.1	44.1	16.8	463	2.92	9.6	0.7	1.7	2.6	35	0.1	0.3	0.1	49	0.42	0.115
1057509	Soil	1.2	47.3	7.0	74	0.2	48.4	20.0	535	3.10	16.2	0.7	3.3	1.1	26	0.2	0.4	0.1	57	0.30	0.064
REP 1057509	QC	1.3	48.7	6.7	77	0.2	47.5	19.6	530	3.09	16.0	0.8	1.6	1.1	25	0.2	0.5	0.1	61	0.31	0.063
1057653	Soil	2.1	67.4	8.7	97	0.1	51.7	18.9	489	4.08	12.6	1.1	1.1	2.4	25	0.2	0.8	0.3	74	0.24	0.085
REP 1057653	QC	2.2	68.5	8.9	97	0.2	54.2	18.5	480	4.11	12.7	1.1	7.3	2.2	26	0.2	0.8	0.3	70	0.23	0.090
1057675	Soil	1.2	58.8	6.6	105	0.2	61.9	20.5	529	4.20	26.7	0.9	7.7	2.6	25	0.2	0.4	0.2	67	0.31	0.075
REP 1057675	QC	1.5	58.1	6.8	104	0.2	60.3	20.6	519	4.08	26.0	0.9	2.5	2.5	25	0.3	0.4	0.2	63	0.32	0.078
1060937	Soil	1.0	66.6	6.9	101	0.2	61.1	21.9	515	4.05	122.7	1.0	7.9	2.8	25	0.2	0.3	0.2	95	0.29	0.074
REP 1060937	QC	1.0	61.9	6.5	97	0.2	57.4	20.8	483	3.79	118.9	1.0	9.2	2.7	24	0.2	0.3	0.2	89	0.27	0.069
1060602	Soil	1.1	45.4	7.0	72	<0.1	34.1	15.3	523	2.80	14.2	0.6	3.9	1.0	24	0.1	0.4	0.1	54	0.43	0.087
REP 1060602	QC	1.2	47.1	7.1	74	0.1	33.9	15.8	543	2.87	14.9	0.6	6.8	1.1	25	0.2	0.4	0.1	55	0.41	0.085
1060622	Soil	0.7	44.5	5.2	73	0.1	44.4	15.2	424	2.86	16.2	0.8	3.6	2.4	19	0.1	0.3	<0.1	65	0.32	0.097
REP 1060622	QC	0.8	44.6	5.6	78	0.1	44.8	14.9	430	2.95	16.0	0.9	1.9	2.5	19	0.2	0.3	<0.1	69	0.35	0.099
1060624	Soil	0.7	47.4	4.9	84	0.2	49.6	17.0	480	3.15	17.3	0.9	3.4	2.2	20	0.2	0.3	0.2	67	0.26	0.087
REP 1060624	QC	0.7	46.8	5.1	87	0.2	48.4	17.5	491	3.26	17.8	0.9	3.0	2.2	21	0.1	0.3	0.1	72	0.26	0.089
1060412	Soil	1.4	66.4	6.7	100	<0.1	53.2	21.5	514	4.05	13.4	0.8	1.9	1.0	20	0.2	0.4	0.1	100	0.25	0.065
REP 1060412	QC	1.4	65.7	6.6	103	<0.1	51.6	20.3	511	3.83	13.4	0.8	4.3	1.1	20	0.1	0.4	0.1	99	0.25	0.066
1061354	Soil	1.7	58.9	7.5	95	0.1	46.3	18.2	510	3.76	11.7	1.2	6.8	2.5	33	0.2	0.4	0.2	72	0.42	0.121
REP 1061354	QC	1.6	57.5	7.3	91	0.2	45.0	17.7	519	3.71	12.3	1.2	3.1	2.4	33	0.2	0.4	0.2	69	0.43	0.117
1061351	Soil	1.4	71.0	8.0	99	0.1	68.3	20.2	461	3.88	20.0	1.2	3.6	3.4	25	0.2	0.5	0.2	82	0.29	0.105
REP 1061351	QC	1.3	70.3	7.9	99	0.1	66.5	20.1	451	3.85	19.0	1.1	6.8	3.1	24	0.1	0.5	0.1	80	0.27	0.103
1061380	Soil	1.0	51.5	7.0	98	0.3	45.6	17.2	419	3.64	15.3	0.9	3.2	2.1	19	<0.1	0.3	0.2	83	0.21	0.082
REP 1061380	QC	1.2	50.8	6.7	98	0.2	44.2	17.2	408	3.58	15.9	0.9	3.1	1.9	18	0.1	0.3	0.2	80	0.20	0.080
1060277	Soil	0.9	35.5	4.4	49	<0.1	27.4	10.6	301	2.33	9.1	0.5	1.7	1.0	15	0.1	0.3	<0.1	43	0.18	0.046
REP 1060277	QC	0.8	35.7	4.5	49	<0.1	26.9	10.8	298	2.30	9.2	0.4	2.1	1.0	15	<0.1	0.3	<0.1	43	0.17	0.045
1060255	Soil	1.1	56.8	8.0	82	0.1	48.2	16.8	545	3.17	15.2	0.9	5.7	2.3	19	0.2	0.5	0.1	53	0.28	0.099
REP 1060255	QC	1.3	56.1	7.8	81	0.1	47.6	17.0	547	3.16	15.4	1.0	3.8	2.2	20	0.2	0.5	0.1	52	0.29	0.100



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Part 2

QUALITY CONTROL REPORT

WHI11000853.1

Method Analyte Unit MDL		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1057503	Soil	9	38	0.80	53	0.057	<1	1.44	0.011	0.09	<0.1	<0.01	2.5	0.1	<0.05	4	0.6	<0.2
REP 1057503	QC	9	37	0.80	53	0.061	<1	1.46	0.012	0.10	<0.1	<0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
1057509	Soil	10	41	0.75	89	0.048	<1	1.70	0.012	0.05	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
REP 1057509	QC	10	43	0.73	88	0.053	<1	1.64	0.012	0.05	<0.1	0.03	2.4	<0.1	<0.05	5	0.5	<0.2
1057653	Soil	14	55	0.97	75	0.037	1	1.98	0.015	0.09	<0.1	0.02	3.0	0.1	0.06	6	0.8	<0.2
REP 1057653	QC	14	54	1.03	76	0.043	2	2.08	0.016	0.10	<0.1	0.03	3.2	0.1	<0.05	6	1.0	<0.2
1057675	Soil	11	59	1.09	68	0.060	1	2.04	0.010	0.13	<0.1	0.05	2.8	0.1	<0.05	6	<0.5	<0.2
REP 1057675	QC	11	57	1.07	68	0.055	2	2.01	0.009	0.12	<0.1	0.04	2.7	0.1	<0.05	6	0.5	<0.2
1060937	Soil	13	75	1.20	194	0.101	<1	2.27	0.011	0.37	<0.1	0.02	5.2	0.3	<0.05	8	<0.5	<0.2
REP 1060937	QC	13	71	1.13	186	0.094	<1	2.16	0.010	0.35	<0.1	0.01	4.8	0.3	<0.05	7	<0.5	<0.2
1060602	Soil	6	37	0.80	121	0.062	1	1.45	0.013	0.15	<0.1	0.05	2.3	0.1	<0.05	4	0.6	<0.2
REP 1060602	QC	6	38	0.77	124	0.063	1	1.39	0.012	0.14	<0.1	0.04	2.3	0.1	<0.05	4	<0.5	<0.2
1060622	Soil	9	53	0.91	77	0.069	<1	1.85	0.008	0.10	<0.1	0.02	3.4	0.1	<0.05	5	<0.5	<0.2
REP 1060622	QC	9	57	0.93	81	0.076	<1	1.87	0.009	0.11	<0.1	0.01	3.7	0.1	<0.05	5	<0.5	<0.2
1060624	Soil	9	65	1.08	102	0.061	2	2.03	0.008	0.17	<0.1	0.02	3.4	0.1	<0.05	6	0.6	<0.2
REP 1060624	QC	9	68	1.06	103	0.064	<1	2.06	0.008	0.16	<0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
1060412	Soil	9	73	1.19	132	0.093	1	2.53	0.011	0.25	<0.1	0.01	3.6	0.2	<0.05	8	0.6	<0.2
REP 1060412	QC	9	70	1.18	130	0.090	<1	2.50	0.011	0.24	<0.1	0.03	4.0	0.2	<0.05	8	<0.5	<0.2
1061354	Soil	11	55	0.96	99	0.056	<1	2.03	0.013	0.13	<0.1	0.04	3.4	0.1	0.08	6	0.8	<0.2
REP 1061354	QC	11	52	0.96	96	0.054	1	2.03	0.020	0.13	<0.1	0.04	3.2	0.2	0.11	6	<0.5	<0.2
1061351	Soil	12	71	1.12	89	0.088	<1	2.26	0.013	0.17	<0.1	0.02	4.2	0.2	0.06	6	<0.5	<0.2
REP 1061351	QC	12	71	1.09	90	0.082	<1	2.26	0.012	0.17	<0.1	0.02	3.8	0.2	<0.05	6	0.5	<0.2
1061380	Soil	11	67	1.02	88	0.080	<1	2.15	0.007	0.20	<0.1	0.03	3.9	0.2	<0.05	7	<0.5	<0.2
REP 1061380	QC	11	64	1.00	90	0.079	1	2.13	0.009	0.20	<0.1	0.02	3.9	0.2	<0.05	7	0.6	<0.2
1060277	Soil	6	26	0.43	55	0.045	<1	1.12	0.011	0.03	<0.1	0.03	1.4	<0.1	<0.05	3	<0.5	<0.2
REP 1060277	QC	6	26	0.42	53	0.044	1	1.05	0.009	0.03	<0.1	0.03	1.3	<0.1	<0.05	3	0.6	<0.2
1060255	Soil	12	43	0.75	73	0.049	<1	1.73	0.007	0.04	<0.1	0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
REP 1060255	QC	12	43	0.74	73	0.055	1	1.78	0.008	0.05	<0.1	<0.01	3.2	<0.1	<0.05	5	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000853.1

		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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Reference Materials																					
STD DS8	Standard	14.0	112.1	129.2	311	1.7	37.7	8.0	636	2.45	26.4	3.0	117.8	7.5	68	2.5	5.2	5.7	43	0.73	0.077
STD DS8	Standard	13.7	109.1	127.4	298	1.6	38.1	7.3	594	2.35	24.2	2.7	121.8	6.9	57	2.2	4.8	5.6	39	0.69	0.074
STD DS8	Standard	13.5	110.4	128.9	314	1.9	39.4	7.5	601	2.41	25.8	2.8	104.3	7.1	72	2.3	5.7	6.7	41	0.72	0.075
STD DS8	Standard	12.8	109.3	119.7	308	1.8	38.2	7.4	589	2.45	26.2	2.5	116.9	6.9	59	2.4	4.9	6.1	42	0.69	0.079
STD DS8	Standard	13.1	114.5	136.0	302	1.7	40.0	8.0	615	2.40	27.4	2.9	108.6	7.2	58	2.2	4.9	5.6	45	0.68	0.077
STD DS8	Standard	12.3	103.4	120.8	290	1.8	35.0	7.0	566	2.31	24.3	2.5	103.5	6.2	61	2.2	5.4	6.7	39	0.62	0.075
STD DS8	Standard	13.0	106.3	118.2	311	1.8	38.0	8.1	613	2.50	26.7	2.7	102.2	6.3	63	2.5	5.2	6.5	41	0.68	0.086
STD DS8	Standard	12.7	97.6	108.7	283	1.7	33.6	7.1	541	2.18	20.6	2.6	103.1	6.3	59	2.0	4.7	5.7	36	0.64	0.071
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	0.8	<0.1	<1	<0.1	<0.1	<0.1	<1	0.06	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Part 2

QUALITY CONTROL REPORT

WHI11000853.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Reference Materials																		
STD DS8	Standard	16	122	0.60	293	0.125	3	1.01	0.106	0.45	3.1	0.20	2.8	5.2	0.15	5	4.8	4.6
STD DS8	Standard	14	114	0.60	271	0.111	3	0.94	0.094	0.42	2.9	0.20	2.1	5.2	0.08	4	4.8	4.6
STD DS8	Standard	16	117	0.59	279	0.119	3	0.95	0.114	0.44	3.0	0.21	2.4	5.4	0.15	5	4.8	4.5
STD DS8	Standard	13	116	0.51	273	0.117	3	0.89	0.093	0.41	3.1	0.20	2.1	5.5	0.12	5	5.0	4.5
STD DS8	Standard	14	121	0.61	273	0.115	2	0.93	0.085	0.41	3.0	0.21	2.2	5.4	0.20	4	4.0	4.4
STD DS8	Standard	12	109	0.57	251	0.105	2	0.82	0.083	0.40	2.7	0.19	1.9	5.1	0.15	4	4.9	5.2
STD DS8	Standard	14	118	0.64	267	0.111	3	0.91	0.085	0.42	3.1	0.22	2.1	5.4	0.15	5	5.6	5.3
STD DS8	Standard	15	100	0.56	253	0.104	2	0.86	0.082	0.38	2.7	0.20	1.7	5.1	<0.05	4	4.5	5.0
STD DS8 Expected		14.6	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	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

APPENDIX VI

Rock sample assay certificates



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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Client:

Ryan Gold Corp.

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Vancouver BC V6C 1H2 Canada

Submitted By: Ian Gendall

Receiving Lab: Canada-Whitehorse

Received: July 13, 2011

Report Date: July 29, 2011

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CERTIFICATE OF ANALYSIS

WHI11000572.1

CLIENT JOB INFORMATION

Project: Kluane
Shipment ID: Kluane-007
P.O. Number
Number of Samples: 33

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

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

Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Hua Jin

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	28	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01+3B04	32	Fire assay fusion Au by ICP-ES	50	Completed	VAN
1DX1	32	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Project:

Kluane

Report Date:

July 29, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000572.1

	Method Analyte Unit MDL	WGHT	3B-50	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
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	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
40623	Rock Pulp	0.16	981	1.5	25.7	44.8	47	0.3	61.3	17.8	351	4.37	2.5	914.8	1.9	114	0.3	0.2	0.3	38
40613	Rock	2.33	<2	5.1	12.3	8.8	72	0.2	2.4	0.9	139	0.58	1.0	3.9	7.5	2	0.6	<0.1	0.6	3
40614	Rock	2.55	<2	92.5	6.4	11.3	89	0.2	0.7	0.2	68	0.80	0.6	4.3	21.2	2	0.5	<0.1	<0.1	<2
40615	Rock	2.36	<2	0.9	71.8	2.9	77	0.1	57.9	16.0	373	3.97	<0.5	2.6	2.0	13	<0.1	<0.1	0.1	156
40616	Rock	2.27	2	0.9	30.6	3.6	108	0.1	36.6	10.7	438	3.99	4.1	0.7	4.8	16	<0.1	<0.1	0.2	56
40617	Rock	2.23	3	0.7	52.2	4.6	106	<0.1	98.5	37.9	680	3.51	13.3	3.5	3.1	16	0.1	<0.1	0.1	71
40051	Rock	2.49	<2	1.2	5.6	14.1	66	0.1	2.4	1.7	274	1.49	0.8	6.0	8.7	13	0.2	0.1	0.4	5
40052	Rock	4.05	<2	0.2	7.6	19.3	67	0.2	6.3	5.1	405	1.75	0.6	2.7	5.7	40	0.3	0.2	0.4	11
41301	Rock	1.65	<2	2.7	8.3	9.3	75	0.4	1.6	7.4	371	3.26	<0.5	0.7	5.9	30	0.5	0.4	0.4	41
41303	Rock	1.23	4	2.6	1180	138.5	195	7.3	42.7	41.2	385	6.58	8.9	8.1	2.1	273	2.5	0.2	0.9	365
41911	Rock	2.32	2	11.1	14.8	9.5	40	0.8	24.8	0.5	40	0.50	56.6	2.8	1.0	3	0.1	9.1	<0.1	253
40619	Rock Pulp	0.15	<2	1.2	26.4	5.3	41	<0.1	81.4	20.9	406	2.99	<0.5	1.3	1.6	176	<0.1	<0.1	<0.1	53
41912	Rock	2.28	<2	0.5	8.2	2.0	55	0.4	12.6	0.8	100	0.57	2.5	1.7	1.9	5	0.8	0.2	<0.1	14
40604	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
40624	Rock Pulp	0.15	968	1.5	22.0	44.1	45	0.2	58.5	17.9	333	4.31	3.0	905.5	1.9	108	0.3	0.3	0.3	36
40117	Rock	1.58	8	15.0	57.3	8.0	31	1.2	7.7	3.7	32	0.90	27.3	5.3	2.5	13	0.2	4.9	0.2	84
40118	Rock	1.58	<2	1.4	3.9	35.3	79	0.3	1.8	0.9	73	0.90	2.3	0.8	9.2	<1	0.1	<0.1	0.5	<2
40119	Rock	1.42	<2	1.6	3.2	14.3	45	0.1	0.7	0.2	32	0.82	<0.5	2.1	13.0	2	0.1	<0.1	0.2	<2
40120	Rock	1.28	<2	0.6	33.9	6.0	62	0.3	33.0	16.7	125	3.43	1.0	1.6	11.3	235	0.1	<0.1	0.5	54
40088	Rock	2.50	9	1.2	38.8	8.0	58	0.4	165.6	34.1	398	3.00	839.4	7.8	7.2	85	0.3	2.8	1.0	75
40089	Rock	2.30	4	3.0	44.7	15.7	116	0.5	29.2	7.1	166	2.48	14.2	4.8	5.4	8	0.7	0.8	0.3	86
40620	Rock Pulp	0.14	<2	1.2	27.9	5.5	42	<0.1	84.8	21.4	407	3.03	<0.5	1.8	1.7	178	<0.1	<0.1	<0.1	54
41302	Rock	1.95	13	1.3	82.9	13.8	171	1.1	2.0	16.4	594	4.44	34.6	14.2	2.2	243	2.5	0.5	0.3	119
41304	Rock	1.97	18	1.0	106.2	16.0	240	4.1	37.9	10.9	330	3.08	284.9	20.1	5.1	47	5.3	3.7	0.4	70
40603	Rock	2.61	214	1.1	>10000	3.8	325	34.7	13.3	45.2	139	5.91	266.7	164.7	4.5	15	4.9	2.5	8.9	46
40751	Rock	2.35	14	0.2	111.4	16.1	27	1.4	49.8	26.6	137	3.59	10.5	16.3	0.6	461	0.3	0.2	0.3	46
40053	Rock	2.67	<2	1.1	31.1	13.6	101	<0.1	2.4	0.9	132	1.05	1.0	2.3	12.0	<1	0.1	<0.1	0.1	<2
40054	Rock	3.15	<2	0.9	3.9	12.2	73	<0.1	0.9	0.5	116	0.99	0.6	2.4	13.9	3	<0.1	<0.1	<0.1	<2
40055	Rock	2.44	<2	1.0	20.2	1.9	25	<0.1	6.7	2.0	105	1.37	1.6	3.4	4.1	6	<0.1	<0.1	0.1	39
40056	Rock	4.13	<2	0.7	25.1	1.7	27	<0.1	10.8	2.6	114	0.75	1.2	3.4	1.2	41	0.2	<0.1	<0.1	16



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Part 2

CERTIFICATE OF ANALYSIS

WHI11000572.1

	Method Analyte Unit MDL	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	Sc	Tl	S	Ga	Se
		%	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	0.1	0.05	1	0.5
40623	Rock Pulp	0.080	10	47	1.28	62	0.295	<20	1.22	0.526	0.34	<0.1	<0.01	0.8	0.4	2.58	4	0.8
40613	Rock	0.006	12	10	0.01	11	0.002	<20	0.21	0.029	0.09	0.2	<0.01	0.4	<0.1	<0.05	1	<0.5
40614	Rock	<0.001	20	9	<0.01	16	0.007	<20	0.22	0.073	0.11	0.4	<0.01	0.2	<0.1	<0.05	2	<0.5
40615	Rock	0.086	7	97	1.08	505	0.270	<20	2.99	0.059	1.31	<0.1	<0.01	11.0	0.2	0.08	9	<0.5
40616	Rock	0.072	8	50	1.21	56	0.048	<20	2.08	0.019	0.17	<0.1	0.01	2.8	<0.1	<0.05	6	<0.5
40617	Rock	0.074	8	60	1.18	63	0.055	<20	1.99	0.034	0.22	<0.1	<0.01	3.8	<0.1	<0.05	7	<0.5
40051	Rock	0.022	39	7	0.12	55	0.005	<20	0.63	0.048	0.23	<0.1	<0.01	1.3	0.2	<0.05	5	<0.5
40052	Rock	0.050	28	9	0.41	195	0.018	<20	1.09	0.045	0.32	<0.1	<0.01	1.6	0.1	<0.05	5	<0.5
41301	Rock	0.177	18	5	0.43	66	0.211	<20	0.93	0.113	0.42	0.4	<0.01	2.5	0.4	1.17	6	4.5
41303	Rock	0.281	10	55	1.44	279	0.508	<20	6.97	0.483	1.59	3.3	<0.01	14.1	2.4	1.70	23	12.5
41911	Rock	0.011	6	20	0.01	89	0.005	<20	0.12	0.001	0.09	0.6	0.01	0.5	0.1	<0.05	<1	<0.5
40619	Rock Pulp	0.100	11	53	1.54	48	0.386	<20	1.48	0.545	0.32	<0.1	<0.01	0.4	<0.1	<0.05	5	<0.5
41912	Rock	0.013	5	18	0.13	93	0.053	<20	0.36	0.005	0.06	0.1	<0.01	0.6	<0.1	<0.05	1	<0.5
40604	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
40624	Rock Pulp	0.081	9	46	1.23	60	0.282	<20	1.17	0.506	0.31	<0.1	0.01	0.7	0.4	2.59	4	0.8
40117	Rock	0.427	11	26	0.12	282	0.005	<20	0.35	0.003	0.10	0.4	<0.01	0.6	<0.1	0.36	1	7.3
40118	Rock	0.002	23	6	<0.01	14	0.001	<20	0.23	0.058	0.11	<0.1	<0.01	0.2	<0.1	<0.05	2	<0.5
40119	Rock	0.002	12	5	<0.01	46	0.004	<20	0.22	0.057	0.13	0.3	<0.01	0.6	<0.1	<0.05	2	<0.5
40120	Rock	0.043	15	74	1.62	38	0.199	<20	3.94	0.306	1.34	0.2	<0.01	7.4	0.6	1.10	13	<0.5
40088	Rock	0.058	10	73	1.35	443	0.282	<20	3.74	0.182	0.95	0.4	<0.01	5.3	0.6	0.53	11	1.4
40089	Rock	0.081	13	31	0.67	294	0.057	<20	1.42	0.026	0.50	0.2	<0.01	3.0	0.3	0.42	5	1.2
40620	Rock Pulp	0.104	12	52	1.59	49	0.420	<20	1.50	0.557	0.32	<0.1	<0.01	0.5	<0.1	<0.05	5	<0.5
41302	Rock	0.248	12	2	1.20	178	0.219	<20	5.99	0.154	1.12	3.6	<0.01	5.3	1.5	1.61	15	4.7
41304	Rock	0.072	10	56	0.86	86	0.170	<20	3.55	0.061	0.69	0.9	<0.01	6.3	0.9	0.93	12	1.0
40603	Rock	0.042	6	54	0.38	23	0.013	<20	0.61	0.005	0.09	11.4	<0.01	2.7	<0.1	3.38	5	15.5
40751	Rock	0.219	8	18	0.28	14	0.346	<20	4.87	0.225	0.05	0.4	<0.01	1.3	<0.1	2.02	12	1.0
40053	Rock	0.001	11	3	0.01	28	0.023	<20	0.40	0.062	0.12	0.4	<0.01	0.3	<0.1	<0.05	4	<0.5
40054	Rock	0.004	21	4	0.02	38	0.008	<20	0.39	0.053	0.14	0.2	<0.01	0.5	<0.1	<0.05	4	<0.5
40055	Rock	0.032	10	34	0.31	114	0.036	<20	0.77	0.012	0.31	<0.1	<0.01	1.8	0.1	<0.05	3	<0.5
40056	Rock	0.055	4	16	0.05	20	0.025	<20	0.22	0.002	0.04	0.2	<0.01	0.5	<0.1	<0.05	<1	<0.5



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Project: Kluane
Report Date: July 29, 2011

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CERTIFICATE OF ANALYSIS

WHI11000572.1

	Method Analyte Unit MDL	WGHT	3B-50	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
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	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
40057	Rock	3.48	<2	0.5	26.5	11.9	57	0.1	11.7	5.1	194	1.68	1.1	2.0	18.1	5	0.4	<0.1	0.2	22
40601	Rock	2.16	<2	0.8	6.6	16.6	46	0.1	2.0	1.3	305	0.84	0.5	1.7	6.0	23	0.2	0.2	0.3	<2
40602	Rock	2.95	<2	0.9	13.2	4.5	97	<0.1	6.4	10.2	754	3.64	2.1	1.8	1.9	37	<0.1	<0.1	<0.1	44



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Project: Kluane
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CERTIFICATE OF ANALYSIS

WHI11000572.1

	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	Sc	Tl	S	Ga	Se
	Unit	%	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	0.1	0.05	1	0.5
40057	Rock	0.030	42	26	0.32	41	0.038	<20	0.97	0.029	0.35	0.1	<0.01	2.3	0.4	<0.05	4	<0.5
40601	Rock	0.019	29	3	0.11	116	0.002	<20	0.61	0.030	0.27	<0.1	<0.01	0.7	<0.1	<0.05	3	<0.5
40602	Rock	0.123	10	12	0.82	136	0.114	<20	1.97	0.055	0.16	<0.1	0.10	3.4	<0.1	0.20	6	<0.5



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Project:

Kluane

Report Date:

July 29, 2011

Page:

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Part 1

QUALITY CONTROL REPORT

WHI11000572.1

	Method Analyte Unit MDL	WGHT	3B-50	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
Pulp Duplicates																					
40614	Rock	2.55	<2	92.5	6.4	11.3	89	0.2	0.7	0.2	68	0.80	0.6	4.3	21.2	2	0.5	<0.1	<0.1	<2	0.12
REP 40614	QC			78.4	6.6	11.6	90	0.2	0.6	0.2	70	0.80	0.7	2.2	22.4	2	0.6	<0.1	<0.1	<2	0.13
41911	Rock	2.32	2	11.1	14.8	9.5	40	0.8	24.8	0.5	40	0.50	56.6	2.8	1.0	3	0.1	9.1	<0.1	253	0.02
REP 41911	QC		2																		
40603	Rock	2.61	214	1.1	>10000	3.8	325	34.7	13.3	45.2	139	5.91	266.7	164.7	4.5	15	4.9	2.5	8.9	46	0.47
REP 40603	QC		209																		
Core Reject Duplicates																					
41303	Rock	1.23	4	2.6	1180	138.5	195	7.3	42.7	41.2	385	6.58	8.9	8.1	2.1	273	2.5	0.2	0.9	365	3.58
DUP 41303	QC		5	2.6	1171	133.1	175	7.0	37.1	37.4	351	6.29	8.9	5.8	1.8	266	2.2	0.2	0.9	348	3.45
Reference Materials																					
STD DS8	Standard			12.7	104.3	121.2	302	2.0	37.0	7.4	584	2.45	26.4	98.9	6.3	62	2.4	4.9	6.5	42	0.71
STD OREAS45CA	Standard			1.0	502.2	20.7	62	0.3	249.2	91.8	879	16.04	6.3	41.0	6.9	15	0.1	0.2	0.2	206	0.43
STD OXC88	Standard		192																		
STD OXC88	Standard		200																		
STD OXH82	Standard		1254																		
STD OXH82	Standard		1301																		
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
STD OXC88 Expected			203																		
STD OXH82 Expected			1278																		
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		<2																		
BLK	Blank		<2																		
Prep Wash																					
G1	Prep Blank		<2	0.1	2.0	2.8	43	<0.1	3.2	4.1	520	1.80	<0.5	4.6	4.9	59	<0.1	<0.1	<0.1	36	0.48
G1	Prep Blank		<2	0.2	1.8	3.0	47	<0.1	3.7	4.2	543	1.89	<0.5	1.9	5.2	64	<0.1	<0.1	<0.1	36	0.49



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Project:

Kluane

Report Date:

July 29, 2011

Page:

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Part 2

QUALITY CONTROL REPORT

WHI11000572.1

		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	Sc	Ti	S	Ga	Se
		Unit	%	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	0.1	0.05	1	0.5
Pulp Duplicates																			
40614	Rock		<0.001	20	9	<0.01	16	0.007	<20	0.22	0.073	0.11	0.4	<0.01	0.2	<0.1	<0.05	2	<0.5
REP 40614	QC		<0.001	21	7	<0.01	17	0.007	<20	0.22	0.073	0.12	0.4	<0.01	0.2	<0.1	<0.05	2	<0.5
41911	Rock		0.011	6	20	0.01	89	0.005	<20	0.12	0.001	0.09	0.6	0.01	0.5	0.1	<0.05	<1	<0.5
REP 41911	QC																		
40603	Rock		0.042	6	54	0.38	23	0.013	<20	0.61	0.005	0.09	11.4	<0.01	2.7	<0.1	3.38	5	15.5
REP 40603	QC																		
Core Reject Duplicates																			
41303	Rock		0.281	10	55	1.44	279	0.508	<20	6.97	0.483	1.59	3.3	<0.01	14.1	2.4	1.70	23	12.5
DUP 41303	QC		0.271	8	48	1.36	253	0.461	<20	6.72	0.465	1.57	3.2	<0.01	13.3	2.4	1.66	21	14.1
Reference Materials																			
STD DS8	Standard		0.078	14	113	0.60	285	0.113	<20	0.90	0.082	0.41	2.5	0.18	1.8	4.8	0.16	5	4.8
STD OREAS45CA	Standard		0.039	16	727	0.13	166	0.135	<20	3.65	0.013	0.07	<0.1	0.03	35.4	<0.1	<0.05	19	0.9
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD DS8 Expected			0.08	14.6	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
STD OREAS45CA Expected			0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5
STD OXC88 Expected																			
STD OXH82 Expected																			
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	<0.1	<0.05	<1	<0.5
BLK	Blank																		
BLK	Blank																		
Prep Wash																			
G1	Prep Blank		0.075	9	8	0.55	217	0.122	<20	0.97	0.085	0.46	<0.1	<0.01	1.8	0.3	<0.05	5	<0.5
G1	Prep Blank		0.077	10	11	0.56	221	0.123	<20	0.96	0.078	0.47	<0.1	0.01	1.9	0.3	<0.05	5	<0.5



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Submitted By: Jean Pautler
Receiving Lab: Canada-Whitehorse
Received: July 13, 2011
Report Date: August 11, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11000577.1

CLIENT JOB INFORMATION

Project: Kluane
Shipment ID:
P.O. Number
Number of Samples: 26

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
STOR-RJT Store After 90 days Invoice for Storage

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

Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	26	Crush, split and pulverize 250 g rock to 200 mesh			WHI
1DX3	26	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
3B01	26	Fire assay fusion Au by ICP-ES	30	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: Kluane
Report Date: August 11, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11000577.1

	Method Analyte Unit MDL	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	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
40651	Rock	3.35	0.2	3.1	1.7	6	<0.1	10.7	2.0	178	0.53	2.3	2.2	0.2	25	<0.1	<0.1	<0.1	4	0.45	0.016
40652	Rock	1.81	0.4	18.0	3.3	36	<0.1	11.8	3.3	175	1.55	236.0	13.7	1.2	13	<0.1	0.2	<0.1	26	0.15	0.068
40653	Rock	3.18	0.2	2.3	0.7	3	<0.1	5.0	1.1	71	0.40	4.3	1.8	<0.1	42	<0.1	<0.1	<0.1	<2	0.68	0.001
40654	Rock	1.58	0.3	92.7	1.1	2	0.3	1.9	2.1	71	0.95	12.7	10.1	<0.1	12	<0.1	0.2	<0.1	6	0.12	0.002
40655	Rock	2.88	0.2	1.3	0.9	12	<0.1	22.9	3.1	110	0.82	5.4	1.5	<0.1	48	<0.1	<0.1	<0.1	11	0.83	0.018
40656	Rock	1.25	0.8	146.5	0.8	44	0.2	101.9	38.2	479	3.75	2.4	1.9	0.5	18	<0.1	0.2	<0.1	51	1.26	0.177
40657	Rock	1.80	0.2	1.5	0.2	<1	<0.1	1.4	0.3	35	0.38	9.5	1.7	<0.1	<1	<0.1	<0.1	<0.1	<2	0.01	0.001
40658	Rock	1.71	2.1	573.7	6.0	22	4.3	61.3	37.1	163	6.10	236.8	292.4	1.9	65	0.6	6.7	78.3	99	1.54	0.083
40659	Rock	2.64	0.5	73.6	14.1	101	0.2	162.8	49.7	1253	2.62	6.5	7.1	7.5	70	0.7	0.2	0.3	26	1.09	0.035
40660	Rock	2.58	3.3	178.9	5359	628	29.7	5.0	6.8	997	14.00	156.1	26.0	3.9	20	1.3	13.6	4.7	163	0.34	0.114
40661	Rock	0.71	0.6	19.7	36.2	34	1.5	6.6	3.1	120	0.90	11.1	1.2	2.9	4	0.2	0.5	1.9	3	0.04	0.005
40663	Rock	2.59	0.8	109.6	34.1	3290	1.0	19.1	11.1	1133	5.24	2.9	4.8	3.1	67	33.0	0.7	0.8	18	2.37	0.105
40664	Rock	1.55	0.5	461.6	8.6	34	1.6	99.2	34.9	329	10.32	1.3	4.2	2.0	14	0.6	0.4	10.3	33	0.80	0.068
41952	Rock	0.87	2.6	489.7	18.7	40	3.0	12.7	4.7	110	2.07	16.0	126.3	7.6	143	0.5	0.9	5.2	34	1.81	0.077
41953	Rock	1.19	0.8	32.8	4.9	17	0.1	5.2	1.6	90	0.87	2.4	1.7	5.1	21	0.2	0.4	<0.1	9	0.42	0.020
41954	Rock	0.47	4.8	1008	15.5	115	12.8	2.1	1.1	83	11.38	25.1	291.5	2.5	21	0.3	0.6	242.2	29	0.05	0.027
41955	Rock	0.52	3.3	39.0	14.1	46	0.5	2.9	5.5	130	2.51	12.2	0.9	6.8	55	0.4	0.4	0.7	38	0.46	0.086
41956	Rock	0.59	1.4	183.2	20.9	43	0.6	8.5	3.1	77	0.76	9.6	4.2	7.6	246	0.5	0.4	1.3	19	1.98	0.085
41957	Rock	1.59	1.0	112.8	0.6	6	0.5	16.5	3.7	40	1.05	23.6	1.1	0.3	<1	<0.1	0.3	<0.1	3	0.02	0.001
41958	Rock	1.83	5.4	163.9	150.7	3609	5.8	7.1	1.5	84	2.85	1286	2523	5.9	8	53.6	4.3	12.9	54	0.37	0.180
41959	Rock	1.00	2.2	145.5	101.6	92	4.7	18.8	9.0	51	2.61	4754	2459	5.7	12	2.4	10.3	11.9	26	0.19	0.083
41960	Rock	1.64	1.4	32.0	4.4	28	0.2	15.2	5.5	115	2.26	18.5	17.1	6.9	46	0.4	0.3	0.4	59	0.50	0.109
41961	Rock	0.64	0.6	91.1	16.1	75	0.5	37.4	26.2	105	2.78	1840	190.3	9.2	19	1.4	0.8	0.6	40	0.24	0.060
41962	Rock	1.61	1.3	>10000	8.0	1467	73.2	53.9	155.1	140	18.58	265.6	363.4	2.0	2	15.5	3.1	10.4	26	0.12	0.022
41963	Rock	1.41	0.7	7141	4.9	85	34.7	1.3	3.8	76	4.43	59.9	609.0	2.7	5	0.8	2.9	9.8	37	0.14	0.041
41964	Rock	0.43	0.8	5653	1.7	74	22.7	1.6	4.9	50	3.49	1008	74.7	2.2	3	0.9	2.5	1.8	15	0.03	0.021



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Part 2

CERTIFICATE OF ANALYSIS

WHI11000577.1

	Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	3B
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	Au
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2
40651	Rock	<1	16	0.16	5	0.016	<1	0.18	0.009	<0.01	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2	<2
40652	Rock	3	32	0.40	19	0.007	<1	0.72	0.016	0.04	<0.1	<0.01	1.9	<0.1	<0.05	2	<0.5	<0.2	18
40653	Rock	<1	9	0.03	1	<0.001	<1	0.04	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	<2
40654	Rock	<1	14	0.02	18	0.002	<1	0.23	0.062	0.02	<0.1	<0.01	1.1	<0.1	<0.05	<1	<0.5	<0.2	9
40655	Rock	<1	57	0.34	8	0.016	<1	0.45	0.017	0.02	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2	<2
40656	Rock	3	70	1.18	3	0.236	<1	1.56	0.077	0.02	0.1	<0.01	4.2	<0.1	0.59	4	1.3	<0.2	<2
40657	Rock	<1	7	<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	<2
40658	Rock	7	31	0.60	36	0.309	3	2.56	0.094	0.25	3.3	<0.01	4.8	0.4	3.78	9	8.1	3.8	290
40659	Rock	21	28	0.64	27	0.019	2	1.24	0.054	0.05	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2	14
40660	Rock	6	8	1.03	128	0.081	2	1.40	0.023	0.11	1.2	0.14	3.7	0.1	1.09	9	13.9	1.5	30
40661	Rock	7	3	0.11	57	0.002	1	0.33	0.023	0.12	<0.1	<0.01	0.4	<0.1	<0.05	1	0.8	<0.2	2
40663	Rock	10	13	0.42	21	0.115	2	2.53	0.133	0.03	0.5	0.03	1.8	<0.1	2.43	7	4.8	0.4	11
40664	Rock	7	112	0.88	25	0.143	<1	1.46	0.063	0.08	0.3	<0.01	2.8	<0.1	7.02	6	13.5	6.3	<2
41952	Rock	20	21	0.38	40	0.117	1	2.80	0.190	0.14	1.0	0.01	2.6	<0.1	0.18	9	1.5	2.9	104
41953	Rock	13	10	0.09	37	0.062	<1	0.43	0.040	0.08	0.5	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2	<2
41954	Rock	5	7	0.05	42	0.028	<1	0.37	0.074	0.12	1.4	0.01	0.9	<0.1	0.39	3	24.3	130.0	328
41955	Rock	23	<1	0.40	309	0.177	<1	1.07	0.120	0.35	0.3	<0.01	2.8	0.2	0.46	6	0.7	0.4	6
41956	Rock	18	7	0.17	72	0.078	<1	3.29	0.496	0.11	0.3	<0.01	1.3	<0.1	<0.05	8	1.3	0.6	7
41957	Rock	<1	5	0.02	3	0.002	<1	0.06	0.003	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	0.7	<0.2	3
41958	Rock	12	36	0.22	43	0.021	<1	0.82	0.033	0.30	0.4	0.03	3.1	0.1	0.90	8	4.9	0.6	2722
41959	Rock	10	23	0.18	41	0.028	<1	0.59	0.030	0.23	0.3	<0.01	2.4	<0.1	0.90	4	3.0	0.6	2554
41960	Rock	15	50	0.68	103	0.195	1	1.02	0.118	0.35	0.2	<0.01	2.5	0.1	0.35	4	0.9	0.3	12
41961	Rock	15	43	0.43	37	0.076	1	0.98	0.058	0.22	0.4	<0.01	4.0	0.2	0.80	5	1.1	0.4	172
41962	Rock	2	28	0.20	10	0.003	<1	0.45	0.003	0.07	0.9	<0.01	1.7	<0.1	9.39	4	39.9	13.1	369
41963	Rock	2	26	0.15	41	0.036	<1	0.32	0.003	0.11	10.9	<0.01	2.2	<0.1	1.03	5	15.9	7.1	539
41964	Rock	<1	12	0.07	22	0.004	<1	0.21	0.003	0.08	0.2	<0.01	1.0	<0.1	1.42	3	11.4	2.8	48



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Part 1

QUALITY CONTROL REPORT

WHI11000577.1

	Method Analyte Unit MDL	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	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
Pulp Duplicates																					
40661	Rock	0.71	0.6	19.7	36.2	34	1.5	6.6	3.1	120	0.90	11.1	1.2	2.9	4	0.2	0.5	1.9	3	0.04	0.005
REP 40661	QC																				
41961	Rock	0.64	0.6	91.1	16.1	75	0.5	37.4	26.2	105	2.78	1840	190.3	9.2	19	1.4	0.8	0.6	40	0.24	0.060
REP 41961	QC		0.6	92.6	16.2	75	0.5	36.7	25.9	106	2.81	1846	190.1	9.5	20	1.7	0.8	0.6	41	0.24	0.060
Core Reject Duplicates																					
40659	Rock	2.64	0.5	73.6	14.1	101	0.2	162.8	49.7	1253	2.62	6.5	7.1	7.5	70	0.7	0.2	0.3	26	1.09	0.035
DUP 40659	QC		0.3	69.3	12.6	93	0.2	153.0	46.1	1204	2.53	5.8	3.0	7.4	67	0.7	0.1	0.5	26	1.06	0.036
Reference Materials																					
STD DS8	Standard		12.0	108.4	108.0	297	1.8	34.9	6.8	570	2.37	24.5	109.6	6.0	58	2.1	4.6	5.8	38	0.66	0.070
STD DS8	Standard		13.1	108.9	124.5	305	1.7	38.9	7.9	621	2.50	27.1	111.1	6.9	64	2.5	5.3	6.8	42	0.73	0.085
STD DS8	Standard		13.7	108.8	123.0	305	1.8	38.8	8.1	627	2.54	28.2	121.1	7.1	66	2.4	5.6	6.7	41	0.73	0.083
STD DS8	Standard		13.1	109.6	122.8	308	1.8	37.9	7.3	614	2.52	27.8	108.0	6.3	63	2.2	5.4	6.7	40	0.67	0.079
STD OXC88	Standard																				
STD OXC88	Standard																				
STD OXC88	Standard																				
STD OXH82	Standard																				
STD OXH82	Standard																				
STD OXC88 Expected																					
STD OXH82 Expected																					
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
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.1	0.9	<0.1	<1	<0.1	<0.1	<0.1	<1	0.03	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	1.6	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				



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Part 2

QUALITY CONTROL REPORT

WHI11000577.1

Method Analyte Unit MDL	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	3B
	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te	Au
	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2
Pulp Duplicates																		
40661 Rock	7	3	0.11	57	0.002	1	0.33	0.023	0.12	<0.1	<0.01	0.4	<0.1	<0.05	1	0.8	<0.2	2
REP 40661 QC																		4
41961 Rock	15	43	0.43	37	0.076	1	0.98	0.058	0.22	0.4	<0.01	4.0	0.2	0.80	5	1.1	0.4	172
REP 41961 QC	16	44	0.43	39	0.079	1	0.98	0.059	0.22	0.3	<0.01	4.2	0.1	0.77	5	0.9	0.3	
Core Reject Duplicates																		
40659 Rock	21	28	0.64	27	0.019	2	1.24	0.054	0.05	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2	14
DUP 40659 QC	19	26	0.62	26	0.018	2	1.18	0.055	0.05	<0.1	0.02	2.3	<0.1	<0.05	3	0.6	<0.2	7
Reference Materials																		
STD DS8 Standard	14	104	0.58	268	0.103	2	0.89	0.084	0.39	2.8	0.22	2.0	5.0	0.15	5	6.0	4.5	
STD DS8 Standard	15	119	0.64	279	0.121	3	0.95	0.091	0.41	3.0	0.21	2.0	5.7	0.17	5	5.2	4.9	
STD DS8 Standard	15	121	0.64	281	0.120	4	0.97	0.092	0.42	3.1	0.21	2.3	5.6	0.16	5	5.1	5.0	
STD DS8 Standard	14	117	0.61	258	0.118	3	0.90	0.083	0.41	2.9	0.21	2.2	5.4	0.16	4	5.4	5.3	
STD OXC88 Standard																		196
STD OXC88 Standard																		204
STD OXC88 Standard																		197
STD OXH82 Standard																		1303
STD OXH82 Standard																		1299
STD OXC88 Expected																		203
STD OXH82 Expected																		1278
STD DS8 Expected	14.6	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																		<2
BLK Blank																		<2
BLK Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK Blank																		<2
BLK Blank																		<2
BLK Blank																		<2
BLK Blank																		<2



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Part 1

QUALITY CONTROL REPORT

WHI11000577.1

		WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	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
BLK	Blank		<0.1	12.5	<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
Prep Wash																					
G1	Prep Blank		0.2	1.7	3.2	44	<0.1	3.7	4.3	553	1.93	<0.5	<0.5	6.1	67	<0.1	<0.1	<0.1	36	0.58	0.076
G1	Prep Blank		0.1	1.7	3.0	46	<0.1	3.9	4.3	559	1.91	0.5	0.9	5.5	61	<0.1	<0.1	<0.1	36	0.58	0.075



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Part 2

QUALITY CONTROL REPORT

WHI11000577.1

		1DX30 La ppm 1	1DX30 Cr ppm 1	1DX30 Mg % 0.01	1DX30 Ba ppm 1	1DX30 Ti % 0.001	1DX30 B ppm 1	1DX30 Al % 0.01	1DX30 Na % 0.001	1DX30 K % 0.01	1DX30 W ppm 0.1	1DX30 Hg ppm 0.01	1DX30 Sc ppm 0.1	1DX30 Ti ppm 0.1	1DX30 S % 0.05	1DX30 Ga ppm 1	1DX30 Se ppm 0.5	1DX30 Te ppm 0.2	3B Au ppb 2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																			
G1	Prep Blank	12	9	0.57	218	0.136	2	1.12	0.122	0.50	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2	<2
G1	Prep Blank	10	15	0.62	231	0.127	<1	1.03	0.085	0.48	<0.1	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2	<2



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Submitted By: Ian Gendall

Receiving Lab: Canada-Whitehorse

Received: July 19, 2011

Report Date: August 03, 2011

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11000655.1

CLIENT JOB INFORMATION

Project: Kluane
Shipment ID: Kluane-009
P.O. Number
Number of Samples: 14

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

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

Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Hua Jin

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	12	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01+3B04	14	Fire assay fusion Au by ICP-ES	50	Completed	VAN
1DX1	14	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: Kluane
Report Date: August 03, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11000655.1

	Method Analyte Unit MDL	WGHT	3B-50	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
		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	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
41311	Rock	2.28	<2	0.6	12.2	4.6	92	0.1	18.5	17.6	526	4.40	1.3	<0.5	1.5	231	0.9	0.2	<0.1	69
41360	Rock Pulp	0.15	<2	1.0	27.0	6.3	42	<0.1	87.1	22.0	444	3.25	0.5	<0.5	1.9	200	<0.1	<0.1	<0.1	55
41305	Rock	2.26	4	0.4	24.5	3.8	63	<0.1	40.4	13.6	416	2.31	10.3	0.9	2.6	16	<0.1	<0.1	0.1	35
41312	Rock	1.90	9	0.4	215.6	25.0	149	2.9	3.3	10.0	376	3.12	128.4	9.4	3.6	55	2.5	4.5	0.9	33
41306	Rock	1.94	<2	0.4	36.8	3.5	66	<0.1	25.1	10.7	425	2.57	3.7	<0.5	2.9	32	<0.1	<0.1	0.2	37
41307	Rock	3.50	61	2.3	187.6	27.7	146	4.4	6.2	13.3	710	2.71	28.9	49.7	2.3	59	2.0	2.9	1.1	12
41308	Rock	1.99	<2	0.2	60.9	5.4	57	0.3	56.0	21.8	338	4.60	18.7	<0.5	3.1	79	0.3	1.2	0.5	107
41309	Rock	2.76	9	1.0	29.1	14.5	62	0.6	25.1	6.2	255	2.48	54.0	8.7	6.8	29	1.0	1.1	0.4	76
41310	Rock	3.30	61	0.8	150.1	33.3	152	3.3	4.5	7.1	444	3.04	28.2	90.3	2.3	37	2.5	1.5	1.5	9
41361	Rock Pulp	0.16	986	1.6	24.2	51.5	47	0.3	64.1	19.0	370	4.76	2.6	999.1	2.3	125	0.2	0.2	0.3	36
40090	Rock	2.72	7	0.7	31.7	3.3	83	<0.1	51.2	12.0	482	3.51	6.8	2.5	3.8	39	<0.1	<0.1	0.2	91
40629	Rock	2.25	<2	0.5	64.4	2.8	102	0.1	39.1	15.3	499	4.23	6.3	<0.5	4.6	37	0.1	<0.1	0.2	96
40121	Rock	1.93	<2	0.5	33.2	5.2	39	0.2	29.8	12.3	128	3.20	0.9	<0.5	10.7	199	<0.1	<0.1	0.4	46
40122	Rock	1.39	6	6.8	61.5	7.3	335	0.5	21.8	10.2	368	3.36	41.0	4.0	4.3	50	4.3	0.6	0.3	100



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Project: Kluane
Report Date: August 03, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI11000655.1

	Method Analyte Unit MDL	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	Sc	Tl	S	Ga	Se
		%	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	0.1	0.05	1	0.5
41311	Rock	0.213	16	34	2.03	111	0.269	<20	3.46	0.219	0.09	<0.1	<0.01	1.5	<0.1	<0.05	10	<0.5
41360	Rock Pulp	0.105	13	57	1.62	51	0.448	<20	1.49	0.575	0.36	<0.1	<0.01	0.4	<0.1	<0.05	6	<0.5
41305	Rock	0.053	6	33	0.57	39	0.027	<20	1.12	0.023	0.10	<0.1	<0.01	2.3	<0.1	<0.05	3	<0.5
41312	Rock	0.085	5	5	0.75	45	0.070	<20	2.35	0.022	0.36	<0.1	<0.01	2.8	0.3	1.24	9	3.7
41306	Rock	0.155	6	31	0.70	57	0.044	<20	1.24	0.021	0.17	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5
41307	Rock	0.074	5	2	0.57	64	0.008	<20	2.54	0.027	0.30	<0.1	<0.01	1.8	0.3	1.55	8	2.1
41308	Rock	0.062	8	105	1.96	233	0.525	<20	5.14	0.368	1.76	0.3	<0.01	11.2	1.0	1.27	16	1.4
41309	Rock	0.067	9	28	0.79	348	0.048	<20	1.90	0.014	0.50	<0.1	<0.01	2.8	0.3	0.54	6	1.9
41310	Rock	0.074	5	2	0.49	37	0.006	<20	2.61	0.041	0.26	<0.1	<0.01	1.3	0.2	1.54	8	1.3
41361	Rock Pulp	0.084	11	49	1.29	59	0.352	<20	1.22	0.546	0.36	<0.1	0.01	0.6	0.4	2.76	5	1.1
40090	Rock	0.068	10	109	1.56	503	0.175	<20	2.70	0.109	1.30	<0.1	<0.01	5.3	0.3	<0.05	9	<0.5
40629	Rock	0.094	9	69	1.55	335	0.182	<20	2.73	0.058	1.37	<0.1	<0.01	5.1	0.4	<0.05	9	<0.5
40121	Rock	0.063	13	45	0.87	21	0.133	<20	4.16	0.305	0.58	0.2	<0.01	4.3	0.3	1.23	12	0.6
40122	Rock	0.074	9	41	0.74	364	0.195	<20	1.79	0.076	0.70	0.6	<0.01	5.5	0.4	0.56	7	2.4



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Project:

Kluane

Report Date:

August 03, 2011

Page:

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Part 1

QUALITY CONTROL REPORT

WHI11000655.1

	Method Analyte Unit MDL	WGHT	3B-50	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
Pulp Duplicates																					
41306	Rock	1.94	<2	0.4	36.8	3.5	66	<0.1	25.1	10.7	425	2.57	3.7	<0.5	2.9	32	<0.1	<0.1	0.2	37	0.33
REP 41306	QC			0.3	35.1	3.5	61	<0.1	24.5	10.2	417	2.45	3.2	2.8	2.8	31	<0.1	<0.1	0.1	36	0.33
Reference Materials																					
STD DS8	Standard			13.2	112.7	130.3	321	1.8	38.6	7.7	610	2.54	27.8	103.0	7.3	76	2.4	4.4	7.2	41	0.70
STD OREAS45CA	Standard			0.6	513.6	22.9	58	0.3	252.0	95.0	951	16.76	3.1	41.7	7.6	16	0.1	<0.1	0.2	213	0.43
STD OXC88	Standard		197																		
STD OXC88	Standard		199																		
STD OXH82	Standard		1301																		
STD OXH82	Standard		1295																		
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																		
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
Prep Wash																					
G1	Prep Blank		<2	<0.1	1.4	3.1	48	<0.1	3.7	4.3	575	2.07	1.2	<0.5	5.8	75	<0.1	<0.1	<0.1	38	0.56
G1	Prep Blank		<2	<0.1	1.5	3.2	47	<0.1	3.6	4.6	577	2.08	1.4	<0.5	5.7	76	<0.1	<0.1	<0.1	38	0.51



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Project: Kluane
Report Date: August 03, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

WHI11000655.1

Method Analyte Unit MDL		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	Sc	Tl	S	Ga	Se	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	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
41306	Rock	0.155	6	31	0.70	57	0.044	<20	1.24	0.021	0.17	<0.1	<0.01	2.2	<0.1	<0.05	4	<0.5	<0.2
REP 41306	QC	0.148	5	29	0.67	55	0.043	<20	1.19	0.020	0.17	<0.1	<0.01	2.0	<0.1	<0.05	4	0.5	<0.2
Reference Materials																			
STD DS8	Standard	0.082	14	121	0.62	294	0.128	<20	0.90	0.086	0.43	2.6	0.32	1.9	5.5	0.17	5	5.5	5.1
STD OREAS45CA	Standard	0.039	16	676	0.16	156	0.153	<20	3.70	0.011	0.07	<0.1	0.03	35.6	<0.1	<0.05	18	1.0	<0.2
STD OXC88	Standard																		
STD OXC88	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	2.3	5.4	0.1679	4.7	5.23	5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
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	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1	Prep Blank	0.080	10	6	0.61	235	0.149	<20	0.98	0.079	0.52	<0.1	0.01	1.8	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.078	9	7	0.61	225	0.155	<20	1.03	0.087	0.51	<0.1	<0.01	1.7	0.3	<0.05	5	<0.5	<0.2



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Submitted By: Ian Gendall

Receiving Lab: Canada-Whitehorse

Received: August 02, 2011

Report Date: August 20, 2011

Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11000815.1

CLIENT JOB INFORMATION

Project: Kluane
Shipment ID: Haine003
P.O. Number
Number of Samples: 39

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

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

Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Hua Jin

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	35	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01+3B04	39	Fire assay fusion Au by ICP-ES	50	Completed	VAN
1DX1	39	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Project:

Kluane

Report Date:

August 20, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000815.1

	Method Analyte Unit MDL	WGHT	3B-50	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	%	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
40791	Rock	2.31	<2	0.4	19.9	1.8	67	<0.1	51.5	24.6	757	3.96	1.5	1.1	0.8	81	0.1	<0.1	0.1	35	1.45
40792	Rock Pulp	0.11	964	1.6	25.7	49.7	45	0.2	62.9	19.2	366	4.51	2.5	953.1	1.9	126	0.2	0.3	0.3	39	0.51
40676	Rock	1.91	5	16.4	582.1	32.4	144	14.2	0.7	1.0	301	2.29	1226	5.7	8.9	16	7.2	0.2	47.7	4	0.08
40670	Rock	1.91	3	0.4	31.4	4.5	31	0.1	18.9	9.3	266	1.53	11.1	1.0	0.3	6	<0.1	<0.1	0.1	21	0.06
40787	Rock	1.89	<2	0.6	17.9	3.2	18	<0.1	2.5	2.4	97	1.52	4.7	<0.5	5.9	15	<0.1	<0.1	0.2	22	0.17
40673	Rock	2.15	50	8.6	9864	37.1	85	>100	0.5	22.8	275	3.85	354.4	44.6	7.4	23	1.1	0.1	82.1	4	0.11
40790	Rock	2.05	<2	0.7	22.7	2.0	69	0.5	5.7	12.6	383	3.34	0.9	<0.5	4.1	57	<0.1	<0.1	0.2	84	1.02
40050	Rock	1.69	<2	1.3	78.5	2.9	37	0.9	34.5	16.3	224	3.76	0.8	<0.5	5.0	13	<0.1	<0.1	0.3	77	0.06
40123	Rock	2.25	2	1.6	37.6	6.4	69	0.3	24.9	10.2	214	3.48	3.2	<0.5	2.8	100	0.2	<0.1	0.2	129	2.23
40678	Rock	1.10	82	5.3	116.0	24.2	62	10.6	0.5	0.6	187	1.14	104.1	56.3	7.9	1	1.1	0.1	112.6	4	0.03
40793	Rock Pulp	0.11	<2	1.2	27.9	6.0	40	<0.1	88.8	22.5	467	3.30	0.8	1.0	1.5	202	<0.1	<0.1	1.2	60	0.65
40048	Rock	1.68	<2	1.5	15.8	2.3	57	<0.1	12.4	16.5	332	4.05	<0.5	1.1	4.1	122	<0.1	<0.1	1.2	118	1.23
40046	Rock	1.91	<2	1.3	61.8	4.7	72	0.2	33.6	15.0	710	4.16	0.5	0.8	3.1	14	<0.1	<0.1	0.9	79	0.20
40788	Rock	2.00	<2	0.6	3.0	3.2	75	<0.1	0.4	0.4	131	1.09	<0.5	<0.5	7.1	3	0.2	<0.1	0.3	<2	0.03
40045	Rock	1.72	7	2.2	92.3	3.2	22	0.2	34.0	14.1	212	2.45	0.9	1.1	4.5	280	0.2	<0.1	0.2	41	3.47
40679	Rock	1.28	17	9.2	174.3	15.3	29	9.6	0.5	0.3	295	1.03	170.6	16.2	5.5	4	0.3	<0.1	81.6	2	0.03
40785	Rock	1.25	<2	0.8	19.2	2.3	70	<0.1	62.5	23.0	619	4.55	0.5	<0.5	1.1	182	0.1	<0.1	1.3	129	3.02
40047	Rock	1.81	3	0.8	73.1	5.5	48	0.1	58.2	29.6	310	5.47	<0.5	1.4	3.1	13	<0.1	<0.1	1.1	107	0.08
40672	Rock	1.50	5	>2000	38.1	5.6	71	0.2	0.9	0.9	177	1.52	1.1	4.1	8.7	5	<0.1	<0.1	1.9	3	0.11
40786	Rock	1.71	11	7.5	6.3	0.3	34	<0.1	0.7	4.3	157	3.45	<0.5	7.7	0.9	19	<0.1	<0.1	0.1	50	0.38
40039	Rock	1.48	<2	9.2	8.0	5.6	15	<0.1	1.7	2.2	114	1.34	<0.5	<0.5	19.9	13	<0.1	<0.1	<0.1	13	0.10
40668	Rock	2.67	3	0.5	9.9	1.1	5	<0.1	9.1	5.4	178	0.50	15.6	2.4	<0.1	6	<0.1	0.1	0.1	4	0.07
40038	Rock	1.60	<2	1.1	12.9	5.4	86	<0.1	31.1	15.1	629	4.00	0.9	<0.5	2.5	96	0.1	<0.1	<0.1	63	1.55
40794	Rock Pulp	0.11	982	1.7	23.6	47.2	47	0.2	65.6	18.9	375	4.62	2.5	915.9	1.9	124	0.2	0.2	0.3	39	0.53
40789	Rock	2.27	<2	0.2	4.2	5.3	52	<0.1	18.1	10.4	411	2.58	<0.5	0.6	8.0	5	<0.1	<0.1	<0.1	36	0.09
40675	Rock	1.25	59	3.3	1265	11.7	110	41.5	1.0	5.0	249	2.28	85.3	34.4	4.0	2	0.8	0.3	192.6	4	0.02
40671	Rock	1.87	2	0.3	16.5	4.8	46	<0.1	29.2	10.1	525	1.67	169.5	1.7	1.0	68	0.2	0.1	0.3	16	0.80
40034	Rock	1.31	<2	1.7	105.4	53.1	364	0.8	1.0	2.4	432	1.81	18.8	0.6	11.4	7	7.5	0.2	3.4	2	0.10
40666	Rock	2.90	<2	0.4	21.7	3.9	20	<0.1	13.5	3.8	107	1.14	4.6	<0.5	0.7	9	<0.1	<0.1	0.3	10	0.12
40040	Rock	1.81	50	2.0	227.0	1.5	31	0.2	0.8	12.9	80	5.86	<0.5	66.4	1.1	222	<0.1	<0.1	0.2	82	1.60



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Project:

Kluane

Report Date:

August 20, 2011

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Part 2

CERTIFICATE OF ANALYSIS

WHI11000815.1

	Method Analyte Unit MDL	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	Sc	Tl	S	Ga	Se
		%	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	0.1	0.05	1	0.5
40791	Rock	0.176	17	19	0.53	137	0.056	<20	1.13	0.252	0.07	<0.1	<0.01	2.1	<0.1	<0.05	2	<0.5
40792	Rock Pulp	0.079	10	48	1.29	60	0.310	<20	1.22	0.540	0.32	<0.1	<0.01	<0.1	0.5	2.77	5	0.6
40676	Rock	0.014	29	2	0.05	145	0.011	<20	0.95	0.019	0.59	>100	<0.01	0.3	1.5	<0.05	6	1.8
40670	Rock	0.012	<1	9	0.33	13	0.007	<20	0.62	0.034	0.04	0.3	<0.01	0.7	<0.1	<0.05	2	<0.5
40787	Rock	0.031	11	7	0.06	54	0.034	<20	0.34	0.081	0.12	0.3	0.01	<0.1	<0.1	<0.05	2	<0.5
40673	Rock	0.007	15	22	0.03	89	0.018	<20	1.06	0.016	0.56	>100	<0.01	0.3	1.1	0.79	6	27.7
40790	Rock	0.239	19	19	1.13	690	0.414	<20	1.90	0.152	1.21	0.4	<0.01	2.2	0.3	<0.05	7	<0.5
40050	Rock	0.011	14	51	0.94	71	0.138	<20	2.38	0.045	0.57	0.7	<0.01	5.4	0.2	0.69	7	<0.5
40123	Rock	0.099	12	96	1.62	376	0.436	<20	5.24	0.405	1.20	0.2	<0.01	7.7	0.7	0.62	14	1.3
40678	Rock	0.011	18	<1	0.06	52	0.026	<20	0.65	0.024	0.34	1.3	<0.01	0.8	0.5	<0.05	4	0.6
40793	Rock Pulp	0.109	12	59	1.70	47	0.463	<20	1.60	0.600	0.35	<0.1	0.01	0.2	<0.1	<0.05	6	<0.5
40048	Rock	0.184	14	30	1.19	260	0.253	<20	2.51	0.254	0.85	<0.1	<0.01	3.6	0.3	0.58	8	<0.5
40046	Rock	0.043	9	77	1.26	184	0.261	<20	2.39	0.064	1.06	0.2	<0.01	7.0	0.5	0.41	8	0.6
40788	Rock	0.005	28	<1	<0.01	43	0.005	<20	0.37	0.059	0.11	<0.1	<0.01	0.9	<0.1	<0.05	2	<0.5
40045	Rock	0.076	15	21	0.23	140	0.129	<20	4.83	0.153	0.15	0.3	0.01	0.9	<0.1	0.77	15	0.7
40679	Rock	0.009	18	2	0.02	56	0.004	<20	0.49	0.020	0.34	92.5	<0.01	0.3	0.5	<0.05	3	1.5
40785	Rock	0.165	14	99	3.31	150	0.235	<20	3.47	0.243	0.15	<0.1	<0.01	8.0	<0.1	<0.05	10	<0.5
40047	Rock	0.024	10	105	1.22	206	0.202	<20	3.40	0.051	1.12	0.7	0.01	8.3	0.4	0.55	11	<0.5
40672	Rock	0.014	17	<1	0.09	41	0.061	<20	0.64	0.056	0.36	3.0	<0.01	1.0	0.8	0.40	5	2.6
40786	Rock	0.128	17	2	0.11	80	0.071	<20	0.49	0.107	0.09	0.1	<0.01	1.7	<0.1	<0.05	5	<0.5
40039	Rock	0.022	28	4	0.15	133	0.056	<20	0.61	0.063	0.18	<0.1	0.01	1.4	<0.1	<0.05	4	<0.5
40668	Rock	0.004	<1	3	0.03	9	0.003	<20	0.15	0.009	0.02	0.3	<0.01	<0.1	<0.1	<0.05	<1	<0.5
40038	Rock	0.152	15	63	1.71	266	0.169	<20	2.32	0.153	0.17	<0.1	0.01	3.6	<0.1	<0.05	9	<0.5
40794	Rock Pulp	0.087	10	48	1.32	60	0.308	<20	1.23	0.543	0.33	<0.1	<0.01	0.4	0.5	2.83	5	0.8
40789	Rock	0.034	19	36	0.63	182	0.065	<20	1.60	0.025	0.38	<0.1	<0.01	3.0	0.2	<0.05	6	<0.5
40675	Rock	0.008	14	2	0.06	39	0.021	<20	0.74	0.008	0.31	>100	<0.01	0.5	0.6	<0.05	4	1.8
40671	Rock	0.085	3	27	0.45	19	0.007	<20	0.82	0.061	0.03	0.4	<0.01	0.8	<0.1	<0.05	2	<0.5
40034	Rock	0.034	17	2	0.09	50	0.001	<20	0.59	0.049	0.17	0.7	<0.01	0.6	0.2	<0.05	3	<0.5
40666	Rock	0.053	3	9	0.14	15	0.011	<20	0.40	0.041	0.04	<0.1	0.01	0.4	<0.1	<0.05	1	<0.5
40040	Rock	0.214	14	7	0.12	70	0.083	<20	2.45	0.452	0.08	<0.1	0.01	1.6	<0.1	0.61	11	1.6



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Report Date: August 20, 2011

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CERTIFICATE OF ANALYSIS

WHI11000815.1

	Method Analyte Unit MDL	WGHT	3B-50	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
		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
40036	Rock	1.26	2	0.4	3.1	5.9	32	<0.1	1.7	0.9	159	1.11	15.5	5.4	6.6	3	<0.1	0.1	0.1	<2
40669	Rock	2.53	89	0.4	61.7	7.9	18	0.1	24.2	10.1	569	1.45	207.3	60.4	0.1	43	0.4	0.4	0.8	14
40674	Rock	1.72	25	1.6	6570	22.0	266	>100	0.5	2.4	277	2.62	17.9	19.9	8.5	3	1.6	<0.1	97.0	4
40667	Rock	1.90	4	0.2	27.3	6.9	10	0.3	7.4	2.6	114	0.81	18.7	2.8	0.2	<1	<0.1	0.1	0.4	3
40795	Rock Pulp	0.11	<2	1.4	27.2	6.1	43	<0.1	84.4	22.2	449	3.18	0.6	<0.5	1.8	196	<0.1	<0.1	<0.1	55
40035	Rock	1.28	4	0.9	6.3	10.0	28	<0.1	1.4	1.1	207	0.91	8.8	<0.5	19.2	<1	0.1	1.4	5.4	<2
40049	Rock	1.25	<2	0.2	4.2	2.4	49	<0.1	5.5	7.1	256	2.30	<0.5	<0.5	14.2	63	<0.1	<0.1	<0.1	35
40677	Rock	0.85	10	24.7	1222	99.1	361	5.3	1.0	1.4	445	3.64	806.1	9.3	4.0	1	4.7	0.7	11.3	<2
40037	Rock	0.97	<2	0.6	14.3	9.0	122	0.2	21.2	21.5	959	5.28	5.7	<0.5	0.8	142	0.2	0.1	<0.1	111



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Report Date: August 20, 2011

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CERTIFICATE OF ANALYSIS

WHI11000815.1

	Method Analyte Unit MDL	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	Sc	Tl	S	Ga	Se	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	0.1	0.05	1	0.5	0.2
40036	Rock	0.007	16	2	0.03	57	0.007	<20	0.44	0.062	0.12	<0.1	<0.01	0.7	<0.1	<0.05	4	<0.5	<0.2
40669	Rock	0.047	1	4	0.13	33	0.005	<20	0.82	0.066	0.05	>100	<0.01	0.1	<0.1	<0.05	4	<0.5	0.3
40674	Rock	0.012	21	2	0.07	140	0.024	<20	1.17	0.013	0.55	>100	<0.01	0.5	0.9	<0.05	6	5.1	0.4
40667	Rock	0.002	<1	4	0.06	11	0.001	<20	0.17	0.022	0.03	0.2	0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
40795	Rock Pulp	0.113	12	57	1.67	52	0.464	<20	1.53	0.601	0.34	<0.1	<0.01	0.3	<0.1	<0.05	6	<0.5	<0.2
40035	Rock	0.009	8	1	0.02	30	0.013	<20	0.32	0.055	0.12	0.5	<0.01	1.2	<0.1	<0.05	2	<0.5	<0.2
40049	Rock	0.075	24	17	0.56	379	0.263	<20	1.35	0.167	0.61	0.2	<0.01	2.5	0.3	<0.05	6	<0.5	<0.2
40677	Rock	0.015	14	2	0.03	71	0.002	<20	0.81	0.005	0.43	0.4	<0.01	0.4	1.0	<0.05	10	1.1	<0.2
40037	Rock	0.236	14	69	2.70	283	0.173	<20	3.38	0.127	0.18	<0.1	<0.01	8.3	<0.1	<0.05	13	<0.5	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11000815.1

	Method Analyte Unit MDL	WGHT	3B-50	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	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
Pulp Duplicates																					
REP G1	QC	<2																			
40679	Rock	1.28	17	9.2	174.3	15.3	29	9.6	0.5	0.3	295	1.03	170.6	16.2	5.5	4	0.3	<0.1	81.6	2	0.03
REP 40679	QC			9.2	172.1	15.8	27	9.5	1.1	0.3	306	1.04	167.1	13.2	5.9	6	0.3	<0.1	82.6	2	0.02
40795	Rock Pulp	0.11	<2	1.4	27.2	6.1	43	<0.1	84.4	22.2	449	3.18	0.6	<0.5	1.8	196	<0.1	<0.1	<0.1	55	0.61
REP 40795	QC			1.3	27.5	6.1	39	<0.1	86.1	22.8	443	3.14	0.5	<0.5	2.1	189	<0.1	<0.1	<0.1	55	0.60
40037	Rock	0.97	<2	0.6	14.3	9.0	122	0.2	21.2	21.5	959	5.28	5.7	<0.5	0.8	142	0.2	0.1	<0.1	111	2.61
REP 40037	QC	<2																			
Core Reject Duplicates																					
40046	Rock	1.91	<2	1.3	61.8	4.7	72	0.2	33.6	15.0	710	4.16	0.5	0.8	3.1	14	<0.1	<0.1	0.9	79	0.20
DUP 40046	QC	2		1.2	58.3	4.2	65	<0.1	32.1	13.4	628	4.11	<0.5	0.6	3.1	15	<0.1	<0.1	0.4	78	0.18
Reference Materials																					
STD DS8	Standard			13.4	112.6	121.9	309	1.8	38.1	7.5	600	2.39	25.2	98.4	6.5	66	2.3	4.4	7.0	40	0.68
STD DS8	Standard			13.4	113.2	125.1	312	1.6	40.2	7.8	659	2.68	24.8	95.4	6.5	71	2.2	3.9	5.4	46	0.75
STD OREAS45CA	Standard			0.8	508.6	21.5	61	0.3	247.7	95.8	999	17.03	3.6	36.9	7.2	15	<0.1	<0.1	0.2	210	0.43
STD OREAS45CA	Standard			0.8	538.3	21.4	63	0.2	256.7	93.0	943	16.27	3.2	33.9	6.7	16	0.1	<0.1	0.6	219	0.43
STD OXC88	Standard	200																			
STD OXC88	Standard	221																			
STD OXH82	Standard	1316																			
STD OXH82	Standard	1406																			
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																			
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



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Part 2

QUALITY CONTROL REPORT

WHI11000815.1

Method Analyte Unit MDL		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	Sc	Tl	S	Ga	Se	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	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
REP G1	QC																		
40679	Rock	0.009	18	2	0.02	56	0.004	<20	0.49	0.020	0.34	92.5	<0.01	0.3	0.5	<0.05	3	1.5	0.9
REP 40679	QC	0.008	17	4	0.02	55	0.004	<20	0.51	0.021	0.36	80.7	<0.01	0.3	0.5	<0.05	3	0.9	0.8
40795	Rock Pulp	0.113	12	57	1.67	52	0.464	<20	1.53	0.601	0.34	<0.1	<0.01	0.3	<0.1	<0.05	6	<0.5	<0.2
REP 40795	QC	0.113	12	58	1.65	50	0.474	<20	1.50	0.593	0.34	<0.1	<0.01	0.3	<0.1	<0.05	5	<0.5	<0.2
40037	Rock	0.236	14	69	2.70	283	0.173	<20	3.38	0.127	0.18	<0.1	<0.01	8.3	<0.1	<0.05	13	<0.5	<0.2
REP 40037	QC																		
Core Reject Duplicates																			
40046	Rock	0.043	9	77	1.26	184	0.261	<20	2.39	0.064	1.06	0.2	<0.01	7.0	0.5	0.41	8	0.6	<0.2
DUP 40046	QC	0.039	9	84	1.22	175	0.251	<20	2.41	0.067	1.09	<0.1	<0.01	7.3	0.4	0.37	8	<0.5	<0.2
Reference Materials																			
STD DS8	Standard	0.078	13	116	0.59	284	0.121	<20	0.88	0.090	0.41	2.6	0.21	1.9	5.2	0.17	5	5.2	5.0
STD DS8	Standard	0.086	14	122	0.66	276	0.122	<20	0.97	0.092	0.45	2.4	0.19	1.9	5.0	0.18	5	4.5	5.0
STD OREAS45CA	Standard	0.039	16	695	0.14	166	0.149	<20	3.71	0.011	0.07	<0.1	0.04	37.6	<0.1	<0.05	19	0.6	<0.2
STD OREAS45CA	Standard	0.038	15	707	0.14	153	0.131	<20	3.87	0.016	0.07	<0.1	0.03	37.2	<0.1	<0.05	19	<0.5	<0.2
STD OXC88	Standard																		
STD OXC88	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	2.3	5.4	0.1679	4.7	5.23	5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
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	<0.1	<0.05	<1	<0.5	<0.2



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Vancouver BC V6C 1H2 Canada

Project:

Kluane

Report Date:

August 20, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11000815.1

		WGHT	3B-50	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
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.02	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank			0.1	1.3	7.8	55	<0.1	3.6	4.6	604	2.05	2.2	6.2	5.5	62	<0.1	<0.1	0.2	41	0.65
G1	Prep Blank		2	0.1	1.0	4.9	50	<0.1	3.9	5.0	582	2.08	3.9	4.1	5.7	65	<0.1	<0.1	0.2	41	0.48
G1	Prep Blank		2																		



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Part 2

QUALITY CONTROL REPORT

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		1DX P %	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Sc ppm	1DX Tl ppm	1DX S %	1DX Ga ppm	1DX Se ppm	1DX Te ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1	Prep Blank	0.080	10	7	0.69	219	0.142	<20	1.04	0.091	0.51	<0.1	0.02	1.2	0.3	<0.05	6	<0.5	<0.2
G1	Prep Blank	0.078	11	7	0.61	229	0.139	<20	1.09	0.102	0.51	<0.1	<0.01	1.2	0.3	<0.05	6	<0.5	<0.2
G1	Prep Blank																		