

Geological and geochemical report on the PDM Claim

Mayo Mining District

NTS:
105J 13

LAT: 62°50' LONG: 131°39'

CLAIMS

PDM 1 – 20 (YC47987-YC48006)
PDM 21 – 40 (YC54958-YC54977)
PDM 41 – 78 (YC57606-YC57643)
PDM 79 – 198 (YD129501-YD129620)
PDM 199 – 340 (YE17605-YE19302)
PDM 341 – 348 (YD17747-YD17754)
PDM 349 – 352 (YE19303-YE19306)
PDM 353 – 360 (YE17759-YE17766)
PDM 361 – 364 (YE19307-YE19310)
PDM 365 – 372 (YE17771-YE17778)
PDM 373 – 376 (YE19311-YE19314)
PDM 377 – 384 (YE17783-YE17790)
PDM 385 – 408 (YE19315-YE19338)
PDM 409 – 624 (YE17815-YE18030)
PDM 625 – 688 (YE19339-YE19402)

Dates of Work: July 20 - 29 & August 25th,2011

Ryan Gold Corp.

Author: Hua Jin

April 2012

SUMMARY

The 2011 exploration work at PDM claim comprises soil geochemistry survey of 50m sampling station spacing on the main ridge and spur line in an effort to cover the areas of little historical soil geochemistry data and expanded claim block in the northwest of the PDM claim, prospecting, limited geological mapping and rock sampling. A total of 2008 soil samples were collected by the GroundTruth Exploration and 29 rock samples were collected by Ryan Gold Corp during the course of geological mapping and prospecting in 2011.

The best Au values in soils are 109 ppb and 171 ppb while majority of soil samples returned gold values less than 30 ppb. A number of copper in soil anomalies were also delineated from the survey with most notable anomalous copper in soil area outlined in the southern central part of claim where copper in soil values generally exceeds 100 ppm. The most significant gold and copper values including 2.3 g/t Au, 0.7 g/t Au, 728.6 ppm Cu, and 1251 ppm Cu were returned from the outcrop grab samples taken from the iron rich skarn zones adjacent to the dikes to the southwest of the main mid-Cretaceous intrusive body mapped in the central part of the area. Another significant copper value of 982.5 ppm with 0.03 g/t Au was from an outcrop grab samples taken near the southern contact between the main intrusion and the surrounding Earn Group sediments.

The mid-Cretaceous Tombstone plutonic suite with varying composition of granodiorite to quartz monzonite mapped in the central part of the area contains cross cutting mm to cm scale weakly mineralized quartz / quartz-carbonate veins. The dominant mineralization within the intrusive rock is pyrite locally up to 5% with subordinate pyrrhotite as fracture coating or fracture filling and trace chalcopyrite. Gold values from the rock samples taken in 2011 from the main intrusion are generally lower to be considered as economic. Some narrow skarn zones identified to the southwest of the main intrusion contain consistently elevated copper and gold but then extent of the zone is generally very limited.

Next phase of work including detailed geological mapping and rock sampling is recommended to gain better understanding of the control of the mineralization as well as the structure in the area.

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1. INTROCUCTION

1.1 Location and Access

The PDM claim is located in the central Yukon Territory, approximately 110 km north-northeast of Ross Rive and north of South Macmillan River (Figure 1). The closest access point on the North Canal road to the PDM property is about 28.7km. The center of the claim is at latitude 62°50'N and longitude 131°39'W on NTS map sheet 105J13. The PDM Claim was accessed by helicopter from a TransNorth Helicopter based out of Faro before setting up a camp and then from a camp site near the North Canol Road to conduct the geological mapping. Soil sampling in 2011 was carried out by two teams of five man crew from the GroundTruth Exploraion Inc. based out a camp situated near the North Canol Road and another bush camp set up within the property.

1.2 Claim Status and Ownership

The PDM 1-688 claims were registered in the Mayo Mining District. The PDM 1-198 is 70% owned by Ryan Gold Corp and 30% owned by the 45127 Yukon Inc. The rest of PDM claim 199- 688 claim were registered in the name of Shawn Ryan. 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
PDM 1 - 20	YC47987-YC48006	May 19, 2021	45127 Yukon Inc. - 30%, Ryan Gold Corp. - 70%
PDM 21 - 40	YC54958-YC54977	May 19, 2020	45127 Yukon Inc. - 30%, Ryan Gold Corp. - 70%
PDM 41 - 78	YC57606-YC57643	May 19, 2017	45127 Yukon Inc. - 30%, Ryan Gold Corp. - 70%
PDM 79 - 198	YD129501-YD129620	March 5, 2014	45127 Yukon Inc. - 30%, Ryan Gold Corp. - 70%
PDM 199 - 340	YE17605-YE19302	March 5, 2014	Shawn Ryan - 100%
PDM 341 - 348	YD17747-YD17754	March 5, 2015	Shawn Ryan - 100%
PDM 349 - 352	YE19303-YE19306	March 5, 2015	Shawn Ryan - 100%
PDM 353 - 360	YE17759-YE17766	March 5, 2014	Shawn Ryan - 100%
PDM 361 - 364	YE19307-YE19310	March 5, 2015	Shawn Ryan - 100%
PDM 365 - 372	YE17771-YE17778	March 5, 2014	Shawn Ryan - 100%
PDM 373 - 376	YE19311-YE19314	March 5, 2015	Shawn Ryan - 100%
PDM 377 - 384	YE17783-YE17790	March 5, 2014	Shawn Ryan - 100%
PDM 385 - 408	YE19315-YE19338	March 5, 2015	Shawn Ryan - 100%
PDM 409 - 624	YE17815-YE18030	March 5, 2014	Shawn Ryan - 100%
PDM 625 - 688	YE19339-YE19402	March 5, 2015	Shawn Ryan - 100%

(Expiry date includes 2011 work filed for assessment.)

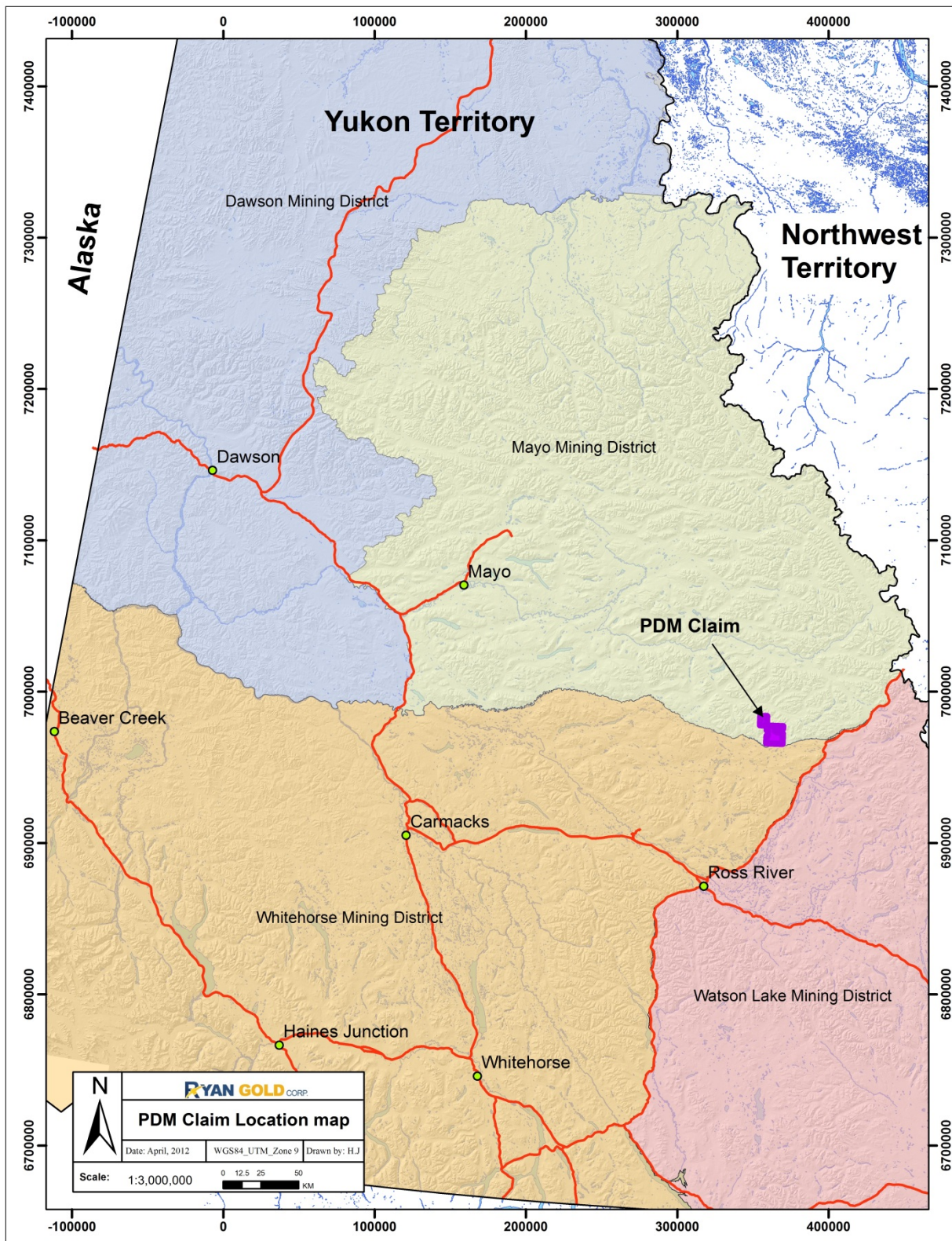


Figure 1. Claim Location Map

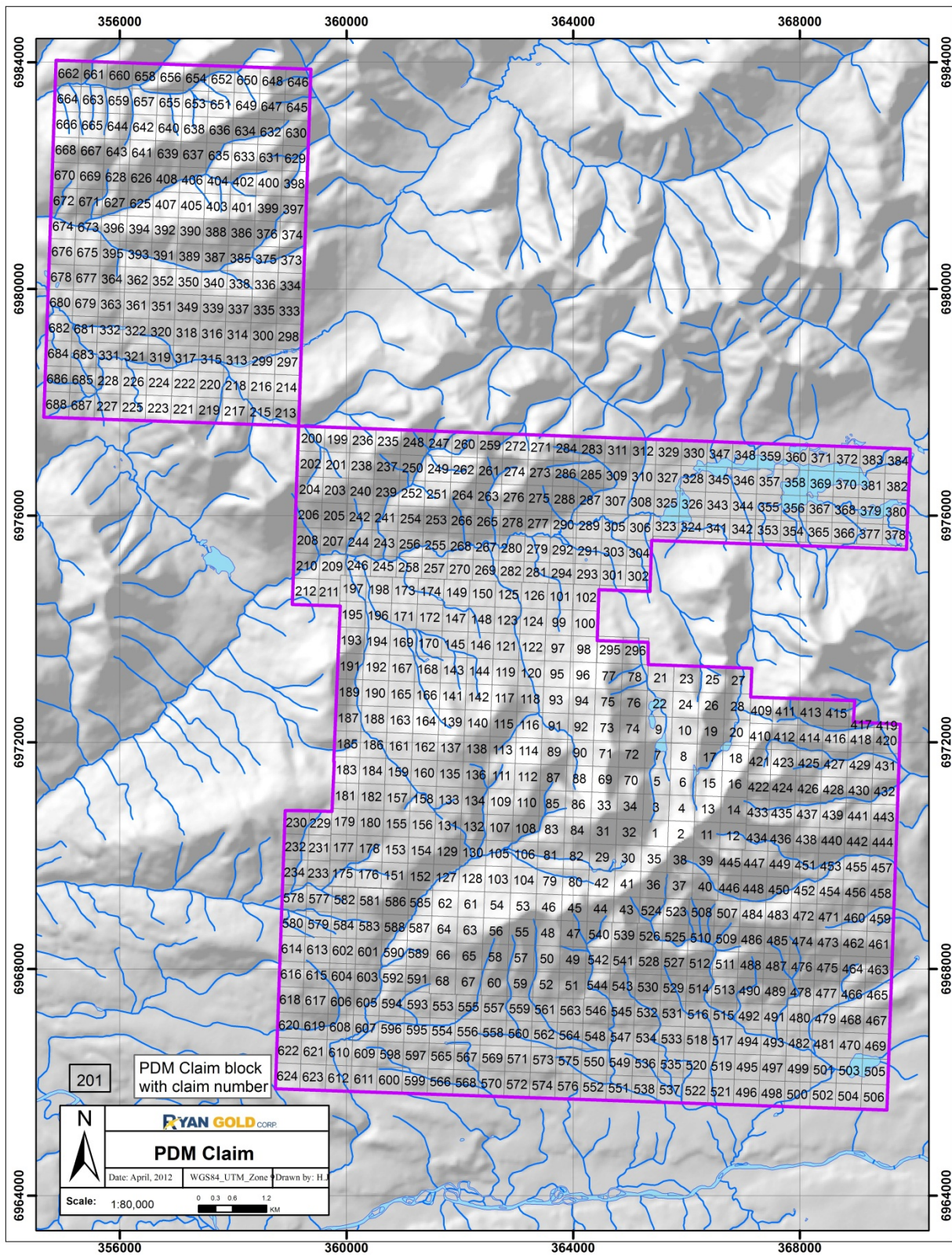


Figure 2. PDM Claim map

1.3 Physiography and Vegetation

The area is characterized by steep terrain with elevation ranging from 1020m at the valley bottom to about 2100 m above sea level at the cliff tops. Most of claim area is covered by typical northern boreal spruce and fir below 1060m, unvegetated talus slope above 1500m with subalpine willow approximately between 1060m and 1500m. The area has a typical continental northern climate with generally warm sunny summers, temperatures ranging between 10°C to 20 °C during the summer, and drops to -10°C to -30°C during the long cold winters with moderate precipitation.

2. HISTORY AND PREVIOUS WORK

Previous exploration work on the property has been summarized below:

- 1967-68 Atlas Exploration identified disseminated copper mineralization and anomalous silt geochemistry in and around the Spearhead Mountain Stock (Brock, 1967). Atlas Exploration continued exploration through prospecting, mapping and geochemical sampling in 1968 (Coates, 1968).
- 1971-72 Phelps Dodge Corporation of Canada staked the PDM 1-144 claim group over the Spearhead Mountain Stock and surrounding sedimentary rock in 1971 and carried out mapping, geochemical sampling, magnetometer surveys and blast trenching. The program identified a north-northeast trending, 2200 by 1300m band of disseminated and fracture filling mineralization with up to 0.3% copper. No gold results were reported (Hilker, 1972).
- 1998 Viceroy Exploration (Canada) Inc. restaked the area as the Mozart 1-144 claims. Exploration work consisted of limited geological mapping and reconnaissance level geochemical sampling with best assay results up to 6g/t Au in rock samples and 270 ppb in silt samples (Diment, 1999).
- 2006-07 Shawn Ryan restaked the Spearhead Mountain Stock as the PDM 1-20 claims and later added the PDM 21-40 claims upon promising copper and gold values in soil and prospecting (Ryan, 2006 and Gregory, 2009).
- 2008 Archer, Cathro and Associates Limited was contracted by Strategic Metals to carry out an exploration program comprised of helicopter-borne versatile time domain electromagnetic (VTEM) and magnetic survey, prospecting, soil sampling, diamond drilling of three drill holes totalling 883.93m and hand trenching to expose mineralized bedrock at a gold-in soil anomaly discovered in the previous year. Soil survey outlined a new showing highly anomalous gold in soil over 75m by 150m. A hand trench dug across the showing averaged 1.5g/t Au over 18m and a strong single

line VTEM conductor was also obtained over the showing. Assay results from three holes indicated sub-economic concentration of gold and copper with best result of 0.213 g/t Au and 345 ppm Cu over 50m and single best gold value of 1.085 g/t (Gregory, 2009).

3. 2011 WORK

An exploration program comprised of ridge and spur soil sampling, prospecting and rock sampling was carried out from July 20th to 29th and August 25th in 2011. A total of 2008 soil samples were collected by GroundTruth Exploration Inc. based out of Dawson, Yukon Territory and additional 29 rock samples were collected by geologists from Ryan Gold Corp. The soil and rock sample location is shown in Figure 3.

4. GEOLOGY

4.1 Regional Geology

The PDM claim group lies within the Selwyn Basin extending ESE from the northwest of Dawson City to the Yukon-NWT boarder consists of Paleozoic sedimentary rocks including shelf to off-shelf marine clastic and chemical sediments and basinal clastic sediments originated from the Ancient North American continental margin. The sediments of Selwyn Basin were intruded by Mid-Cretaceous Tombstone plutonic suite consisting of fine to medium grained biotite hornblende granodiorite, quartz monzonite. The intrusive are considered to be associated with much of the mineralization in the Selwyn Basin.

Extensive ESE trending thrust faults roughly dipping south occur in the Selwyn Basin subparallel to the overall trend of the stratigraphy of the Selwyn Basin sediments deposited during the late Pre-Cambrian to Permian. Major regional thrust faults include Robert Service thrust, Dawson Thrust and Tombstone Thrust. The Selwyn Basin is spatially bounded by Dawson Fault to the north and maybe bound by a Mesozoic thrust fault which separates the Yukon-Tanana Terrane from the Selwyn Basin in the Anvil district and it is being offset by the Tintina Fault to the southwest (Figure 4).

4.2 Property Geology and Mineralization

Limited prospecting and geological mapping was conducted at the PDM claim with the primary focus on the main ridge trending NE-SW and then to the East to follow up the Au in soil anomalies identified near the valley bottom on the western flank of the ridge in 2006 and additional Au in soil anomalies delineated in the southern central part of the claim in 2008.

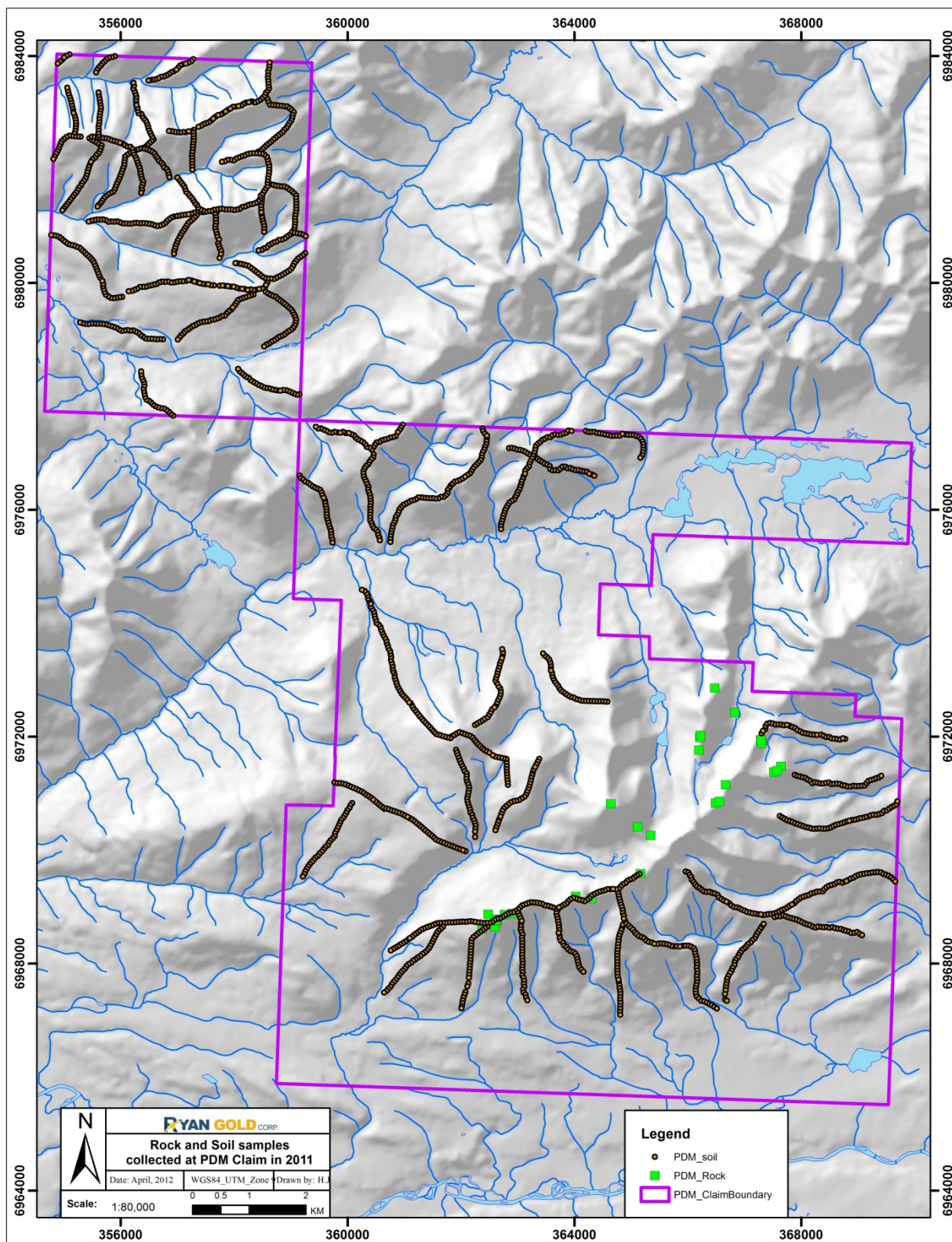


Figure 3. Location of rock and soil samples collected at PDM Claim in 2011

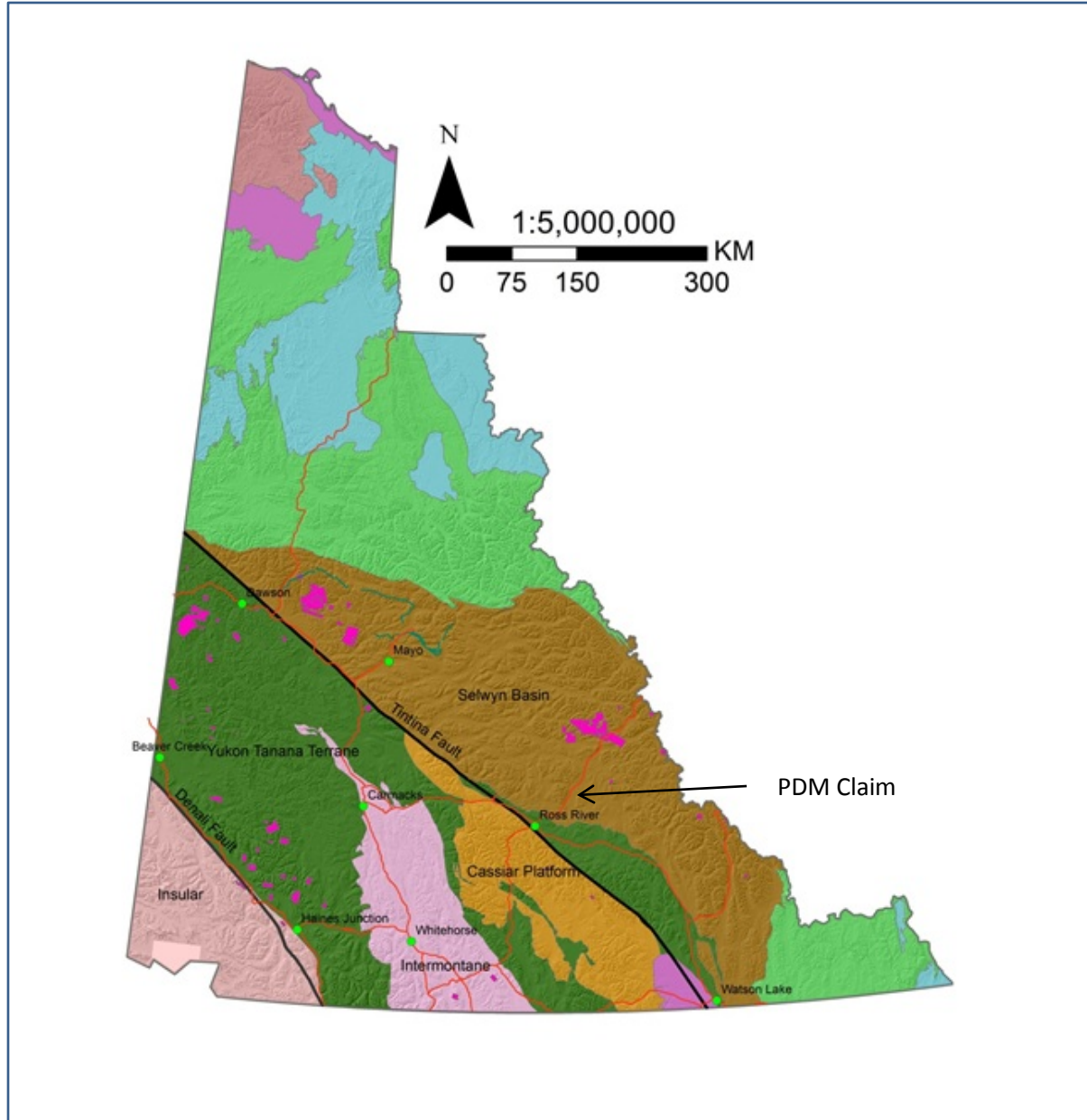


Figure 4. Yukon Terrane Map

Based on the bedrock geology compiled by Yukon Geological Survey (Figure 5), the northern part of the PDM claim is underlain by Ordovician – Silurian age Road River Group which is composed of Duo Lake Formation and overlying Steel Formation. The Duo Lake Formation comprises dark grey to black argillite, minor siltstone, fine sandstone and limestone. The Steel Formation consists of tan to orange weathering bioturbated silty mudstone.

Devonian to Mississippian aged Earn Group outcrops in the central area of the PDM claim overlying the road river group. The Earn Group deposited from turbidite basin and locally uplift and subsidence environment, consists of shale, chert, siltstone, chert conglomerate and minor limestone. Those sediments were intruded by the Macmillian intrusive stock of quartz monzonite, granodiorite, quartz diorite, part of the mid-Cretaceous Tombstone plutonic suite.

In the south, the Sheldon thrust fault juxtaposes late Pre-Cambrian Hyland Group with the Earn Group sediments. The Hyland Group sediments in the area are characterized by medium-coarse grained sandstone, chert pebble conglomerate with shale and sandstone.

Limited prospecting, geological mapping as well as rock sampling was carried out at the PDM claim area in 2011. Main intrusive stock with varying composition of biotite rich monzonite, quartz monzonite, granodiorite was observed in the central part of the claim. To the north of the intrusion, the area is predominated by chert and shale with local hornfels in the proximity to the intrusive body. A sedimentary package of shale, conglomerate, chert and siltstone was identified to the south of the intrusion. Increased amount of chert and conglomerate was observed in the sediments in the south compared to the north of the intrusion. The sedimentary rocks are considered to be part of the Devonian – Mississippian Earn Group which is intruded by the biotite rich quartz monzonite intrusive stock. Quartz monzonite dikes occurs to the southwest of the main intrusive body and consequently narrow zones of dark brown, iron rich skarn zones have been developed in the limestone layers within the Earn Group sediments. The skarn zone is predominantly composed of magnetite, epidote and chlorite with pyrite percentage ranging from 5% to 10% and minor chalcopyrite locally up to 2%. Mineralization in the hornfelsed aureoles is mostly pyrite locally up to 5% with subordinate pyrrhotite and chalcopyrite. Extensive areas of gossans are observed in the sediments adjacent to the intrusion, however, alteration is not pronounced besides weathering and oxidation in the sediments (Figure 6).

Bedding present in the sediments are steeply dipping and generally trending ESE, subparallel to the overall trend of the stratigraphy of the Selwyn Basin (Figure 6).

A total of 29 rock samples were collected in the area during the course of prospecting and geological mapping. The rock samples were sent to ACME Analytical Lab Ltd., Vancouver for analysis. Samples were crushed and pulverized to 200 mesh followed by Aqua Regia digestion ICP-MS analysis for 36 geochem elements with additional 50g fire assay fusion gold by ICP-ES. The rock sample assay certificates are listed in Appendix V. Best copper and gold assay results were returned from the skarn zone in the southwestern part of the claim with highest gold values of 2.3 g/t and 728 ppm copper (Table 2).

SampleNo	Au_ppb	Cu_ppm	Pb_ppm	Zn_ppm	Easting	Northing	EastNorthDatum
50006	2359	73.6	4.1	42	362637	6968765	UTMZ9N_WGS84
50007	695	191.3	5.7	54	362478.3	6968869	UTMZ9N_WGS84
50005	31	1251	17	27	362601.3	6968785	UTMZ9N_WGS84
50055	77	728.6	17	34	362629.9	6968761	UTMZ9N_WGS84
50057	10	442.4	60.2	82	362603.7	6968771	UTMZ9N_WGS84
50601	15	255.8	5.8	20	367574.9	6971401	UTMZ9N_WGS84
50701	31	982.5	29.2	51	365345.2	6970260	UTMZ9N_WGS84

Table 2. Best gold and copper assay results from rock samples

5. Soil geochemistry

The soil sampling at PDM claim was carried out during the month of July by GroundTruth Exploration Inc. based out of Dawson City, Yukon Territory. A total of 2008 soil samples were collected from the ridge and spur traverse lines at the claim (Figure 3). The detailed soil sample description is listed in Appendix III.

5.1 Soil sampling method and analysis

The following section is directly taken from the Chant 2010 soil geochemistry assessment report (Jin, 2010) as the method of collecting soil samples was standardized and remained the same throughout the Ryan Gold properties in Yukon in 2011.

“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

The Au values of soil samples collected in 2011 at PDM claim area is shown in figure 7. Majority of soil samples returned below 50 ppb Au with the best gold in soil values of 171 ppb and 109 ppb delineated in the eastern central part of the claim and western central area on the

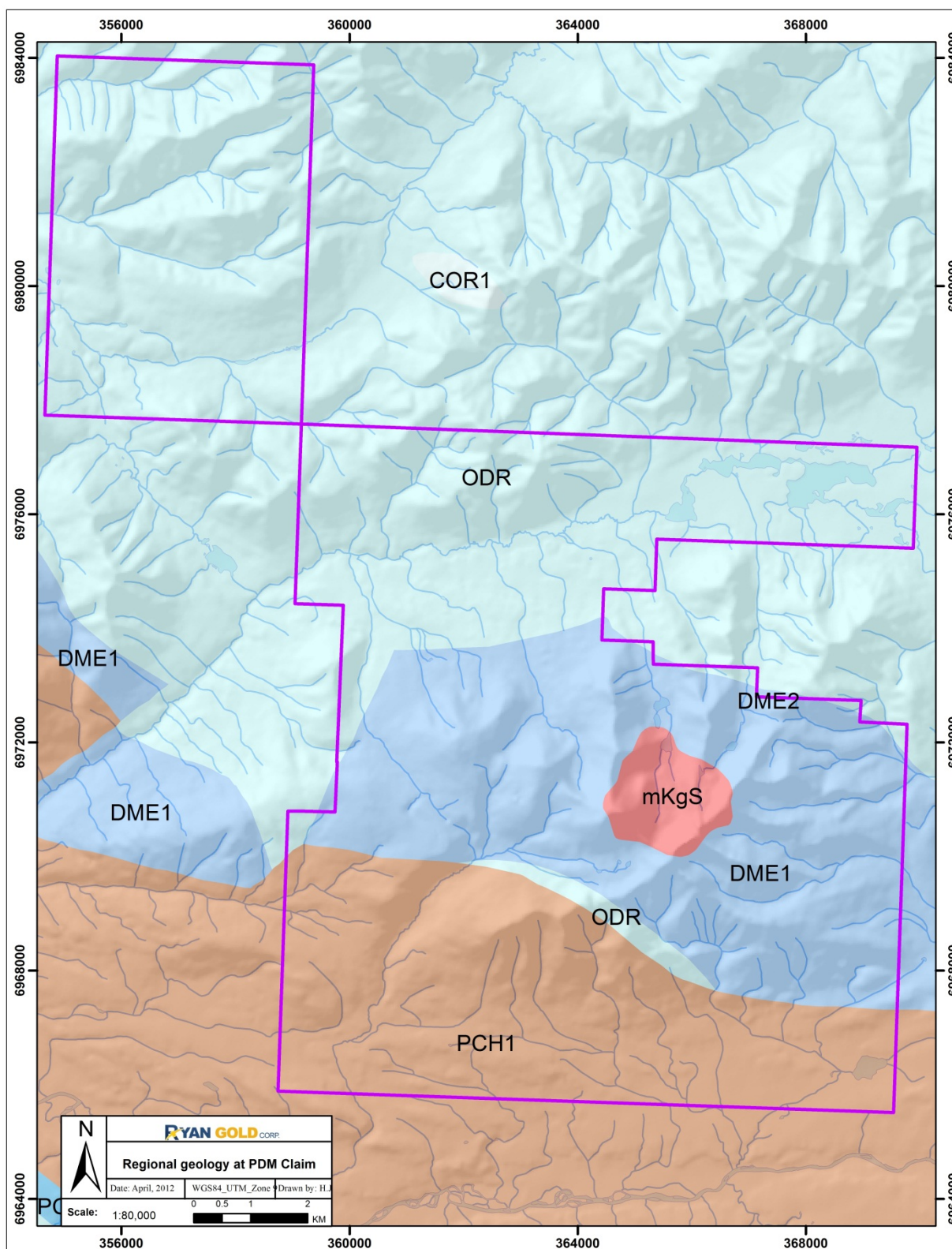


Figure 5. Regional Geology

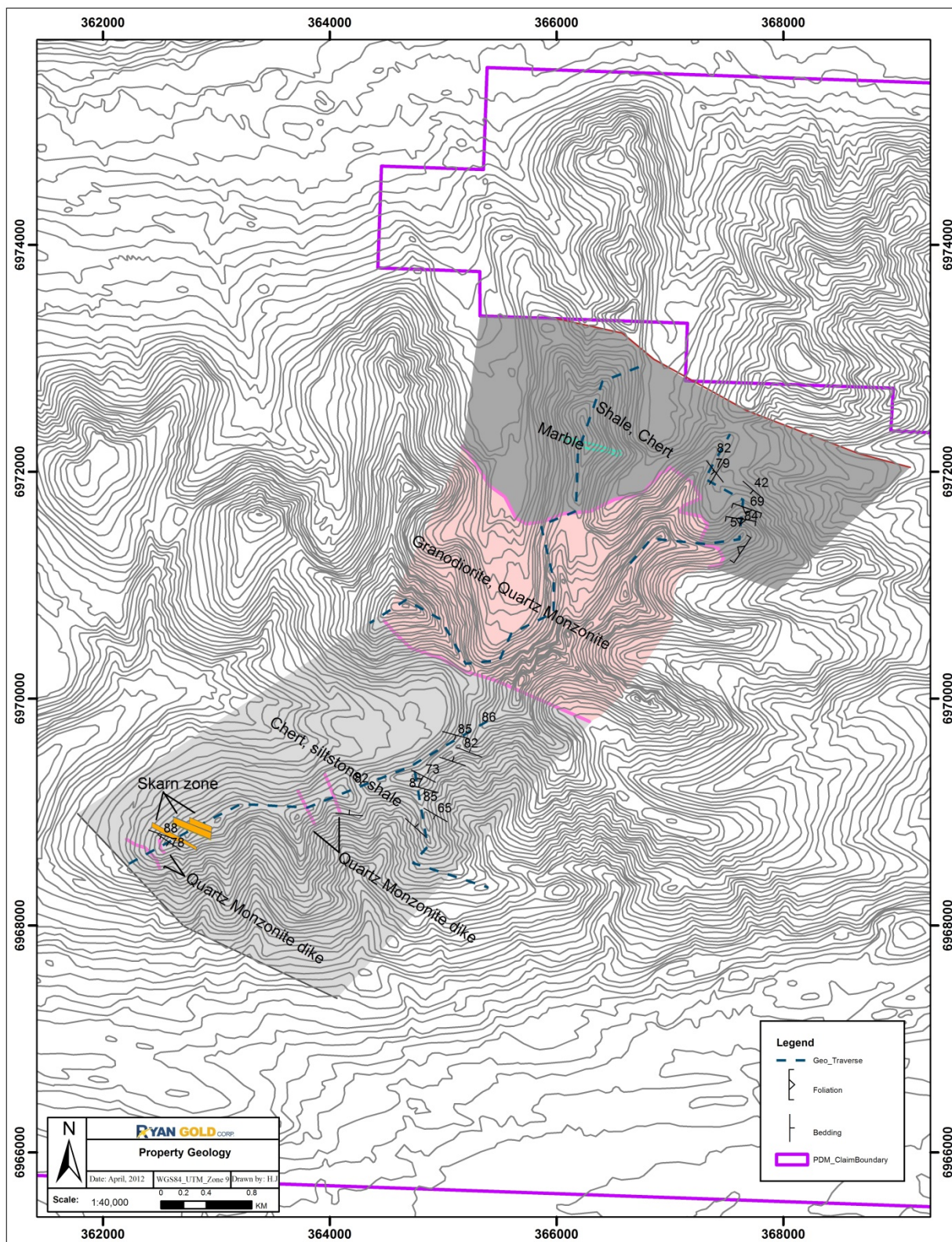


Figure 6. Property Geology

main NE-SW trending ridge. In addition, the copper value in soil is shown on Figure 8. A cluster of elevated copper values in soil generally above 100 ppm was outlined on the ESE trending ridge in the southern part of claim extending over 2 kilometres.

Multi geochem analysis of other elements in the soil at the PDM claim indicated that lead, and iron contents are also noticeably elevated in the area of copper in soil anomaly (Figure 9 & Figure 10). The elevated copper, lead and iron contents in the soil occurring in the southern central area along the ridge can be adequately explained by the skarn zone consisting of iron rich minerals including magnetite, epidote and chlorite adjacent to the quartz monzonite dikes to the southwest of the main intrusion in the central.

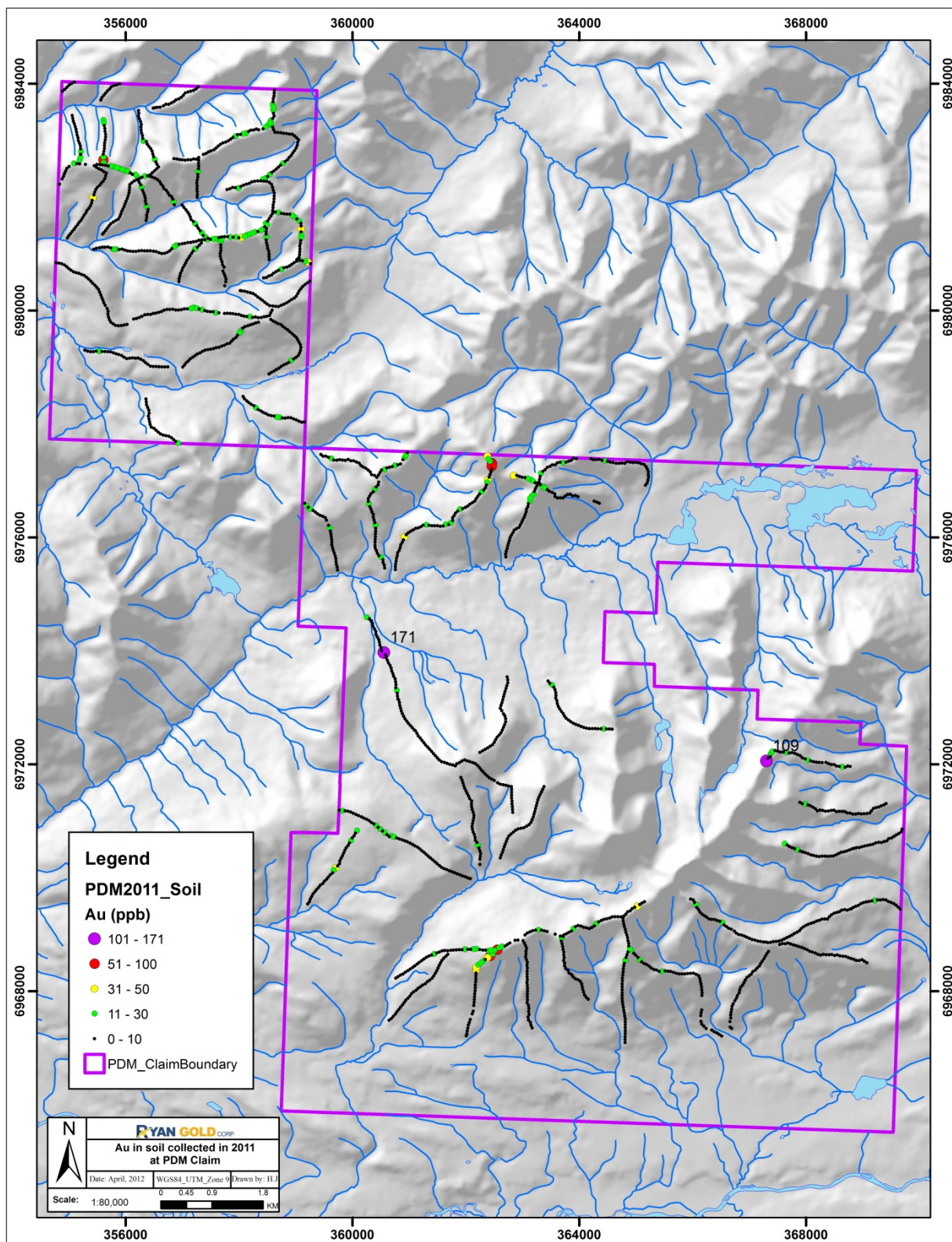


Figure 7. Au in soil at PDM claim

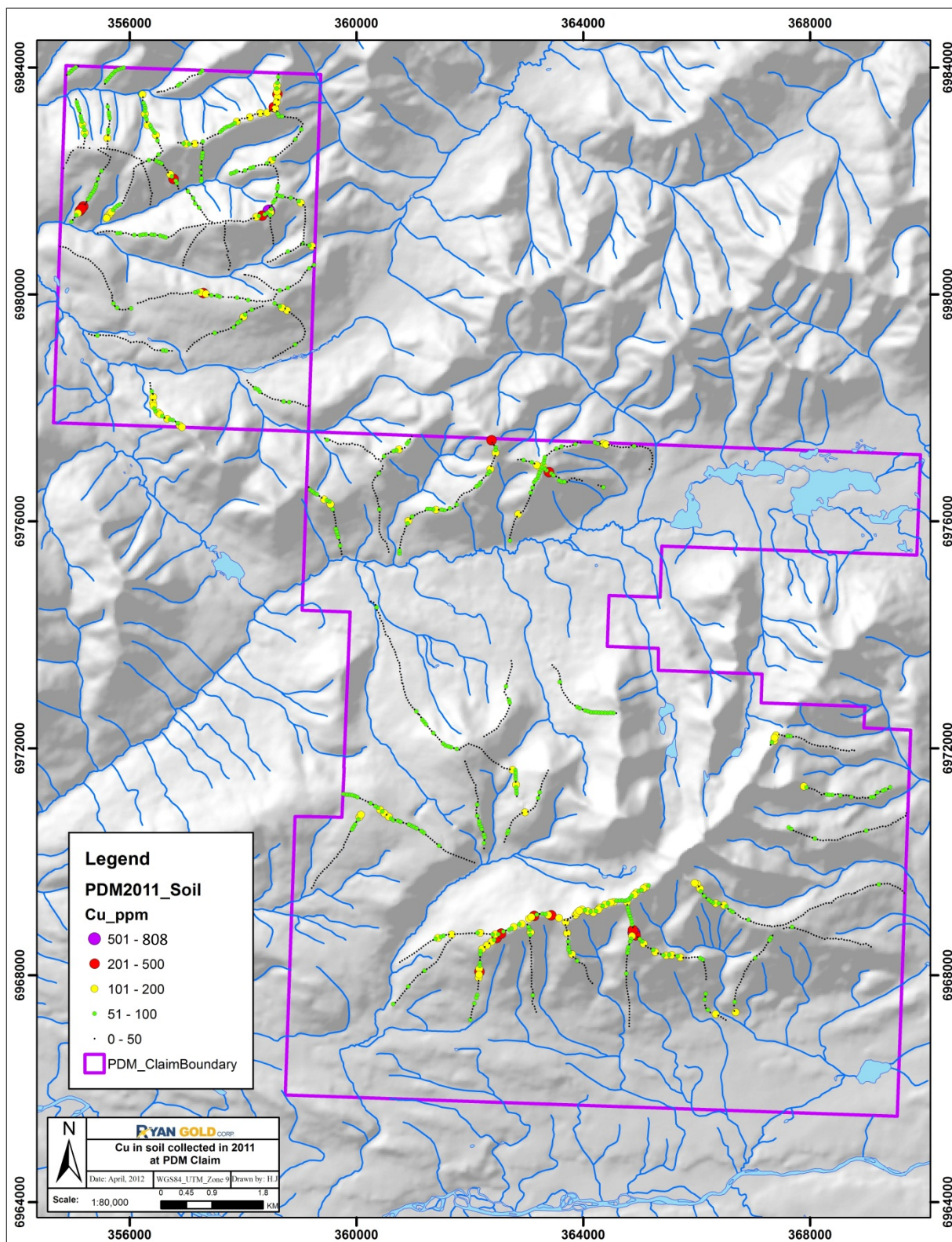


Figure 8. Cu in soil at PDM claim

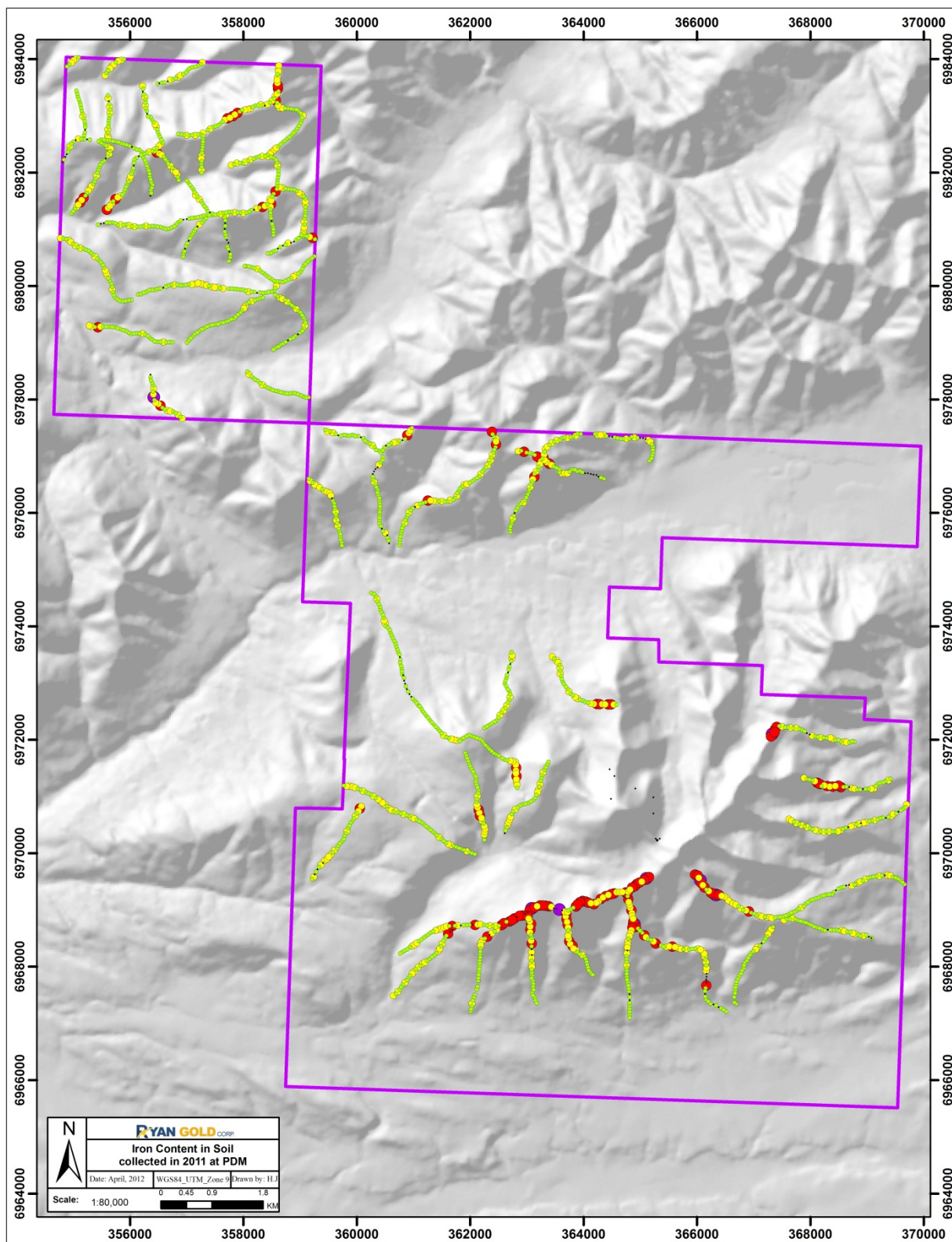


Figure 9. Fe in soil at PDM claim

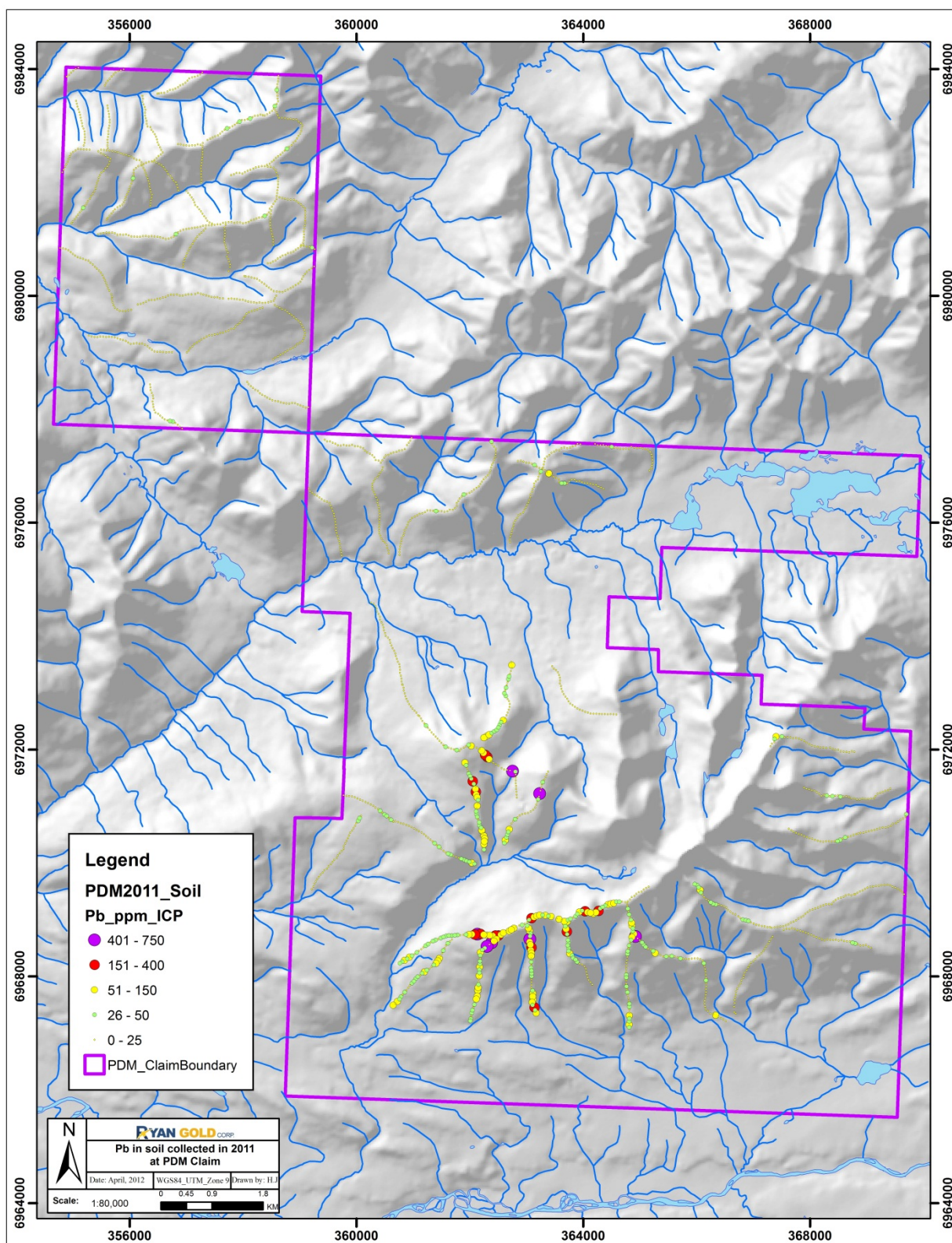


Figure 10. Pb in soil at PDM claim

6. CONCLUSIONS and RECOMMENDATIONS

Two anomalous gold values of 109 ppb and 171 ppb in soil were identified from the 2011 soil geochem survey while majority of the soils returned with less than 30 ppb gold. A number of discrete copper in soil anomalies ranging between 200-500 ppm and up to 808 ppm was also delineated from the survey. The best gold and copper result in the rock samples is 2.3 g/t and 0.12%, respectively, both of which were taken from the Skarn zone south of the intrusion.

Two days of prospecting and geological mapping in the area indicated the lithology and the contact between different lithology of the property is generally coincide with the geological mapping conducted in 1998 by Viceroy Exploration. Weak mineralization dominated by pyrite (with best mineralized section of 10% pyrite) and lesser pyrrhotite and trace chalcopyrite was observed throughout the property.

Next phase of work including detailed geological mapping and rock sampling is recommended in order to better understand the structural control of the mineralization in the area.

7. REFERENCES

Brock, J., 1967. A summary of exploration Sheldon Area Fyre Lake, Yukon Territory, Atlas Exploration Ltd., Assessment Report # 091972

Coates, M.E., 1968. Summary report of geological and geochemical work, Atlas Exploration Ltd., Assessment Report #018941

Diment, R., 1999. 1998 Geological and Geochemical assessment report on the Mozart Property, Viceroy Exploration (Canada) Inc., Assessment Report # 094043

Gregory, D., 2009. Assessment report describing geochemical sampling, geophysical surveys, hand trenching and diamond drilling at the Fairweather property, Strategic Metals Ltd.

Hilker, R.G., 1972. Geological, Geochemical & Geophysical report on the PDM 1-144 Claim group, Phelps Dedge Corporation of Canada Ltd., Assessment Report # 060122

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

Ryan, S., 2006. Geochemical report: PDM 1 – 20 claims, Assessment Report #094961

APPENDIX I

Statement of expenditure

I, Robin Sudo
Land Manager/Ryan Gold Corp.
of #600 - 666 Burrard St., Vancouver, B.C.
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

PDM Group 1

situated at north of South MacMillan River Claim sheet No. 105J13

in the Mayo Mining District, to the value of at least \$97,000 dollars,

since the 20th day of July to the 25th day of August 20 11,

to represent the following mineral claims under the authority of Grouping Certificate No. PDM Group #1.
(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 - Soil Sampling & Schedule C - Mapping & Rock Sampling

TOTAL EXPENDITURES = 99,330.73

*** Report to Follow ***

Sworn before me at Cranbrook BC this 9 day of December 20 11.

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

SCHEDULE A

Mapsheet 105J13

PDM Group #1

CLAIMS WORK WAS PERFORMED ON:

GRANT #	CLAIM NAME	CLAIM#	DISTRICT	GRANT #	CLAIM NAME	CLAIM#	DISTRICT	GRANT #	CLAIM NAME	CLAIM#	DISTRICT
YC57606	PDM	41	Mayo	YE17668	PDM	262	Mayo	YE17606	PDM	200	Mayo
YC57608	PDM	43	Mayo	YE17680	PDM	274	Mayo	YE17894	PDM	488	Mayo
YC57609	PDM	44	Mayo	YE17605	PDM	199	Mayo	YE18000	PDM	594	Mayo
YC57610	PDM	45	Mayo	YE17611	PDM	205	Mayo	YE17679	PDM	273	Mayo
YC57613	PDM	48	Mayo	YE17686	PDM	280	Mayo	YD129532	PDM	110	Mayo
YC54970	PDM	33	Mayo	YE17689	PDM	283	Mayo	YC57628	PDM	63	Mayo
YC54977	PDM	40	Mayo	YE17690	PDM	284	Mayo	YD129533	PDM	111	Mayo
YC47999	PDM	13	Mayo	YE17718	PDM	312	Mayo	YC57615	PDM	50	Mayo
YC48002	PDM	16	Mayo	YE17613	PDM	207	Mayo	YD129529	PDM	107	Mayo
YC48003	PDM	17	Mayo	YE17641	PDM	235	Mayo	YD129539	PDM	117	Mayo
YC57616	PDM	51	Mayo	YE17644	PDM	238	Mayo	YD129601	PDM	179	Mayo
YC57618	PDM	53	Mayo	YE17647	PDM	241	Mayo	YC54969	PDM	32	Mayo
YC57621	PDM	56	Mayo	YC57630	PDM	65	Mayo	YD129517	PDM	95	Mayo
YC57629	PDM	64	Mayo	YD129585	PDM	163	Mayo	YD129534	PDM	112	Mayo
YC57631	PDM	66	Mayo	YE17678	PDM	272	Mayo	YD129560	PDM	138	Mayo
YC54963	PDM	26	Mayo	YE17692	PDM	286	Mayo	YD129531	PDM	109	Mayo
YE17862	PDM	456	Mayo	YE17998	PDM	592	Mayo	YC57607	PDM	42	Mayo
YE17863	PDM	457	Mayo	YE17642	PDM	236	Mayo	YE17717	PDM	311	Mayo
YE17864	PDM	458	Mayo	YE17961	PDM	555	Mayo	YE17650	PDM	244	Mayo
YE17878	PDM	472	Mayo	YE17684	PDM	278	Mayo	YE17830	PDM	424	Mayo
YE17879	PDM	473	Mayo	YD129586	PDM	164	Mayo	YE17868	PDM	462	Mayo
YD129616	PDM	194	Mayo	YD129515	PDM	93	Mayo	YE17892	PDM	486	Mayo
YD129535	PDM	113	Mayo	YC57632	PDM	67	Mayo	YD129552	PDM	130	Mayo
YD129541	PDM	119	Mayo	YC57640	PDM	75	Mayo	YE17861	PDM	455	Mayo
YD129542	PDM	120	Mayo	YD129620	PDM	198	Mayo	YE17665	PDM	259	Mayo
YD129556	PDM	134	Mayo	YE17640	PDM	234	Mayo	YE17842	PDM	436	Mayo
YD129558	PDM	136	Mayo	YE17677	PDM	271	Mayo	YE17858	PDM	452	Mayo
YD129562	PDM	140	Mayo	YE17610	PDM	204	Mayo	YE17671	PDM	265	Mayo
YE17913	PDM	507	Mayo	YE17820	PDM	414	Mayo	YE17890	PDM	484	Mayo
YE17918	PDM	512	Mayo	YE17889	PDM	483	Mayo	YE17818	PDM	412	Mayo
YE17921	PDM	515	Mayo	YE17919	PDM	513	Mayo	YE17934	PDM	528	Mayo
YE17922	PDM	516	Mayo	YD129551	PDM	129	Mayo	YC57619	PDM	54	Mayo
YE17832	PDM	426	Mayo	YC48005	PDM	19	Mayo	YD129559	PDM	137	Mayo
YE17834	PDM	428	Mayo	YC54974	PDM	37	Mayo	YC57620	PDM	55	Mayo
YE17836	PDM	430	Mayo	YD129603	PDM	181	Mayo	YC57624	PDM	59	Mayo
YE17841	PDM	435	Mayo	YD129584	PDM	162	Mayo	YD129577	PDM	155	Mayo
YE17844	PDM	438	Mayo	YC47987	PDM	1	Mayo	YC57611	PDM	46	Mayo
YE17846	PDM	440	Mayo	YE17995	PDM	589	Mayo	YD129604	PDM	182	Mayo
YE17847	PDM	441	Mayo	YE17646	PDM	240	Mayo	YD129554	PDM	132	Mayo
YE17849	PDM	443	Mayo	YE17829	PDM	423	Mayo	YD129543	PDM	121	Mayo
YE17931	PDM	525	Mayo	YE17816	PDM	410	Mayo	YE17860	PDM	454	Mayo
YE17945	PDM	539	Mayo	YD129557	PDM	135	Mayo	YE17920	PDM	514	Mayo
YE17947	PDM	541	Mayo	YC57614	PDM	49	Mayo	YE17682	PDM	276	Mayo
YE17949	PDM	543	Mayo	YD129618	PDM	196	Mayo	YE17649	PDM	243	Mayo
YE17951	PDM	545	Mayo	YD129619	PDM	197	Mayo	YE17822	PDM	416	Mayo
YE17965	PDM	559	Mayo	YD129516	PDM	94	Mayo	YD129614	PDM	192	Mayo
YD129599	PDM	177	Mayo	YE17658	PDM	252	Mayo	YC54965	PDM	28	Mayo
YD129576	PDM	154	Mayo	YE17691	PDM	285	Mayo	YD129602	PDM	180	Mayo
YD129578	PDM	156	Mayo	YE17648	PDM	242	Mayo	YE17838	PDM	432	Mayo
YD129587	PDM	165	Mayo	YE17932	PDM	526	Mayo	YE17845	PDM	439	Mayo
YD129589	PDM	167	Mayo	YE17917	PDM	511	Mayo	YE17639	PDM	233	Mayo
YE17993	PDM	587	Mayo	YE17997	PDM	591	Mayo	YE17880	PDM	474	Mayo
YE17654	PDM	248	Mayo	YD129544	PDM	122	Mayo	YE17996	PDM	590	Mayo
YE17657	PDM	251	Mayo	YC57622	PDM	57	Mayo	YE17670	PDM	264	Mayo
YE17660	PDM	254	Mayo	YD129537	PDM	115	Mayo	YE17933	PDM	527	Mayo
YE17667	PDM	261	Mayo	YE17637	PDM	231	Mayo				

Ryan Gold Corp.

Schedule B

PDM Group #1

PDM Property

Claims to be renewed:

GRANT #	CLAIM NAME & #	EXPIRY DATE	# Of Claims	# Of Years	\$100/yr	\$5/Yr Fee	NEW EXPIRY DATE
YC47987 - YC48006	PDM 1 - 20	May 19, 2021	20	0	\$ -	\$ -	N/A
YC54958 - YC54977	PDM 21 - 40	May 19, 2020	20	0	\$ -	\$ -	N/A
YC57606 - YC57643	PDM 41 - 78	May 19, 2017	38	0	\$ -	\$ -	N/A
YD129501 - YD129620	PDM 79 - 198	December 9, 2011	120	2.25	\$ 27,000.00	\$ 1,350.00	March 5, 2014
YE17605 - YE17618	PDM 199 - 212	March 11, 2012	14	2	\$ 2,800.00	\$ 140.00	March 5, 2014
YE17635 - YE17702	PDM 229 - 296	March 11, 2012	68	2	\$ 13,600.00	\$ 680.00	March 5, 2014
YE17707 - YE17718	PDM 301 - 312	March 11, 2012	12	2	\$ 2,400.00	\$ 120.00	March 5, 2014
YE17729 - YE17736	PDM 323 - 330	March 11, 2012	8	2	\$ 1,600.00	\$ 80.00	March 5, 2014
YD17747 - YD17754	PDM 341 - 348	March 11, 2012	8	2	\$ 1,600.00	\$ 80.00	March 5, 2014
YE17759 - YE17766	PDM 353 - 360	March 11, 2012	8	2	\$ 1,600.00	\$ 80.00	March 5, 2014
YE17771 - YE17778	PDM 365 - 372	March 11, 2012	8	2	\$ 1,600.00	\$ 80.00	March 5, 2014
YE17783 - YE17790	PDM 377 - 384	March 11, 2012	8	2	\$ 1,600.00	\$ 80.00	March 5, 2014
YE17815 - YE18030	PDM 409 - 624	March 11, 2012	216	2	\$ 43,200.00	\$ 2,160.00	March 5, 2014
548					\$ 97,000.00	\$ 4,850.00	
					Work Needed	Fees	

CERTIFICATE OF WORK

Schedule C - SOIL SAMPLING

PDM Claims

SOIL SAMPLING PROGRAM:

A total of 75 man days were required to collect a total of 2,440 soil samples from July 20 to 27, 2011

Description		Rate	Unit	Total
WAGES:				
Soil Samplers	per day	\$ 350.00	60	\$ 21,000.00
Project Forman	per day	\$ 400.00	15	\$ 6,000.00
Travel Rate: Soil Sampler	per day	\$ 250.00	0	\$ -
Stat Holiday			0	\$ -
DATA MANAGEMENT & PROCESSING SERVICES:				
GIS/Job Layout/Mapping/Results Plotting	per hour	\$ 75.00	5	\$ 375.00
Data Processing: In the field	per hour	\$ 60.00	15	\$ 900.00
Database Management/Chain of Custody, Barcoded Samples	\$0.50/sample	\$ 0.50	2440	\$ 1,220.00
Georeferenced In situ Sample & Sample Site Photos	per sample	\$ 1.00	2440	\$ 2,440.00
CONSUMABLE SAMPLING SUPPLIES:				
Flagging, Metal ID Tags, Sample Bags, Ore Bags, Rice Bags, etc.	per sample	\$ 1.00	2440	\$ 2,440.00
EQUIPMENT RENTAL (per unit, per day):				
Chainsaw drop kit: 1 per helicopter load, or as required	per day	\$ 35.00	15	\$ 525.00
Iridium Satellite Phone: 1 per crew, charge 10 min/day	per day&min	\$ 35.00	15	\$ 525.00
Radio: ICOM Handheld: 1 per person	per day	\$ 5.00	75	\$ 375.00
Computer/Software: 1 per camp nightly data download	per day	\$ 50.00	8	\$ 400.00
Handheld GPS/Barcode Scanner/Camera/Data Recorder	per day	\$ 15.00	75	\$ 1,125.00
Camp Satellite Internet	per day	\$ 20.00	0	\$ -
ACCOMODATION and FOOD:				
Remote Camp Fee: full fly camp/kitchen/generator	per man day	\$ 35.00	75	\$ 2,625.00
Dawson Accomodation Fee: Samplers based in Dawson	per man day	\$ 35.00	0	\$ -
Food	per man day	\$ 50.00	75	\$ 3,750.00
MOBILIZATION/OPERATIONAL CHARGES				\$ 9,036.22
HELICOPTER SUPPORT:				
Trans North \17.6 hours + FUEL	per hour	\$ 1,575.00		\$33,122.20
ANALYTICAL ANALYSIS COSTS:				
Acme Laboratories, Vancouver, B.C./SOILS	per sample	\$ 22.00	2440	\$ 53,680.00
REPORT WRITING:				\$ 1,000.00
SOIL SAMPLING PROGRAM =				\$ 140,538.42

divided by 2440 =

\$ 57.60

PER SAMPLE

1200 soils samples were taken within the claim boundaries of the PDM Group 1

1200 soil samples X \$57.6/sample =

\$ 69,120.00

PROGRAM TOTAL

CERTIFICATE OF WORK

Schedule C - MAPPING & ROCK SAMPLING

PDM Claims

GEOLOGICAL MAPPING & ROCK SAMPLING PROGRAM:

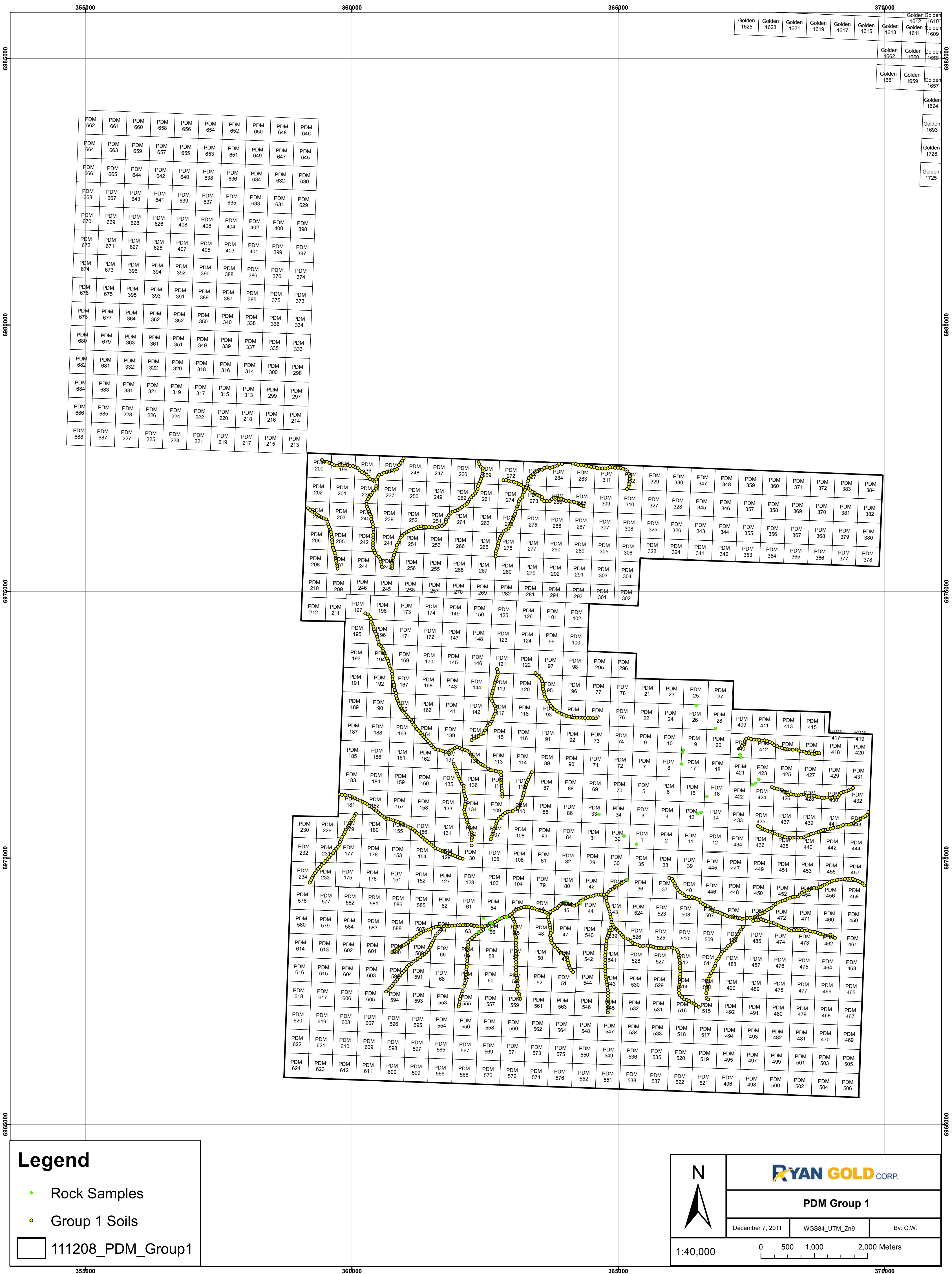
A total of 36 man days were required to do geological mapping & collect a total of 33 rock samples from July 21 to 29 & Aug.25, 2011

Description		Rate	Unit	Total
WAGES:				
Senior Geologist	per day	\$ 550.00	5	\$ 2,750.00
Geologist	per day	\$ 425.00	3	\$ 1,275.00
Geologist	per day	\$ 300.00	4	\$ 1,200.00
Geo Tech	per day	\$ 220.00	10	\$ 2,200.00
Geo Tech	per day	\$ 210.00	5	\$ 1,050.00
Geo Tech	per day	\$ 190.00	5	\$ 950.00
Geo Tech	per day	\$ 250.00	4	\$ 1,000.00
CONSUMABLE SAMPLING SUPPLIES:				
Flagging, Metal ID Tags, Sample Bags, Ore Bags, Rice Bags, etc.	per sample	\$ 1.00	33	\$ 33.00
EQUIPMENT RENTAL (per unit, per day):				
Iridium Satellite Phone: 1 per crew, charge 10 min/day	per day&min	\$ 35.00	10	\$ 350.00
Radio: ICOM Handheld: 1 per person	per day	\$ 5.00	36	\$ 180.00
Computer/Software: 1 per camp nightly data download	per day	\$ 50.00	10	\$ 500.00
Handheld GPS/Camera/Data Recorder	per day	\$ 15.00	36	\$ 540.00
ACCOMODATION and FOOD:				
Camp Fee: Faro	per man day	\$ 35.00	36	\$ 1,260.00
Dawson Accomodation Fee: Samplers based in Dawson	per man day	\$ 35.00	0	\$ -
Food	per man day	\$ 50.00	36	\$ 1,800.00
HELICOPTER SUPPORT:				
Trans North - 8.7 hours @ \$1575/hour + FUEL				\$ 16,225.48
ANALYTICAL ANALYSIS COSTS:				
Acme Laboratories, Vancouver, B.C./ROCK	per sample	\$ 38.00	33	\$ 1,254.00
REPORT WRITING:				\$ 1,000.00
				\$ 33,567.48

90% OF MAPPING PROGRAM WAS WITHIN BOUNDARIES OF PDM GROUP 1 = **\$ 30,210.73**

29 ROCK SAMPLES TAKEN WITHIN PDM GROUP 1

**MAPPING &
ROCK SAMPLING**



I, Robin Sudo
Land Manager/Ryan Gold Corp.
#600 - 666 Burrard St., Vancouver, B.C.
of 250-421-0939
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

PDM Group 2

situated at north of South MacMillan River Claim sheet No. 105J13

in the Mayo Mining District, to the value of at least \$45,800 dollars,

since the 20th day of July to 27th day of July 2011,

to represent the following mineral claims under the authority of Grouping Certificate No. PDM Group #2.
(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 - Soil Sampling attached

TOTAL EXPENDITURES = \$46,540.80

*** Report to Follow ***

Sworn before me at Cranbrook this 9 day of December 2011

Donald Paolini
Notary Public

[Signature]
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

SCHEDULE A **PDM Group #2**
 Mapsheet 105J13

CLAIMS WORK WAS PERFORMED ON:

GRANT#	CLAIM NAME	CLAIM#	DISTRICT	GRANT#	CLAIM NAME	CLAIM#	DISTRICT
YE17620	PDM	214	Mayo	YE19333	PDM	403	Mayo
YE17622	PDM	216	Mayo	YE19335	PDM	405	Mayo
YE17624	PDM	218	Mayo	YE19336	PDM	406	Mayo
YE17627	PDM	221	Mayo	YE19338	PDM	408	Mayo
YE17629	PDM	223	Mayo	YE19339	PDM	625	Mayo
YE17631	PDM	225	Mayo	YE19340	PDM	626	Mayo
YE17632	PDM	226	Mayo	YE19341	PDM	627	Mayo
YE17704	PDM	298	Mayo	YE19342	PDM	628	Mayo
YE17705	PDM	299	Mayo	YE19344	PDM	630	Mayo
YE17706	PDM	300	Mayo	YE19345	PDM	631	Mayo
YE17722	PDM	316	Mayo	YE19346	PDM	632	Mayo
YE17723	PDM	317	Mayo	YE19347	PDM	633	Mayo
YE17724	PDM	318	Mayo	YE19349	PDM	635	Mayo
YE17725	PDM	319	Mayo	YE19350	PDM	636	Mayo
YE17727	PDM	321	Mayo	YE19351	PDM	637	Mayo
YE17728	PDM	322	Mayo	YE19352	PDM	638	Mayo
YE17738	PDM	332	Mayo	YE19353	PDM	639	Mayo
YE17739	PDM	333	Mayo	YE19354	PDM	640	Mayo
YE17740	PDM	334	Mayo	YE19355	PDM	641	Mayo
YE17741	PDM	335	Mayo	YE19356	PDM	642	Mayo
YE17742	PDM	336	Mayo	YE19357	PDM	643	Mayo
YE17743	PDM	337	Mayo	YE19359	PDM	645	Mayo
YE17744	PDM	338	Mayo	YE19361	PDM	647	Mayo
YE19302	PDM	340	Mayo	YE19362	PDM	648	Mayo
YE19304	PDM	350	Mayo	YE19363	PDM	649	Mayo
YE19306	PDM	352	Mayo	YE19365	PDM	651	Mayo
YE19307	PDM	361	Mayo	YE19368	PDM	654	Mayo
YE19308	PDM	362	Mayo	YE19370	PDM	656	Mayo
YE19309	PDM	363	Mayo	YE19371	PDM	657	Mayo
YE19310	PDM	364	Mayo	YE19372	PDM	658	Mayo
YE19311	PDM	373	Mayo	YE19374	PDM	660	Mayo
YE19312	PDM	374	Mayo	YE19375	PDM	661	Mayo
YE19313	PDM	375	Mayo	YE19376	PDM	662	Mayo
YE19314	PDM	376	Mayo	YE19377	PDM	663	Mayo
YE19315	PDM	385	Mayo	YE19378	PDM	664	Mayo
YE19317	PDM	387	Mayo	YE19379	PDM	665	Mayo
YE19318	PDM	388	Mayo	YE19380	PDM	666	Mayo
YE19319	PDM	389	Mayo	YE19381	PDM	667	Mayo
YE19320	PDM	390	Mayo	YE19382	PDM	668	Mayo
YE19321	PDM	391	Mayo	YE19383	PDM	669	Mayo
YE19322	PDM	392	Mayo	YE19385	PDM	671	Mayo
YE19324	PDM	394	Mayo	YE19386	PDM	672	Mayo
YE19326	PDM	396	Mayo	YE19387	PDM	673	Mayo
YE19327	PDM	397	Mayo	YE19388	PDM	674	Mayo
YE19328	PDM	398	Mayo	YE19389	PDM	675	Mayo
YE19329	PDM	399	Mayo	YE19390	PDM	676	Mayo
YE19330	PDM	400	Mayo	YE19391	PDM	677	Mayo
YE19331	PDM	401	Mayo	YE19395	PDM	681	Mayo

Ryan Gold Corp.

Schedule B

PDM Group #2

PDM Property

Claims to be renewed:

GRANT_NUMB	CLAIM NAME & #	EXPIRY DATE	# Of Claims	# Of Years	\$100/yr	\$5/Yr Fee	NEW EXPIRY DATE
YE17619 - YE17634	PDM 213 - 228	April 19, 2012	16	4	\$ 6,400.00	\$ 320.00	March 5, 2016
YE17703 - YE17706	PDM 297 - 300	April 19, 2012	4	4	\$ 1,600.00	\$ 80.00	March 5, 2016
YE17719 - YE17728	PDM 313 - 322	April 19, 2012	10	4	\$ 4,000.00	\$ 200.00	March 5, 2016
YE17737 - YE17744	PDM 331 - 338	April 19, 2012	8	4	\$ 3,200.00	\$ 160.00	March 5, 2016
YE19301	PDM 339	April 19, 2012	1	3	\$ 300.00	\$ 15.00	March 5, 2015
YE19302	PDM 340	April 19, 2012	1	3	\$ 300.00	\$ 15.00	March 5, 2015
YE19303 - YE19306	PDM 349 - 352	April 19, 2012	4	3	\$ 1,200.00	\$ 60.00	March 5, 2015
YE19307 - YE19310	PDM 361 - 364	April 19, 2012	4	3	\$ 1,200.00	\$ 60.00	March 5, 2015
YE19311 - YE19314	PDM 373 - 376	April 19, 2012	4	3	\$ 1,200.00	\$ 60.00	March 5, 2015
YE19315 - YE19338	PDM 385 - 408	April 19, 2012	24	3	\$ 7,200.00	\$ 360.00	March 5, 2015
YE19339 - YE19402	PDM 625 - 688	April 19, 2012	64	3	\$ 19,200.00	\$ 960.00	March 5, 2015
140					\$ 45,800.00	\$ 2,290.00	
					Work Needed	Fees	

CERTIFICATE OF WORK

Schedule C - SOIL SAMPLING

PDM Claims

SOIL SAMPLING PROGRAM:

A total of 75 man days were required to collect a total of 2,440 soil samples from July 20 to 27, 2011

Description		Rate	Unit	Total
WAGES:				
Soil Samplers	per day	\$ 350.00	60	\$ 21,000.00
Project Forman	per day	\$ 400.00	15	\$ 6,000.00
Travel Rate: Soil Sampler	per day	\$ 250.00	0	\$ -
Stat Holiday			0	\$ -
DATA MANAGEMENT & PROCESSING SERVICES:				
GIS/Job Layout/Mapping/Results Plotting	per hour	\$ 75.00	5	\$ 375.00
Data Processing: In the field	per hour	\$ 60.00	15	\$ 900.00
Database Management/Chain of Custody, Barcoded Samples	\$0.50/sample	\$ 0.50	2440	\$ 1,220.00
Georeferenced In situ Sample & Sample Site Photos	per sample	\$ 1.00	2440	\$ 2,440.00
CONSUMABLE SAMPLING SUPPLIES:				
Flagging, Metal ID Tags, Sample Bags, Ore Bags, Rice Bags, etc.	per sample	\$ 1.00	2440	\$ 2,440.00
EQUIPMENT RENTAL (per unit, per day):				
Chainsaw drop kit: 1 per helicopter load, or as required	per day	\$ 35.00	15	\$ 525.00
Iridium Satellite Phone: 1 per crew, charge 10 min/day	per day&min	\$ 35.00	15	\$ 525.00
Radio: ICOM Handheld: 1 per person	per day	\$ 5.00	75	\$ 375.00
Computer/Software: 1 per camp nightly data download	per day	\$ 50.00	8	\$ 400.00
Handheld GPS/Barcode Scanner/Camera/Data Recorder	per day	\$ 15.00	75	\$ 1,125.00
Camp Satellite Internet	per day	\$ 20.00	0	\$ -
ACCOMODATION and FOOD:				
Remote Camp Fee: full fly camp/kitchen/generator	per man day	\$ 35.00	75	\$ 2,625.00
Dawson Accomodation Fee: Samplers based in Dawson	per man day	\$ 35.00	0	\$ -
Food	per man day	\$ 50.00	75	\$ 3,750.00
MOBILIZATION/OPERATIONAL CHARGES				\$ 9,036.22
HELICOPTER SUPPORT:				
Trans North \17.6 hours + FUEL	per hour	\$ 1,575.00		\$33,122.20
ANALYTICAL ANALYSIS COSTS:				
Acme Laboratories, Vancouver, B.C./SOILS	per sample	\$ 22.00	2440	\$ 53,680.00
REPORT WRITING:				\$ 1,000.00
SOIL SAMPLING PROGRAM =				\$ 140,538.42

divided by 2440 =

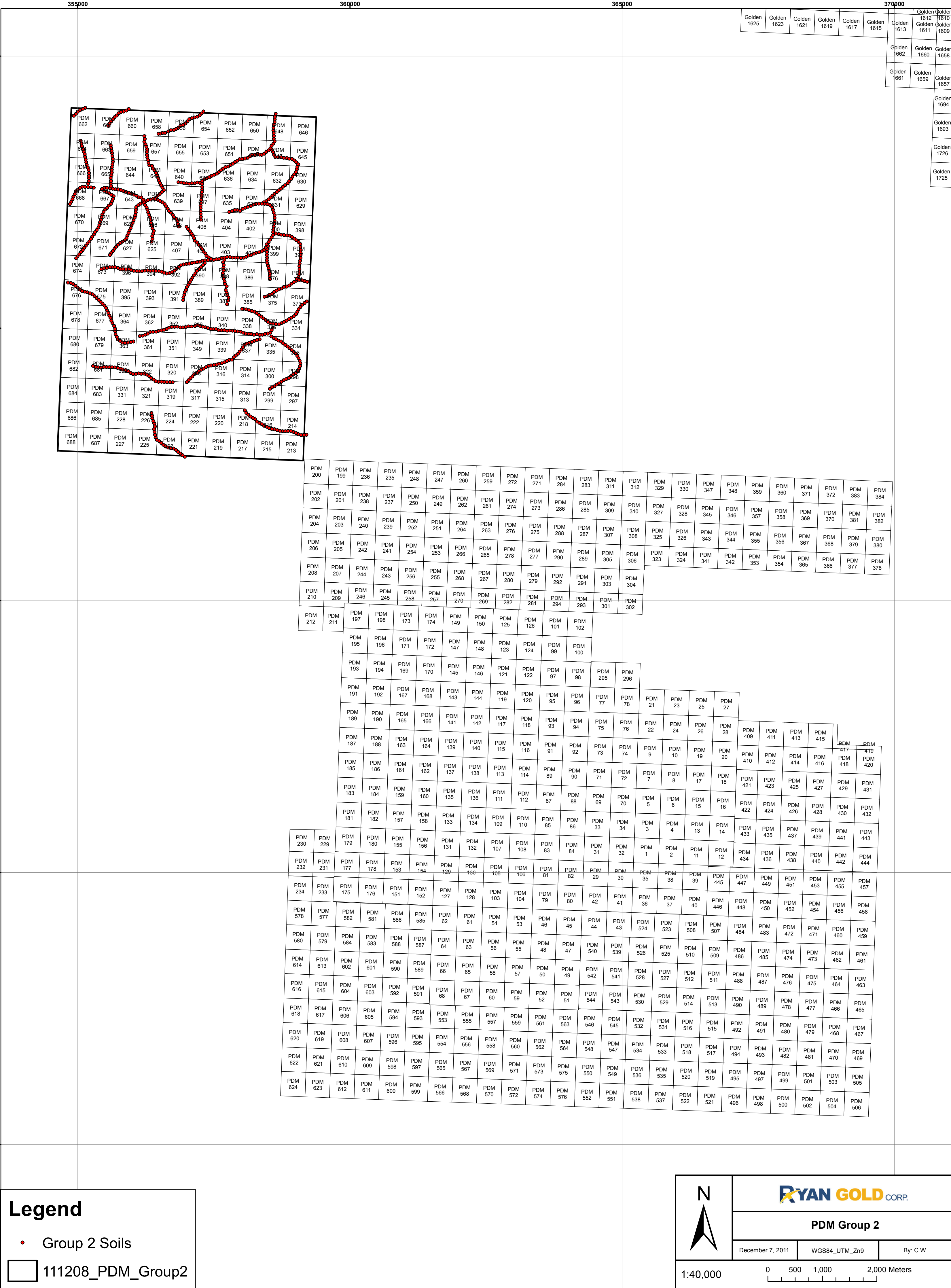
\$ 57.60

PER SAMPLE

808 soils samples were taken within the claim boundaries of the PDM Group 2

808 soil samples X \$57.60/sample =

\$ 46,540.80**PROGRAM TOTAL**



Golden 1625	Golden 1623	Golden 1621	Golden 1619	Golden 1617	Golden 1615	Golden 1613	Golden 1612	Golden 1610
							Golden 1609	Golden 1608
							Golden 1607	Golden 1606
							Golden 1605	Golden 1604
							Golden 1603	Golden 1602
							Golden 1601	Golden 1600
							Golden 1599	Golden 1598
							Golden 1597	Golden 1596
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							Golden 1381	Golden 1380
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							Golden 1369	Golden 1368
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							Golden 1365	Golden 1364
							Golden 1363	Golden 1362
							Golden 1361	Golden 1360
							Golden 1359	Golden 1358
							Golden 1357	Golden 1356
							Golden 1355	Golden 1354
							Golden 1353	Golden 1352
							Golden 1351	Golden 1350
							Golden 1349	Golden 1348
							Golden 1347	Golden 1346
							Golden 1345	Golden 1344
							Golden 1343	Golden 1342
							Golden 1341	Golden 1340
							Golden 1339	Golden 1338
							Golden 1337	Golden 1336
							Golden 1335	Golden 1334
							Golden 1333	Golden 1332
							Golden 1331	Golden 1330
							Golden 1329	Golden 1328
							Golden 1327	Golden 1326
							Golden 1325	Golden 1324
							Golden 1323	Golden 1322
							Golden 1321	Golden 1320
							Golden 1319	Golden 1318
							Golden 1317	Golden 1316
							Golden 1315	Golden 1314
							Golden 1313	Golden 1312
							Golden 1311	Golden 1310
							Golden 1309	Golden 1308
							Golden 1307	Golden 1306
							Golden 1305	Golden 1304
							Golden 1303	Golden 1302
							Golden 1301	Golden 1300
							Golden 1299	Golden 1298
							Golden 1297	Golden 1296
							Golden 1295	Golden 1294
							Golden 1293	Golden 1292
							Golden 1291	Golden 1290
							Golden 1289	Golden 1288
							Golden 1287	Golden 1286
							Golden 1285	Golden 1284
							Golden 1283	Golden 1282
							Golden 1281	Golden 1280
							Golden 1279	Golden 1278
							Golden 1277	Golden 1276
							Golden 1275	Golden 1274
							Golden 1273	Golden 1272
							Golden 1271	Golden 1270
							Golden 1269	Golden 1268
							Golden 1267	Golden 1266
							Golden 1265	Golden 1264
							Golden 1263	Golden 1262
							Golden 1261	Golden 1260
							Golden 1259	Golden 1258
							Golden 1257	Golden 1256
							Golden 1255	Golden 1254
							Golden 1253	Golden 1252
							Golden 1251	Golden 1250
							Golden 1249	Golden 1248
							Golden 1247	Golden 1246
							Golden 1245	Golden 1244
							Golden 1243	Golden 1242
							Golden 1241	Golden 1240
							Golden 1239	Golden 1238
							Golden 1237	Golden 1236
							Golden 1235	Golden 1234
							Golden 1233	Golden 1232
							Golden 1231	Golden 1230
							Golden 1229	Golden 1228
							Golden 1227	Golden 1226
							Golden 1225	Golden 1224
							Golden 1223	Golden 1222
							Golden 1221	Golden 1220
							Golden 1219	Golden 1218
							Golden 1217	Golden 1216
							Golden 1215	Golden 1214
							Golden 1213	Golden 1212
							Golden 1211	Golden 1210
							Golden 1209	Golden 1208
							Golden 1207	Golden 1206
							Golden 1205	Golden 1204
							Golden 1203	Golden 1202
							Golden 1201	Golden 1200
							Golden 1199	Golden 1198
							Golden 1197	Golden 1196
							Golden 1195	Golden 1194
							Golden 1193	Golden 1192
							Golden 1191	Golden 1190
							Golden 1189	Golden 1188
							Golden 1187	Golden 1186
							Golden 1185	Golden 1184
							Golden 1183	Golden 1182
							Golden 1181	Golden 1180
							Golden 1179	Golden 1178
							Golden 1177	Golden 1176
							Golden 1175	Golden 1174
							Golden 1173	Golden 1172
							Golden 1171	Golden 1

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

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Texture	S_Terrain	S_Horizon	S_Depth	S_Moisture	S_Quality	S_Vegetation	Ground_Cover
1053274	20/07/2011	362173	6968164	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	30	Damp	Poor	Old Burn	Thin Moss Cover
1053279	20/07/2011	362153	6967905	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	B	40	Damp	Excellent	Old Burn	Thin Moss Cover
1053280	20/07/2011	362149	6967854	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	40	Damp	Poor	Old Burn	Bare Soil
1053290	20/07/2011	362026	6967300	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Old Burn	Burnt Moss
1056007	20/07/2011	363229	6969078	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	20	Damp	Good	No Tree Cover	Rock Cover
1056015	20/07/2011	362867	6968896	UTMZ9N_NAD83	Reddish Yellow	Sand	Flat	C	40	Damp	Excellent	No Tree Cover	Rock Cover
1058766	25/07/2011	361819	6976429	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1057982	25/07/2011	364947	6977320	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1057983	25/07/2011	364997	6977322	UTMZ9N_NAD83	Light Brown	Silt	Subtle Slope	B	40	Dry	Poor	Subalpine Fir	Sphagnum Moss > 30cm
1057984	25/07/2011	365047	6977317	UTMZ9N_NAD83	Chocolate Brown	Silt	Subtle Slope	B	40	Dry	Poor	Subalpine Fir	Reindeer Lichen
1057985	25/07/2011	365094	6977300	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	B	30	Damp	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1057987	25/07/2011	365177	6977249	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1057997	26/07/2011	369227	6970614	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1058000	26/07/2011	369377	6970637	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1058754	21/07/2011	357943	6979934	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1058755	21/07/2011	357844	6979948	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	B	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1060638	20/07/2011	363060	6968705	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Wet	Good	White Spruce	Thin Moss Cover
1060639	20/07/2011	363059	6968655	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	60	Damp	Good	White Spruce	Thin Moss Cover
1060640	20/07/2011	363054	6968605	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	White Spruce	Thin Moss Cover
1060641	20/07/2011	363069	6968557	UTMZ9N_NAD83	Reddish Yellow	Sand	Steep	C	50	Damp	Good	White Spruce	Thin Moss Cover
1059542	20/07/2011	361831	6968727	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1060646	20/07/2011	363081	6968356	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	White Spruce	Rock Cover
1060647	20/07/2011	363081	6968305	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Good	Willows	Sphagnum Moss < 30cm
1060648	20/07/2011	363081	6968254	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Willows	Rock Cover
1060649	20/07/2011	363084	6968203	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Excellent	Willows	Grass Cover
1060835	20/07/2011	363089	6967998	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	50	Damp	Good	Willows	Burnt Moss
1060836	20/07/2011	363083	6967948	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Good	Willows	Sphagnum Moss < 30cm
1060837	20/07/2011	363084	6967897	UTMZ9N_NAD83	Reddish Orange	Sand	Pronounced Slope	C	50	Damp	Good	Willows	Burnt Moss
1060838	20/07/2011	363088	6967846	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Willows	Burnt Moss
1060839	20/07/2011	363082	6967795	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Willows	Sphagnum Moss < 30cm
1060847	20/07/2011	363149	6967401	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	60	Damp	Good	Willows	Burnt Moss
1061610	20/07/2011	361463	6968316	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1061613	20/07/2011	361364	6968197	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Old Burn	Thin Moss Cover
1061633	20/07/2011	360688	6967519	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	40	Damp	Poor	Old Burn	Thin Moss Cover
1061881	20/07/2011	363011	6968891	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1061924	23/07/2011	356555	6982576	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1061935	23/07/2011	356302	6983035	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Damp	Poor	Subalpine Fir	Thin Moss Cover
1062172	21/07/2011	353494	6979584	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	60	Damp	Poor	Subalpine Fir	Sphagnum Moss > 30cm
1144001	22/07/2011	357099	6983854	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1144008	22/07/2011	356807	6983659	UTMZ9N_NAD83	Reddish Orange	Sand	Subtle Slope	C	30	Damp	Good	Willows	Sphagnum Moss < 30cm
1144011	22/07/2011	356665	6983609	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1144014	22/07/2011	356516	6983574	UTMZ9N_NAD83	Light Brown	Clay	Pronounced Slope	B	30	Damp	Poor	White Spruce	Sphagnum Moss < 30cm
1144015	22/07/2011	356487	6983568	UTMZ9N_NAD83	Reddish Orange	Sand	Steep	C	30	Damp	Poor	White Spruce	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1144032	23/07/2011	357678	6981107	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	40	Dry	Poor	No Tree Cover	Grass Cover
1144039	23/07/2011	357709	6980809	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	30	Damp	Good	Willows	Thin Moss Cover
1144043	23/07/2011	357753	6980604	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	B	30	Damp	Good	Willows	Sphagnum Moss < 30cm
1144098	25/07/2011	361842	6972008	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Grass Cover
1144100	25/07/2011	361930	6972057	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	20	Damp	Excellent	No Tree Cover	Thin Moss Cover
1144114	22/07/2011	355151	6981513	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Poor	Dwarf Birch	Reindeer Lichen
1144194	22/07/2011	355641	6984473	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	30	Dry	Poor	Dwarf Birch	Thin Moss Cover
1144249	22/07/2011	354691	6981414	UTMZ9N_NAD83	Reddish Yellow	Sand	Steep	B	40	Wet	Good	Willows	Thin Moss Cover
1144261	23/07/2011	358938	6983109	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Poor	Old Burn	Thin Moss Cover
1144264	23/07/2011	359051	6983009	UTMZ9N_NAD83	Reddish Yellow	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1144310	21/07/2011	352792	6978647	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Poor	Dwarf Birch	Sphagnum Moss < 30cm
1144321	21/07/2011	352888	6979106	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	70	Damp	Excellent	Willows	Leaf Cover
1144324	21/07/2011	353021	6979173	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1145069	27/07/2011	364786	6967666	UTMZ9N_NAD83	Light Brown	Silt	Subtle Slope	C	40	Dry	Poor	Willows	Thin Moss Cover
1145490	25/07/2011	362738	6973436	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	50	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1145003	24/07/2011	355601	6980185	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Dry	Excellent	Dwarf Birch	Thin Moss Cover
1145005	24/07/2011	355563	6980278	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Dry	Excellent	Dwarf Birch	Thin Moss Cover
1145006	24/07/2011	355542	6980323	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Dry	Good	Dwarf Birch	Thin Moss Cover
1145007	24/07/2011	355522	6980370	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Dry	Good	Dwarf Birch	Grass Cover
1145008	24/07/2011	355492	6980410	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	50	Dry	Good	Dwarf Birch	Sphagnum Moss < 30cm
1145009	24/07/2011	355457	6980447	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Dry	Excellent	Dwarf Birch	Sphagnum Moss < 30cm
1145012	24/07/2011	355348	6980553	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	20	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1145016	24/07/2011	355176	6980656	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	70	Dry	Excellent	Dwarf Birch	Thin Moss Cover
1145025	24/07/2011	354824	6980837	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1145026	24/07/2011	354774	6980843	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Sphagnum Moss < 30cm
1145027	24/07/2011	354724	6980843	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Dry	Good	Dwarf Birch	Sphagnum Moss < 30cm
1145028	24/07/2011	354674	6980839	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1145029	24/07/2011	354623	6980834	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	60	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1145031	24/07/2011	354527	6980807	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	80	Damp	Good	Dwarf Birch	Leaf Cover
1145036	25/07/2011	361976	6972078	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1145040	25/07/2011	362168	6972012	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Thin Moss Cover
1145471	25/07/2011	362621	6972558	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Bare Soil
1152116	27/07/2011	363863	6968293	UTMZ9N_NAD83	Chocolate Brown	Silt	Pronounced Slope	B	80	Dry	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152120	27/07/2011	364018	6968173	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Dry	Good	Subalpine Fir	Bare Soil
1152121	27/07/2011	364042	6968129	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1152023	26/07/2011	367709	6970550	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	20	Damp	Good	No Tree Cover	Thin Moss Cover
1152050	26/07/2011	369035	6970561	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152061	27/07/2011	368924	6969514	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152103	27/07/2011	363684	6968884	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	C	20	Damp	Good	No Tree Cover	Rock Cover
1152104	27/07/2011	363696	6968836	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	B	5	Dry	Good	No Tree Cover	Rock Cover
1152108	27/07/2011	363728	6968640	UTMZ9N_NAD83	Dark Brown	Sand	Steep	B	20	Damp	Good	No Tree Cover	Rock Cover
1152109	27/07/2011	363735	6968591	UTMZ9N_NAD83	Dark Brown	Sand	Steep	B	20	Damp	Poor	No Tree Cover	Grass Cover
1152122	27/07/2011	364053	6968079	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	B	50	Damp	Good	Dwarf Birch	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1152210	27/07/2011	365233	6968444	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	White Spruce	Thin Moss Cover
1152212	27/07/2011	365315	6968383	UTMZ9N_NAD83	Reddish Orange	Clay	Subtle Slope	B	40	Wet	Good	White Spruce	Sphagnum Moss < 30cm
1152314	27/07/2011	368448	6969347	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	20	Damp	Good	Subalpine Fir	Reindeer Lichen
1152394	26/07/2011	368850	6970519	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152408	27/07/2011	367137	6968410	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	B	30	Damp	Good	Willows	Thin Moss Cover
1152409	27/07/2011	367105	6968371	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	40	Damp	Good	Willows	Grass Cover
1152412	27/07/2011	366995	6968270	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Willows	Bare Soil
1152415	27/07/2011	366904	6968153	UTMZ9N_NAD83	Greyish Green	Clay	Steep	C	30	Damp	Good	Poplar	Leaf Cover
1152420	27/07/2011	366821	6967973	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	B	40	Dry	Poor	Poplar	Leaf Cover
1152421	27/07/2011	366790	6967926	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Poplar	Sphagnum Moss < 30cm
1152426	27/07/2011	366689	6967680	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	B	40	Damp	Good	Poplar	Leaf Cover
1152428	27/07/2011	366672	6967582	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	50	Damp	Good	Poplar	Leaf Cover
1152430	27/07/2011	366656	6967463	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Poplar	Leaf Cover
1152458	25/07/2011	362986	6976269	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	30	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1152462	25/07/2011	362854	6976127	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152464	25/07/2011	362803	6976041	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1152465	25/07/2011	362780	6975997	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Bare Soil
1156145	24/07/2011	359151	6978036	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1156354	24/07/2011	359824	6977364	UTMZ9N_NAD83	Light Brown	Clay	Flat	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1156356	24/07/2011	359723	6977360	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	B	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1156359	24/07/2011	359580	6977412	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	B	30	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1156360	24/07/2011	359533	6977433	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	B	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1156362	24/07/2011	359442	6977463	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1156365	25/07/2011	364056	6977425	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156009	24/07/2011	359021	6980899	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	20	Damp	Poor	Subalpine Fir	Reindeer Lichen
1156042	25/07/2011	360829	6973090	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	40	Damp	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1156049	25/07/2011	360957	6972761	UTMZ9N_NAD83	Grey	Sand	Flat	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss > 30cm
1156095	25/07/2011	363436	6976844	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1156099	25/07/2011	363573	6976720	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Good	Dwarf Birch	Grass Cover
1156197	27/07/2011	366157	6968078	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	B	60	Damp	Good	Poplar	Leaf Cover
1156198	27/07/2011	366160	6968026	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156215	27/07/2011	366380	6967286	UTMZ9N_NAD83	Grey	Clay	Flat	B	50	Damp	Poor	Birch Forest	Sphagnum Moss < 30cm
1156278	26/07/2011	370483	6970921	UTMZ9N_NAD83	Light Grey	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156349	27/07/2011	364873	6968844	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	60	Damp	Good	No Tree Cover	Thin Moss Cover
1156367	25/07/2011	364153	6977398	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1156371	25/07/2011	364352	6977373	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1156382	25/07/2011	364846	6977338	UTMZ9N_NAD83	Reddish Yellow	Sand	Steep	C	70	Damp	Good	Subalpine Fir	Reindeer Lichen
1156401	25/07/2011	364309	6976622	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157105	21/07/2011	358239	6979877	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	20	Damp	Good	Subalpine Fir	Reindeer Lichen
1157004	21/07/2011	354223	6978562	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157058	21/07/2011	356678	6980007	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	C	30	Dry	Poor	Willows	Sphagnum Moss < 30cm
1157059	21/07/2011	356634	6979982	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	C	50	Damp	Good	Willows	Sphagnum Moss < 30cm
1157099	22/07/2011	357197	6983882	UTMZ9N_NAD83	Reddish Orange	Sand	Subtle Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1157100	22/07/2011	357148	6983866	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157138	25/07/2011	363753	6976727	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1157139	25/07/2011	363794	6976758	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1157140	25/07/2011	363843	6976760	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Poor	Subalpine Fir	Thin Moss Cover
1157143	25/07/2011	363977	6976716	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1157150	25/07/2011	364262	6976639	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157151	21/07/2011	353539	6979605	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Damp	Poor	Subalpine Fir	Sphagnum Moss > 30cm
1157168	21/07/2011	354236	6979965	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Dry	Excellent	Subalpine Fir	Reindeer Lichen
1157169	21/07/2011	354283	6979987	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Dry	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1157173	21/07/2011	354358	6980112	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	50	Dry	Good	Subalpine Fir	Thin Moss Cover
1157205	21/07/2011	358738	6979752	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	30	Damp	Poor	Dwarf Birch	Thin Moss Cover
1157211	21/07/2011	358972	6979560	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	50	Damp	Good	White Spruce	Thin Moss Cover
1157307	22/07/2011	356361	6981588	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	B	90	Damp	Excellent	Old Burn	Burnt Moss
1157321	23/07/2011	356336	6981051	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	50	Damp	Excellent	Old Burn	Burnt Moss
1157331	23/07/2011	355885	6981077	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	70	Dry	Good	White Spruce	Sphagnum Moss < 30cm
1157433	25/07/2011	363301	6977027	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	60	Damp	Good	No Tree Cover	Grass Cover
1157437	25/07/2011	363401	6977195	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1157438	25/07/2011	363437	6977234	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Reindeer Lichen
1157466	22/07/2011	357271	6982349	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	B	60	Damp	Good	Dwarf Birch	Thin Moss Cover
1157467	22/07/2011	357264	6982299	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Good	Dwarf Birch	Thin Moss Cover
1157469	22/07/2011	357262	6982198	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	60	Damp	Good	Dwarf Birch	Thin Moss Cover
1157471	22/07/2011	357262	6982098	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1159001	23/07/2011	358840	6980763	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	White Spruce	Thin Moss Cover
1159013	23/07/2011	357266	6981118	UTMZ9N_NAD83	Light Brown	Silt	Subtle Slope	B	50	Dry	Good	Poplar	Thin Moss Cover
1159015	23/07/2011	357190	6981049	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	B	30	Damp	Good	White Spruce	Thin Moss Cover
1159016	23/07/2011	357163	6981007	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	C	40	Damp	Good	White Spruce	Thin Moss Cover
1159025	23/07/2011	356968	6980657	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1159030	24/07/2011	360802	6977280	UTMZ9N_NAD83	Reddish Yellow	Silt	Pronounced Slope	B	40	Dry	Good	No Tree Cover	Thin Moss Cover
1159039	24/07/2011	360458	6977101	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	60	Damp	Good	Dwarf Birch	Reindeer Lichen
1159049	24/07/2011	360070	6977332	UTMZ9N_NAD83	Grey	Silt	Pronounced Slope	B	30	Dry	Good	Dwarf Birch	Thin Moss Cover
1159056	23/07/2011	357096	6981197	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159078	24/07/2011	356417	6978192	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1159101	25/07/2011	364012	6977466	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	30	Damp	Good	White Spruce	Bare Soil
1159109	25/07/2011	364091	6977861	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159162	24/07/2011	361450	6976205	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1159168	24/07/2011	361162	6976169	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1159169	24/07/2011	361114	6976157	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Dry	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1159170	24/07/2011	361070	6976131	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1159173	24/07/2011	360949	6976046	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159176	24/07/2011	360878	6975914	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1159184	24/07/2011	360761	6975533	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Black Spruce	Reindeer Lichen
1159206	24/07/2011	359167	6980459	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1159208	24/07/2011	359093	6980386	UTMZ9N_NAD83	Chocolate Brown	Silt	Subtle Slope	B	20	Dry	Good	Dwarf Birch	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1159209	24/07/2011	359061	6980345	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	30	Dry	Excellent	White Spruce	Thin Moss Cover
1159212	24/07/2011	358972	6980218	UTMZ9N_NAD83	Grey	Clay	Flat	C	40	Dry	Good	White Spruce	Reindeer Lichen
1159241	25/07/2011	362249	6972209	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Reindeer Lichen
1159242	25/07/2011	362294	6972236	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	C	30	Damp	Poor	No Tree Cover	Thin Moss Cover
1159243	25/07/2011	362339	6972263	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Reindeer Lichen
1159244	25/07/2011	362383	6972289	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	30	Damp	Excellent	No Tree Cover	Reindeer Lichen
1159321	25/07/2011	359632	6975968	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Black Spruce	Reindeer Lichen
1159485	27/07/2011	369072	6968501	UTMZ9N_NAD83	Grey		Flat	C	40		Good	Subalpine Fir	Rock Cover
1053291	20/07/2011	362016	6967249	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	40	Damp	Good	Old Burn	Thin Moss Cover
1057992	25/07/2011	365221	6977058	UTMZ9N_NAD83	Yellow	Clay	Pronounced Slope	C	60	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1060644	20/07/2011	363083	6968408	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	White Spruce	Rock Cover
1144012	22/07/2011	356608	6983586	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1145485	25/07/2011	362664	6973187	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	30	Damp	Poor	White Spruce	Bare Soil
1152106	27/07/2011	363715	6968739	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	C	40	Damp	Good	No Tree Cover	Rock Cover
1152429	27/07/2011	366670	6967529	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	50	Dry	Good	Poplar	Leaf Cover
1152459	25/07/2011	362962	6976224	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	O	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1152461	25/07/2011	362896	6976155	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156078	24/07/2011	360542	6975558	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	20	Damp	Good	Dwarf Birch	Reindeer Lichen
1156079	24/07/2011	360561	6975510	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1156332	26/07/2011	359404	6969829	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	50	Damp	Excellent	Old Burn	Burnt Moss
1156370	25/07/2011	364301	6977371	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1157081	21/07/2011	355674	6980036	UTMZ9N_NAD83	Reddish Orange	Sand	Subtle Slope	C	40	Damp	Good	Willows	Thin Moss Cover
1157114	21/07/2011	357394	6979998	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1157394	23/07/2011	356623	6982234	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1057993	25/07/2011	365210	6977009	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	80	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1058757	21/07/2011	357644	6979958	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	90	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1060848	20/07/2011	363169	6967353	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Burnt Moss
1061942	23/07/2011	356225	6983425	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1062169	20/07/2011	361141	6968477	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	Old Burn	Thin Moss Cover
1144040	23/07/2011	357735	6980764	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	30	Damp	Poor	Willows	Sphagnum Moss < 30cm
1144464	22/07/2011	354889	6983868	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1144471	23/07/2011	358591	6981709	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Dry	Good	No Tree Cover	Thin Moss Cover
1152419	27/07/2011	366829	6968022	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Poplar	Leaf Cover
1152424	27/07/2011	366715	6967781	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	70	Damp	Good	Willows	Sphagnum Moss < 30cm
1152427	27/07/2011	366679	6967631	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Poplar	Leaf Cover
1152432	27/07/2011	366660	6967368	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	40	Damp	Poor	Poplar	Sphagnum Moss < 30cm
1152455	25/07/2011	363046	6976406	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	B	40	Damp	Good	White Spruce	Thin Moss Cover
1152456	25/07/2011	363030	6976359	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	30	Damp	Good	Dwarf Birch	Bare Soil
1152469	25/07/2011	362728	6975803	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	70	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1156156	26/07/2011	361949	6971674	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Poor	No Tree Cover	Reindeer Lichen
1156206	27/07/2011	366150	6967619	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	90	Damp	Good	Willows	Leaf Cover
1156333	26/07/2011	359369	6969792	UTMZ9N_NAD83	Chocolate Brown	Silt	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156339	26/07/2011	359211	6969537	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Reindeer Lichen

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1156378	25/07/2011	364651	6977306	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	40	Damp	Poor	Subalpine Fir	Reindeer Lichen
1157008	21/07/2011	354172	6978755	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157055	21/07/2011	356832	6980024	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	C	40	Damp	Good	Willows	Sphagnum Moss < 30cm
1157137	25/07/2011	363715	6976696	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	B	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1157213	21/07/2011	359034	6979487	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	80	Damp	Good	White Spruce	Needle Cover
1157339	23/07/2011	355486	6981097	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	70	Damp	Good	Dwarf Birch	Sphagnum Moss > 30cm
1159413	27/07/2011	367289	6968868	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	10	Damp	Excellent	No Tree Cover	Thin Moss Cover
1159468	27/07/2011	368303	6968651	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159469	27/07/2011	368354	6968643	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1159472	27/07/2011	368502	6968631	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1159483	27/07/2011	369028	6968527	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1053281	20/07/2011	362145	6967802	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Sphagnum Moss < 30cm
1060834	20/07/2011	363087	6968050	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Good	Old Burn	Burnt Moss
1061607	20/07/2011	361530	6968452	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Poor	Willows	Thin Moss Cover
1061619	20/07/2011	361158	6968052	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Old Burn	Thin Moss Cover
1061625	20/07/2011	360942	6967839	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	40	Damp	Good	Old Burn	Thin Moss Cover
1144004	22/07/2011	356939	6983733	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1144044	23/07/2011	357772	6980558	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Willows	Thin Moss Cover
1144318	21/07/2011	352875	6979004	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Poor	No Tree Cover	Sphagnum Moss < 30cm
1145010	24/07/2011	355420	6980481	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1145013	24/07/2011	355310	6980586	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	30	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1145057	27/07/2011	364768	6968287	UTMZ9N_NAD83	Light Brown	Clay	Pronounced Slope	B	30	Damp	Poor	Subalpine Fir	Grass Cover
1152123	27/07/2011	364064	6968030	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1152418	27/07/2011	366846	6968070	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Poplar	Sphagnum Moss < 30cm
1152425	27/07/2011	366695	6967734	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	30	Damp	Good	Willows	Bare Soil
1156140	24/07/2011	359395	6978078	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1157103	21/07/2011	358443	6979891	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1157174	21/07/2011	354397	6980144	UTMZ9N_NAD83	Reddish Brown	Silt	Subtle Slope	C	50	Dry	Good	Subalpine Fir	Reindeer Lichen
1157204	21/07/2011	358690	6979769	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1157325	23/07/2011	356183	6981043	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	C	60	Damp	Good	Old Burn	Burnt Moss
1159157	24/07/2011	361695	6976227	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	B	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1159172	24/07/2011	360983	6976082	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1053283	20/07/2011	362141	6967750	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	70	Damp	Good	Old Burn	Thin Moss Cover
1056014	20/07/2011	362920	6968902	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	No Tree Cover	Rock Cover
1060642	20/07/2011	363085	6968508	UTMZ9N_NAD83	Dark Brown	Sand	Steep	B	50	Damp	Excellent	White Spruce	Grass Cover
1061606	20/07/2011	361555	6968497	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Old Burn	Thin Moss Cover
1144022	23/07/2011	358498	6981146	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	30	Dry	Good	Willows	Thin Moss Cover
1144042	23/07/2011	357736	6980651	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	30	Damp	Good	Willows	Sphagnum Moss < 30cm
1144227	22/07/2011	354922	6982413	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	B	50	Damp	Good	Old Burn	Thin Moss Cover
1144451	22/07/2011	355349	6984257	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1145492	25/07/2011	362728	6973541	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	C	50	Wet	Poor	White Spruce	Sphagnum Moss < 30cm
1145015	24/07/2011	355224	6980636	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1145017	24/07/2011	355128	6980668	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	70	Dry	Excellent	Dwarf Birch	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1145053	27/07/2011	364794	6968492	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Grass Cover
1152119	27/07/2011	363980	6968204	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152251	27/07/2011	364633	6969313	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	20	Damp	Good	No Tree Cover	Thin Moss Cover
1152316	27/07/2011	368540	6969388	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1152405	27/07/2011	367226	6968529	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	40	Damp	Good	Willows	Thin Moss Cover
1152422	27/07/2011	366773	6967877	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	70	Damp	Poor	White Spruce	Leaf Cover
1152466	25/07/2011	362769	6975948	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	70	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1156011	24/07/2011	359119	6980876	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	20	Damp	Good	Subalpine Fir	Thin Moss Cover
1156077	24/07/2011	360536	6975608	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	Subalpine Fir	Reindeer Lichen
1156130	23/07/2011	355137	6983145	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156195	27/07/2011	366135	6968177	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	60	Damp	Poor	Willows	Sphagnum Moss < 30cm
1156200	27/07/2011	366162	6967926	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Good	Willows	Leaf Cover
1156255	26/07/2011	369595	6970757	UTMZ9N_NAD83	Grey	Sand	Flat	C	60	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1156257	26/07/2011	369681	6970810	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156304	25/07/2011	360335	6974529	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	70	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156343	27/07/2011	364795	6969140	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	60	Damp	Good	No Tree Cover	Rock Cover
1157207	21/07/2011	358816	6979688	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	B	40	Damp	Good	White Spruce	Thin Moss Cover
1157442	25/07/2011	363614	6977314	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	40	Damp	Excellent	White Spruce	Thin Moss Cover
1159149	27/07/2011	367339	6968700	UTMZ9N_NAD83	Greyish Green	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1159082	24/07/2011	356370	6978339	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	40	Damp	Good	Black Spruce	Sphagnum Moss < 30cm
1159249	25/07/2011	362551	6972481	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1159476	27/07/2011	368700	6968612	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1004198	20/07/2011	363432	6969054	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Rock Cover
1057798	21/07/2011	358539	6979916	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	50	Wet	Good	No Tree Cover	Thin Moss Cover
1057800	21/07/2011	358341	6979875	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	20	Damp	Good	Subalpine Fir	Thin Moss Cover
1060849	21/07/2011	353350	6979535	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1061620	20/07/2011	361122	6968015	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Old Burn	Thin Moss Cover
1144025	23/07/2011	358530	6980999	UTMZ9N_NAD83	Light Brown	Sand	Steep	C	50	Damp	Good	Willows	Thin Moss Cover
1144067	23/07/2011	356389	6982377	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1144091	23/07/2011	355740	6981530	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	40	Damp	Good	Old Burn	Thin Moss Cover
1144196	22/07/2011	355555	6984412	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1144328	21/07/2011	353175	6979304	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	70	Damp	Excellent	Willows	Leaf Cover
1145024	24/07/2011	354873	6980826	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Dry	Good	Dwarf Birch	Sphagnum Moss < 30cm
1152117	27/07/2011	363892	6968252	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1152107	27/07/2011	363727	6968690	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	B	30	Damp	Poor	No Tree Cover	Rock Cover
1152124	27/07/2011	364077	6967982	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	A	110	Wet	Poor	Dwarf Birch	Grass Cover
1152303	27/07/2011	367955	6969133	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1152306	27/07/2011	368090	6969198	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1152318	27/07/2011	368630	6969429	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1152468	25/07/2011	362739	6975853	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1156048	25/07/2011	360928	6972802	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157039	22/07/2011	356212	6984476	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1157060	21/07/2011	356585	6979970	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	30	Damp	Good	Willows	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1157062	21/07/2011	356486	6979947	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	C	50	Damp	Good	Willows	Bare Soil
1157091	22/07/2011	357510	6984159	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157101	21/07/2011	358560	6979962	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1157130	22/07/2011	357371	6982751	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1157156	21/07/2011	353788	6979658	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1159052	23/07/2011	357245	6981220	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1159091	27/07/2011	364684	6969315	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	60	Damp	Excellent	No Tree Cover	Rock Cover
1159159	24/07/2011	361601	6976202	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1159216	24/07/2011	358837	6980136	UTMZ9N_NAD83	Chocolate Brown	Silt	Subtle Slope	C	40	Dry	Good	White Spruce	Sphagnum Moss < 30cm
1159224	24/07/2011	358456	6980146	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Damp	Poor	Willows	Thin Moss Cover
1159250	25/07/2011	362590	6972517	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1159296	25/07/2011	360463	6974201	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	50	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1159475	27/07/2011	368650	6968615	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1053287	20/07/2011	362063	6967452	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	B	40	Damp	Poor	Old Burn	Thin Moss Cover
1059547	20/07/2011	361061	6968418	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	60	Damp	Excellent	Old Burn	Thin Moss Cover
1061614	20/07/2011	361323	6968169	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	30	Damp	Good	Willows	Thin Moss Cover
1061616	20/07/2011	361238	6968107	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	50	Damp	Good	Old Burn	Thin Moss Cover
1144090	23/07/2011	355782	6981561	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	B	30	Damp	Good	Old Burn	Thin Moss Cover
1144182	21/07/2011	352650	6978188	UTMZ9N_NAD83	Reddish Brown	Silt	Subtle Slope	B	30	Dry	Good	No Tree Cover	Reindeer Lichen
1144231	22/07/2011	354835	6982227	UTMZ9N_NAD83	Grey	Sand	Flat	B	40	Damp	Good	Old Burn	Reindeer Lichen
1144233	22/07/2011	354790	6982138	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	50	Damp	Good	Willows	Sphagnum Moss > 30cm
1145072	27/07/2011	364811	6967513	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	30	Damp	Poor	Willows	Thin Moss Cover
1145014	24/07/2011	355272	6980620	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	30	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1145020	24/07/2011	355037	6980712	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Dry	Good	Old Burn	Thin Moss Cover
1145039	25/07/2011	362121	6972029	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Grass Cover
1145480	25/07/2011	362635	6972944	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Reindeer Lichen
1152112	27/07/2011	363742	6968447	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Bare Soil
1152322	27/07/2011	368798	6969453	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	Subalpine Fir	Reindeer Lichen
1152423	27/07/2011	366746	6967834	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	C	50	Damp	Good	Willows	Sphagnum Moss < 30cm
1156041	25/07/2011	360815	6973138	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157030	21/07/2011	354447	6979673	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	50	Wet	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1157054	21/07/2011	356884	6980009	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	C	40	Damp	Good	Willows	Sphagnum Moss < 30cm
1157057	21/07/2011	356727	6980020	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	C	40	Damp	Good	Willows	Grass Cover
1157071	21/07/2011	355976	6979746	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Dry	Good	Willows	Bare Soil
1157129	22/07/2011	357418	6982771	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1157161	21/07/2011	354023	6979751	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157170	21/07/2011	354309	6980029	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Willows	Sphagnum Moss < 30cm
1157203	21/07/2011	358645	6979792	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	B	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1157451	22/07/2011	358258	6983183	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	No Tree Cover	Bare Soil
1159007	23/07/2011	358573	6980625	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	40	Damp	Good	Black Spruce	Thin Moss Cover
1159171	24/07/2011	361026	6976107	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Poor	White Spruce	Sphagnum Moss < 30cm
1159246	25/07/2011	362472	6972344	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Damp	Excellent	No Tree Cover	Thin Moss Cover
1159272	24/07/2011	355330	6979286	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Dry	Good	Willows	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Texture	S_Terrain	S_Horizon	S_Depth	S_Moisture	S_Quality	S_Vegetation	Ground_Cover
1159457	27/07/2011	367826	6968802	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1159470	27/07/2011	368404	6968642	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1058767	25/07/2011	361856	6976463	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1059550	20/07/2011	360977	6968361	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	50	Damp	Excellent	Old Burn	Grass Cover
1060650	20/07/2011	363078	6968152	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	60	Damp	Good	Willows	Thin Moss Cover
1060843	20/07/2011	363116	6967590	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	60	Damp	Good	Old Burn	Burnt Moss
1061630	20/07/2011	360784	6967638	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	50	Damp	Good	Willows	Leaf Cover
1061918	22/07/2011	357050	6982651	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1061925	23/07/2011	356533	6982621	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1144010	22/07/2011	356712	6983635	UTMZ9N_NAD83	Reddish Orange	Clay	Pronounced Slope	C	40	Damp	Good	Willows	Sphagnum Moss < 30cm
1144096	23/07/2011	355615	6981374	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	70	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1144115	22/07/2011	355119	6981474	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1144192	22/07/2011	355730	6984527	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	30	Damp	Good	Willows	Thin Moss Cover
1144229	22/07/2011	354882	6982321	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Willows	Thin Moss Cover
1144307	21/07/2011	352801	6978501	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Willows	Reindeer Lichen
1144333	21/07/2011	353320	6979500	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	50	Damp	Good	Willows	Sphagnum Moss < 30cm
1144442	22/07/2011	358066	6984538	UTMZ9N_NAD83	Grey	Sand	Flat	C	20	Damp	Excellent	No Tree Cover	Thin Moss Cover
1144463	22/07/2011	354929	6983901	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Dry	Good	Dwarf Birch	Thin Moss Cover
1144481	23/07/2011	358590	6982174	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	30	Damp	Good	White Spruce	Thin Moss Cover
1145076	27/07/2011	364812	6967306	UTMZ9N_NAD83	Light Brown	Clay	Pronounced Slope	B	30	Damp	Excellent	Willows	Thin Moss Cover
1145021	24/07/2011	354997	6980741	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1145023	24/07/2011	354919	6980806	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Dry	Good	Dwarf Birch	Sphagnum Moss < 30cm
1152113	27/07/2011	363763	6968400	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	70	Damp	Good	Subalpine Fir	Thin Moss Cover
1152110	27/07/2011	363724	6968543	UTMZ9N_NAD83	Dark Brown	Sand	Steep	B	20	Damp	Good	No Tree Cover	Rock Cover
1152208	27/07/2011	365142	6968487	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	White Spruce	Thin Moss Cover
1156139	24/07/2011	359442	6978095	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1156141	24/07/2011	359354	6978048	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1156110	24/07/2011	358383	6978232	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156190	27/07/2011	365963	6968316	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Poor	Subalpine Fir	Reindeer Lichen
1156335	26/07/2011	359305	6969714	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157025	21/07/2011	354372	6979436	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157097	22/07/2011	357278	6983943	UTMZ9N_NAD83	Reddish Orange	Sand	Pronounced Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157098	22/07/2011	357242	6983907	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157159	21/07/2011	353934	6979703	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	70	Damp	Good	Subalpine Fir	Reindeer Lichen
1157217	21/07/2011	359086	6979298	UTMZ9N_NAD83	Dark Olivine Green	Clay	Subtle Slope	B	100	Damp	Good	White Spruce	Sphagnum Moss > 30cm
1157221	21/07/2011	358961	6979147	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	A	40	Wet	Poor	Subalpine Fir	Sphagnum Moss > 30cm
1157306	22/07/2011	356373	6981637	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Poor	Old Burn	Burnt Moss
1157308	23/07/2011	356943	6981168	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Damp	Poor	Old Burn	Burnt Moss
1157320	23/07/2011	356386	6981054	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Burnt Moss
1157326	23/07/2011	356132	6981043	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Burnt Moss
1157470	22/07/2011	357260	6982148	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	60	Damp	Good	Dwarf Birch	Thin Moss Cover
1159401	27/07/2011	366734	6969060	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	20	Damp	Poor	No Tree Cover	Thin Moss Cover
1159471	27/07/2011	368454	6968645	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1159484	27/07/2011	369072	6968501	UTMZ9N_NAD83	Grey		Flat	C	40		Good	Subalpine Fir	Rock Cover
1159500	27/07/2011	366682	6969092	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1004200	20/07/2011	363331	6969075	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	60	Damp	Excellent	No Tree Cover	Rock Cover
1053278	20/07/2011	362158	6967956	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	60	Damp	Poor	Old Burn	Thin Moss Cover
1057981	25/07/2011	364897	6977327	UTMZ9N_NAD83	Reddish Orange	Clay	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1057998	26/07/2011	369278	6970623	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1057999	26/07/2011	369329	6970621	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1060850	21/07/2011	353398	6979549	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1061602	20/07/2011	361682	6968651	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	40	Damp	Poor	Old Burn	Thin Moss Cover
1061615	20/07/2011	361285	6968133	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Old Burn	Thin Moss Cover
1061624	20/07/2011	360977	6967876	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	Old Burn	Thin Moss Cover
1061629	20/07/2011	360817	6967678	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	40	Damp	Good	Old Burn	Thin Moss Cover
1062165	20/07/2011	361302	6968597	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Old Burn	Thin Moss Cover
1144002	22/07/2011	357051	6983836	UTMZ9N_NAD83	Reddish Orange	Sand	Subtle Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1144009	22/07/2011	356762	6983637	UTMZ9N_NAD83	Reddish Orange	Sand	Pronounced Slope	C	50	Wet	Good	White Spruce	Sphagnum Moss < 30cm
1144024	23/07/2011	358521	6981049	UTMZ9N_NAD83	Reddish Brown	Sand	Steep	C	40	Damp	Good	Willows	Thin Moss Cover
1144075	23/07/2011	356070	6982173	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Poor	Dwarf Birch	Thin Moss Cover
1144094	23/07/2011	355647	6981413	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	80	Damp	Excellent	Old Burn	Thin Moss Cover
1144269	23/07/2011	358949	6982779	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1145071	27/07/2011	364801	6967564	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	40	Damp	Good	Willows	Leaf Cover
1145047	25/07/2011	362415	6971763	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Grass Cover
1145467	26/07/2011	362758	6970736	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Leaf Cover
1152046	26/07/2011	368765	6970490	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1152215	27/07/2011	365760	6968305	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Poor	White Spruce	Sphagnum Moss < 30cm
1152321	27/07/2011	368774	6969446	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	Subalpine Fir	Reindeer Lichen
1152453	25/07/2011	363072	6976501	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152457	25/07/2011	363006	6976315	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1152460	25/07/2011	362939	6976180	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Dry	Good	Subalpine Fir	Thin Moss Cover
1156039	25/07/2011	361137	6972547	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	70	Damp	Good	Subalpine Fir	Thin Moss Cover
1156080	23/07/2011	356279	6983133	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1156172	26/07/2011	362120	6970956	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Good	No Tree Cover	Rock Cover
1156177	26/07/2011	362162	6970713	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	20	Damp	Poor	No Tree Cover	Thin Moss Cover
1156181	26/07/2011	362231	6970525	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	B	30	Damp	Poor	Willows	Thin Moss Cover
1156193	27/07/2011	366104	6968273	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1157080	21/07/2011	355690	6979985	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	40	Wet	Good	Willows	Leaf Cover
1157208	21/07/2011	358857	6979660	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	60	Damp	Good	Dwarf Birch	Thin Moss Cover
1157225	21/07/2011	358786	6979041	UTMZ9N_NAD83	Light Grey	Clay	Subtle Slope	B	40	Wet	Good	White Spruce	Thin Moss Cover
1159004	23/07/2011	358697	6980711	UTMZ9N_NAD83	Light Brown	Silt	Subtle Slope	B	30	Dry	Good	White Spruce	Sphagnum Moss < 30cm
1159103	25/07/2011	364034	6977558	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159183	24/07/2011	360770	6975582	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	40	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1159326	25/07/2011	359665	6975769	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	70	Damp	Excellent	Black Spruce	Sphagnum Moss < 30cm
1159407	27/07/2011	367003	6968931	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1159474	27/07/2011	368599	6968623	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1159480	27/07/2011	368887	6968540	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1159482	27/07/2011	368986	6968555	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	C	40	Damp	Good	White Spruce	Reindeer Lichen
1056019	20/07/2011	362691	6968796	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	20	Damp	Excellent	No Tree Cover	Rock Cover
1061603	20/07/2011	361647	6968615	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	50	Damp	Poor	Old Burn	Thin Moss Cover
1061649	21/07/2011	353788	6977996	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	30	Damp	Poor	No Tree Cover	Reindeer Lichen
1061938	23/07/2011	356270	6983233	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Poor	Subalpine Fir	Thin Moss Cover
1062168	20/07/2011	361179	6968509	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	Old Burn	Thin Moss Cover
1144253	23/07/2011	358593	6983232	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Good	No Tree Cover	Thin Moss Cover
1144372	23/07/2011	358888	6980784	UTMZ9N_NAD83	Light Brown	Silt	Pronounced Slope	B	30	Dry	Good	White Spruce	Thin Moss Cover
1145061	27/07/2011	364758	6968078	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	B	30	Damp	Good	Willows	Thin Moss Cover
1145064	27/07/2011	364759	6967923	UTMZ9N_NAD83	Light Brown	Clay	Pronounced Slope	C	70	Damp	Excellent	Poplar	Leaf Cover
1145476	25/07/2011	362702	6972804	UTMZ9N_NAD83	Dark Grey Black	Silt	Subtle Slope	C	80	Dry	Good	No Tree Cover	Bare Soil
1152063	27/07/2011	369013	6969562	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1152271	27/07/2011	363773	6969012	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	B	30	Damp	Poor	No Tree Cover	Sphagnum Moss < 30cm
1152301	27/07/2011	367882	6969065	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1152499	26/07/2011	363607	6973121	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	60	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156028	25/07/2011	361463	6972153	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156047	25/07/2011	360904	6972847	UTMZ9N_NAD83	Grey	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1156116	24/07/2011	358136	6978408	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1156205	27/07/2011	366160	6967669	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	70	Dry	Good	Birch Forest	Leaf Cover
1156216	27/07/2011	366426	6967265	UTMZ9N_NAD83	Reddish Yellow	Clay	Flat	B	40	Damp	Good	Black Spruce	Reindeer Lichen
1156348	27/07/2011	364858	6968892	UTMZ9N_NAD83	Dark Blue Black	Sand	Subtle Slope	C	50	Damp	Good	No Tree Cover	Thin Moss Cover
1156426	26/07/2011	368972	6971126	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1156443	27/07/2011	367524	6968882	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1157002	21/07/2011	354192	6978467	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157029	21/07/2011	354426	6979628	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	50	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1157051	21/07/2011	357034	6980029	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	C	30	Dry	Good	Willows	Sphagnum Moss < 30cm
1157202	21/07/2011	358601	6979816	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1157301	22/07/2011	356362	6981878	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	40	Damp	Poor	Old Burn	Burnt Moss
1157391	23/07/2011	356517	6982333	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1159155	24/07/2011	361766	6976297	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1159054	23/07/2011	356999	6981179	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	30	Damp	Good	Old Burn	Sphagnum Moss < 30cm
1159058	23/07/2011	357196	6981210	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	Old Burn	Sphagnum Moss < 30cm
1159179	24/07/2011	360824	6975774	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	70	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159245	25/07/2011	362427	6972317	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Damp	Excellent	No Tree Cover	Reindeer Lichen
1159371	26/07/2011	360875	6970669	UTMZ9N_NAD83	Grey	Sand	Flat	C	20	Damp	Good	Subalpine Fir	Reindeer Lichen
1159473	27/07/2011	368552	6968640	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1159479	27/07/2011	368843	6968563	UTMZ9N_NAD83	Chocolate Brown	Clay	Flat	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1053275	20/07/2011	362168	6968112	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	30	Damp	Poor	Old Burn	Thin Moss Cover
1056010	20/07/2011	363083	6969026	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Good	No Tree Cover	Thin Moss Cover
1056011	20/07/2011	363044	6968993	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Rock Cover
1061605	20/07/2011	361577	6968542	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Good	Old Burn	Thin Moss Cover
1061609	20/07/2011	361487	6968360	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Poor	No Tree Cover	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1062170	20/07/2011	361099	6968448	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	40	Damp	Good	Old Burn	Grass Cover
1144034	23/07/2011	357669	6981007	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Good	Willows	Thin Moss Cover
1144038	23/07/2011	357698	6980858	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	C	40	Damp	Good	Willows	Thin Moss Cover
1144099	25/07/2011	361888	6972031	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Damp	Excellent	No Tree Cover	Grass Cover
1144304	21/07/2011	352722	6978371	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1145498	27/07/2011	364842	6968640	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Grass Cover
1145001	24/07/2011	355639	6980091	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	B	60	Damp	Good	Dwarf Birch	Thin Moss Cover
1145034	24/07/2011	354399	6980782	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	60	Dry	Good	Dwarf Birch	Leaf Cover
1145055	27/07/2011	364779	6968391	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	110	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1145059	27/07/2011	364760	6968181	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	30	Damp	Poor	Subalpine Fir	Thin Moss Cover
1145451	26/07/2011	363243	6971272	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Poor	No Tree Cover	Thin Moss Cover
1152463	25/07/2011	362830	6976083	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	60	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1156173	26/07/2011	362110	6970907	UTMZ9N_NAD83	Grey	Sand	Flat	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1157102	21/07/2011	358492	6979898	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1157006	21/07/2011	354214	6978663	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1157052	21/07/2011	356984	6980017	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	C	40	Dry	Good	Willows	Sphagnum Moss < 30cm
1157061	21/07/2011	356536	6979955	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	C	40	Damp	Good	Willows	Sphagnum Moss < 30cm
1157165	21/07/2011	354127	6979858	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Dry	Good	Subalpine Fir	Reindeer Lichen
1157216	21/07/2011	359092	6979349	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	40	Damp	Poor	White Spruce	Sphagnum Moss < 30cm
1157338	23/07/2011	355537	6981108	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	60	Damp	Poor	Black Spruce	Sphagnum Moss > 30cm
1159385	26/07/2011	361416	6970315	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	20	Damp	Good	Dwarf Birch	Thin Moss Cover
1159005	23/07/2011	358653	6980686	UTMZ9N_NAD83	Light Brown	Silt	Pronounced Slope	B	40	Damp	Poor	White Spruce	Thin Moss Cover
1159108	25/07/2011	364072	6977814	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159167	24/07/2011	361209	6976188	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1159203	24/07/2011	359295	6980550	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1159481	27/07/2011	368937	6968542	UTMZ9N_NAD83	Grey	Sand	Flat	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1060833	20/07/2011	363083	6968101	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Damp	Good	Willows	Thin Moss Cover
1060841	20/07/2011	363112	6967697	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	C	80	Damp	Poor	Old Burn	Burnt Moss
1061950	24/07/2011	360329	6976772	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	B	30	Damp	Poor	White Spruce	Thin Moss Cover
1062160	20/07/2011	361533	6968692	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	70	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144045	23/07/2011	357767	6980506	UTMZ9N_NAD83	Reddish Orange	Sand	Pronounced Slope	C	40	Damp	Good	Willows	Thin Moss Cover
1144060	22/07/2011	355615	6983796	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1144166	21/07/2011	352846	6977498	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Poor	No Tree Cover	Thin Moss Cover
1144200	22/07/2011	355380	6984301	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Poor	Dwarf Birch	Thin Moss Cover
1144225	22/07/2011	354964	6982505	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Poor	Dwarf Birch	Thin Moss Cover
1144228	22/07/2011	354905	6982366	UTMZ9N_NAD83	Reddish Yellow	Sand	Steep	B	50	Wet	Poor	Old Burn	Thin Moss Cover
1144371	23/07/2011	358929	6980813	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1144401	21/07/2011	358342	6979794	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Bare Soil
1145063	27/07/2011	364759	6967974	UTMZ9N_NAD83	Chocolate Brown	Clay	Steep	C	50	Damp	Poor	Willows	Bare Soil
1152005	25/07/2011	362426	6977111	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	10	Damp	Excellent	No Tree Cover	Rock Cover
1152017	25/07/2011	362158	6976640	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	20	Damp	Good	No Tree Cover	Reindeer Lichen
1152080	27/07/2011	369782	6969372	UTMZ9N_NAD83	Bluish Grey	Sand	Pronounced Slope	C	40	Wet	Good	Subalpine Fir	Leaf Cover
1152126	27/07/2011	364124	6967892	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	40	Dry	Poor	Poplar	Leaf Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1152406	27/07/2011	367200	6968486	UTM29N_NAD83	Chocolate Brown	Sand	Steep	C	40	Damp	Good	Willows	Thin Moss Cover
1152413	27/07/2011	366956	6968239	UTM29N_NAD83	Chocolate Brown	Sand	Steep	C	40	Damp	Good	Willows	Sphagnum Moss < 30cm
1156178	26/07/2011	362167	6970662	UTM29N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Poor	No Tree Cover	Thin Moss Cover
1156338	26/07/2011	359240	6969579	UTM29N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156424	26/07/2011	368875	6971122	UTM29N_NAD83	Light Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1157023	21/07/2011	354328	6979346	UTM29N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157031	22/07/2011	356372	6984820	UTM29N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Rock Cover
1157440	25/07/2011	363526	6977280	UTM29N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Bare Soil
1157456	22/07/2011	357764	6982968	UTM29N_NAD83	Dark Brown	Sand	Subtle Slope	C	5	Dry	Good	Subalpine Fir	Bare Soil
1157461	22/07/2011	357287	6982595	UTM29N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Wet	Good	Subalpine Fir	Thin Moss Cover
1157465	22/07/2011	357274	6982399	UTM29N_NAD83	Dark Brown	Sand	Pronounced Slope	B	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1159006	23/07/2011	358609	6980661	UTM29N_NAD83	Reddish Yellow	Silt	Subtle Slope	B	50	Damp	Good	Black Spruce	Sphagnum Moss < 30cm
1159008	23/07/2011	358525	6980608	UTM29N_NAD83	Yellow	Sand	Pronounced Slope	C	40	Damp	Good	Black Spruce	Thin Moss Cover
1159018	23/07/2011	357110	6980924	UTM29N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Damp	Poor	Dwarf Birch	Thin Moss Cover
1159070	24/07/2011	356574	6977854	UTM29N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Dwarf Birch	Leaf Cover
1159219	24/07/2011	358696	6980069	UTM29N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	40	Dry	Excellent	White Spruce	Thin Moss Cover
1159409	27/07/2011	367099	6968900	UTM29N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Excellent	No Tree Cover	Bare Soil
1159467	27/07/2011	368255	6968635	UTM29N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1159477	27/07/2011	368747	6968592	UTM29N_NAD83	Grey	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1060643	20/07/2011	363076	6968458	UTM29N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1061621	20/07/2011	361079	6967991	UTM29N_NAD83	Dark Brown	Sand	Pronounced Slope	B	50	Damp	Good	Willows	Thin Moss Cover
1061648	21/07/2011	353781	6977945	UTM29N_NAD83	Dark Brown	Clay	Subtle Slope	A	30	Damp	Good	No Tree Cover	Reindeer Lichen
1062164	20/07/2011	361346	6968619	UTM29N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1087735	26/07/2011	370308	6971000	UTM29N_NAD83	Grey	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1144064	23/07/2011	356509	6982466	UTM29N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	40	Dry	Good	Old Burn	Rock Cover
1144402	21/07/2011	358294	6979781	UTM29N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1144407	21/07/2011	358062	6979689	UTM29N_NAD83	Grey	Clay	Pronounced Slope	B	110	Damp	Good	Willows	Thin Moss Cover
1145070	27/07/2011	364795	6967616	UTM29N_NAD83	Chocolate Brown	Silt	Subtle Slope	B	50	Dry	Good	White Spruce	Thin Moss Cover
1145067	27/07/2011	364767	6967769	UTM29N_NAD83	Grey	Clay	Subtle Slope	C	70	Damp	Good	Dwarf Birch	Leaf Cover
1145460	26/07/2011	363070	6970909	UTM29N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Poor	No Tree Cover	Reindeer Lichen
1145474	25/07/2011	362686	6972702	UTM29N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	40	Damp	Poor	No Tree Cover	Reindeer Lichen
1152037	26/07/2011	368330	6970382	UTM29N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1152125	27/07/2011	364093	6967933	UTM29N_NAD83	Dark Grey Black	Clay	Pronounced Slope	A	70	Wet	Poor	Dwarf Birch	Thin Moss Cover
1152302	27/07/2011	367915	6969103	UTM29N_NAD83	Chocolate Brown	Silt	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1152305	27/07/2011	368044	6969181	UTM29N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	20	Damp	Good	Subalpine Fir	Reindeer Lichen
1152319	27/07/2011	368679	6969440	UTM29N_NAD83	Light Brown	Silt	Subtle Slope	B	20	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156355	24/07/2011	359773	6977372	UTM29N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1156052	24/07/2011	360280	6976686	UTM29N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1156061	24/07/2011	360381	6976309	UTM29N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	90	Wet	Good	Dwarf Birch	Reindeer Lichen
1156167	26/07/2011	362114	6971203	UTM29N_NAD83	Grey	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Bare Soil
1156334	26/07/2011	359337	6969753	UTM29N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1156337	26/07/2011	359256	6969627	UTM29N_NAD83	Dark Brown	Clay	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156376	25/07/2011	364549	6977327	UTM29N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1156439	27/07/2011	367373	6968861	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156450	27/07/2011	367838	6969040	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1157011	21/07/2011	354126	6978899	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	60	Wet	Good	Subalpine Fir	Sphagnum Moss > 30cm
1157015	21/07/2011	354177	6979086	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157063	21/07/2011	356440	6979931	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157064	21/07/2011	356387	6979930	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	40	Damp	Good	Willows	Leaf Cover
1157090	22/07/2011	357535	6984202	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157214	21/07/2011	359059	6979443	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	60	Dry	Good	White Spruce	Sphagnum Moss < 30cm
1159130	26/07/2011	367985	6972094	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159178	24/07/2011	360842	6975820	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	110	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159239	26/07/2011	363334	6971514	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Grass Cover
1159281	25/07/2011	360753	6973506	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159388	26/07/2011	361532	6970215	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1159394	26/07/2011	361802	6970088	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	Old Burn	Sphagnum Moss < 30cm
1159406	27/07/2011	366957	6968950	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1159478	27/07/2011	368794	6968576	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Wet	Good	Dwarf Birch	Reindeer Lichen
1061585	20/07/2011	363718	6968965	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	B	30	Damp	Poor	No Tree Cover	Reindeer Lichen
1061922	22/07/2011	356852	6982678	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1061943	23/07/2011	356233	6983476	UTMZ9N_NAD83	Dark Blue Black	Sand	Pronounced Slope	C	70	Damp	Good	Subalpine Fir	Thin Moss Cover
1062153	20/07/2011	360848	6968283	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1062159	20/07/2011	361580	6968710	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1144007	22/07/2011	356852	6983683	UTMZ9N_NAD83	Reddish Orange	Sand	Pronounced Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1144257	23/07/2011	358737	6983135	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Thin Moss Cover
1144325	21/07/2011	353065	6979198	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Wet	Good	Black Spruce	Sphagnum Moss < 30cm
1145032	24/07/2011	354478	6980796	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	60	Damp	Excellent	Old Burn	Sphagnum Moss < 30cm
1145033	24/07/2011	354429	6980785	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	110	Damp	Excellent	Dwarf Birch	Leaf Cover
1145465	26/07/2011	362836	6970804	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1145479	25/07/2011	362663	6972889	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1145488	25/07/2011	362707	6973336	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	40	Damp	Poor	White Spruce	Sphagnum Moss > 30cm
1152045	26/07/2011	368718	6970472	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	60	Damp	Good	Poplar	Thin Moss Cover
1152053	26/07/2011	363572	6973316	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1152307	27/07/2011	368139	6969211	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1152309	27/07/2011	368232	6969251	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1152407	27/07/2011	367177	6968442	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Willows	Thin Moss Cover
1156142	24/07/2011	359304	6978039	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1156176	26/07/2011	362148	6970762	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	20	Damp	Poor	No Tree Cover	Reindeer Lichen
1156196	27/07/2011	366146	6968128	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	50	Damp	Good	Poplar	Sphagnum Moss < 30cm
1157042	22/07/2011	356201	6984325	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	20	Damp	Good	No Tree Cover	Rock Cover
1157050	22/07/2011	355987	6984032	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Poor	Subalpine Fir	Thin Moss Cover
1157079	21/07/2011	355689	6979939	UTMZ9N_NAD83	Bluish Grey	Clay	Subtle Slope	C	30	Damp	Good	Willows	Sphagnum Moss < 30cm
1157096	22/07/2011	357312	6983981	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157136	25/07/2011	363666	6976697	UTMZ9N_NAD83	Dark Brown	Sand	Steep	B	30	Damp	Good	Subalpine Fir	Grass Cover
1157340	23/07/2011	355436	6981081	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	80	Damp	Excellent	Dwarf Birch	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1157497	23/07/2011	355187	6982950	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159154	24/07/2011	361767	6976347	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1159029	24/07/2011	360850	6977298	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1159040	24/07/2011	360428	6977060	UTMZ9N_NAD83	Chocolate Brown	Silt	Pronounced Slope	B	50	Dry	Good	No Tree Cover	Reindeer Lichen
1159370	26/07/2011	360827	6970686	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159453	27/07/2011	367633	6968835	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1053288	20/07/2011	362046	6967402	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	60	Damp	Poor	Old Burn	Leaf Cover
1061311	26/07/2011	370444	6970955	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1061622	20/07/2011	361041	6967955	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Willows	Thin Moss Cover
1061936	23/07/2011	356296	6983085	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1061939	23/07/2011	356276	6983282	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Poor	Subalpine Fir	Thin Moss Cover
1144074	23/07/2011	356075	6982222	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	40	Damp	Poor	Dwarf Birch	Thin Moss Cover
1144108	22/07/2011	355320	6981762	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1144248	22/07/2011	354681	6981465	UTMZ9N_NAD83	Reddish Yellow	Sand	Steep	B	70	Damp	Good	Willows	Thin Moss Cover
1144270	23/07/2011	358923	6982735	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Dry	Excellent	Subalpine Fir	Thin Moss Cover
1144469	23/07/2011	358533	6981623	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	30	Dry	Good	No Tree Cover	Thin Moss Cover
1145022	24/07/2011	354958	6980775	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	60	Dry	Good	Dwarf Birch	Sphagnum Moss < 30cm
1145058	27/07/2011	364761	6968235	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	60	Damp	Good	Subalpine Fir	Thin Moss Cover
1145066	27/07/2011	364762	6967820	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	70	Damp	Excellent	Willows	Leaf Cover
1145068	27/07/2011	364778	6967718	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1145080	27/07/2011	364809	6967097	UTMZ9N_NAD83	Dark Brown	Silt	Subtle Slope	C	50	Dry	Poor	White Spruce	Sphagnum Moss < 30cm
1145468	26/07/2011	362732	6970690	UTMZ9N_NAD83	Reddish Brown	Clay	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1152072	27/07/2011	369452	6969581	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	90	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1152101	26/07/2011	362079	6969983	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	80	Damp	Excellent	Old Burn	Grass Cover
1152451	25/07/2011	363105	6976595	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152491	26/07/2011	363810	6972783	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1156168	26/07/2011	362129	6971156	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1156217	27/07/2011	366468	6967236	UTMZ9N_NAD83	Chocolate Brown	Clay	Flat	B	40	Damp	Good	Birch Forest	Sphagnum Moss < 30cm
1156269	26/07/2011	369873	6971039	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156270	26/07/2011	369921	6971056	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	70	Damp	Good	Dwarf Birch	Grass Cover
1157014	21/07/2011	354151	6979042	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157037	22/07/2011	356222	6984574	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1157127	22/07/2011	357508	6982815	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	20	Wet	Good	Subalpine Fir	Reindeer Lichen
1157196	22/07/2011	356317	6982075	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	60	Damp	Good	Old Burn	Burnt Moss
1157317	23/07/2011	356539	6981038	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Poor	Old Burn	Burnt Moss
1159045	24/07/2011	360235	6977218	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	50	Damp	Good	White Spruce	Reindeer Lichen
1159069	24/07/2011	356615	6977825	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1159211	24/07/2011	359011	6980253	UTMZ9N_NAD83	Grey	Sand	Flat	C	40	Dry	Excellent	White Spruce	Thin Moss Cover
1159213	24/07/2011	358927	6980191	UTMZ9N_NAD83	Dark Grey Black	Clay	Flat	C	110	Dry	Good	White Spruce	Thin Moss Cover
1159294	25/07/2011	360484	6974101	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	60	Dry	Good	Subalpine Fir	Reindeer Lichen
1159395	26/07/2011	361848	6970070	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Excellent	Old Burn	Grass Cover
1159455	27/07/2011	367729	6968833	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Thin Moss Cover
1053282	20/07/2011	362141	6967750	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	70	Damp	Good	Old Burn	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Texture	S_Terrain	S_Horizon	S_Depth	S_Moisture	S_Quality	S_Vegetation	Ground_Cover
1059549	20/07/2011	361020	6968388	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1061627	20/07/2011	360883	6967758	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	70	Damp	Good	Willows	Leaf Cover
1061644	21/07/2011	353731	6977747	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1061646	21/07/2011	353755	6977845	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	A	20	Damp	Poor	No Tree Cover	Reindeer Lichen
1061700	21/07/2011	358585	6980005	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1062158	21/07/2011	354098	6978349	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144205	21/07/2011	353694	6978288	UTMZ9N_NAD83	Dark Brown	Clay	Steep	B	30	Damp	Good	No Tree Cover	Reindeer Lichen
1144209	21/07/2011	353611	6978472	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	40	Wet	Good	Subalpine Fir	Sphagnum Moss > 30cm
1144035	23/07/2011	357669	6980956	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	40	Damp	Good	Willows	Thin Moss Cover
1144049	24/07/2011	362095	6977713	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	20	Damp	Good	No Tree Cover	Rock Cover
1144083	23/07/2011	355975	6981837	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Good	Old Burn	Thin Moss Cover
1144197	22/07/2011	355512	6984382	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	60	Damp	Good	Dwarf Birch	Thin Moss Cover
1144247	22/07/2011	354665	6981513	UTMZ9N_NAD83	Reddish Yellow	Sand	Steep	B	50	Wet	Poor	Willows	Thin Moss Cover
1144462	22/07/2011	355003	6983975	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	20	Damp	Poor	Dwarf Birch	Thin Moss Cover
1145073	27/07/2011	364813	6967461	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	40	Damp	Good	Willows	Thin Moss Cover
1145075	27/07/2011	364811	6967358	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	50	Damp	Excellent	Willows	Leaf Cover
1145466	26/07/2011	362796	6970770	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	40	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1145478	25/07/2011	362689	6972854	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Reindeer Lichen
1145484	25/07/2011	362650	6973138	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	60	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1152410	27/07/2011	367061	6968344	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	30	Damp	Good	Willows	Bare Soil
1156357	24/07/2011	359672	6977365	UTMZ9N_NAD83	Dark Grey Black	Silt	Subtle Slope	B	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1156010	24/07/2011	359070	6980885	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	B	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1156025	25/07/2011	361570	6972046	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156150	24/07/2011	358916	6978108	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156207	27/07/2011	366141	6967568	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	110	Damp	Good	Willows	Leaf Cover
1156330	26/07/2011	359476	6969899	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Old Burn	Burnt Moss
1156336	26/07/2011	359281	6969671	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157012	21/07/2011	354115	6978948	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	50	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157124	22/07/2011	357672	6982930	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Dry	Good	No Tree Cover	Rock Cover
1157166	21/07/2011	354156	6979902	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157187	22/07/2011	356122	6982402	UTMZ9N_NAD83	Greyish Green	Clay	Pronounced Slope	C	60	Dry	Good	Old Burn	Burnt Moss
1157198	22/07/2011	356333	6982028	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Old Burn	Burnt Moss
1157210	21/07/2011	358935	6979594	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	70	Dry	Good	Dwarf Birch	Sphagnum Moss < 30cm
1157422	24/07/2011	361144	6977687	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Dry	Good	Willows	Reindeer Lichen
1157423	24/07/2011	361105	6977655	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	70	Wet	Good	White Spruce	Bare Soil
1157445	25/07/2011	363765	6977327	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Reindeer Lichen
1159181	24/07/2011	360793	6975681	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1159262	24/07/2011	355785	6979253	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Dry	Good	Old Burn	Burnt Moss
1159356	25/07/2011	362808	6971407	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Rock Cover
1053272	20/07/2011	362178	6968266	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	50	Damp	Good	Old Burn	Sphagnum Moss < 30cm
1053286	20/07/2011	362080	6967501	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	A	60	Damp	Poor	Old Burn	Thin Moss Cover
1059544	20/07/2011	361732	6968720	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	B	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1059546	20/07/2011	361629	6968716	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1061650	21/07/2011	353779	6978047	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	A	20	Damp	Good	No Tree Cover	Reindeer Lichen
1061927	23/07/2011	356492	6982712	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	30	Wet	Good	Subalpine Fir	Thin Moss Cover
1062156	21/07/2011	354030	6978274	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss > 30cm
1144023	23/07/2011	358506	6981096	UTMZ9N_NAD83	Reddish Orange	Sand	Steep	C	60	Damp	Good	Willows	Thin Moss Cover
1144165	21/07/2011	352871	6977452	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Dry	Good	Dwarf Birch	Reindeer Lichen
1144195	22/07/2011	355595	6984441	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	30	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1144239	22/07/2011	354675	6981913	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	B	50	Damp	Good	Willows	Thin Moss Cover
1144265	23/07/2011	359035	6982961	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1144288	24/07/2011	358741	6981714	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	30	Damp	Poor	No Tree Cover	Reindeer Lichen
1144330	21/07/2011	353238	6979380	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	70	Damp	Good	No Tree Cover	Grass Cover
1144344	22/07/2011	355648	6982375	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Poor	Willows	Reindeer Lichen
1144477	23/07/2011	358618	6981969	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Thin Moss Cover
1145002	24/07/2011	355618	6980137	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1145486	25/07/2011	362679	6973237	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	50	Damp	Good	White Spruce	Reindeer Lichen
1152003	25/07/2011	362444	6977157	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	20	Damp	Excellent	No Tree Cover	Rock Cover
1152068	27/07/2011	369260	6969607	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152069	27/07/2011	369310	6969610	UTMZ9N_NAD83	Light Brown	Clay	Pronounced Slope	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1152076	27/07/2011	369624	6969484	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1152078	27/07/2011	369699	6969425	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	40	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152310	27/07/2011	368279	6969269	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	Subalpine Fir	Reindeer Lichen
1152393	26/07/2011	368888	6970529	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	30	Damp	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1152467	25/07/2011	362752	6975901	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	70	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1156015	24/07/2011	359262	6980825	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156043	25/07/2011	360834	6973040	UTMZ9N_NAD83	Dark Brown	Clay	Flat	B	60	Wet	Poor	Subalpine Fir	Sphagnum Moss > 30cm
1156098	25/07/2011	363568	6976769	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1156101	24/07/2011	358764	6978105	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1156108	24/07/2011	358472	6978184	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1156209	27/07/2011	366145	6967468	UTMZ9N_NAD83	Light Brown	Silt	Pronounced Slope	B	40	Damp	Poor	Birch Forest	Leaf Cover
1156253	26/07/2011	369510	6970702	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156262	26/07/2011	369849	6970993	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156305	25/07/2011	360301	6974568	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	70	Damp	Good	Subalpine Fir	Reindeer Lichen
1156345	27/07/2011	364822	6969041	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Damp	Good	No Tree Cover	Thin Moss Cover
1156431	26/07/2011	369154	6971180	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157056	21/07/2011	356779	6980019	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	C	50	Damp	Good	Willows	Sphagnum Moss < 30cm
1157085	22/07/2011	357758	6984299	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1157092	22/07/2011	357462	6984137	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157123	22/07/2011	357811	6982993	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	20	Dry	Good	No Tree Cover	Rock Cover
1157152	21/07/2011	353588	6979621	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	50	Wet	Good	Subalpine Fir	Sphagnum Moss > 30cm
1157201	21/07/2011	358558	6979843	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	50	Dry	Good	White Spruce	Thin Moss Cover
1157319	23/07/2011	356437	6981051	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	C	50	Dry	Good	Old Burn	Burnt Moss
1157324	23/07/2011	356233	6981054	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Poor	Old Burn	Burnt Moss
1157392	23/07/2011	356560	6982309	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1157446	25/07/2011	363813	6977345	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Reindeer Lichen

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1159077	24/07/2011	356403	6978140	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	20	Damp	Good	Dwarf Birch	Reindeer Lichen
1159139	26/07/2011	368443	6971995	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159140	26/07/2011	368493	6971995	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159263	24/07/2011	355735	6979270	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Dry	Good	Old Burn	Burnt Moss
1159411	27/07/2011	367197	6968878	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Excellent	No Tree Cover	Bare Soil
1159465	27/07/2011	368160	6968674	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1159466	27/07/2011	368208	6968651	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Good	Subalpine Fir	Thin Moss Cover
1053271	20/07/2011	362181	6968318	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	50	Damp	Good	Willows	Thin Moss Cover
1053292	20/07/2011	362009	6967213	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	50	Damp	Good	Old Burn	Thin Moss Cover
1061626	20/07/2011	360912	6967799	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	50	Dry	Good	Old Burn	Thin Moss Cover
1061928	23/07/2011	356480	6982761	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Good	Dwarf Birch	Rock Cover
1062154	20/07/2011	360805	6968257	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	60	Damp	Good	Subalpine Fir	Sphagnum Moss > 30cm
1062161	20/07/2011	361487	6968672	UTMZ9N_NAD83	Reddish Yellow	Sand	Steep	C	70	Damp	Good	Old Burn	Sphagnum Moss < 30cm
1144210	21/07/2011	353606	6978523	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	20	Wet	Good	Subalpine Fir	Sphagnum Moss > 30cm
1144211	21/07/2011	353599	6978573	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Sphagnum Moss > 30cm
1144031	23/07/2011	357680	6981157	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Leaf Cover
1144041	23/07/2011	357717	6980696	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Damp	Good	Willows	Thin Moss Cover
1144092	23/07/2011	355707	6981493	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Good	Old Burn	Thin Moss Cover
1144180	21/07/2011	352657	6978084	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Dry	Good	No Tree Cover	Reindeer Lichen
1144260	23/07/2011	358888	6983113	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1144268	23/07/2011	358978	6982821	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1144345	22/07/2011	355633	6982326	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Good	Dwarf Birch	Reindeer Lichen
1144403	21/07/2011	358248	6979762	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	60	Damp	Good	Dwarf Birch	Thin Moss Cover
1144468	23/07/2011	358506	6981577	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	30	Dry	Good	No Tree Cover	Thin Moss Cover
1145077	27/07/2011	364811	6967253	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	50	Damp	Excellent	Willows	Thin Moss Cover
1145004	24/07/2011	355580	6980231	UTMZ9N_NAD83	Bluish Grey	Clay	Subtle Slope	C	80	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1145056	27/07/2011	364773	6968339	UTMZ9N_NAD83	Light Brown	Clay	Pronounced Slope	C	80	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1145062	27/07/2011	364758	6968026	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	70	Damp	Excellent	Willows	Bare Soil
1152115	27/07/2011	363821	6968321	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Good	Subalpine Fir	Bare Soil
1152020	25/07/2011	361795	6976385	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Dry	Excellent	No Tree Cover	Reindeer Lichen
1152264	27/07/2011	364031	6969148	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	30	Damp	Good	No Tree Cover	Rock Cover
1152351	26/07/2011	359186	6971060	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	30	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1156027	25/07/2011	361496	6972116	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Poor	No Tree Cover	Reindeer Lichen
1156058	24/07/2011	360346	6976450	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	White Spruce	Bare Soil
1156067	24/07/2011	360405	6976063	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156151	25/07/2011	361023	6972685	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156160	26/07/2011	362003	6971530	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Rock Cover
1156212	27/07/2011	366238	6967343	UTMZ9N_NAD83	Reddish Yellow	Clay	Flat	B	40	Damp	Good	Black Spruce	Reindeer Lichen
1156325	26/07/2011	359649	6970085	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Excellent	Dwarf Birch	Grass Cover
1156327	26/07/2011	359577	6970013	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	Old Burn	Sphagnum Moss < 30cm
1156347	27/07/2011	364853	6968944	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Excellent	No Tree Cover	Thin Moss Cover
1156381	25/07/2011	364803	6977307	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	50	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1156441	27/07/2011	367473	6968876	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	40	Damp	Good	No Tree Cover	Reindeer Lichen

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1157087	22/07/2011	357668	6984253	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157154	21/07/2011	353686	6979643	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Wet	Poor	Subalpine Fir	Sphagnum Moss > 30cm
1157199	22/07/2011	356347	6981979	UTMZ9N_NAD83	Grey	Sand	Steep	C	80	Damp	Good	Old Burn	Burnt Moss
1157212	21/07/2011	359009	6979529	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	60	Damp	Good	Poplar	Thin Moss Cover
1157316	23/07/2011	356588	6981020	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	50	Damp	Poor	Old Burn	Burnt Moss
1157455	22/07/2011	357851	6983020	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	20	Damp	Excellent	No Tree Cover	Rock Cover
1159153	23/07/2011	356859	6981864	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Damp	Good	Willows	Thin Moss Cover
1159009	23/07/2011	358482	6980581	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	B	40	Damp	Good	Black Spruce	Thin Moss Cover
1159022	23/07/2011	357008	6980750	UTMZ9N_NAD83	Yellow	Clay	Subtle Slope	C	60	Damp	Good	Dwarf Birch	Thin Moss Cover
1159048	24/07/2011	360117	6977311	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	20	Damp	Good	Dwarf Birch	Reindeer Lichen
1159061	24/07/2011	357234	6977409	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Poor	Subalpine Fir	Reindeer Lichen
1159125	26/07/2011	367700	6972201	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1159207	24/07/2011	359126	6980426	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1159237	26/07/2011	363380	6971608	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1059541	20/07/2011	361883	6968730	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	B	30	Damp	Poor	Subalpine Fir	Rock Cover
1144203	21/07/2011	353733	6978193	UTMZ9N_NAD83	Dark Brown	Sand	Steep	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1144088	23/07/2011	355869	6981611	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	70	Damp	Good	Old Burn	Thin Moss Cover
1144271	23/07/2011	358886	6982700	UTMZ9N_NAD83	Chocolate Brown	Clay	Steep	B	50	Damp	Good	No Tree Cover	Thin Moss Cover
1144276	23/07/2011	358695	6982529	UTMZ9N_NAD83	Dark Brown	Clay	Flat	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1144306	21/07/2011	352774	6978457	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Damp	Excellent	Subalpine Fir	Sphagnum Moss > 30cm
1144406	21/07/2011	358104	6979713	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	70	Damp	Good	Willows	Thin Moss Cover
1145045	25/07/2011	362340	6971830	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1145461	26/07/2011	363024	6970882	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Reindeer Lichen
1145482	25/07/2011	362621	6973038	UTMZ9N_NAD83	Grey	Silt	Pronounced Slope	C	50	Damp	Good	White Spruce	Thin Moss Cover
1152111	27/07/2011	363740	6968497	UTMZ9N_NAD83	Chocolate Brown	Clay	Steep	B	30	Damp	Good	No Tree Cover	Bare Soil
1152207	27/07/2011	365101	6968518	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Willows	Sphagnum Moss < 30cm
1152414	27/07/2011	366930	6968196	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	40	Damp	Good	Poplar	Leaf Cover
1156158	26/07/2011	361981	6971576	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	60	Damp	Good	No Tree Cover	Reindeer Lichen
1156169	26/07/2011	362144	6971107	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Bare Soil
1156170	26/07/2011	362139	6971057	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Poor	No Tree Cover	Thin Moss Cover
1156186	26/07/2011	362248	6970234	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	40	Damp	Good	Old Burn	Thin Moss Cover
1156259	26/07/2011	369738	6970890	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1156344	27/07/2011	364810	6969090	UTMZ9N_NAD83	Dark Blue Black	Sand	Pronounced Slope	C	60	Damp	Good	No Tree Cover	Thin Moss Cover
1156368	25/07/2011	364204	6977389	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	60	Damp	Good	Subalpine Fir	Reindeer Lichen
1156449	27/07/2011	367793	6969017	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157021	21/07/2011	354281	6979257	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1157024	21/07/2011	354351	6979391	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	50	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1157088	22/07/2011	357619	6984241	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157118	22/07/2011	358209	6983179	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	Subalpine Fir	Reindeer Lichen
1157167	21/07/2011	354198	6979930	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Dry	Excellent	Subalpine Fir	Reindeer Lichen
1157413	24/07/2011	361475	6977895	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Dry	Good	No Tree Cover	Sphagnum Moss < 30cm
1159248	25/07/2011	362526	6972436	UTMZ9N_NAD83	Chocolate Brown	Clay	Flat	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1159398	26/07/2011	361941	6970033	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	Old Burn	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1053285	20/07/2011	362113	6967599	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	60	Damp	Good	Old Burn	Bare Soil
1061636	21/07/2011	353610	6977357	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Poor	No Tree Cover	Reindeer Lichen
1144243	22/07/2011	354657	6981711	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1144258	23/07/2011	358786	6983125	UTMZ9N_NAD83	Chocolate Brown	Silt	Pronounced Slope	B	50	Damp	Good	Willows	Thin Moss Cover
1144488	23/07/2011	358276	6982279	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Old Burn	Sphagnum Moss > 30cm
1144491	23/07/2011	358128	6982228	UTMZ9N_NAD83	Grey	Sand	Flat	C	60	Dry	Excellent	No Tree Cover	Thin Moss Cover
1144492	23/07/2011	358079	6982210	UTMZ9N_NAD83	Reddish Orange	Sand	Flat	C	30	Dry	Good	Dwarf Birch	Thin Moss Cover
1145011	24/07/2011	355385	6980517	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	50	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1145464	26/07/2011	362877	6970838	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1145472	25/07/2011	362643	6972605	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Rock Cover
1152052	26/07/2011	363585	6973267	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	30	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1152127	27/07/2011	364158	6967857	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	50	Damp	Poor	Poplar	Leaf Cover
1152313	27/07/2011	368411	6969313	UTMZ9N_NAD83	Chocolate Brown	Silt	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1152404	27/07/2011	367256	6968573	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	40	Damp	Good	Willows	Grass Cover
1152452	25/07/2011	363094	6976546	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152493	26/07/2011	363739	6972852	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156075	24/07/2011	360465	6975678	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1156129	23/07/2011	355146	6983095	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss > 30cm
1156218	27/07/2011	366512	6967209	UTMZ9N_NAD83	Bluish Grey	Sand	Flat	B	40	Dry	Poor	Birch Forest	Sphagnum Moss < 30cm
1156258	26/07/2011	369697	6970858	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	50	Dry	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1156372	25/07/2011	364401	6977356	UTMZ9N_NAD83	Dark Olivine Green	Sand	Pronounced Slope	C	60	Damp	Good	Subalpine Fir	Reindeer Lichen
1157022	21/07/2011	354304	6979302	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1157093	22/07/2011	357421	6984091	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157095	22/07/2011	357350	6984016	UTMZ9N_NAD83	Reddish Orange	Sand	Subtle Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157229	21/07/2011	358616	6978931	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	60	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157341	24/07/2011	356744	6979006	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	70	Dry	Good	Old Burn	Burnt Moss
1157436	25/07/2011	363359	6977165	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1159010	23/07/2011	358433	6980574	UTMZ9N_NAD83	Light Brown	Clay	Pronounced Slope	B	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1159026	23/07/2011	356958	6980609	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	B	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1159073	24/07/2011	356454	6977943	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Poor	Dwarf Birch	Reindeer Lichen
1159084	24/07/2011	356358	6978440	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Wet	Good	Black Spruce	Sphagnum Moss > 30cm
1159128	26/07/2011	367896	6972151	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Grass Cover
1159160	24/07/2011	361551	6976196	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1159180	24/07/2011	360800	6975731	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	60	Damp	Excellent	Black Spruce	Sphagnum Moss < 30cm
1159201	26/07/2011	363286	6971421	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	30	Damp	Poor	No Tree Cover	Reindeer Lichen
1159223	24/07/2011	358495	6980114	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Dry	Poor	White Spruce	Thin Moss Cover
1159230	24/07/2011	358196	6980314	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Dry	Good	Dwarf Birch	Thin Moss Cover
1159258	24/07/2011	355972	6979177	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	50	Dry	Good	Old Burn	Burnt Moss
1159289	25/07/2011	360594	6973881	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	C	50	Wet	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1159300	25/07/2011	360411	6974341	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159312	25/07/2011	359476	6976371	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	No Tree Cover	Rock Cover
1053284	20/07/2011	362130	6967648	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	60	Damp	Good	Old Burn	Thin Moss Cover
1058764	21/07/2011	357091	6980028	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Texture	S_Terrain	S_Horizon	S_Depth	S_Moisture	S_Quality	S_Vegetation	Ground_Cover
1061645	21/07/2011	353743	6977797	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Reindeer Lichen
1061946	24/07/2011	360453	6976927	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Wet	Good	Dwarf Birch	Rock Cover
1144020	23/07/2011	358485	6981195	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	B	30	Dry	Good	White Spruce	Thin Moss Cover
1144278	23/07/2011	358617	6982463	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1144470	23/07/2011	358563	6981666	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Dry	Good	No Tree Cover	Rock Cover
1144482	23/07/2011	358574	6982224	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	30	Dry	Good	White Spruce	Burnt Moss
1152254	27/07/2011	364486	6969278	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Rock Cover
1152312	27/07/2011	368379	6969274	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss > 30cm
1156022	25/07/2011	361716	6972000	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	20	Damp	Poor	No Tree Cover	Reindeer Lichen
1156024	25/07/2011	361620	6972032	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156128	23/07/2011	355159	6983046	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	80	Damp	Good	Subalpine Fir	Sphagnum Moss > 30cm
1156318	26/07/2011	359803	6970346	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1156446	27/07/2011	367661	6968946	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1157141	25/07/2011	363884	6976731	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157160	21/07/2011	353983	6979718	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	90	Damp	Good	Subalpine Fir	Sphagnum Moss > 30cm
1157206	21/07/2011	358775	6979719	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1157330	23/07/2011	355935	6981084	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	80	Damp	Good	Old Burn	Sphagnum Moss < 30cm
1157441	25/07/2011	363576	6977281	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Excellent	White Spruce	Thin Moss Cover
1159381	26/07/2011	361264	6970444	UTMZ9N_NAD83	Grey	Sand	Flat	C	40	Damp	Good	Subalpine Fir	Bare Soil
1159057	23/07/2011	357146	6981202	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Old Burn	Thin Moss Cover
1159064	24/07/2011	356846	6977727	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	30	Damp	Poor	No Tree Cover	Grass Cover
1159129	26/07/2011	367934	6972116	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1159220	24/07/2011	358645	6980074	UTMZ9N_NAD83	Chocolate Brown	Silt	Subtle Slope	C	30	Dry	Good	White Spruce	Reindeer Lichen
1159253	24/07/2011	356221	6979162	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Dry	Good	Old Burn	Burnt Moss
1159317	25/07/2011	359608	6976116	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1159320	25/07/2011	359627	6976018	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	50	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1159364	25/07/2011	362655	6971640	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1159458	27/07/2011	367875	6968787	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1056008	20/07/2011	363180	6969065	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1058753	21/07/2011	358041	6979915	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1061883	20/07/2011	363053	6968802	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	60	Damp	Good	No Tree Cover	Thin Moss Cover
1062152	20/07/2011	360892	6968306	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	70	Wet	Poor	Subalpine Fir	Sphagnum Moss > 30cm
1144027	23/07/2011	358532	6980899	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Willows	Thin Moss Cover
1144059	22/07/2011	355648	6983833	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144080	23/07/2011	356029	6981978	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1144124	24/07/2011	357168	6977487	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	Dwarf Birch	Reindeer Lichen
1144465	22/07/2011	354858	6983842	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1144489	23/07/2011	358225	6982267	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	40	Damp	Poor	Willows	Thin Moss Cover
1144500	26/07/2011	363256	6971321	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	30	Dry	Excellent	No Tree Cover	Bare Soil
1145043	25/07/2011	362270	6971902	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1145473	25/07/2011	362663	6972653	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Thin Moss Cover
1152004	25/07/2011	362444	6977157	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	20	Damp	Excellent	No Tree Cover	Rock Cover
1152218	27/07/2011	365612	6968347	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	White Spruce	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Texture	S_Terrain	S_Horizon	S_Depth	S_Moisture	S_Quality	S_Vegetation	Ground_Cover
1152252	27/07/2011	364582	6969312	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1152411	27/07/2011	367033	6968301	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Willows	Thin Moss Cover
1156146	24/07/2011	359106	6978031	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156040	25/07/2011	361111	6972591	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1156044	25/07/2011	360849	6972991	UTMZ9N_NAD83	Grey	Sand	Flat	B	50	Wet	Poor	Subalpine Fir	Thin Moss Cover
1156109	24/07/2011	358425	6978205	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156211	27/07/2011	366197	6967384	UTMZ9N_NAD83	Dark Grey Black	Clay	Flat	B	70	Damp	Poor	White Spruce	Sphagnum Moss > 30cm
1156414	26/07/2011	368391	6971175	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1156444	27/07/2011	367571	6968900	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	30	Wet	Good	No Tree Cover	Sphagnum Moss < 30cm
1157104	21/07/2011	358289	6979887	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1157226	21/07/2011	358744	6979013	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	40	Wet	Poor	White Spruce	Sphagnum Moss < 30cm
1159011	23/07/2011	357337	6981193	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	40	Damp	Good	White Spruce	Thin Moss Cover
1159217	24/07/2011	358791	6980112	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Dry	Good	Dwarf Birch	Sphagnum Moss < 30cm
1159247	25/07/2011	362501	6972389	UTMZ9N_NAD83	Chocolate Brown	Clay	Flat	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1159261	24/07/2011	355833	6979237	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Dry	Good	Old Burn	Burnt Moss
1159313	25/07/2011	359521	6976349	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1159393	26/07/2011	361756	6970106	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	Old Burn	Thin Moss Cover
1159410	27/07/2011	367148	6968885	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	10	Damp	Excellent	No Tree Cover	Bare Soil
1159459	27/07/2011	367923	6968772	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1053277	20/07/2011	362162	6968008	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	C	70	Damp	Poor	Old Burn	Thin Moss Cover
1061628	20/07/2011	360850	6967717	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	Old Burn	Thin Moss Cover
1061919	22/07/2011	357000	6982657	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Rock Cover
1062151	20/07/2011	360933	6968336	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	70	Damp	Poor	Subalpine Fir	Sphagnum Moss > 30cm
1144061	22/07/2011	355584	6983756	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144072	23/07/2011	356153	6982286	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1144308	21/07/2011	352815	6978550	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1144323	21/07/2011	352978	6979150	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	90	Damp	Excellent	Black Spruce	Reindeer Lichen
1144456	22/07/2011	355241	6984078	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	30	Dry	Poor	Dwarf Birch	Thin Moss Cover
1145048	25/07/2011	362459	6971740	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1145475	25/07/2011	362700	6972752	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1152039	26/07/2011	368433	6970379	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152049	26/07/2011	369085	6970570	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152066	27/07/2011	369160	6969593	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152270	27/07/2011	363817	6969037	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Rock Cover
1152304	27/07/2011	367997	6969163	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1152308	27/07/2011	368184	6969236	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1156364	25/07/2011	364007	6977441	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1156026	25/07/2011	361530	6972078	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156072	24/07/2011	360401	6975812	UTMZ9N_NAD83	Chocolate Brown	Silt	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156073	24/07/2011	360424	6975768	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156086	25/07/2011	363044	6977055	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1156118	24/07/2011	358071	6978485	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	60	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1156326	26/07/2011	359608	6970053	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1156402	25/07/2011	364354	6976601	UTMZ9N_NAD83	Dark Grey Black	Silt	Subtle Slope	B	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156427	26/07/2011	369023	6971129	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1157026	21/07/2011	354389	6979483	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157028	21/07/2011	354408	6979581	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	60	Wet	Poor	Subalpine Fir	Sphagnum Moss > 30cm
1157122	22/07/2011	357893	6983051	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	20	Dry	Good	Subalpine Fir	Rock Cover
1157191	22/07/2011	356239	6982260	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Dry	Good	Old Burn	Burnt Moss
1157348	24/07/2011	356435	6979021	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	70	Dry	Good	Old Burn	Sphagnum Moss < 30cm
1157482	23/07/2011	355639	6983007	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159028	23/07/2011	356940	6980511	UTMZ9N_NAD83	Yellow	Clay	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1159403	27/07/2011	366814	6968998	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1159488	27/07/2011	366165	6969359	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	20	Damp	Good	No Tree Cover	Thin Moss Cover
1057996	26/07/2011	369182	6970592	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Dry	Good	Subalpine Fir	Sphagnum Moss < 30cm
1059537	20/07/2011	362084	6968737	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	20	Damp	Good	Subalpine Fir	Thin Moss Cover
1144071	23/07/2011	356199	6982306	UTMZ9N_NAD83	Reddish Yellow	Sand	Flat	C	30	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1144106	22/07/2011	355381	6981846	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Poor	Dwarf Birch	Reindeer Lichen
1144170	21/07/2011	352762	6977628	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1144329	21/07/2011	353202	6979346	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	C	40	Wet	Good	Willows	Sphagnum Moss > 30cm
1145037	25/07/2011	362025	6972062	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Grass Cover
1145456	26/07/2011	363168	6971025	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1152029	26/07/2011	367941	6970455	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	50	Damp	Good	No Tree Cover	Grass Cover
1152051	26/07/2011	363588	6973217	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152065	27/07/2011	369111	6969582	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Leaf Cover
1152209	27/07/2011	365189	6968470	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Poor	White Spruce	Thin Moss Cover
1152492	26/07/2011	363769	6972812	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1156005	24/07/2011	359076	6981085	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1156117	24/07/2011	358097	6978443	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	70	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1156276	26/07/2011	370207	6971003	UTMZ9N_NAD83	Light Bluish Grey	Clay	Flat	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1156319	26/07/2011	359780	6970298	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Damp	Good	White Spruce	Thin Moss Cover
1156415	26/07/2011	368441	6971185	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1156419	26/07/2011	368634	6971171	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1157109	21/07/2011	357794	6979953	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1157089	22/07/2011	357579	6984229	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Bare Soil
1157142	25/07/2011	363933	6976737	UTMZ9N_NAD83	Light Brown	Silt	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157314	23/07/2011	356687	6981009	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Poor	Old Burn	Burnt Moss
1157328	23/07/2011	356031	6981051	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Excellent	Old Burn	Sphagnum Moss < 30cm
1157434	25/07/2011	363312	6977077	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1157499	24/07/2011	358865	6978111	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1159083	24/07/2011	356364	6978390	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	50	Wet	Good	Black Spruce	Sphagnum Moss < 30cm
1159104	25/07/2011	364046	6977610	UTMZ9N_NAD83	Grey	Sand	Steep	C	60	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159278	25/07/2011	360766	6973352	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1159301	25/07/2011	359049	6976709	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Poor	Subalpine Fir	Reindeer Lichen
1159408	27/07/2011	367049	6968910	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	10	Damp	Good	No Tree Cover	Rock Cover
1159456	27/07/2011	367777	6968815	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	White Spruce	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1159461	27/07/2011	368018	6968731	UTMZ9N_NAD83	Light Brown	Clay	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1159464	27/07/2011	368112	6968690	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1159489	27/07/2011	366207	6969332	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	20	Damp	Good	No Tree Cover	Thin Moss Cover
1053273	20/07/2011	362176	6968216	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	40	Damp	Good	Old Burn	Thin Moss Cover
1053289	20/07/2011	362033	6967351	UTMZ9N_NAD83	Dark Grey Black	Clay	Flat	B	60	Damp	Good	Old Burn	Leaf Cover
1061635	21/07/2011	353589	6977309	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Poor	No Tree Cover	Reindeer Lichen
1061923	23/07/2011	356581	6982532	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1144077	23/07/2011	356060	6982074	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	50	Dry	Excellent	Dwarf Birch	Thin Moss Cover
1144089	23/07/2011	355825	6981587	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	B	60	Damp	Poor	Old Burn	Thin Moss Cover
1144241	22/07/2011	354663	6981812	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Old Burn	Burnt Moss
1145079	27/07/2011	364807	6967149	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1145019	24/07/2011	355080	6980684	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Dry	Good	Dwarf Birch	Sphagnum Moss < 30cm
1145060	27/07/2011	364759	6968130	UTMZ9N_NAD83	Reddish Brown	Clay	Subtle Slope	C	60	Damp	Good	Subalpine Fir	Thin Moss Cover
1152075	27/07/2011	369588	6969518	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	40	Damp	Excellent	White Spruce	Thin Moss Cover
1156053	24/07/2011	360280	6976636	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1156060	24/07/2011	360367	6976356	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1156179	26/07/2011	362197	6970621	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	50	Damp	Good	Willows	Thin Moss Cover
1156254	26/07/2011	369550	6970731	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156261	26/07/2011	369808	6970963	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1156331	26/07/2011	359435	6969869	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Damp	Good	Old Burn	Burnt Moss
1156374	25/07/2011	364500	6977339	UTMZ9N_NAD83	Bluish Grey	Sand	Flat	C	70	Dry	Excellent	Subalpine Fir	Reindeer Lichen
1156377	25/07/2011	364599	6977319	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Rock Cover
1157371	22/07/2011	359015	6985112	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Bare Soil
1157001	21/07/2011	354134	6978385	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	80	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157249	22/07/2011	358625	6983885	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	No Tree Cover	Thin Moss Cover
1157305	22/07/2011	356371	6981687	UTMZ9N_NAD83	Reddish Yellow	Sand	Steep	C	60	Damp	Good	Old Burn	Burnt Moss
1157329	23/07/2011	355983	6981067	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Sphagnum Moss < 30cm
1157393	23/07/2011	356597	6982276	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1157447	25/07/2011	363861	6977359	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159017	23/07/2011	357135	6980965	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	B	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1159041	24/07/2011	360390	6977094	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	50	Damp	Good	No Tree Cover	Reindeer Lichen
1159105	25/07/2011	364059	6977660	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Thin Moss Cover
1159222	24/07/2011	358540	6980087	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	30	Dry	Excellent	White Spruce	Thin Moss Cover
1159256	24/07/2011	356069	6979160	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	70	Dry	Good	Old Burn	Burnt Moss
1159298	25/07/2011	360438	6974245	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	60	Damp	Good	Subalpine Fir	Reindeer Lichen
1159322	25/07/2011	359636	6975918	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	Dwarf Birch	Sphagnum Moss < 30cm
1159389	26/07/2011	361570	6970183	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	30	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1159460	27/07/2011	367970	6968753	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1159498	27/07/2011	366594	6969140	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1053276	20/07/2011	362167	6968059	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	60	Damp	Poor	Old Burn	Thin Moss Cover
1060845	20/07/2011	363106	6967490	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	90	Damp	Good	Old Burn	Burnt Moss
1061921	22/07/2011	356902	6982672	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1144013	22/07/2011	356558	6983582	UTMZ9N_NAD83	Light Brown	Clay	Pronounced Slope	C	70	Damp	Good	White Spruce	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1144052	22/07/2011	355894	6983996	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144076	23/07/2011	356066	6982124	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	60	Damp	Good	Dwarf Birch	Thin Moss Cover
1144343	22/07/2011	355662	6982423	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Poor	No Tree Cover	Reindeer Lichen
1144459	22/07/2011	355094	6984026	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1145455	26/07/2011	363188	6971073	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1152014	25/07/2011	362242	6976766	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	60	Damp	Excellent	No Tree Cover	Frost Boil
1152038	26/07/2011	368382	6970378	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1152361	26/07/2011	359669	6971193	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	20	Damp	Excellent	No Tree Cover	Reindeer Lichen
1152402	27/07/2011	367309	6968659	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	30	Damp	Good	No Tree Cover	Bare Soil
1152433	27/07/2011	366688	6967344	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	100	Damp	Poor	Poplar	Leaf Cover
1156004	24/07/2011	359072	6981136	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156017	24/07/2011	359339	6980759	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1156155	26/07/2011	361932	6971721	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156328	26/07/2011	359545	6969975	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Burnt Moss
1156329	26/07/2011	359507	6969940	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Damp	Good	Old Burn	Burnt Moss
1156413	26/07/2011	368341	6971174	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Rock Cover
1156432	26/07/2011	369187	6971219	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1157364	22/07/2011	358921	6984903	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Thin Moss Cover
1157366	22/07/2011	358925	6985003	UTMZ9N_NAD83	Reddish Yellow	Sand	Flat	C	20	Dry	Good	No Tree Cover	Bare Soil
1157040	22/07/2011	356211	6984424	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1157135	22/07/2011	357198	6982672	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	20	Damp	Poor	No Tree Cover	Reindeer Lichen
1157179	22/07/2011	355695	6982551	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Old Burn	Burnt Moss
1157231	21/07/2011	358530	6978881	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	50	Damp	Good	White Spruce	Thin Moss Cover
1157336	23/07/2011	355638	6981116	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	70	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1157487	23/07/2011	355623	6983259	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	30	Damp	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1157495	23/07/2011	355208	6982850	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	60	Damp	Good	Subalpine Fir	Thin Moss Cover
1159297	25/07/2011	360438	6974245	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	60	Damp	Good	Subalpine Fir	Reindeer Lichen
1159309	25/07/2011	359345	6976445	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	10	Damp	Good	No Tree Cover	Rock Cover
1159387	26/07/2011	361494	6970249	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1159451	27/07/2011	367535	6968822	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1004195	20/07/2011	363574	6969007	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	10	Damp	Excellent	No Tree Cover	Rock Cover
1061642	21/07/2011	353721	6977645	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	20	Damp	Poor	No Tree Cover	Reindeer Lichen
1061949	24/07/2011	360367	6976805	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1144016	23/07/2011	358485	6981446	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Grass Cover
1144033	23/07/2011	357680	6981056	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	40	Damp	Good	Willows	Grass Cover
1144157	21/07/2011	353255	6977358	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	60	Dry	Good	Dwarf Birch	Reindeer Lichen
1144478	23/07/2011	358619	6982021	UTMZ9N_NAD83	Grey	Sand	Flat	C	40	Damp	Excellent	White Spruce	Thin Moss Cover
1145074	27/07/2011	364811	6967409	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	30	Damp	Poor	Dwarf Birch	Thin Moss Cover
1145030	24/07/2011	354574	6980823	UTMZ9N_NAD83	Dark Olivine Green	Sand	Pronounced Slope	C	70	Damp	Good	Dwarf Birch	Leaf Cover
1145050	25/07/2011	362502	6971716	UTMZ9N_NAD83	Grey	Sand	Flat	B	60	Wet	Poor	No Tree Cover	Grass Cover
1145065	27/07/2011	364759	6967871	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	70	Damp	Excellent	Willows	Thin Moss Cover
1145454	26/07/2011	363204	6971122	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	40	Damp	Excellent	No Tree Cover	Reindeer Lichen
1145469	26/07/2011	362714	6970641	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Reindeer Lichen

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1152062	27/07/2011	368966	6969543	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152073	27/07/2011	369499	6969565	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152079	27/07/2011	369743	6969402	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Wet	Good	White Spruce	Thin Moss Cover
1152320	27/07/2011	368728	6969428	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1152399	27/07/2011	366072	6969476	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1152454	25/07/2011	363063	6976452	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	B	80	Damp	Good	Dwarf Birch	Bare Soil
1156019	24/07/2011	359372	6980665	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1156036	25/07/2011	361226	6972422	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Poor	No Tree Cover	Reindeer Lichen
1156100	25/07/2011	363616	6976696	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1156188	27/07/2011	365913	6968312	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156194	27/07/2011	366126	6968228	UTMZ9N_NAD83	Chocolate Brown	Silt	Steep	B	40	Damp	Poor	Subalpine Fir	Thin Moss Cover
1156341	27/07/2011	364776	6969240	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Wet	Good	No Tree Cover	Reindeer Lichen
1156379	25/07/2011	364702	6977306	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	B	40	Wet	Good	Subalpine Fir	Reindeer Lichen
1156429	26/07/2011	369072	6971134	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1157034	22/07/2011	356267	6984713	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	30	Damp	Good	Subalpine Fir	Rock Cover
1157155	21/07/2011	353737	6979651	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157312	23/07/2011	356779	6981052	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Poor	Old Burn	Burnt Moss
1157313	23/07/2011	356735	6981027	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Burnt Moss
1157315	23/07/2011	356637	6981004	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	50	Damp	Good	Old Burn	Burnt Moss
1157404	24/07/2011	361924	6977873	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Rock Cover
1157410	24/07/2011	361634	6977904	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	20	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157463	22/07/2011	357285	6982497	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	50	Damp	Good	No Tree Cover	Thin Moss Cover
1157468	22/07/2011	357256	6982247	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	90	Damp	Good	Dwarf Birch	Thin Moss Cover
1159365	25/07/2011	362605	6971650	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	20	Damp	Good	No Tree Cover	Bare Soil
1159452	27/07/2011	367583	6968838	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1159462	27/07/2011	368063	6968705	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	60	Damp	Good	Subalpine Fir	Reindeer Lichen
1058759	21/07/2011	357494	6979978	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	B	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1144048	24/07/2011	362125	6977670	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	30	Damp	Good	No Tree Cover	Rock Cover
1144057	22/07/2011	355717	6983906	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144062	22/07/2011	355563	6983712	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144110	22/07/2011	355266	6981679	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1144141	23/07/2011	357744	6981303	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1144147	23/07/2011	357497	6981254	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	30	Damp	Poor	Dwarf Birch	Rock Cover
1144184	22/07/2011	356127	6984652	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Reindeer Lichen
1144370	23/07/2011	358971	6980842	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	White Spruce	Thin Moss Cover
1144410	21/07/2011	357974	6979566	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1144460	22/07/2011	355047	6984003	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Poor	Dwarf Birch	Thin Moss Cover
1144483	23/07/2011	358535	6982259	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	C	30	Damp	Poor	No Tree Cover	Thin Moss Cover
1144484	23/07/2011	358486	6982277	UTMZ9N_NAD83	Reddish Brown	Sand	Flat	C	20	Dry	Poor	No Tree Cover	Thin Moss Cover
1152257	27/07/2011	364342	6969221	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Rock Cover
1152392	26/07/2011	368939	6970534	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1156081	24/07/2011	360568	6975461	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156106	24/07/2011	358566	6978148	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Excellent	Subalpine Fir	Reindeer Lichen

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1156430	26/07/2011	369122	6971141	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156440	27/07/2011	367422	6968872	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156447	27/07/2011	367708	6968964	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1157378	23/07/2011	357256	6981492	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	30	Damp	Good	Old Burn	Thin Moss Cover
1157153	21/07/2011	353637	6979633	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Wet	Good	Subalpine Fir	Sphagnum Moss > 30cm
1157224	21/07/2011	358833	6979062	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	40	Wet	Poor	White Spruce	Sphagnum Moss < 30cm
1157327	23/07/2011	356082	6981047	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	70	Damp	Good	Old Burn	Burnt Moss
1157400	23/07/2011	356811	6982007	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	40	Dry	Good	Dwarf Birch	Thin Moss Cover
1157417	24/07/2011	361284	6977837	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Dry	Good	No Tree Cover	Rock Cover
1157496	23/07/2011	355202	6982901	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159020	23/07/2011	357058	6980840	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	60	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1159065	24/07/2011	356806	6977759	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	B	30	Damp	Poor	No Tree Cover	Leaf Cover
1159133	26/07/2011	368131	6972047	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Bare Soil
1159255	24/07/2011	356120	6979167	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Dry	Good	Old Burn	Burnt Moss
1159352	25/07/2011	362825	6971204	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1159399	26/07/2011	361989	6970017	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	50	Damp	Excellent	Old Burn	Thin Moss Cover
1060844	20/07/2011	363097	6967541	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	80	Damp	Good	Old Burn	Burnt Moss
1060846	20/07/2011	363139	6967451	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	70	Damp	Good	Old Burn	Burnt Moss
1061612	20/07/2011	361404	6968230	UTMZ9N_NAD83	Reddish Yellow	Sand	Flat	B	40	Damp	Good	Old Burn	Thin Moss Cover
1144204	21/07/2011	353714	6978240	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	A	20	Damp	Good	No Tree Cover	Reindeer Lichen
1144055	22/07/2011	355795	6983968	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144201	21/07/2011	353767	6978096	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	A	30	Damp	Good	No Tree Cover	Reindeer Lichen
1144327	21/07/2011	353142	6979264	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	C	50	Damp	Excellent	Willows	Leaf Cover
1144337	24/07/2011	356969	6977636	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Poor	No Tree Cover	Reindeer Lichen
1144362	22/07/2011	358802	6984394	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	20	Damp	Good	No Tree Cover	Thin Moss Cover
1144441	22/07/2011	358032	6984500	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Bare Soil
1144497	23/07/2011	357837	6982146	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	40	Damp	Good	Willows	Thin Moss Cover
1144499	26/07/2011	363269	6971372	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1145078	27/07/2011	364809	6967202	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	60	Damp	Good	Birch Forest	Thin Moss Cover
1152015	25/07/2011	362211	6976725	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1152035	26/07/2011	368229	6970374	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1152359	26/07/2011	359569	6971176	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1152374	26/07/2011	360293	6971006	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	30	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1152403	27/07/2011	367282	6968616	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	30	Damp	Good	No Tree Cover	Bare Soil
1152488	26/07/2011	363937	6972703	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1152497	26/07/2011	363630	6973023	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1156018	24/07/2011	359355	6980711	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1156033	25/07/2011	361291	6972342	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	50	Damp	Good	No Tree Cover	Thin Moss Cover
1156097	25/07/2011	363523	6976792	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1156149	24/07/2011	358963	6978089	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156153	25/07/2011	361088	6972605	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1156161	26/07/2011	362024	6971483	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	50	Damp	Good	No Tree Cover	Reindeer Lichen
1156187	27/07/2011	365812	6968306	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1156252	26/07/2011	369460	6970689	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1156316	26/07/2011	359848	6970438	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1156322	26/07/2011	359739	6970209	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Damp	Good	White Spruce	Thin Moss Cover
1157038	22/07/2011	356207	6984526	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	30	Damp	Good	Subalpine Fir	Rock Cover
1157246	22/07/2011	358603	6983734	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Thin Moss Cover
1159044	24/07/2011	360278	6977189	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	60	Damp	Good	White Spruce	Reindeer Lichen
1159218	24/07/2011	358744	6980089	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1159227	24/07/2011	358331	6980241	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1159331	25/07/2011	359717	6975522	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	60	Damp	Excellent	Black Spruce	Reindeer Lichen
1159454	27/07/2011	367681	6968850	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1058770	25/07/2011	361989	6976528	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	20	Damp	Good	Subalpine Fir	Thin Moss Cover
1144036	23/07/2011	357683	6980907	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Good	Willows	Thin Moss Cover
1144107	22/07/2011	355352	6981802	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1144238	22/07/2011	354698	6981959	UTMZ9N_NAD83	Reddish Yellow	Sand	Flat	B	40	Damp	Good	Willows	Thin Moss Cover
1144267	23/07/2011	359007	6982863	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1144338	22/07/2011	355447	6982552	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	30	Damp	Poor	No Tree Cover	Reindeer Lichen
1145491	25/07/2011	362739	6973489	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	80	Wet	Excellent	White Spruce	Sphagnum Moss < 30cm
1152059	27/07/2011	368832	6969476	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152256	27/07/2011	364388	6969245	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Rock Cover
1156051	24/07/2011	360303	6976731	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1156066	24/07/2011	360410	6976111	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1156092	25/07/2011	363315	6976929	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156163	26/07/2011	362067	6971392	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156165	26/07/2011	362099	6971303	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156210	27/07/2011	366160	6967420	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	80	Damp	Good	Birch Forest	Leaf Cover
1156346	27/07/2011	364839	6968993	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	B	40	Damp	Excellent	No Tree Cover	Rock Cover
1157072	21/07/2011	355924	6979735	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	C	40	Damp	Good	Willows	Bare Soil
1159019	23/07/2011	357080	6980883	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1159060	24/07/2011	357261	6977366	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1159221	24/07/2011	358593	6980080	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	30	Dry	Good	White Spruce	Thin Moss Cover
1159264	24/07/2011	355684	6979275	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	80	Dry	Good	Old Burn	Burnt Moss
1159306	25/07/2011	359220	6976531	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1159334	25/07/2011	359737	6975423	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	70	Damp	Poor	Black Spruce	Reindeer Lichen
1159405	27/07/2011	366913	6968973	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Rock Cover
1060842	20/07/2011	363109	6967643	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	90	Damp	Good	Willows	Burnt Moss
1144026	23/07/2011	358529	6980950	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	40	Damp	Good	Willows	Thin Moss Cover
1144122	24/07/2011	357132	6977522	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Poor	No Tree Cover	Reindeer Lichen
1144167	21/07/2011	352823	6977545	UTMZ9N_NAD83	Chocolate Brown	Silt	Subtle Slope	C	50	Damp	Good	White Spruce	Thin Moss Cover
1144169	21/07/2011	352799	6977592	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	20	Damp	Poor	White Spruce	Thin Moss Cover
1144273	23/07/2011	358813	6982626	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1144277	23/07/2011	358657	6982495	UTMZ9N_NAD83	Grey	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1144326	21/07/2011	353106	6979230	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	C	40	Damp	Good	Willows	Leaf Cover
1144355	22/07/2011	358781	6984080	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Excellent	No Tree Cover	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1145499	27/07/2011	364826	6968591	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1145453	26/07/2011	363218	6971171	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	C	40	Damp	Excellent	No Tree Cover	Reindeer Lichen
1145487	25/07/2011	362691	6973288	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1152118	27/07/2011	363932	6968221	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152071	27/07/2011	369408	6969607	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152081	27/07/2011	369795	6969325	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	70	Wet	Good	White Spruce	Leaf Cover
1152105	27/07/2011	363708	6968788	UTMZ9N_NAD83	Dark Brown	Sand	Steep	B	30	Damp	Good	No Tree Cover	Rock Cover
1156038	25/07/2011	361162	6972502	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1156046	25/07/2011	360881	6972892	UTMZ9N_NAD83	Grey	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156157	26/07/2011	361964	6971625	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1156175	26/07/2011	362131	6970808	UTMZ9N_NAD83	Grey	Sand	Flat	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156420	26/07/2011	368683	6971165	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1157027	21/07/2011	354399	6979532	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1157094	22/07/2011	357381	6984057	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	White Spruce	Rock Cover
1157408	24/07/2011	361735	6977922	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Reindeer Lichen
1157420	24/07/2011	361216	6977759	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Dry	Excellent	No Tree Cover	Reindeer Lichen
1159382	26/07/2011	361302	6970411	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1159161	24/07/2011	361501	6976205	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1159163	24/07/2011	361400	6976206	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	20	Damp	Good	Subalpine Fir	Reindeer Lichen
1159251	24/07/2011	356314	6979116	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	60	Dry	Good	Old Burn	Burnt Moss
1159260	24/07/2011	355881	6979223	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	70	Damp	Poor	Old Burn	Burnt Moss
1159287	25/07/2011	360635	6973788	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	C	70	Wet	Poor	Subalpine Fir	Sphagnum Moss > 30cm
1159303	25/07/2011	359119	6976637	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1159314	25/07/2011	359542	6976304	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1159351	25/07/2011	362828	6971152	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1058752	21/07/2011	358089	6979900	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	C	50	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1061608	20/07/2011	361509	6968405	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Poor	Willows	Thin Moss Cover
1061611	20/07/2011	361436	6968272	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144149	23/07/2011	357395	6981247	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1144156	21/07/2011	353307	6977359	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1144236	22/07/2011	354743	6982049	UTMZ9N_NAD83	Reddish Yellow	Sand	Steep	B	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1144299	24/07/2011	359095	6981388	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1144341	22/07/2011	355577	6982477	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1144404	21/07/2011	358200	6979747	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1145044	25/07/2011	362305	6971866	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Thin Moss Cover
1145457	26/07/2011	363148	6970976	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	50	Damp	Excellent	No Tree Cover	Reindeer Lichen
1152018	25/07/2011	362116	6976613	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	20	Damp	Good	Subalpine Fir	Reindeer Lichen
1152040	26/07/2011	368484	6970384	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Damp	Good	Subalpine Fir	Thin Moss Cover
1156214	27/07/2011	366337	6967315	UTMZ9N_NAD83	Dark Grey Black	Clay	Flat	B	50	Damp	Poor	Black Spruce	Grass Cover
1156448	27/07/2011	367752	6968988	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1157106	21/07/2011	358140	6979894	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1157013	21/07/2011	354131	6978996	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	40	Wet	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1157048	22/07/2011	356082	6984065	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Dwarf Birch	Rock Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1157073	21/07/2011	355874	6979730	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	40	Damp	Good	Willows	Sphagnum Moss < 30cm
1157171	21/07/2011	354323	6980077	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	80	Dry	Excellent	White Spruce	Reindeer Lichen
1157200	22/07/2011	356348	6981928	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	60	Damp	Poor	Old Burn	Burnt Moss
1157304	22/07/2011	356387	6981736	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	60	Damp	Good	Old Burn	Burnt Moss
1157322	23/07/2011	356284	6981057	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Burnt Moss
1157407	24/07/2011	361785	6977923	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	White Spruce	Reindeer Lichen
1159254	24/07/2011	356171	6979159	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Dry	Good	Old Burn	Burnt Moss
1159286	25/07/2011	360662	6973742	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Poor	Subalpine Fir	Sphagnum Moss > 30cm
1159319	25/07/2011	359619	6976067	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1159400	26/07/2011	362035	6969999	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Excellent	Old Burn	Sphagnum Moss < 30cm
1056009	20/07/2011	363133	6969045	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	30	Wet	Good	No Tree Cover	Rock Cover
1058765	22/07/2011	358307	6983199	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Thin Moss Cover
1062166	20/07/2011	361261	6968567	UTMZ9N_NAD83	Reddish Yellow	Clay	Flat	C	40	Damp	Good	Old Burn	Thin Moss Cover
1144206	21/07/2011	353675	6978335	UTMZ9N_NAD83	Chocolate Brown	Clay	Steep	B	30	Damp	Good	No Tree Cover	Reindeer Lichen
1144419	21/07/2011	357647	6979353	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	60	Damp	Good	Subalpine Fir	Reindeer Lichen
1144050	24/07/2011	362081	6977763	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Thin Moss Cover
1144056	22/07/2011	355750	6983944	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144112	22/07/2011	355215	6981592	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	80	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1144317	21/07/2011	352859	6978955	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1144447	22/07/2011	358273	6984651	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1152007	25/07/2011	362412	6977063	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	30	Damp	Excellent	No Tree Cover	Bare Soil
1152372	26/07/2011	360203	6971052	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1156144	24/07/2011	359202	6978038	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156421	26/07/2011	368727	6971143	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	Dwarf Birch	Rock Cover
1156438	27/07/2011	367323	6968856	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1157069	21/07/2011	356141	6979850	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	40	Wet	Good	Black Spruce	Sphagnum Moss < 30cm
1157162	21/07/2011	354063	6979780	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	60	Wet	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1157219	21/07/2011	359043	6979207	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	A	40	Damp	Poor	White Spruce	Sphagnum Moss > 30cm
1157230	21/07/2011	358570	6978910	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157354	22/07/2011	358602	6984592	UTMZ9N_NAD83	Light Brown	Silt	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1159034	24/07/2011	360604	6977225	UTMZ9N_NAD83	Chocolate Brown	Silt	Subtle Slope	B	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1159038	24/07/2011	360486	6977145	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1159081	24/07/2011	356390	6978291	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	70	Damp	Poor	Dwarf Birch	Sphagnum Moss > 30cm
1159202	24/07/2011	359337	6980581	UTMZ9N_NAD83	Grey	Sand	Flat	C	40	Dry	Excellent	Dwarf Birch	Sphagnum Moss < 30cm
1159269	24/07/2011	355481	6979284	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Dry	Good	Willows	Thin Moss Cover
1159280	25/07/2011	360760	6973457	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Wet	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1159333	25/07/2011	359732	6975473	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Damp	Good	Black Spruce	Reindeer Lichen
1159493	27/07/2011	366386	6969264	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Bare Soil
1061623	20/07/2011	361013	6967912	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Old Burn	Thin Moss Cover
1061632	20/07/2011	360722	6967556	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	80	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1061917	22/07/2011	357100	6982658	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	20	Damp	Poor	No Tree Cover	Reindeer Lichen
1061920	22/07/2011	356951	6982661	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1144097	23/07/2011	355592	6981346	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	90	Damp	Good	Dwarf Birch	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1144153	21/07/2011	353463	6977346	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1144331	21/07/2011	353269	6979419	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Damp	Good	Willows	Leaf Cover
1144335	24/07/2011	357051	6977584	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	20	Damp	Good	No Tree Cover	Reindeer Lichen
1144434	21/07/2011	357007	6979003	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	60	Damp	Excellent	White Spruce	Reindeer Lichen
1152217	27/07/2011	365662	6968333	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1152219	27/07/2011	365562	6968353	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	White Spruce	Thin Moss Cover
1152397	27/07/2011	366033	6969566	UTMZ9N_NAD83	Dark Brown	Silt	Subtle Slope	B	30	Damp	Poor	No Tree Cover	Grass Cover
1156021	25/07/2011	361766	6971989	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Rock Cover
1156277	26/07/2011	370258	6971007	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Rock Cover
1156302	25/07/2011	360363	6974433	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	100	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156353	24/07/2011	359875	6977358	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1156416	26/07/2011	368490	6971191	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156445	27/07/2011	367617	6968921	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1157108	21/07/2011	357891	6979944	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1157223	21/07/2011	358879	6979086	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	50	Dry	Excellent	White Spruce	Thin Moss Cover
1157311	23/07/2011	356815	6981088	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Burnt Moss
1157405	24/07/2011	361873	6977872	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Rock Cover
1157478	23/07/2011	355617	6982806	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1157481	23/07/2011	355630	6982957	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159046	24/07/2011	360188	6977241	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	White Spruce	Reindeer Lichen
1159257	24/07/2011	356018	6979154	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	60	Dry	Good	Old Burn	Burnt Moss
1159275	25/07/2011	360795	6973202	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159279	25/07/2011	360768	6973406	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159311	25/07/2011	359430	6976389	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	20	Damp	Good	No Tree Cover	Reindeer Lichen
1159404	27/07/2011	366865	6968989	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1159495	27/07/2011	366481	6969233	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	40	Wet	Good	No Tree Cover	Frost Boil
1004193	20/07/2011	363667	6968971	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	20	Damp	Good	No Tree Cover	Reindeer Lichen
1057994	25/07/2011	365197	6976960	UTMZ9N_NAD83	Bluish Grey	Clay	Pronounced Slope	C	80	Damp	Good	Subalpine Fir	Sphagnum Moss > 30cm
1061618	20/07/2011	361198	6968076	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	50	Wet	Good	Willows	Burnt Moss
1062155	20/07/2011	360763	6968230	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	90	Damp	Good	Subalpine Fir	Sphagnum Moss > 30cm
1087887	27/07/2011	370107	6969001	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	40	Damp	Good	Willows	Leaf Cover
1144003	22/07/2011	357018	6983797	UTMZ9N_NAD83	Reddish Orange	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1144005	22/07/2011	356983	6983759	UTMZ9N_NAD83	Reddish Orange	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1144082	23/07/2011	355992	6981884	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Old Burn	Thin Moss Cover
1144101	22/07/2011	355454	6982087	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Poor	Dwarf Birch	Reindeer Lichen
1144279	23/07/2011	358577	6982433	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1144309	21/07/2011	352805	6978599	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Excellent	Willows	Sphagnum Moss < 30cm
1152042	26/07/2011	368573	6970427	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152084	27/07/2011	369896	6969215	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	60	Damp	Good	Willows	Thin Moss Cover
1152487	26/07/2011	363985	6972687	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1156062	24/07/2011	360396	6976261	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1156133	23/07/2011	355096	6983293	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156189	27/07/2011	365863	6968304	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1156199	27/07/2011	366166	6967976	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157473	22/07/2011	357264	6981996	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1157483	23/07/2011	355648	6983058	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159122	26/07/2011	367549	6972216	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1159132	26/07/2011	368081	6972060	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Bare Soil
1159274	25/07/2011	360803	6973151	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	80	Wet	Poor	Subalpine Fir	Sphagnum Moss > 30cm
1056017	20/07/2011	362776	6968850	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	30	Damp	Excellent	No Tree Cover	Leaf Cover
1059543	20/07/2011	361782	6968725	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1061916	22/07/2011	357150	6982657	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	10	Dry	Poor	Dwarf Birch	Rock Cover
1144348	22/07/2011	355542	6982206	UTMZ9N_NAD83	Reddish Brown	Sand	Flat	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1144446	22/07/2011	358223	6984657	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1144461	22/07/2011	354967	6983937	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1145038	25/07/2011	362073	6972046	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Damp	Excellent	No Tree Cover	Thin Moss Cover
1145463	26/07/2011	362923	6970861	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	C	20	Damp	Good	No Tree Cover	Thin Moss Cover
1152057	26/07/2011	363449	6973468	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	30	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1152086	27/07/2011	369966	6969143	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	White Spruce	Reindeer Lichen
1152470	25/07/2011	362711	6975757	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Excellent	White Spruce	Reindeer Lichen
1156016	24/07/2011	359301	6980792	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Damp	Poor	Subalpine Fir	Thin Moss Cover
1156023	25/07/2011	361668	6972016	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	40	Damp	Poor	No Tree Cover	Rock Cover
1156131	23/07/2011	355126	6983196	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss > 30cm
1156301	25/07/2011	360390	6974388	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156317	26/07/2011	359826	6970392	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Damp	Good	White Spruce	Grass Cover
1156369	25/07/2011	364251	6977371	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157342	24/07/2011	356693	6979008	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	80	Dry	Good	Old Burn	Sphagnum Moss < 30cm
1157403	24/07/2011	361975	6977863	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Poor	No Tree Cover	Thin Moss Cover
1159074	24/07/2011	356432	6977990	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	C	40	Damp	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1159134	26/07/2011	368180	6972037	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1159145	26/07/2011	368688	6971950	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	110	Damp	Good	Subalpine Fir	Bare Soil
1159204	24/07/2011	359251	6980521	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	40	Damp	Excellent	Willows	Reindeer Lichen
1159210	24/07/2011	359037	6980299	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	30	Dry	Good	White Spruce	Sphagnum Moss < 30cm
1159259	24/07/2011	355931	6979206	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Burnt Moss
1159359	25/07/2011	362806	6971558	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Rock Cover
1159402	27/07/2011	366769	6969024	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1061634	20/07/2011	360645	6967489	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	70	Damp	Good	Dwarf Birch	Thin Moss Cover
1144053	22/07/2011	355844	6983980	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144448	22/07/2011	358322	6984659	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Good	No Tree Cover	Leaf Cover
1145046	25/07/2011	362377	6971796	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	50	Damp	Good	No Tree Cover	Grass Cover
1145452	26/07/2011	363230	6971222	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Damp	Excellent	No Tree Cover	Reindeer Lichen
1152485	26/07/2011	364081	6972651	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Grass Cover
1152496	26/07/2011	363655	6972978	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	70	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156138	24/07/2011	359491	6978112	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1156030	25/07/2011	361394	6972229	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Reindeer Lichen
1156272	26/07/2011	370021	6971061	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	40	Dry	Good	Subalpine Fir	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1156410	26/07/2011	368197	6971181	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	30	Damp	Good	Dwarf Birch	Bare Soil
1156417	26/07/2011	368534	6971166	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1157020	21/07/2011	354260	6979210	UTMZ9N_NAD83	Reddish Brown	Sand	Steep	C	50	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1157240	22/07/2011	358619	6983431	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	20	Damp	Good	No Tree Cover	Thin Moss Cover
1157384	23/07/2011	357092	6981738	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1157396	23/07/2011	356678	6982151	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	60	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1159310	25/07/2011	359386	6976415	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	20	Damp	Good	Dwarf Birch	Reindeer Lichen
1159329	25/07/2011	359709	6975624	UTMZ9N_NAD83	Dark Grey Black	Clay	Flat	B	60	Damp	Good	Black Spruce	Sphagnum Moss > 30cm
1159366	25/07/2011	362560	6971674	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	70	Damp	Good	No Tree Cover	Thin Moss Cover
1062157	21/07/2011	354063	6978312	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	40	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1144065	23/07/2011	356473	6982430	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Dry	Good	Old Burn	Rock Cover
1144109	22/07/2011	355298	6981718	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1144226	22/07/2011	354943	6982459	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	B	50	Damp	Good	Old Burn	Thin Moss Cover
1144275	23/07/2011	358733	6982562	UTMZ9N_NAD83	Chocolate Brown	Clay	Flat	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1145493	26/07/2011	362677	6970545	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1145495	26/07/2011	362643	6970448	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	110	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1145489	25/07/2011	362723	6973386	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	50	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1152255	27/07/2011	364437	6969265	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1152354	26/07/2011	359326	6971114	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1152368	26/07/2011	360017	6971137	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1152495	26/07/2011	363684	6972934	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156275	26/07/2011	370157	6971003	UTMZ9N_NAD83	Light Brown	Sand	Flat	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156342	27/07/2011	364786	6969190	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Rock Cover
1156418	26/07/2011	368584	6971169	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Wet	Good	Subalpine Fir	Reindeer Lichen
1156423	26/07/2011	368824	6971122	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Rock Cover
1157018	21/07/2011	354237	6979165	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1157128	22/07/2011	357462	6982797	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1157157	21/07/2011	353838	6979665	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	70	Damp	Good	Subalpine Fir	Reindeer Lichen
1157215	21/07/2011	359080	6979398	UTMZ9N_NAD83	Grey	Silt	Subtle Slope	C	70	Dry	Good	White Spruce	Sphagnum Moss < 30cm
1157227	21/07/2011	358702	6978983	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	60	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157352	22/07/2011	358518	6984646	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1157485	23/07/2011	355638	6983159	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1159071	24/07/2011	356537	6977889	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1159182	24/07/2011	360779	6975632	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	O	50	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1159290	25/07/2011	360584	6973931	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	B	40	Wet	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1159299	25/07/2011	360414	6974290	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	70	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159353	25/07/2011	362819	6971255	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1159494	27/07/2011	366434	6969247	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1061643	21/07/2011	353727	6977696	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1144202	21/07/2011	353750	6978143	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	A	20	Damp	Good	No Tree Cover	Reindeer Lichen
1144119	22/07/2011	355028	6981354	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	70	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1144155	21/07/2011	353360	6977361	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1144181	21/07/2011	352655	6978135	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	C	30	Dry	Good	No Tree Cover	Reindeer Lichen

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Texture	S_Terrain	S_Horizon	S_Depth	S_Moisture	S_Quality	S_Vegetation	Ground_Cover
1144294	24/07/2011	359020	6981613	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Dry	Good	Subalpine Fir	Reindeer Lichen
1144339	22/07/2011	355488	6982523	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	20	Damp	Good	No Tree Cover	Reindeer Lichen
1152041	26/07/2011	368530	6970404	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1152358	26/07/2011	359519	6971170	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1156184	26/07/2011	362255	6970379	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	60	Damp	Good	Old Burn	Thin Moss Cover
1156366	25/07/2011	364105	6977413	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1157245	22/07/2011	358600	6983682	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Thin Moss Cover
1157424	24/07/2011	361077	6977608	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1159021	23/07/2011	357034	6980795	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1159121	26/07/2011	367500	6972230	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1159271	24/07/2011	355379	6979275	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	100	Dry	Poor	Willows	Sphagnum Moss < 30cm
1159288	25/07/2011	360615	6973835	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	100	Wet	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1061945	24/07/2011	360462	6976976	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	30	Damp	Good	Dwarf Birch	Rock Cover
1144093	23/07/2011	355677	6981453	UTMZ9N_NAD83	Reddish Yellow	Sand	Steep	C	60	Damp	Good	Old Burn	Thin Moss Cover
1144214	21/07/2011	353586	6978727	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144289	24/07/2011	358791	6981706	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1144297	24/07/2011	359094	6981490	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Poor	Subalpine Fir	Reindeer Lichen
1144498	23/07/2011	357786	6982133	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	40	Damp	Excellent	Old Burn	Thin Moss Cover
1152002	25/07/2011	362453	6977207	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Rock Cover
1152060	27/07/2011	368876	6969498	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152083	27/07/2011	369861	6969251	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	40	Damp	Good	Willows	Leaf Cover
1152416	27/07/2011	366882	6968108	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	80	Damp	Good	Poplar	Leaf Cover
1156031	25/07/2011	361359	6972266	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156273	26/07/2011	370072	6971055	UTMZ9N_NAD83	Grey	Clay	Flat	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157049	22/07/2011	356036	6984043	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Rock Cover
1157163	21/07/2011	354101	6979815	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Damp	Good	Subalpine Fir	Reindeer Lichen
1159147	26/07/2011	368777	6971962	UTMZ9N_NAD83	Reddish Brown	Clay	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Bare Soil
1159032	24/07/2011	360705	6977250	UTMZ9N_NAD83	Chocolate Brown	Silt	Pronounced Slope	B	20	Dry	Good	Dwarf Birch	Reindeer Lichen
1159164	24/07/2011	361350	6976211	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	70	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159175	24/07/2011	360900	6975960	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1159232	24/07/2011	358146	6980328	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Damp	Good	Willows	Reindeer Lichen
1159266	24/07/2011	355582	6979278	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Dry	Good	Old Burn	Burnt Moss
1159355	25/07/2011	362813	6971357	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	10	Damp	Poor	No Tree Cover	Rock Cover
1159497	27/07/2011	366552	6969167	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1061604	20/07/2011	361610	6968582	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Good	Old Burn	Thin Moss Cover
1061647	21/07/2011	353766	6977896	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1144118	22/07/2011	355059	6981394	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	80	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1144240	22/07/2011	354663	6981864	UTMZ9N_NAD83	Grey	Sand	Flat	B	50	Damp	Good	Willows	Thin Moss Cover
1144262	23/07/2011	358979	6983078	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Good	Willows	Thin Moss Cover
1144302	21/07/2011	352677	6978282	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	B	30	Damp	Poor	No Tree Cover	Sphagnum Moss < 30cm
1152272	27/07/2011	363729	6968991	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1156050	25/07/2011	360987	6972721	UTMZ9N_NAD83	Grey	Sand	Flat	B	50	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156111	24/07/2011	358337	6978255	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Texture	S_Terrain	S_Horizon	S_Depth	S_Moisture	S_Quality	S_Vegetation	Ground_Cover
1156115	24/07/2011	358174	6978376	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	60	Damp	Good	Subalpine Fir	Reindeer Lichen
1156166	26/07/2011	362101	6971252	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156350	27/07/2011	364874	6968794	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	50	Damp	Poor	No Tree Cover	Reindeer Lichen
1156404	26/07/2011	367934	6971306	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Leaf Cover
1156437	26/07/2011	369411	6971310	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1157377	23/07/2011	357284	6981450	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	30	Damp	Good	Old Burn	Bare Soil
1157350	24/07/2011	356352	6979081	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Dry	Good	Old Burn	Burnt Moss
1157458	22/07/2011	357632	6982897	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	10	Damp	Good	No Tree Cover	Rock Cover
1159138	26/07/2011	368396	6972013	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159276	25/07/2011	360793	6973252	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159292	25/07/2011	360513	6974002	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	40	Wet	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1159392	26/07/2011	361709	6970124	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1159490	27/07/2011	366247	6969303	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	30	Damp	Excellent	No Tree Cover	Rock Cover
1144046	23/07/2011	357746	6980437	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Willows	Sphagnum Moss < 30cm
1144171	21/07/2011	352723	6977663	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1144172	21/07/2011	352683	6977697	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1144347	22/07/2011	355571	6982248	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	C	110	Damp	Excellent	Willows	Thin Moss Cover
1144429	21/07/2011	357185	6979176	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	20	Damp	Poor	Black Spruce	Sphagnum Moss < 30cm
1144479	23/07/2011	358619	6982074	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Damp	Excellent	No Tree Cover	Thin Moss Cover
1145496	26/07/2011	362623	6970400	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	C	80	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1152024	26/07/2011	367753	6970528	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1152471	25/07/2011	362702	6975708	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1156020	25/07/2011	361815	6971974	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	B	40	Damp	Good	No Tree Cover	Bare Soil
1156045	25/07/2011	360864	6972941	UTMZ9N_NAD83	Grey	Sand	Flat	B	50	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156137	24/07/2011	359540	6978119	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1157376	23/07/2011	357312	6981407	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Bare Soil
1157016	21/07/2011	354207	6979125	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157176	22/07/2011	355544	6982574	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	No Tree Cover	Thin Moss Cover
1157177	22/07/2011	355594	6982567	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Dry	Good	No Tree Cover	Reindeer Lichen
1157359	22/07/2011	358813	6984690	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Reindeer Lichen
1157395	23/07/2011	356655	6982195	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	70	Damp	Good	Dwarf Birch	Thin Moss Cover
1157457	22/07/2011	357716	6982956	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	10	Dry	Excellent	No Tree Cover	Rock Cover
1159380	26/07/2011	361224	6970474	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1159079	24/07/2011	356409	6978245	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	90	Damp	Excellent	Dwarf Birch	Sphagnum Moss < 30cm
1159284	25/07/2011	360695	6973647	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159324	25/07/2011	359651	6975817	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	80	Damp	Excellent	Black Spruce	Sphagnum Moss < 30cm
1159361	25/07/2011	362753	6971618	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Excellent	No Tree Cover	Thin Moss Cover
1159363	25/07/2011	362705	6971629	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1159492	27/07/2011	366335	6969265	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	20	Damp	Excellent	No Tree Cover	Rock Cover
1058756	21/07/2011	357745	6979949	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1061929	23/07/2011	356465	6982809	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Rock Cover
1144006	22/07/2011	356890	6983714	UTMZ9N_NAD83	Reddish Orange	Sand	Pronounced Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1144188	22/07/2011	355923	6984606	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Reindeer Lichen

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1144254	23/07/2011	358610	6983185	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Good	No Tree Cover	Thin Moss Cover
1144282	23/07/2011	358506	6982364	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1144349	22/07/2011	355503	6982175	UTMZ9N_NAD83	Grey	Sand	Flat	C	100	Damp	Excellent	Subalpine Fir	Leaf Cover
1152047	26/07/2011	368811	6970508	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	30	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1152085	27/07/2011	369932	6969180	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Willows	Thin Moss Cover
1152490	26/07/2011	363851	6972753	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1156143	24/07/2011	359254	6978041	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156032	25/07/2011	361325	6972304	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156274	26/07/2011	370117	6971034	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156425	26/07/2011	368923	6971134	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1156436	26/07/2011	369375	6971284	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	70	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157009	21/07/2011	354146	6978798	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1157195	22/07/2011	356297	6982122	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Poor	Old Burn	Burnt Moss
1157318	23/07/2011	356489	6981045	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	60	Damp	Poor	Old Burn	Burnt Moss
1157411	24/07/2011	361579	6977907	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Thin Moss Cover
1159067	24/07/2011	356711	6977793	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Leaf Cover
1159087	27/07/2011	364853	6969397	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	20	Damp	Excellent	No Tree Cover	Rock Cover
1159235	24/07/2011	358045	6980348	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	50	Dry	Good	Dwarf Birch	Reindeer Lichen
1061631	20/07/2011	360758	6967596	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	80	Damp	Good	Dwarf Birch	Thin Moss Cover
1061637	21/07/2011	353629	6977404	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Reindeer Lichen
1144160	21/07/2011	353098	6977350	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	30	Dry	Poor	Dwarf Birch	Reindeer Lichen
1144199	22/07/2011	355423	6984329	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1144246	22/07/2011	354655	6981563	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	C	60	Damp	Good	Willows	Thin Moss Cover
1144313	21/07/2011	352747	6978787	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1144361	22/07/2011	358821	6984348	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	20	Dry	Good	No Tree Cover	Thin Moss Cover
1152031	26/07/2011	368036	6970423	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	50	Damp	Good	No Tree Cover	Frost Boil
1152064	27/07/2011	369061	6969576	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1152074	27/07/2011	369545	6969544	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Excellent	White Spruce	Thin Moss Cover
1152082	27/07/2011	369829	6969287	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	60	Wet	Good	Old Burn	Thin Moss Cover
1156119	25/07/2011	362207	6977611	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	10	Dry	Excellent	No Tree Cover	Rock Cover
1156134	23/07/2011	355078	6983340	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	Subalpine Fir	Sphagnum Moss > 30cm
1156403	26/07/2011	367889	6971328	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Thin Moss Cover
1156407	26/07/2011	368078	6971269	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1157078	21/07/2011	355698	6979889	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Willows	Sphagnum Moss < 30cm
1157119	22/07/2011	358166	6983154	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	20	Damp	Good	Subalpine Fir	Reindeer Lichen
1159384	26/07/2011	361377	6970346	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1159027	23/07/2011	356943	6980561	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	60	Damp	Good	Dwarf Birch	Thin Moss Cover
1159265	24/07/2011	355633	6979279	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Dry	Good	Old Burn	Burnt Moss
1159327	25/07/2011	359679	6975721	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	80	Damp	Excellent	Black Spruce	Sphagnum Moss < 30cm
1159360	25/07/2011	362802	6971608	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	50	Damp	Excellent	No Tree Cover	Rock Cover
1159412	27/07/2011	367248	6968868	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Bare Soil
1061941	23/07/2011	356244	6983378	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Poor	Subalpine Fir	Thin Moss Cover
1144111	22/07/2011	355241	6981635	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1144142	23/07/2011	357693	6981295	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1144224	22/07/2011	355002	6982539	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Good	No Tree Cover	Reindeer Lichen
1144334	24/07/2011	357091	6977554	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1144342	22/07/2011	355618	6982448	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1152043	26/07/2011	368618	6970448	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152382	26/07/2011	360532	6970825	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1156192	27/07/2011	366061	6968299	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156315	26/07/2011	359868	6970485	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157349	24/07/2011	356393	6979051	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Dry	Good	Old Burn	Burnt Moss
1157406	24/07/2011	361828	6977896	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159002	23/07/2011	358789	6980755	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	40	Damp	Good	White Spruce	Thin Moss Cover
1159390	26/07/2011	361615	6970161	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Excellent	No Tree Cover	Sphagnum Moss < 30cm
1062167	20/07/2011	361220	6968537	UTMZ9N_NAD83	Reddish Yellow	Clay	Flat	C	50	Damp	Good	Old Burn	Thin Moss Cover
1145497	26/07/2011	362607	6970350	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	B	50	Wet	Good	Subalpine Fir	Thin Moss Cover
1152267	27/07/2011	363932	6969136	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1156096	25/07/2011	363475	6976812	UTMZ9N_NAD83	Dark Grey Black	Silt	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1156164	26/07/2011	362101	6971353	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1156422	26/07/2011	368777	6971138	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1157107	21/07/2011	357993	6979932	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1157343	24/07/2011	356642	6979006	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	110	Dry	Good	Old Burn	Burnt Moss
1159043	24/07/2011	360314	6977153	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	70	Damp	Excellent	White Spruce	Reindeer Lichen
1159068	24/07/2011	356662	6977806	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	30	Damp	Good	Subalpine Fir	Leaf Cover
1159308	25/07/2011	359305	6976476	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	Subalpine Fir	Reindeer Lichen
1159318	25/07/2011	359579	6976211	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	70	Damp	Good	Subalpine Fir	Reindeer Lichen
1159330	25/07/2011	359711	6975572	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	50	Damp	Poor	Black Spruce	Sphagnum Moss > 30cm
1159357	25/07/2011	362807	6971457	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	50	Damp	Good	No Tree Cover	Grass Cover
1159358	25/07/2011	362807	6971508	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Rock Cover
1053265	20/07/2011	362342	6968559	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1057799	21/07/2011	358392	6979878	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1144417	21/07/2011	357743	6979389	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	40	Wet	Good	Black Spruce	Thin Moss Cover
1144140	23/07/2011	357796	6981303	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1144152	21/07/2011	353514	6977336	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Dry	Good	No Tree Cover	Thin Moss Cover
1144198	22/07/2011	355468	6984354	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1144251	22/07/2011	354712	6981339	UTMZ9N_NAD83	Reddish Yellow	Sand	Steep	B	40	Damp	Good	Willows	Rock Cover
1144319	21/07/2011	352884	6979054	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	100	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1144487	23/07/2011	358329	6982286	UTMZ9N_NAD83	Reddish Brown	Clay	Subtle Slope	C	40	Dry	Excellent	No Tree Cover	Thin Moss Cover
1145462	26/07/2011	362973	6970871	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	B	50	Damp	Good	No Tree Cover	Grass Cover
1152056	26/07/2011	363480	6973429	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1152088	27/07/2011	370035	6969071	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	40	Damp	Good	Willows	Thin Moss Cover
1152253	27/07/2011	364536	6969290	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1152363	26/07/2011	359770	6971191	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	50	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1152366	26/07/2011	359922	6971172	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1157362	22/07/2011	358906	6984804	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Bare Soil

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Texture	S_Terrain	S_Horizon	S_Depth	S_Moisture	S_Quality	S_Vegetation	Ground_Cover
1157053	21/07/2011	356933	6980009	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	C	40	Dry	Good	Willows	Sphagnum Moss < 30cm
1157068	21/07/2011	356193	6979859	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	40	Wet	Good	Black Spruce	Sphagnum Moss < 30cm
1159023	23/07/2011	356991	6980702	UTMZ9N_NAD83	Yellow	Clay	Pronounced Slope	C	70	Damp	Good	Dwarf Birch	Thin Moss Cover
1159063	24/07/2011	356884	6977692	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Poor	No Tree Cover	Reindeer Lichen
1159397	26/07/2011	361895	6970053	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	50	Damp	Excellent	Old Burn	Leaf Cover
1059545	20/07/2011	361680	6968715	UTMZ9N_NAD83	Light Brown	Silt	Steep	B	40	Dry	Good	Subalpine Fir	Rock Cover
1062171	21/07/2011	353445	6979570	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	80	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1144051	22/07/2011	355938	6984022	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144286	24/07/2011	358642	6981738	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Poor	No Tree Cover	Reindeer Lichen
1144296	24/07/2011	359092	6981541	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1144452	22/07/2011	355321	6984212	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	50	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1144457	22/07/2011	355190	6984063	UTMZ9N_NAD83	Dark Grey Black	Clay	Flat	B	70	Dry	Poor	Dwarf Birch	Thin Moss Cover
1144490	23/07/2011	358179	6982242	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Good	Old Burn	Thin Moss Cover
1152044	26/07/2011	368668	6970459	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152260	27/07/2011	364223	6969125	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1152311	27/07/2011	368330	6969272	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1152362	26/07/2011	359721	6971193	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	30	Damp	Excellent	No Tree Cover	Reindeer Lichen
1152390	27/07/2011	364978	6969481	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	5	Damp	Poor	No Tree Cover	Reindeer Lichen
1156090	25/07/2011	363223	6976965	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	20	Damp	Good	Subalpine Fir	Rock Cover
1156380	25/07/2011	364752	6977309	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156406	26/07/2011	368031	6971284	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Reindeer Lichen
1157032	22/07/2011	356337	6984784	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	50	Damp	Good	Subalpine Fir	Rock Cover
1157121	22/07/2011	357977	6983102	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1157345	24/07/2011	356538	6979015	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	90	Dry	Good	Old Burn	Burnt Moss
1159066	24/07/2011	356761	6977784	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1159120	26/07/2011	367451	6972243	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	30	Damp	Poor	No Tree Cover	Grass Cover
1159252	24/07/2011	356268	6979142	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	50	Dry	Good	Old Burn	Burnt Moss
1144411	21/07/2011	357945	6979525	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	50	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144120	22/07/2011	354997	6981316	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	90	Damp	Good	Dwarf Birch	Reindeer Lichen
1144126	23/07/2011	358456	6981475	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144154	21/07/2011	353411	6977352	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1144193	22/07/2011	355684	6984503	UTMZ9N_NAD83	Light Brown	Silt	Pronounced Slope	C	50	Dry	Good	Dwarf Birch	Rock Cover
1144272	23/07/2011	358855	6982658	UTMZ9N_NAD83	Chocolate Brown	Silt	Steep	B	40	Dry	Good	Subalpine Fir	Thin Moss Cover
1144432	21/07/2011	357071	6979080	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	30	Damp	Good	Black Spruce	Thin Moss Cover
1144445	22/07/2011	358178	6984632	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Reindeer Lichen
1145500	27/07/2011	364858	6968690	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	70	Damp	Good	No Tree Cover	Rock Cover
1145042	25/07/2011	362240	6971941	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1152048	26/07/2011	369134	6970581	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152070	27/07/2011	369359	6969614	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152204	27/07/2011	364994	6968635	UTMZ9N_NAD83	Dark Blue Black	Sand	Steep	C	50	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1152216	27/07/2011	365712	6968313	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1152396	27/07/2011	366009	6969608	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	20	Damp	Excellent	No Tree Cover	Rock Cover
1157070	21/07/2011	356025	6979754	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	40	Damp	Good	Willows	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1157385	23/07/2011	357062	6981778	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157480	23/07/2011	355625	6982908	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159383	26/07/2011	361339	6970378	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1159033	24/07/2011	360654	6977236	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1059540	20/07/2011	361934	6968732	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Good	Subalpine Fir	Rock Cover
1060840	20/07/2011	363104	6967749	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	70	Damp	Good	Willows	Burnt Moss
1144163	21/07/2011	352942	6977373	UTMZ9N_NAD83	Dark Brown	Clay	Flat	C	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1144215	21/07/2011	353589	6978778	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	60	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144250	22/07/2011	354704	6981364	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	B	50	Damp	Good	Willows	Thin Moss Cover
1144256	23/07/2011	358686	6983138	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1144480	23/07/2011	358603	6982123	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	60	Damp	Good	White Spruce	Thin Moss Cover
1144493	23/07/2011	358031	6982187	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Dry	Good	Dwarf Birch	Thin Moss Cover
1145481	25/07/2011	362608	6972989	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	50	Damp	Excellent	White Spruce	Thin Moss Cover
1152033	26/07/2011	368131	6970394	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	60	Damp	Good	No Tree Cover	Thin Moss Cover
1152498	26/07/2011	363614	6973071	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156035	25/07/2011	361259	6972382	UTMZ9N_NAD83	Dark Brown	Sand	Steep	B	40	Damp	Good	No Tree Cover	Rock Cover
1156152	25/07/2011	361057	6972647	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1157472	22/07/2011	357265	6982046	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1159177	24/07/2011	360851	6975870	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	80	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159270	24/07/2011	355431	6979273	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	110	Dry	Excellent	Willows	Sphagnum Moss < 30cm
1057988	25/07/2011	365202	6977206	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	70	Damp	Good	Poplar	Sphagnum Moss < 30cm
1144413	21/07/2011	357868	6979460	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Wet	Good	Black Spruce	Bare Soil
1144087	23/07/2011	355896	6981654	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Thin Moss Cover
1144266	23/07/2011	359026	6982911	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1144312	21/07/2011	352745	6978736	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Poor	Dwarf Birch	Reindeer Lichen
1144495	23/07/2011	357936	6982168	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	30	Dry	Good	Dwarf Birch	Thin Moss Cover
1152360	26/07/2011	359619	6971184	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	30	Damp	Excellent	No Tree Cover	Reindeer Lichen
1152494	26/07/2011	363714	6972896	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156057	24/07/2011	360329	6976497	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156314	26/07/2011	359889	6970531	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	C	60	Damp	Poor	White Spruce	Sphagnum Moss < 30cm
1157239	22/07/2011	358594	6983387	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	No Tree Cover	Thin Moss Cover
1157344	24/07/2011	356589	6979011	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	110	Dry	Good	Old Burn	Burnt Moss
1157409	24/07/2011	361683	6977911	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1157449	25/07/2011	363948	6977388	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159036	24/07/2011	360513	6977187	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	100	Dry	Good	White Spruce	Reindeer Lichen
1159273	24/07/2011	355282	6979302	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Dry	Good	Willows	Reindeer Lichen
1159499	27/07/2011	366635	6969112	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	50	Damp	Good	No Tree Cover	Frost Boil
1056018	20/07/2011	362733	6968822	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	No Tree Cover	Rock Cover
1057991	25/07/2011	365219	6977108	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152484	26/07/2011	364129	6972636	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Bare Soil
1156104	24/07/2011	358616	6978141	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1156174	26/07/2011	362116	6970857	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1156303	25/07/2011	360355	6974483	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	100	Damp	Good	Subalpine Fir	Reindeer Lichen

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Texture	S_Terrain	S_Horizon	S_Depth	S_Moisture	S_Quality	S_Vegetation	Ground_Cover
1157065	21/07/2011	356337	6979925	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	C	60	Damp	Good	Willows	Sphagnum Moss < 30cm
1157126	22/07/2011	357556	6982833	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Rock Cover
1157209	21/07/2011	358894	6979627	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	60	Damp	Good	White Spruce	Thin Moss Cover
1157448	25/07/2011	363896	6977395	UTMZ9N_NAD83	Reddish Orange	Sand	Subtle Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159136	26/07/2011	368282	6972030	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Bare Soil
1061884	20/07/2011	363071	6968754	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	60	Damp	Good	No Tree Cover	Rock Cover
1061940	23/07/2011	356263	6983331	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1144412	21/07/2011	357903	6979496	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	50	Wet	Good	Black Spruce	Sphagnum Moss < 30cm
1144213	21/07/2011	353592	6978677	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152355	26/07/2011	359373	6971130	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1152401	26/07/2011	367368	6972134	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	20	Damp	Good	No Tree Cover	Rock Cover
1152500	26/07/2011	363586	6973167	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156002	24/07/2011	359088	6981236	UTMZ9N_NAD83	Dark Brown	Clay	Flat	B	40	Damp	Good	Old Burn	Thin Moss Cover
1156056	24/07/2011	360307	6976541	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156409	26/07/2011	368163	6971218	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Rock Cover
1157158	21/07/2011	353886	6979687	UTMZ9N_NAD83	Dark Olivine Green	Sand	Subtle Slope	C	80	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1157479	23/07/2011	355625	6982857	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	70	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159151	23/07/2011	356833	6981962	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1159379	26/07/2011	361187	6970509	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	30	Damp	Excellent	Subalpine Fir	Bare Soil
1159123	26/07/2011	367601	6972216	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Bare Soil
1159205	24/07/2011	359210	6980489	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Dry	Poor	Dwarf Birch	Sphagnum Moss < 30cm
1159487	27/07/2011	366130	6969396	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	20	Damp	Good	No Tree Cover	Thin Moss Cover
1004199	20/07/2011	363382	6969063	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1061641	21/07/2011	353711	6977594	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1144216	21/07/2011	353595	6978829	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	B	70	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144259	23/07/2011	358838	6983123	UTMZ9N_NAD83	Chocolate Brown	Silt	Steep	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1152032	26/07/2011	368083	6970405	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Good	No Tree Cover	Thin Moss Cover
1152034	26/07/2011	368180	6970381	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Wet	Good	No Tree Cover	Thin Moss Cover
1152356	26/07/2011	359420	6971148	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Reindeer Lichen
1152375	26/07/2011	360333	6970974	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	110	Damp	Excellent	No Tree Cover	Reindeer Lichen
1152395	27/07/2011	365962	6969625	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	20	Damp	Good	No Tree Cover	Thin Moss Cover
1152486	26/07/2011	364032	6972666	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1156412	26/07/2011	368294	6971186	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Rock Cover
1157228	21/07/2011	358657	6978961	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	60	Dry	Good	White Spruce	Sphagnum Moss < 30cm
1157337	23/07/2011	355589	6981118	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	70	Damp	Good	Black Spruce	Sphagnum Moss > 30cm
1157399	23/07/2011	356770	6982036	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	60	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1157477	23/07/2011	355606	6982756	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	80	Damp	Good	No Tree Cover	Thin Moss Cover
1159055	23/07/2011	357046	6981186	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	70	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159137	26/07/2011	368351	6972035	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159302	25/07/2011	359083	6976673	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Poor	Subalpine Fir	Reindeer Lichen
1144047	24/07/2011	362173	6977650	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	30	Damp	Good	No Tree Cover	Rock Cover
1144081	23/07/2011	356011	6981931	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	Old Burn	Thin Moss Cover
1144290	24/07/2011	358841	6981700	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1144311	21/07/2011	352770	6978693	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1144405	21/07/2011	358152	6979730	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	110	Damp	Good	Subalpine Fir	Thin Moss Cover
1145041	25/07/2011	362208	6971980	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1152213	27/07/2011	365365	6968372	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152261	27/07/2011	364178	6969103	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Reindeer Lichen
1152476	26/07/2011	364531	6972621	UTMZ9N_NAD83	Bluish Grey	Sand	Pronounced Slope	C	20	Wet	Good	No Tree Cover	Bare Soil
1156071	24/07/2011	360400	6975862	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156074	24/07/2011	360439	6975720	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156132	23/07/2011	355112	6983244	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1156191	27/07/2011	366014	6968317	UTMZ9N_NAD83	Chocolate Brown	Silt	Flat	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156310	26/07/2011	359997	6970702	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Damp	Good	Willows	Sphagnum Moss < 30cm
1157133	22/07/2011	357289	6982697	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1159059	24/07/2011	357283	6977320	UTMZ9N_NAD83	Dark Brown	Clay	Flat	B	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1144151	21/07/2011	353564	6977321	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1144425	21/07/2011	357358	6979282	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	40	Damp	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1152369	26/07/2011	360063	6971116	UTMZ9N_NAD83	Dark Blue Black	Sand	Flat	C	50	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1152379	26/07/2011	360649	6970727	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1152387	27/07/2011	365105	6969555	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	5	Damp	Excellent	No Tree Cover	Rock Cover
1156162	26/07/2011	362048	6971439	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	No Tree Cover	Bare Soil
1157380	23/07/2011	357194	6981570	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	Old Burn	Thin Moss Cover
1157045	22/07/2011	356178	6984178	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Rock Cover
1157067	21/07/2011	356240	6979877	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	70	Damp	Poor	Black Spruce	Sphagnum Moss < 30cm
1157125	22/07/2011	357595	6982864	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Rock Cover
1157412	24/07/2011	361527	6977904	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Thin Moss Cover
1159050	24/07/2011	360023	6977351	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1159194	25/07/2011	363209	6976811	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1059538	20/07/2011	362034	6968739	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1144063	23/07/2011	356547	6982499	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1144073	23/07/2011	356112	6982256	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1144242	22/07/2011	354662	6981762	UTMZ9N_NAD83	Grey	Clay	Flat	C	50	Damp	Good	Willows	Sphagnum Moss < 30cm
1144453	22/07/2011	355297	6984166	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1144486	23/07/2011	358382	6982286	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Dry	Good	No Tree Cover	Thin Moss Cover
1156271	26/07/2011	369971	6971063	UTMZ9N_NAD83	Dark Grey Black	Silt	Subtle Slope	B	70	Dry	Good	Subalpine Fir	Thin Moss Cover
1156308	26/07/2011	360052	6970788	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1157192	22/07/2011	356266	6982217	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Dry	Good	Old Burn	Burnt Moss
1157430	24/07/2011	360889	6977370	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1159378	26/07/2011	361146	6970539	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1159240	26/07/2011	363310	6971467	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Reindeer Lichen
1159354	25/07/2011	362815	6971306	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1144104	22/07/2011	355411	6981943	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1144164	21/07/2011	352906	6977411	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	60	Damp	Good	Dwarf Birch	Reindeer Lichen
1144424	21/07/2011	357402	6979303	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	40	Wet	Good	Dwarf Birch	Leaf Cover
1144496	23/07/2011	357884	6982169	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	Willows	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1152054	26/07/2011	363553	6973362	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	40	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1152352	26/07/2011	359233	6971075	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1152400	27/07/2011	366103	6969438	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Grass Cover
1156037	25/07/2011	361196	6972463	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Reindeer Lichen
1157003	21/07/2011	354208	6978514	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	60	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1157074	21/07/2011	355823	6979737	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	40	Damp	Good	Willows	Leaf Cover
1157414	24/07/2011	361429	6977873	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1157418	24/07/2011	361244	6977802	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Dry	Good	No Tree Cover	Thin Moss Cover
1159117	26/07/2011	367325	6972104	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	10	Damp	Good	No Tree Cover	Rock Cover
1159141	26/07/2011	368536	6971969	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Damp	Good	Subalpine Fir	Bare Soil
1159186	24/07/2011	360757	6975433	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Good	Black Spruce	Reindeer Lichen
1159228	24/07/2011	358289	6980272	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	C	50	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1144117	22/07/2011	355090	6981433	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1144123	24/07/2011	357202	6977453	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	20	Damp	Good	No Tree Cover	Reindeer Lichen
1145483	25/07/2011	362637	6973088	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	40	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1152262	27/07/2011	364129	6969118	UTMZ9N_NAD83	Grey	Sand	Steep	C	40	Damp	Good	Dwarf Birch	Grass Cover
1152489	26/07/2011	363893	6972725	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1156059	24/07/2011	360369	6976405	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	50	Wet	Good	Subalpine Fir	Reindeer Lichen
1156068	24/07/2011	360404	6976012	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156069	24/07/2011	360403	6975962	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156070	24/07/2011	360399	6975913	UTMZ9N_NAD83	Grey	Silt	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1156107	24/07/2011	358516	6978160	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Damp	Good	Subalpine Fir	Thin Moss Cover
1157113	21/07/2011	357543	6979978	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1159042	24/07/2011	360339	6977107	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Reindeer Lichen
1159127	26/07/2011	367848	6972171	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Bare Soil
1159187	24/07/2011	360757	6975433	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Good	Black Spruce	Reindeer Lichen
1159328	25/07/2011	359696	6975672	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Damp	Good	Black Spruce	Sphagnum Moss < 30cm
1159369	26/07/2011	360779	6970702	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Bare Soil
1144421	21/07/2011	357551	6979328	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	20	Wet	Poor	Subalpine Fir	Sphagnum Moss < 30cm
1145494	26/07/2011	362660	6970497	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	80	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1152205	27/07/2011	365034	6968596	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	No Tree Cover	Reindeer Lichen
1156029	25/07/2011	361428	6972190	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156065	24/07/2011	360408	6976161	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1156085	25/07/2011	362994	6977060	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156154	26/07/2011	361913	6971768	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156313	26/07/2011	359923	6970569	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	Willows	Sphagnum Moss < 30cm
1157010	21/07/2011	354137	6978848	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157046	22/07/2011	356155	6984134	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	20	Damp	Good	Subalpine Fir	Rock Cover
1159225	24/07/2011	358414	6980177	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	30	Dry	Excellent	White Spruce	Reindeer Lichen
1159285	25/07/2011	360684	6973696	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144113	22/07/2011	355180	6981554	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1144121	22/07/2011	354972	6981280	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	80	Damp	Poor	Dwarf Birch	Sphagnum Moss < 30cm
1144220	22/07/2011	355191	6982586	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Good	No Tree Cover	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Texture	S_Terrain	S_Horizon	S_Depth	S_Moisture	S_Quality	S_Vegetation	Ground_Cover
1144436	22/07/2011	357895	6984363	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Thin Moss Cover
1144449	22/07/2011	358371	6984672	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Dry	Good	No Tree Cover	Bare Soil
1145054	27/07/2011	364784	6968442	UTMZ9N_NAD83	Light Brown	Clay	Pronounced Slope	C	90	Damp	Excellent	Willows	Thin Moss Cover
1152220	27/07/2011	365512	6968358	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1152373	26/07/2011	360250	6971031	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	50	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1157220	21/07/2011	359004	6979173	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	70	Damp	Good	White Spruce	Sphagnum Moss > 30cm
1157335	23/07/2011	355690	6981119	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	80	Damp	Good	White Spruce	Burnt Moss
1157462	22/07/2011	357288	6982545	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	50	Damp	Good	No Tree Cover	Thin Moss Cover
1159088	27/07/2011	364821	6969358	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Rock Cover
1159185	24/07/2011	360759	6975484	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Good	Black Spruce	Reindeer Lichen
1159226	24/07/2011	358373	6980210	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1061882	20/07/2011	363033	6968847	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Rock Cover
1061937	23/07/2011	356272	6983183	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1144058	22/07/2011	355680	6983873	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144085	23/07/2011	355933	6981747	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Thin Moss Cover
1144176	21/07/2011	352613	6977880	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Poor	No Tree Cover	Reindeer Lichen
1144351	22/07/2011	358665	6983979	UTMZ9N_NAD83	Chocolate Brown	Silt	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Thin Moss Cover
1144427	21/07/2011	357267	6979235	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	90	Wet	Good	Dwarf Birch	Leaf Cover
1144472	23/07/2011	358593	6981761	UTMZ9N_NAD83	Chocolate Brown	Silt	Subtle Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1145470	26/07/2011	362696	6970593	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152036	26/07/2011	368280	6970379	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1156135	23/07/2011	355069	6983390	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Wet	Good	Subalpine Fir	Sphagnum Moss > 30cm
1157005	21/07/2011	354219	6978612	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1157035	22/07/2011	356239	6984671	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157084	22/07/2011	357802	6984323	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1157178	22/07/2011	355645	6982560	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Dry	Good	White Spruce	Reindeer Lichen
1159376	26/07/2011	361101	6970562	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	50	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1159106	25/07/2011	364063	6977712	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159283	25/07/2011	360712	6973599	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	90	Wet	Poor	Subalpine Fir	Sphagnum Moss > 30cm
1159391	26/07/2011	361663	6970143	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Reindeer Lichen
1144150	23/07/2011	357343	6981244	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1144473	23/07/2011	358599	6981813	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Dry	Excellent	No Tree Cover	Thin Moss Cover
1152019	25/07/2011	362073	6976585	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	20	Damp	Good	No Tree Cover	Reindeer Lichen
1152027	26/07/2011	367894	6970472	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	70	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1152030	26/07/2011	367989	6970440	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	50	Damp	Good	No Tree Cover	Sphagnum Moss > 30cm
1152315	27/07/2011	368492	6969374	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1156007	24/07/2011	359069	6980985	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1157218	21/07/2011	359068	6979251	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	A	50	Damp	Poor	White Spruce	Sphagnum Moss < 30cm
1159293	25/07/2011	360503	6974054	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	B	40	Wet	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1159372	26/07/2011	360923	6970652	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	60	Damp	Good	Subalpine Fir	Thin Moss Cover
1057995	25/07/2011	365166	6976920	UTMZ9N_NAD83					0				
1144354	22/07/2011	358741	6984048	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	20	Damp	Good	No Tree Cover	Thin Moss Cover
1144426	21/07/2011	357314	6979255	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	30	Damp	Poor	Black Spruce	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1144485	23/07/2011	358434	6982282	UTMZ9N_NAD83	Reddish Orange	Sand	Flat	C	30	Dry	Good	No Tree Cover	Thin Moss Cover
1156434	26/07/2011	369283	6971249	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	60	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1157365	22/07/2011	358918	6984954	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	50	Damp	Excellent	No Tree Cover	Thin Moss Cover
1159085	27/07/2011	364935	6969456	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	10	Damp	Excellent	No Tree Cover	Rock Cover
1159491	27/07/2011	366287	6969274	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Wet	Excellent	No Tree Cover	Rock Cover
1061312	26/07/2011	370408	6970990	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1144420	21/07/2011	357597	6979347	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	40	Wet	Good	Subalpine Fir	Leaf Cover
1144021	23/07/2011	358478	6981244	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Dry	Good	Willows	Grass Cover
1144136	23/07/2011	357998	6981283	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Good	No Tree Cover	Thin Moss Cover
1152077	27/07/2011	369659	6969449	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	40	Wet	Good	Subalpine Fir	Leaf Cover
1152357	26/07/2011	359470	6971162	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	40	Damp	Good	No Tree Cover	Grass Cover
1152475	26/07/2011	364582	6972618	UTMZ9N_NAD83	Bluish Grey	Sand	Pronounced Slope	C	60	Damp	Good	No Tree Cover	Reindeer Lichen
1152479	26/07/2011	364380	6972625	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	90	Damp	Excellent	No Tree Cover	Bare Soil
1156114	24/07/2011	358215	6978346	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1156183	26/07/2011	362261	6970429	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	60	Dry	Good	Old Burn	Burnt Moss
1156312	26/07/2011	359949	6970613	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157086	22/07/2011	357712	6984279	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Rock Cover
1157427	24/07/2011	360972	6977497	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	White Spruce	Bare Soil
1157492	23/07/2011	355207	6982753	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	30	Damp	Poor	No Tree Cover	Thin Moss Cover
1159086	27/07/2011	364900	6969419	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	C	20	Damp	Good	No Tree Cover	Rock Cover
1159146	26/07/2011	368735	6971969	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	50	Damp	Good	Subalpine Fir	Thin Moss Cover
1159192	25/07/2011	363250	6976904	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1159193	25/07/2011	363228	6976858	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Thin Moss Cover
1061638	21/07/2011	353651	6977450	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Reindeer Lichen
1061639	21/07/2011	353670	6977498	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Reindeer Lichen
1061930	23/07/2011	356443	6982853	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Rock Cover
1144086	23/07/2011	355914	6981700	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Damp	Good	Old Burn	Bare Soil
1144162	21/07/2011	352993	6977359	UTMZ9N_NAD83	Reddish Orange	Sand	Subtle Slope	C	40	Dry	Good	Dwarf Birch	Thin Moss Cover
1144173	21/07/2011	352646	6977733	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	70	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1144244	22/07/2011	354659	6981661	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	50	Damp	Good	Willows	Thin Moss Cover
1144364	22/07/2011	358752	6984484	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Thin Moss Cover
1152114	27/07/2011	363802	6968368	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152087	27/07/2011	370000	6969105	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1152380	26/07/2011	360610	6970760	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	40	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1152473	25/07/2011	362705	6975658	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	30	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1156361	24/07/2011	359482	6977433	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	B	20	Damp	Poor	White Spruce	Sphagnum Moss < 30cm
1157075	21/07/2011	355780	6979764	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	C	40	Damp	Good	Willows	Sphagnum Moss < 30cm
1157076	21/07/2011	355738	6979795	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	Willows	Sphagnum Moss < 30cm
1157387	23/07/2011	357000	6981858	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159150	26/07/2011	367801	6972191	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159386	26/07/2011	361454	6970282	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1057989	25/07/2011	365219	6977159	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	80	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1144245	22/07/2011	354661	6981611	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Good	Willows	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1152203	27/07/2011	364959	6968670	UTMZ9N_NAD83	Dark Blue Black	Sand	Pronounced Slope	C	60	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1156251	26/07/2011	369426	6970652	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	B	40	Dry	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156309	26/07/2011	360031	6970741	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1157066	21/07/2011	356288	6979897	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	C	40	Wet	Good	Black Spruce	Sphagnum Moss > 30cm
1157077	21/07/2011	355715	6979839	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Excellent	Willows	Bare Soil
1157250	22/07/2011	358641	6983935	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1157346	24/07/2011	356486	6979014	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Dry	Good	Old Burn	Burnt Moss
1159012	23/07/2011	357304	6981154	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	C	50	Damp	Good	White Spruce	Thin Moss Cover
1159047	24/07/2011	360147	6977271	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	40	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1159233	24/07/2011	358096	6980341	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	70	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1159282	25/07/2011	360726	6973550	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	70	Wet	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1144105	22/07/2011	355399	6981893	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Wet	Good	Dwarf Birch	Reindeer Lichen
1152012	25/07/2011	362315	6976836	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	20	Damp	Good	No Tree Cover	Reindeer Lichen
1152483	26/07/2011	364179	6972631	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	60	Damp	Excellent	No Tree Cover	Thin Moss Cover
1157044	22/07/2011	356199	6984224	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1157175	22/07/2011	355494	6982577	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	White Spruce	Thin Moss Cover
1157248	22/07/2011	358621	6983834	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1157397	23/07/2011	356716	6982118	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1157439	25/07/2011	363483	6977254	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Bare Soil
1159113	25/07/2011	364143	6978059	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1061944	23/07/2011	356225	6983526	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	C	50	Wet	Good	Subalpine Fir	Thin Moss Cover
1144422	21/07/2011	357501	6979320	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	50	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144315	21/07/2011	352797	6978877	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	40	Damp	Excellent	No Tree Cover	Reindeer Lichen
1144369	23/07/2011	359014	6980869	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	White Spruce	Thin Moss Cover
1144444	22/07/2011	358134	6984611	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	70	Damp	Good	Subalpine Fir	Reindeer Lichen
1152370	26/07/2011	360109	6971096	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1156083	25/07/2011	362898	6977093	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1157047	22/07/2011	356118	6984099	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Rock Cover
1157134	22/07/2011	357249	6982667	UTMZ9N_NAD83	Dark Blue Black	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1157388	23/07/2011	356423	6982366	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	30	Damp	Excellent	No Tree Cover	Thin Moss Cover
1159076	24/07/2011	356412	6978089	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1152388	27/07/2011	365064	6969528	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	10	Damp	Excellent	No Tree Cover	Rock Cover
1157382	23/07/2011	357140	6981651	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	70	Damp	Good	Old Burn	Sphagnum Moss < 30cm
1159051	23/07/2011	357292	6981237	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1159075	24/07/2011	356421	6978039	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1061947	24/07/2011	360420	6976890	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Rock Cover
1144212	21/07/2011	353597	6978625	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	50	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144070	23/07/2011	356245	6982328	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1144263	23/07/2011	359016	6983045	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1152222	27/07/2011	365410	6968350	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	50	Damp	Poor	Subalpine Fir	Reindeer Lichen
1156433	26/07/2011	369234	6971237	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1157234	22/07/2011	358425	6983204	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	No Tree Cover	Thin Moss Cover
1144018	23/07/2011	358477	6981347	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Grass Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1144433	21/07/2011	357039	6979041	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	30	Damp	Good	Black Spruce	Thin Moss Cover
1156136	23/07/2011	355056	6983441	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	90	Wet	Good	Subalpine Fir	Sphagnum Moss > 30cm
1156171	26/07/2011	362130	6971007	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1157381	23/07/2011	357154	6981604	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	70	Damp	Excellent	Old Burn	Thin Moss Cover
1157486	23/07/2011	355633	6983209	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159236	24/07/2011	358022	6980351	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Leaf Cover
1061313	26/07/2011	370350	6970999	UTMZ9N_NAD83	Yellow	Clay	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144414	21/07/2011	357835	6979422	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	110	Wet	Good	Dwarf Birch	Sphagnum Moss < 30cm
1144138	23/07/2011	357897	6981294	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	30	Damp	Poor	No Tree Cover	Thin Moss Cover
1144158	21/07/2011	353202	6977357	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1152211	27/07/2011	365270	6968408	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	50	Damp	Poor	White Spruce	Rock Cover
1152482	26/07/2011	364229	6972630	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Bare Soil
1157241	22/07/2011	358607	6983479	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	20	Damp	Good	No Tree Cover	Thin Moss Cover
1157303	22/07/2011	356396	6981785	UTMZ9N_NAD83	Chocolate Brown	Silt	Pronounced Slope	C	60	Damp	Poor	Old Burn	Burnt Moss
1157432	25/07/2011	363290	6976976	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Grass Cover
1159090	27/07/2011	364737	6969310	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Rock Cover
1058769	25/07/2011	361942	6976509	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1156340	27/07/2011	364770	6969290	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Rock Cover
1156352	24/07/2011	359923	6977373	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1157033	22/07/2011	356302	6984749	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	50	Damp	Good	Subalpine Fir	Rock Cover
1157425	24/07/2011	361045	6977570	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Dry	Good	White Spruce	Thin Moss Cover
1159374	26/07/2011	361014	6970610	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	50	Damp	Good	Subalpine Fir	Bare Soil
1056028	20/07/2011	362297	6968725	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	B	40	Damp	Poor	Willows	Sphagnum Moss < 30cm
1087888	27/07/2011	370143	6968964	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	60	Damp	Good	White Spruce	Bare Soil
1144185	22/07/2011	356074	6984651	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1156408	26/07/2011	368120	6971243	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1159089	27/07/2011	364785	6969323	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Rock Cover
1144218	22/07/2011	355293	6982578	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1144350	22/07/2011	355475	6982133	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Damp	Excellent	Willows	Leaf Cover
1152317	27/07/2011	368588	6969403	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156008	24/07/2011	359057	6980936	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1159238	26/07/2011	363357	6971560	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1144189	22/07/2011	355875	6984587	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	60	Damp	Excellent	No Tree Cover	Reindeer Lichen
1152025	26/07/2011	367800	6970512	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1152367	26/07/2011	359970	6971158	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1157117	22/07/2011	358346	6983187	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1157120	22/07/2011	358027	6983105	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1157443	25/07/2011	363664	6977328	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Excellent	White Spruce	Bare Soil
1159135	26/07/2011	368230	6972035	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144415	21/07/2011	357786	6979414	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144418	21/07/2011	357696	6979371	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	60	Damp	Good	Black Spruce	Reindeer Lichen
1144159	21/07/2011	353150	6977352	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	50	Dry	Good	Dwarf Birch	Thin Moss Cover
1144174	21/07/2011	352614	6977776	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Dry	Poor	Dwarf Birch	Reindeer Lichen

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1144474	23/07/2011	358603	6981865	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	70	Dry	Excellent	No Tree Cover	Thin Moss Cover
1152480	26/07/2011	364329	6972626	UTMZ9N_NAD83	Bluish Grey	Sand	Pronounced Slope	C	60	Damp	Excellent	No Tree Cover	Bare Soil
1157115	21/07/2011	357298	6980025	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1061640	21/07/2011	353691	6977545	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Poor	No Tree Cover	Rock Cover
1144332	21/07/2011	353293	6979464	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	70	Damp	Excellent	Willows	Sphagnum Moss < 30cm
1144423	21/07/2011	357451	6979312	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	40	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152353	26/07/2011	359277	6971102	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Reindeer Lichen
1156003	24/07/2011	359080	6981186	UTMZ9N_NAD83	Grey	Sand	Flat	C	40	Damp	Good	Old Burn	Thin Moss Cover
1062163	20/07/2011	361393	6968638	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144017	23/07/2011	358480	6981396	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Grass Cover
1144322	21/07/2011	352931	6979131	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	100	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1144346	22/07/2011	355607	6982283	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	80	Damp	Good	Willows	Thin Moss Cover
1145458	26/07/2011	363115	6970937	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	50	Damp	Excellent	No Tree Cover	Grass Cover
1157186	22/07/2011	356079	6982427	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	60	Dry	Good	Old Burn	Burnt Moss
1159112	25/07/2011	364129	6978009	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159295	25/07/2011	360476	6974152	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	50	Wet	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1159375	26/07/2011	361058	6970587	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1144143	23/07/2011	357644	6981287	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Good	No Tree Cover	Rock Cover
1156182	26/07/2011	362248	6970477	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Good	Old Burn	Thin Moss Cover
1157372	23/07/2011	357452	6981273	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Bare Soil
1157498	23/07/2011	355167	6982996	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159215	24/07/2011	358882	6980162	UTMZ9N_NAD83	Grey	Clay	Flat	C	70	Dry	Good	White Spruce	Thin Moss Cover
1057986	25/07/2011	365142	6977285	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	60	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1058760	21/07/2011	357443	6979984	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	100	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1144069	23/07/2011	356291	6982349	UTMZ9N_NAD83	Dark Olivine Green	Sand	Flat	C	40	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1144291	24/07/2011	358894	6981698	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1144428	21/07/2011	357224	6979206	UTMZ9N_NAD83	Dark Grey Black	Clay	Pronounced Slope	B	80	Damp	Good	Black Spruce	Leaf Cover
1144450	22/07/2011	358420	6984667	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Excellent	Subalpine Fir	Bare Soil
1156006	24/07/2011	359072	6981035	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1156256	26/07/2011	369639	6970781	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157334	23/07/2011	355739	6981104	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	90	Damp	Good	White Spruce	Burnt Moss
1157383	23/07/2011	357120	6981697	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	60	Damp	Good	Old Burn	Thin Moss Cover
1159373	26/07/2011	360969	6970634	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144476	23/07/2011	358613	6981916	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	C	50	Dry	Good	No Tree Cover	Thin Moss Cover
1157374	23/07/2011	357366	6981325	UTMZ9N_NAD83	Dark Blue Black	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1157500	24/07/2011	358815	6978102	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1061931	23/07/2011	356412	6982893	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1144066	23/07/2011	356437	6982395	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1144102	22/07/2011	355440	6982038	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	60	Damp	Good	Dwarf Birch	Reindeer Lichen
1152265	27/07/2011	363979	6969158	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Excellent	No Tree Cover	Rock Cover
1152384	26/07/2011	360454	6970889	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1144352	22/07/2011	358707	6984010	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	C	60	Damp	Excellent	No Tree Cover	Thin Moss Cover
1152010	25/07/2011	362364	6976923	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	No Tree Cover	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1156084	25/07/2011	362946	6977077	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1156185	26/07/2011	362248	6970329	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	60	Dry	Good	Old Burn	Thin Moss Cover
1156383	26/07/2011	370527	6970898	UTMZ9N_NAD83					0				
1157484	23/07/2011	355647	6983108	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1159304	25/07/2011	359155	6976603	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1152386	27/07/2011	365151	6969579	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	20	Damp	Good	No Tree Cover	Rock Cover
1157043	22/07/2011	356207	6984274	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Dry	Good	Subalpine Fir	Thin Moss Cover
1058771	25/07/2011	362032	6976552	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Thin Moss Cover
1061933	23/07/2011	356364	6982979	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1144221	22/07/2011	355139	6982590	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Bare Soil
1152011	25/07/2011	362346	6976876	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Thin Moss Cover
1152016	25/07/2011	362185	6976682	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Thin Moss Cover
1144255	23/07/2011	358634	6983141	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Excellent	No Tree Cover	Thin Moss Cover
1144431	21/07/2011	357108	6979113	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	30	Damp	Good	Black Spruce	Sphagnum Moss < 30cm
1152022	26/07/2011	367667	6970576	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Excellent	No Tree Cover	Thin Moss Cover
1152477	26/07/2011	364480	6972624	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Bare Soil
1156147	24/07/2011	359057	6978050	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1157398	23/07/2011	356745	6982079	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	80	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1159126	26/07/2011	367750	6972206	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152263	27/07/2011	364078	6969129	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	10	Damp	Good	No Tree Cover	Rock Cover
1152391	26/07/2011	368987	6970545	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156321	26/07/2011	359773	6970247	UTMZ9N_NAD83	Greyish Green	Clay	Subtle Slope	C	100	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157369	22/07/2011	358972	6985085	UTMZ9N_NAD83	Grey	Sand	Flat	C	50	Dry	Excellent	No Tree Cover	Reindeer Lichen
1157386	23/07/2011	357030	6981818	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	60	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1157459	22/07/2011	357288	6982647	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Bare Soil
1144183	22/07/2011	356179	6984654	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Dry	Good	No Tree Cover	Reindeer Lichen
1144191	22/07/2011	355779	6984546	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	60	Damp	Poor	No Tree Cover	Rock Cover
1144340	22/07/2011	355533	6982500	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Good	No Tree Cover	Reindeer Lichen
1152089	27/07/2011	370072	6969039	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	50	Damp	Good	Willows	Thin Moss Cover
1152365	26/07/2011	359872	6971180	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	50	Damp	Excellent	No Tree Cover	Reindeer Lichen
1156148	24/07/2011	359011	6978071	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1156351	24/07/2011	359971	6977352	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	50	Damp	Good	White Spruce	Reindeer Lichen
1157247	22/07/2011	358618	6983783	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	50	Damp	Good	No Tree Cover	Thin Moss Cover
1159229	24/07/2011	358246	6980301	UTMZ9N_NAD83	Reddish Orange	Sand	Pronounced Slope	C	60	Damp	Good	Willows	Thin Moss Cover
1159323	25/07/2011	359637	6975867	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Good	Black Spruce	Sphagnum Moss < 30cm
1061932	23/07/2011	356382	6982932	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Rock Cover
1144430	21/07/2011	357141	6979150	UTMZ9N_NAD83	Dark Grey Black	Clay	Subtle Slope	B	30	Damp	Good	Black Spruce	Sphagnum Moss < 30cm
1144439	22/07/2011	358001	6984461	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Excellent	No Tree Cover	Reindeer Lichen
1159111	25/07/2011	364113	6977961	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1144084	23/07/2011	355953	6981792	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Thin Moss Cover
1152269	27/07/2011	363862	6969060	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Rock Cover
1152481	26/07/2011	364279	6972629	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	80	Damp	Excellent	No Tree Cover	Bare Soil
1156113	24/07/2011	358261	6978324	UTMZ9N_NAD83	Dark Brown	Silt	Pronounced Slope	B	60	Wet	Poor	Black Spruce	Sphagnum Moss > 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1156435	26/07/2011	369327	6971269	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	60	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1144161	21/07/2011	353045	6977350	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	C	50	Damp	Good	No Tree Cover	Bare Soil
1152259	27/07/2011	364265	6969152	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	10	Damp	Good	No Tree Cover	Reindeer Lichen
1156091	25/07/2011	363271	6976952	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1157357	22/07/2011	358736	6984626	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1157390	23/07/2011	356471	6982354	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Dry	Good	Willows	Thin Moss Cover
1159072	24/07/2011	356500	6977922	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	20	Damp	Good	Dwarf Birch	Rock Cover
1056026	20/07/2011	362348	6968724	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Grass Cover
1056029	20/07/2011	362243	6968735	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	20	Damp	Good	Willows	Reindeer Lichen
1144079	23/07/2011	356045	6982025	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Good	Old Burn	Thin Moss Cover
1152377	26/07/2011	360377	6970951	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Poor	Dwarf Birch	Reindeer Lichen
1156411	26/07/2011	368245	6971194	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	B	30	Damp	Good	Dwarf Birch	Frost Boil
1157190	22/07/2011	356221	6982307	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	50	Damp	Poor	Subalpine Fir	Reindeer Lichen
1144129	23/07/2011	358333	6981391	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Damp	Excellent	No Tree Cover	Rock Cover
1152371	26/07/2011	360158	6971075	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	50	Damp	Excellent	No Tree Cover	Reindeer Lichen
1157370	22/07/2011	358972	6985085	UTMZ9N_NAD83	Grey	Sand	Flat	C	50	Dry	Excellent	No Tree Cover	Reindeer Lichen
1157353	22/07/2011	358559	6984617	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1159143	26/07/2011	368587	6971963	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159166	24/07/2011	361250	6976217	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1058751	21/07/2011	358190	6979891	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1144029	23/07/2011	357693	6981253	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Dry	Good	No Tree Cover	Rock Cover
1144356	22/07/2011	358817	6984114	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Thin Moss Cover
1157007	21/07/2011	354200	6978711	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	60	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1144030	23/07/2011	357671	6981207	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Thin Moss Cover
1156324	26/07/2011	359672	6970132	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	60	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1157083	22/07/2011	357845	6984351	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	50	Dry	Good	No Tree Cover	Rock Cover
1157310	23/07/2011	356854	6981121	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	50	Damp	Good	Old Burn	Burnt Moss
1157464	22/07/2011	357279	6982447	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1156358	24/07/2011	359628	6977392	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1156112	24/07/2011	358295	6978284	UTMZ9N_NAD83	Dark Blue Black	Silt	Pronounced Slope	B	60	Wet	Good	Subalpine Fir	Sphagnum Moss > 30cm
1157237	22/07/2011	358540	6983303	UTMZ9N_NAD83	Dark Grey Black	Silt	Flat	B	50	Dry	Good	No Tree Cover	Thin Moss Cover
1157302	22/07/2011	356373	6981829	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	B	70	Damp	Excellent	Old Burn	Burnt Moss
1157401	24/07/2011	362053	6977803	UTMZ9N_NAD83	Bluish Grey	Sand	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Rock Cover
1159014	23/07/2011	357228	6981085	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	40	Damp	Good	White Spruce	Thin Moss Cover
1157416	24/07/2011	361326	6977866	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Dry	Good	No Tree Cover	Rock Cover
1056006	20/07/2011	363280	6969079	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1159144	26/07/2011	368638	6971957	UTMZ9N_NAD83	Reddish Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Bare Soil
1159305	25/07/2011	359178	6976558	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1059539	20/07/2011	361984	6968737	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Rock Cover
1144187	22/07/2011	355972	6984626	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1144287	24/07/2011	358692	6981727	UTMZ9N_NAD83	Dark Brown	Sand	Flat	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1144336	24/07/2011	357017	6977622	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	20	Damp	Good	No Tree Cover	Reindeer Lichen
1152206	27/07/2011	365066	6968553	UTMZ9N_NAD83	Reddish Orange	Sand	Subtle Slope	C	60	Damp	Good	No Tree Cover	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1156103	24/07/2011	358665	6978124	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1156307	26/07/2011	360080	6970830	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Damp	Good	No Tree Cover	Thin Moss Cover
1157222	21/07/2011	358918	6979117	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	100	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159268	24/07/2011	355531	6979282	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Dry	Good	Old Burn	Burnt Moss
1144316	21/07/2011	352828	6978916	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1156087	25/07/2011	363092	6977040	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1152221	27/07/2011	365462	6968348	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Reindeer Lichen
1159316	25/07/2011	359600	6976165	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	B	50	Damp	Poor	Subalpine Fir	Reindeer Lichen
1144148	23/07/2011	357446	6981248	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	30	Damp	Excellent	No Tree Cover	Rock Cover
1144179	21/07/2011	352651	6978031	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Poor	No Tree Cover	Reindeer Lichen
1159102	25/07/2011	364040	6977507	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159131	26/07/2011	368031	6972070	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Bare Soil
1144409	21/07/2011	358008	6979604	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	C	80	Damp	Good	Willows	Leaf Cover
1157363	22/07/2011	358916	6984853	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Damp	Excellent	No Tree Cover	Reindeer Lichen
1152009	25/07/2011	362372	6976973	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1157188	22/07/2011	356171	6982397	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Dry	Poor	Old Burn	Burnt Moss
1157360	22/07/2011	358844	6984728	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Excellent	No Tree Cover	Reindeer Lichen
1144175	21/07/2011	352608	6977828	UTMZ9N_NAD83	Grey	Sand	Flat	C	40	Dry	Good	No Tree Cover	Rock Cover
1152258	27/07/2011	364297	6969193	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	20	Damp	Good	No Tree Cover	Rock Cover
1157488	23/07/2011	355615	6983309	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	100	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1152021	26/07/2011	367624	6970602	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1156373	25/07/2011	364451	6977350	UTMZ9N_NAD83	Dark Grey Black	Clay	Flat	C	60	Damp	Good	Subalpine Fir	Reindeer Lichen
1157379	23/07/2011	357224	6981529	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	Old Burn	Thin Moss Cover
1157402	24/07/2011	362003	6977817	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1156063	24/07/2011	360403	6976211	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	B	40	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157036	22/07/2011	356224	6984623	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	50	Damp	Good	Subalpine Fir	Rock Cover
1157185	22/07/2011	356035	6982452	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Dry	Poor	Old Burn	Burnt Moss
1157428	24/07/2011	360946	6977452	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Bare Soil
1053267	20/07/2011	362260	6968497	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Leaf Cover
1056020	20/07/2011	362637	6968790	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Excellent	No Tree Cover	Rock Cover
1157358	22/07/2011	358778	6984654	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Reindeer Lichen
1144305	21/07/2011	352752	6978411	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	C	100	Damp	Good	Willows	Sphagnum Moss > 30cm
1144357	22/07/2011	358852	6984150	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	60	Damp	Good	No Tree Cover	Rock Cover
1156089	25/07/2011	363181	6976992	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1144301	21/07/2011	352647	6978243	UTMZ9N_NAD83	Chocolate Brown	Clay	Flat	B	20	Damp	Good	No Tree Cover	Reindeer Lichen
1152398	27/07/2011	366060	6969524	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	10	Damp	Good	No Tree Cover	Rock Cover
1152478	26/07/2011	364430	6972623	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Bare Soil
1157351	22/07/2011	358469	6984660	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1157444	25/07/2011	363715	6977317	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Bare Soil
1159107	25/07/2011	364069	6977763	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1159197	25/07/2011	363132	6976688	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	20	Damp	Good	Subalpine Fir	Bare Soil
1157435	25/07/2011	363323	6977129	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1157375	23/07/2011	357345	6981371	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Good	No Tree Cover	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Texture	S_Terrain	S_Horizon	S_Depth	S_Moisture	S_Quality	S_Vegetation	Ground_Cover
1144368	23/07/2011	359057	6980897	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	50	Dry	Good	White Spruce	Thin Moss Cover
1157243	22/07/2011	358602	6983581	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	20	Damp	Good	No Tree Cover	Bare Soil
1159307	25/07/2011	359259	6976496	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	B	30	Damp	Poor	Subalpine Fir	Reindeer Lichen
1058762	21/07/2011	357252	6980040	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1152383	26/07/2011	360494	6970855	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1156088	25/07/2011	363138	6977019	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen
1157182	22/07/2011	355842	6982515	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Dry	Good	Old Burn	Burnt Moss
1159156	24/07/2011	361736	6976257	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	60	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1157235	22/07/2011	358468	6983233	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	50	Dry	Good	No Tree Cover	Thin Moss Cover
1159035	24/07/2011	360563	6977196	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	50	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1056024	20/07/2011	362449	6968720	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	20	Damp	Good	No Tree Cover	Reindeer Lichen
1159277	25/07/2011	360781	6973302	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	80	Wet	Poor	Subalpine Fir	Sphagnum Moss > 30cm
1157429	24/07/2011	360919	6977409	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1159110	25/07/2011	364107	6977910	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1159031	24/07/2011	360752	6977271	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	C	40	Damp	Good	White Spruce	Reindeer Lichen
1159158	24/07/2011	361645	6976228	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1152381	26/07/2011	360571	6970793	UTMZ9N_NAD83	Dark Brown	Clay	Flat	B	50	Damp	Good	Dwarf Birch	Reindeer Lichen
1157450	25/07/2011	363995	6977408	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	70	Damp	Good	White Spruce	Thin Moss Cover
1159496	27/07/2011	366526	6969210	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1157474	23/07/2011	355613	6982605	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	No Tree Cover	Thin Moss Cover
1159198	25/07/2011	363131	6976638	UTMZ9N_NAD83	Dark Blue Black	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Bare Soil
1152013	25/07/2011	362278	6976801	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Reindeer Lichen
1156180	26/07/2011	362210	6970571	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	B	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1157491	23/07/2011	355204	6982702	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1059536	20/07/2011	362134	6968743	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	50	Damp	Poor	Subalpine Fir	Thin Moss Cover
1144125	23/07/2011	358494	6981509	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	50	Damp	Good	No Tree Cover	Thin Moss Cover
1159119	26/07/2011	367401	6972228	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1144019	23/07/2011	358480	6981294	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	White Spruce	Grass Cover
1144285	23/07/2011	358421	6982311	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1144314	21/07/2011	352768	6978835	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Reindeer Lichen
1144408	21/07/2011	358035	6979646	UTMZ9N_NAD83	Grey	Clay	Pronounced Slope	B	110	Damp	Good	Willows	Sphagnum Moss < 30cm
1144494	23/07/2011	357987	6982158	UTMZ9N_NAD83	Grey	Sand	Flat	C	30	Dry	Good	White Spruce	Thin Moss Cover
1156054	24/07/2011	360288	6976587	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157184	22/07/2011	355940	6982486	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Dry	Good	Old Burn	Burnt Moss
1144177	21/07/2011	352619	6977930	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Dry	Poor	No Tree Cover	Reindeer Lichen
1156094	25/07/2011	363392	6976867	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Rock Cover
1144252	23/07/2011	358569	6983276	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	B	60	Damp	Poor	No Tree Cover	Thin Moss Cover
1144178	21/07/2011	352633	6977982	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	30	Dry	Poor	No Tree Cover	Rock Cover
114438	22/07/2011	357968	6984423	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Bare Soil
1157180	22/07/2011	355746	6982547	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	50	Dry	Excellent	Old Burn	Burnt Moss
1157489	23/07/2011	355606	6983358	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	50	Wet	Good	Subalpine Fir	Sphagnum Moss > 30cm
1053268	20/07/2011	362219	6968464	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	B	50	Damp	Excellent	No Tree Cover	Rock Cover
1144222	22/07/2011	355088	6982594	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1156076	24/07/2011	360505	6975649	UTMZ9N_NAD83	Dark Grey Black	Clay	Flat	B	70	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1159003	23/07/2011	358745	6980726	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	C	40	Damp	Good	White Spruce	Thin Moss Cover
1159196	25/07/2011	363161	6976729	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1144292	24/07/2011	358939	6981674	UTMZ9N_NAD83	Chocolate Brown	Clay	Flat	B	40	Damp	Good	No Tree Cover	Reindeer Lichen
1056023	20/07/2011	362502	6968719	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Grass Cover
1144131	23/07/2011	358235	6981365	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Excellent	No Tree Cover	Leaf Cover
1144283	23/07/2011	358468	6982331	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	50	Damp	Good	No Tree Cover	Thin Moss Cover
1152378	26/07/2011	360416	6970919	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	Dwarf Birch	Reindeer Lichen
1156001	24/07/2011	359096	6981287	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Good	Old Burn	Thin Moss Cover
1062162	20/07/2011	361440	6968655	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	50	Damp	Good	Old Burn	Sphagnum Moss < 30cm
1144130	23/07/2011	358282	6981383	UTMZ9N_NAD83	Grey	Sand	Flat	C	30	Dry	Excellent	No Tree Cover	Rock Cover
1157041	22/07/2011	356209	6984374	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	40	Damp	Good	Subalpine Fir	Thin Moss Cover
1157355	22/07/2011	358652	6984589	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	50	Damp	Good	No Tree Cover	Reindeer Lichen
1159114	25/07/2011	364149	6978110	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	110	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1058763	21/07/2011	357156	6980036	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	90	Damp	Excellent	Dwarf Birch	Thin Moss Cover
1144068	23/07/2011	356339	6982365	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	50	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1157333	23/07/2011	355783	6981079	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	70	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144280	23/07/2011	358543	6982397	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	No Tree Cover	Thin Moss Cover
1156311	26/07/2011	359975	6970656	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Good	White Spruce	Sphagnum Moss < 30cm
1157453	22/07/2011	358075	6983116	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Reindeer Lichen
1152055	26/07/2011	363519	6973399	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1144295	24/07/2011	359059	6981580	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1157332	23/07/2011	355833	6981080	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	90	Damp	Good	Old Burn	Burnt Moss
1157361	22/07/2011	358885	6984758	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1159062	24/07/2011	356925	6977662	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	30	Damp	Poor	No Tree Cover	Reindeer Lichen
1061926	23/07/2011	356511	6982666	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	20	Damp	Good	Dwarf Birch	Thin Moss Cover
1157193	22/07/2011	356282	6982170	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Dry	Good	Old Burn	Burnt Moss
1144467	23/07/2011	358470	6981539	UTMZ9N_NAD83	Reddish Brown	Silt	Flat	C	30	Dry	Good	No Tree Cover	Thin Moss Cover
1152364	26/07/2011	359822	6971181	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	40	Damp	Excellent	No Tree Cover	Reindeer Lichen
1157309	23/07/2011	356895	6981151	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	Old Burn	Burnt Moss
1159195	25/07/2011	363197	6976763	UTMZ9N_NAD83	Grey	Sand	Flat	C	30	Damp	Good	Subalpine Fir	Thin Moss Cover
1156306	25/07/2011	360254	6974589	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	60	Damp	Good	Subalpine Fir	Reindeer Lichen
1144274	23/07/2011	358773	6982594	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	60	Dry	Good	No Tree Cover	Thin Moss Cover
1156123	25/07/2011	362349	6977472	UTMZ9N_NAD83	Dark Brown	Sand	Steep	B	20	Damp	Good	No Tree Cover	Thin Moss Cover
1056025	20/07/2011	362399	6968712	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	40	Damp	Poor	No Tree Cover	Grass Cover
1144365	22/07/2011	358723	6984524	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Thin Moss Cover
1145051	27/07/2011	364810	6968541	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	90	Dry	Excellent	Dwarf Birch	Grass Cover
1157183	22/07/2011	355891	6982500	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Dry	Good	Old Burn	Burnt Moss
1144145	23/07/2011	357548	6981263	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Excellent	Subalpine Fir	Thin Moss Cover
1144454	22/07/2011	355272	6984120	UTMZ9N_NAD83	Grey	Clay	Flat	C	70	Damp	Excellent	Dwarf Birch	Sphagnum Moss < 30cm
1144137	23/07/2011	357947	6981294	UTMZ9N_NAD83	Dark Brown	Clay	Flat	B	30	Damp	Good	No Tree Cover	Leaf Cover
1157421	24/07/2011	361184	6977718	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Dry	Excellent	Willows	Reindeer Lichen
1144207	21/07/2011	353654	6978382	UTMZ9N_NAD83	Dark Brown	Sand	Steep	B	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1157242	22/07/2011	358604	6983530	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	No Tree Cover	Thin Moss Cover
1157415	24/07/2011	361377	6977865	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	40	Dry	Good	No Tree Cover	Rock Cover
1152201	27/07/2011	364893	6968748	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	50	Damp	Poor	No Tree Cover	Rock Cover
1159165	24/07/2011	361301	6976219	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	50	Damp	Excellent	Subalpine Fir	Reindeer Lichen
1144293	24/07/2011	358980	6981644	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Dry	Good	Subalpine Fir	Reindeer Lichen
1053266	20/07/2011	362301	6968528	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	30	Damp	Good	Willows	Thin Moss Cover
1144208	21/07/2011	353628	6978425	UTMZ9N_NAD83	Chocolate Brown	Clay	Steep	B	40	Wet	Good	Subalpine Fir	Sphagnum Moss > 30cm
1157244	22/07/2011	358595	6983632	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	50	Damp	Good	No Tree Cover	Thin Moss Cover
1056021	20/07/2011	362590	6968766	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	30	Damp	Poor	No Tree Cover	Rock Cover
1152067	27/07/2011	369211	6969597	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	60	Damp	Good	Subalpine Fir	Reindeer Lichen
1157238	22/07/2011	358561	6983349	UTMZ9N_NAD83	Chocolate Brown	Silt	Subtle Slope	C	10	Damp	Good	No Tree Cover	Bare Soil
1144128	23/07/2011	358382	6981409	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1157189	22/07/2011	356206	6982357	UTMZ9N_NAD83	Grey	Sand	Subtle Slope	C	50	Dry	Good	White Spruce	Reindeer Lichen
1059535	20/07/2011	362183	6968746	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	20	Damp	Good	Subalpine Fir	Rock Cover
1152102	27/07/2011	363691	6968933	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	C	30	Damp	Good	No Tree Cover	Rock Cover
1144144	23/07/2011	357598	6981266	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1061934	23/07/2011	356315	6982987	UTMZ9N_NAD83	Dark Grey Black	Silt	Subtle Slope	B	60	Damp	Good	Subalpine Fir	Thin Moss Cover
1156122	25/07/2011	362312	6977504	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	10	Damp	Excellent	No Tree Cover	Rock Cover
1159118	26/07/2011	367374	6972186	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	No Tree Cover	Rock Cover
1159368	26/07/2011	360732	6970720	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	30	Damp	Good	Subalpine Fir	Bare Soil
1156121	25/07/2011	362268	6977529	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	20	Damp	Excellent	No Tree Cover	Rock Cover
1157493	23/07/2011	355210	6982800	UTMZ9N_NAD83	Dark Grey Black	Sand	Steep	C	40	Damp	Excellent	No Tree Cover	Thin Moss Cover
1144363	22/07/2011	358780	6984440	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1157116	21/07/2011	357201	6980053	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1157236	22/07/2011	358508	6983264	UTMZ9N_NAD83	Reddish Yellow	Silt	Pronounced Slope	C	20	Dry	Good	No Tree Cover	Thin Moss Cover
1156125	25/07/2011	362395	6977385	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	30	Dry	Excellent	No Tree Cover	Rock Cover
1152026	26/07/2011	367847	6970494	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Grass Cover
1157194	22/07/2011	355987	6982469	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	70	Dry	Good	Old Burn	Burnt Moss
1157490	23/07/2011	355191	6982653	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	20	Damp	Excellent	No Tree Cover	Thin Moss Cover
1152202	27/07/2011	364919	6968703	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Poor	No Tree Cover	Thin Moss Cover
1157426	24/07/2011	361012	6977529	UTMZ9N_NAD83	Reddish Brown	Sand	Pronounced Slope	C	40	Damp	Good	Willows	Thin Moss Cover
1159124	26/07/2011	367652	6972210	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Sphagnum Moss < 30cm
1157476	23/07/2011	355610	6982705	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Rock Cover
1144458	22/07/2011	355141	6984047	UTMZ9N_NAD83	Reddish Yellow	Clay	Subtle Slope	C	40	Dry	Good	Dwarf Birch	Thin Moss Cover
1144300	24/07/2011	359096	6981337	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1058768	25/07/2011	361894	6976496	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1144127	23/07/2011	358424	6981436	UTMZ9N_NAD83	Dark Grey Black	Sand	Flat	C	50	Damp	Excellent	No Tree Cover	Thin Moss Cover
1061948	24/07/2011	360391	6976849	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Dwarf Birch	Thin Moss Cover
1159152	23/07/2011	356846	6981911	UTMZ9N_NAD83	Light Brown	Sand	Pronounced Slope	C	40	Damp	Good	Willows	Thin Moss Cover
1156102	24/07/2011	358714	6978113	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	50	Damp	Excellent	Subalpine Fir	Sphagnum Moss < 30cm
1157112	21/07/2011	357589	6979959	UTMZ9N_NAD83	Dark Brown	Sand	Flat	C	50	Damp	Good	Dwarf Birch	Thin Moss Cover
1156093	25/07/2011	363352	6976896	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Rock Cover
1157181	22/07/2011	355794	6982534	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Dry	Excellent	Old Burn	Burnt Moss

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Text ure	S_Terrain	S_Hor izon	S_Depth	S_Moistu re	S_Quality	S_Vegetation	Ground_Cover
1157367	22/07/2011	358934	6985053	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Excellent	No Tree Cover	Rock Cover
1144139	23/07/2011	357845	6981293	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	No Tree Cover	Rock Cover
1157356	22/07/2011	358703	6984589	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Reindeer Lichen
1144186	22/07/2011	356023	6984639	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	40	Damp	Good	Dwarf Birch	Rock Cover
1157452	22/07/2011	358124	6983126	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	40	Damp	Excellent	No Tree Cover	Rock Cover
1058761	21/07/2011	357347	6980012	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	50	Dry	Excellent	Dwarf Birch	Thin Moss Cover
1157368	22/07/2011	358934	6985053	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Excellent	No Tree Cover	Rock Cover
1157373	23/07/2011	357408	6981296	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	60	Damp	Excellent	No Tree Cover	Thin Moss Cover
1144360	22/07/2011	358842	6984301	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	20	Damp	Poor	No Tree Cover	Rock Cover
1144134	23/07/2011	358097	6981306	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	30	Damp	Excellent	No Tree Cover	Thin Moss Cover
1144190	22/07/2011	355827	6984567	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	60	Damp	Good	No Tree Cover	Reindeer Lichen
1159191	25/07/2011	363275	6976947	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Damp	Good	No Tree Cover	Reindeer Lichen
1144437	22/07/2011	357940	6984382	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	20	Dry	Good	No Tree Cover	Bare Soil
1157454	22/07/2011	357936	6983072	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	30	Damp	Good	No Tree Cover	Rock Cover
1156405	26/07/2011	367983	6971298	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Subalpine Fir	Reindeer Lichen
1053262	20/07/2011	362468	6968654	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	B	30	Damp	Good	No Tree Cover	Reindeer Lichen
1156012	24/07/2011	359169	6980865	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Old Burn	Rock Cover
1144132	23/07/2011	358189	6981345	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	60	Damp	Excellent	Dwarf Birch	Leaf Cover
1152268	27/07/2011	363893	6969099	UTMZ9N_NAD83	Grey	Sand	Steep	C	50	Damp	Good	No Tree Cover	Rock Cover
1156126	25/07/2011	362423	6977343	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	10	Damp	Excellent	No Tree Cover	Bare Soil
1144133	23/07/2011	358139	6981334	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1159367	26/07/2011	360684	6970736	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	B	30	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1144303	21/07/2011	352704	6978325	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	30	Damp	Good	No Tree Cover	Rock Cover
1159174	24/07/2011	360918	6976007	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	90	Damp	Excellent	White Spruce	Sphagnum Moss < 30cm
1156120	25/07/2011	362239	6977571	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Rock Cover
1144358	22/07/2011	358853	6984200	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Rock Cover
1156323	26/07/2011	359703	6970173	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	C	80	Wet	Poor	Dwarf Birch	Grass Cover
1156260	26/07/2011	369775	6970925	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	60	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1144443	22/07/2011	358098	6984576	UTMZ9N_NAD83	Chocolate Brown	Sand	Flat	C	40	Damp	Excellent	No Tree Cover	Reindeer Lichen
1053269	20/07/2011	362188	6968421	UTMZ9N_NAD83	Chocolate Brown	Clay	Pronounced Slope	C	20	Damp	Good	Willows	Thin Moss Cover
1144298	24/07/2011	359096	6981438	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	40	Damp	Good	Subalpine Fir	Reindeer Lichen
1144135	23/07/2011	358048	6981290	UTMZ9N_NAD83	Dark Grey Black	Sand	Pronounced Slope	C	50	Damp	Excellent	No Tree Cover	Thin Moss Cover
1156124	25/07/2011	362380	6977431	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	10	Wet	Excellent	No Tree Cover	Rock Cover
1152008	25/07/2011	362387	6977020	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	20	Dry	Good	No Tree Cover	Rock Cover
1156014	24/07/2011	359218	6980851	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	20	Damp	Good	Old Burn	Rock Cover
1053270	20/07/2011	362184	6968369	UTMZ9N_NAD83	Reddish Yellow	Clay	Pronounced Slope	C	70	Damp	Excellent	Old Burn	Thin Moss Cover
1144103	22/07/2011	355425	6981991	UTMZ9N_NAD83	Grey	Sand	Pronounced Slope	C	70	Damp	Excellent	Dwarf Birch	Reindeer Lichen
1156082	25/07/2011	362849	6977089	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	30	Damp	Good	Dwarf Birch	Rock Cover
1152389	27/07/2011	365025	6969497	UTMZ9N_NAD83	Dark Brown	Sand	Steep	B	20	Damp	Good	No Tree Cover	Thin Moss Cover
1053264	20/07/2011	362384	6968591	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	C	40	Damp	Poor	Willows	Grass Cover
1053263	20/07/2011	362427	6968622	UTMZ9N_NAD83	Dark Brown	Clay	Pronounced Slope	C	40	Damp	Poor	No Tree Cover	Thin Moss Cover
1152001	25/07/2011	362455	6977257	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	40	Damp	Good	No Tree Cover	Rock Cover
1156127	25/07/2011	362458	6977307	UTMZ9N_NAD83	Dark Brown	Sand	Steep	C	5	Dry	Good	No Tree Cover	Rock Cover

SampleNo	SampleDate	Easting	Northing	EastNorthDatum	S_Colour	S_Texture	S_Terrain	S_Horizon	S_Depth	S_Moisture	S_Quality	S_Vegetation	Ground_Cover
1144367	22/07/2011	358848	6984251	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Rock Cover
1144359	22/07/2011	358848	6984251	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	C	20	Dry	Good	No Tree Cover	Rock Cover
1157475	23/07/2011	355607	6982654	UTMZ9N_NAD83	Dark Brown	Sand	Steep	B	20	Damp	Good	No Tree Cover	Thin Moss Cover
1056022	20/07/2011	362551	6968732	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	20	Damp	Good	No Tree Cover	Rock Cover
1159116	26/07/2011	367301	6972059	UTMZ9N_NAD83	Dark Brown	Sand	Pronounced Slope	C	40	Damp	Good	No Tree Cover	Thin Moss Cover
1159291	25/07/2011	360553	6973972	UTMZ9N_NAD83	Dark Brown	Clay	Subtle Slope	B	70	Wet	Good	Subalpine Fir	Sphagnum Moss < 30cm
1004194	20/07/2011	363621	6968991	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	30	Wet	Good	No Tree Cover	Reindeer Lichen
1004196	20/07/2011	363525	6969022	UTMZ9N_NAD83	Light Brown	Sand	Subtle Slope	C	70	Damp	Excellent	No Tree Cover	Rock Cover
1004197	20/07/2011	363474	6969028	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	C	50	Damp	Excellent	No Tree Cover	Rock Cover
1056012	20/07/2011	363010	6968955	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	20	Damp	Good	No Tree Cover	Reindeer Lichen
1056013	20/07/2011	362967	6968928	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	C	20	Damp	Good	No Tree Cover	Rock Cover
1056016	20/07/2011	362821	6968874	UTMZ9N_NAD83	Chocolate Brown	Clay	Subtle Slope	B	30	Damp	Good	No Tree Cover	Reindeer Lichen
1144219	22/07/2011	355242	6982583	UTMZ9N_NAD83	Dark Brown	Sand	Subtle Slope	B	30	Damp	Good	No Tree Cover	Thin Moss Cover
1144223	22/07/2011	355043	6982570	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	50	Damp	Good	No Tree Cover	Reindeer Lichen
1144230	22/07/2011	354858	6982276	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Dwarf Birch	Thin Moss Cover
1144232	22/07/2011	354811	6982184	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	60	Damp	Good	Dwarf Birch	Thin Moss Cover
1144234	22/07/2011	354769	6982091	UTMZ9N_NAD83	Dark Grey Black	Sand	Subtle Slope	C	60	Damp	Good	Old Burn	Reindeer Lichen
1144237	22/07/2011	354720	6982004	UTMZ9N_NAD83	Reddish Yellow	Sand	Pronounced Slope	B	40	Damp	Good	Old Burn	Reindeer Lichen
1156201	27/07/2011	366168	6967876	UTMZ9N_NAD83	Grey	Clay	Subtle Slope	B	70	Damp	Good	Willows	Leaf Cover
1156202	27/07/2011	366168	6967823	UTMZ9N_NAD83	Grey	Sand	Flat	B	50	Damp	Good	Willows	Leaf Cover
1156203	27/07/2011	366162	6967773	UTMZ9N_NAD83	Chocolate Brown	Silt	Pronounced Slope	B	50	Damp	Good	Birch Forest	Leaf Cover
1156204	27/07/2011	366164	6967720	UTMZ9N_NAD83	Chocolate Brown	Silt	Subtle Slope	B	50	Damp	Poor	Birch Forest	Leaf Cover
1156208	27/07/2011	366140	6967519	UTMZ9N_NAD83	Chocolate Brown	Sand	Subtle Slope	B	40	Damp	Good	Birch Forest	Leaf Cover
1156213	27/07/2011	366288	6967334	UTMZ9N_NAD83	Grey	Clay	Flat	B	50	Damp	Good	Black Spruce	Sphagnum Moss > 30cm
1157144	25/07/2011	364024	6976699	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	50	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157145	25/07/2011	364075	6976698	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157146	25/07/2011	364124	6976686	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	B	40	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1157147	25/07/2011	364173	6976676	UTMZ9N_NAD83	Chocolate Brown	Sand	Pronounced Slope	C	40	Damp	Good	Subalpine Fir	Sphagnum Moss < 30cm
1157149	25/07/2011	364222	6976668	UTMZ9N_NAD83	Light Brown	Clay	Subtle Slope	A	30	Damp	Good	Dwarf Birch	Sphagnum Moss < 30cm
1157233	22/07/2011	358379	6983182	UTMZ9N_NAD83	Reddish Yellow	Sand	Subtle Slope	C	20	Damp	Good	No Tree Cover	Thin Moss Cover
1159315	25/07/2011	359561	6976258	UTMZ9N_NAD83	Chocolate Brown	Sand	Steep	C	30	Damp	Good	Dwarf Birch	Reindeer Lichen

APPENDIX IV

Rock sample description and location Data

[illegible]

[illegible]

APPENDIX V

Soil sample assay certificates



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Submitted By: Mike Skead
Receiving Lab: Canada-Whitehorse
Received: August 05, 2011
Report Date: August 25, 2011
Page: 1 of 11

CERTIFICATE OF ANALYSIS

WHI11001007.1

CLIENT JOB INFORMATION

Project: PDM
Shipment ID:
P.O. Number
Number of Samples: 293

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	293	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	293	Dry at 60C			VAN
1DX2	293	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.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Project: PDM
Report Date: August 25, 2011

Page: 2 of 11 Part 1

CERTIFICATE OF ANALYSIS

WHI11001007.1

	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 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
1152261	Soil	4.3	105.9	123.3	336	1.2	32.2	7.9	406	5.09	13.0	1.6	5.8	1.0	26	1.0	7.8	0.7	85	0.04
1152268	Soil	1.1	156.4	41.1	180	0.2	49.7	24.3	688	5.24	4.6	0.8	27.7	5.6	71	0.6	4.5	0.8	53	0.08
1152263	Soil	15.2	130.5	109.0	379	1.8	52.7	14.6	937	6.95	29.9	2.3	9.2	2.5	76	1.3	28.8	0.5	120	0.06
1152266	Soil	18.4	208.7	43.9	629	2.8	98.6	11.1	643	8.59	40.8	3.1	11.2	3.5	86	1.5	13.2	0.4	260	0.06
1152269	Soil	12.5	197.0	48.8	194	0.5	63.8	34.0	2602	5.97	31.6	11.8	9.5	5.7	283	0.7	4.8	0.5	213	0.38
1152267	Soil	7.3	150.3	58.5	480	0.3	96.8	43.4	879	6.14	15.8	1.3	4.9	2.9	89	1.3	7.5	0.4	96	0.05
1152262	Soil	7.2	77.9	59.1	247	0.9	38.2	13.6	1272	4.46	13.6	1.5	6.2	0.4	29	0.8	8.7	0.5	80	0.05
1152270	Soil	0.3	34.3	20.6	53	<0.1	26.4	17.8	408	2.46	12.0	0.5	2.6	6.9	45	0.1	8.0	0.4	25	0.23
1152271	Soil	2.1	32.5	28.1	109	0.1	28.5	9.9	296	2.86	27.9	0.9	1.3	2.5	39	0.5	3.7	0.8	48	0.12
1152272	Soil	1.6	30.6	44.0	113	<0.1	22.2	12.8	378	2.64	33.3	0.9	4.4	0.9	47	0.4	8.8	0.8	40	0.08
1152265	Soil	16.8	184.8	37.7	573	2.4	89.0	9.8	572	7.68	37.1	2.9	8.7	3.5	81	1.4	11.9	0.3	230	0.06
1152260	Soil	6.8	61.0	94.5	230	1.4	28.1	6.7	624	4.71	22.4	1.4	5.1	0.3	51	0.8	8.5	0.4	85	0.04
1152259	Soil	6.3	103.8	191.4	250	2.0	62.9	19.2	1754	4.79	39.0	1.6	9.7	2.3	32	1.1	9.2	0.5	71	0.06
1152264	Soil	4.0	51.5	373.0	899	1.9	24.7	15.4	851	7.54	69.3	1.8	2.1	5.9	47	2.6	65.1	2.0	75	0.10
1152256	Soil	6.8	108.8	43.7	195	0.5	33.9	7.1	264	5.17	24.7	1.2	3.3	4.1	129	0.4	9.6	0.3	99	0.05
1152258	Soil	7.9	151.2	41.3	224	1.7	51.9	11.8	643	6.15	41.1	1.8	11.4	4.9	82	0.6	13.8	0.4	172	0.05
1152257	Soil	4.8	85.9	25.3	187	0.4	39.9	8.1	384	4.58	16.7	1.1	3.1	2.9	99	0.3	6.3	0.3	122	0.04
1159086	Soil	5.2	131.2	12.7	210	0.5	38.2	5.2	213	7.93	34.8	1.9	6.8	3.8	109	0.3	5.8	0.4	122	0.03
1152252	Soil	3.5	64.9	31.2	207	0.3	47.3	9.0	447	4.87	14.0	1.2	2.5	2.1	57	0.2	4.6	0.3	95	0.04
1152389	Soil	3.9	93.1	17.4	159	0.8	26.7	6.3	431	4.72	67.7	1.2	49.2	2.0	72	0.4	6.3	0.7	102	0.06
1152253	Soil	4.1	131.7	50.5	289	0.6	71.8	31.8	530	6.14	17.6	1.6	5.0	6.0	178	0.8	7.5	0.7	92	0.08
1152251	Soil	2.7	67.8	26.7	155	0.3	40.6	9.2	309	4.63	13.5	1.2	0.8	1.7	58	0.3	3.5	0.3	76	0.05
1152386	Soil	3.3	98.7	6.3	94	0.4	35.0	3.7	162	9.51	108.6	1.3	8.9	5.8	127	<0.1	4.1	1.2	67	0.02
1152388	Soil	6.1	125.8	12.1	161	1.0	25.0	5.9	251	7.50	61.3	1.5	7.3	2.2	97	0.2	6.0	0.6	70	0.04
1152387	Soil	13.0	191.6	15.3	320	1.6	49.4	12.4	284	12.73	71.8	1.7	5.9	3.8	221	0.2	10.1	0.4	92	0.05
1159088	Soil	4.1	79.5	11.7	90	1.1	8.3	1.1	66	3.98	21.5	1.2	6.4	2.5	13	0.1	5.5	0.2	96	0.02
1152390	Soil	3.3	94.6	11.7	159	1.1	31.2	5.7	165	5.52	43.0	1.2	5.1	0.5	47	0.6	4.4	0.6	72	0.06
1159085	Soil	4.8	158.7	10.8	219	0.8	40.0	9.2	268	8.20	61.6	2.1	6.7	4.2	283	0.3	8.1	0.5	102	0.09
1159091	Soil	3.2	76.0	24.5	214	0.2	26.5	5.1	83	3.29	7.0	1.2	0.9	7.7	4	0.2	2.3	0.4	41	0.01
1152255	Soil	6.6	58.8	71.8	192	0.7	49.2	11.6	378	3.59	18.6	1.0	4.1	3.3	88	0.6	7.7	0.3	103	0.09



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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
1152261	Soil	15	33	0.48	349	0.021	5	1.96	0.008	0.23	<0.1	0.05	1.6	0.4	0.16	6	3.6	<0.2
1152268	Soil	35	47	1.33	469	0.077	4	3.04	0.012	0.74	0.1	<0.01	4.9	0.4	<0.05	8	0.6	<0.2
1152263	Soil	27	44	0.61	466	0.033	4	1.74	0.018	0.36	0.1	0.03	3.2	0.6	0.31	6	11.5	0.3
1152266	Soil	22	83	0.99	539	0.072	4	2.96	0.030	0.38	0.1	0.04	5.2	1.0	0.41	9	8.6	0.3
1152269	Soil	23	47	1.65	438	0.090	3	3.51	0.033	0.73	0.2	0.02	6.1	0.6	0.37	10	2.3	0.2
1152267	Soil	17	36	0.84	643	0.028	3	2.68	0.008	0.46	0.1	<0.01	3.6	0.7	<0.05	8	4.2	<0.2
1152262	Soil	15	27	0.27	390	0.013	4	1.20	0.006	0.22	<0.1	0.06	0.8	0.3	0.14	5	5.6	0.3
1152270	Soil	22	30	0.64	260	0.022	2	2.08	0.004	0.55	<0.1	<0.01	3.6	0.6	<0.05	6	<0.5	<0.2
1152271	Soil	14	25	0.42	133	0.029	2	1.76	0.007	0.10	0.3	0.02	2.1	0.2	<0.05	5	0.6	<0.2
1152272	Soil	15	21	0.34	191	0.019	3	1.40	0.007	0.16	0.2	0.04	1.3	0.2	<0.05	5	<0.5	<0.2
1152265	Soil	21	73	1.00	596	0.072	3	2.89	0.028	0.38	0.1	0.04	5.0	1.0	0.35	8	7.5	0.3
1152260	Soil	22	31	0.30	425	0.013	4	1.30	0.008	0.29	<0.1	0.12	1.0	0.6	0.24	5	4.0	<0.2
1152259	Soil	18	37	0.51	320	0.040	2	1.57	0.007	0.19	0.2	0.06	3.0	0.3	0.12	5	2.4	0.2
1152264	Soil	28	23	0.72	459	0.034	2	2.69	0.017	0.31	0.1	0.03	5.3	0.6	0.23	8	2.9	<0.2
1152256	Soil	22	40	0.82	486	0.059	2	2.28	0.024	0.51	<0.1	0.02	3.6	0.9	0.36	7	4.8	<0.2
1152258	Soil	16	79	0.76	504	0.069	2	2.27	0.019	0.59	0.2	0.01	4.9	0.6	0.27	8	7.7	<0.2
1152257	Soil	14	47	0.91	432	0.069	2	2.50	0.017	0.53	<0.1	0.01	4.2	0.8	0.22	8	3.2	<0.2
1159086	Soil	16	52	0.62	269	0.044	1	2.37	0.060	0.59	<0.1	<0.01	3.5	0.4	0.66	6	5.3	<0.2
1152252	Soil	14	40	0.85	265	0.055	2	2.44	0.010	0.34	<0.1	0.02	3.3	0.4	0.13	8	2.0	<0.2
1152389	Soil	9	42	0.59	416	0.066	1	2.05	0.036	0.45	0.1	0.04	3.5	0.4	0.37	7	3.8	<0.2
1152253	Soil	20	42	1.23	544	0.093	2	3.44	0.042	0.78	<0.1	0.02	5.2	0.8	0.40	9	3.8	<0.2
1152251	Soil	13	36	0.75	293	0.050	2	2.50	0.006	0.36	0.1	0.03	3.0	0.4	0.06	7	2.0	<0.2
1152386	Soil	9	38	0.59	168	0.035	<1	4.01	0.020	0.42	<0.1	0.04	4.0	0.4	0.28	10	3.2	<0.2
1152388	Soil	8	28	0.33	258	0.043	<1	2.32	0.032	0.27	0.1	0.04	2.0	0.4	0.34	6	5.7	0.4
1152387	Soil	5	37	0.32	333	0.017	<1	3.65	0.033	0.25	<0.1	0.03	2.3	0.4	0.40	9	11.8	<0.2
1159088	Soil	10	40	0.38	233	0.033	1	1.08	0.006	0.30	<0.1	0.05	2.3	0.5	0.26	4	5.3	<0.2
1152390	Soil	9	33	0.25	233	0.024	2	1.74	0.016	0.18	0.2	0.11	1.3	0.3	0.29	6	4.8	<0.2
1159085	Soil	9	47	0.74	494	0.046	<1	2.87	0.048	0.62	<0.1	0.04	3.5	0.7	0.56	6	3.6	<0.2
1159091	Soil	27	26	0.49	218	0.018	1	1.82	0.003	0.31	<0.1	0.01	2.5	0.3	<0.05	5	2.2	<0.2
1152255	Soil	7	43	0.84	322	0.074	<1	2.96	0.035	0.37	0.1	0.03	4.2	0.6	0.19	8	3.1	<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
1159087	Soil	3.9	66.7	14.7	104	0.6	13.1	1.6	77	5.04	37.8	0.9	4.6	3.7	29	0.1	6.6	0.5	85	<0.01	0.075
1159089	Soil	3.8	67.0	13.5	72	1.3	11.6	1.4	77	4.53	23.8	1.1	7.8	3.1	11	<0.1	6.3	0.3	85	<0.01	0.077
1159090	Soil	12.6	92.0	21.2	76	0.8	12.5	2.3	147	5.52	33.1	1.1	7.6	7.8	22	0.2	11.1	0.4	112	0.04	0.079
1152254	Soil	8.1	104.1	51.5	333	0.7	53.6	14.2	304	5.11	19.4	1.1	2.4	5.3	405	0.8	13.8	0.3	86	0.10	0.114
1152031	Soil	2.0	35.5	10.4	87	<0.1	23.8	7.2	192	2.78	38.6	1.0	4.7	3.1	13	0.2	1.5	0.9	56	0.05	0.044
1152029	Soil	1.9	45.6	11.2	74	0.1	22.1	6.5	167	3.01	76.3	1.1	2.7	2.6	14	0.2	1.8	1.8	55	0.04	0.046
1152032	Soil	2.2	53.7	13.0	101	0.1	28.8	10.3	292	3.03	73.9	1.8	5.7	5.3	14	0.3	2.0	1.1	51	0.06	0.051
1152030	Soil	2.4	35.1	11.3	93	0.2	23.1	6.7	211	2.82	29.1	1.0	6.6	2.1	15	0.4	1.5	0.7	55	0.06	0.057
1152027	Soil	2.9	40.2	11.4	87	0.2	23.5	6.3	224	2.70	37.7	1.3	6.6	2.9	15	0.2	1.7	1.0	54	0.06	0.049
1152021	Soil	2.5	58.0	17.1	138	0.4	34.3	10.5	330	3.41	113.9	1.4	11.5	2.1	32	0.6	1.9	1.3	46	0.12	0.085
1152025	Soil	1.6	34.9	9.1	91	0.2	24.6	7.5	290	2.45	17.2	1.4	8.0	1.1	15	0.6	1.1	0.4	43	0.12	0.078
1152024	Soil	1.9	38.0	11.1	101	0.1	25.9	6.3	191	3.12	20.8	1.1	4.5	1.0	13	0.4	1.4	0.6	59	0.05	0.057
1152023	Soil	1.3	31.1	10.7	62	0.1	13.1	5.2	319	1.82	12.6	0.9	<0.5	0.3	21	0.3	0.8	0.5	37	0.05	0.076
1152026	Soil	1.6	36.7	11.0	85	<0.1	22.4	6.5	316	3.21	19.8	1.0	19.2	1.4	13	0.3	1.0	0.8	78	0.05	0.062
1152028	Soil	2.7	38.7	11.5	86	0.2	23.7	6.2	230	2.77	37.8	1.3	5.1	2.8	16	0.2	1.7	0.9	55	0.07	0.051
1152022	Soil	2.6	55.0	14.7	178	0.4	52.5	17.7	559	3.09	35.1	1.4	9.1	2.4	23	0.6	2.0	0.6	53	0.14	0.071
1152039	Soil	2.3	34.8	22.9	78	0.2	17.4	4.8	148	2.90	43.4	0.9	2.6	2.0	19	0.2	2.0	0.9	49	0.05	0.051
1152042	Soil	1.3	22.5	13.2	38	0.2	7.2	2.1	108	1.38	20.8	0.6	3.8	0.1	20	<0.1	1.0	0.6	30	0.02	0.042
1152044	Soil	1.0	11.9	7.0	27	0.2	4.4	1.8	39	0.90	6.1	0.4	5.1	0.1	6	<0.1	0.5	0.2	27	0.02	0.027
1152047	Soil	2.2	25.0	17.2	71	<0.1	15.2	4.6	242	2.81	27.3	0.7	4.6	2.8	15	0.1	1.4	0.7	63	0.02	0.048
1152041	Soil	2.3	36.7	36.7	110	0.1	25.4	7.1	240	3.39	34.6	0.8	4.2	1.9	20	0.2	2.1	1.0	44	0.05	0.063
1152040	Soil	2.4	35.4	31.8	83	0.1	16.9	4.9	162	3.05	42.4	1.1	3.5	4.4	21	0.1	2.4	1.0	53	0.04	0.041
1152033	Soil	2.6	38.4	14.3	103	0.1	23.9	7.0	201	3.20	49.9	1.1	5.3	1.8	25	0.3	1.9	0.9	55	0.05	0.065
1152038	Soil	2.3	35.5	21.5	89	0.2	21.8	5.5	152	2.69	32.8	1.0	2.9	2.2	16	0.3	1.9	0.6	43	0.07	0.053
1152036	Soil	2.1	41.0	18.0	111	0.1	25.6	8.3	221	2.60	43.6	1.1	6.5	4.6	15	0.3	1.7	0.7	38	0.10	0.061
1152046	Soil	2.8	27.3	20.3	78	0.1	16.4	4.5	164	3.30	21.9	0.8	1.2	0.8	12	0.1	1.7	0.7	54	0.02	0.047
1152045	Soil	3.1	30.4	20.6	97	0.1	21.7	7.6	368	3.13	24.6	0.9	1.7	0.9	12	0.1	1.7	0.5	43	0.03	0.069
1152043	Soil	2.3	35.8	25.8	107	0.2	21.9	7.3	254	3.00	33.0	0.9	4.8	1.5	18	0.3	2.0	0.8	37	0.04	0.058
1152048	Soil	4.4	34.2	18.3	75	0.1	14.1	3.1	138	3.77	79.3	0.8	5.2	3.1	25	<0.1	2.9	1.4	76	0.03	0.065
1152049	Soil	2.8	21.8	11.7	60	0.1	11.9	2.9	125	2.61	28.7	0.6	2.6	1.6	12	0.1	1.3	0.6	75	0.03	0.053



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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
1159087	Soil	13	39	0.34	247	0.018	<1	1.26	0.011	0.28	<0.1	0.05	3.7	0.4	0.27	5	3.6	<0.2
1159089	Soil	20	46	0.34	265	0.032	1	1.06	0.005	0.27	<0.1	0.03	2.6	0.4	0.25	4	4.9	<0.2
1159090	Soil	25	43	0.35	438	0.045	1	1.25	0.010	0.28	<0.1	0.04	3.5	0.6	0.20	6	7.5	<0.2
1152254	Soil	21	32	0.70	342	0.032	2	2.17	0.025	0.62	<0.1	<0.01	3.3	0.7	0.50	5	4.4	<0.2
1152031	Soil	15	26	0.43	159	0.048	1	1.55	0.005	0.13	0.2	<0.01	2.2	0.3	<0.05	5	1.0	<0.2
1152029	Soil	14	26	0.40	142	0.054	<1	1.60	0.005	0.17	0.2	<0.01	1.8	0.4	<0.05	5	0.9	<0.2
1152032	Soil	20	28	0.48	191	0.069	3	1.63	0.005	0.18	0.3	<0.01	3.6	0.3	<0.05	4	1.6	<0.2
1152030	Soil	14	26	0.39	119	0.033	2	1.45	0.004	0.10	0.2	0.02	1.9	0.2	<0.05	4	1.1	<0.2
1152027	Soil	14	25	0.40	126	0.046	1	1.45	0.005	0.12	0.2	0.02	2.1	0.3	<0.05	4	1.8	<0.2
1152021	Soil	12	24	0.35	144	0.039	3	1.50	0.007	0.11	0.3	0.02	1.8	0.2	<0.05	4	1.8	0.2
1152025	Soil	15	23	0.31	112	0.028	2	1.38	0.008	0.09	0.3	0.02	1.3	0.2	<0.05	3	1.2	<0.2
1152024	Soil	16	30	0.38	120	0.040	2	1.52	0.005	0.15	0.2	0.02	1.5	0.2	<0.05	5	1.0	<0.2
1152023	Soil	8	14	0.18	97	0.025	1	1.00	0.016	0.12	0.1	0.03	0.8	0.2	<0.05	4	0.7	<0.2
1152026	Soil	13	40	0.46	152	0.064	1	1.62	0.005	0.25	0.1	0.01	1.9	0.3	<0.05	6	0.9	<0.2
1152028	Soil	15	25	0.40	128	0.048	1	1.51	0.005	0.12	0.3	<0.01	2.1	0.2	<0.05	5	2.0	<0.2
1152022	Soil	15	26	0.46	189	0.036	1	1.67	0.006	0.12	0.2	0.02	2.1	0.2	<0.05	4	1.6	<0.2
1152039	Soil	16	23	0.35	130	0.030	<1	1.37	0.006	0.14	0.2	0.03	1.7	0.2	<0.05	5	0.8	<0.2
1152042	Soil	14	7	0.06	91	0.007	<1	0.79	0.008	0.05	<0.1	<0.01	0.6	0.2	<0.05	4	0.5	<0.2
1152044	Soil	12	5	0.03	48	0.008	<1	0.55	0.010	0.04	<0.1	<0.01	0.3	<0.1	<0.05	3	<0.5	<0.2
1152047	Soil	17	33	0.60	140	0.052	<1	1.44	0.004	0.32	<0.1	<0.01	1.7	0.4	<0.05	6	0.7	<0.2
1152041	Soil	19	19	0.27	104	0.026	1	0.99	0.004	0.12	0.2	<0.01	1.5	0.2	<0.05	4	1.1	<0.2
1152040	Soil	20	25	0.40	155	0.044	2	1.39	0.004	0.20	0.2	<0.01	2.2	0.3	<0.05	4	<0.5	<0.2
1152033	Soil	16	28	0.47	175	0.028	<1	1.77	0.006	0.14	0.2	0.02	1.7	0.3	<0.05	5	1.2	<0.2
1152038	Soil	16	20	0.30	120	0.031	<1	1.37	0.011	0.10	0.2	0.02	3.9	0.2	<0.05	4	0.8	<0.2
1152036	Soil	16	18	0.38	120	0.035	<1	1.25	0.004	0.12	0.2	0.02	1.8	0.2	<0.05	3	1.3	<0.2
1152046	Soil	16	29	0.38	127	0.019	2	1.41	0.006	0.16	0.2	<0.01	1.1	0.3	<0.05	5	0.9	<0.2
1152045	Soil	19	20	0.27	106	0.014	1	1.09	0.003	0.13	0.1	<0.01	1.2	0.2	<0.05	4	1.4	<0.2
1152043	Soil	20	18	0.28	100	0.022	<1	1.02	0.007	0.12	0.2	0.02	1.3	0.2	<0.05	4	<0.5	<0.2
1152048	Soil	14	25	0.43	174	0.043	<1	1.47	0.006	0.17	0.3	<0.01	1.8	0.3	<0.05	6	1.9	<0.2
1152049	Soil	16	24	0.33	121	0.036	<1	1.25	0.004	0.15	0.1	<0.01	1.5	0.2	<0.05	7	1.1	<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
1152034	Soil	2.0	48.6	13.3	95	0.1	24.7	7.6	203	2.73	71.1	1.7	5.7	3.4	16	0.3	1.8	1.2	44	0.09	0.064
1152035	Soil	2.1	38.2	14.5	96	<0.1	23.4	6.9	197	3.02	60.1	1.2	3.2	2.8	16	0.3	1.8	1.1	49	0.06	0.055
1152037	Soil	4.1	33.7	20.6	62	0.1	10.7	3.0	147	3.13	59.8	0.8	1.6	1.3	25	0.1	2.7	1.1	73	0.02	0.058
1152392	Soil	2.9	33.3	15.3	104	0.2	22.5	5.9	184	3.30	23.5	0.8	3.1	4.7	16	0.2	1.9	0.5	59	0.03	0.036
1152391	Soil	5.4	68.9	19.7	91	0.1	19.5	3.6	149	4.91	72.8	1.2	9.2	6.1	57	<0.1	4.8	1.1	68	0.03	0.073
1152394	Soil	2.9	29.5	18.0	85	0.1	17.6	5.6	255	3.26	29.5	0.8	<0.5	1.6	12	0.2	1.6	0.6	62	0.04	0.048
1152393	Soil	1.1	11.5	3.8	24	0.1	4.2	1.2	48	0.79	10.3	0.3	2.0	<0.1	7	0.2	0.5	0.3	24	0.02	0.025
1152050	Soil	2.3	16.6	8.8	41	0.1	7.5	2.0	71	1.93	23.0	0.5	<0.5	1.2	11	<0.1	1.3	0.6	61	0.04	0.041
1156165	Soil	2.1	28.8	117.2	101	1.2	16.7	4.9	193	2.75	16.7	0.7	3.3	2.3	13	0.3	2.6	0.5	46	0.05	0.042
1156162	Soil	1.7	38.3	268.4	209	0.5	23.3	7.0	253	2.40	9.9	0.8	5.9	1.4	16	0.5	3.0	0.2	31	0.09	0.071
1156163	Soil	1.6	31.2	38.5	120	0.2	20.9	6.4	203	2.42	10.2	0.9	3.3	2.3	16	0.5	2.6	0.2	35	0.11	0.068
1156164	Soil	2.1	35.3	19.5	161	0.2	29.0	10.5	393	2.40	10.6	1.0	4.9	3.9	17	1.1	2.1	0.2	38	0.15	0.080
1156158	Soil	2.0	35.4	30.3	102	0.2	22.1	6.6	199	2.69	12.5	0.9	2.2	1.4	15	0.4	3.5	0.3	41	0.10	0.068
1156161	Soil	2.0	41.6	31.8	114	0.1	22.4	7.0	216	2.55	10.2	0.8	3.2	2.3	13	0.5	2.9	0.3	38	0.09	0.059
1156160	Soil	2.1	47.0	28.9	113	0.2	21.5	8.4	236	2.64	10.1	0.8	2.1	1.9	15	0.4	3.8	0.3	36	0.07	0.063
1156159	Soil	2.2	33.5	27.4	99	0.2	20.8	5.9	185	2.61	11.3	0.9	4.0	0.7	14	0.4	3.3	0.3	42	0.07	0.064
1156154	Soil	2.3	35.8	63.5	132	0.6	18.9	4.8	233	2.56	12.7	0.8	6.3	0.5	13	0.6	4.2	0.3	47	0.05	0.073
1156157	Soil	1.9	34.6	21.2	102	0.2	20.4	5.3	181	2.52	10.4	0.9	3.4	1.0	15	0.4	3.7	0.2	39	0.08	0.069
1156155	Soil	2.1	34.1	27.0	103	0.3	16.6	4.2	125	2.46	11.5	0.8	2.9	0.3	15	0.3	4.2	0.2	44	0.05	0.069
1156156	Soil	2.0	32.0	15.9	103	0.2	19.2	5.0	188	2.32	10.4	0.7	0.6	0.2	13	0.3	2.5	0.3	43	0.07	0.076
1156184	Soil	3.7	46.1	50.6	152	0.5	24.0	6.8	323	4.02	74.6	0.8	4.2	3.7	27	0.6	4.2	2.7	85	0.06	0.048
1156183	Soil	3.7	56.9	57.4	127	0.4	20.7	6.8	265	3.96	87.2	0.9	6.8	4.4	35	0.3	6.7	3.0	66	0.05	0.068
1156186	Soil	1.5	29.6	26.5	84	0.3	16.4	5.9	232	1.41	15.8	0.6	2.2	0.8	16	0.3	2.0	0.5	27	0.07	0.042
1156185	Soil	3.5	55.8	53.9	180	0.6	27.7	8.7	308	4.23	78.7	0.9	8.8	5.0	32	0.6	5.5	4.6	81	0.07	0.048
1156182	Soil	3.1	61.4	82.8	219	0.3	41.6	20.4	1047	3.58	62.2	1.4	8.4	3.7	33	0.8	5.9	3.8	52	0.19	0.143
1156180	Soil	4.1	59.1	80.5	143	1.1	22.6	6.2	191	4.56	46.9	0.6	13.3	5.2	33	0.3	6.2	2.1	56	0.04	0.058
1156178	Soil	3.4	62.0	40.6	111	0.5	15.5	5.4	485	6.84	21.8	0.7	1.5	4.4	26	0.2	3.2	0.9	46	0.04	0.110
1156179	Soil	3.6	75.6	30.4	134	0.3	28.4	6.8	224	4.42	15.3	0.6	2.8	5.1	35	0.1	2.3	0.6	44	0.03	0.080
1156181	Soil	3.5	37.3	13.1	77	0.6	9.7	2.2	95	2.65	12.9	0.4	1.2	0.4	15	0.2	2.4	0.4	100	0.03	0.077
1156167	Soil	1.7	34.9	99.5	114	0.4	17.7	5.0	154	2.41	11.3	0.7	1.6	2.7	14	0.4	2.7	0.3	35	0.07	0.052



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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
1152034	Soil	19	21	0.41	139	0.042	<1	1.45	0.005	0.13	0.3	<0.01	2.4	0.3	<0.05	4	0.8	<0.2
1152035	Soil	16	22	0.44	144	0.042	<1	1.72	0.005	0.13	0.3	0.02	2.0	0.3	<0.05	5	1.2	<0.2
1152037	Soil	17	22	0.32	206	0.027	<1	1.22	0.004	0.15	0.2	0.02	2.1	0.3	<0.05	6	1.3	<0.2
1152392	Soil	14	30	0.47	176	0.031	2	1.87	0.004	0.14	0.2	0.01	2.4	0.3	<0.05	5	1.0	<0.2
1152391	Soil	17	34	0.61	255	0.051	<1	2.15	0.007	0.26	0.2	<0.01	2.4	0.4	<0.05	5	3.5	<0.2
1152394	Soil	15	26	0.32	140	0.022	1	1.44	0.005	0.14	0.1	0.02	2.3	0.2	<0.05	6	0.8	<0.2
1152393	Soil	7	4	0.04	57	0.008	<1	0.51	0.017	0.04	0.1	<0.01	0.4	<0.1	<0.05	3	<0.5	<0.2
1152050	Soil	11	13	0.14	86	0.039	<1	0.67	0.008	0.09	0.2	<0.01	0.9	0.1	<0.05	7	0.6	<0.2
1156165	Soil	18	21	0.26	140	0.018	2	1.17	0.003	0.10	0.2	0.05	1.6	0.2	0.05	5	<0.5	<0.2
1156162	Soil	17	16	0.23	117	0.011	<1	1.04	0.005	0.06	0.1	0.02	1.6	0.1	<0.05	3	<0.5	<0.2
1156163	Soil	18	18	0.29	118	0.017	1	1.10	0.004	0.07	0.1	<0.01	1.6	0.2	<0.05	3	<0.5	0.2
1156164	Soil	16	20	0.35	146	0.026	1	1.19	0.005	0.08	0.2	<0.01	2.3	0.2	<0.05	3	0.9	<0.2
1156158	Soil	14	20	0.29	145	0.020	2	1.08	0.005	0.07	0.2	0.04	1.8	0.2	<0.05	4	0.9	<0.2
1156161	Soil	19	19	0.27	137	0.017	2	1.06	0.004	0.07	0.1	0.03	1.7	0.2	<0.05	3	0.6	<0.2
1156160	Soil	15	17	0.23	130	0.015	<1	0.93	0.004	0.07	<0.1	0.04	1.6	0.2	<0.05	3	0.8	<0.2
1156159	Soil	13	20	0.26	143	0.015	2	1.07	0.004	0.06	0.1	0.04	1.3	0.1	<0.05	4	0.5	<0.2
1156154	Soil	10	18	0.14	168	0.015	2	0.71	0.004	0.06	0.2	0.06	1.0	0.1	0.06	3	1.0	<0.2
1156157	Soil	12	18	0.23	128	0.019	<1	0.89	0.004	0.07	0.1	0.06	1.7	0.1	<0.05	3	1.0	<0.2
1156155	Soil	11	17	0.15	163	0.012	1	0.85	0.005	0.07	0.1	0.06	0.8	0.1	0.05	3	1.1	<0.2
1156156	Soil	11	17	0.17	146	0.011	1	0.69	0.006	0.08	0.1	0.05	0.7	0.1	<0.05	3	0.8	<0.2
1156184	Soil	13	37	0.58	175	0.054	2	1.98	0.007	0.15	0.3	0.04	2.7	0.3	<0.05	7	0.9	<0.2
1156183	Soil	17	29	0.46	205	0.032	2	1.80	0.005	0.15	0.4	0.06	2.3	0.4	<0.05	5	1.7	<0.2
1156186	Soil	7	11	0.18	147	0.017	2	0.93	0.018	0.08	0.1	0.05	1.1	0.1	<0.05	3	<0.5	<0.2
1156185	Soil	14	35	0.51	230	0.055	2	2.27	0.006	0.15	0.6	0.06	2.6	0.3	<0.05	7	0.9	0.2
1156182	Soil	16	27	0.45	206	0.044	2	2.16	0.009	0.13	0.9	0.05	2.7	0.2	<0.05	5	1.5	0.2
1156180	Soil	17	27	0.38	180	0.013	1	1.61	0.004	0.12	0.2	0.06	2.4	0.3	<0.05	5	2.0	<0.2
1156178	Soil	23	25	0.27	142	0.014	2	1.36	0.004	0.13	0.1	0.05	1.8	0.2	<0.05	6	0.8	<0.2
1156179	Soil	27	23	0.37	151	0.005	2	1.54	0.003	0.15	<0.1	0.04	2.3	0.2	0.06	4	2.0	<0.2
1156181	Soil	22	14	0.05	143	0.006	2	0.76	0.006	0.07	0.1	0.04	0.6	0.2	<0.05	7	<0.5	<0.2
1156167	Soil	20	16	0.20	121	0.019	3	0.87	0.004	0.09	0.1	0.03	1.5	0.1	0.05	3	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	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
1156169	Soil	1.8	36.1	33.5	102	0.3	20.7	6.5	181	2.30	10.2	0.8	2.2	3.1	14	0.4	2.0	0.2	33	0.09	0.064
1156168	Soil	2.0	34.8	50.8	107	0.5	17.5	5.5	163	2.23	10.2	0.6	1.8	1.1	12	0.3	2.1	0.3	35	0.04	0.053
1156166	Soil	1.8	38.5	179.2	111	1.0	15.8	4.8	143	2.41	15.2	0.7	4.4	1.1	14	0.4	3.8	0.3	32	0.05	0.057
1156171	Soil	2.7	54.0	61.7	150	0.2	29.5	11.1	380	3.55	38.1	0.9	7.5	2.7	29	0.5	4.4	1.4	44	0.06	0.063
1156170	Soil	1.3	24.5	19.2	57	0.4	12.6	3.6	84	1.73	5.6	0.6	2.2	0.2	12	0.2	1.1	0.2	31	0.04	0.065
1156172	Soil	1.4	31.3	19.4	42	0.3	7.5	3.5	243	2.20	6.2	0.5	1.2	0.8	11	0.1	1.0	0.2	23	0.06	0.068
1156173	Soil	2.0	42.1	27.3	100	0.3	25.3	9.2	192	2.64	10.6	0.9	1.4	5.7	18	0.3	1.7	0.2	37	0.11	0.065
1156174	Soil	2.2	42.3	29.2	80	0.1	18.3	6.5	195	3.59	13.9	0.7	5.5	4.4	14	0.2	1.8	0.5	44	0.04	0.047
1156176	Soil	2.6	40.3	25.0	74	0.4	10.4	3.7	208	5.67	19.5	0.5	1.7	2.6	12	0.1	2.1	0.7	61	0.04	0.096
1156175	Soil	2.5	67.7	27.0	97	0.2	24.7	7.1	179	3.77	11.6	0.8	3.4	6.6	23	0.3	1.7	0.4	38	0.04	0.056
1156177	Soil	2.7	54.3	31.9	93	0.4	13.0	3.9	410	4.48	13.2	0.5	1.2	0.7	24	0.1	2.0	0.4	43	0.05	0.123
1156377	Soil	2.1	17.0	16.2	17	2.7	2.8	1.0	45	1.01	3.9	0.3	2.8	0.5	13	0.2	2.9	0.2	47	0.04	0.022
1156376	Soil	2.8	11.5	21.8	30	1.5	4.7	1.4	79	1.96	9.6	0.2	1.6	1.4	10	<0.1	2.1	0.3	57	0.02	0.029
1156379	Soil	5.3	30.3	16.1	78	0.5	13.0	3.0	104	2.38	14.5	0.6	3.0	1.5	21	0.1	2.6	0.3	84	0.03	0.054
1156378	Soil	2.0	16.9	5.8	36	1.4	5.1	2.0	100	1.39	5.0	0.3	0.6	0.7	6	<0.1	1.3	0.2	48	0.02	0.026
1057984	Soil	<0.1	6.6	1.2	6	0.2	0.6	0.6	14	0.35	<0.5	0.2	<0.5	<0.1	8	<0.1	<0.1	<0.1	9	0.04	0.016
1156381	Soil	4.2	28.7	14.2	97	0.5	15.0	5.0	222	2.88	15.4	0.6	2.1	2.3	25	0.2	2.0	0.3	82	0.04	0.045
1156380	Soil	4.5	23.3	13.9	71	2.0	12.5	3.8	247	3.28	13.3	0.6	5.1	1.7	12	0.2	2.2	0.3	82	0.03	0.059
1156382	Soil	8.3	30.9	16.6	41	1.2	4.7	1.2	27	2.82	37.2	0.4	<0.5	1.5	79	0.2	4.1	0.4	124	0.02	0.070
1057983	Soil	1.3	8.9	4.1	24	0.7	3.5	1.1	40	0.79	4.3	0.3	<0.5	0.3	5	0.1	0.7	0.2	33	0.03	0.016
1057981	Soil	2.0	50.7	11.1	48	0.9	9.2	2.4	73	3.73	6.2	0.3	1.2	1.8	28	<0.1	2.5	0.3	51	0.02	0.050
1057982	Soil	3.1	29.8	9.6	82	0.4	10.1	2.2	58	2.71	16.9	0.5	<0.5	1.7	36	<0.1	2.6	0.3	85	0.02	0.057
1057985	Soil	0.7	6.0	2.7	13	1.2	1.8	0.8	19	0.45	1.2	0.1	<0.5	0.1	6	<0.1	0.3	<0.1	18	0.03	0.012
1156374	Soil	9.9	5.7	26.3	3	2.3	2.0	<0.1	11	0.44	<0.5	0.3	2.8	0.5	23	<0.1	1.1	0.2	20	<0.01	0.014
1156373	Soil	13.8	49.8	15.9	7	4.4	4.2	0.3	14	0.96	3.7	1.6	11.5	1.1	39	<0.1	4.3	0.3	81	0.01	0.019
1156372	Soil	8.0	101.7	11.9	166	2.2	31.1	4.0	124	2.73	15.8	0.9	2.3	2.0	39	0.3	4.2	0.3	90	0.03	0.046
1156375	Soil	12.2	7.2	30.0	4	2.4	2.1	0.2	16	0.63	<0.5	0.3	0.8	0.5	22	<0.1	1.0	0.2	19	<0.01	0.016
1156371	Soil	19.3	148.0	14.5	322	2.9	47.8	7.8	173	4.21	51.3	2.1	<0.5	1.6	217	0.2	8.8	0.3	138	0.03	0.104
1156365	Soil	2.6	17.9	16.2	49	0.5	9.2	2.7	145	3.03	13.4	0.4	<0.5	0.7	15	0.1	1.8	0.4	81	0.03	0.068
1156366	Soil	4.1	25.3	10.7	88	0.5	19.2	5.1	173	2.89	15.7	0.6	4.2	2.6	19	0.3	1.9	0.3	69	0.04	0.038



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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
1156169	Soil	21	16	0.24	126	0.019	2	0.90	0.004	0.09	0.1	0.03	1.7	0.1	0.05	3	1.0	<0.2
1156168	Soil	19	14	0.13	137	0.010	1	0.91	0.005	0.08	0.1	0.03	1.1	0.2	<0.05	3	0.6	<0.2
1156166	Soil	19	16	0.19	145	0.009	2	0.91	0.004	0.09	0.1	0.05	1.2	0.2	<0.05	3	0.9	<0.2
1156171	Soil	18	23	0.36	203	0.018	2	1.36	0.005	0.13	0.1	0.03	2.4	0.3	<0.05	5	1.6	0.3
1156170	Soil	12	13	0.14	112	0.010	<1	0.92	0.009	0.06	<0.1	0.05	0.5	0.1	<0.05	3	0.7	<0.2
1156172	Soil	14	8	0.11	77	0.012	2	0.78	0.013	0.07	<0.1	0.03	0.7	0.2	<0.05	3	<0.5	<0.2
1156173	Soil	23	20	0.34	129	0.023	2	1.24	0.004	0.10	0.2	0.04	2.3	0.2	<0.05	3	0.7	<0.2
1156174	Soil	24	24	0.28	107	0.010	2	1.52	0.003	0.08	0.1	0.04	1.9	0.3	<0.05	5	1.3	<0.2
1156176	Soil	22	24	0.16	97	0.025	2	0.99	0.002	0.12	0.1	0.06	1.4	0.3	<0.05	8	0.8	<0.2
1156175	Soil	28	23	0.34	150	0.007	2	1.61	0.003	0.13	0.1	0.04	2.2	0.4	<0.05	5	1.6	<0.2
1156177	Soil	21	16	0.13	122	0.005	1	0.88	0.003	0.11	0.1	0.05	0.6	0.2	0.07	5	1.0	0.2
1156377	Soil	4	13	0.03	169	0.011	2	0.54	0.012	0.07	<0.1	0.09	0.5	0.2	0.05	5	2.8	0.4
1156376	Soil	5	16	0.03	223	0.017	1	0.39	0.004	0.17	0.1	0.10	0.6	0.4	0.25	6	3.3	<0.2
1156379	Soil	10	19	0.07	168	0.018	2	0.66	0.003	0.08	0.1	0.05	1.5	0.3	<0.05	6	2.5	<0.2
1156378	Soil	10	9	0.02	70	0.025	<1	0.40	0.010	0.03	0.1	0.04	0.5	0.1	<0.05	4	<0.5	<0.2
1057984	Soil	2	1	0.02	37	0.020	<1	0.50	0.023	0.03	<0.1	0.03	0.5	<0.1	<0.05	2	<0.5	<0.2
1156381	Soil	9	30	0.21	230	0.015	3	1.34	0.006	0.10	0.2	0.06	2.1	0.3	<0.05	6	1.6	<0.2
1156380	Soil	10	23	0.16	204	0.023	1	1.31	0.005	0.07	0.2	0.17	1.3	0.3	<0.05	7	1.7	<0.2
1156382	Soil	6	51	0.02	474	0.007	4	0.46	0.004	0.13	0.1	0.01	2.2	0.5	0.12	10	3.8	<0.2
1057983	Soil	5	4	0.03	47	0.015	3	0.60	0.015	0.03	<0.1	<0.01	1.4	<0.1	<0.05	3	0.7	<0.2
1057981	Soil	7	20	0.03	250	0.007	2	0.68	0.009	0.13	<0.1	0.05	2.2	0.3	0.15	5	3.0	0.3
1057982	Soil	7	25	0.03	103	0.016	1	0.50	0.003	0.06	<0.1	<0.01	3.6	0.3	<0.05	5	1.6	<0.2
1057985	Soil	3	3	0.01	35	0.016	2	0.21	0.019	0.03	<0.1	0.03	1.2	<0.1	<0.05	2	<0.5	<0.2
1156374	Soil	2	13	0.01	234	0.002	2	0.17	0.001	0.10	<0.1	0.08	0.5	0.4	0.09	4	10.4	<0.2
1156373	Soil	5	36	0.03	347	0.002	2	0.52	0.003	0.13	<0.1	0.32	1.2	0.5	0.13	8	8.2	<0.2
1156372	Soil	8	28	0.07	267	0.019	<1	0.58	0.005	0.10	0.1	0.06	2.9	0.4	0.06	5	3.6	<0.2
1156375	Soil	3	14	0.01	228	0.003	1	0.19	0.002	0.14	<0.1	0.02	0.8	0.5	0.15	4	9.9	0.2
1156371	Soil	11	40	0.02	627	0.007	1	0.40	0.004	0.14	<0.1	0.06	4.3	0.9	0.19	3	7.2	<0.2
1156365	Soil	8	24	0.13	254	0.021	<1	0.90	0.004	0.10	0.2	0.01	1.6	0.2	0.06	8	3.0	<0.2
1156366	Soil	9	30	0.29	222	0.017	2	1.43	0.004	0.09	0.2	0.05	2.9	0.3	<0.05	6	2.4	<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
1156370	Soil	4.5	37.7	12.5	132	0.5	20.4	6.0	318	3.47	13.9	0.7	0.5	2.4	20	0.4	1.9	0.3	82	0.04	0.066
1156368	Soil	7.0	53.7	11.6	104	0.5	24.5	4.3	146	2.50	14.5	0.9	2.2	1.1	54	0.5	2.1	0.2	74	0.03	0.049
1156367	Soil	4.9	22.9	9.8	66	0.6	12.5	3.2	139	2.02	13.0	0.5	<0.5	2.6	21	0.1	1.7	0.2	68	0.04	0.045
1156364	Soil	3.5	24.2	14.1	84	1.0	16.7	4.7	167	3.07	16.4	0.6	2.6	1.7	16	0.2	2.2	0.4	69	0.05	0.053
1156369	Soil	12.1	87.6	12.1	269	2.2	39.3	6.4	295	3.78	16.4	1.7	3.9	2.4	27	1.2	4.6	0.3	98	0.05	0.053
1057991	Soil	2.6	35.8	7.9	105	1.2	23.8	5.7	255	1.60	5.8	0.8	5.5	0.4	26	1.1	1.4	0.1	42	0.10	0.066
1057987	Soil	4.0	31.7	10.5	112	3.3	21.3	6.6	155	3.24	14.9	0.6	<0.5	2.4	15	0.8	1.9	0.2	65	0.02	0.046
1057992	Soil	3.0	28.3	8.9	116	0.5	17.0	3.1	103	2.19	9.5	0.4	0.5	0.5	18	0.6	1.6	0.1	56	0.04	0.046
1057990	Soil	5.3	42.0	12.3	129	0.6	23.6	7.4	292	2.57	11.5	1.1	7.5	2.1	29	0.7	2.4	0.2	55	0.04	0.079
1057994	Soil	2.6	48.2	6.8	130	0.3	29.4	6.1	368	1.80	5.8	1.4	3.8	2.9	28	0.6	1.1	0.1	40	0.22	0.060
1057995	Soil	3.2	47.2	9.6	147	0.1	29.3	8.0	630	2.17	7.4	1.2	6.7	2.5	23	1.0	1.4	0.2	47	0.16	0.066
1057988	Soil	9.7	48.3	11.1	97	1.2	18.0	5.0	222	2.09	13.7	1.6	5.4	1.9	42	0.8	3.1	0.2	48	0.04	0.066
1057989	Soil	4.8	43.4	12.3	130	0.6	24.8	6.4	245	2.67	11.8	1.1	7.0	2.6	28	0.6	2.4	0.2	51	0.04	0.070
1057993	Soil	2.6	48.1	8.5	130	0.4	32.4	7.6	586	1.94	5.6	2.1	0.6	3.5	29	1.3	1.0	0.1	45	0.33	0.077
1057986	Soil	3.8	39.7	17.9	121	0.9	27.3	9.5	219	3.93	14.1	0.7	8.5	3.4	15	0.3	2.2	0.3	71	0.04	0.049
1157440	Soil	7.5	74.3	11.7	177	0.6	32.4	6.2	181	3.20	11.3	0.8	1.5	0.1	32	0.1	2.8	0.3	51	0.01	0.075
1157438	Soil	4.3	30.5	10.4	251	0.3	15.3	5.0	89	3.42	12.7	0.2	<0.5	0.3	22	<0.1	3.7	0.3	64	0.01	0.056
1157436	Soil	13.9	47.3	10.0	415	0.6	69.1	13.3	883	4.21	12.8	2.1	2.3	0.4	28	1.8	3.5	0.2	82	0.04	0.104
1157435	Soil	5.2	69.4	13.9	187	0.7	31.9	7.4	261	4.24	10.2	2.4	12.0	0.9	46	0.5	2.7	0.2	33	0.02	0.105
1157434	Soil	14.6	70.5	10.8	80	1.5	16.5	2.5	78	2.54	15.6	1.9	2.7	0.3	48	0.3	4.5	0.2	84	0.02	0.087
1157439	Soil	11.6	31.0	15.2	54	3.4	11.2	1.6	53	2.53	24.9	1.7	7.1	0.2	87	0.2	5.3	0.3	91	0.02	0.056
1157437	Soil	1.0	30.4	5.1	54	<0.1	9.3	3.4	94	1.41	3.2	0.4	<0.5	0.1	16	0.2	0.5	<0.1	16	0.02	0.055
1157433	Soil	9.2	54.6	8.5	241	1.1	74.5	9.5	681	3.30	10.9	3.0	<0.5	0.9	17	3.8	4.2	0.1	40	0.32	0.053
1157442	Soil	47.1	72.8	15.8	527	0.5	90.7	6.0	285	2.59	24.0	9.0	0.8	1.0	21	1.4	11.4	0.2	100	0.01	0.053
1157441	Soil	22.1	43.2	9.1	325	0.5	57.2	7.1	292	1.95	15.0	2.1	2.4	0.4	18	1.0	6.6	0.3	115	0.02	0.037
1157432	Soil	11.5	144.4	24.3	290	0.6	89.4	22.9	1207	5.20	18.6	7.9	7.6	3.5	193	2.6	5.7	0.3	52	0.32	0.230
1157443	Soil	4.4	23.3	16.6	66	1.0	11.3	1.8	60	2.40	12.1	0.5	8.0	1.2	20	<0.1	3.1	0.4	33	0.02	0.040
1157445	Soil	5.6	24.3	16.3	88	1.0	18.5	3.8	168	2.48	15.9	0.6	1.9	1.0	17	0.1	2.3	0.4	73	0.02	0.040
1159102	Soil	3.4	22.0	14.0	57	0.7	12.3	3.3	140	1.91	11.4	0.7	11.0	1.5	25	<0.1	2.0	0.3	49	0.04	0.047
1157447	Soil	12.3	78.6	14.7	112	1.6	24.0	4.0	133	3.01	18.5	1.2	2.8	0.9	51	0.1	4.0	0.4	100	0.03	0.057



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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	0.01	0.1	0.05	1	0.5	0.2
1156370	Soil	11	26	0.22	230	0.015	2	1.43	0.004	0.11	0.1	0.01	3.0	0.3	<0.05	6	1.7	<0.2
1156368	Soil	7	29	0.11	276	0.007	<1	0.97	0.005	0.08	0.1	0.02	2.3	0.5	0.06	5	3.2	<0.2
1156367	Soil	11	21	0.14	231	0.018	<1	0.85	0.004	0.08	0.2	0.02	2.1	0.3	<0.05	5	1.5	<0.2
1156364	Soil	10	26	0.24	198	0.019	<1	1.25	0.004	0.10	0.2	0.04	2.1	0.3	<0.05	6	1.9	<0.2
1156369	Soil	11	24	0.20	167	0.016	<1	1.16	0.004	0.09	0.1	0.22	3.0	1.0	<0.05	5	2.6	<0.2
1057991	Soil	7	15	0.19	1056	0.007	2	0.69	0.011	0.10	<0.1	0.12	1.4	0.2	<0.05	3	0.9	<0.2
1057987	Soil	8	21	0.19	313	0.008	<1	1.37	0.004	0.10	<0.1	0.11	2.6	0.2	<0.05	5	1.7	<0.2
1057992	Soil	7	13	0.12	1555	0.012	<1	0.64	0.005	0.07	0.1	<0.01	1.3	0.2	<0.05	4	1.1	<0.2
1057990	Soil	8	18	0.20	1380	0.006	2	0.89	0.003	0.10	0.1	0.09	2.1	0.2	<0.05	3	2.6	<0.2
1057994	Soil	13	16	0.34	1194	0.008	2	0.87	0.004	0.11	<0.1	0.17	2.6	0.1	<0.05	3	1.3	<0.2
1057995	Soil	12	17	0.35	545	0.006	2	1.01	0.004	0.13	<0.1	0.05	2.4	0.1	<0.05	3	0.6	<0.2
1057988	Soil	7	12	0.08	845	0.004	2	0.66	0.004	0.10	<0.1	0.27	2.2	0.6	0.12	2	4.1	<0.2
1057989	Soil	8	17	0.20	1032	0.006	<1	0.86	0.003	0.09	0.1	0.13	2.2	0.3	0.05	3	2.2	<0.2
1057993	Soil	15	17	0.44	748	0.008	3	1.05	0.006	0.12	<0.1	0.11	3.1	<0.1	<0.05	3	0.9	<0.2
1057986	Soil	8	33	0.31	277	0.016	2	2.01	0.006	0.12	0.1	0.10	4.8	0.3	0.05	5	1.6	<0.2
1157440	Soil	5	9	0.03	114	0.005	<1	0.60	0.005	0.05	<0.1	0.04	0.9	0.4	<0.05	3	1.2	<0.2
1157438	Soil	4	13	0.02	98	0.003	1	0.37	0.002	0.06	<0.1	<0.01	1.2	0.1	<0.05	4	1.4	0.2
1157436	Soil	7	13	0.06	347	0.004	<1	0.62	0.003	0.09	0.1	0.12	1.1	0.4	0.07	3	2.8	<0.2
1157435	Soil	6	11	0.04	311	0.006	1	0.61	0.011	0.16	<0.1	0.11	2.4	0.3	0.29	3	1.7	<0.2
1157434	Soil	6	14	0.03	217	0.004	<1	0.58	0.004	0.11	0.1	0.19	0.9	0.4	0.12	3	3.1	<0.2
1157439	Soil	4	19	0.03	200	0.005	<1	0.53	0.004	0.09	<0.1	0.11	0.7	0.4	0.16	4	9.6	0.4
1157437	Soil	3	5	0.03	124	0.009	<1	0.31	0.013	0.06	<0.1	<0.01	0.6	<0.1	0.07	1	0.9	<0.2
1157433	Soil	6	9	0.17	191	0.006	<1	0.73	0.012	0.05	<0.1	0.20	2.6	0.4	0.06	2	2.8	<0.2
1157442	Soil	5	8	0.03	249	0.003	2	0.48	0.002	0.09	<0.1	0.16	1.8	0.8	0.06	2	7.4	<0.2
1157441	Soil	6	10	0.04	354	0.006	1	0.67	0.006	0.07	<0.1	0.05	0.8	0.5	<0.05	3	2.9	<0.2
1157432	Soil	18	17	0.07	875	0.004	<1	0.89	0.004	0.12	<0.1	0.19	4.9	0.3	0.10	2	2.3	<0.2
1157443	Soil	7	14	0.07	190	0.008	2	0.59	0.006	0.10	<0.1	0.11	1.2	0.2	0.09	3	2.3	<0.2
1157445	Soil	8	15	0.12	180	0.021	1	0.87	0.005	0.09	0.2	0.06	1.2	0.2	<0.05	6	1.8	<0.2
1159102	Soil	8	23	0.17	229	0.012	2	0.70	0.004	0.08	0.2	0.09	1.4	0.4	<0.05	5	2.4	<0.2
1157447	Soil	7	27	0.13	162	0.010	2	1.15	0.005	0.09	0.1	0.15	2.0	0.5	<0.05	5	2.1	<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 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
1159101	Soil	0.5	11.1	2.2	15	0.2	1.9	1.1	25	0.58	1.3	0.2	<0.5	<0.1	7	<0.1	0.2	<0.1	20	0.02	0.014
1157446	Soil	7.3	28.7	20.8	84	1.4	17.0	3.4	142	2.75	15.8	0.7	2.0	1.1	28	0.2	3.1	0.4	90	0.02	0.051
1157450	Soil	3.7	18.8	12.7	44	2.0	10.5	3.0	89	1.96	11.0	0.7	13.0	2.3	21	0.1	2.3	0.3	50	0.04	0.025
1157444	Soil	13.6	29.4	22.2	81	5.3	20.9	3.8	117	4.40	19.2	0.9	11.9	0.8	31	0.4	5.9	0.4	138	0.03	0.048
1159105	Soil	4.0	22.8	13.4	68	1.7	13.5	4.2	286	2.54	10.6	0.6	2.8	1.3	12	<0.1	1.8	0.3	69	0.02	0.051
1157448	Soil	1.7	42.8	19.7	17	1.2	12.0	0.7	19	2.38	17.8	2.9	5.5	4.0	181	<0.1	1.9	0.5	74	0.03	0.087
1159103	Soil	2.6	14.5	7.3	30	0.6	5.0	1.4	57	0.97	5.7	0.5	1.2	0.2	14	<0.1	0.9	0.2	41	0.03	0.029
1157449	Soil	3.5	26.9	15.2	52	0.7	10.5	2.8	78	1.90	11.5	0.6	5.4	1.5	22	0.2	2.0	0.3	55	0.03	0.032
1159104	Soil	4.4	13.3	12.7	23	1.1	4.1	0.9	33	1.08	8.8	0.4	2.7	0.5	16	<0.1	2.6	0.3	59	0.01	0.026
1159115	Soil	11.1	84.0	15.7	219	0.7	55.8	13.3	1008	3.03	12.3	3.4	10.4	4.4	37	1.0	2.8	0.2	90	0.13	0.110
1159106	Soil	8.9	15.8	24.7	31	2.4	5.5	1.6	104	1.91	23.3	0.5	6.5	0.5	16	<0.1	4.3	0.3	75	0.01	0.071
1159113	Soil	4.6	38.9	16.0	121	0.5	26.9	11.5	780	2.73	12.0	1.2	7.1	3.0	24	0.3	2.6	0.2	69	0.04	0.088
1159107	Soil	6.7	28.8	18.3	43	1.4	9.6	5.2	262	1.91	10.5	1.1	11.9	2.4	18	<0.1	3.3	0.3	66	0.02	0.044
1159112	Soil	3.7	45.6	13.6	120	0.4	25.7	13.1	1046	2.64	10.4	1.1	8.3	3.9	19	0.5	1.8	0.2	52	0.05	0.084
1159108	Soil	3.4	20.7	7.8	57	0.3	9.5	2.8	127	1.36	7.3	0.4	1.4	0.3	12	<0.1	1.3	0.2	46	0.02	0.044
1159110	Soil	4.4	66.7	14.7	121	0.8	29.0	11.7	924	2.37	11.0	1.2	12.8	3.4	21	0.3	2.4	0.3	54	0.07	0.087
1159111	Soil	4.1	68.3	13.6	113	0.8	31.0	13.1	1037	2.22	9.8	1.4	9.4	3.1	21	0.4	2.3	0.2	50	0.07	0.082
1159114	Soil	58.3	353.6	13.7	837	1.5	218.8	16.3	2979	6.93	28.2	14.6	14.8	5.2	71	6.5	5.3	0.2	279	0.27	0.281
1159109	Soil	4.5	18.4	10.6	58	0.5	9.5	4.0	382	2.22	12.8	0.5	<0.5	0.8	12	<0.1	1.8	0.2	73	0.02	0.094
1159176	Soil	4.2	29.7	9.6	108	0.2	24.7	6.0	167	2.28	12.9	0.4	<0.5	1.4	17	0.4	2.0	0.2	43	0.03	0.039
1159174	Soil	6.7	185.6	16.4	327	1.0	80.9	21.6	928	3.66	29.1	2.1	30.6	2.7	213	1.0	11.1	0.3	55	0.67	0.235
1159177	Soil	2.4	37.0	7.4	79	0.6	25.9	6.0	373	1.86	8.7	1.3	5.3	1.6	51	0.3	1.4	0.2	35	0.32	0.052
1159175	Soil	2.1	60.2	8.5	78	0.3	26.0	7.7	485	1.78	8.3	1.6	4.3	1.2	92	0.6	1.7	0.2	34	0.61	0.050
1159173	Soil	1.3	16.0	10.0	54	<0.1	8.7	3.6	196	1.20	7.6	0.4	<0.5	2.0	18	0.3	1.2	0.3	41	0.07	0.050
1159172	Soil	2.3	51.4	12.9	149	0.1	28.2	11.9	1135	2.26	8.6	0.5	0.7	0.2	35	2.1	2.0	0.3	39	0.08	0.100
1159169	Soil	1.3	24.1	6.3	57	0.1	11.7	7.9	2000	1.05	2.6	0.4	<0.5	0.1	21	1.3	0.7	0.2	24	0.10	0.045
1159170	Soil	2.1	47.3	11.8	101	0.2	30.2	13.0	2862	3.02	9.1	0.6	<0.5	0.9	26	1.1	1.4	0.3	48	0.10	0.053
1159168	Soil	1.3	20.5	8.1	109	<0.1	14.2	7.7	550	1.69	5.8	0.4	<0.5	0.6	13	1.1	0.7	0.3	41	0.07	0.039
1159171	Soil	0.4	10.1	3.2	37	<0.1	3.8	4.0	817	0.73	1.3	0.2	1.0	<0.1	11	0.7	0.2	0.1	15	0.05	0.033
1159167	Soil	4.5	45.3	9.7	113	0.4	23.5	6.4	537	1.94	7.5	0.8	1.4	0.5	25	2.1	2.2	0.3	51	0.05	0.053



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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
1159101	Soil	3	4	0.02	39	0.015	<1	0.34	0.017	0.03	<0.1	<0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
1157446	Soil	7	18	0.06	287	0.019	2	0.70	0.004	0.10	0.1	0.07	1.5	0.3	0.08	6	2.3	<0.2
1157450	Soil	8	20	0.18	227	0.014	<1	1.02	0.007	0.09	0.1	0.14	1.6	0.4	<0.05	4	2.0	<0.2
1157444	Soil	7	38	0.20	372	0.016	2	1.01	0.008	0.29	0.1	0.40	1.4	0.8	0.45	6	7.1	0.4
1159105	Soil	7	21	0.17	117	0.012	1	1.11	0.007	0.08	0.1	0.09	1.5	0.2	<0.05	5	1.6	<0.2
1157448	Soil	7	77	0.05	906	0.006	<1	1.14	0.003	0.18	<0.1	0.13	5.5	0.6	0.28	4	2.1	0.3
1159103	Soil	6	10	0.04	102	0.011	1	0.42	0.012	0.05	0.1	0.03	0.5	0.2	<0.05	4	1.3	<0.2
1157449	Soil	9	17	0.13	220	0.021	1	0.80	0.008	0.09	0.1	0.04	1.4	0.3	<0.05	5	1.5	<0.2
1159104	Soil	4	14	0.03	255	0.007	2	0.35	0.004	0.10	<0.1	0.05	0.7	0.3	0.09	5	3.0	<0.2
1159115	Soil	15	30	0.34	301	0.009	3	1.52	0.005	0.13	<0.1	0.16	3.7	0.3	<0.05	4	2.0	<0.2
1159106	Soil	4	23	0.05	320	0.011	3	0.57	0.005	0.15	<0.1	0.14	0.9	0.6	0.23	6	3.7	0.2
1159113	Soil	12	23	0.31	320	0.011	4	1.27	0.004	0.11	<0.1	0.10	2.4	0.3	<0.05	4	1.7	<0.2
1159107	Soil	6	24	0.13	268	0.006	2	0.98	0.002	0.09	<0.1	0.16	1.5	0.3	<0.05	5	4.3	0.3
1159112	Soil	11	22	0.33	186	0.005	3	1.31	0.003	0.10	<0.1	0.08	2.4	0.2	<0.05	4	1.0	<0.2
1159108	Soil	7	10	0.07	255	0.007	6	0.60	0.005	0.06	<0.1	0.05	0.8	0.1	<0.05	4	0.9	<0.2
1159110	Soil	12	21	0.29	301	0.009	4	1.13	0.002	0.11	<0.1	0.31	2.8	0.2	<0.05	4	1.6	<0.2
1159111	Soil	12	20	0.28	248	0.009	3	0.98	0.004	0.09	<0.1	0.26	2.4	0.2	<0.05	3	1.2	<0.2
1159114	Soil	29	64	0.22	935	0.007	4	2.90	0.004	0.13	0.2	0.59	13.4	0.5	0.08	5	4.6	0.3
1159109	Soil	7	17	0.13	158	0.010	3	0.80	0.004	0.08	0.1	0.02	1.1	0.2	<0.05	6	2.1	<0.2
1159176	Soil	5	8	0.05	123	0.005	2	0.39	0.004	0.07	<0.1	0.05	1.5	0.2	<0.05	2	0.6	<0.2
1159174	Soil	11	17	0.23	634	0.008	3	0.90	0.009	0.15	<0.1	0.21	5.4	0.2	<0.05	3	2.4	<0.2
1159177	Soil	6	11	0.15	1408	0.005	3	0.88	0.017	0.10	<0.1	0.30	2.6	0.2	<0.05	2	1.0	<0.2
1159175	Soil	9	13	0.28	428	0.011	3	0.85	0.012	0.07	0.1	0.11	2.6	0.1	<0.05	3	0.8	<0.2
1159173	Soil	12	9	0.08	155	0.025	1	0.64	0.004	0.05	0.2	<0.01	0.9	0.1	<0.05	4	<0.5	<0.2
1159172	Soil	9	12	0.06	199	0.011	1	0.47	0.007	0.08	0.1	0.01	0.8	<0.1	<0.05	4	<0.5	<0.2
1159169	Soil	5	6	0.04	357	0.012	1	0.54	0.019	0.05	<0.1	0.02	0.5	<0.1	<0.05	3	<0.5	<0.2
1159170	Soil	10	18	0.16	499	0.013	2	1.12	0.011	0.07	0.1	0.03	2.3	<0.1	<0.05	4	0.5	<0.2
1159168	Soil	6	11	0.10	389	0.015	1	0.93	0.013	0.08	0.1	0.02	1.1	<0.1	<0.05	4	<0.5	<0.2
1159171	Soil	1	3	0.03	93	0.017	<1	0.27	0.020	0.03	<0.1	0.02	0.4	<0.1	<0.05	2	<0.5	<0.2
1159167	Soil	8	12	0.05	395	0.012	<1	0.72	0.008	0.07	0.1	0.03	1.2	0.1	<0.05	4	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
1159166	Soil		46.8	91.9	13.3	497	2.5	185.6	23.8	3763	5.03	15.3	5.7	9.9	4.2	13	6.0	7.5	0.2	56	0.02
1159179	Soil		2.5	17.5	10.4	67	0.2	15.7	6.7	256	1.84	9.4	0.7	1.3	2.3	46	0.4	1.0	0.2	37	0.41
1159187	Soil		6.5	75.8	13.2	161	0.3	41.9	9.0	431	2.62	25.1	2.4	6.2	4.4	37	0.5	3.2	0.6	48	0.13
1159186	Soil		6.0	77.0	13.4	159	0.3	43.6	9.9	485	2.77	23.3	2.3	6.1	4.5	38	0.4	3.0	0.5	50	0.14
1159185	Soil		6.5	71.7	13.1	150	0.4	38.9	9.6	465	2.54	23.6	2.6	6.4	3.3	34	0.5	3.2	0.6	52	0.13
1159184	Soil		5.0	32.7	10.1	105	0.2	19.4	5.0	179	1.74	12.0	0.5	<0.5	0.2	24	0.5	2.1	0.2	52	0.04
1159182	Soil		3.4	37.1	9.0	120	0.3	25.9	8.9	247	1.95	10.7	1.8	4.1	2.1	49	0.5	1.7	0.2	39	0.38
1159183	Soil		2.8	24.0	6.6	70	0.2	12.7	6.4	567	1.22	5.7	0.7	1.2	0.6	20	0.6	1.2	0.2	36	0.06
1159178	Soil		2.3	36.3	12.9	102	0.3	47.2	7.0	346	3.05	12.6	0.5	1.6	4.0	35	0.6	1.8	0.2	39	0.42
1159180	Soil		2.6	25.7	6.6	69	0.4	15.3	4.6	287	1.10	6.1	0.8	2.3	0.5	26	0.4	1.1	0.2	32	0.16
1159181	Soil		4.0	28.3	9.1	103	0.1	19.1	7.3	433	1.82	12.4	0.6	1.9	1.2	29	0.4	1.7	0.2	44	0.13
1159155	Soil		16.0	69.4	22.5	284	1.0	55.1	7.7	158	3.15	21.8	0.7	1.3	1.0	109	1.0	7.8	0.3	84	0.02
1159154	Soil		2.8	36.3	7.2	132	0.2	25.9	6.1	123	1.81	6.8	0.2	1.7	0.2	7	0.4	1.9	0.2	34	0.02
1159156	Soil		6.5	21.8	18.1	51	2.3	10.9	1.5	61	1.86	34.6	0.5	12.4	0.8	105	0.4	11.9	0.2	50	0.01
1159157	Soil		1.8	19.3	7.6	55	0.2	10.0	2.8	153	1.51	7.5	0.3	0.7	0.7	14	0.3	1.5	0.2	40	0.03
1159158	Soil		9.1	61.2	16.6	189	2.2	45.2	6.3	188	3.71	24.4	1.1	12.9	2.6	76	0.7	8.8	0.3	76	0.04
1159159	Soil		3.8	32.3	12.7	99	0.3	20.2	8.7	643	2.57	13.4	0.5	0.9	2.0	21	0.3	2.2	0.4	60	0.03
1159161	Soil		6.4	51.5	16.2	210	0.7	31.8	6.8	252	3.21	15.9	0.7	3.4	2.2	19	2.4	2.8	0.3	74	0.03
1159160	Soil		2.6	59.8	9.3	79	0.3	18.1	4.2	94	1.90	6.4	0.7	2.3	0.2	27	0.4	1.4	0.3	50	0.02
1159163	Soil		3.7	104.9	28.0	285	0.4	62.1	16.6	149	4.81	19.0	1.0	3.4	1.5	37	0.3	5.2	0.6	79	0.01
1159162	Soil		2.6	18.4	9.3	59	0.2	11.4	3.2	149	1.75	10.2	0.4	<0.5	1.9	10	0.2	1.2	0.3	54	0.03
1159165	Soil		3.8	62.5	16.9	176	1.1	50.6	8.3	185	3.34	15.8	1.5	17.0	4.4	78	0.7	5.9	0.3	62	0.05
1159164	Soil		2.6	79.1	14.0	133	0.4	40.7	8.2	291	3.79	13.8	1.1	4.3	1.8	107	0.7	4.0	0.3	75	0.04
1152417	Soil		2.7	24.1	12.5	141	0.2	29.7	9.5	367	2.38	15.1	0.9	5.5	3.9	18	0.4	1.8	0.3	60	0.12
1152413	Soil		2.8	37.2	18.3	204	0.4	35.4	10.5	257	2.96	12.4	0.8	1.5	2.8	21	2.2	1.9	0.3	49	0.10
1152416	Soil		2.8	32.2	12.0	137	0.2	34.9	9.9	330	2.22	15.1	1.1	4.3	4.4	19	0.3	1.9	0.2	55	0.12
1152418	Soil		2.9	23.6	13.3	129	0.4	28.0	8.6	509	2.31	13.2	0.8	0.7	1.6	20	0.6	1.5	0.3	57	0.12
1152421	Soil		0.7	21.8	8.4	70	<0.1	11.4	8.1	231	1.97	2.6	0.3	<0.5	2.1	13	0.2	0.3	0.2	26	0.07
1152422	Soil		0.7	27.9	15.0	90	0.4	22.2	9.7	675	1.51	3.4	1.8	0.8	1.3	94	0.8	0.5	0.2	22	0.89
1152414	Soil		2.5	25.2	12.5	128	0.4	32.1	10.4	440	2.29	12.9	0.9	2.2	2.4	16	1.3	1.6	0.2	51	0.10



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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
1159166	Soil	14	7	0.06	647	0.001	<1	0.65	0.001	0.06	<0.1	0.86	6.7	0.4	<0.05	1	3.1
1159179	Soil	7	10	0.13	485	0.006	3	0.50	0.005	0.08	<0.1	0.13	2.2	<0.1	<0.05	2	0.8
1159187	Soil	16	19	0.30	1308	0.023	1	0.93	0.006	0.09	0.3	0.21	3.6	0.2	<0.05	3	1.1
1159186	Soil	15	20	0.30	1286	0.026	2	0.95	0.005	0.11	0.2	0.22	3.7	0.2	<0.05	3	1.2
1159185	Soil	16	19	0.29	1016	0.021	3	0.94	0.005	0.11	0.3	0.19	3.2	0.2	<0.05	3	0.8
1159184	Soil	7	9	0.05	326	0.007	2	0.51	0.004	0.08	0.1	0.02	0.7	0.2	<0.05	3	0.9
1159182	Soil	8	15	0.28	568	0.010	3	0.72	0.007	0.10	0.1	0.07	2.2	0.1	<0.05	3	1.3
1159183	Soil	4	8	0.06	299	0.017	2	0.37	0.010	0.07	<0.1	0.03	1.0	0.1	<0.05	2	0.7
1159178	Soil	7	10	0.08	531	0.002	2	0.40	0.003	0.07	<0.1	0.40	3.8	0.2	<0.05	1	0.7
1159180	Soil	7	10	0.11	589	0.011	2	0.53	0.012	0.08	0.1	0.08	1.0	0.2	<0.05	3	<0.5
1159181	Soil	8	12	0.17	212	0.012	2	0.56	0.008	0.10	0.1	0.02	1.2	0.1	<0.05	3	0.7
1159155	Soil	7	13	0.04	311	0.010	2	0.51	0.004	0.12	0.1	0.06	2.1	0.9	0.16	3	5.5
1159154	Soil	4	8	0.04	143	0.005	<1	0.45	0.009	0.06	<0.1	0.04	0.8	0.2	<0.05	2	0.7
1159156	Soil	3	13	0.03	323	0.004	3	0.33	0.002	0.14	<0.1	0.20	0.8	0.9	0.22	2	10.4
1159157	Soil	7	9	0.06	98	0.024	1	0.47	0.010	0.05	0.1	0.02	0.9	0.1	<0.05	3	0.6
1159158	Soil	8	25	0.18	207	0.017	2	1.24	0.004	0.11	0.2	0.19	2.5	0.5	0.16	4	7.5
1159159	Soil	9	16	0.09	221	0.021	1	0.74	0.004	0.06	0.2	0.02	1.4	0.2	<0.05	4	1.0
1159161	Soil	9	20	0.13	174	0.022	<1	0.86	0.004	0.09	0.2	0.04	1.9	0.3	0.06	5	1.7
1159160	Soil	8	12	0.04	208	0.011	<1	0.59	0.009	0.10	0.1	0.04	0.5	0.1	0.11	3	0.7
1159163	Soil	9	18	0.04	190	0.021	<1	0.58	0.004	0.08	0.1	0.03	3.9	0.2	0.10	5	1.6
1159162	Soil	11	11	0.09	121	0.037	<1	0.60	0.009	0.04	0.2	<0.01	1.0	0.1	<0.05	5	<0.5
1159165	Soil	10	28	0.21	1225	0.022	3	1.42	0.005	0.08	0.1	0.21	3.8	0.2	0.07	3	2.3
1159164	Soil	10	24	0.15	156	0.020	1	1.18	0.008	0.05	0.2	0.06	3.3	0.1	0.05	4	1.0
1152417	Soil	14	22	0.36	297	0.018	2	1.10	0.004	0.11	0.3	0.05	1.9	0.2	<0.05	4	0.5
1152413	Soil	17	22	0.33	236	0.022	1	1.12	0.007	0.12	0.2	0.02	2.0	0.2	<0.05	4	0.6
1152416	Soil	13	21	0.36	315	0.014	1	1.16	0.004	0.08	0.2	0.07	2.1	0.2	<0.05	3	0.6
1152418	Soil	11	24	0.37	331	0.014	2	1.12	0.005	0.11	0.4	0.04	1.7	0.2	<0.05	4	0.5
1152421	Soil	19	12	0.21	183	0.009	1	0.91	0.015	0.09	<0.1	<0.01	1.3	<0.1	<0.05	4	<0.5
1152422	Soil	15	13	0.30	237	0.010	3	1.09	0.023	0.08	<0.1	0.07	1.8	<0.1	0.07	2	0.8
1152414	Soil	14	21	0.35	336	0.018	2	1.16	0.005	0.09	0.2	0.05	1.8	0.2	<0.05	3	0.7



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		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
1152415	Soil	2.0	17.6	10.2	117	0.1	19.9	9.1	558	1.90	8.3	0.6	<0.5	2.7	24	1.1	1.2	0.2	43	0.17	0.068
1152419	Soil	1.9	22.1	14.3	121	0.1	26.7	10.6	380	2.28	12.6	0.6	0.6	4.0	16	0.4	1.2	0.3	41	0.14	0.037
1152420	Soil	0.9	14.1	17.4	129	<0.1	11.4	13.7	1465	2.42	4.0	0.5	<0.5	3.3	10	0.7	0.4	0.3	32	0.05	0.039
1152423	Soil	1.1	39.8	14.8	74	0.4	25.0	10.3	272	2.04	6.6	2.0	1.0	2.9	109	0.4	0.7	0.3	35	0.87	0.053
1152424	Soil	1.6	25.1	14.9	94	0.1	18.2	12.4	439	1.75	7.2	0.9	0.6	2.2	53	0.5	0.8	0.3	34	0.54	0.039
1152410	Soil	4.5	43.7	15.8	168	0.4	24.9	6.5	212	4.08	15.7	0.7	1.9	1.6	19	1.9	2.5	0.3	81	0.03	0.070
1152407	Soil	2.5	22.0	11.1	95	0.3	18.7	7.1	256	2.42	14.0	0.6	1.7	0.7	12	0.8	1.3	0.2	49	0.06	0.063
1152406	Soil	2.3	32.9	14.2	111	0.2	27.0	9.6	266	2.75	11.6	0.8	1.5	3.4	13	0.7	1.3	0.2	44	0.06	0.069
1152404	Soil	3.0	49.9	11.7	95	0.3	17.9	5.2	233	3.25	14.6	0.8	2.3	2.5	15	0.3	2.0	0.2	46	0.05	0.069
1152409	Soil	0.7	22.9	5.3	22	0.6	3.8	2.3	61	1.06	2.3	0.7	<0.5	0.1	9	0.3	0.2	0.1	34	0.04	0.061
1152408	Soil	0.9	8.1	4.2	24	0.2	4.6	1.5	36	0.65	2.2	0.4	<0.5	<0.1	6	0.1	0.3	<0.1	21	0.03	0.030
1152403	Soil	4.0	70.3	15.5	102	0.7	16.3	4.0	134	4.44	17.5	0.7	3.2	2.8	18	0.3	2.4	0.3	56	0.04	0.079
1152405	Soil	2.2	36.3	14.8	121	0.4	27.1	9.6	460	2.75	7.7	0.5	0.8	0.3	13	1.0	1.0	0.3	40	0.03	0.080
1159149	Soil	1.9	25.5	15.9	46	0.2	5.8	1.5	42	1.77	7.3	0.4	0.8	1.2	15	<0.1	0.8	0.3	38	0.03	0.048
1152402	Soil	3.6	70.9	16.0	88	0.7	14.7	3.3	67	4.30	13.2	0.7	2.9	3.3	23	0.1	1.9	0.3	53	0.03	0.095
1152411	Soil	3.8	52.7	22.0	187	0.8	45.7	9.6	189	3.31	17.1	0.9	2.5	3.5	28	0.6	2.8	0.3	53	0.04	0.053
1152412	Soil	2.8	34.9	16.7	315	0.7	27.6	37.6	2334	2.76	6.7	0.5	<0.5	0.4	22	13.9	1.5	0.4	52	0.09	0.066
1152433	Soil	0.3	161.9	14.6	35	0.8	34.2	3.9	167	1.21	4.1	12.2	2.9	0.7	221	0.6	1.3	0.2	33	3.08	0.080
1152429	Soil	0.6	57.2	17.1	56	0.2	19.3	7.0	282	1.49	3.5	1.9	0.5	1.9	107	0.3	0.4	0.2	17	1.12	0.038
1152430	Soil	0.5	36.9	15.8	91	0.1	24.6	9.1	470	2.16	2.2	1.4	<0.5	3.4	66	0.3	0.3	0.2	22	0.81	0.028
1152432	Soil	0.4	42.6	10.8	58	0.2	16.0	4.9	259	1.13	2.7	1.6	0.6	1.0	117	0.5	0.3	0.2	16	1.73	0.049
1152427	Soil	0.8	23.9	21.1	77	<0.1	21.9	10.5	463	2.50	5.3	0.8	0.6	5.6	44	0.2	0.4	0.3	28	0.46	0.020
1152425	Soil	0.9	10.2	8.7	48	<0.1	6.7	3.3	104	1.63	3.7	0.3	0.7	2.4	5	0.2	0.6	0.3	31	0.03	0.016
1152428	Soil	1.0	25.0	24.6	70	<0.1	19.2	9.7	269	2.55	6.9	0.7	<0.5	4.2	32	0.1	0.5	0.3	23	0.29	0.022
1152426	Soil	0.9	15.1	24.7	61	<0.1	17.1	8.3	907	2.51	8.2	0.5	<0.5	5.2	15	0.2	0.4	0.2	19	0.13	0.017
1152378	Soil	2.4	158.0	25.6	222	1.0	57.3	15.0	669	4.28	17.4	0.9	14.7	3.2	9	0.8	8.3	0.5	59	0.04	0.046
1152379	Soil	3.5	55.1	22.1	125	0.2	29.6	9.5	377	2.52	46.1	1.4	5.9	4.0	16	0.4	3.7	1.4	50	0.10	0.071
1152384	Soil	3.2	90.9	16.8	158	0.7	31.2	7.1	252	3.58	19.0	1.2	8.7	3.9	22	0.6	9.3	0.4	57	0.05	0.058
1152383	Soil	3.0	131.4	27.0	138	1.5	29.2	7.0	267	4.71	26.9	1.1	12.3	2.2	12	0.5	7.5	0.6	97	0.03	0.057
1152380	Soil	4.3	79.1	48.4	165	0.4	39.7	15.8	667	3.36	74.1	1.6	6.9	4.9	19	0.4	6.3	2.0	55	0.07	0.079



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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
1152415	Soil	12	15	0.24	374	0.015	<1	0.75	0.005	0.10	0.2	0.02	1.4	<0.1	<0.05	3	0.5
1152419	Soil	20	18	0.31	258	0.010	2	1.08	0.005	0.10	0.1	0.02	1.8	0.1	<0.05	4	<0.5
1152420	Soil	28	15	0.15	233	0.009	1	0.98	0.010	0.14	<0.1	0.01	1.3	<0.1	<0.05	4	<0.5
1152423	Soil	14	20	0.40	310	0.009	2	1.19	0.007	0.11	<0.1	0.05	2.4	0.1	0.06	4	<0.5
1152424	Soil	13	15	0.24	296	0.006	1	1.02	0.009	0.11	<0.1	0.03	1.7	0.1	<0.05	3	0.6
1152410	Soil	13	27	0.20	216	0.014	1	1.45	0.007	0.09	0.2	0.05	1.7	0.2	0.06	6	1.4
1152407	Soil	11	19	0.24	191	0.013	1	0.96	0.007	0.08	0.2	0.04	1.1	0.1	<0.05	4	<0.5
1152406	Soil	17	20	0.32	150	0.019	2	1.09	0.006	0.08	0.2	0.04	1.7	0.1	<0.05	4	0.6
1152404	Soil	17	22	0.24	134	0.020	<1	0.99	0.005	0.09	0.2	0.04	1.4	0.1	<0.05	3	1.2
1152409	Soil	6	8	0.06	97	0.010	<1	0.65	0.020	0.04	<0.1	0.05	0.3	<0.1	<0.05	3	<0.5
1152408	Soil	5	5	0.05	65	0.006	<1	0.41	0.018	0.05	<0.1	0.02	0.2	<0.1	<0.05	2	<0.5
1152403	Soil	16	22	0.15	189	0.014	<1	0.97	0.004	0.13	0.1	0.05	1.6	0.2	0.08	4	2.0
1152405	Soil	16	15	0.16	158	0.007	<1	1.06	0.008	0.09	<0.1	0.03	0.6	0.1	<0.05	4	<0.5
1159149	Soil	24	12	0.06	124	0.011	1	0.59	0.005	0.12	<0.1	0.02	0.8	0.1	0.06	4	<0.5
1152402	Soil	14	21	0.14	199	0.010	<1	1.00	0.004	0.09	0.1	0.06	1.6	0.2	0.09	4	2.2
1152411	Soil	15	21	0.29	160	0.016	<1	1.12	0.005	0.10	0.2	0.06	2.0	0.2	<0.05	4	1.5
1152412	Soil	13	17	0.13	387	0.009	<1	1.14	0.010	0.12	0.1	0.03	0.7	0.2	0.05	4	0.7
1152433	Soil	15	12	0.18	452	0.006	5	0.97	0.021	0.08	<0.1	0.36	2.0	0.1	0.19	3	1.6
1152429	Soil	13	13	0.23	285	0.007	2	1.15	0.020	0.10	<0.1	0.04	2.0	0.1	0.07	3	<0.5
1152430	Soil	25	16	0.24	209	0.015	2	1.26	0.018	0.10	<0.1	0.04	2.6	0.1	<0.05	4	<0.5
1152432	Soil	10	10	0.18	259	0.006	4	0.93	0.026	0.10	<0.1	0.06	1.7	<0.1	0.10	2	0.6
1152427	Soil	28	21	0.33	262	0.006	1	1.37	0.009	0.11	<0.1	0.02	2.2	0.1	<0.05	5	<0.5
1152425	Soil	18	7	0.05	69	0.010	1	0.62	0.006	0.05	<0.1	<0.01	0.8	<0.1	<0.05	4	<0.5
1152428	Soil	21	17	0.28	231	0.003	2	1.05	0.005	0.11	<0.1	0.02	1.8	<0.1	<0.05	4	<0.5
1152426	Soil	18	15	0.25	236	0.004	1	0.89	0.006	0.06	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5
1152378	Soil	8	24	0.17	134	0.013	<1	1.03	0.003	0.04	0.3	0.11	3.7	0.2	<0.05	3	3.1
1152379	Soil	13	20	0.34	245	0.034	<1	1.47	0.008	0.09	0.9	0.05	2.4	0.2	<0.05	4	1.8
1152384	Soil	12	27	0.20	257	0.022	1	0.85	0.003	0.06	0.2	0.08	3.2	0.3	<0.05	4	2.5
1152383	Soil	11	59	0.20	150	0.013	<1	1.21	0.004	0.04	0.3	0.20	3.3	0.2	<0.05	4	4.6
1152380	Soil	13	22	0.38	326	0.032	1	1.89	0.007	0.13	1.1	0.08	3.2	0.3	<0.05	5	2.1



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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
1152381	Soil	3.4	103.2	19.7	179	0.5	42.8	11.8	483	3.65	26.5	1.2	13.0	2.7	13	0.8	10.0	0.5	49	0.04	0.055
1152385	Soil	3.6	89.6	17.2	156	0.6	31.6	7.2	253	3.81	20.5	1.1	9.0	4.1	22	0.6	9.6	0.4	59	0.06	0.058
1152370	Soil	2.8	47.2	21.2	79	1.1	20.5	6.1	290	3.03	22.5	1.7	7.2	0.5	12	0.4	2.5	1.0	59	0.08	0.119
1152377	Soil	2.3	92.5	16.0	162	0.6	43.4	12.1	716	3.32	18.5	1.1	9.8	4.0	15	1.2	4.0	0.3	62	0.12	0.070
1152382	Soil	3.8	46.6	26.6	113	0.4	25.3	8.7	322	2.88	56.1	1.2	4.8	4.3	15	0.5	3.8	1.7	60	0.09	0.070
1152372	Soil	2.7	35.5	12.8	68	0.3	15.5	4.0	161	2.30	30.3	1.0	3.6	0.9	8	0.3	2.3	1.2	56	0.05	0.050
1152353	Soil	6.7	99.4	20.1	131	0.3	35.6	17.5	581	3.52	26.0	3.3	8.2	3.3	43	0.6	3.3	0.5	49	0.10	0.103
1152354	Soil	2.7	48.3	14.5	106	0.1	28.4	11.7	366	3.17	15.0	1.1	4.1	2.7	12	0.4	1.9	0.3	46	0.09	0.066
1152351	Soil	3.3	39.1	17.2	75	0.1	19.8	17.7	1967	3.12	22.0	1.1	2.1	1.8	10	0.3	1.7	0.7	53	0.06	0.089
1152358	Soil	5.0	62.8	15.9	102	0.2	27.0	12.3	548	2.96	18.5	1.9	4.2	1.4	30	0.6	3.1	0.4	49	0.12	0.107
1152364	Soil	3.0	70.5	18.5	130	0.3	29.9	10.6	1197	3.55	19.9	0.9	15.8	2.7	10	0.4	3.6	0.5	44	0.04	0.076
1152366	Soil	3.7	64.9	21.8	124	0.3	29.5	8.6	754	4.01	21.3	0.7	5.0	1.6	11	0.3	3.5	0.6	60	0.03	0.057
1152360	Soil	3.7	47.4	14.8	90	0.2	20.9	8.5	420	2.82	19.3	0.8	5.4	1.9	15	0.3	2.5	0.6	47	0.05	0.056
1152362	Soil	3.0	61.2	15.1	99	0.3	26.7	12.2	476	3.36	16.3	1.0	5.1	3.9	30	0.4	2.5	0.4	35	0.04	0.061
1152357	Soil	9.4	112.6	27.1	139	0.4	41.7	15.9	643	3.38	22.8	7.6	6.8	1.6	91	0.8	3.3	0.5	65	0.32	0.260
1152359	Soil	4.4	51.4	17.7	90	0.1	21.8	9.3	372	3.24	20.0	1.1	3.2	1.0	17	0.3	3.1	0.5	59	0.05	0.070
1152361	Soil	2.7	53.3	15.1	101	0.2	27.7	16.7	1374	3.37	23.3	1.0	2.9	2.0	12	0.4	2.2	0.6	40	0.04	0.073
1152352	Soil	4.6	76.4	15.9	119	0.2	34.8	15.0	804	3.00	24.9	2.2	6.1	3.9	27	0.7	4.2	0.5	42	0.16	0.105
1152369	Soil	3.2	48.2	15.7	85	0.5	22.4	6.9	307	2.74	20.9	1.1	5.9	0.3	11	0.5	2.7	0.8	60	0.05	0.075
1152373	Soil	3.8	64.6	16.6	94	0.5	22.7	5.3	170	2.38	36.6	1.4	6.4	2.6	14	0.3	5.4	0.7	56	0.10	0.063
1152374	Soil	3.0	44.5	17.1	109	0.2	24.5	6.9	335	3.03	17.6	0.9	3.2	2.8	15	0.4	2.5	0.4	62	0.09	0.078
1152371	Soil	2.7	47.2	14.2	115	0.3	32.3	10.8	350	2.55	33.4	1.2	9.9	4.6	18	0.7	2.6	0.9	47	0.18	0.085
1152375	Soil	3.5	75.8	15.1	84	0.6	11.7	1.2	44	1.17	12.6	1.2	5.7	1.1	20	1.6	9.0	0.1	22	0.06	0.019
1152376	Soil	3.7	85.0	15.3	95	0.6	12.7	1.5	51	1.29	13.2	1.2	5.6	1.2	19	1.8	9.4	0.1	23	0.06	0.022
1152368	Soil	2.2	54.3	12.3	81	0.4	22.3	6.9	321	2.48	13.6	0.7	4.1	0.5	10	0.3	2.5	0.4	39	0.07	0.072
1152363	Soil	3.0	55.8	13.0	92	0.3	28.0	10.7	635	2.41	30.0	1.3	5.0	4.5	15	0.4	2.2	0.8	43	0.13	0.074
1152365	Soil	4.2	87.9	22.2	141	0.4	30.5	12.7	563	4.45	19.7	1.1	9.3	3.5	24	0.4	4.5	0.5	45	0.04	0.070
1152355	Soil	3.1	42.1	15.2	115	0.2	27.0	10.8	418	3.18	21.1	1.1	5.6	2.6	15	0.5	2.1	0.6	48	0.11	0.080
1152356	Soil	3.1	56.9	12.9	116	0.1	29.2	10.9	313	3.17	16.2	1.2	5.7	2.4	22	0.4	1.9	0.3	55	0.16	0.114
1152367	Soil	2.3	69.4	13.6	156	1.0	42.6	12.1	783	3.15	15.6	1.0	8.0	3.6	16	0.7	2.3	0.2	53	0.16	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
1152381	Soil	12	24	0.22	168	0.018	<1	0.94	0.003	0.06	0.3	0.12	3.2	0.3	<0.05	4	1.6	<0.2
1152385	Soil	13	28	0.20	251	0.022	<1	0.86	0.003	0.06	0.2	0.08	3.1	0.3	<0.05	4	2.4	<0.2
1152370	Soil	9	29	0.29	302	0.021	1	1.63	0.005	0.08	0.5	0.24	1.6	0.3	<0.05	7	1.9	<0.2
1152377	Soil	13	32	0.29	186	0.022	<1	1.30	0.004	0.05	0.3	0.09	2.9	0.2	<0.05	4	1.4	<0.2
1152382	Soil	12	22	0.32	257	0.042	<1	1.31	0.006	0.08	1.0	0.07	2.5	0.2	<0.05	5	1.4	<0.2
1152372	Soil	9	16	0.17	156	0.029	<1	1.23	0.005	0.04	0.6	0.06	1.3	0.2	<0.05	5	1.3	<0.2
1152353	Soil	12	20	0.27	209	0.020	1	1.30	0.005	0.07	0.3	0.12	3.0	0.3	<0.05	3	2.0	<0.2
1152354	Soil	12	24	0.38	134	0.023	1	1.39	0.004	0.07	0.3	0.04	2.2	0.1	<0.05	4	1.0	<0.2
1152351	Soil	9	24	0.23	144	0.029	<1	1.33	0.006	0.06	0.3	0.05	2.0	0.2	<0.05	6	0.7	<0.2
1152358	Soil	11	14	0.16	184	0.015	1	0.70	0.004	0.06	0.2	0.12	2.1	0.2	<0.05	3	1.1	<0.2
1152364	Soil	7	25	0.16	120	0.022	<1	1.18	0.003	0.05	0.3	0.10	2.6	0.1	<0.05	4	2.0	<0.2
1152366	Soil	7	23	0.18	125	0.029	<1	0.83	0.003	0.06	0.4	0.05	1.9	0.2	<0.05	5	1.8	<0.2
1152360	Soil	11	18	0.21	239	0.025	1	0.85	0.003	0.08	0.3	0.05	1.8	0.2	<0.05	5	1.1	<0.2
1152362	Soil	10	20	0.27	223	0.011	<1	1.54	0.003	0.08	0.3	0.05	2.6	0.2	<0.05	4	1.2	<0.2
1152357	Soil	20	20	0.29	301	0.013	1	1.14	0.005	0.10	0.3	0.14	2.4	0.3	<0.05	4	1.9	<0.2
1152359	Soil	10	18	0.20	184	0.026	<1	0.79	0.003	0.05	0.3	0.03	2.0	0.2	<0.05	5	1.3	<0.2
1152361	Soil	9	21	0.21	157	0.019	1	1.25	0.003	0.06	0.4	0.07	2.2	0.2	<0.05	4	1.2	<0.2
1152352	Soil	13	19	0.28	270	0.022	<1	1.03	0.005	0.07	0.3	0.09	3.1	0.2	<0.05	3	1.0	<0.2
1152369	Soil	11	25	0.22	254	0.014	<1	1.29	0.003	0.07	0.3	0.10	0.9	0.2	<0.05	5	1.4	<0.2
1152373	Soil	11	20	0.26	234	0.021	<1	1.05	0.004	0.06	0.4	0.08	2.4	0.2	<0.05	4	1.9	<0.2
1152374	Soil	10	25	0.32	186	0.023	<1	1.10	0.004	0.07	0.3	0.04	2.1	0.2	<0.05	5	1.0	<0.2
1152371	Soil	13	20	0.38	299	0.047	<1	1.39	0.010	0.09	0.6	0.05	2.4	0.2	<0.05	4	1.4	<0.2
1152375	Soil	5	7	0.01	472	0.001	1	0.15	0.002	0.09	<0.1	0.14	2.0	0.2	<0.05	<1	3.1	<0.2
1152376	Soil	5	8	0.02	486	0.001	<1	0.16	0.002	0.09	<0.1	0.14	2.1	0.2	<0.05	<1	3.3	<0.2
1152368	Soil	6	17	0.14	116	0.013	<1	0.86	0.008	0.05	0.2	0.08	1.3	0.1	<0.05	3	1.4	<0.2
1152363	Soil	12	19	0.34	255	0.036	<1	1.23	0.007	0.08	0.6	0.06	2.3	0.2	<0.05	4	1.1	<0.2
1152365	Soil	9	24	0.24	263	0.018	<1	1.18	0.004	0.08	0.3	0.08	2.8	0.2	<0.05	4	1.9	<0.2
1152355	Soil	11	25	0.36	176	0.021	1	1.30	0.004	0.07	0.5	0.07	2.1	0.2	<0.05	4	1.1	<0.2
1152356	Soil	14	24	0.31	154	0.028	2	1.32	0.006	0.10	0.3	0.06	2.4	0.2	<0.05	4	0.7	<0.2
1152367	Soil	14	28	0.34	176	0.025	3	1.35	0.006	0.09	0.2	0.14	2.7	0.2	<0.05	3	1.2	<0.2



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		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
1156435	Soil	4.3	64.9	12.4	103	0.4	26.8	7.7	199	2.67	47.5	1.5	9.6	2.9	35	0.4	2.5	0.7	46	0.07	0.082
1156436	Soil	7.5	38.8	15.0	109	0.1	28.6	7.5	129	3.08	35.9	1.0	4.6	3.4	25	0.7	2.9	0.4	47	0.05	0.089
1156437	Soil	5.6	51.2	12.0	123	0.2	29.8	8.6	218	2.80	44.4	1.1	4.4	4.4	17	0.5	2.3	0.7	50	0.08	0.072
1156434	Soil	3.5	55.0	11.8	129	0.3	34.2	11.0	432	2.55	31.5	1.2	6.7	3.4	18	0.4	2.0	0.4	47	0.10	0.071
1156432	Soil	7.5	59.4	13.8	129	0.3	42.1	12.6	466	2.72	18.1	1.2	2.9	2.8	27	0.6	1.8	0.3	34	0.24	0.125
1156433	Soil	3.6	31.8	12.5	90	0.1	20.0	5.2	143	2.65	41.1	0.7	7.4	1.8	16	0.2	1.8	0.6	55	0.06	0.072
1156431	Soil	3.4	32.7	10.4	71	0.1	16.7	3.3	63	1.55	12.4	0.4	2.0	<0.1	18	0.1	1.2	0.2	40	0.02	0.039
1156429	Soil	7.3	84.7	11.7	131	0.7	49.5	7.6	146	3.18	18.7	0.4	3.0	0.2	17	0.2	2.8	0.3	64	0.01	0.061
1156430	Soil	8.6	84.2	15.3	167	0.5	48.1	6.6	117	3.56	29.2	0.9	3.1	0.3	28	0.2	2.1	0.3	63	0.03	0.060
1156428	Soil	8.5	22.0	17.6	96	0.5	21.1	3.5	81	2.33	29.3	0.8	2.4	0.7	57	0.2	3.6	0.5	74	0.03	0.165
1156427	Soil	8.5	23.6	16.9	97	0.5	21.9	3.8	89	2.59	31.9	0.9	2.6	1.0	53	0.2	3.5	0.5	68	0.04	0.197
1156404	Soil	2.3	71.2	10.9	68	0.4	12.8	3.2	122	2.58	51.1	0.6	4.4	0.2	16	0.3	1.9	0.8	53	0.07	0.086
1156403	Soil	3.4	184.5	14.5	130	0.3	30.0	7.4	773	4.57	53.7	1.1	4.7	0.4	45	0.4	4.5	0.9	46	0.14	0.148
1156405	Soil	1.9	22.7	6.4	26	0.2	5.9	2.2	262	1.29	26.0	0.5	26.6	<0.1	13	<0.1	1.2	0.6	27	0.05	0.067
1156406	Soil	4.4	17.6	9.0	41	0.7	11.0	2.7	59	1.99	68.7	1.0	5.1	0.1	17	0.3	2.1	1.8	38	0.08	0.125
1156414	Soil	5.3	86.6	28.6	125	0.6	19.3	5.0	139	5.30	16.6	0.8	2.5	5.1	30	0.2	3.8	0.4	44	0.02	0.128
1156412	Soil	5.1	93.6	35.0	175	0.4	57.1	20.7	587	5.52	24.8	1.0	5.7	3.7	34	0.4	29.0	0.4	46	0.02	0.107
1156411	Soil	5.1	30.1	15.7	101	0.4	36.3	14.3	452	4.03	54.0	2.3	9.8	4.8	892	1.0	6.0	1.2	63	1.21	0.196
1156410	Soil	10.9	19.4	9.8	52	0.5	12.0	2.4	100	2.42	59.5	1.4	4.0	0.3	17	0.4	2.5	0.7	78	0.18	0.135
1156409	Soil	23.0	34.4	19.0	124	0.7	40.4	11.6	364	5.46	140.6	1.5	5.6	4.3	112	0.8	5.0	2.4	86	0.40	0.163
1156413	Soil	4.0	69.9	24.4	132	0.3	37.6	11.2	288	4.95	16.6	0.8	2.9	3.7	21	0.2	2.3	0.5	58	0.03	0.102
1156408	Soil	6.5	49.5	17.3	199	0.6	19.8	5.5	136	6.90	349.0	1.1	7.8	3.4	22	0.6	3.7	5.8	57	0.11	0.131
1156407	Soil	5.1	28.0	11.6	307	0.3	43.8	10.5	209	4.36	191.8	1.3	4.7	2.4	30	1.2	3.9	4.2	49	0.16	0.117



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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
1156435	Soil	15	19	0.29	400	0.020	2	1.17	0.005	0.14	0.2	0.15	2.7	0.3	<0.05	3	1.5	<0.2
1156436	Soil	18	19	0.26	270	0.005	2	1.32	0.006	0.09	<0.1	0.11	2.2	0.3	<0.05	3	1.1	<0.2
1156437	Soil	14	21	0.33	185	0.023	2	1.59	0.005	0.11	0.1	0.04	2.8	0.3	<0.05	3	1.0	<0.2
1156434	Soil	15	20	0.28	225	0.016	3	1.26	0.004	0.10	0.2	0.09	2.0	0.2	<0.05	3	1.1	<0.2
1156432	Soil	23	17	0.23	861	0.008	3	0.98	0.006	0.08	0.1	0.08	2.4	0.2	<0.05	3	0.7	<0.2
1156433	Soil	15	18	0.24	158	0.018	2	1.09	0.003	0.10	0.2	0.03	1.3	0.2	<0.05	4	1.2	<0.2
1156431	Soil	11	8	0.03	140	0.004	1	0.44	0.006	0.06	<0.1	0.02	0.4	0.1	<0.05	3	0.8	<0.2
1156429	Soil	12	13	0.02	229	0.004	2	0.45	0.003	0.07	<0.1	0.01	0.7	<0.1	<0.05	3	1.5	0.2
1156430	Soil	14	19	0.04	197	0.007	2	0.67	0.006	0.06	0.1	0.03	1.2	0.2	<0.05	4	1.7	<0.2
1156428	Soil	15	19	0.18	309	0.012	2	1.14	0.004	0.14	0.1	0.03	1.3	0.6	0.05	5	2.2	<0.2
1156427	Soil	14	19	0.16	298	0.010	3	1.12	0.004	0.13	0.1	0.06	1.3	0.6	0.06	5	2.5	<0.2
1156404	Soil	10	20	0.11	386	0.024	3	0.82	0.007	0.05	0.1	0.09	0.6	0.1	0.13	5	0.7	<0.2
1156403	Soil	10	25	0.42	1100	0.024	3	1.85	0.017	0.18	0.1	0.17	1.2	0.2	0.29	6	0.6	0.2
1156405	Soil	5	9	0.11	252	0.015	1	0.93	0.020	0.05	<0.1	0.03	0.3	0.1	0.08	4	0.6	<0.2
1156406	Soil	9	23	0.13	155	0.024	<1	1.48	0.008	0.04	0.2	0.12	0.6	0.2	0.16	6	1.1	<0.2
1156414	Soil	25	25	0.24	206	0.006	3	1.28	0.006	0.15	<0.1	0.07	1.7	0.4	0.08	5	5.8	<0.2
1156412	Soil	30	27	0.46	222	0.012	3	1.66	0.003	0.21	<0.1	0.05	2.4	0.6	0.10	5	3.0	<0.2
1156411	Soil	7	49	1.44	468	0.047	1	4.35	0.017	0.27	0.2	0.09	4.9	1.1	0.06	11	1.0	<0.2
1156410	Soil	8	53	0.68	90	0.041	2	2.12	0.005	0.07	0.3	0.12	1.6	0.7	0.10	10	1.9	<0.2
1156409	Soil	8	62	1.25	319	0.076	2	4.58	0.016	0.22	0.4	0.09	4.0	1.0	0.16	13	3.3	<0.2
1156413	Soil	30	27	0.30	224	0.015	3	1.62	0.004	0.19	<0.1	0.05	2.3	0.4	0.05	6	1.7	<0.2
1156408	Soil	7	47	0.68	129	0.057	2	3.90	0.013	0.08	0.3	0.15	3.6	0.6	0.25	9	3.8	<0.2
1156407	Soil	9	42	0.40	231	0.053	2	4.08	0.011	0.05	0.2	0.09	2.4	0.6	0.12	9	2.6	<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 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
Pulp Duplicates																					
1152260	Soil	6.8	61.0	94.5	230	1.4	28.1	6.7	624	4.71	22.4	1.4	5.1	0.3	51	0.8	8.5	0.4	85	0.04	0.149
REP 1152260	QC	6.6	60.1	92.5	222	1.4	27.8	6.6	599	4.55	22.0	1.4	3.4	0.3	51	0.7	8.1	0.3	82	0.04	0.144
1152389	Soil	3.9	93.1	17.4	159	0.8	26.7	6.3	431	4.72	67.7	1.2	49.2	2.0	72	0.4	6.3	0.7	102	0.06	0.132
REP 1152389	QC	3.8	88.8	16.9	152	0.8	25.1	6.5	424	4.63	65.2	1.3	5.8	1.8	69	0.3	6.0	0.7	98	0.06	0.130
1152027	Soil	2.9	40.2	11.4	87	0.2	23.5	6.3	224	2.70	37.7	1.3	6.6	2.9	15	0.2	1.7	1.0	54	0.06	0.049
REP 1152027	QC	2.8	41.2	11.4	90	0.2	24.6	6.7	244	2.81	40.1	1.3	7.1	2.9	16	0.3	1.7	1.0	58	0.06	0.052
1156165	Soil	2.1	28.8	117.2	101	1.2	16.7	4.9	193	2.75	16.7	0.7	3.3	2.3	13	0.3	2.6	0.5	46	0.05	0.042
REP 1156165	QC	2.1	29.0	118.3	101	1.1	16.5	4.8	181	2.69	16.0	0.7	2.9	2.2	13	0.2	2.7	0.5	47	0.05	0.042
1156179	Soil	3.6	75.6	30.4	134	0.3	28.4	6.8	224	4.42	15.3	0.6	2.8	5.1	35	0.1	2.3	0.6	44	0.03	0.080
REP 1156179	QC	3.3	79.4	30.8	137	0.3	28.0	6.7	238	4.62	15.4	0.7	4.4	5.1	36	0.1	2.4	0.6	45	0.03	0.083
1156380	Soil	4.5	23.3	13.9	71	2.0	12.5	3.8	247	3.28	13.3	0.6	5.1	1.7	12	0.2	2.2	0.3	82	0.03	0.059
REP 1156380	QC	4.4	22.1	13.6	70	1.9	13.1	3.7	246	3.28	13.9	0.6	6.2	1.7	12	0.2	2.4	0.3	83	0.03	0.058
1057982	Soil	3.1	29.8	9.6	82	0.4	10.1	2.2	58	2.71	16.9	0.5	<0.5	1.7	36	<0.1	2.6	0.3	85	0.02	0.057
REP 1057982	QC	3.3	30.9	9.9	87	0.3	9.3	2.2	58	2.74	16.8	0.5	0.7	1.6	36	<0.1	2.7	0.3	85	0.02	0.056
1057986	Soil	3.8	39.7	17.9	121	0.9	27.3	9.5	219	3.93	14.1	0.7	8.5	3.4	15	0.3	2.2	0.3	71	0.04	0.049
REP 1057986	QC	3.4	38.7	17.5	122	1.0	27.0	9.2	218	3.87	13.9	0.7	5.3	3.4	15	0.3	2.1	0.3	73	0.04	0.047
1157446	Soil	7.3	28.7	20.8	84	1.4	17.0	3.4	142	2.75	15.8	0.7	2.0	1.1	28	0.2	3.1	0.4	90	0.02	0.051
REP 1157446	QC	7.9	29.8	21.0	90	1.5	17.8	3.6	143	2.73	15.9	0.7	2.0	1.0	29	0.1	3.4	0.4	91	0.02	0.054
1159110	Soil	4.4	66.7	14.7	121	0.8	29.0	11.7	924	2.37	11.0	1.2	12.8	3.4	21	0.3	2.4	0.3	54	0.07	0.087
REP 1159110	QC	4.1	67.3	14.8	125	0.8	29.5	12.1	972	2.54	11.2	1.2	11.8	3.5	21	0.3	2.4	0.2	55	0.07	0.090
1159180	Soil	2.6	25.7	6.6	69	0.4	15.3	4.6	287	1.10	6.1	0.8	2.3	0.5	26	0.4	1.1	0.2	32	0.16	0.040
REP 1159180	QC	2.8	25.3	7.1	69	0.4	16.1	5.0	298	1.15	6.2	0.8	2.2	0.5	27	0.3	1.2	0.2	34	0.17	0.043
1159161	Soil	6.4	51.5	16.2	210	0.7	31.8	6.8	252	3.21	15.9	0.7	3.4	2.2	19	2.4	2.8	0.3	74	0.03	0.038
REP 1159161	QC	6.3	50.5	17.3	205	0.7	31.5	7.2	249	3.28	16.4	0.8	4.2	2.3	19	2.4	2.9	0.3	76	0.04	0.037
1152427	Soil	0.8	23.9	21.1	77	<0.1	21.9	10.5	463	2.50	5.3	0.8	0.6	5.6	44	0.2	0.4	0.3	28	0.46	0.020
REP 1152427	QC	0.8	23.7	19.2	74	<0.1	20.6	10.0	448	2.39	5.2	0.8	<0.5	5.4	43	0.1	0.4	0.3	27	0.44	0.018
1152378	Soil	2.4	158.0	25.6	222	1.0	57.3	15.0	669	4.28	17.4	0.9	14.7	3.2	9	0.8	8.3	0.5	59	0.04	0.046
REP 1152378	QC	2.3	154.5	26.3	220	1.1	55.7	14.9	675	4.26	17.9	0.9	18.4	3.3	10	0.8	8.5	0.5	58	0.04	0.047



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1152260	Soil	22	31	0.30	425	0.013	4	1.30	0.008	0.29	<0.1	0.12	1.0	0.6	0.24	5	4.0	<0.2
REP 1152260	QC	22	30	0.29	419	0.013	5	1.21	0.008	0.29	<0.1	0.12	1.1	0.5	0.23	5	5.7	0.3
1152389	Soil	9	42	0.59	416	0.066	1	2.05	0.036	0.45	0.1	0.04	3.5	0.4	0.37	7	3.8	<0.2
REP 1152389	QC	8	41	0.57	397	0.062	2	2.01	0.035	0.44	0.1	0.04	3.2	0.4	0.36	7	3.4	0.2
1152027	Soil	14	25	0.40	126	0.046	1	1.45	0.005	0.12	0.2	0.02	2.1	0.3	<0.05	4	1.8	<0.2
REP 1152027	QC	15	26	0.41	130	0.051	1	1.51	0.005	0.12	0.3	0.02	2.3	0.3	<0.05	5	1.9	<0.2
1156165	Soil	18	21	0.26	140	0.018	2	1.17	0.003	0.10	0.2	0.05	1.6	0.2	0.05	5	<0.5	<0.2
REP 1156165	QC	17	20	0.25	134	0.016	<1	1.13	0.003	0.09	0.2	0.06	1.8	0.2	<0.05	5	0.7	<0.2
1156179	Soil	27	23	0.37	151	0.005	2	1.54	0.003	0.15	<0.1	0.04	2.3	0.2	0.06	4	2.0	<0.2
REP 1156179	QC	27	24	0.37	148	0.005	2	1.56	0.003	0.15	<0.1	0.04	2.3	0.2	0.06	5	1.7	<0.2
1156380	Soil	10	23	0.16	204	0.023	1	1.31	0.005	0.07	0.2	0.17	1.3	0.3	<0.05	7	1.7	<0.2
REP 1156380	QC	10	24	0.16	207	0.025	2	1.28	0.005	0.07	0.2	0.17	1.3	0.3	<0.05	7	1.9	<0.2
1057982	Soil	7	25	0.03	103	0.016	1	0.50	0.003	0.06	<0.1	<0.01	3.6	0.3	<0.05	5	1.6	<0.2
REP 1057982	QC	6	25	0.03	102	0.015	2	0.50	0.003	0.05	0.1	<0.01	3.6	0.3	<0.05	5	1.3	<0.2
1057986	Soil	8	33	0.31	277	0.016	2	2.01	0.006	0.12	0.1	0.10	4.8	0.3	0.05	5	1.6	<0.2
REP 1057986	QC	9	33	0.32	290	0.018	3	2.01	0.005	0.13	0.1	0.07	4.1	0.3	<0.05	5	1.2	<0.2
1157446	Soil	7	18	0.06	287	0.019	2	0.70	0.004	0.10	0.1	0.07	1.5	0.3	0.08	6	2.3	<0.2
REP 1157446	QC	8	18	0.07	292	0.023	1	0.76	0.004	0.09	0.2	0.06	1.4	0.3	0.07	6	2.1	<0.2
1159110	Soil	12	21	0.29	301	0.009	4	1.13	0.002	0.11	<0.1	0.31	2.8	0.2	<0.05	4	1.6	<0.2
REP 1159110	QC	13	21	0.29	304	0.006	3	1.17	0.003	0.11	<0.1	0.32	2.8	0.2	<0.05	4	1.2	<0.2
1159180	Soil	7	10	0.11	589	0.011	2	0.53	0.012	0.08	0.1	0.08	1.0	0.2	<0.05	3	<0.5	<0.2
REP 1159180	QC	7	10	0.11	590	0.012	2	0.56	0.011	0.09	0.1	0.09	1.1	0.1	<0.05	3	0.5	<0.2
1159161	Soil	9	20	0.13	174	0.022	<1	0.86	0.004	0.09	0.2	0.04	1.9	0.3	0.06	5	1.7	<0.2
REP 1159161	QC	9	20	0.13	187	0.023	1	0.92	0.004	0.08	0.2	0.04	2.1	0.3	0.06	5	1.2	<0.2
1152427	Soil	28	21	0.33	262	0.006	1	1.37	0.009	0.11	<0.1	0.02	2.2	0.1	<0.05	5	<0.5	<0.2
REP 1152427	QC	27	19	0.32	258	0.006	1	1.34	0.007	0.10	<0.1	0.02	2.1	0.1	<0.05	4	<0.5	<0.2
1152378	Soil	8	24	0.17	134	0.013	<1	1.03	0.003	0.04	0.3	0.11	3.7	0.2	<0.05	3	3.1	0.3
REP 1152378	QC	8	24	0.17	139	0.012	<1	1.03	0.002	0.04	0.2	0.10	3.4	0.2	<0.05	3	3.4	<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	2	0.01	0.001
1152365	Soil	4.2	87.9	22.2	141	0.4	30.5	12.7	563	4.45	19.7	1.1	9.3	3.5	24	0.4	4.5	0.5	45	0.04	0.070
REP 1152365	QC	4.0	87.2	22.5	144	0.4	31.2	13.0	562	4.44	19.6	1.2	12.2	3.5	23	0.3	4.6	0.5	44	0.04	0.071
1156410	Soil	10.9	19.4	9.8	52	0.5	12.0	2.4	100	2.42	59.5	1.4	4.0	0.3	17	0.4	2.5	0.7	78	0.18	0.135
REP 1156410	QC	11.1	19.5	10.2	53	0.5	12.1	2.4	103	2.44	60.3	1.4	4.0	0.3	17	0.4	2.4	0.8	76	0.17	0.145
Reference Materials																					
STD DS8	Standard	15.0	123.5	137.4	341	2.0	37.2	8.7	676	2.72	27.7	3.1	127.1	7.9	77	2.5	6.6	7.5	48	0.77	0.076
STD DS8	Standard	12.1	104.7	128.5	307	1.8	36.6	7.1	600	2.36	23.8	2.8	111.9	6.6	66	2.0	5.2	6.6	39	0.67	0.079
STD DS8	Standard	12.0	102.1	120.2	308	1.7	36.2	6.9	584	2.47	24.5	2.6	102.7	6.2	60	2.6	5.4	6.4	40	0.65	0.082
STD DS8	Standard	12.1	95.9	116.9	292	1.7	36.0	6.9	567	2.30	24.2	2.6	89.2	6.4	65	2.1	5.3	6.3	40	0.67	0.072
STD DS8	Standard	12.7	122.5	128.4	328	1.9	41.1	8.3	624	2.56	25.6	2.8	118.3	6.7	62	2.6	6.4	7.2	45	0.66	0.077
STD DS8	Standard	13.0	115.4	120.5	315	1.7	37.1	7.4	582	2.39	25.6	2.7	110.1	6.8	69	2.2	5.6	6.5	39	0.68	0.076
STD DS8	Standard	14.5	117.8	132.9	332	1.8	40.1	8.4	631	2.59	26.2	3.0	108.5	7.5	72	2.6	5.9	7.2	46	0.74	0.074
STD DS8	Standard	12.7	109.9	119.9	314	1.8	37.9	7.6	599	2.41	24.5	2.6	121.2	6.3	64	2.1	5.8	6.6	42	0.64	0.076
STD DS8	Standard	14.1	113.5	115.5	305	1.8	40.5	7.9	621	2.43	25.3	2.4	112.8	6.2	64	2.4	4.9	5.7	43	0.69	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	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project:

PDM

Report Date:

August 25, 2011

Page:

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Part 2

QUALITY CONTROL REPORT

WHI11001007.1

		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
1152365	Soil	9	24	0.24	263	0.018	<1	1.18	0.004	0.08	0.3	0.08	2.8	0.2	<0.05	4	1.9	<0.2
REP 1152365	QC	9	23	0.24	264	0.018	<1	1.21	0.004	0.08	0.3	0.07	2.6	0.2	<0.05	4	2.1	<0.2
1156410	Soil	8	53	0.68	90	0.041	2	2.12	0.005	0.07	0.3	0.12	1.6	0.7	0.10	10	1.9	<0.2
REP 1156410	QC	8	52	0.72	91	0.037	1	2.15	0.005	0.07	0.3	0.12	1.5	0.7	0.10	10	1.8	<0.2
Reference Materials																		
STD DS8	Standard	16	132	0.63	287	0.132	2	0.91	0.088	0.47	3.3	0.22	2.5	5.6	0.14	5	5.2	5.1
STD DS8	Standard	14	111	0.59	278	0.109	3	0.91	0.098	0.44	2.9	0.19	4.4	5.2	0.09	5	4.9	5.5
STD DS8	Standard	12	107	0.58	252	0.099	1	0.88	0.091	0.43	2.9	0.18	2.1	5.3	0.14	4	4.2	4.6
STD DS8	Standard	14	106	0.58	268	0.105	2	0.84	0.086	0.40	2.8	0.19	2.7	5.3	0.11	4	5.3	4.3
STD DS8	Standard	12	123	0.58	285	0.113	2	0.86	0.084	0.40	3.3	0.23	2.6	5.8	0.11	5	5.6	5.1
STD DS8	Standard	14	111	0.59	289	0.114	3	0.92	0.107	0.44	2.9	0.18	2.3	5.5	0.14	5	4.4	5.0
STD DS8	Standard	15	122	0.63	305	0.130	2	1.04	0.115	0.46	3.0	0.23	2.4	5.7	0.18	5	5.5	5.7
STD DS8	Standard	13	114	0.57	266	0.111	2	0.84	0.080	0.40	2.9	0.20	2.0	5.3	0.10	5	5.1	5.2
STD DS8	Standard	17	122	0.64	293	0.117	3	0.97	0.099	0.41	2.9	0.20	2.1	5.1	0.15	5	5.2	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
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: August 05, 2011
Report Date: August 26, 2011
Page: 1 of 11

CERTIFICATE OF ANALYSIS

WHI11001008.1

CLIENT JOB INFORMATION

Project: PDM
Shipment ID:
P.O. Number
Number of Samples: 288

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.
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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	288	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	288	Dry at 60C			VAN
1DX2	288	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: PDM
Report Date: August 26, 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
		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
1156273	Soil	3.1	38.0	15.2	102	0.5	26.5	9.1	217	1.98	9.2	2.5	4.3	3.0	27	1.0	1.5	0.4	50	0.24
1156276	Soil	1.7	14.3	7.7	27	0.1	5.2	1.3	47	1.05	6.8	0.3	2.7	0.7	9	<0.1	1.2	0.2	45	0.02
1156269	Soil	11.5	31.5	19.0	116	<0.1	29.1	15.0	925	3.01	17.7	1.1	1.8	2.0	20	0.4	1.3	0.4	25	0.29
1156275	Soil	3.8	31.1	12.9	109	0.4	22.8	6.5	198	2.48	13.8	0.9	4.1	3.0	11	0.3	2.1	0.2	60	0.02
1156270	Soil	12.7	35.6	14.3	89	0.7	27.1	11.1	742	2.67	13.7	2.2	1.8	2.4	23	0.6	1.1	0.3	28	0.34
1156272	Soil	7.2	39.1	13.0	189	0.2	35.3	9.0	248	2.33	13.0	1.2	4.0	3.2	21	0.9	2.5	0.3	31	0.19
1156260	Soil	1.6	17.5	10.5	55	0.1	11.5	3.4	115	1.57	11.4	0.4	35.2	1.5	10	0.1	1.3	0.4	54	0.03
1156259	Soil	3.6	69.4	34.0	162	0.1	52.9	13.6	166	3.94	11.5	0.5	2.2	2.8	24	<0.1	7.1	0.5	25	0.01
1156261	Soil	14.3	36.3	14.6	129	0.2	33.7	13.6	1244	3.02	15.0	1.1	2.8	3.8	22	0.7	1.1	0.3	21	0.38
1156262	Soil	11.3	32.8	15.8	111	0.3	31.9	12.1	334	2.84	15.4	2.0	2.0	4.4	29	0.5	1.2	0.3	22	0.48
1156258	Soil	3.0	34.4	29.5	159	0.2	34.3	8.9	174	3.09	10.7	0.4	2.3	1.7	18	0.1	3.0	0.4	27	0.01
1156271	Soil	2.7	63.4	16.1	154	1.0	43.5	9.2	364	2.13	11.1	5.9	6.0	1.9	43	1.9	1.9	0.4	45	0.82
1157422	Soil	34.7	25.3	16.8	91	0.5	19.2	2.9	67	1.80	21.6	2.4	1.9	1.4	89	0.1	5.2	0.3	203	0.03
1157429	Soil	3.9	81.8	14.3	241	0.5	62.2	13.5	634	4.02	11.4	1.1	12.8	1.5	18	0.6	2.6	0.2	61	0.06
1157428	Soil	2.8	33.8	13.4	103	0.8	25.8	7.1	243	3.05	13.5	0.8	11.6	2.1	16	0.3	2.3	0.3	66	0.07
1157426	Soil	5.5	56.1	12.7	149	0.7	31.1	6.2	273	4.98	24.6	0.8	19.3	3.2	39	0.2	4.4	0.3	85	0.04
1157431	Soil	6.7	41.6	13.4	169	0.1	58.1	12.9	2023	4.85	12.2	1.4	4.0	2.6	11	1.0	1.9	0.3	52	0.04
1157425	Soil	4.1	27.4	14.4	82	1.6	19.3	5.2	208	3.38	13.9	0.9	7.7	3.1	17	0.2	2.1	0.3	70	0.05
1157427	Soil	2.3	26.8	8.0	81	1.7	19.1	4.7	153	2.29	10.8	0.7	6.8	1.4	19	0.2	2.2	0.2	51	0.04
1157423	Soil	10.3	22.5	10.1	34	0.5	10.3	1.1	18	0.55	8.7	2.8	1.9	0.6	20	0.1	2.4	0.2	76	<0.01
1157430	Soil	8.7	55.0	17.3	218	0.2	82.9	17.3	3636	5.73	13.6	2.0	6.0	2.6	13	2.3	2.2	0.2	47	0.04
1157421	Soil	50.2	381.4	31.8	551	1.4	119.1	11.0	128	5.20	67.7	15.5	16.6	5.6	232	0.6	9.9	0.2	369	0.03
1157424	Soil	23.0	21.1	29.5	74	1.3	15.5	3.4	141	2.32	20.1	0.9	4.2	1.1	22	0.3	10.1	0.3	96	0.05
1157409	Soil	25.9	139.9	14.4	341	0.9	73.2	7.6	248	3.58	20.4	4.3	5.4	1.0	37	0.9	7.5	0.2	102	0.02
1157410	Soil	11.3	39.4	10.3	150	0.5	32.0	4.1	125	2.16	12.0	1.6	3.0	0.2	23	0.3	3.1	0.2	71	0.03
1157413	Soil	23.2	56.8	10.4	210	0.2	61.4	6.4	109	2.25	14.0	3.5	2.2	0.3	21	0.4	4.7	0.2	68	0.02
1157412	Soil	14.0	46.2	12.3	172	1.0	41.3	6.6	266	2.87	16.4	2.8	5.9	0.8	32	0.8	4.3	0.2	76	0.05
1157411	Soil	8.0	35.6	11.8	149	0.5	33.6	5.9	271	2.77	13.7	1.7	4.6	1.0	22	0.6	2.6	0.3	64	0.04
1157414	Soil	14.6	79.8	17.7	216	1.2	45.5	5.4	171	4.42	19.3	1.4	6.1	3.2	41	0.2	5.3	0.3	92	0.03
1157415	Soil	13.3	136.1	15.3	218	2.4	75.6	5.8	253	2.39	9.7	3.0	16.9	3.3	78	1.6	4.1	0.2	45	0.18



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Project: PDM
Report Date: August 26, 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
		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
1156273	Soil	13	21	0.36	705	0.005	2	1.19	0.006	0.07	0.2	0.21	2.2	0.2	<0.05	4	0.9	<0.2
1156276	Soil	9	8	0.03	191	0.016	1	0.45	0.004	0.03	0.2	0.02	0.4	<0.1	<0.05	4	0.6	<0.2
1156269	Soil	11	11	0.16	194	0.003	2	0.74	0.003	0.09	<0.1	0.05	1.6	0.3	<0.05	3	0.9	<0.2
1156275	Soil	9	20	0.21	233	0.006	1	1.29	0.003	0.07	0.1	0.07	1.8	0.2	<0.05	4	1.1	<0.2
1156270	Soil	9	8	0.07	562	0.002	1	0.69	0.008	0.05	<0.1	0.23	2.6	0.3	<0.05	2	1.3	<0.2
1156272	Soil	8	12	0.19	346	0.005	1	0.70	0.003	0.08	<0.1	0.13	2.2	0.2	<0.05	2	1.0	<0.2
1156260	Soil	10	16	0.19	101	0.024	1	0.84	0.007	0.11	<0.1	0.02	1.0	0.2	<0.05	5	<0.5	<0.2
1156259	Soil	3	7	0.03	94	0.002	1	0.46	0.003	0.12	<0.1	0.03	1.8	0.2	<0.05	2	1.5	<0.2
1156261	Soil	9	12	0.20	382	0.003	2	0.74	0.005	0.08	<0.1	0.10	2.6	0.4	<0.05	2	1.3	<0.2
1156262	Soil	13	12	0.20	369	0.003	2	0.80	0.006	0.07	<0.1	0.12	2.9	0.3	<0.05	2	1.5	<0.2
1156258	Soil	3	6	0.02	107	0.004	3	0.39	0.002	0.12	<0.1	0.08	1.4	0.1	<0.05	2	1.2	<0.2
1156271	Soil	10	20	0.29	663	0.005	2	1.24	0.008	0.10	<0.1	0.37	2.7	0.3	0.07	3	2.7	<0.2
1157422	Soil	5	14	0.06	529	0.006	2	0.61	0.003	0.15	0.1	0.08	1.4	1.9	0.23	3	3.7	<0.2
1157429	Soil	10	23	0.24	123	0.026	1	1.03	0.005	0.06	0.1	0.10	2.6	0.2	<0.05	4	1.9	<0.2
1157428	Soil	12	29	0.35	153	0.023	1	1.53	0.005	0.08	0.2	0.17	1.9	0.2	0.06	5	2.0	<0.2
1157426	Soil	9	29	0.26	232	0.029	2	0.95	0.005	0.16	0.3	0.10	2.5	0.3	0.22	5	2.9	<0.2
1157431	Soil	13	23	0.19	241	0.019	1	1.44	0.003	0.05	0.2	0.15	3.1	0.3	<0.05	4	2.6	<0.2
1157425	Soil	10	30	0.29	127	0.032	1	1.59	0.005	0.06	0.3	0.24	2.0	0.2	0.05	6	2.0	<0.2
1157427	Soil	9	21	0.26	115	0.021	1	1.21	0.011	0.06	0.2	0.19	1.5	0.2	0.05	4	1.2	<0.2
1157423	Soil	2	5	0.02	290	<0.001	2	0.37	0.001	0.07	<0.1	0.12	0.8	1.0	0.05	1	1.3	<0.2
1157430	Soil	15	20	0.20	417	0.016	2	1.26	0.004	0.06	0.2	0.28	4.2	0.4	<0.05	4	3.7	<0.2
1157421	Soil	14	74	0.02	755	0.002	1	1.69	0.003	0.22	<0.1	0.46	11.3	0.9	0.34	11	9.9	<0.2
1157424	Soil	9	19	0.14	219	0.024	<1	0.72	0.009	0.11	0.2	0.20	1.2	1.6	0.17	5	7.5	0.2
1157409	Soil	7	19	0.09	516	0.007	2	0.80	0.005	0.14	<0.1	0.23	2.3	0.9	0.20	3	4.3	<0.2
1157410	Soil	7	15	0.09	220	0.011	1	0.65	0.005	0.08	0.1	0.08	0.7	0.4	0.09	4	1.9	<0.2
1157413	Soil	6	11	0.03	218	0.008	<1	0.45	0.007	0.07	0.1	0.14	0.9	0.4	0.06	2	3.2	<0.2
1157412	Soil	9	19	0.21	651	0.016	2	0.95	0.006	0.12	0.1	0.22	1.6	0.8	0.17	4	2.5	<0.2
1157411	Soil	10	20	0.22	242	0.017	2	1.04	0.006	0.09	0.2	0.13	1.5	0.4	0.06	4	1.5	<0.2
1157414	Soil	8	21	0.10	192	0.029	2	0.71	0.003	0.13	0.1	0.16	2.6	0.6	0.18	5	3.2	<0.2
1157415	Soil	6	10	0.04	453	0.001	3	0.55	0.007	0.23	<0.1	0.43	2.0	0.7	0.41	1	2.7	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 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
1157416	Soil	7.3	37.6	18.0	111	0.8	26.0	5.2	184	4.05	16.1	0.9	10.4	3.1	51	0.3	4.4	0.3	68	0.06	0.059
1157417	Soil	7.0	12.7	17.4	54	0.3	10.4	2.4	75	2.07	16.9	0.5	3.1	1.4	24	0.1	2.8	0.4	42	0.03	0.045
1157419	Soil	7.7	24.6	17.8	77	1.9	15.7	1.9	56	2.66	10.8	0.6	6.4	0.9	33	0.1	2.9	0.4	60	0.02	0.050
1157418	Soil	7.3	25.9	17.4	77	2.1	15.9	2.0	55	2.70	10.9	0.7	6.1	0.8	34	0.1	3.1	0.4	57	0.02	0.054
1157420	Soil	46.0	243.8	16.2	169	1.1	53.8	4.3	139	4.61	37.1	7.4	3.4	2.6	72	0.6	8.8	0.3	107	0.06	0.067
1157405	Soil	5.5	18.1	15.4	15	0.7	3.0	0.4	13	1.14	32.2	0.3	3.7	2.7	360	<0.1	3.9	0.3	58	0.03	0.056
1157407	Soil	12.2	72.8	12.1	143	0.3	34.1	5.5	332	3.04	15.3	2.2	3.5	0.5	23	0.2	3.2	0.3	84	0.02	0.063
1157408	Soil	9.8	51.9	10.7	115	0.5	23.3	5.0	264	2.24	13.2	1.5	3.4	0.3	24	0.3	2.9	0.3	75	0.02	0.053
1157406	Soil	11.1	59.4	14.1	128	0.6	27.1	4.7	238	3.08	21.3	1.7	4.8	0.7	26	0.1	3.9	0.3	75	0.03	0.060
1157404	Soil	56.4	106.5	20.0	147	1.4	45.8	4.1	142	4.18	41.9	5.5	3.0	2.5	44	0.5	10.0	0.3	98	0.02	0.049
1144048	Soil	1.6	133.3	20.9	81	0.2	22.7	7.2	203	2.83	11.9	0.6	3.1	0.3	12	0.2	1.3	0.3	47	0.04	0.065
1157402	Soil	4.5	28.0	17.6	53	2.9	12.8	3.4	106	2.76	27.8	0.7	11.5	1.1	29	0.2	2.8	0.4	64	0.04	0.043
1144050	Soil	3.9	47.0	8.5	61	0.4	16.6	6.2	360	1.47	5.5	0.8	3.6	0.2	18	0.4	0.6	0.1	20	0.08	0.056
1144049	Soil	1.8	117.1	16.7	74	0.1	20.5	10.8	600	2.46	6.5	0.6	1.9	0.4	16	0.2	1.1	0.2	30	0.05	0.053
1157403	Soil	2.1	15.2	6.1	10	0.9	2.0	0.9	25	0.80	4.0	0.4	3.9	<0.1	13	<0.1	0.8	0.2	20	0.03	0.035
1144047	Soil	1.7	164.0	14.3	100	0.5	33.4	8.2	240	3.07	8.3	1.2	5.8	0.4	15	0.3	1.2	0.3	37	0.06	0.105
1157401	Soil	9.8	43.5	19.1	40	1.8	12.1	2.5	85	2.99	33.6	1.9	10.3	4.7	156	0.2	7.3	0.3	75	0.05	0.065
1156068	Soil	6.3	30.2	15.0	124	0.6	23.4	4.1	123	2.12	13.6	0.9	6.2	0.5	45	0.6	2.7	0.3	53	0.08	0.120
1156067	Soil	4.3	34.4	12.9	131	0.7	23.9	6.7	225	2.61	12.3	0.7	2.1	2.1	21	0.5	2.2	0.3	57	0.03	0.078
1156066	Soil	4.1	23.8	10.5	99	0.4	19.5	5.4	123	2.20	10.6	0.6	3.3	2.2	19	0.3	2.0	0.2	53	0.03	0.052
1156065	Soil	7.6	35.7	13.0	96	0.5	19.5	5.4	297	2.30	15.0	1.6	6.3	1.9	38	0.5	2.4	0.3	68	0.05	0.066
1156063	Soil	7.6	53.7	16.7	147	0.4	32.4	10.2	701	2.98	17.2	1.6	11.6	2.7	38	0.5	3.2	0.3	70	0.09	0.081
1156064	Soil	7.0	39.6	14.4	118	0.5	25.1	7.2	447	2.64	15.9	1.2	6.5	1.7	34	0.7	2.7	0.3	71	0.08	0.083
1156061	Soil	6.1	27.4	12.5	107	0.2	19.6	6.6	310	2.33	14.7	0.8	1.6	2.2	25	0.4	3.0	0.3	59	0.04	0.070
1156062	Soil	4.3	29.6	11.2	94	0.3	20.2	6.0	336	2.09	12.2	0.7	3.8	1.9	22	0.4	2.4	0.2	50	0.05	0.067
1156060	Soil	5.7	25.0	13.2	99	0.2	20.0	5.6	241	2.20	16.8	0.7	2.8	2.3	40	0.5	3.6	0.3	66	0.06	0.080
1156059	Soil	8.1	26.9	16.2	101	0.5	22.9	4.8	155	2.46	22.1	0.9	6.2	2.1	86	0.4	7.5	0.2	98	0.05	0.068
1156058	Soil	3.9	18.6	11.7	81	0.7	15.3	3.4	101	1.74	15.5	0.5	2.1	1.3	71	0.6	4.4	0.2	46	0.06	0.046
1156057	Soil	3.6	19.9	11.4	71	0.8	14.9	3.1	84	1.84	18.1	0.5	5.4	0.9	107	0.3	5.3	0.2	46	0.04	0.070
1156079	Soil	3.9	25.5	9.8	102	0.2	17.4	4.2	169	1.54	9.0	0.5	0.5	0.4	17	0.2	1.9	0.2	44	0.03	0.042



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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
1157416	Soil	11	33	0.27	347	0.022	2	1.29	0.005	0.18	0.2	0.16	2.3	0.4	0.27	6	5.1	<0.2
1157417	Soil	8	12	0.10	298	0.013	2	0.67	0.003	0.14	0.1	0.11	1.2	0.3	0.18	4	3.0	0.3
1157419	Soil	5	17	0.04	454	0.011	2	0.42	0.009	0.27	<0.1	0.17	1.4	0.3	0.48	6	2.8	<0.2
1157418	Soil	6	17	0.04	435	0.010	2	0.43	0.010	0.28	<0.1	0.17	1.5	0.3	0.49	5	3.6	0.2
1157420	Soil	7	28	0.06	252	0.006	2	0.67	0.008	0.41	<0.1	0.62	5.5	1.9	0.85	3	7.2	<0.2
1157405	Soil	9	19	0.02	318	0.004	1	0.37	0.002	0.16	<0.1	0.04	1.9	0.4	0.22	4	7.8	0.4
1157407	Soil	9	21	0.16	442	0.008	1	1.02	0.003	0.10	<0.1	0.09	1.1	0.3	0.08	4	2.3	<0.2
1157408	Soil	9	16	0.09	509	0.009	3	0.82	0.005	0.09	0.1	0.09	0.7	0.4	0.09	4	2.0	<0.2
1157406	Soil	7	21	0.15	364	0.013	1	0.77	0.005	0.11	0.2	0.11	1.3	0.5	0.14	4	3.3	<0.2
1157404	Soil	5	23	0.07	204	0.006	2	0.54	0.006	0.41	<0.1	0.77	3.1	1.5	0.80	3	9.3	<0.2
1144048	Soil	5	20	0.04	455	0.008	2	0.60	0.004	0.06	0.1	0.08	1.1	0.1	0.10	4	0.6	<0.2
1157402	Soil	9	25	0.16	355	0.014	1	0.98	0.004	0.14	0.2	0.27	1.4	0.6	0.21	6	3.5	<0.2
1144050	Soil	3	8	0.08	778	0.008	<1	0.55	0.019	0.05	<0.1	0.22	0.9	0.2	<0.05	2	<0.5	<0.2
1144049	Soil	5	13	0.07	630	0.011	2	0.62	0.013	0.06	<0.1	0.04	1.8	0.1	<0.05	3	0.6	<0.2
1157403	Soil	2	6	0.02	145	0.008	<1	0.25	0.020	0.08	<0.1	0.13	0.2	0.2	0.12	2	1.6	<0.2
1144047	Soil	5	28	0.17	899	0.007	2	1.26	0.005	0.07	<0.1	0.16	1.3	0.2	0.11	4	1.6	<0.2
1157401	Soil	10	30	0.14	348	0.008	3	0.72	0.007	0.26	0.1	0.49	3.2	0.9	0.54	4	6.0	0.5
1156068	Soil	5	11	0.08	396	0.007	1	0.67	0.006	0.12	<0.1	0.08	1.0	0.3	0.07	3	2.0	<0.2
1156067	Soil	8	16	0.14	290	0.008	1	1.09	0.004	0.10	0.1	0.05	1.8	0.2	<0.05	4	0.9	<0.2
1156066	Soil	8	16	0.20	218	0.009	1	1.00	0.004	0.07	0.1	0.06	1.5	0.2	<0.05	3	1.0	<0.2
1156065	Soil	10	16	0.16	557	0.012	2	1.00	0.005	0.11	0.1	0.11	2.0	0.3	<0.05	4	1.0	<0.2
1156063	Soil	11	21	0.26	544	0.007	4	1.31	0.004	0.17	0.1	0.13	2.4	0.4	<0.05	4	1.9	<0.2
1156064	Soil	11	20	0.25	542	0.009	3	1.22	0.006	0.16	0.1	0.09	1.9	0.4	<0.05	4	1.3	<0.2
1156061	Soil	8	14	0.17	307	0.010	1	0.84	0.005	0.09	0.1	0.02	1.5	0.2	<0.05	3	0.9	<0.2
1156062	Soil	8	15	0.18	229	0.009	3	0.97	0.007	0.09	0.1	0.05	1.5	0.2	<0.05	3	0.9	<0.2
1156060	Soil	9	14	0.18	400	0.014	1	0.82	0.005	0.13	0.1	0.05	1.6	0.4	<0.05	4	1.3	<0.2
1156059	Soil	7	19	0.21	501	0.012	3	1.05	0.007	0.14	0.1	0.11	1.9	0.8	0.08	4	3.0	<0.2
1156058	Soil	9	12	0.09	290	0.022	1	0.52	0.006	0.11	0.1	0.07	1.1	0.4	<0.05	3	1.7	<0.2
1156057	Soil	7	12	0.11	274	0.015	2	0.62	0.008	0.10	0.1	0.11	1.1	0.4	0.06	3	1.4	<0.2
1156079	Soil	6	8	0.05	211	0.009	2	0.42	0.008	0.09	<0.1	0.01	0.8	0.2	<0.05	3	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
1156081	Soil	1.6	19.5	5.4	35	0.6	8.1	3.9	159	0.79	2.8	0.5	3.1	0.2	25	0.5	0.6	0.1	23	0.07	0.035
1156078	Soil	4.8	29.1	12.3	115	0.3	19.4	5.4	280	2.11	12.0	0.6	0.5	0.5	20	0.2	2.0	0.2	61	0.03	0.107
1156077	Soil	2.0	15.0	4.9	48	0.4	7.6	2.1	82	0.98	4.4	0.3	0.8	<0.1	10	0.1	0.9	0.1	25	0.02	0.042
1156075	Soil	2.6	17.7	7.4	64	0.2	11.0	3.3	175	1.36	8.0	0.4	2.3	0.3	9	0.3	1.2	0.2	34	0.02	0.069
1156076	Soil	12.9	48.3	18.6	122	1.2	24.2	3.6	116	3.54	21.8	2.4	14.2	1.5	48	0.8	4.2	0.4	81	0.10	0.140
1156073	Soil	3.8	30.7	9.5	86	0.2	17.4	5.5	286	1.80	9.2	0.7	2.6	0.4	19	0.3	1.9	0.2	43	0.04	0.066
1156074	Soil	2.5	13.7	5.5	27	0.6	7.0	1.2	30	0.90	4.1	0.6	5.8	0.2	19	0.3	1.0	0.1	30	0.05	0.048
1156071	Soil	8.3	31.9	15.3	101	0.2	21.9	4.4	182	2.45	18.7	0.9	5.8	1.1	42	0.3	3.0	0.3	78	0.07	0.110
1156072	Soil	3.5	34.1	9.0	92	0.3	18.6	5.3	251	1.82	9.0	0.7	2.6	1.0	13	0.3	1.7	0.2	43	0.03	0.055
1156069	Soil	5.6	38.6	11.3	152	0.3	32.5	6.3	153	2.36	12.7	1.0	6.2	0.9	27	0.6	2.8	0.2	45	0.04	0.056
1156070	Soil	4.6	25.9	8.6	87	0.3	18.0	3.8	152	1.75	10.7	1.0	6.2	0.6	32	0.5	2.2	0.2	51	0.08	0.078
1156054	Soil	3.8	36.9	16.1	129	0.7	33.0	6.3	160	2.55	19.8	1.0	13.6	2.8	62	0.6	5.1	0.2	50	0.05	0.040
1156056	Soil	9.5	49.1	18.7	145	1.9	23.4	3.5	73	3.38	75.9	0.8	5.6	0.4	809	0.4	31.5	0.3	87	0.06	0.158
1156055	Soil	2.2	19.9	9.6	79	0.3	17.5	4.1	116	1.63	10.3	0.5	4.8	0.6	18	0.4	2.0	0.2	38	0.04	0.030
1156053	Soil	2.6	17.8	9.2	85	0.2	17.1	3.5	123	1.54	9.0	0.4	2.8	0.8	15	0.3	2.2	0.3	38	0.03	0.033
1156052	Soil	1.5	18.1	4.9	65	0.2	13.4	2.7	50	0.95	5.7	0.3	1.6	0.4	9	0.2	1.5	0.1	24	0.03	0.019
1156051	Soil	0.9	14.6	3.9	47	0.2	8.8	2.3	66	0.76	2.6	0.3	3.3	0.2	7	0.5	0.8	0.1	20	0.01	0.024
1061949	Soil	0.7	12.8	2.2	12	0.3	3.1	1.6	426	0.52	1.0	0.2	3.0	<0.1	13	0.3	0.2	0.1	13	0.05	0.032
1061947	Soil	2.2	26.7	10.0	60	0.3	13.8	4.3	119	2.24	13.8	0.6	7.4	1.0	22	0.3	2.0	0.3	49	0.05	0.051
1061950	Soil	<0.1	1.5	0.4	5	<0.1	0.7	0.7	17	0.31	<0.5	<0.1	1.5	<0.1	8	<0.1	<0.1	<0.1	11	0.03	0.011
1061948	Soil	2.8	60.7	14.3	90	0.3	20.4	5.2	132	3.15	18.4	0.7	20.8	1.8	36	0.2	3.0	0.3	46	0.04	0.055
1061946	Soil	1.3	14.3	7.6	35	0.2	7.4	1.9	53	1.19	8.6	0.4	2.4	0.3	9	0.1	0.9	0.2	41	0.03	0.032
1061945	Soil	2.0	28.7	9.6	52	<0.1	11.3	3.3	101	1.74	9.3	0.4	4.3	1.0	13	<0.1	1.3	0.3	61	0.04	0.031
1152056	Soil	7.8	32.6	12.6	84	0.4	20.9	5.1	143	2.49	40.1	0.9	5.0	0.6	26	0.4	2.6	0.6	41	0.04	0.054
1152055	Soil	2.9	41.8	18.6	58	0.1	12.0	2.3	104	3.70	118.4	0.6	15.3	3.6	16	<0.1	4.1	1.7	66	0.02	0.056
1152058	Soil	2.7	22.4	9.1	54	<0.1	12.3	3.6	110	3.35	71.2	0.4	7.3	2.9	8	<0.1	2.3	1.0	79	0.03	0.032
1152057	Soil	2.7	22.7	8.1	48	<0.1	11.1	3.2	98	3.27	79.6	0.4	3.9	2.9	7	0.1	2.2	0.9	75	0.02	0.032
1152053	Soil	3.6	22.9	9.4	54	<0.1	9.9	2.5	107	2.06	43.7	0.6	1.7	0.9	10	<0.1	1.9	0.9	69	0.03	0.047
1152054	Soil	2.3	36.9	7.9	52	0.3	14.9	3.7	122	3.01	63.8	0.5	6.1	2.6	11	0.2	1.2	0.8	66	0.04	0.044
1152051	Soil	2.7	11.5	8.0	35	0.1	6.0	1.7	89	1.01	11.8	0.5	2.7	0.7	8	0.2	1.2	0.8	46	0.03	0.030



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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
1156081	Soil	4	7	0.07	1101	0.007	2	0.48	0.015	0.07	<0.1	0.10	0.7	0.1	<0.05	2	1.1
1156078	Soil	7	13	0.08	239	0.009	2	0.73	0.005	0.10	0.1	0.02	0.8	0.2	<0.05	4	1.0
1156077	Soil	3	5	0.03	123	0.006	1	0.37	0.012	0.05	<0.1	0.04	0.2	<0.1	<0.05	2	<0.5
1156075	Soil	6	7	0.06	99	0.009	<1	0.43	0.008	0.06	0.2	0.01	0.5	0.1	<0.05	3	0.6
1156076	Soil	9	20	0.21	918	0.005	3	1.26	0.010	0.18	0.1	0.79	2.6	0.5	<0.05	4	6.3
1156073	Soil	8	12	0.13	249	0.005	2	0.81	0.007	0.09	<0.1	0.04	0.6	0.2	<0.05	3	1.0
1156074	Soil	3	6	0.05	359	0.007	1	0.49	0.023	0.07	<0.1	0.32	0.6	0.2	<0.05	2	1.4
1156071	Soil	7	14	0.13	409	0.006	2	0.76	0.003	0.11	0.1	0.06	1.3	0.3	<0.05	3	2.3
1156072	Soil	7	13	0.15	194	0.007	<1	0.86	0.007	0.09	0.1	0.07	1.1	0.2	<0.05	3	0.5
1156069	Soil	6	11	0.09	507	0.006	2	0.63	0.007	0.10	<0.1	0.09	1.6	0.2	<0.05	2	3.1
1156070	Soil	7	12	0.14	254	0.013	3	0.67	0.012	0.10	0.1	0.13	1.2	0.2	<0.05	2	1.3
1156054	Soil	9	18	0.23	348	0.013	2	1.09	0.006	0.10	0.2	0.31	2.3	0.4	<0.05	3	1.3
1156056	Soil	6	25	0.02	614	0.006	3	0.52	0.006	0.17	0.1	0.09	2.1	0.8	0.36	4	4.5
1156055	Soil	6	12	0.14	281	0.011	4	0.82	0.008	0.06	<0.1	0.11	1.9	0.2	0.07	3	0.8
1156053	Soil	7	8	0.07	101	0.020	2	0.49	0.007	0.06	0.1	0.03	1.5	0.2	<0.05	3	0.6
1156052	Soil	4	4	0.03	86	0.008	2	0.46	0.011	0.03	<0.1	0.02	1.3	<0.1	<0.05	2	<0.5
1156051	Soil	4	4	0.02	116	0.010	1	0.30	0.018	0.03	<0.1	<0.01	0.7	<0.1	<0.05	2	<0.5
1061949	Soil	2	3	0.02	128	0.009	2	0.37	0.022	0.03	<0.1	0.03	0.8	<0.1	0.05	2	<0.5
1061947	Soil	9	19	0.19	267	0.017	2	0.94	0.004	0.08	0.2	0.07	2.2	0.1	0.08	4	0.9
1061950	Soil	<1	1	0.02	22	0.012	1	0.12	0.023	0.02	<0.1	0.02	1.2	<0.1	<0.05	<1	<0.5
1061948	Soil	7	17	0.13	274	0.011	2	0.94	0.007	0.08	0.1	0.06	3.0	0.1	0.09	3	1.7
1061946	Soil	7	9	0.05	149	0.021	1	0.47	0.007	0.05	0.2	0.02	1.4	<0.1	0.07	4	<0.5
1061945	Soil	11	14	0.08	163	0.016	2	0.66	0.003	0.04	0.2	0.02	1.5	<0.1	<0.05	4	<0.5
1152056	Soil	11	15	0.25	175	0.015	<1	0.87	0.013	0.08	0.2	0.04	1.2	0.2	0.09	4	2.3
1152055	Soil	9	30	0.40	162	0.050	1	1.41	0.005	0.16	0.2	<0.01	2.4	0.2	<0.05	4	1.8
1152058	Soil	10	23	0.23	109	0.045	2	1.11	0.003	0.08	0.2	0.02	1.6	0.2	<0.05	6	1.1
1152057	Soil	9	21	0.20	89	0.045	1	0.99	0.003	0.07	0.3	0.02	1.7	0.1	<0.05	6	0.8
1152053	Soil	9	17	0.17	103	0.028	<1	0.78	0.007	0.06	0.4	0.04	1.3	0.2	<0.05	5	0.9
1152054	Soil	10	27	0.31	124	0.053	<1	1.25	0.007	0.11	0.2	0.02	1.9	0.2	0.05	5	1.0
1152051	Soil	8	13	0.15	93	0.041	<1	0.61	0.007	0.04	0.2	0.02	1.3	0.1	<0.05	6	<0.5



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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 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
1152499	Soil	6.0	25.9	15.4	109	0.2	20.9	6.0	310	2.99	44.1	1.2	1.3	1.7	25	0.4	3.1	1.1	93	0.11	0.095
1152052	Soil	5.6	36.2	13.3	83	1.1	23.9	5.7	164	3.31	47.3	0.8	2.3	2.2	16	0.2	2.8	1.0	80	0.03	0.047
1152500	Soil	6.4	74.6	12.8	99	0.2	21.7	7.0	336	4.11	79.7	1.7	5.6	3.5	73	0.3	4.3	1.2	77	0.07	0.082
1152475	Soil	3.8	48.5	8.1	36	0.3	4.5	1.4	102	2.50	10.8	0.7	6.8	1.9	21	<0.1	3.3	0.3	35	0.04	0.049
1152477	Soil	11.2	72.9	19.6	95	0.6	16.6	3.0	200	6.06	98.4	1.5	9.1	10.6	164	0.1	10.1	1.3	69	0.05	0.144
1152478	Soil	9.3	79.1	16.4	95	0.6	13.4	2.3	196	6.26	38.0	1.2	11.9	6.6	147	0.1	7.9	0.6	77	0.06	0.112
1152479	Soil	5.4	68.6	14.1	83	0.4	16.7	3.3	194	4.04	47.5	1.1	6.8	3.9	57	0.2	5.3	0.6	66	0.04	0.081
1152482	Soil	10.6	94.7	23.7	148	0.6	25.3	8.3	295	7.14	91.5	2.1	7.6	10.0	118	0.3	9.1	0.9	84	0.06	0.154
1152480	Soil	5.8	59.1	17.2	81	0.4	14.4	3.5	199	4.17	46.8	1.3	8.1	5.6	46	0.1	6.1	0.6	71	0.04	0.077
1152481	Soil	7.9	80.9	17.5	101	0.5	14.3	4.1	227	5.74	65.2	1.4	9.5	8.5	93	0.2	7.5	0.8	72	0.05	0.109
1152476	Soil	6.0	97.3	13.1	62	0.9	10.9	2.9	192	4.59	50.4	1.3	5.8	3.1	94	<0.1	4.9	0.6	67	0.08	0.089
1152483	Soil	4.9	96.0	14.0	93	0.5	24.5	7.2	323	4.05	99.3	1.9	7.1	5.2	42	0.3	5.2	1.1	64	0.07	0.109
1152484	Soil	4.2	65.3	13.2	95	0.4	20.7	6.5	340	3.37	35.3	1.2	5.5	4.7	46	0.2	3.9	0.6	71	0.07	0.085
1152485	Soil	2.3	64.9	8.5	82	0.2	22.6	5.6	215	2.20	39.0	1.0	4.0	2.7	23	0.3	2.0	0.7	55	0.08	0.066
1152486	Soil	3.3	69.9	10.0	139	0.3	42.3	14.4	369	2.36	25.9	1.4	5.7	3.5	26	0.7	2.3	0.5	51	0.13	0.089
1152497	Soil	5.6	34.6	13.0	107	0.1	21.2	6.5	333	2.84	42.8	1.2	3.2	1.4	20	0.3	2.6	0.8	66	0.08	0.076
1152495	Soil	2.8	17.8	6.9	37	0.1	5.8	2.6	115	1.06	18.8	0.8	4.1	0.2	9	0.1	1.1	0.8	41	0.02	0.039
1152493	Soil	5.3	28.7	15.6	101	0.1	19.2	7.5	496	3.23	52.1	1.1	2.3	1.1	21	0.5	2.3	1.6	75	0.06	0.069
1152491	Soil	2.1	37.2	9.3	109	0.2	29.6	12.7	716	2.64	15.0	1.1	1.8	1.5	14	0.3	1.4	0.3	79	0.07	0.062
1152489	Soil	6.4	80.6	18.0	188	0.8	38.8	12.8	463	3.31	36.3	2.2	6.2	1.9	24	0.8	3.4	0.6	74	0.07	0.117
1152487	Soil	3.7	32.3	13.0	80	0.2	17.6	5.1	233	2.53	48.2	0.9	3.8	2.0	17	0.2	2.5	0.9	74	0.05	0.054
1152488	Soil	3.6	50.6	9.4	66	0.5	14.9	3.4	113	1.66	33.1	2.1	3.2	0.3	16	0.2	2.2	0.8	51	0.05	0.066
1152490	Soil	5.1	43.4	14.5	153	0.3	31.0	11.4	569	3.27	49.0	1.4	4.6	3.4	22	0.6	3.2	0.9	83	0.10	0.106
1152492	Soil	3.7	31.5	13.4	85	0.1	18.3	7.0	535	2.67	47.1	1.1	2.7	0.3	16	0.3	2.0	0.9	77	0.07	0.089
1152494	Soil	4.3	39.9	10.6	114	0.3	21.3	7.5	387	2.04	30.9	1.6	5.4	0.5	18	0.6	2.3	1.2	58	0.07	0.079
1152496	Soil	4.0	27.2	13.4	87	0.1	17.5	9.3	551	2.09	39.6	1.0	4.0	0.4	19	0.5	1.9	0.9	60	0.09	0.097
1152498	Soil	3.9	42.0	13.3	140	0.7	34.5	6.1	254	2.20	36.4	1.6	5.3	1.0	24	0.7	2.2	0.8	60	0.13	0.091
1159234	Soil	13.0	34.4	15.3	85	0.7	19.8	3.5	107	1.86	16.3	2.6	6.6	1.9	127	0.3	7.7	0.2	75	0.03	0.058
1159230	Soil	9.4	23.6	21.2	56	1.7	13.9	1.7	39	1.78	7.9	1.2	2.3	0.2	67	0.1	6.7	0.2	119	0.03	0.053
1159215	Soil	28.0	49.2	19.4	195	0.5	56.9	15.8	1309	3.20	23.0	2.3	8.4	3.4	11	2.0	2.9	0.2	40	0.09	0.083



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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
1152499	Soil	9	36	0.64	311	0.036	2	1.63	0.008	0.11	0.2	0.05	2.9	0.3	<0.05	8	1.1	<0.2
1152052	Soil	9	30	0.30	350	0.019	2	1.72	0.005	0.08	0.4	0.07	2.3	0.2	<0.05	6	0.8	0.3
1152500	Soil	17	34	0.54	358	0.047	<1	1.79	0.022	0.24	0.2	0.03	2.6	0.5	0.27	5	1.8	<0.2
1152475	Soil	6	19	0.36	99	0.043	<1	0.95	0.017	0.22	<0.1	0.03	1.4	0.4	0.12	3	0.7	<0.2
1152477	Soil	13	36	0.64	300	0.071	<1	2.00	0.039	0.55	0.1	0.02	2.2	0.8	0.68	4	4.9	0.2
1152478	Soil	18	42	0.63	257	0.074	<1	2.17	0.058	0.60	<0.1	0.02	2.7	0.7	0.74	5	3.2	<0.2
1152479	Soil	11	34	0.61	239	0.061	<1	1.93	0.022	0.35	0.2	0.03	2.5	0.6	0.26	5	2.0	<0.2
1152482	Soil	20	39	0.59	364	0.072	<1	2.14	0.040	0.47	0.2	0.04	3.5	0.8	0.56	5	5.0	0.3
1152480	Soil	12	35	0.62	236	0.073	<1	1.72	0.014	0.38	0.1	0.04	2.1	0.6	0.21	4	2.3	<0.2
1152481	Soil	18	38	0.70	339	0.076	<1	1.94	0.035	0.45	0.2	<0.01	2.5	0.7	0.38	5	2.2	<0.2
1152476	Soil	11	35	0.66	204	0.063	<1	1.93	0.010	0.35	<0.1	0.02	2.2	0.6	0.18	5	2.8	<0.2
1152483	Soil	11	38	0.63	239	0.064	<1	2.55	0.017	0.33	0.6	0.07	3.5	0.5	0.16	5	3.4	<0.2
1152484	Soil	12	34	0.67	258	0.081	<1	1.83	0.026	0.37	0.2	0.04	2.5	0.6	0.15	5	1.3	<0.2
1152485	Soil	10	26	0.52	203	0.055	<1	1.36	0.017	0.28	0.3	0.03	1.9	0.4	<0.05	4	0.8	<0.2
1152486	Soil	13	23	0.41	315	0.042	<1	1.36	0.009	0.16	0.2	0.07	2.5	0.3	<0.05	3	0.9	<0.2
1152497	Soil	11	24	0.39	228	0.014	1	1.30	0.006	0.09	0.2	0.05	2.0	0.3	<0.05	6	1.2	<0.2
1152495	Soil	8	9	0.09	112	0.010	<1	0.69	0.008	0.04	0.2	<0.01	0.8	0.2	<0.05	4	1.0	<0.2
1152493	Soil	8	30	0.43	297	0.029	<1	1.25	0.006	0.08	0.3	0.03	2.0	0.2	<0.05	7	1.1	<0.2
1152491	Soil	8	29	0.92	334	0.055	2	1.99	0.008	0.33	0.2	0.03	2.3	0.4	<0.05	7	0.7	<0.2
1152489	Soil	12	23	0.29	432	0.007	3	1.55	0.004	0.11	0.2	0.20	1.8	0.3	<0.05	4	1.5	<0.2
1152487	Soil	10	20	0.24	156	0.038	2	0.94	0.005	0.10	0.3	0.03	1.2	0.3	0.05	5	0.6	<0.2
1152488	Soil	10	15	0.19	170	0.017	2	1.07	0.009	0.09	0.3	0.07	0.7	0.2	0.09	3	0.8	<0.2
1152490	Soil	11	30	0.49	220	0.030	3	1.76	0.006	0.12	0.3	0.09	2.5	0.3	<0.05	5	1.5	<0.2
1152492	Soil	10	27	0.37	244	0.023	1	1.36	0.006	0.09	0.2	0.04	1.0	0.2	<0.05	6	0.7	<0.2
1152494	Soil	9	18	0.29	237	0.013	2	1.05	0.007	0.07	0.2	0.06	1.0	0.2	<0.05	4	<0.5	<0.2
1152496	Soil	11	18	0.26	269	0.021	3	1.11	0.006	0.07	0.2	0.05	1.0	0.2	<0.05	5	0.6	<0.2
1152498	Soil	11	21	0.40	322	0.019	4	1.37	0.007	0.10	0.3	0.12	1.6	0.3	<0.05	5	0.8	<0.2
1159234	Soil	7	13	0.11	414	0.007	2	0.69	0.003	0.09	0.1	0.21	1.5	1.2	0.13	2	4.4	<0.2
1159230	Soil	5	12	0.02	482	0.006	1	0.31	0.004	0.08	<0.1	0.10	0.5	0.4	0.06	2	4.5	<0.2
1159215	Soil	11	16	0.32	519	0.007	1	1.00	0.004	0.07	<0.1	0.36	3.2	1.2	<0.05	3	2.1	<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
1159236	Soil	3.0	28.6	8.8	81	0.7	23.4	6.6	198	1.90	9.0	1.3	7.5	3.3	30	0.3	1.9	0.2	45	0.10	0.067
1159214	Soil	27.5	40.4	12.9	156	0.5	46.4	13.1	1030	3.08	19.5	2.7	0.8	3.1	11	1.6	2.1	0.2	34	0.12	0.112
1159218	Soil	1.9	22.8	9.3	61	<0.1	12.5	5.1	288	1.93	8.7	0.5	3.2	0.6	12	0.1	0.9	0.2	44	0.04	0.049
1159232	Soil	12.4	33.9	21.2	83	1.2	18.8	4.0	163	2.67	15.3	1.5	4.3	2.3	76	0.2	6.5	0.2	87	0.02	0.062
1159233	Soil	12.4	34.1	14.9	83	0.7	20.6	3.6	116	1.86	15.5	2.8	7.0	2.0	121	0.2	7.4	0.2	77	0.03	0.054
1159217	Soil	2.6	52.1	14.6	81	<0.1	20.0	13.5	1046	2.22	10.7	0.7	2.5	2.6	9	0.2	1.2	0.3	49	0.04	0.034
1159216	Soil	9.9	39.3	14.7	96	0.2	23.2	10.3	1079	2.84	13.8	0.8	0.9	0.2	17	0.2	1.8	0.3	47	0.04	0.104
1159235	Soil	17.9	29.9	16.1	133	0.6	29.9	5.1	130	2.56	27.1	2.4	4.6	2.3	160	0.4	8.3	0.2	91	0.03	0.073
1159219	Soil	2.4	37.8	12.2	73	0.1	16.2	6.9	327	2.28	10.3	0.9	1.5	1.5	12	0.2	1.1	0.2	47	0.11	0.065
1159221	Soil	2.5	38.5	12.7	72	0.2	16.4	7.2	245	2.26	11.1	0.7	3.3	0.5	11	0.2	1.2	0.3	60	0.05	0.063
1159220	Soil	1.6	56.3	11.8	90	<0.1	24.3	12.6	641	2.30	8.2	0.8	2.4	1.3	16	0.2	1.3	0.2	38	0.10	0.059
1159222	Soil	2.0	29.0	9.9	71	0.2	18.1	5.4	202	1.93	8.3	1.0	2.8	1.9	17	0.1	1.3	0.2	36	0.12	0.052
1159231	Soil	10.0	28.3	23.1	56	1.8	15.2	1.6	39	1.98	8.2	1.6	3.7	0.4	82	0.1	7.5	0.2	135	0.03	0.056
1159229	Soil	3.3	46.2	14.0	70	0.6	15.0	3.8	137	3.30	11.4	0.7	9.3	1.0	47	<0.1	2.4	0.3	55	0.04	0.068
1159227	Soil	2.3	26.0	12.7	63	0.4	14.0	4.0	182	2.35	12.3	0.9	3.2	1.6	18	0.2	1.7	0.2	56	0.07	0.061
1159223	Soil	1.4	16.3	6.5	36	0.2	6.7	1.9	60	1.22	5.7	0.4	2.3	0.1	7	<0.1	1.0	0.2	35	0.02	0.035
1159224	Soil	1.5	11.2	5.5	33	0.3	6.0	1.8	52	1.17	6.9	0.3	0.9	0.3	6	<0.1	1.1	0.2	47	0.02	0.025
1159225	Soil	1.8	26.0	9.5	62	0.4	14.9	5.0	212	1.84	8.4	0.8	6.3	0.8	17	0.2	1.5	0.2	39	0.10	0.062
1159226	Soil	2.5	37.6	12.5	57	1.7	11.8	3.5	132	2.36	8.7	0.6	6.4	1.1	18	0.1	1.7	0.2	38	0.05	0.038
1159228	Soil	2.4	27.1	10.5	83	0.6	17.1	4.7	166	2.10	9.9	0.9	6.1	2.5	13	0.2	1.5	0.2	47	0.05	0.042
1159202	Soil	1.4	30.4	10.9	72	0.4	16.6	2.9	95	2.38	10.1	0.6	3.6	1.3	13	<0.1	1.0	0.2	34	0.02	0.032
1159204	Soil	1.6	52.2	9.7	77	0.3	19.8	10.0	631	1.87	7.8	0.6	3.9	0.4	10	0.3	1.1	0.2	40	0.05	0.038
1159203	Soil	2.0	19.8	9.7	56	0.2	10.2	4.2	477	2.02	9.1	0.5	1.4	0.2	11	0.2	1.2	0.3	58	0.03	0.047
1159207	Soil	1.5	24.9	6.6	44	0.1	9.3	3.8	375	1.85	6.3	0.4	2.1	0.2	8	<0.1	0.8	0.2	42	0.03	0.043
1159205	Soil	1.3	20.7	7.1	44	0.1	9.8	2.8	133	1.58	6.2	0.3	5.6	<0.1	7	<0.1	0.9	0.3	41	0.03	0.045
1159206	Soil	2.8	55.4	11.9	65	0.5	16.3	6.8	524	2.31	10.6	0.6	<0.5	0.1	11	0.2	1.4	0.3	50	0.05	0.064
1159209	Soil	3.6	28.6	11.0	80	0.1	18.9	5.6	245	2.21	10.6	0.8	<0.5	0.6	13	0.3	1.3	0.3	48	0.09	0.065
1159208	Soil	1.7	27.7	7.8	40	0.2	7.9	4.3	527	1.38	5.1	0.4	<0.5	<0.1	8	0.1	0.7	0.2	36	0.05	0.049
1159211	Soil	5.1	43.2	12.2	86	0.2	19.7	7.6	451	2.24	11.6	0.9	1.8	1.5	14	0.4	1.4	0.3	45	0.06	0.068
1159210	Soil	3.3	32.8	10.1	73	0.1	17.8	6.2	266	2.02	8.5	0.9	3.9	1.3	12	0.3	1.3	0.2	40	0.09	0.060



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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
1159236	Soil	11	19	0.33	252	0.025	2	1.07	0.007	0.07	0.2	0.17	1.8	0.2	<0.05	3	0.8	<0.2
1159214	Soil	8	13	0.33	425	0.003	2	0.83	0.003	0.06	<0.1	0.38	3.5	0.6	<0.05	2	2.8	<0.2
1159218	Soil	8	17	0.21	275	0.018	1	1.12	0.011	0.06	0.2	0.02	0.9	<0.1	<0.05	4	<0.5	<0.2
1159232	Soil	6	18	0.11	359	0.005	2	0.93	0.003	0.11	0.1	0.17	1.5	0.7	0.13	3	5.8	<0.2
1159233	Soil	7	14	0.12	427	0.007	2	0.70	0.003	0.09	0.1	0.26	1.5	1.2	0.11	2	4.5	<0.2
1159217	Soil	9	22	0.22	320	0.020	2	1.47	0.005	0.06	0.2	0.04	1.8	0.1	<0.05	4	<0.5	<0.2
1159216	Soil	5	18	0.21	567	0.007	2	0.95	0.005	0.07	<0.1	0.06	0.7	0.2	<0.05	4	0.8	<0.2
1159235	Soil	8	16	0.10	481	0.007	3	0.85	0.004	0.10	0.1	0.26	1.6	2.0	0.14	3	4.8	<0.2
1159219	Soil	11	20	0.31	418	0.027	2	1.22	0.007	0.06	0.2	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1159221	Soil	9	16	0.18	292	0.023	2	0.85	0.005	0.05	0.2	0.03	1.0	0.1	<0.05	5	<0.5	<0.2
1159220	Soil	9	20	0.30	538	0.023	2	0.98	0.005	0.05	0.1	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1159222	Soil	11	19	0.32	526	0.025	3	0.94	0.005	0.05	0.1	0.05	1.7	0.1	<0.05	3	0.9	<0.2
1159231	Soil	5	14	0.02	630	0.006	2	0.34	0.005	0.08	<0.1	0.12	0.6	0.5	0.06	2	5.3	<0.2
1159229	Soil	7	20	0.13	300	0.014	2	0.88	0.005	0.06	0.2	0.07	2.0	0.2	<0.05	4	1.5	<0.2
1159227	Soil	10	19	0.23	867	0.026	1	0.90	0.004	0.06	0.2	0.07	1.3	0.1	<0.05	4	1.3	<0.2
1159223	Soil	7	9	0.05	410	0.013	1	0.39	0.010	0.04	0.2	0.03	0.3	<0.1	<0.05	3	<0.5	<0.2
1159224	Soil	10	9	0.03	122	0.019	1	0.40	0.007	0.04	0.1	0.02	0.3	<0.1	<0.05	4	<0.5	<0.2
1159225	Soil	11	18	0.23	951	0.017	3	0.83	0.005	0.06	0.2	0.07	1.0	<0.1	<0.05	3	1.0	<0.2
1159226	Soil	6	19	0.14	850	0.019	1	1.09	0.005	0.05	0.1	0.19	1.1	0.1	<0.05	3	3.3	<0.2
1159228	Soil	9	19	0.24	588	0.015	2	1.25	0.004	0.06	0.2	0.07	1.5	0.1	<0.05	3	0.8	<0.2
1159202	Soil	3	24	0.23	768	0.004	1	1.16	0.003	0.10	<0.1	0.10	1.6	<0.1	<0.05	3	0.8	<0.2
1159204	Soil	8	17	0.21	357	0.019	2	1.01	0.010	0.05	0.2	0.05	0.9	0.1	<0.05	3	<0.5	<0.2
1159203	Soil	11	16	0.10	514	0.016	1	0.84	0.004	0.06	0.1	0.02	0.5	0.1	<0.05	5	<0.5	<0.2
1159207	Soil	6	13	0.07	353	0.011	2	0.66	0.007	0.04	0.1	0.02	0.4	<0.1	<0.05	3	<0.5	<0.2
1159205	Soil	7	12	0.05	176	0.006	2	0.56	0.008	0.03	<0.1	0.02	0.4	<0.1	<0.05	4	0.7	<0.2
1159206	Soil	7	18	0.10	453	0.006	<1	1.08	0.005	0.04	0.1	0.04	0.6	0.1	<0.05	5	0.5	<0.2
1159209	Soil	10	19	0.26	330	0.010	<1	1.06	0.004	0.05	0.2	0.05	1.1	0.2	<0.05	4	0.9	<0.2
1159208	Soil	6	11	0.06	351	0.005	1	0.62	0.008	0.05	0.1	0.03	0.2	<0.1	<0.05	3	0.6	<0.2
1159211	Soil	9	20	0.22	639	0.010	1	1.23	0.005	0.06	0.2	0.07	1.9	0.2	<0.05	4	1.6	<0.2
1159210	Soil	10	21	0.28	304	0.014	<1	1.20	0.004	0.05	0.2	0.05	1.8	0.1	<0.05	3	0.6	<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 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
1159213	Soil	30.6	43.3	12.3	160	0.6	51.2	13.8	1129	3.29	21.4	2.6	1.8	3.6	12	2.1	2.3	0.2	34	0.15	0.113
1159212	Soil	13.1	21.8	6.9	57	0.3	17.4	5.6	133	1.56	9.0	0.6	<0.5	<0.1	9	0.2	1.0	0.1	27	0.04	0.060
1156009	Soil	2.2	16.1	6.6	46	<0.1	8.4	2.4	57	1.23	8.4	0.4	<0.5	0.8	6	<0.1	1.4	0.2	55	0.01	0.021
1156014	Soil	2.6	178.1	26.2	103	0.3	27.9	4.7	191	5.35	20.7	0.8	39.6	1.5	23	0.1	2.7	0.4	67	0.04	0.099
1156012	Soil	2.3	78.5	15.2	88	0.4	21.9	4.9	169	3.52	17.2	0.8	27.0	1.6	15	0.2	2.4	0.4	46	0.04	0.058
1156011	Soil	4.1	37.5	16.8	96	0.3	14.4	3.1	64	2.38	10.5	0.4	0.8	<0.1	26	0.3	1.7	0.3	59	0.02	0.074
1156013	Soil	2.5	85.3	15.8	91	0.4	24.5	5.3	174	3.60	17.3	0.8	32.8	1.5	15	0.5	2.3	0.4	45	0.04	0.058
1156010	Soil	3.0	37.3	14.1	84	0.1	13.5	3.3	122	2.73	12.3	0.6	1.9	0.1	28	0.2	1.6	0.3	53	0.03	0.080
1156015	Soil	3.2	34.0	13.7	67	<0.1	12.6	3.7	109	2.97	14.8	0.6	2.0	1.0	9	0.2	1.8	0.4	79	0.03	0.054
1156018	Soil	2.2	17.5	6.3	41	<0.1	8.2	2.1	49	1.16	6.9	0.4	3.2	0.1	6	<0.1	1.2	0.2	45	<0.01	0.026
1156019	Soil	3.7	37.4	9.7	46	0.3	9.3	2.6	93	2.19	12.7	0.8	3.0	0.2	14	0.1	1.3	0.3	64	0.04	0.073
1156016	Soil	2.4	31.4	10.6	87	<0.1	22.8	7.1	301	2.45	11.6	0.8	3.9	1.4	10	0.3	1.4	0.2	46	0.07	0.055
1144289	Soil	2.6	33.4	8.9	73	1.3	11.4	2.7	56	1.69	8.8	0.3	4.3	0.2	25	<0.1	2.2	0.2	55	0.03	0.041
1144286	Soil	3.2	56.4	10.0	145	0.2	31.9	7.3	156	3.10	11.0	1.0	5.1	1.0	21	0.4	1.7	0.2	45	0.09	0.075
1144288	Soil	1.4	26.1	4.9	43	0.6	7.8	2.2	83	1.04	4.0	0.3	2.0	0.1	11	0.2	0.8	0.2	30	0.05	0.035
1144296	Soil	3.4	27.1	10.3	72	0.3	18.7	5.7	220	2.81	14.5	0.8	5.1	0.9	15	0.2	2.0	0.3	63	0.06	0.045
1144294	Soil	3.6	128.6	9.2	161	0.2	33.1	5.8	232	4.13	14.6	0.8	4.2	0.3	19	0.2	2.7	0.3	96	0.03	0.068
1144292	Soil	4.4	46.8	10.4	100	1.5	19.0	4.3	137	2.86	15.2	0.8	14.3	0.8	22	0.2	3.5	0.2	63	0.04	0.047
1144287	Soil	3.7	63.5	11.0	124	0.7	26.3	6.8	163	3.15	12.0	0.9	10.6	2.2	26	0.4	2.1	0.2	53	0.07	0.064
1144297	Soil	2.4	21.3	10.1	74	<0.1	16.7	5.0	303	3.49	13.9	0.6	4.3	1.7	9	0.2	1.6	0.3	78	0.05	0.048
1144293	Soil	3.1	65.3	7.5	75	0.5	14.9	4.1	121	3.11	12.7	0.9	17.2	0.4	18	0.2	2.4	0.2	79	0.08	0.063
1144291	Soil	5.4	44.8	12.6	88	1.8	16.5	3.6	92	2.70	12.5	1.0	8.5	0.2	29	0.2	2.8	0.3	67	0.04	0.082
1144290	Soil	3.5	68.3	9.4	100	0.9	18.6	4.2	107	2.15	9.7	0.9	5.8	0.2	23	0.2	2.1	0.2	76	0.02	0.067
1144295	Soil	2.1	41.3	6.7	61	0.7	16.0	4.6	140	2.11	8.4	1.1	15.4	2.2	16	0.2	2.1	0.1	46	0.12	0.059
1156001	Soil	2.8	21.5	6.7	69	0.6	16.4	4.9	164	2.89	14.4	0.7	14.7	1.3	21	0.2	1.6	0.2	66	0.06	0.042
1144298	Soil	3.0	25.9	18.1	51	0.6	11.6	3.4	91	4.11	20.2	0.5	38.1	1.7	20	0.2	4.4	0.4	62	0.04	0.043
1144299	Soil	2.4	22.0	14.0	29	0.7	5.0	1.4	43	2.53	13.5	0.2	3.5	0.6	21	<0.1	3.2	0.3	78	0.03	0.048
1144300	Soil	2.2	23.2	11.0	38	2.4	7.1	1.6	64	2.74	19.0	0.5	19.9	1.0	20	<0.1	2.9	0.2	46	0.03	0.049
1156002	Soil	2.3	25.7	8.1	84	0.3	21.5	6.6	216	2.05	11.2	0.9	5.6	0.9	14	0.3	1.4	0.2	48	0.09	0.053
1156005	Soil	4.4	32.3	12.8	76	0.2	11.2	3.3	58	2.45	13.7	0.5	2.7	0.9	19	0.2	2.3	0.4	80	0.02	0.050



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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
1159213	Soil	9	13	0.32	541	0.003	<1	0.81	0.003	0.05	<0.1	0.50	4.8	0.6	<0.05	2	2.5	<0.2
1159212	Soil	3	8	0.10	155	0.004	<1	0.66	0.011	0.04	<0.1	0.11	0.5	0.3	<0.05	3	2.9	<0.2
1156009	Soil	15	9	0.03	134	0.020	<1	0.44	0.002	0.03	0.2	0.01	0.6	0.1	<0.05	4	<0.5	<0.2
1156014	Soil	6	28	0.19	334	0.018	1	1.87	0.003	0.07	0.1	0.11	3.9	0.2	0.06	4	1.9	0.2
1156012	Soil	8	24	0.23	196	0.012	<1	1.41	0.003	0.06	0.2	0.11	2.4	0.2	<0.05	3	1.8	0.3
1156011	Soil	8	14	0.03	347	0.003	<1	0.56	0.004	0.09	0.1	0.04	0.4	0.2	0.08	5	0.9	0.3
1156013	Soil	8	24	0.24	194	0.012	<1	1.42	0.004	0.06	0.2	0.10	2.6	0.2	<0.05	3	2.1	0.2
1156010	Soil	8	15	0.07	338	0.007	<1	0.69	0.005	0.09	0.1	0.01	0.5	0.1	0.08	4	1.5	0.2
1156015	Soil	11	15	0.07	113	0.042	<1	0.82	0.004	0.04	0.2	0.02	1.0	0.1	<0.05	7	<0.5	<0.2
1156018	Soil	13	10	0.02	142	0.008	<1	0.48	0.005	0.03	0.2	0.02	0.4	0.1	<0.05	4	0.8	<0.2
1156019	Soil	8	23	0.11	822	0.005	<1	0.99	0.003	0.05	0.1	0.06	0.3	0.1	0.06	4	2.0	<0.2
1156016	Soil	10	23	0.30	237	0.015	<1	1.15	0.005	0.05	0.3	0.05	1.6	0.1	0.07	3	0.9	<0.2
1144289	Soil	6	14	0.03	218	0.008	<1	0.37	0.005	0.07	0.1	0.09	0.5	0.2	0.08	3	2.4	<0.2
1144286	Soil	8	20	0.24	209	0.014	2	0.97	0.006	0.08	0.1	0.09	1.7	0.3	0.11	3	2.1	<0.2
1144288	Soil	6	10	0.03	134	0.010	<1	0.69	0.014	0.05	0.1	0.04	0.4	<0.1	0.07	3	0.7	<0.2
1144296	Soil	10	28	0.28	179	0.029	1	1.12	0.004	0.08	0.2	0.06	1.4	0.2	0.09	5	1.4	<0.2
1144294	Soil	8	30	0.08	172	0.011	1	0.80	0.003	0.06	0.1	0.04	1.4	0.1	0.06	5	1.8	<0.2
1144292	Soil	6	25	0.19	223	0.014	<1	0.76	0.003	0.09	0.1	0.24	1.8	0.2	0.13	4	4.9	0.2
1144287	Soil	8	25	0.24	267	0.016	1	0.97	0.004	0.10	0.1	0.15	2.3	0.3	0.07	3	3.0	<0.2
1144297	Soil	10	27	0.26	125	0.032	<1	1.14	0.003	0.06	0.2	0.06	1.5	0.2	<0.05	6	1.0	<0.2
1144293	Soil	8	29	0.19	244	0.017	<1	0.82	0.004	0.07	0.1	0.16	1.4	0.2	0.06	4	2.5	<0.2
1144291	Soil	6	23	0.10	376	0.006	1	0.66	0.003	0.13	<0.1	0.30	0.7	0.3	0.16	3	4.9	<0.2
1144290	Soil	6	23	0.03	313	0.007	<1	0.59	0.006	0.09	<0.1	0.11	0.7	0.2	0.07	3	2.6	<0.2
1144295	Soil	9	24	0.23	183	0.024	1	0.84	0.004	0.07	0.2	0.14	2.0	0.1	<0.05	3	2.2	<0.2
1156001	Soil	9	28	0.26	189	0.026	<1	1.29	0.004	0.08	0.2	0.12	1.5	0.2	0.08	5	1.7	<0.2
1144298	Soil	4	30	0.19	247	0.016	<1	0.85	0.006	0.41	<0.1	0.21	1.7	0.4	0.83	5	4.1	<0.2
1144299	Soil	4	15	0.04	361	0.015	1	0.38	0.003	0.15	<0.1	0.05	0.8	0.2	0.25	4	2.3	0.2
1144300	Soil	3	24	0.07	434	0.007	<1	0.89	0.005	0.29	<0.1	0.25	1.4	0.2	0.57	6	3.7	0.3
1156002	Soil	12	20	0.30	162	0.016	<1	1.03	0.005	0.07	0.2	0.06	1.2	0.1	<0.05	3	1.4	<0.2
1156005	Soil	13	14	0.03	157	0.020	<1	0.57	0.004	0.07	0.1	0.02	0.8	0.2	0.06	5	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	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
1156008	Soil	4.1	49.0	14.3	136	0.8	28.6	6.4	220	3.40	14.7	0.9	7.9	2.0	41	0.3	2.0	0.3	68	0.07	0.109
1156007	Soil	3.5	36.6	16.9	59	0.2	11.1	3.1	100	3.42	14.0	0.4	6.6	1.2	27	<0.1	1.8	0.4	62	0.04	0.053
1156017	Soil	2.9	21.1	14.7	54	0.1	13.1	4.0	176	2.66	12.0	0.5	2.9	0.9	12	<0.1	1.1	0.4	70	0.05	0.039
1156006	Soil	8.5	26.3	17.2	49	0.7	12.4	2.5	77	3.33	14.1	0.8	8.5	1.9	38	0.2	6.0	0.2	107	0.04	0.047
1156004	Soil	9.3	30.0	17.1	99	0.7	18.9	4.2	136	3.17	17.6	0.8	2.9	0.7	28	0.2	4.9	0.3	95	0.04	0.084
1156003	Soil	3.6	33.8	9.7	91	0.6	24.8	7.3	210	2.43	14.0	1.1	8.2	2.4	19	0.4	2.5	0.2	56	0.10	0.054
1152312	Soil	2.6	21.5	10.5	72	0.2	15.1	5.4	219	2.16	17.1	0.6	2.4	0.5	10	0.2	1.2	0.5	59	0.06	0.042
1152313	Soil	2.6	20.7	11.7	70	0.1	12.3	3.9	159	2.32	20.3	0.5	2.3	0.6	9	0.2	1.2	0.5	69	0.04	0.041
1152315	Soil	2.4	20.3	10.4	66	0.2	13.4	4.4	133	2.47	20.1	0.6	6.6	2.4	9	0.3	1.1	0.5	58	0.05	0.047
1152314	Soil	0.8	12.3	4.3	20	<0.1	3.0	1.5	43	0.81	6.4	0.4	<0.5	0.3	8	<0.1	0.2	0.2	28	0.07	0.036
1152316	Soil	3.2	27.6	13.4	92	0.1	16.1	4.9	219	2.66	20.8	0.7	0.8	1.5	12	0.2	1.6	0.6	78	0.05	0.060
1152318	Soil	0.9	9.7	4.1	19	0.1	2.8	1.4	40	0.71	5.5	0.3	0.9	0.2	6	<0.1	0.3	0.2	30	0.02	0.019
1152321	Soil	2.4	22.3	10.6	55	0.1	11.4	3.6	133	2.53	24.3	0.5	1.2	2.2	9	<0.1	1.1	0.6	70	0.04	0.058
1152319	Soil	0.3	2.9	1.4	9	<0.1	1.0	0.7	62	0.29	1.2	0.1	1.6	0.2	5	<0.1	<0.1	0.1	13	0.02	0.013
1152317	Soil	3.2	15.8	10.6	62	0.1	10.4	3.4	125	1.96	22.7	0.5	7.9	1.2	11	0.1	1.3	0.5	72	0.05	0.046
1152320	Soil	2.5	28.2	11.9	68	<0.1	15.3	4.8	131	3.04	31.1	0.7	3.0	4.1	12	0.1	1.2	0.7	60	0.05	0.055
1152322	Soil	2.8	17.6	13.4	67	<0.1	11.9	4.1	243	2.70	22.4	0.6	1.0	2.3	10	0.1	1.3	0.6	76	0.03	0.061
1156449	Soil	8.2	28.3	17.2	104	0.2	21.1	7.1	297	2.90	19.1	1.3	2.2	0.6	19	0.3	2.2	0.5	71	0.05	0.064
1156447	Soil	2.3	31.1	12.5	87	<0.1	20.1	6.1	192	2.56	12.5	0.9	3.1	3.7	15	0.3	1.4	0.3	43	0.12	0.065
1156445	Soil	2.0	31.5	18.2	58	0.2	10.4	3.1	135	2.35	10.9	0.6	3.7	1.6	15	0.1	1.1	0.4	32	0.02	0.058
1156448	Soil	2.7	31.9	15.8	93	0.1	20.7	6.9	261	2.99	15.4	0.9	3.5	0.8	13	0.2	1.3	0.4	41	0.04	0.063
1156446	Soil	2.4	25.2	14.3	51	<0.1	8.6	2.7	116	2.21	11.0	0.6	2.4	0.5	12	<0.1	1.0	0.4	43	0.02	0.053
1156444	Soil	1.9	27.7	13.5	48	0.1	8.4	2.5	86	1.96	10.2	0.6	2.5	0.4	13	0.1	1.0	0.3	34	0.02	0.060
1156442	Soil	2.1	34.4	10.3	86	0.1	20.7	6.2	206	2.39	10.5	1.0	1.7	3.0	19	0.5	1.3	0.2	40	0.15	0.080
1156441	Soil	2.1	32.7	10.6	86	0.1	20.6	6.5	207	2.34	10.3	1.0	2.1	2.7	18	0.4	1.3	0.2	40	0.15	0.077
1156439	Soil	1.4	24.3	8.0	47	0.1	9.4	3.4	107	1.71	6.5	0.6	1.6	0.4	12	0.1	0.8	0.1	28	0.06	0.052
1156440	Soil	2.2	32.3	14.0	75	0.4	14.9	6.0	269	2.50	11.9	1.0	3.1	0.2	15	0.5	1.2	0.3	43	0.06	0.081
1156443	Soil	2.2	25.9	12.9	48	0.2	8.6	2.8	97	2.07	10.0	0.5	1.3	1.0	12	<0.1	1.1	0.4	42	0.03	0.046
1156438	Soil	2.2	45.7	14.0	91	0.1	19.3	6.1	195	3.28	12.5	1.0	3.6	1.1	17	0.3	1.5	0.3	43	0.09	0.079
1152301	Soil	2.1	19.6	11.1	42	0.2	7.9	2.1	73	1.64	9.0	0.5	1.3	0.2	7	<0.1	0.7	0.4	38	0.02	0.045



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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
1156008	Soil	10	26	0.22	273	0.021	<1	1.64	0.004	0.08	0.2	0.07	2.3	0.2	0.06	5	1.6	<0.2
1156007	Soil	7	17	0.13	347	0.024	<1	0.82	0.003	0.12	0.2	0.02	1.6	0.2	0.17	5	1.5	<0.2
1156017	Soil	10	20	0.16	272	0.027	<1	1.08	0.004	0.06	0.2	0.02	1.2	0.2	<0.05	7	0.8	<0.2
1156006	Soil	6	21	0.15	342	0.011	1	0.79	0.005	0.31	0.1	0.12	1.7	0.7	0.59	4	6.4	<0.2
1156004	Soil	9	24	0.16	286	0.014	2	0.96	0.004	0.15	0.1	0.06	1.3	0.6	0.16	5	3.3	<0.2
1156003	Soil	12	25	0.35	249	0.027	1	1.27	0.005	0.11	0.2	0.18	2.2	0.3	0.12	4	1.5	<0.2
1152312	Soil	13	18	0.23	99	0.022	<1	0.94	0.006	0.09	0.2	0.01	0.9	0.2	<0.05	5	<0.5	<0.2
1152313	Soil	13	17	0.17	105	0.025	<1	0.95	0.005	0.09	0.2	0.02	1.0	0.2	<0.05	6	0.9	<0.2
1152315	Soil	11	21	0.20	98	0.033	<1	1.48	0.007	0.08	0.3	0.04	1.6	0.2	<0.05	5	0.7	<0.2
1152314	Soil	7	7	0.08	53	0.036	<1	0.76	0.017	0.05	0.1	<0.01	0.5	<0.1	<0.05	4	<0.5	<0.2
1152316	Soil	12	22	0.25	135	0.024	<1	1.29	0.003	0.11	0.2	0.02	1.6	0.2	<0.05	6	0.8	<0.2
1152318	Soil	10	6	0.04	52	0.021	<1	0.48	0.010	0.04	<0.1	<0.01	0.3	<0.1	<0.05	4	<0.5	<0.2
1152321	Soil	12	16	0.18	110	0.041	<1	1.15	0.005	0.09	0.3	0.01	1.3	0.2	<0.05	7	0.7	<0.2
1152319	Soil	6	3	0.02	33	0.011	<1	0.22	0.016	0.03	<0.1	<0.01	<0.1	<0.1	<0.05	2	<0.5	<0.2
1152317	Soil	12	15	0.14	129	0.027	<1	0.91	0.004	0.09	0.2	<0.01	1.1	0.2	<0.05	6	<0.5	<0.2
1152320	Soil	15	23	0.34	117	0.056	<1	1.45	0.005	0.16	0.4	0.02	2.1	0.3	<0.05	6	0.8	<0.2
1152322	Soil	11	16	0.18	92	0.036	1	0.94	0.003	0.09	0.3	0.02	1.3	0.2	<0.05	7	0.7	<0.2
1156449	Soil	12	25	0.31	161	0.012	2	1.42	0.004	0.09	0.2	0.08	1.1	0.4	<0.05	5	1.7	<0.2
1156447	Soil	17	20	0.31	93	0.024	2	1.12	0.004	0.06	0.4	0.03	1.9	0.1	<0.05	4	1.2	<0.2
1156445	Soil	23	15	0.14	118	0.012	2	0.68	0.003	0.10	0.2	0.03	0.9	0.1	<0.05	3	0.7	<0.2
1156448	Soil	16	22	0.27	108	0.011	1	1.08	0.003	0.08	0.2	0.05	1.1	0.2	<0.05	4	0.9	<0.2
1156446	Soil	19	13	0.09	88	0.017	2	0.74	0.003	0.08	0.1	0.03	0.7	0.2	<0.05	4	0.9	<0.2
1156444	Soil	21	13	0.08	94	0.009	2	0.59	0.004	0.08	0.2	0.03	0.4	<0.1	<0.05	3	0.8	<0.2
1156442	Soil	15	20	0.35	121	0.032	2	0.97	0.005	0.07	0.2	0.02	2.0	<0.1	<0.05	3	0.8	<0.2
1156441	Soil	16	20	0.34	131	0.029	2	0.98	0.007	0.07	0.2	0.03	1.9	<0.1	<0.05	3	0.7	<0.2
1156439	Soil	10	12	0.15	76	0.017	1	0.77	0.013	0.05	0.1	0.02	0.7	<0.1	<0.05	3	0.9	<0.2
1156440	Soil	15	20	0.19	189	0.008	1	1.00	0.004	0.07	0.1	0.04	0.5	0.1	<0.05	4	0.7	<0.2
1156443	Soil	17	14	0.10	80	0.020	2	0.70	0.007	0.07	0.1	0.03	0.9	0.1	<0.05	4	1.0	<0.2
1156438	Soil	17	23	0.30	123	0.020	<1	1.17	0.005	0.07	0.2	0.03	1.5	0.1	<0.05	4	1.4	<0.2
1152301	Soil	21	11	0.06	76	0.010	2	0.61	0.004	0.08	0.1	0.02	0.4	0.1	<0.05	4	0.7	<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
1156450	Soil	3.1	34.0	16.2	79	0.2	15.7	5.1	217	3.64	17.9	1.0	1.6	0.3	14	0.2	1.3	0.5	50	0.03	0.115
1152303	Soil	2.6	18.5	15.0	63	0.2	11.4	3.1	115	2.30	16.8	0.5	0.9	0.7	9	<0.1	1.2	0.5	73	0.02	0.045
1152302	Soil	2.0	33.0	14.3	73	<0.1	18.8	6.2	143	2.33	9.5	0.8	1.6	2.2	14	0.2	1.1	0.2	34	0.05	0.036
1152305	Soil	2.2	17.7	13.5	43	0.1	7.6	2.4	94	1.88	12.3	0.5	1.6	0.3	8	<0.1	0.9	0.5	58	0.02	0.036
1152304	Soil	3.0	24.1	13.7	91	0.1	18.5	5.9	276	2.84	16.8	0.9	2.6	0.5	12	0.2	1.4	0.5	54	0.04	0.058
1152306	Soil	1.6	21.5	12.7	47	0.2	10.1	4.0	97	2.01	8.4	0.5	0.9	0.3	8	<0.1	0.8	0.3	35	0.02	0.039
1152307	Soil	1.8	21.8	14.7	76	0.1	17.2	7.1	317	2.23	9.7	0.6	1.7	1.2	10	0.2	0.8	0.3	40	0.04	0.034
1152309	Soil	2.6	42.2	15.0	58	0.2	12.3	3.4	113	2.22	14.0	1.3	1.7	0.2	10	0.2	1.0	0.4	46	0.03	0.070
1152308	Soil	2.4	25.9	13.7	56	0.2	13.6	3.6	100	2.52	13.2	0.7	2.6	0.6	11	0.1	1.0	0.4	42	0.03	0.041
1152310	Soil	2.4	27.7	11.2	69	<0.1	17.0	5.4	173	2.68	17.2	0.7	2.0	0.8	10	0.2	1.2	0.4	51	0.04	0.041
1152311	Soil	2.4	14.3	8.8	40	<0.1	7.3	2.0	66	1.41	11.9	0.4	5.1	0.1	9	0.1	0.8	0.3	51	0.04	0.037
1159296	Soil	1.8	16.2	6.8	48	0.2	9.4	3.7	504	1.16	11.7	0.4	0.9	0.2	13	0.3	0.9	0.2	24	0.07	0.039
1159297	Soil	3.3	31.2	15.7	109	0.2	22.6	6.9	272	2.75	28.3	0.8	2.9	2.4	17	0.5	2.1	0.6	45	0.09	0.107
1159294	Soil	10.2	46.7	19.6	144	0.3	39.5	14.4	590	3.79	24.5	1.4	1.8	5.0	23	1.6	1.3	0.3	19	0.23	0.158
1159295	Soil	3.1	33.1	14.2	104	0.6	22.9	7.1	626	2.24	20.6	1.1	8.3	1.5	23	0.6	1.2	0.6	38	0.15	0.084
1159286	Soil	1.3	20.8	5.4	37	0.5	10.0	2.3	90	1.36	21.5	0.9	3.5	0.4	14	0.2	0.6	0.5	20	0.09	0.058
1159288	Soil	3.8	47.1	11.4	112	0.4	33.2	7.5	262	2.27	21.3	1.3	4.2	3.7	35	0.5	2.0	0.4	28	0.28	0.106
1159291	Soil	2.5	27.2	12.0	88	1.2	21.0	11.3	814	2.08	14.7	1.1	171.1	1.0	24	0.5	0.9	0.4	31	0.19	0.096
1159292	Soil	2.9	36.1	15.8	137	0.8	27.1	10.1	849	2.36	22.9	1.1	4.4	1.8	24	0.6	1.5	0.7	48	0.15	0.070
1159287	Soil	2.6	32.7	13.2	106	0.4	21.9	7.2	240	2.00	14.2	1.2	3.4	2.0	31	0.4	1.3	0.5	34	0.29	0.104
1159289	Soil	4.0	28.7	14.9	82	0.5	20.3	6.9	198	2.46	14.7	1.0	2.3	2.1	24	0.4	1.2	0.4	31	0.19	0.087
1159290	Soil	2.4	23.4	10.1	56	0.9	13.8	10.9	788	1.62	11.1	0.8	4.1	0.6	20	0.4	0.7	0.3	23	0.16	0.078
1159293	Soil	4.3	41.8	18.5	129	1.2	34.4	26.5	1427	3.94	32.6	1.7	6.6	2.7	26	1.1	2.0	1.0	47	0.17	0.090
1159284	Soil	4.4	46.3	12.8	70	0.1	17.4	9.7	367	1.75	16.7	1.2	4.5	1.5	16	1.0	1.4	0.6	29	0.07	0.058
1159285	Soil	2.5	22.0	7.8	41	0.6	10.4	2.3	49	1.43	32.5	0.8	6.3	0.8	16	0.2	1.2	0.5	25	0.09	0.050
1159282	Soil	3.2	43.7	16.0	114	0.7	26.8	8.4	407	2.18	23.8	1.4	7.0	2.0	22	0.6	2.1	1.1	42	0.17	0.074
1159283	Soil	3.3	33.4	12.9	104	0.3	21.8	8.8	397	2.07	18.3	1.1	6.5	2.4	26	0.4	2.5	0.6	34	0.16	0.071
1159280	Soil	1.2	17.1	5.5	44	0.5	11.2	2.4	84	0.90	7.1	0.5	3.6	0.2	12	0.3	0.9	0.4	23	0.08	0.044
1159279	Soil	3.1	33.1	14.0	115	0.1	25.9	5.2	164	2.40	29.8	0.6	3.7	1.3	15	0.3	3.6	0.5	47	0.06	0.043
1159281	Soil	4.8	16.7	6.2	46	0.3	9.6	2.6	89	1.56	13.5	0.4	1.6	0.5	8	0.1	1.2	0.4	37	0.03	0.034



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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
1156450	Soil	16	22	0.18	104	0.007	2	1.14	0.003	0.10	0.1	0.04	0.3	0.2	<0.05	5	0.9	<0.2
1152303	Soil	15	15	0.12	94	0.021	<1	0.88	0.003	0.08	0.1	0.03	0.9	0.2	<0.05	6	<0.5	<0.2
1152302	Soil	15	18	0.29	81	0.019	2	1.19	0.006	0.06	0.1	0.03	1.4	0.1	<0.05	3	0.9	<0.2
1152305	Soil	20	12	0.07	75	0.018	2	0.74	0.003	0.07	0.1	0.02	0.6	0.2	<0.05	6	0.6	<0.2
1152304	Soil	12	22	0.26	115	0.016	1	1.19	0.003	0.08	0.2	0.03	0.9	0.2	<0.05	5	0.9	<0.2
1152306	Soil	15	12	0.12	75	0.011	1	0.79	0.008	0.06	<0.1	0.02	0.6	0.1	<0.05	4	0.5	<0.2
1152307	Soil	22	20	0.31	136	0.014	2	1.14	0.004	0.09	0.1	0.02	1.3	0.2	<0.05	4	0.6	<0.2
1152309	Soil	14	17	0.15	124	0.007	<1	1.13	0.003	0.07	0.1	0.04	0.3	0.1	<0.05	4	0.6	<0.2
1152308	Soil	16	16	0.20	101	0.015	<1	1.04	0.004	0.08	0.1	0.03	0.9	0.2	<0.05	4	0.7	<0.2
1152310	Soil	12	21	0.31	115	0.020	2	1.31	0.006	0.08	0.2	0.03	1.2	0.2	<0.05	5	1.0	<0.2
1152311	Soil	12	12	0.10	102	0.012	<1	0.68	0.005	0.06	0.2	0.02	0.4	0.2	<0.05	4	<0.5	<0.2
1159296	Soil	5	6	0.08	257	0.010	<1	0.40	0.014	0.05	0.2	0.03	0.7	<0.1	<0.05	2	0.8	<0.2
1159297	Soil	9	17	0.21	289	0.012	2	1.21	0.004	0.07	0.4	0.04	2.1	0.1	<0.05	4	0.8	<0.2
1159294	Soil	13	12	0.26	404	0.003	1	0.87	0.004	0.07	<0.1	0.11	3.9	0.3	<0.05	2	1.7	<0.2
1159295	Soil	9	16	0.26	601	0.008	2	1.21	0.009	0.10	0.2	0.22	2.3	0.2	<0.05	4	1.4	<0.2
1159286	Soil	4	7	0.09	290	0.008	1	0.73	0.019	0.05	0.1	0.13	1.2	0.1	<0.05	2	1.3	<0.2
1159288	Soil	11	13	0.28	937	0.014	1	0.86	0.006	0.07	0.3	0.12	2.7	0.2	<0.05	2	1.2	<0.2
1159291	Soil	9	14	0.23	751	0.006	2	1.16	0.010	0.07	0.2	0.25	2.3	0.2	0.05	3	1.1	<0.2
1159292	Soil	9	19	0.29	565	0.010	2	1.41	0.009	0.13	0.4	0.23	2.8	0.2	<0.05	4	1.6	<0.2
1159287	Soil	11	15	0.30	567	0.010	1	1.17	0.008	0.08	0.2	0.17	2.4	0.2	<0.05	3	1.2	<0.2
1159289	Soil	10	14	0.24	698	0.006	<1	0.93	0.005	0.06	0.2	0.14	2.3	0.2	<0.05	3	0.9	<0.2
1159290	Soil	7	10	0.15	490	0.007	<1	0.77	0.015	0.05	0.1	0.14	1.4	0.2	<0.05	3	0.9	<0.2
1159293	Soil	12	19	0.25	666	0.008	3	1.57	0.009	0.11	0.3	0.26	2.9	0.3	0.07	4	2.2	<0.2
1159284	Soil	11	11	0.11	530	0.005	2	0.82	0.005	0.07	0.2	0.08	1.7	0.2	0.10	3	1.4	<0.2
1159285	Soil	5	9	0.12	330	0.007	3	0.79	0.015	0.07	0.2	0.16	1.2	0.2	<0.05	2	1.9	<0.2
1159282	Soil	12	15	0.26	380	0.011	2	1.21	0.006	0.08	0.4	0.12	2.0	0.4	0.07	4	1.4	<0.2
1159283	Soil	9	15	0.29	491	0.013	2	1.02	0.007	0.09	0.3	0.08	1.8	0.2	<0.05	3	2.0	<0.2
1159280	Soil	4	9	0.12	136	0.013	2	0.54	0.014	0.05	0.1	0.09	0.8	0.2	0.06	2	1.2	<0.2
1159279	Soil	8	17	0.19	124	0.022	8	0.70	0.004	0.07	0.2	0.04	1.7	0.2	0.09	4	1.3	<0.2
1159281	Soil	7	8	0.07	125	0.010	1	0.48	0.007	0.05	0.2	0.02	0.9	0.1	0.10	4	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	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
1159277	Soil	1.3	30.2	10.2	81	1.1	18.6	4.9	261	1.51	5.9	0.7	12.7	0.4	19	0.5	1.4	0.3	32	0.13	0.066
1159278	Soil	2.2	33.7	14.6	121	<0.1	25.4	9.1	490	2.24	19.7	0.6	2.7	1.8	15	0.4	3.6	0.3	37	0.07	0.040
1159276	Soil	2.9	45.0	10.3	134	0.1	30.0	5.6	221	1.99	9.3	0.5	4.4	0.7	16	0.4	3.5	0.3	39	0.08	0.033
1159275	Soil	1.8	34.0	13.1	113	0.3	25.7	6.6	222	1.96	8.0	0.8	3.7	2.7	22	0.4	2.0	0.2	30	0.18	0.060
1159274	Soil	1.7	43.6	18.1	168	0.8	32.1	9.9	967	2.01	8.4	0.8	3.8	0.5	24	1.0	2.6	0.3	31	0.16	0.067
1156305	Soil	4.6	25.6	12.8	86	0.3	20.1	6.4	162	2.50	22.4	0.4	2.0	1.9	8	0.4	1.6	0.4	36	0.03	0.039
1156306	Soil	3.7	46.1	15.3	111	0.1	33.2	10.3	251	2.53	28.2	0.9	15.9	3.9	19	0.6	2.4	0.5	29	0.11	0.060
1156304	Soil	4.0	29.6	15.8	108	0.3	22.3	7.8	234	2.95	29.6	0.5	0.8	2.2	10	0.4	2.1	0.6	40	0.03	0.047
1156303	Soil	6.6	54.5	17.2	142	0.4	40.7	11.7	417	3.11	24.2	1.2	5.5	4.0	29	0.9	2.1	0.4	24	0.21	0.107
1159300	Soil	3.3	36.8	14.9	111	0.6	22.9	9.9	352	2.53	30.5	0.7	2.3	2.2	13	0.4	1.9	0.6	41	0.08	0.100
1159298	Soil	3.6	31.5	16.8	113	0.1	22.9	7.4	294	2.81	28.8	0.8	2.8	2.7	17	0.5	2.4	0.6	45	0.08	0.102
1156302	Soil	4.8	44.2	14.0	104	0.6	40.1	8.4	347	2.32	17.3	1.2	3.7	2.5	40	0.9	1.4	0.5	27	0.39	0.104
1156301	Soil	4.0	47.2	14.0	112	0.5	32.0	12.3	477	2.22	22.0	1.0	3.9	2.3	27	1.0	1.9	0.5	31	0.19	0.072
1159299	Soil	3.8	38.8	14.1	148	0.2	34.4	10.0	476	2.80	25.3	1.0	4.1	3.3	36	0.6	2.8	0.5	43	0.18	0.095
1159044	Soil	2.9	49.6	16.2	247	1.1	69.3	12.7	211	3.03	14.3	0.8	3.2	1.2	23	2.2	4.8	0.3	30	0.03	0.065
1159029	Soil	2.7	36.8	9.8	109	0.1	31.7	10.0	1248	2.72	12.4	0.9	1.7	2.6	13	0.5	1.6	0.3	49	0.06	0.049
1159042	Soil	7.6	39.8	11.0	47	0.4	10.1	2.4	76	1.95	14.5	2.0	6.2	0.3	162	0.3	3.3	0.2	48	0.11	0.144
1159043	Soil	4.1	38.2	14.5	120	0.2	29.5	8.3	345	2.53	10.4	0.9	4.9	0.7	24	0.6	2.2	0.3	39	0.04	0.073
1159047	Soil	5.5	38.2	15.1	68	0.3	15.5	4.8	169	2.50	30.2	0.9	7.0	3.1	111	0.2	2.4	0.3	59	0.07	0.068
1159050	Soil	2.4	26.0	12.9	96	0.4	19.1	6.1	239	2.40	12.4	0.8	5.9	4.0	13	0.2	1.4	0.2	50	0.09	0.060
1159048	Soil	2.5	19.8	13.8	72	0.1	14.4	4.3	163	2.59	13.5	0.5	2.1	3.2	13	0.2	1.6	0.3	76	0.04	0.044
1159049	Soil	0.3	12.2	2.4	11	0.1	1.4	1.6	56	0.61	1.0	0.2	<0.5	<0.1	10	<0.1	0.2	0.1	25	0.07	0.032
1159045	Soil	2.5	18.9	9.5	84	0.1	17.5	3.9	99	1.56	7.4	0.4	1.8	0.3	14	0.4	1.5	0.2	35	0.03	0.034
1159046	Soil	4.0	39.5	12.8	148	0.3	35.1	8.9	244	2.68	9.9	1.0	3.7	2.4	32	0.5	2.3	0.2	32	0.06	0.090
1156352	Soil	1.9	28.8	9.6	48	0.6	12.4	3.3	113	1.92	10.1	0.7	7.7	2.7	20	0.2	1.3	0.2	41	0.05	0.027
1156351	Soil	2.1	29.2	11.1	42	0.3	10.1	3.1	105	1.78	11.7	0.8	9.3	1.8	19	0.2	1.7	0.2	46	0.05	0.030
1159041	Soil	10.1	23.0	14.2	128	0.3	30.4	5.0	128	2.66	18.7	0.9	2.8	1.6	40	0.4	2.6	0.3	53	0.04	0.057
1159033	Soil	28.8	68.9	13.2	463	2.8	41.2	4.2	105	3.27	44.4	1.3	5.2	0.2	51	0.4	15.5	0.3	202	0.02	0.071
1159032	Soil	7.5	78.2	15.6	203	1.4	40.9	6.3	199	3.69	15.2	1.0	4.3	1.5	40	0.3	5.1	0.3	100	0.04	0.052
1159036	Soil	4.3	22.1	10.0	37	2.0	8.0	0.9	21	0.80	12.9	0.5	5.4	0.5	94	<0.1	4.8	0.2	43	0.03	0.038



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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
1159277	Soil	5	13	0.12	268	0.006	2	0.82	0.011	0.09	0.1	0.10	1.3	0.2	<0.05	3	0.7	<0.2
1159278	Soil	9	13	0.12	135	0.015	2	0.57	0.003	0.06	0.1	0.01	1.7	<0.1	0.06	3	1.1	<0.2
1159276	Soil	5	11	0.04	195	0.005	2	0.35	0.003	0.10	<0.1	0.03	1.5	0.1	<0.05	2	1.4	<0.2
1159275	Soil	11	14	0.23	181	0.018	2	0.71	0.005	0.07	0.2	0.05	1.7	0.1	<0.05	2	1.0	<0.2
1159274	Soil	6	13	0.14	329	0.005	2	0.81	0.009	0.09	<0.1	0.11	1.7	0.2	<0.05	3	1.5	<0.2
1156305	Soil	7	13	0.17	228	0.004	1	1.00	0.005	0.07	0.2	0.02	1.8	0.2	<0.05	3	1.2	<0.2
1156306	Soil	9	14	0.23	602	0.005	2	0.97	0.006	0.07	0.3	0.06	2.1	0.2	<0.05	3	1.0	<0.2
1156304	Soil	8	14	0.19	311	0.007	3	1.00	0.002	0.10	0.3	0.02	1.6	0.2	<0.05	4	1.2	<0.2
1156303	Soil	9	13	0.25	890	0.006	2	0.76	0.006	0.08	0.2	0.15	3.3	0.3	<0.05	2	1.8	<0.2
1159300	Soil	8	17	0.18	288	0.016	2	1.39	0.009	0.08	0.6	0.06	1.8	0.2	<0.05	4	1.3	<0.2
1159298	Soil	9	17	0.19	289	0.012	1	1.29	0.004	0.07	0.4	0.04	1.8	0.2	<0.05	4	1.4	<0.2
1156302	Soil	9	13	0.26	678	0.007	2	0.85	0.007	0.08	0.2	0.31	3.1	0.2	<0.05	3	1.4	<0.2
1156301	Soil	10	13	0.23	596	0.012	2	0.97	0.011	0.08	0.3	0.12	2.1	0.2	<0.05	3	1.2	<0.2
1159299	Soil	11	18	0.28	386	0.013	3	1.19	0.005	0.09	0.3	0.06	2.0	0.2	<0.05	3	1.8	<0.2
1159044	Soil	6	8	0.03	296	0.002	2	0.76	0.003	0.07	<0.1	0.22	2.8	0.3	<0.05	2	1.3	<0.2
1159029	Soil	13	23	0.31	259	0.024	1	1.43	0.004	0.06	0.2	0.04	2.4	0.1	<0.05	4	1.1	<0.2
1159042	Soil	8	15	0.09	294	0.005	<1	0.74	0.008	0.08	0.1	0.11	0.6	0.4	0.06	3	1.8	<0.2
1159043	Soil	8	13	0.10	347	0.007	1	0.70	0.003	0.09	0.2	0.07	1.6	0.4	<0.05	3	1.8	<0.2
1159047	Soil	9	25	0.22	731	0.015	2	1.26	0.004	0.10	0.2	0.05	2.9	0.4	<0.05	4	2.4	<0.2
1159050	Soil	11	25	0.31	232	0.021	2	1.98	0.009	0.05	0.3	0.05	2.0	0.1	<0.05	4	0.8	<0.2
1159048	Soil	12	22	0.21	205	0.029	2	1.25	0.004	0.07	0.2	<0.01	1.9	0.1	<0.05	7	<0.5	<0.2
1159049	Soil	5	3	0.03	60	0.020	<1	0.38	0.023	0.02	<0.1	<0.01	0.5	<0.1	<0.05	2	<0.5	<0.2
1159045	Soil	7	9	0.06	170	0.009	2	0.48	0.004	0.06	0.1	0.02	0.7	0.2	<0.05	3	<0.5	<0.2
1159046	Soil	6	13	0.11	198	0.007	2	0.81	0.003	0.08	0.1	0.08	2.0	0.3	<0.05	2	1.9	<0.2
1156352	Soil	7	18	0.17	266	0.023	<1	1.08	0.004	0.04	0.1	0.08	1.6	0.1	<0.05	3	1.5	<0.2
1156351	Soil	8	16	0.16	351	0.021	2	0.94	0.004	0.04	0.2	0.08	1.8	0.1	<0.05	4	1.0	<0.2
1159041	Soil	7	14	0.08	706	0.008	2	0.80	0.003	0.10	0.2	0.12	1.6	0.8	0.06	4	3.5	<0.2
1159033	Soil	9	24	0.02	330	0.008	2	0.39	0.003	0.08	<0.1	0.86	0.8	0.6	0.10	5	12.2	0.2
1159032	Soil	12	26	0.08	193	0.024	2	0.74	0.003	0.09	0.1	0.11	2.0	0.4	<0.05	5	4.7	0.2
1159036	Soil	4	9	0.01	292	0.002	2	0.24	0.002	0.08	<0.1	0.13	1.9	0.7	0.08	2	5.4	0.3



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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
1159039	Soil	3.6	27.3	12.3	99	0.3	21.3	3.9	62	1.54	7.4	0.4	<0.5	0.1	19	0.3	1.8	0.3	45	0.02	0.041
1159037	Soil	4.2	24.2	10.2	42	2.1	9.1	1.0	22	0.85	13.5	0.4	5.6	0.5	100	0.1	5.1	0.2	49	0.03	0.041
1159040	Soil	2.3	31.4	11.8	157	0.3	32.8	8.1	1215	2.29	6.5	0.9	1.7	0.4	28	0.6	1.2	0.3	50	0.06	0.061
1159035	Soil	3.3	37.0	11.5	90	1.3	23.9	5.3	225	1.71	11.8	1.1	12.5	0.9	45	0.4	3.7	0.2	46	0.11	0.068
1159038	Soil	3.2	74.4	23.9	282	0.9	86.9	18.9	534	2.57	13.8	0.9	3.6	1.7	12	0.8	4.4	0.4	30	0.06	0.069
1159030	Soil	0.3	7.0	1.1	12	<0.1	1.7	1.6	140	0.45	<0.5	0.2	<0.5	0.1	9	<0.1	0.1	<0.1	13	0.10	0.036
1159031	Soil	5.0	113.8	14.4	157	1.3	36.7	8.2	305	2.98	11.4	1.8	12.9	3.4	55	0.5	2.8	0.2	61	0.08	0.059
1159034	Soil	3.2	33.4	16.9	79	1.1	18.6	6.4	328	2.86	13.8	1.2	3.6	0.4	21	0.4	2.1	0.4	72	0.08	0.066
1156358	Soil	5.4	37.2	16.6	56	1.7	14.8	4.3	106	2.35	25.1	0.9	10.3	2.4	28	0.2	2.6	0.3	56	0.05	0.041
1156361	Soil	3.1	95.6	15.6	130	0.2	33.3	7.2	107	3.28	10.8	0.8	6.9	3.1	15	0.2	1.8	0.2	51	0.04	0.041
1156357	Soil	0.5	47.5	4.7	7	0.5	2.9	0.8	17	0.44	1.8	0.6	1.9	<0.1	11	0.2	0.2	0.2	12	0.03	0.052
1156362	Soil	2.9	42.9	7.3	47	0.1	10.0	3.5	102	1.17	6.1	0.5	<0.5	0.1	13	0.1	0.8	0.1	27	0.03	0.049
1156356	Soil	3.4	16.2	10.9	56	<0.1	10.8	3.2	135	1.83	10.5	0.4	<0.5	0.4	13	0.1	1.2	0.3	53	0.03	0.039
1156355	Soil	2.0	16.7	8.6	39	0.1	8.3	2.4	67	1.96	11.4	0.4	1.6	1.9	10	0.1	1.5	0.2	58	0.02	0.025
1156353	Soil	2.8	29.8	12.1	89	0.3	18.4	6.3	212	2.51	13.4	0.7	3.7	2.9	13	0.4	1.5	0.2	48	0.06	0.048
1156359	Soil	3.7	16.6	13.3	69	0.1	13.7	3.9	208	3.01	21.3	0.4	<0.5	1.5	10	0.2	1.8	0.3	82	0.02	0.078
1156354	Soil	2.6	23.4	12.2	63	1.6	14.0	4.0	158	2.52	18.3	0.5	<0.5	1.5	29	0.2	1.9	0.3	51	0.08	0.062
1156360	Soil	6.7	25.6	13.5	75	0.4	14.2	3.5	118	2.42	21.6	0.6	<0.5	1.3	27	0.2	2.6	0.3	97	0.02	0.088



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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
1159039	Soil	6	10	0.03	175	0.008	2	0.45	0.006	0.09	<0.1	0.04	0.5	0.2	0.07	3	1.3	<0.2
1159037	Soil	4	10	0.02	289	0.003	3	0.27	0.002	0.08	<0.1	0.14	1.6	0.7	0.12	2	5.2	0.2
1159040	Soil	9	17	0.06	453	0.009	2	1.18	0.006	0.06	0.1	0.05	1.5	0.2	0.06	4	1.0	<0.2
1159035	Soil	10	19	0.19	283	0.018	3	0.69	0.005	0.10	0.1	0.44	1.5	0.4	0.09	3	5.2	0.2
1159038	Soil	6	11	0.04	418	0.001	2	0.62	0.001	0.09	<0.1	0.27	3.3	0.2	<0.05	2	1.8	<0.2
1159030	Soil	2	2	0.03	30	0.022	<1	0.53	0.040	0.04	<0.1	<0.01	0.8	<0.1	0.05	2	<0.5	<0.2
1159031	Soil	14	25	0.22	278	0.021	2	1.25	0.005	0.10	0.2	0.17	3.2	0.3	0.06	3	2.4	<0.2
1159034	Soil	13	32	0.29	200	0.024	2	1.60	0.008	0.10	0.2	0.24	1.1	0.3	<0.05	7	1.7	<0.2
1156358	Soil	8	23	0.18	632	0.021	3	1.05	0.006	0.11	0.2	0.23	2.0	0.2	0.09	4	4.9	0.2
1156361	Soil	7	25	0.19	334	0.014	3	1.40	0.004	0.08	0.1	0.05	2.8	0.2	<0.05	4	1.8	<0.2
1156357	Soil	3	4	0.02	265	0.003	3	0.66	0.019	0.03	<0.1	0.06	0.9	<0.1	<0.05	2	<0.5	<0.2
1156362	Soil	4	8	0.06	266	0.006	3	0.51	0.011	0.04	<0.1	0.04	0.7	0.1	<0.05	3	0.9	<0.2
1156356	Soil	7	11	0.09	153	0.012	2	0.70	0.005	0.05	0.2	0.01	0.9	0.1	<0.05	5	<0.5	<0.2
1156355	Soil	10	13	0.06	106	0.021	3	0.58	0.003	0.03	0.3	0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
1156353	Soil	9	20	0.24	319	0.019	3	1.03	0.004	0.06	0.2	0.07	2.0	0.1	<0.05	4	1.3	<0.2
1156359	Soil	8	16	0.09	187	0.020	2	0.91	0.004	0.05	0.2	<0.01	1.4	0.2	<0.05	7	0.6	<0.2
1156354	Soil	8	17	0.18	245	0.014	3	1.05	0.009	0.06	0.2	0.04	1.5	0.1	<0.05	4	1.0	<0.2
1156360	Soil	6	13	0.10	335	0.009	3	0.89	0.004	0.09	0.2	0.05	1.4	0.4	0.07	5	1.4	<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	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																					
1157431	Soil	6.7	41.6	13.4	169	0.1	58.1	12.9	2023	4.85	12.2	1.4	4.0	2.6	11	1.0	1.9	0.3	52	0.04	0.039
REP 1157431	QC	6.6	41.4	13.3	165	0.2	56.6	12.9	1923	4.74	12.1	1.4	3.1	2.5	11	1.0	2.0	0.3	50	0.04	0.042
1157409	Soil	25.9	139.9	14.4	341	0.9	73.2	7.6	248	3.58	20.4	4.3	5.4	1.0	37	0.9	7.5	0.2	102	0.02	0.058
REP 1157409	QC	25.4	142.2	14.7	339	0.9	74.0	7.7	248	3.64	20.6	4.3	5.2	1.0	36	1.0	7.3	0.3	97	0.02	0.060
1156063	Soil	7.6	53.7	16.7	147	0.4	32.4	10.2	701	2.98	17.2	1.6	11.6	2.7	38	0.5	3.2	0.3	70	0.09	0.081
REP 1156063	QC	7.8	55.7	16.9	150	0.4	35.3	10.4	729	3.07	17.8	1.6	9.7	2.9	39	0.5	3.2	0.3	71	0.08	0.077
1156058	Soil	3.9	18.6	11.7	81	0.7	15.3	3.4	101	1.74	15.5	0.5	2.1	1.3	71	0.6	4.4	0.2	46	0.06	0.046
REP 1156058	QC	3.7	18.5	11.2	83	0.7	15.1	3.6	103	1.73	15.5	0.5	1.4	1.2	69	0.7	4.8	0.2	45	0.06	0.045
1152053	Soil	3.6	22.9	9.4	54	<0.1	9.9	2.5	107	2.06	43.7	0.6	1.7	0.9	10	<0.1	1.9	0.9	69	0.03	0.047
REP 1152053	QC	3.0	22.0	9.6	48	<0.1	8.7	2.4	100	1.97	42.2	0.6	5.1	0.9	10	0.1	1.7	0.9	66	0.02	0.045
1152479	Soil	5.4	68.6	14.1	83	0.4	16.7	3.3	194	4.04	47.5	1.1	6.8	3.9	57	0.2	5.3	0.6	66	0.04	0.081
REP 1152479	QC	5.3	67.9	14.9	83	0.4	16.1	3.4	193	4.08	47.3	1.1	6.9	3.7	57	0.2	5.3	0.7	68	0.04	0.081
1159234	Soil	13.0	34.4	15.3	85	0.7	19.8	3.5	107	1.86	16.3	2.6	6.6	1.9	127	0.3	7.7	0.2	75	0.03	0.058
REP 1159234	QC	13.2	34.6	15.6	87	0.7	20.1	3.7	110	1.94	16.4	2.6	6.7	1.9	130	0.3	7.8	0.2	80	0.04	0.056
1159227	Soil	2.3	26.0	12.7	63	0.4	14.0	4.0	182	2.35	12.3	0.9	3.2	1.6	18	0.2	1.7	0.2	56	0.07	0.061
REP 1159227	QC	2.4	26.3	13.1	63	0.5	13.9	4.3	190	2.42	12.4	0.9	4.7	1.7	19	0.2	1.6	0.2	57	0.08	0.064
1159205	Soil	1.3	20.7	7.1	44	0.1	9.8	2.8	133	1.58	6.2	0.3	5.6	<0.1	7	<0.1	0.9	0.3	41	0.03	0.045
REP 1159205	QC	1.4	20.7	6.9	44	0.1	10.7	2.7	133	1.50	5.9	0.3	<0.5	<0.1	7	0.2	0.9	0.3	39	0.02	0.046
1156018	Soil	2.2	17.5	6.3	41	<0.1	8.2	2.1	49	1.16	6.9	0.4	3.2	0.1	6	<0.1	1.2	0.2	45	<0.01	0.026
REP 1156018	QC	2.2	17.6	5.8	39	<0.1	7.9	2.0	47	1.10	6.7	0.4	2.5	0.2	6	<0.1	1.1	0.2	44	0.01	0.024
1144290	Soil	3.5	68.3	9.4	100	0.9	18.6	4.2	107	2.15	9.7	0.9	5.8	0.2	23	0.2	2.1	0.2	76	0.02	0.067
REP 1144290	QC	3.2	65.2	9.2	98	0.8	18.0	3.9	103	2.12	9.6	0.8	3.7	0.1	22	0.2	2.0	0.3	75	0.03	0.065
1152317	Soil	3.2	15.8	10.6	62	0.1	10.4	3.4	125	1.96	22.7	0.5	7.9	1.2	11	0.1	1.3	0.5	72	0.05	0.046
REP 1152317	QC	2.9	16.0	10.8	62	0.1	10.7	3.3	122	1.96	23.0	0.5	2.0	1.2	11	0.1	1.2	0.5	71	0.06	0.046
1152305	Soil	2.2	17.7	13.5	43	0.1	7.6	2.4	94	1.88	12.3	0.5	1.6	0.3	8	<0.1	0.9	0.5	58	0.02	0.036
REP 1152305	QC	2.0	16.9	13.2	39	<0.1	7.5	2.3	89	1.80	11.7	0.5	2.5	0.3	8	<0.1	0.8	0.5	55	0.02	0.036
1152304	Soil	3.0	24.1	13.7	91	0.1	18.5	5.9	276	2.84	16.8	0.9	2.6	0.5	12	0.2	1.4	0.5	54	0.04	0.058
REP 1152304	QC	2.8	22.7	12.8	87	<0.1	17.3	5.6	261	2.65	16.1	0.9	2.7	0.4	11	0.2	1.3	0.4	52	0.04	0.055



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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																		
1157431	Soil	13	23	0.19	241	0.019	1	1.44	0.003	0.05	0.2	0.15	3.1	0.3	<0.05	4	2.6	<0.2
REP 1157431	QC	12	23	0.19	233	0.017	2	1.40	0.003	0.05	0.2	0.14	2.9	0.3	<0.05	4	2.5	<0.2
1157409	Soil	7	19	0.09	516	0.007	2	0.80	0.005	0.14	<0.1	0.23	2.3	0.9	0.20	3	4.3	<0.2
REP 1157409	QC	7	18	0.09	518	0.008	<1	0.80	0.003	0.14	<0.1	0.22	2.2	0.9	0.20	3	4.5	<0.2
1156063	Soil	11	21	0.26	544	0.007	4	1.31	0.004	0.17	0.1	0.13	2.4	0.4	<0.05	4	1.9	<0.2
REP 1156063	QC	11	22	0.26	548	0.009	4	1.30	0.005	0.17	0.1	0.14	2.6	0.4	<0.05	4	1.7	<0.2
1156058	Soil	9	12	0.09	290	0.022	1	0.52	0.006	0.11	0.1	0.07	1.1	0.4	<0.05	3	1.7	<0.2
REP 1156058	QC	8	11	0.09	277	0.021	<1	0.49	0.006	0.10	0.1	0.06	1.0	0.3	0.06	3	1.7	<0.2
1152053	Soil	9	17	0.17	103	0.028	<1	0.78	0.007	0.06	0.4	0.04	1.3	0.2	<0.05	5	0.9	<0.2
REP 1152053	QC	9	15	0.16	105	0.027	<1	0.74	0.006	0.06	0.3	0.03	1.2	0.1	<0.05	5	1.0	<0.2
1152479	Soil	11	34	0.61	239	0.061	<1	1.93	0.022	0.35	0.2	0.03	2.5	0.6	0.26	5	2.0	<0.2
REP 1152479	QC	12	35	0.60	239	0.063	<1	1.92	0.021	0.35	0.2	0.02	2.7	0.5	0.25	5	2.7	<0.2
1159234	Soil	7	13	0.11	414	0.007	2	0.69	0.003	0.09	0.1	0.21	1.5	1.2	0.13	2	4.4	<0.2
REP 1159234	QC	7	14	0.11	426	0.006	3	0.70	0.003	0.09	0.1	0.25	1.5	1.3	0.12	2	4.7	<0.2
1159227	Soil	10	19	0.23	867	0.026	1	0.90	0.004	0.06	0.2	0.07	1.3	0.1	<0.05	4	1.3	<0.2
REP 1159227	QC	10	20	0.23	883	0.028	3	0.92	0.004	0.06	0.2	0.07	1.4	0.1	<0.05	4	1.3	<0.2
1159205	Soil	7	12	0.05	176	0.006	2	0.56	0.008	0.03	<0.1	0.02	0.4	<0.1	<0.05	4	0.7	<0.2
REP 1159205	QC	7	12	0.04	176	0.006	<1	0.56	0.008	0.03	0.1	0.02	0.4	<0.1	<0.05	4	0.8	<0.2
1156018	Soil	13	10	0.02	142	0.008	<1	0.48	0.005	0.03	0.2	0.02	0.4	0.1	<0.05	4	0.8	<0.2
REP 1156018	QC	14	10	0.02	139	0.008	<1	0.47	0.005	0.03	0.1	0.02	0.4	<0.1	<0.05	4	0.6	<0.2
1144290	Soil	6	23	0.03	313	0.007	<1	0.59	0.006	0.09	<0.1	0.11	0.7	0.2	0.07	3	2.6	<0.2
REP 1144290	QC	5	22	0.03	302	0.007	<1	0.57	0.005	0.09	<0.1	0.10	0.7	0.2	0.07	3	2.2	<0.2
1152317	Soil	12	15	0.14	129	0.027	<1	0.91	0.004	0.09	0.2	<0.01	1.1	0.2	<0.05	6	<0.5	<0.2
REP 1152317	QC	12	15	0.14	130	0.026	<1	0.93	0.004	0.09	0.2	0.02	1.1	0.2	<0.05	6	1.0	<0.2
1152305	Soil	20	12	0.07	75	0.018	2	0.74	0.003	0.07	0.1	0.02	0.6	0.2	<0.05	6	0.6	<0.2
REP 1152305	QC	19	11	0.07	71	0.016	<1	0.72	0.003	0.06	0.1	0.02	0.5	0.1	<0.05	6	<0.5	<0.2
1152304	Soil	12	22	0.26	115	0.016	1	1.19	0.003	0.08	0.2	0.03	0.9	0.2	<0.05	5	0.9	<0.2
REP 1152304	QC	12	21	0.25	111	0.015	2	1.14	0.003	0.07	0.2	0.03	0.9	0.2	<0.05	5	0.8	<0.2



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Part 1

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		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
1159283	Soil	3.3	33.4	12.9	104	0.3	21.8	8.8	397	2.07	18.3	1.1	6.5	2.4	26	0.4	2.5	0.6	34	0.16
REP 1159283	QC	3.3	32.2	13.2	105	0.3	21.0	8.8	390	2.03	17.5	1.0	5.5	2.3	25	0.3	2.3	0.7	34	0.16
1156351	Soil	2.1	29.2	11.1	42	0.3	10.1	3.1	105	1.78	11.7	0.8	9.3	1.8	19	0.2	1.7	0.2	46	0.05
REP 1156351	QC	1.9	27.4	10.2	40	0.3	9.3	2.9	97	1.67	10.7	0.8	8.8	1.6	17	0.1	1.5	0.2	43	0.05
1159032	Soil	7.5	78.2	15.6	203	1.4	40.9	6.3	199	3.69	15.2	1.0	4.3	1.5	40	0.3	5.1	0.3	100	0.04
REP 1159032	QC	7.6	80.8	15.4	207	1.5	40.2	6.3	195	3.71	14.6	1.0	4.2	1.5	40	0.3	5.2	0.3	101	0.04
Reference Materials																				
STD DS8	Standard	13.5	120.8	132.9	326	1.9	40.8	8.4	639	2.60	25.2	3.0	105.4	7.2	71	2.5	6.3	7.3	45	0.69
STD DS8	Standard	12.8	99.3	114.7	287	1.6	33.8	6.4	565	2.29	23.0	2.6	108.1	6.1	66	2.4	5.0	6.0	38	0.64
STD DS8	Standard	13.0	108.3	123.1	303	1.8	36.8	7.2	592	2.39	24.3	2.9	109.6	7.1	70	2.5	6.0	6.7	42	0.67
STD DS8	Standard	12.6	104.5	124.5	295	1.8	35.8	7.4	596	2.35	23.7	2.9	115.7	6.9	67	2.2	5.7	6.7	40	0.66
STD DS8	Standard	11.7	106.6	125.2	305	1.8	36.0	7.3	590	2.44	24.4	2.7	121.9	6.5	63	2.4	5.8	6.7	41	0.68
STD DS8	Standard	13.3	111.5	110.8	290	1.7	37.7	7.7	593	2.36	23.8	2.6	122.2	6.8	64	2.5	5.2	6.3	41	0.68
STD DS8	Standard	11.5	108.1	124.0	305	1.7	37.1	7.5	601	2.49	24.8	2.9	111.0	6.8	65	2.3	6.0	6.0	40	0.69
STD DS8	Standard	13.9	106.1	128.2	310	1.7	38.7	7.4	626	2.44	23.6	2.7	105.9	6.9	69	2.1	5.4	6.1	42	0.72
STD DS8	Standard	13.3	110.4	128.8	296	1.7	36.7	7.6	573	2.26	23.0	3.1	114.5	7.8	64	2.4	5.7	7.1	43	0.67
STD DS8	Standard	11.6	107.7	119.2	304	1.7	36.4	7.1	579	2.38	25.0	2.6	113.9	6.2	63	2.4	5.4	6.7	40	0.65
STD DS8	Standard	15.0	123.6	127.4	332	1.8	42.0	8.7	651	2.61	27.1	2.8	112.1	6.7	70	2.3	5.7	6.8	46	0.76
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
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
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
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
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
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
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
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
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
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



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August 26, 2011

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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
1159283	Soil	9	15	0.29	491	0.013	2	1.02	0.007	0.09	0.3	0.08	1.8	0.2	<0.05	3	2.0	<0.2
REP 1159283	QC	10	15	0.28	498	0.013	3	1.00	0.009	0.09	0.3	0.08	1.9	0.2	<0.05	3	1.3	<0.2
1156351	Soil	8	16	0.16	351	0.021	2	0.94	0.004	0.04	0.2	0.08	1.8	0.1	<0.05	4	1.0	<0.2
REP 1156351	QC	8	15	0.15	334	0.018	<1	0.88	0.004	0.04	0.2	0.08	1.4	<0.1	<0.05	4	0.7	<0.2
1159032	Soil	12	26	0.08	193	0.024	2	0.74	0.003	0.09	0.1	0.11	2.0	0.4	<0.05	5	4.7	0.2
REP 1159032	QC	12	24	0.08	195	0.025	2	0.75	0.003	0.08	0.2	0.11	2.0	0.3	<0.05	5	4.6	0.2
Reference Materials																		
STD DS8	Standard	15	126	0.69	283	0.125	3	0.96	0.094	0.47	3.2	0.21	2.1	6.0	0.17	5	5.6	4.8
STD DS8	Standard	13	105	0.56	264	0.102	2	0.87	0.116	0.41	2.7	0.20	2.5	5.1	0.11	4	3.7	4.2
STD DS8	Standard	15	111	0.63	281	0.119	3	0.92	0.090	0.41	2.8	0.20	1.8	5.2	0.14	5	5.1	4.8
STD DS8	Standard	14	109	0.64	272	0.114	3	0.90	0.093	0.42	2.9	0.21	1.8	5.3	0.15	5	5.6	4.9
STD DS8	Standard	14	116	0.61	265	0.106	2	0.86	0.080	0.42	2.9	0.20	2.3	5.4	0.12	4	4.2	5.0
STD DS8	Standard	15	114	0.58	268	0.122	<1	0.89	0.085	0.40	2.9	0.20	2.2	5.1	0.17	5	5.0	4.8
STD DS8	Standard	14	116	0.59	281	0.107	3	0.88	0.088	0.41	3.0	0.21	2.2	5.5	0.07	5	6.5	5.1
STD DS8	Standard	15	120	0.61	284	0.116	2	0.92	0.098	0.43	2.9	0.20	3.4	5.4	0.15	5	5.3	4.6
STD DS8	Standard	17	123	0.56	286	0.123	3	0.92	0.092	0.38	3.2	0.20	2.6	5.8	0.11	5	5.0	5.1
STD DS8	Standard	13	111	0.59	246	0.102	3	0.85	0.086	0.38	2.9	0.19	2.0	5.3	0.16	4	5.9	5.3
STD DS8	Standard	16	129	0.64	293	0.137	2	0.99	0.103	0.45	3.2	0.21	2.5	5.8	0.14	5	5.3	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
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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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



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Part 2

QUALITY CONTROL REPORT

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		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
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



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Submitted By: Mike Skead

Receiving Lab: Canada-Whitehorse

Received: August 05, 2011

Report Date: August 23, 2011

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CERTIFICATE OF ANALYSIS

WHI11001009.1

CLIENT JOB INFORMATION

Project: PDM
Shipment ID:
P.O. Number
Number of Samples: 293

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	293	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	293	Dry at 60C			VAN
1DX2	293	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

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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
1159265	Soil	7.3	34.5	10.9	131	0.2	35.1	10.5	482	2.46	15.4	1.4	4.7	3.2	21	0.8	1.6	0.2	30	0.14	0.110
1159267	Soil	10.2	51.2	12.1	153	0.4	42.8	13.5	756	2.52	14.9	1.4	5.8	3.2	20	1.3	1.8	0.2	33	0.17	0.112
1159266	Soil	9.6	49.4	12.0	153	0.4	42.4	13.2	736	2.40	14.4	1.4	4.3	3.2	20	1.3	1.8	0.2	33	0.17	0.110
1159268	Soil	5.3	48.9	14.7	165	0.4	36.7	11.6	643	2.85	19.2	1.5	10.6	2.9	20	0.9	2.2	0.3	48	0.08	0.088
1159270	Soil	26.7	54.4	11.2	126	0.9	58.0	10.7	952	6.44	41.5	2.4	5.3	4.0	21	2.1	1.5	0.2	24	0.28	0.132
1159271	Soil	7.8	49.2	14.2	132	0.7	37.5	11.8	540	2.80	17.7	1.6	4.2	3.5	32	0.8	1.5	0.3	21	0.27	0.106
1159269	Soil	8.3	39.3	14.4	123	0.5	31.6	10.1	504	3.21	26.8	1.0	3.6	2.3	17	0.7	1.8	0.3	35	0.09	0.083
1159272	Soil	8.4	29.4	15.4	108	0.1	23.2	10.4	437	3.11	20.6	1.4	1.0	1.2	20	0.7	1.2	0.3	27	0.08	0.068
1159273	Soil	5.9	46.7	13.4	103	0.2	29.8	12.8	843	3.10	13.0	1.3	5.4	3.9	13	0.7	0.7	0.2	13	0.15	0.099
1159253	Soil	20.2	49.2	14.6	175	0.8	63.3	12.7	363	3.33	22.7	2.0	2.4	4.9	27	1.6	1.9	0.3	33	0.33	0.132
1159254	Soil	5.2	24.9	8.3	109	0.3	21.6	8.6	383	1.90	9.4	0.8	3.5	2.3	15	0.8	1.4	0.1	29	0.13	0.126
1159256	Soil	13.4	35.1	9.6	124	0.4	37.4	9.0	307	2.38	13.7	1.6	2.8	3.1	20	0.6	1.4	0.2	27	0.14	0.084
1159255	Soil	10.6	30.5	11.6	134	0.4	26.2	12.0	408	2.70	14.3	1.0	3.1	2.8	12	1.1	1.3	0.2	27	0.12	0.120
1159258	Soil	8.4	29.0	11.8	109	1.1	24.0	9.8	348	2.66	14.7	0.8	2.3	2.6	9	0.7	1.4	0.2	37	0.04	0.106
1159257	Soil	12.8	37.8	12.9	133	0.4	34.2	13.0	721	2.81	17.1	1.4	3.7	3.4	17	1.3	1.6	0.2	25	0.14	0.122
1159259	Soil	5.8	24.4	10.8	117	1.0	23.0	7.1	275	2.48	11.5	0.9	3.9	3.2	8	0.4	1.2	0.2	39	0.03	0.068
1159260	Soil	4.6	24.0	9.4	91	0.7	19.0	6.2	241	1.87	9.5	1.4	3.4	1.9	14	0.5	1.1	0.2	30	0.09	0.077
1159262	Soil	5.7	23.6	9.2	127	0.2	24.9	8.4	414	2.07	12.2	0.8	1.9	2.3	16	0.8	1.4	0.2	30	0.11	0.088
1159261	Soil	6.1	28.7	9.5	116	0.4	26.5	7.5	238	2.30	14.2	0.8	2.5	2.2	11	1.1	1.5	0.2	35	0.04	0.065
1159263	Soil	5.8	23.2	9.6	93	0.6	16.8	4.9	141	2.08	10.3	0.6	2.0	1.5	11	1.1	1.2	0.2	37	0.06	0.078
1159264	Soil	4.3	23.2	8.6	97	0.3	21.8	7.2	313	1.86	11.1	0.8	3.3	2.3	10	0.5	1.2	0.2	30	0.05	0.062
1157350	Soil	10.2	36.5	10.0	128	0.5	31.3	10.7	322	2.46	12.9	1.1	4.4	3.3	12	1.0	1.4	0.2	27	0.12	0.099
1159251	Soil	8.0	30.2	8.3	103	0.3	25.9	7.5	316	1.93	10.2	1.2	3.4	2.6	13	0.6	1.2	0.1	21	0.11	0.078
1157348	Soil	9.3	38.0	10.1	117	0.4	35.5	10.0	530	2.28	11.6	1.3	2.6	3.6	19	0.8	1.3	0.2	20	0.21	0.112
1157345	Soil	10.3	43.7	12.0	136	0.5	46.6	12.7	771	2.46	12.5	1.2	5.1	4.3	24	1.4	1.6	0.2	24	0.27	0.121
1157343	Soil	20.0	50.2	13.5	152	0.7	53.9	13.7	849	2.97	17.2	1.7	4.9	4.7	19	1.4	2.0	0.2	27	0.25	0.116
1157344	Soil	15.7	52.2	13.6	125	0.5	54.7	13.7	834	3.01	16.6	1.5	5.4	5.1	17	0.8	1.6	0.2	21	0.21	0.114
1157346	Soil	10.7	42.5	10.8	103	0.6	36.3	9.5	818	2.76	12.5	1.4	7.0	4.1	14	0.7	1.2	0.2	21	0.15	0.096
1157347	Soil	12.6	43.7	11.0	99	0.6	35.4	9.5	1039	3.92	15.9	1.5	5.9	4.2	15	0.7	1.2	0.2	22	0.16	0.102
1157349	Soil	9.1	34.7	9.8	116	0.3	30.2	9.2	495	2.40	11.4	1.3	4.8	3.7	12	0.6	1.4	0.2	25	0.12	0.097



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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
1159265	Soil	7	14	0.20	682	0.005	3	0.77	0.003	0.08	<0.1	0.10	2.1	0.2	<0.05	2	1.9	<0.2
1159267	Soil	8	14	0.29	439	0.004	2	0.83	0.003	0.08	<0.1	0.33	2.8	0.3	<0.05	2	2.0	<0.2
1159266	Soil	8	14	0.24	458	0.004	3	0.78	0.003	0.08	<0.1	0.32	2.7	0.3	<0.05	2	1.9	<0.2
1159268	Soil	9	19	0.24	635	0.005	3	1.11	0.003	0.10	0.1	0.20	2.3	0.2	<0.05	3	1.2	<0.2
1159270	Soil	6	11	0.12	608	0.002	2	0.53	0.003	0.06	<0.1	0.79	7.2	0.6	<0.05	<1	2.6	<0.2
1159271	Soil	5	12	0.22	794	0.003	2	0.60	0.004	0.06	<0.1	0.26	3.3	0.3	<0.05	2	1.7	<0.2
1159269	Soil	6	17	0.23	610	0.003	2	1.01	0.004	0.07	<0.1	0.12	2.1	0.2	<0.05	3	1.4	<0.2
1159272	Soil	4	14	0.18	870	0.005	<1	0.80	0.003	0.06	<0.1	0.14	1.8	0.2	<0.05	3	1.5	<0.2
1159273	Soil	6	10	0.16	422	0.002	2	0.63	0.005	0.05	<0.1	0.19	2.5	0.2	<0.05	1	1.3	<0.2
1159253	Soil	5	15	0.38	607	0.002	2	0.77	0.003	0.06	<0.1	0.35	3.9	0.5	<0.05	2	2.6	<0.2
1159254	Soil	5	11	0.14	174	0.004	2	0.67	0.002	0.06	<0.1	0.04	1.3	0.2	<0.05	2	1.2	<0.2
1159256	Soil	6	13	0.23	716	0.002	2	0.76	0.004	0.06	<0.1	0.20	2.9	0.3	<0.05	2	1.7	<0.2
1159255	Soil	4	16	0.30	166	0.003	2	1.04	0.003	0.07	<0.1	0.10	2.0	0.3	<0.05	2	1.8	<0.2
1159258	Soil	4	16	0.19	220	0.005	2	1.17	0.004	0.06	<0.1	0.09	1.8	0.3	<0.05	3	1.8	<0.2
1159257	Soil	4	14	0.24	234	0.002	2	0.93	0.004	0.06	<0.1	0.11	2.2	0.4	<0.05	2	2.1	<0.2
1159259	Soil	6	18	0.22	273	0.005	2	1.41	0.004	0.07	0.1	0.07	1.8	0.2	<0.05	3	1.1	<0.2
1159260	Soil	6	13	0.17	163	0.007	2	0.88	0.006	0.06	<0.1	0.09	1.3	0.2	<0.05	2	1.1	<0.2
1159262	Soil	4	13	0.17	294	0.003	1	0.77	0.004	0.06	<0.1	0.05	1.5	0.2	<0.05	2	1.6	<0.2
1159261	Soil	4	15	0.18	401	0.003	2	1.01	0.003	0.06	<0.1	0.07	1.6	0.2	<0.05	2	1.6	<0.2
1159263	Soil	4	11	0.12	219	0.004	<1	0.75	0.006	0.05	<0.1	0.08	1.1	0.2	<0.05	3	1.3	<0.2
1159264	Soil	5	11	0.14	292	0.004	1	0.71	0.003	0.05	<0.1	0.06	1.4	0.1	<0.05	2	1.3	<0.2
1157350	Soil	7	13	0.22	306	0.007	2	0.87	0.003	0.05	<0.1	0.16	2.2	0.3	<0.05	2	1.5	<0.2
1159251	Soil	6	10	0.19	319	0.002	<1	0.65	0.002	0.05	<0.1	0.13	1.9	0.2	<0.05	2	1.2	<0.2
1157348	Soil	7	11	0.23	625	0.003	<1	0.66	0.002	0.05	<0.1	0.20	2.6	0.2	<0.05	2	0.9	<0.2
1157345	Soil	7	11	0.23	773	0.004	2	0.57	0.003	0.06	<0.1	0.38	3.0	0.3	<0.05	2	1.3	<0.2
1157343	Soil	7	12	0.33	857	0.005	1	0.69	0.002	0.06	<0.1	0.53	3.7	0.3	<0.05	2	1.6	<0.2
1157344	Soil	9	14	0.36	773	0.002	1	0.82	0.002	0.05	<0.1	0.38	4.7	0.3	<0.05	2	1.7	<0.2
1157346	Soil	8	13	0.25	535	0.003	<1	0.76	0.004	0.05	<0.1	0.44	3.7	0.2	<0.05	2	1.4	<0.2
1157347	Soil	9	13	0.27	661	0.002	<1	0.76	0.003	0.05	<0.1	0.47	4.3	0.2	<0.05	2	1.5	<0.2
1157349	Soil	6	12	0.20	286	0.002	1	0.81	0.002	0.05	<0.1	0.13	2.2	0.2	<0.05	2	1.2	<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
1157341	Soil	17.4	47.7	13.2	151	0.4	42.3	13.2	431	2.90	18.0	1.9	2.3	4.1	15	1.0	1.8	0.2	25	0.19
1159252	Soil	9.1	45.4	12.1	134	0.5	33.4	11.1	635	2.93	14.2	1.1	5.1	3.1	15	1.1	1.2	0.2	27	0.15
1157342	Soil	17.5	50.0	13.8	175	0.5	47.8	14.4	536	2.92	18.9	1.9	3.9	4.4	15	1.8	2.3	0.2	30	0.16
1159333	Soil	4.9	35.0	9.1	119	0.4	31.4	7.0	522	2.29	11.6	1.1	3.6	1.7	42	0.9	1.5	0.2	26	0.29
1159330	Soil	6.9	54.3	12.9	139	0.5	42.9	9.6	346	2.29	16.5	1.5	4.9	3.2	63	1.1	2.0	0.4	35	0.45
1159331	Soil	5.6	38.9	10.3	142	0.2	30.7	8.5	346	2.29	14.6	1.0	3.2	1.6	27	0.6	1.7	0.3	31	0.17
1159334	Soil	6.6	41.5	10.5	124	0.6	32.5	6.8	471	1.65	9.6	1.6	3.3	1.6	66	1.4	1.1	0.2	25	0.51
1159332	Soil	5.9	42.5	11.2	135	0.3	28.5	7.9	340	2.40	14.8	1.0	3.0	1.0	30	0.5	1.8	0.3	38	0.16
1159303	Soil	2.6	49.1	13.9	119	0.2	35.9	12.8	1108	3.06	13.0	1.1	3.4	3.0	15	0.4	1.7	0.2	55	0.07
1159324	Soil	5.5	53.0	12.1	126	0.2	28.9	7.9	357	2.66	12.2	1.3	4.5	2.2	29	0.4	2.2	0.2	42	0.05
1159329	Soil	3.1	37.1	11.4	88	0.7	28.3	6.1	250	1.86	8.2	1.4	4.0	1.7	128	0.5	1.1	0.2	31	0.80
1159328	Soil	5.3	47.9	13.2	122	0.7	43.5	8.3	366	2.75	12.0	2.1	6.2	2.8	132	0.8	2.0	0.2	47	0.79
1159312	Soil	6.4	50.8	19.2	94	0.2	20.5	7.7	253	3.59	18.4	0.8	2.3	2.3	12	0.2	1.8	0.3	55	0.03
1159311	Soil	2.7	129.9	19.2	135	0.2	43.4	12.3	320	4.72	11.7	1.2	3.7	3.3	14	0.2	1.8	0.2	46	0.05
1159314	Soil	2.1	169.8	23.7	133	0.2	47.0	15.7	434	3.33	13.6	1.1	3.4	2.5	23	0.2	1.6	0.3	40	0.04
1159310	Soil	7.5	28.4	15.8	61	0.2	13.4	4.8	204	2.46	16.1	0.7	4.0	1.8	14	0.1	1.3	0.3	52	0.04
1159309	Soil	2.9	44.9	16.7	107	0.2	32.8	12.0	617	3.19	12.1	0.9	2.9	2.0	13	0.3	1.6	0.2	55	0.06
1159313	Soil	2.6	58.8	17.4	101	0.1	25.1	9.3	311	3.43	13.5	0.7	2.5	2.9	14	0.2	1.4	0.3	56	0.04
1159306	Soil	2.6	53.8	14.5	81	0.2	23.1	5.4	200	2.35	9.8	0.8	3.3	0.2	14	0.1	1.8	0.3	53	0.03
1159307	Soil	4.8	94.1	15.5	137	0.1	38.6	14.0	345	3.58	16.3	1.3	12.2	3.5	24	0.3	2.3	0.2	48	0.17
1159308	Soil	3.2	58.4	16.7	116	0.2	34.4	10.6	403	3.84	13.4	0.9	4.9	1.8	13	0.2	1.8	0.3	52	0.04
1159301	Soil	4.9	35.9	18.2	91	0.2	20.9	6.8	320	3.44	16.9	0.7	2.7	0.5	15	0.3	2.8	0.3	65	0.04
1159305	Soil	3.9	54.4	16.4	97	0.3	23.4	6.7	206	3.42	17.3	1.0	10.5	2.0	38	0.2	3.4	0.2	50	0.03
1159304	Soil	2.5	38.2	13.8	85	0.1	21.6	8.6	380	2.63	11.6	0.8	8.8	2.3	14	0.2	2.1	0.2	44	0.05
1159325	Soil	5.7	49.7	11.7	124	0.2	26.7	7.7	331	2.53	12.1	1.2	5.2	2.3	27	0.3	2.2	0.2	43	0.05
1159323	Soil	5.4	66.8	12.7	161	0.2	32.0	9.1	301	3.32	13.8	0.9	9.3	2.7	32	0.4	2.2	0.2	48	0.03
1159302	Soil	2.7	60.1	16.2	109	<0.1	31.8	10.2	389	2.90	14.9	1.4	5.7	2.8	20	0.4	2.4	0.2	51	0.14
1159327	Soil	4.4	61.6	12.7	171	0.6	42.3	7.3	225	2.37	11.2	1.6	4.7	2.2	114	0.5	2.0	0.2	39	0.60
1159321	Soil	3.4	25.4	9.2	65	0.3	12.7	4.1	200	1.95	11.5	0.4	<0.5	0.9	25	0.2	1.8	0.2	47	0.02
1159318	Soil	3.1	61.1	13.7	102	1.0	29.8	8.2	288	2.84	13.3	0.8	4.9	2.6	20	0.3	1.9	0.3	50	0.05



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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
1157341	Soil	6	14	0.36	397	0.002	1	0.86	0.003	0.05	<0.1	0.21	3.2	0.4	<0.05	2	2.1	<0.2
1159252	Soil	5	15	0.32	390	0.002	1	0.95	0.003	0.06	<0.1	0.22	2.6	0.2	<0.05	2	1.5	<0.2
1157342	Soil	8	14	0.33	290	0.002	<1	0.85	0.002	0.05	<0.1	0.16	3.0	0.4	<0.05	2	2.2	<0.2
1159333	Soil	7	10	0.16	603	0.005	2	0.54	0.005	0.07	0.1	0.13	1.7	0.2	<0.05	2	1.0	<0.2
1159330	Soil	9	13	0.22	868	0.007	2	0.70	0.007	0.07	0.2	0.24	2.8	0.2	<0.05	2	2.1	<0.2
1159331	Soil	8	12	0.18	337	0.005	1	0.64	0.003	0.07	0.1	0.06	1.7	0.2	<0.05	2	1.4	<0.2
1159334	Soil	6	9	0.13	519	0.006	4	0.58	0.015	0.07	<0.1	0.31	2.3	0.3	<0.05	2	1.1	<0.2
1159332	Soil	9	15	0.21	347	0.007	3	0.73	0.006	0.08	0.2	0.05	1.4	0.2	<0.05	3	0.6	<0.2
1159303	Soil	12	32	0.47	355	0.038	2	1.68	0.007	0.07	0.3	0.06	3.3	0.1	<0.05	4	<0.5	<0.2
1159324	Soil	8	16	0.15	883	0.007	3	0.68	0.003	0.08	<0.1	0.09	2.1	0.1	<0.05	2	0.9	<0.2
1159329	Soil	5	11	0.21	544	0.004	4	0.71	0.011	0.07	<0.1	0.32	2.3	0.2	0.09	2	4.2	<0.2
1159328	Soil	7	14	0.25	797	0.004	4	0.66	0.005	0.09	<0.1	0.23	2.9	0.1	0.07	2	2.6	<0.2
1159312	Soil	8	27	0.25	572	0.015	<1	1.31	0.004	0.07	0.2	0.04	2.1	0.2	<0.05	5	0.9	<0.2
1159311	Soil	7	30	0.33	1431	0.028	2	1.43	0.005	0.05	0.2	0.06	3.3	0.3	<0.05	3	1.0	<0.2
1159314	Soil	8	21	0.25	1159	0.016	2	1.10	0.004	0.05	0.2	0.07	3.7	0.1	<0.05	3	1.0	<0.2
1159310	Soil	9	17	0.13	347	0.019	2	0.85	0.005	0.06	0.2	0.24	1.3	0.5	<0.05	5	1.0	<0.2
1159309	Soil	11	25	0.35	844	0.023	2	1.31	0.005	0.09	0.2	0.05	2.3	0.2	<0.05	4	1.1	<0.2
1159313	Soil	10	26	0.31	780	0.027	1	1.26	0.004	0.07	0.2	0.05	2.1	0.1	<0.05	5	0.8	<0.2
1159306	Soil	9	18	0.10	318	0.011	<1	0.92	0.004	0.05	0.1	0.05	0.7	0.1	<0.05	5	<0.5	<0.2
1159307	Soil	9	27	0.38	960	0.041	<1	1.32	0.007	0.05	0.2	0.07	3.3	0.3	<0.05	3	1.0	<0.2
1159308	Soil	8	24	0.26	237	0.020	2	1.28	0.004	0.06	0.2	0.07	2.5	0.1	<0.05	4	1.2	<0.2
1159301	Soil	10	23	0.23	410	0.014	1	1.08	0.005	0.07	0.2	0.03	1.2	0.2	<0.05	6	<0.5	<0.2
1159305	Soil	9	25	0.23	348	0.022	2	1.01	0.005	0.06	0.2	0.13	2.4	0.2	<0.05	4	1.3	<0.2
1159304	Soil	11	23	0.28	330	0.022	3	1.11	0.005	0.05	0.3	0.07	1.8	0.1	<0.05	4	0.8	<0.2
1159325	Soil	7	16	0.15	873	0.007	2	0.68	0.003	0.08	0.1	0.09	2.0	0.1	<0.05	2	1.6	<0.2
1159323	Soil	7	22	0.21	603	0.006	3	1.11	0.004	0.11	<0.1	0.04	2.4	0.2	<0.05	3	1.3	<0.2
1159302	Soil	14	26	0.39	823	0.029	2	1.33	0.006	0.06	0.2	0.07	2.7	0.1	<0.05	4	1.0	<0.2
1159327	Soil	7	14	0.21	1030	0.005	5	0.70	0.008	0.11	0.1	0.24	2.9	0.2	0.06	2	2.3	<0.2
1159321	Soil	6	12	0.08	353	0.019	1	0.49	0.005	0.06	0.1	0.03	1.2	<0.1	<0.05	3	1.3	<0.2
1159318	Soil	9	22	0.25	895	0.017	3	1.11	0.005	0.10	0.2	0.06	2.2	0.1	<0.05	4	1.3	<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 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
1159319	Soil	3.2	36.0	14.6	71	1.4	16.4	4.5	128	2.65	13.1	0.5	3.5	1.7	23	0.1	2.0	0.2	50	0.06	0.035
1159326	Soil	9.7	93.9	19.0	193	0.2	50.2	15.7	414	3.83	18.2	1.3	1.2	2.0	41	1.1	2.1	0.3	34	0.09	0.071
1159317	Soil	2.6	26.7	13.8	40	0.9	7.2	1.7	71	1.89	10.6	0.3	2.4	0.7	18	0.1	1.3	0.2	43	0.03	0.036
1159320	Soil	3.8	31.0	12.8	101	1.0	24.7	8.3	247	3.05	15.3	0.6	2.4	2.6	18	0.3	2.2	0.3	60	0.03	0.037
1159322	Soil	3.9	37.6	11.0	118	1.2	24.7	7.5	177	2.78	14.2	0.6	2.8	1.8	20	0.2	2.0	0.2	53	0.03	0.035
1159316	Soil	2.2	43.9	11.7	75	0.8	18.0	7.6	560	2.55	9.4	0.5	10.9	0.6	17	0.3	1.4	0.3	50	0.04	0.037
1156020	Soil	2.2	41.3	16.4	107	0.2	22.7	7.9	207	2.54	8.8	0.9	4.5	3.0	15	0.3	2.1	0.2	34	0.07	0.057
1156024	Soil	2.3	51.9	19.8	99	0.5	21.6	7.7	246	2.93	9.6	0.8	2.4	0.9	19	0.4	1.6	0.3	43	0.03	0.060
1156021	Soil	2.2	63.5	28.9	125	0.3	25.2	9.8	320	3.44	9.5	0.7	3.7	1.9	21	0.2	2.5	0.3	31	0.01	0.079
1156023	Soil	2.4	56.6	18.8	98	0.8	20.1	6.3	184	3.14	8.7	0.9	3.9	1.0	17	0.3	1.6	0.3	38	0.03	0.072
1156022	Soil	2.6	47.5	22.0	107	0.3	19.3	5.7	307	3.44	11.1	0.9	2.4	0.7	16	0.2	2.1	0.4	39	0.04	0.093
1156026	Soil	2.9	64.3	24.1	109	0.8	22.3	8.4	276	3.18	11.5	1.0	2.6	0.8	22	0.4	2.7	0.3	40	0.03	0.079
1156025	Soil	2.3	59.5	48.9	153	0.7	28.3	11.9	356	2.81	11.3	0.8	1.9	2.8	21	0.5	4.5	0.3	26	0.03	0.069
1156028	Soil	2.3	36.8	14.9	90	0.3	21.1	5.3	153	2.34	9.2	0.8	1.3	0.3	9	0.4	2.1	0.3	33	0.03	0.070
1156027	Soil	2.3	29.9	14.4	70	0.3	12.9	4.0	131	2.10	9.1	0.7	2.1	0.5	8	0.3	1.6	0.3	38	0.02	0.065
1156029	Soil	1.7	36.4	14.5	102	0.4	24.9	8.4	293	2.40	9.5	0.7	6.3	2.7	12	0.4	2.0	0.2	27	0.06	0.055
1156030	Soil	2.2	36.7	13.5	66	0.6	12.1	3.0	96	1.93	8.7	0.9	4.0	0.2	9	0.3	1.7	0.3	37	0.02	0.073
1156031	Soil	3.0	50.8	16.1	130	0.7	35.5	8.2	246	2.73	9.5	0.9	4.3	1.5	17	0.5	2.7	0.3	33	0.06	0.072
1156037	Soil	2.6	57.4	17.7	154	0.6	34.5	11.9	496	2.72	12.3	1.0	6.1	3.4	20	1.0	2.8	0.3	30	0.10	0.073
1156038	Soil	2.5	61.5	15.9	139	0.5	31.3	10.3	381	2.70	16.6	1.0	3.4	3.6	24	0.6	2.5	0.4	30	0.10	0.070
1156039	Soil	2.6	26.7	11.7	70	0.2	13.1	4.4	263	1.94	26.6	0.9	1.2	0.2	10	0.3	1.6	0.7	42	0.04	0.071
1156153	Soil	3.5	35.3	19.3	102	0.1	21.5	6.1	304	2.65	38.0	0.9	3.2	0.9	15	0.4	2.3	1.0	58	0.05	0.070
1156040	Soil	2.1	27.6	11.2	66	<0.1	16.4	5.8	325	1.79	32.8	0.8	2.5	1.1	11	0.3	1.7	0.7	37	0.07	0.052
1156032	Soil	1.4	28.2	10.6	66	0.4	17.1	5.2	222	1.68	5.4	0.7	4.6	0.2	10	0.4	1.3	0.2	23	0.06	0.065
1156034	Soil	2.3	45.8	18.9	117	0.5	31.4	11.2	475	2.68	9.4	0.8	4.8	2.1	14	0.4	2.6	0.2	29	0.05	0.053
1156033	Soil	2.2	48.1	18.9	119	0.4	33.1	11.0	493	2.73	8.8	0.8	3.2	1.8	13	0.5	2.7	0.2	30	0.04	0.059
1156035	Soil	1.9	40.9	19.1	104	0.4	25.8	9.4	424	2.36	8.0	0.8	5.3	1.7	14	0.3	2.0	0.3	28	0.08	0.064
1156036	Soil	2.4	53.6	36.4	158	0.4	31.6	13.6	588	2.92	9.8	0.8	3.0	2.2	15	0.6	3.0	0.3	29	0.07	0.071
1156044	Soil	0.9	17.7	7.1	33	0.4	6.6	1.5	46	0.75	3.4	0.5	2.5	<0.1	8	0.2	0.6	0.1	18	0.05	0.040
1156043	Soil	1.0	12.4	5.3	36	0.2	6.5	1.9	62	0.75	4.2	0.2	2.0	<0.1	6	0.2	0.9	<0.1	17	0.04	0.018



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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	0.01	0.1	0.05	1	0.5	0.2
1159319	Soil	6	22	0.14	479	0.007	2	0.92	0.005	0.11	0.2	0.10	1.5	0.2	<0.05	4	2.9	<0.2
1159326	Soil	5	15	0.16	876	0.005	2	0.71	0.003	0.08	<0.1	0.07	3.2	0.2	<0.05	2	1.6	<0.2
1159317	Soil	3	16	0.06	547	0.004	2	0.59	0.004	0.11	<0.1	0.09	0.9	0.1	0.06	3	1.5	<0.2
1159320	Soil	7	24	0.23	360	0.009	3	1.31	0.004	0.10	0.2	0.09	2.0	0.2	<0.05	4	1.6	<0.2
1159322	Soil	6	20	0.15	320	0.008	<1	1.18	0.004	0.07	0.1	0.07	1.7	0.1	<0.05	3	1.4	0.2
1159316	Soil	8	18	0.12	1099	0.014	1	0.95	0.007	0.09	0.2	0.04	1.2	<0.1	<0.05	4	0.7	<0.2
1156020	Soil	11	17	0.28	133	0.012	2	0.97	0.005	0.08	0.1	0.06	1.8	0.1	<0.05	3	1.7	<0.2
1156024	Soil	10	22	0.22	134	0.016	1	1.12	0.003	0.11	0.1	0.09	1.2	0.3	<0.05	5	<0.5	<0.2
1156021	Soil	5	18	0.14	196	0.005	1	0.98	0.003	0.15	<0.1	0.09	1.8	0.2	<0.05	3	0.8	<0.2
1156023	Soil	8	20	0.17	158	0.008	2	1.16	0.003	0.12	0.1	0.12	1.4	0.2	<0.05	4	1.3	<0.2
1156022	Soil	6	23	0.21	143	0.012	3	1.22	0.004	0.14	0.2	0.10	1.1	0.2	0.07	5	1.6	<0.2
1156026	Soil	8	21	0.16	160	0.011	1	0.84	0.003	0.12	0.1	0.12	1.3	0.4	0.06	3	1.1	<0.2
1156025	Soil	8	15	0.20	135	0.005	4	0.81	0.003	0.09	0.1	0.09	1.8	0.3	0.06	2	1.3	<0.2
1156028	Soil	6	13	0.09	92	0.006	3	0.63	0.002	0.06	0.1	0.07	0.8	0.1	0.08	3	0.9	<0.2
1156027	Soil	6	14	0.08	75	0.008	2	0.63	0.002	0.06	0.2	0.08	0.7	0.2	0.08	3	1.2	<0.2
1156029	Soil	7	14	0.20	92	0.010	3	0.77	0.003	0.06	0.2	0.11	1.6	0.1	0.05	2	1.0	<0.2
1156030	Soil	6	14	0.05	105	0.007	3	0.57	0.005	0.06	0.2	0.15	0.6	0.1	0.08	3	0.9	<0.2
1156031	Soil	7	14	0.18	111	0.008	3	0.70	0.003	0.07	0.1	0.15	1.9	0.2	0.06	2	1.2	0.3
1156037	Soil	8	14	0.24	155	0.014	3	0.75	0.003	0.08	0.2	0.13	2.2	0.2	<0.05	2	1.9	0.2
1156038	Soil	8	14	0.26	165	0.016	2	0.74	0.004	0.09	0.3	0.10	2.1	0.2	0.06	2	2.0	<0.2
1156039	Soil	8	14	0.19	154	0.008	3	0.93	0.006	0.06	0.4	0.05	0.5	0.2	0.05	4	<0.5	<0.2
1156153	Soil	10	18	0.28	226	0.015	3	1.10	0.009	0.09	0.5	0.07	1.5	0.1	<0.05	5	1.1	<0.2
1156040	Soil	8	12	0.22	115	0.019	2	0.93	0.016	0.06	0.5	0.07	1.3	0.1	<0.05	4	1.1	<0.2
1156032	Soil	5	10	0.12	82	0.009	2	0.56	0.009	0.05	0.1	0.08	0.7	0.1	<0.05	2	1.4	<0.2
1156034	Soil	6	14	0.18	139	0.007	1	0.74	0.003	0.07	0.1	0.10	2.1	0.1	<0.05	2	1.7	<0.2
1156033	Soil	6	14	0.17	147	0.007	2	0.78	0.003	0.07	0.1	0.09	1.9	0.1	<0.05	2	1.3	<0.2
1156035	Soil	6	13	0.18	132	0.009	2	0.75	0.005	0.09	<0.1	0.10	1.9	0.1	<0.05	2	1.4	<0.2
1156036	Soil	7	15	0.24	149	0.013	3	0.82	0.004	0.10	<0.1	0.08	1.9	0.3	<0.05	3	1.2	<0.2
1156044	Soil	3	5	0.04	121	0.004	3	0.50	0.012	0.04	<0.1	0.10	0.4	<0.1	<0.05	2	0.6	<0.2
1156043	Soil	3	4	0.03	102	0.005	2	0.30	0.010	0.04	<0.1	0.04	0.5	<0.1	<0.05	2	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 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
1156042	Soil	1.2	15.1	8.4	57	0.1	9.0	2.5	79	1.06	8.8	0.2	<0.5	0.2	6	0.2	1.6	0.3	32	0.02	0.023
1156041	Soil	0.8	10.5	3.0	31	0.2	6.0	1.3	27	0.60	2.8	0.3	1.0	0.1	8	0.1	0.8	<0.1	19	0.06	0.020
1156045	Soil	2.0	42.5	18.0	91	0.5	21.0	6.3	248	1.83	9.6	0.9	4.5	0.5	16	0.4	1.6	0.3	32	0.10	0.068
1156046	Soil	1.4	11.4	9.1	28	0.1	5.2	1.3	38	0.78	4.9	0.4	3.4	0.2	6	<0.1	0.8	0.2	26	0.02	0.023
1156047	Soil	2.0	27.4	14.1	80	0.2	14.5	3.3	85	1.98	9.5	0.4	1.3	0.9	11	0.2	1.9	0.3	38	0.03	0.035
1156049	Soil	1.6	15.2	8.0	30	0.3	5.6	1.5	53	0.77	4.7	0.4	<0.5	<0.1	9	0.2	0.7	0.3	23	0.05	0.031
1156050	Soil	2.9	35.8	14.6	87	0.2	17.3	4.2	122	1.86	17.7	1.0	4.4	0.8	19	0.3	1.8	0.6	40	0.08	0.059
1156151	Soil	3.3	29.7	17.3	87	0.1	16.8	6.2	399	2.32	25.9	0.8	2.1	0.7	14	0.2	2.1	0.6	53	0.04	0.064
1156152	Soil	3.7	50.9	15.2	128	0.4	32.8	12.5	655	2.20	40.2	1.5	5.3	2.6	20	0.6	2.5	0.9	42	0.13	0.090
1156048	Soil	0.6	10.9	4.5	15	0.4	2.9	0.7	21	0.48	2.3	0.3	0.9	0.2	5	<0.1	0.5	0.1	13	0.02	0.021
1156120	Soil	4.4	109.1	21.4	71	2.9	5.8	1.5	75	4.94	14.6	1.7	31.4	1.0	24	0.2	2.0	0.2	55	0.05	0.079
1156119	Soil	1.9	85.6	16.1	73	0.9	18.5	1.9	35	3.68	7.5	0.9	4.7	2.5	58	<0.1	1.1	0.2	23	0.01	0.046
1156122	Soil	1.3	22.8	8.0	15	0.5	3.2	1.2	76	1.26	10.7	0.5	18.5	0.5	19	<0.1	0.9	0.2	23	0.07	0.059
1156124	Soil	3.5	259.5	26.0	40	2.8	9.3	3.2	103	6.40	20.0	0.9	39.0	0.7	11	0.1	2.1	0.4	92	0.02	0.073
1156121	Soil	1.8	33.7	13.0	47	0.7	11.2	3.8	164	2.44	16.5	0.8	18.8	1.5	14	0.1	1.6	0.3	42	0.06	0.059
1156123	Soil	0.9	22.4	10.4	18	1.8	3.4	1.4	58	1.45	4.7	0.5	16.1	0.2	13	<0.1	0.6	0.2	32	0.06	0.051
1156126	Soil	1.0	34.1	12.9	17	2.5	3.3	0.9	50	1.94	7.0	0.9	27.9	1.4	21	<0.1	1.3	0.4	29	0.02	0.042
1156125	Soil	0.7	11.3	9.7	4	0.6	0.6	0.2	11	1.10	5.3	0.6	19.1	0.5	12	<0.1	1.1	0.3	14	<0.01	0.023
1156127	Soil	2.7	71.9	21.8	24	1.7	4.9	1.3	60	3.44	14.3	1.3	62.0	0.4	12	<0.1	2.7	0.7	68	0.03	0.119
1152001	Soil	1.6	63.4	21.8	21	0.7	4.7	1.2	39	3.34	13.3	1.0	51.5	1.4	24	<0.1	1.4	0.6	66	0.01	0.070
1152002	Soil	28.1	112.2	18.5	123	0.6	40.2	5.6	327	6.15	40.4	2.6	4.3	1.3	77	1.2	1.9	0.3	72	0.12	0.135
1152004	Soil	27.0	14.7	21.1	19	0.4	5.3	0.7	30	2.06	28.0	1.4	2.5	0.9	36	<0.1	4.7	0.3	83	0.01	0.048
1152003	Soil	25.2	15.0	20.1	24	0.4	6.8	1.0	44	2.03	27.0	1.4	2.0	0.9	38	<0.1	4.5	0.3	82	0.01	0.051
1152005	Soil	27.3	30.3	19.6	25	0.7	8.1	0.8	32	1.88	23.2	3.0	1.5	2.5	97	0.1	11.1	0.3	148	0.02	0.061
1152006	Soil	27.7	29.3	20.9	26	0.7	7.7	0.9	33	1.92	23.7	3.1	2.4	2.4	96	0.1	10.9	0.3	152	0.02	0.063
1152007	Soil	48.9	20.2	20.1	15	4.1	10.3	0.4	14	1.93	30.9	9.5	3.6	0.8	127	0.2	11.8	0.2	198	0.04	0.108
1058771	Soil	3.2	29.1	8.7	106	1.4	23.1	5.8	173	2.39	16.6	1.0	9.0	1.1	17	0.5	2.3	0.2	52	0.07	0.056
1058770	Soil	2.1	37.3	8.2	64	0.8	15.0	3.4	76	1.54	7.6	0.7	3.3	0.2	10	0.1	1.2	0.2	35	0.04	0.039
1058769	Soil	3.4	29.5	12.2	90	1.1	18.6	4.7	170	3.03	20.2	0.6	7.7	1.8	58	0.3	2.2	0.3	64	0.05	0.069
1058767	Soil	5.1	36.0	14.1	203	0.6	31.2	9.1	611	2.81	11.5	0.6	1.1	0.3	18	1.4	2.9	0.3	59	0.01	0.062



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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
1156042	Soil	7	8	0.04	68	0.005	2	0.36	0.006	0.05	0.1	0.02	0.5	<0.1	<0.05	3	0.6	<0.2
1156041	Soil	5	4	0.02	82	0.005	3	0.20	0.008	0.03	<0.1	0.03	0.3	<0.1	<0.05	2	<0.5	<0.2
1156045	Soil	10	14	0.20	142	0.009	3	0.84	0.007	0.07	0.1	0.15	1.4	0.2	<0.05	3	0.8	<0.2
1156046	Soil	9	6	0.03	63	0.008	1	0.51	0.005	0.04	<0.1	0.03	0.3	<0.1	<0.05	4	<0.5	<0.2
1156047	Soil	7	10	0.08	120	0.007	3	0.62	0.003	0.06	<0.1	0.06	1.1	0.1	<0.05	4	1.6	<0.2
1156049	Soil	5	8	0.06	148	0.006	1	0.54	0.010	0.05	0.1	0.04	0.5	0.1	<0.05	3	<0.5	<0.2
1156050	Soil	8	15	0.18	307	0.009	3	0.94	0.009	0.09	0.4	0.09	1.8	0.3	<0.05	3	1.9	<0.2
1156151	Soil	10	15	0.17	216	0.011	3	0.99	0.004	0.08	0.3	0.05	1.1	0.2	<0.05	5	1.6	<0.2
1156152	Soil	13	16	0.32	292	0.023	2	1.09	0.009	0.10	0.7	0.11	2.1	0.2	<0.05	4	1.5	<0.2
1156048	Soil	5	4	0.03	68	0.007	2	0.40	0.011	0.03	<0.1	0.04	0.5	<0.1	<0.05	2	0.9	<0.2
1156120	Soil	3	36	0.06	611	0.009	3	0.52	0.009	0.15	<0.1	0.55	3.1	0.3	0.24	3	12.1	<0.2
1156119	Soil	<1	21	0.10	1156	0.002	4	0.99	0.004	0.09	<0.1	0.11	4.8	0.2	0.08	2	5.1	<0.2
1156122	Soil	4	9	0.05	874	0.014	2	0.40	0.015	0.08	<0.1	0.13	1.5	0.1	0.14	2	2.3	<0.2
1156124	Soil	5	54	0.13	518	0.009	2	0.92	0.007	0.12	0.2	0.59	2.0	0.2	0.24	4	10.6	0.3
1156121	Soil	7	19	0.21	967	0.021	2	0.85	0.007	0.05	0.1	0.23	1.8	0.1	0.06	4	3.2	0.2
1156123	Soil	3	11	0.05	200	0.008	2	0.44	0.014	0.05	<0.1	0.20	0.7	0.1	0.07	2	2.7	<0.2
1156126	Soil	3	19	0.05	889	0.004	3	0.40	0.002	0.08	<0.1	0.25	2.5	0.1	0.11	2	2.9	<0.2
1156125	Soil	<1	8	0.01	639	0.001	3	0.16	0.002	0.07	<0.1	0.47	1.1	0.2	0.14	1	2.8	<0.2
1156127	Soil	3	35	0.05	539	0.008	3	0.53	0.005	0.17	0.1	0.25	1.5	0.3	0.38	5	4.2	0.3
1152001	Soil	3	31	0.05	338	0.006	3	0.36	0.003	0.17	0.1	0.14	4.1	0.2	0.33	3	1.7	0.3
1152002	Soil	1	23	0.01	52	0.001	3	0.43	0.030	0.93	<0.1	0.34	4.1	3.2	1.85	2	5.2	<0.2
1152004	Soil	2	10	0.02	253	0.002	4	0.28	0.005	0.31	<0.1	0.14	1.0	2.7	0.65	2	3.4	<0.2
1152003	Soil	2	9	0.02	277	0.002	4	0.29	0.005	0.31	<0.1	0.12	1.0	2.6	0.61	2	3.2	<0.2
1152005	Soil	2	13	0.01	461	<0.001	3	0.28	0.003	0.25	<0.1	0.08	2.6	2.2	0.52	2	6.1	<0.2
1152006	Soil	2	13	0.01	398	<0.001	3	0.28	0.003	0.25	<0.1	0.08	2.4	2.4	0.53	2	6.0	<0.2
1152007	Soil	10	19	0.02	391	0.002	2	0.36	0.004	0.30	<0.1	0.41	1.1	2.7	0.58	3	11.8	0.3
1058771	Soil	10	21	0.25	151	0.015	1	1.11	0.004	0.05	0.2	0.17	1.3	0.2	<0.05	4	2.3	<0.2
1058770	Soil	6	12	0.11	97	0.008	1	0.78	0.008	0.04	0.2	0.06	0.5	<0.1	<0.05	3	0.9	<0.2
1058769	Soil	8	23	0.18	258	0.015	1	1.35	0.005	0.12	0.2	0.12	1.6	0.3	0.16	5	3.5	<0.2
1058767	Soil	5	13	0.05	550	0.006	<1	0.63	0.004	0.06	0.1	0.04	0.9	0.3	0.06	3	1.6	<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 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
1058768	Soil	70.1	41.9	35.7	100	3.8	22.9	3.7	125	4.73	89.1	2.2	20.0	4.4	777	0.4	27.2	0.3	108	0.08	0.307
1058766	Soil	2.6	29.5	8.3	90	0.1	18.0	5.4	491	1.81	7.0	0.4	<0.5	0.1	6	0.4	1.1	0.3	34	0.02	0.052
1152020	Soil	5.3	34.2	13.3	140	<0.1	28.1	7.5	224	2.49	9.5	0.3	2.1	0.7	3	0.3	1.7	0.2	12	<0.01	0.048
1152019	Soil	3.2	39.1	11.0	112	0.6	18.6	3.8	108	2.50	27.3	0.6	6.6	0.6	45	0.2	1.8	0.3	72	0.03	0.057
1152018	Soil	7.3	52.2	8.6	105	1.0	20.3	2.8	60	1.99	12.9	1.0	3.5	0.2	39	0.2	3.4	0.2	52	0.03	0.049
1152016	Soil	2.7	89.5	14.1	217	0.4	57.8	11.6	283	3.74	13.2	2.0	9.0	4.0	22	0.8	2.0	0.3	57	0.05	0.051
1152017	Soil	3.6	80.4	10.3	227	0.1	44.1	10.8	171	2.90	11.7	0.8	1.5	0.2	8	0.3	3.3	0.4	68	0.02	0.050
1152015	Soil	3.3	21.8	12.6	102	0.3	16.2	3.8	105	2.28	12.4	0.6	3.2	0.7	11	0.1	2.0	0.4	62	0.03	0.038
1152014	Soil	27.5	47.0	9.8	425	0.5	133.7	15.2	2329	2.95	13.6	4.1	2.9	4.4	16	4.5	3.9	0.2	70	0.15	0.057
1152012	Soil	5.2	72.8	14.4	208	1.0	45.3	9.8	444	4.21	20.2	1.3	7.1	2.6	64	0.7	3.0	0.3	71	0.04	0.079
1152013	Soil	4.2	38.2	10.9	119	1.4	25.1	5.5	163	2.74	18.2	1.0	13.3	2.9	41	0.5	3.0	0.2	62	0.04	0.049
1152011	Soil	3.6	53.1	13.1	153	0.6	30.3	8.1	281	3.00	16.3	1.4	9.0	1.6	52	0.6	2.7	0.3	55	0.07	0.066
1152010	Soil	21.6	113.9	9.1	570	1.3	173.9	14.6	4570	4.78	13.6	5.6	8.8	2.1	54	12.2	4.5	0.2	98	0.15	0.105
1152008	Soil	5.5	33.2	22.0	48	7.0	9.2	1.7	50	4.53	39.8	2.9	39.5	2.0	159	0.1	6.2	0.4	83	0.03	0.106
1152009	Soil	2.1	22.8	8.1	77	1.3	17.8	4.4	154	2.54	12.6	0.8	11.3	2.2	32	0.3	2.1	0.2	49	0.07	0.049
1156137	Soil	2.3	24.9	13.1	96	0.3	19.8	6.7	301	2.56	10.8	0.6	4.5	1.9	14	0.2	1.2	0.2	46	0.09	0.090
1156147	Soil	3.1	22.9	11.5	87	0.1	24.1	7.2	169	2.49	13.0	0.7	9.1	3.2	16	0.4	1.3	0.2	54	0.04	0.044
1156148	Soil	3.1	23.7	11.3	86	0.2	20.3	6.3	182	2.35	12.1	0.8	9.3	2.8	24	0.3	1.4	0.2	47	0.06	0.060
1156145	Soil	2.0	20.0	7.8	108	<0.1	16.5	3.4	101	1.35	4.8	0.4	<0.5	0.2	11	0.1	0.7	0.2	29	0.02	0.034
1156146	Soil	1.9	15.9	12.3	36	0.2	6.4	1.9	83	1.14	8.4	0.4	2.5	0.3	14	<0.1	0.8	0.3	48	0.03	0.030
1156143	Soil	3.0	19.4	12.5	71	0.3	12.5	3.9	170	2.17	11.9	0.5	4.6	1.3	17	0.1	1.2	0.3	61	0.02	0.059
1156141	Soil	3.0	25.2	12.2	98	0.2	16.3	4.5	189	2.46	11.2	0.5	1.1	1.5	18	0.1	1.4	0.2	59	0.02	0.055
1156144	Soil	2.5	21.9	20.5	29	0.2	6.5	1.6	44	1.68	13.9	0.4	3.6	0.5	54	<0.1	1.1	0.5	48	0.02	0.064
1156142	Soil	2.5	22.1	11.5	64	0.2	11.3	3.2	118	1.72	8.3	0.4	1.7	0.5	11	<0.1	1.1	0.3	55	0.02	0.039
1156140	Soil	3.2	21.7	10.6	65	0.5	11.7	3.6	136	1.98	9.8	0.6	0.7	0.8	12	0.2	1.3	0.3	60	0.03	0.039
1156139	Soil	3.2	24.4	12.5	81	0.3	14.5	4.1	130	1.98	9.1	0.6	1.1	0.7	14	0.2	1.3	0.3	63	0.03	0.051
1156138	Soil	3.9	29.1	16.1	99	0.8	17.9	5.2	231	3.12	12.5	0.7	4.0	1.0	14	0.2	1.6	0.3	73	0.04	0.083
1156116	Soil	6.0	31.0	12.9	120	0.1	20.7	5.8	289	2.54	14.0	1.3	1.3	1.0	22	0.3	2.4	0.3	77	0.07	0.114
1156150	Soil	5.3	25.8	12.7	84	0.1	16.3	5.0	207	2.54	13.7	0.8	1.9	1.3	23	0.1	1.4	0.3	57	0.04	0.111
1156149	Soil	2.9	23.3	12.5	56	0.2	10.3	3.0	106	2.06	12.9	0.6	3.2	1.7	25	0.2	1.7	0.3	60	0.03	0.040



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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
1058768	Soil	26	44	0.08	141	0.009	1	1.08	0.005	0.31	0.2	1.70	2.2	3.5	0.78	7	>100	0.6
1058766	Soil	4	9	0.07	208	0.006	<1	0.60	0.006	0.06	<0.1	0.02	0.5	0.2	<0.05	3	<0.5	<0.2
1152020	Soil	2	5	0.03	141	0.004	2	0.33	0.001	0.06	<0.1	0.14	2.1	0.2	<0.05	<1	1.2	<0.2
1152019	Soil	9	20	0.08	178	0.011	1	0.70	0.002	0.06	0.2	0.05	1.1	0.2	0.06	6	1.3	<0.2
1152018	Soil	6	14	0.05	111	0.009	<1	0.62	0.006	0.04	0.1	0.07	0.7	0.2	0.06	3	2.1	<0.2
1152016	Soil	9	26	0.33	180	0.020	1	1.72	0.004	0.07	0.2	0.08	3.9	0.2	<0.05	4	1.4	<0.2
1152017	Soil	11	15	0.02	100	0.008	<1	0.45	0.001	0.05	0.1	0.02	0.6	0.1	<0.05	4	1.1	<0.2
1152015	Soil	9	17	0.07	205	0.015	2	0.58	0.002	0.07	0.1	0.05	1.0	0.1	0.07	5	0.9	<0.2
1152014	Soil	16	10	0.07	690	0.005	1	0.55	0.002	0.06	<0.1	0.64	4.2	1.3	<0.05	1	2.2	<0.2
1152012	Soil	8	29	0.15	230	0.013	1	1.30	0.004	0.08	0.2	0.09	3.0	0.3	0.10	4	2.9	<0.2
1152013	Soil	8	26	0.20	154	0.012	2	1.17	0.003	0.07	0.2	0.19	1.8	0.2	0.08	4	3.1	<0.2
1152011	Soil	10	22	0.21	186	0.017	1	1.02	0.004	0.08	0.2	0.10	2.0	0.2	0.09	3	2.4	<0.2
1152010	Soil	13	14	0.07	776	0.003	2	1.08	0.005	0.06	<0.1	0.66	4.6	0.4	0.05	2	3.4	<0.2
1152008	Soil	5	28	0.07	165	0.007	2	0.48	0.005	0.49	0.1	0.62	2.4	1.1	0.89	4	15.4	0.5
1152009	Soil	8	23	0.21	166	0.021	2	0.92	0.003	0.07	0.2	0.17	1.7	0.1	0.07	4	1.6	<0.2
1156137	Soil	8	21	0.29	165	0.013	2	1.04	0.005	0.07	0.2	0.04	1.3	0.1	<0.05	4	1.3	<0.2
1156147	Soil	9	24	0.34	263	0.012	2	1.56	0.005	0.08	0.2	0.05	1.9	0.2	<0.05	4	0.6	<0.2
1156148	Soil	9	22	0.24	246	0.010	2	1.44	0.005	0.07	0.2	0.06	1.7	0.2	<0.05	4	1.0	<0.2
1156145	Soil	6	5	0.02	116	0.009	<1	0.40	0.008	0.04	<0.1	0.02	0.5	0.1	<0.05	3	0.6	<0.2
1156146	Soil	8	9	0.04	199	0.012	<1	0.61	0.003	0.04	0.2	0.02	0.4	0.1	<0.05	4	0.6	<0.2
1156143	Soil	7	16	0.11	195	0.009	<1	0.99	0.003	0.07	0.2	0.04	1.1	0.4	0.06	5	0.8	<0.2
1156141	Soil	6	15	0.12	162	0.005	2	0.96	0.003	0.06	<0.1	0.02	1.3	0.1	<0.05	4	1.1	<0.2
1156144	Soil	5	9	0.03	553	0.010	1	0.46	0.003	0.09	0.1	0.03	1.2	0.2	0.15	4	0.8	<0.2
1156142	Soil	8	11	0.07	151	0.008	<1	0.59	0.002	0.05	0.1	0.01	0.7	0.1	<0.05	4	0.8	<0.2
1156140	Soil	9	15	0.11	174	0.016	1	0.67	0.005	0.06	0.1	0.02	1.1	0.1	<0.05	4	1.3	<0.2
1156139	Soil	10	15	0.10	152	0.014	2	0.72	0.005	0.06	0.1	0.02	1.0	0.2	<0.05	5	1.1	<0.2
1156138	Soil	9	20	0.17	158	0.014	3	1.10	0.007	0.07	0.1	0.04	1.6	0.2	<0.05	6	1.0	<0.2
1156116	Soil	10	17	0.18	249	0.005	3	0.77	0.003	0.10	0.1	0.03	1.4	0.2	<0.05	4	1.5	<0.2
1156150	Soil	7	17	0.13	215	0.006	2	0.85	0.006	0.08	0.1	0.03	1.5	0.2	<0.05	5	1.0	<0.2
1156149	Soil	9	14	0.09	333	0.023	3	0.68	0.008	0.05	0.1	0.02	1.4	0.1	<0.05	4	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	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
1156117	Soil	9.4	44.1	16.0	138	0.2	51.3	12.6	472	3.51	17.2	2.3	2.7	4.1	61	1.4	1.5	0.2	23	0.12	0.089
1156101	Soil	3.8	29.6	13.6	135	0.3	21.4	10.1	655	2.72	11.1	0.9	2.0	3.1	13	0.8	1.6	0.3	66	0.03	0.065
1156103	Soil	4.5	38.3	12.6	126	0.4	23.6	7.0	374	2.53	11.2	1.3	10.6	2.4	22	0.6	1.9	0.2	68	0.05	0.082
1156102	Soil	5.1	54.2	14.7	135	0.4	28.3	9.5	491	2.92	11.2	1.7	21.5	3.4	17	0.4	2.2	0.3	55	0.02	0.058
1157499	Soil	6.7	34.0	12.2	108	0.2	22.9	6.5	189	2.83	13.6	0.7	2.7	2.6	21	0.2	1.6	0.2	60	0.02	0.041
1157500	Soil	5.5	60.7	13.4	142	0.3	36.8	9.0	481	2.76	13.7	1.9	8.6	3.5	13	0.6	2.2	0.2	57	0.02	0.037
1156118	Soil	6.1	36.5	12.4	120	0.3	28.2	8.6	279	2.79	13.1	1.8	2.6	3.4	29	0.9	1.4	0.2	47	0.08	0.060
1156107	Soil	3.7	49.6	10.4	117	0.3	27.9	7.5	355	2.01	8.0	1.2	6.2	2.7	20	0.7	1.7	0.2	37	0.09	0.068
1156109	Soil	3.5	27.7	12.8	56	0.7	10.8	2.7	81	1.77	12.9	0.6	2.5	0.2	19	0.2	1.7	0.3	53	0.02	0.104
1156104	Soil	4.0	34.7	14.4	120	0.4	26.4	7.2	801	2.56	11.6	1.1	5.5	2.2	16	0.6	1.7	0.2	74	0.05	0.084
1156105	Soil	4.3	37.6	14.2	128	0.4	29.0	8.1	910	2.59	11.7	1.4	7.0	2.4	17	0.6	1.8	0.2	71	0.05	0.087
1156115	Soil	5.3	42.3	13.0	146	0.2	27.7	10.8	622	2.63	11.9	1.8	4.4	2.7	27	0.5	2.6	0.2	81	0.14	0.136
1156114	Soil	5.0	66.1	12.9	178	0.7	37.4	13.3	850	2.24	11.2	2.2	6.8	3.0	29	0.9	2.7	0.2	63	0.13	0.112
1156113	Soil	2.1	61.3	14.1	111	2.2	66.0	6.4	286	1.78	6.3	2.2	9.6	1.3	47	0.6	0.8	0.2	49	0.14	0.088
1156112	Soil	3.2	79.5	10.1	95	0.9	27.6	7.9	528	1.62	6.3	1.2	10.3	0.6	25	0.6	1.1	0.2	38	0.08	0.066
1156110	Soil	3.8	24.3	11.7	88	0.2	13.4	3.7	165	1.59	8.9	0.4	1.1	0.3	13	0.1	1.4	0.2	50	0.01	0.052
1156111	Soil	4.9	36.8	17.9	116	0.6	21.4	5.4	232	3.16	14.8	0.7	4.4	1.5	27	0.3	2.0	0.3	73	0.07	0.164
1156108	Soil	4.2	32.8	13.4	112	0.2	17.6	4.7	195	2.51	13.2	0.6	2.0	1.4	22	0.1	2.0	0.3	69	0.02	0.091
1156106	Soil	4.7	29.7	13.0	107	0.2	18.5	6.8	465	2.23	11.6	0.9	3.1	0.5	16	0.3	2.1	0.2	70	0.04	0.074
1156335	Soil	1.0	39.9	6.4	26	0.5	12.1	2.7	371	0.72	2.1	1.1	1.1	0.2	23	0.4	0.3	0.1	20	0.28	0.054
1156338	Soil	1.2	17.5	13.0	53	<0.1	8.0	6.3	455	3.07	6.3	0.6	1.5	0.7	7	0.3	0.5	0.3	42	0.03	0.098
1156339	Soil	1.5	20.8	11.7	54	0.3	15.3	6.3	353	2.06	6.6	0.6	0.6	0.2	10	0.4	0.8	0.3	38	0.05	0.072
1156337	Soil	0.3	18.5	5.2	15	0.5	8.5	1.1	39	0.44	<0.5	0.5	1.6	<0.1	10	0.6	0.1	0.1	14	0.06	0.049
1156336	Soil	2.1	30.5	18.7	88	0.1	23.0	13.4	1116	2.71	8.9	0.9	1.9	0.6	15	0.6	1.2	0.3	36	0.08	0.083
1156334	Soil	2.7	39.5	20.8	93	0.1	23.1	12.5	858	2.88	10.8	0.9	1.6	3.2	15	0.3	1.8	0.4	33	0.03	0.075
1156332	Soil	0.4	19.2	4.5	19	0.2	3.5	1.8	158	0.57	1.3	0.2	0.5	0.1	12	0.3	0.2	0.1	17	0.10	0.041
1156331	Soil	3.1	46.6	19.8	103	0.3	20.6	12.2	957	3.66	14.5	0.7	2.8	0.9	15	0.6	2.5	0.4	51	0.04	0.098
1156333	Soil	2.5	32.2	20.1	82	0.2	17.3	10.7	696	3.04	9.7	0.5	0.6	1.0	13	0.3	1.4	0.4	44	0.03	0.119
1156308	Soil	33.1	194.2	29.1	206	0.6	77.4	18.4	1159	5.22	21.1	0.5	6.0	1.2	39	0.3	6.7	0.4	69	0.02	0.078
1156307	Soil	2.1	102.2	18.5	168	0.5	37.1	8.2	358	3.91	26.3	1.1	10.6	2.3	19	0.6	6.8	0.4	56	0.08	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	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
1156117	Soil	5	15	0.33	577	0.002	1	0.85	0.011	0.08	<0.1	0.14	4.2	0.4	0.09	2	1.7	<0.2
1156101	Soil	10	22	0.20	232	0.010	3	1.36	0.004	0.10	0.1	0.03	2.3	0.2	<0.05	5	1.1	<0.2
1156103	Soil	10	20	0.23	451	0.004	3	1.21	0.007	0.12	<0.1	0.12	2.3	0.2	<0.05	4	1.4	<0.2
1156102	Soil	9	20	0.22	269	0.003	3	1.21	0.003	0.10	<0.1	0.15	2.5	0.3	<0.05	3	2.0	<0.2
1157499	Soil	6	19	0.20	254	0.004	<1	1.47	0.005	0.09	<0.1	0.02	2.1	0.3	<0.05	4	1.3	<0.2
1157500	Soil	11	21	0.24	466	0.006	2	1.28	0.004	0.10	<0.1	0.15	3.3	0.2	<0.05	3	1.8	<0.2
1156118	Soil	9	19	0.26	390	0.004	<1	1.28	0.005	0.09	<0.1	0.12	2.4	0.4	<0.05	4	1.5	<0.2
1156107	Soil	9	14	0.19	635	0.003	2	0.74	0.003	0.09	<0.1	0.13	2.4	0.1	<0.05	2	1.1	<0.2
1156109	Soil	7	13	0.06	344	0.009	3	0.59	0.007	0.08	0.1	0.06	0.6	0.2	<0.05	4	1.5	<0.2
1156104	Soil	10	22	0.23	251	0.006	2	1.31	0.003	0.12	<0.1	0.08	2.1	0.3	<0.05	4	1.3	<0.2
1156105	Soil	9	22	0.22	256	0.005	3	1.28	0.003	0.12	<0.1	0.10	2.1	0.2	<0.05	4	1.3	<0.2
1156115	Soil	11	20	0.28	290	0.006	3	1.10	0.004	0.13	<0.1	0.06	2.0	0.2	<0.05	4	1.5	<0.2
1156114	Soil	13	17	0.25	333	0.006	3	0.97	0.004	0.10	<0.1	0.19	2.7	0.2	<0.05	3	1.5	<0.2
1156113	Soil	9	18	0.18	752	0.002	3	1.02	0.007	0.13	<0.1	0.44	3.2	0.2	<0.05	3	3.6	<0.2
1156112	Soil	7	14	0.15	507	0.004	2	0.81	0.012	0.12	<0.1	0.26	1.8	0.2	<0.05	3	1.3	<0.2
1156110	Soil	8	11	0.08	133	0.007	4	0.51	0.004	0.08	<0.1	0.02	0.9	0.2	<0.05	3	0.9	<0.2
1156111	Soil	8	21	0.20	278	0.008	3	0.98	0.004	0.13	0.1	0.05	1.8	0.2	<0.05	5	1.6	<0.2
1156108	Soil	8	17	0.11	200	0.006	2	0.85	0.005	0.09	<0.1	0.03	1.5	0.2	<0.05	5	1.2	<0.2
1156106	Soil	10	15	0.15	279	0.007	2	0.84	0.004	0.09	<0.1	0.04	1.2	0.2	<0.05	4	1.2	<0.2
1156335	Soil	8	9	0.12	242	0.008	<1	0.82	0.022	0.03	<0.1	0.04	0.8	<0.1	<0.05	3	0.6	<0.2
1156338	Soil	11	23	0.12	111	0.024	2	1.57	0.006	0.06	<0.1	0.02	1.0	<0.1	<0.05	5	<0.5	<0.2
1156339	Soil	12	17	0.20	155	0.007	<1	0.93	0.010	0.07	<0.1	0.02	0.7	<0.1	<0.05	5	<0.5	<0.2
1156337	Soil	5	4	0.04	181	0.003	1	0.46	0.019	0.03	<0.1	0.03	0.2	<0.1	<0.05	2	<0.5	<0.2
1156336	Soil	16	22	0.32	229	0.007	2	0.98	0.012	0.12	<0.1	0.02	1.2	0.1	<0.05	4	0.7	<0.2
1156334	Soil	20	17	0.26	151	0.005	3	1.14	0.009	0.13	<0.1	0.02	2.1	0.1	<0.05	4	0.6	<0.2
1156332	Soil	6	5	0.05	191	0.011	<1	0.54	0.024	0.04	<0.1	0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
1156331	Soil	19	20	0.18	330	0.008	1	1.17	0.004	0.12	<0.1	0.03	1.6	0.1	<0.05	5	0.8	<0.2
1156333	Soil	19	18	0.22	118	0.007	2	1.11	0.008	0.11	<0.1	0.02	1.1	0.1	<0.05	5	0.7	<0.2
1156308	Soil	9	27	0.11	136	0.009	2	0.77	0.004	0.08	0.1	0.09	4.3	0.2	<0.05	3	2.8	0.4
1156307	Soil	14	26	0.26	166	0.022	<1	0.96	0.005	0.05	0.2	0.12	3.3	0.2	<0.05	3	2.1	<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		
					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
1156316	Soil																							
1156317	Soil																							
1156318	Soil																							
1156315	Soil																							
1156314	Soil																							
1156313	Soil																							
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1156327	Soil																							
1156330	Soil																							
1145023	Soil																							
1145019	Soil																							
1145017	Soil																							
1145015	Soil																							
1145022	Soil																							
1145013	Soil																							
1145016	Soil																							
1145020	Soil																							



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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
1156316	Soil	8	25	0.28	175	0.014	2	1.17	0.004	0.09	0.2	0.06	1.4	0.1	0.06	4	1.1	<0.2
1156317	Soil	10	25	0.36	159	0.015	1	1.28	0.004	0.09	0.2	0.06	1.4	0.2	<0.05	5	0.8	<0.2
1156318	Soil	9	20	0.34	153	0.012	2	1.18	0.004	0.08	0.4	0.06	1.4	0.2	<0.05	4	1.0	<0.2
1156315	Soil	8	17	0.25	132	0.015	<1	0.93	0.003	0.06	0.2	0.04	1.8	0.2	<0.05	3	1.3	<0.2
1156314	Soil	10	19	0.24	122	0.011	1	1.08	0.005	0.07	0.3	0.06	1.2	0.2	<0.05	4	1.3	<0.2
1156313	Soil	12	19	0.23	219	0.018	2	0.92	0.004	0.07	0.2	0.07	2.5	0.2	<0.05	3	1.1	<0.2
1156312	Soil	11	19	0.20	137	0.016	1	0.97	0.003	0.06	0.3	0.07	2.0	0.2	<0.05	3	1.2	<0.2
1156311	Soil	9	22	0.14	122	0.010	<1	0.87	0.002	0.05	0.2	0.10	2.3	0.2	<0.05	3	1.9	<0.2
1156310	Soil	12	20	0.31	183	0.022	1	1.11	0.005	0.07	0.2	0.04	2.1	0.2	<0.05	3	1.6	<0.2
1156309	Soil	4	13	0.09	406	0.002	1	0.74	0.002	0.09	<0.1	0.09	2.6	0.3	<0.05	2	2.8	<0.2
1156320	Soil	9	17	0.22	164	0.010	1	1.01	0.003	0.08	0.2	0.06	1.0	0.2	<0.05	3	1.0	<0.2
1156319	Soil	9	17	0.23	153	0.010	1	0.99	0.003	0.07	0.2	0.06	1.2	0.2	<0.05	3	1.0	<0.2
1156322	Soil	9	17	0.20	179	0.009	1	0.91	0.003	0.06	0.1	0.06	0.8	0.2	<0.05	3	2.1	<0.2
1156321	Soil	11	17	0.31	342	0.013	1	0.89	0.005	0.08	0.4	0.21	1.7	0.1	<0.05	3	0.8	<0.2
1156323	Soil	7	15	0.16	439	0.004	3	1.22	0.013	0.09	<0.1	0.73	0.6	0.4	0.10	3	2.3	<0.2
1156326	Soil	17	19	0.18	173	0.007	2	0.96	0.003	0.14	<0.1	0.02	1.7	0.1	<0.05	4	1.3	<0.2
1156328	Soil	17	18	0.15	187	0.006	3	1.10	0.003	0.14	<0.1	0.03	1.3	0.2	<0.05	4	1.0	<0.2
1156329	Soil	17	21	0.23	229	0.007	2	1.05	0.003	0.13	<0.1	0.02	1.8	0.2	<0.05	4	1.1	<0.2
1156324	Soil	12	19	0.32	240	0.013	1	1.29	0.004	0.09	0.8	0.22	1.3	0.2	<0.05	4	1.9	<0.2
1156325	Soil	10	19	0.24	278	0.007	2	1.27	0.004	0.08	0.2	0.03	0.6	0.2	<0.05	5	1.7	<0.2
1156327	Soil	8	11	0.09	111	0.008	2	0.71	0.012	0.08	<0.1	0.03	0.4	0.1	<0.05	3	<0.5	<0.2
1156330	Soil	18	20	0.16	216	0.010	2	0.99	0.003	0.14	<0.1	0.02	1.9	0.2	<0.05	4	1.3	<0.2
1145023	Soil	2	21	0.46	219	0.002	3	1.93	0.005	0.07	<0.1	0.04	2.4	<0.1	<0.05	4	<0.5	<0.2
1145019	Soil	8	22	0.34	189	0.007	3	1.82	0.005	0.08	0.1	0.04	2.1	0.2	<0.05	4	1.0	<0.2
1145017	Soil	2	21	0.52	238	0.001	3	1.45	0.003	0.08	<0.1	0.07	4.2	<0.1	<0.05	3	0.5	<0.2
1145015	Soil	4	12	0.18	122	0.003	1	1.25	0.005	0.06	<0.1	0.02	1.0	<0.1	<0.05	4	<0.5	<0.2
1145022	Soil	3	20	0.49	168	0.003	1	1.68	0.003	0.06	<0.1	0.05	2.8	<0.1	<0.05	3	0.9	<0.2
1145013	Soil	5	13	0.22	222	0.002	1	1.33	0.004	0.07	<0.1	0.01	1.4	<0.1	<0.05	4	<0.5	<0.2
1145016	Soil	2	14	0.41	175	0.001	2	1.38	0.007	0.08	<0.1	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
1145020	Soil	2	18	0.43	174	0.002	2	1.66	0.005	0.07	<0.1	0.02	2.3	<0.1	<0.05	3	0.7	<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
1145014	Soil	1.4	12.8	10.9	76	<0.1	12.8	6.3	305	1.96	4.6	0.3	1.0	1.6	9	0.1	0.4	0.3	31	0.07
1145021	Soil	1.9	15.3	14.8	75	<0.1	15.6	7.5	266	2.89	6.5	0.3	1.1	1.6	7	0.1	0.6	0.3	34	0.05
1145018	Soil	0.9	30.7	21.8	111	<0.1	29.0	14.7	408	3.48	6.8	0.3	0.7	3.9	11	0.1	0.4	0.4	20	0.10
1145024	Soil	1.6	17.3	12.6	79	<0.1	15.8	7.0	268	2.54	5.0	0.3	0.9	1.9	13	0.2	0.4	0.3	29	0.11
1145035	Soil	1.9	32.3	17.1	122	0.3	31.4	14.2	413	3.30	7.2	0.4	1.6	4.5	15	0.1	0.6	0.3	24	0.21
1145033	Soil	2.0	31.6	16.2	120	0.3	30.4	12.6	304	3.21	6.8	0.4	1.7	4.1	16	0.1	0.6	0.4	26	0.18
1145028	Soil	3.5	20.1	14.3	108	<0.1	23.5	9.1	373	2.99	7.1	0.4	<0.5	2.1	15	0.2	0.8	0.3	36	0.18
1145025	Soil	2.5	17.0	14.6	90	<0.1	18.6	8.3	338	2.99	6.8	0.3	<0.5	1.9	8	<0.1	0.7	0.3	37	0.04
1145029	Soil	2.7	23.6	13.8	118	0.1	24.7	12.0	441	2.92	6.7	0.5	<0.5	2.9	16	0.1	0.7	0.3	33	0.15
1145030	Soil	2.1	23.9	10.1	93	0.3	20.9	7.9	295	2.31	5.5	0.5	3.0	1.9	21	0.1	0.7	0.3	28	0.28
1145034	Soil	2.4	35.5	17.8	133	0.3	34.2	15.9	461	3.80	7.3	0.4	1.4	4.8	18	0.1	0.7	0.4	31	0.24
1145031	Soil	2.9	26.4	11.0	97	0.3	22.4	9.0	379	2.45	4.6	0.5	<0.5	1.8	19	0.4	0.7	0.3	38	0.23
1145032	Soil	2.3	40.9	18.3	153	0.4	38.0	15.5	369	3.78	8.0	0.5	1.7	4.9	27	<0.1	0.8	0.4	32	0.29
1145027	Soil	3.3	19.0	14.8	95	<0.1	20.8	8.6	360	2.86	7.1	0.4	<0.5	2.5	11	0.1	0.7	0.3	38	0.08
1145026	Soil	2.4	19.2	14.9	91	<0.1	21.0	8.7	329	3.06	6.4	0.3	<0.5	2.4	9	0.1	0.6	0.3	37	0.06
1145001	Soil	2.9	15.1	12.8	89	0.2	17.3	6.0	245	2.99	9.3	0.5	1.4	3.5	13	0.2	0.8	0.3	62	0.08
1145004	Soil	1.1	33.4	16.8	95	0.3	31.7	13.9	417	3.47	5.6	0.6	2.1	3.7	31	<0.1	0.4	0.4	24	0.34
1145005	Soil	11.6	21.9	20.2	113	<0.1	23.2	11.1	474	3.08	9.9	0.4	<0.5	2.8	26	0.2	0.7	0.3	38	0.29
1145007	Soil	1.3	15.5	11.7	86	0.2	18.2	9.5	406	2.33	3.9	0.4	<0.5	2.1	30	0.2	0.3	0.3	30	0.42
1145011	Soil	2.1	16.2	14.1	92	<0.1	20.9	9.0	556	3.34	7.0	0.3	2.3	2.7	9	<0.1	0.6	0.3	48	0.04
1145012	Soil	2.3	14.3	10.3	87	<0.1	15.7	5.5	221	2.63	6.8	0.4	<0.5	1.7	7	<0.1	0.8	0.2	47	0.03
1145010	Soil	4.5	18.1	12.8	102	<0.1	17.3	5.2	239	2.59	10.4	0.5	0.7	2.2	13	0.3	1.4	0.3	73	0.04
1145009	Soil	3.7	20.7	13.6	138	0.1	24.7	9.2	380	2.84	9.8	0.6	<0.5	2.1	20	0.3	1.2	0.2	58	0.13
1145008	Soil	1.4	19.3	12.8	83	0.2	18.0	10.9	879	2.65	4.9	0.7	<0.5	3.0	41	0.1	0.4	0.3	35	0.61
1145003	Soil	2.0	34.5	19.1	122	<0.1	24.4	13.6	505	3.52	7.7	0.2	<0.5	1.6	15	0.1	0.7	0.6	46	0.13
1145006	Soil	1.4	16.3	16.1	72	<0.1	15.9	13.8	704	2.40	4.2	0.2	<0.5	2.2	21	<0.1	0.4	0.3	26	0.25
1145002	Soil	3.2	13.3	9.2	70	<0.1	15.1	5.1	216	2.22	7.3	0.4	2.0	1.7	14	0.1	0.9	0.2	54	0.07
1159242	Soil	2.0	31.9	76.0	112	0.9	19.8	4.9	174	2.20	9.3	1.0	<0.5	0.4	13	0.5	2.7	0.3	41	0.09
1159241	Soil	2.4	25.7	71.5	104	0.6	19.5	6.2	275	2.62	13.6	0.8	<0.5	1.4	12	0.3	2.6	0.4	59	0.06
1159244	Soil	1.9	34.3	47.2	132	0.3	24.5	7.6	300	2.33	10.2	0.9	<0.5	2.8	14	0.7	3.0	0.2	36	0.11



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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
1145014	Soil	4	14	0.24	312	0.002	1	1.22	0.004	0.07	<0.1	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1145021	Soil	3	16	0.28	137	0.002	2	1.51	0.003	0.06	<0.1	0.03	1.7	0.1	<0.05	4	0.6	<0.2
1145018	Soil	2	20	0.50	210	0.001	2	1.42	0.003	0.07	<0.1	0.06	3.6	<0.1	<0.05	3	0.7	<0.2
1145024	Soil	3	16	0.33	291	0.001	2	1.46	0.004	0.07	<0.1	0.02	2.1	<0.1	<0.05	3	0.5	<0.2
1145035	Soil	4	19	0.50	354	0.007	3	1.39	0.004	0.09	<0.1	0.08	4.9	<0.1	<0.05	3	0.7	<0.2
1145033	Soil	4	20	0.48	380	0.002	3	1.42	0.004	0.09	<0.1	0.08	4.3	<0.1	<0.05	3	0.9	<0.2
1145028	Soil	4	19	0.48	288	0.003	4	1.49	0.005	0.10	<0.1	0.02	2.8	0.1	<0.05	4	0.6	<0.2
1145025	Soil	4	17	0.37	162	0.003	2	1.44	0.005	0.08	<0.1	<0.01	2.4	0.1	<0.05	4	0.9	<0.2
1145029	Soil	5	19	0.49	382	0.003	2	1.54	0.005	0.10	<0.1	0.02	3.4	0.1	<0.05	4	0.8	<0.2
1145030	Soil	5	14	0.37	439	0.003	3	1.25	0.017	0.09	<0.1	0.06	3.5	<0.1	<0.05	3	1.4	<0.2
1145034	Soil	5	22	0.60	396	0.002	5	1.65	0.005	0.12	<0.1	0.06	5.8	<0.1	<0.05	4	1.6	<0.2
1145031	Soil	5	18	0.38	622	0.005	3	1.44	0.012	0.12	<0.1	0.04	3.2	0.1	<0.05	4	1.3	<0.2
1145032	Soil	5	24	0.62	523	0.003	5	1.65	0.006	0.12	<0.1	0.13	6.4	0.1	<0.05	4	0.6	<0.2
1145027	Soil	5	18	0.40	225	0.004	2	1.42	0.004	0.10	<0.1	<0.01	2.6	0.1	<0.05	4	1.3	<0.2
1145026	Soil	4	19	0.46	251	0.003	3	1.69	0.005	0.10	<0.1	<0.01	2.8	0.1	<0.05	4	<0.5	<0.2
1145001	Soil	10	25	0.35	260	0.015	2	1.69	0.006	0.10	0.2	0.01	2.4	0.2	<0.05	5	0.5	<0.2
1145004	Soil	3	20	0.68	1488	0.001	3	1.80	0.007	0.12	<0.1	0.13	7.8	<0.1	<0.05	4	0.7	<0.2
1145005	Soil	4	24	0.51	513	0.004	3	1.30	0.005	0.11	<0.1	0.01	3.3	0.1	<0.05	4	1.2	<0.2
1145007	Soil	5	17	0.43	423	0.005	3	1.23	0.008	0.10	<0.1	<0.01	2.8	<0.1	<0.05	3	<0.5	<0.2
1145011	Soil	5	24	0.49	343	0.003	4	2.22	0.005	0.11	<0.1	0.02	2.8	0.2	<0.05	5	0.6	<0.2
1145012	Soil	5	18	0.30	165	0.005	4	1.59	0.006	0.09	<0.1	<0.01	2.0	0.1	<0.05	5	<0.5	<0.2
1145010	Soil	11	20	0.29	241	0.011	2	1.38	0.004	0.10	0.1	<0.01	2.1	0.2	<0.05	6	1.2	<0.2
1145009	Soil	7	23	0.36	363	0.004	3	1.59	0.005	0.12	<0.1	<0.01	2.3	0.2	<0.05	4	1.2	<0.2
1145008	Soil	6	20	0.49	540	0.005	3	1.39	0.007	0.10	<0.1	0.05	3.7	<0.1	<0.05	4	<0.5	<0.2
1145003	Soil	3	21	0.54	307	0.004	4	1.64	0.006	0.12	<0.1	<0.01	3.6	0.1	<0.05	5	1.0	<0.2
1145006	Soil	3	13	0.35	327	0.005	3	1.09	0.013	0.11	<0.1	<0.01	2.6	<0.1	<0.05	3	0.7	<0.2
1145002	Soil	7	19	0.33	321	0.009	2	1.30	0.004	0.09	0.1	<0.01	1.8	0.1	<0.05	4	0.8	<0.2
1159242	Soil	15	16	0.16	208	0.010	3	1.01	0.006	0.11	0.1	0.06	1.2	0.2	0.10	4	<0.5	<0.2
1159241	Soil	17	23	0.24	140	0.025	2	1.08	0.004	0.12	0.2	0.03	1.7	0.2	<0.05	5	1.1	<0.2
1159244	Soil	20	18	0.29	139	0.020	3	0.98	0.005	0.12	0.2	0.01	1.8	0.1	<0.05	3	0.6	<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 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
1159246	Soil	2.3	42.9	37.6	119	0.4	26.3	8.1	281	2.83	10.6	0.8	1.0	2.3	16	0.6	3.6	0.3	44	0.11	0.070
1159247	Soil	2.0	39.8	27.8	108	0.4	21.1	7.1	250	2.52	10.0	0.8	2.5	1.2	14	0.3	3.5	0.2	40	0.09	0.061
1159248	Soil	2.2	41.5	36.4	109	0.4	25.5	7.8	240	3.35	12.6	0.8	2.2	2.9	12	0.3	3.2	0.3	52	0.07	0.051
1159245	Soil	1.9	33.8	40.5	126	0.4	18.4	6.0	267	2.32	11.9	0.8	1.3	1.1	12	1.1	2.7	0.3	43	0.06	0.058
1159249	Soil	2.7	22.1	25.9	67	0.3	13.1	3.7	129	2.37	15.4	0.6	0.8	1.9	11	0.2	2.5	0.4	75	0.04	0.038
1159243	Soil	2.2	25.1	51.1	96	0.3	19.5	5.8	296	2.62	12.6	0.8	<0.5	1.6	13	0.3	2.2	0.3	48	0.09	0.066
1159250	Soil	2.8	48.7	108.1	152	1.3	25.5	6.2	193	3.14	17.4	0.9	0.9	2.3	16	0.3	5.8	0.3	59	0.08	0.075
1145471	Soil	2.8	38.8	20.0	131	0.3	24.7	4.6	108	2.89	16.6	0.7	<0.5	0.9	21	0.2	3.7	0.3	64	0.04	0.070
1145472	Soil	3.2	40.6	22.9	103	0.3	25.9	7.7	182	3.29	14.3	0.8	2.3	3.0	16	0.4	2.3	0.4	55	0.03	0.050
1145492	Soil	1.6	40.5	21.2	65	0.5	24.1	4.0	176	1.31	13.1	1.7	0.8	1.1	34	1.6	1.4	0.5	38	0.29	0.057
1145490	Soil	14.1	38.7	22.2	129	0.1	35.0	11.2	535	3.86	36.3	1.7	<0.5	3.1	16	0.8	2.4	0.5	37	0.14	0.106
1145491	Soil	15.8	49.1	69.0	163	1.9	42.1	13.9	708	3.23	32.0	2.4	3.3	2.2	26	1.3	2.6	0.6	35	0.21	0.134
1145476	Soil	7.9	60.9	17.3	102	0.3	15.2	2.9	19	1.81	9.9	0.8	1.3	4.4	75	0.2	3.0	0.3	39	0.01	0.047
1145474	Soil	2.8	39.4	21.4	74	0.4	13.1	2.9	74	2.01	28.1	0.8	1.6	0.2	13	0.3	2.3	1.6	49	0.04	0.092
1145475	Soil	2.6	33.6	24.4	71	0.3	13.7	3.7	145	3.07	51.6	0.8	2.6	1.5	11	0.2	2.4	1.5	74	0.03	0.057
1145473	Soil	2.0	22.2	17.9	46	0.3	8.8	1.9	65	1.63	13.4	0.7	2.5	0.2	9	0.1	1.4	0.5	61	0.03	0.069
1145477	Soil	1.6	26.1	10.3	32	0.3	5.4	1.7	61	1.02	7.5	0.6	1.8	<0.1	19	0.2	1.3	0.3	21	0.04	0.060
1145478	Soil	8.1	63.8	18.0	99	0.3	14.3	2.7	24	2.01	11.0	0.9	1.9	5.1	80	0.3	3.3	0.3	44	<0.01	0.051
1145482	Soil	2.4	27.0	17.1	65	0.5	13.0	5.4	274	1.51	26.5	0.8	2.2	0.3	14	0.4	1.7	0.6	35	0.07	0.063
1145479	Soil	2.2	32.1	15.7	41	0.6	7.6	1.9	53	1.37	14.1	1.0	1.7	0.1	14	0.2	1.4	0.5	31	0.03	0.093
1145480	Soil	3.2	24.3	33.9	52	0.2	7.7	4.0	432	2.40	47.7	0.6	1.0	0.7	11	0.1	3.6	1.2	63	0.05	0.070
1145483	Soil	4.3	50.2	29.7	148	0.4	30.4	10.1	521	2.79	55.3	1.4	6.2	3.0	23	0.8	3.2	1.3	62	0.13	0.091
1145481	Soil	3.6	36.7	26.6	106	0.3	20.3	9.3	881	2.61	41.1	1.0	5.3	1.1	22	0.5	2.7	1.0	58	0.08	0.083
1145485	Soil	0.7	11.7	3.8	23	0.3	4.3	1.5	28	0.60	4.6	0.3	0.5	<0.1	11	0.1	0.6	0.1	20	0.03	0.033
1145484	Soil	2.1	20.7	17.5	53	0.3	9.2	4.2	281	1.30	40.1	0.6	1.9	0.4	13	0.2	1.4	0.8	35	0.04	0.041
1145486	Soil	3.7	37.3	26.9	79	0.4	12.5	2.8	72	2.16	34.8	0.6	2.0	1.7	46	0.1	6.5	0.4	43	0.03	0.053
1145487	Soil	3.5	23.9	25.2	64	0.3	14.7	3.9	212	2.87	25.9	0.7	3.4	1.9	26	0.3	2.8	2.9	69	0.07	0.043
1145488	Soil	0.2	7.5	1.9	12	0.8	7.9	1.2	57	0.32	1.0	0.5	1.7	<0.1	23	0.3	0.2	0.1	12	0.20	0.038
1145489	Soil	3.4	26.2	10.2	70	0.8	17.7	3.8	178	1.66	37.3	1.2	4.1	1.5	25	0.6	1.7	1.3	57	0.19	0.048
1156083	Soil	2.7	26.7	12.3	102	1.4	18.3	4.5	131	2.67	12.5	0.6	7.2	2.8	13	0.2	1.9	0.3	64	0.03	0.034



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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
1159246	Soil	24	23	0.27	180	0.023	4	1.00	0.005	0.14	0.2	0.03	1.8	0.2	<0.05	4	0.7	<0.2
1159247	Soil	22	17	0.22	141	0.016	1	0.95	0.004	0.09	<0.1	0.05	1.4	0.2	<0.05	3	1.2	<0.2
1159248	Soil	17	23	0.32	124	0.019	1	1.31	0.004	0.09	0.2	0.07	2.0	0.2	<0.05	5	1.1	<0.2
1159245	Soil	17	17	0.21	159	0.015	2	0.96	0.010	0.12	0.2	0.04	1.5	0.1	<0.05	4	0.8	<0.2
1159249	Soil	18	19	0.15	119	0.035	1	0.90	0.003	0.10	0.2	0.05	1.4	0.2	<0.05	6	1.3	<0.2
1159243	Soil	17	21	0.26	105	0.024	2	0.96	0.008	0.11	0.3	0.03	1.5	0.1	<0.05	4	<0.5	<0.2
1159250	Soil	18	24	0.24	167	0.020	3	1.10	0.005	0.12	0.2	0.06	2.0	0.2	0.07	5	1.4	<0.2
1145471	Soil	14	23	0.18	145	0.012	2	1.05	0.004	0.11	0.1	0.05	1.6	0.2	0.07	5	0.8	<0.2
1145472	Soil	15	21	0.21	192	0.012	3	1.34	0.004	0.13	0.2	0.02	2.2	0.3	<0.05	6	1.3	<0.2
1145492	Soil	17	17	0.22	614	0.019	<1	1.15	0.007	0.10	0.2	0.29	1.7	0.2	<0.05	4	1.1	<0.2
1145490	Soil	27	16	0.34	221	0.012	<1	1.03	0.006	0.09	0.1	0.04	2.4	0.4	<0.05	4	2.1	<0.2
1145491	Soil	22	15	0.27	355	0.006	1	1.24	0.009	0.08	0.1	0.27	2.5	0.4	0.05	4	2.1	<0.2
1145476	Soil	13	7	0.05	365	0.001	1	0.52	0.002	0.16	<0.1	0.13	2.7	0.3	0.16	1	1.6	<0.2
1145474	Soil	13	22	0.08	221	0.008	2	0.66	0.004	0.12	0.2	0.07	0.4	0.1	0.12	4	0.8	<0.2
1145475	Soil	12	21	0.19	134	0.044	2	0.97	0.004	0.11	0.2	0.04	1.3	0.3	0.07	6	1.0	<0.2
1145473	Soil	9	18	0.10	125	0.016	<1	0.65	0.003	0.09	0.1	0.06	0.5	0.2	0.07	4	0.6	<0.2
1145477	Soil	6	8	0.05	208	0.006	<1	0.55	0.013	0.06	<0.1	0.03	0.3	0.2	0.06	2	0.7	<0.2
1145478	Soil	15	9	0.08	454	0.002	2	0.69	0.003	0.20	<0.1	0.11	3.3	0.4	0.13	2	1.6	<0.2
1145482	Soil	7	12	0.14	208	0.014	<1	0.86	0.012	0.07	0.3	0.03	0.6	0.1	<0.05	3	1.0	<0.2
1145479	Soil	7	13	0.11	187	0.007	1	0.98	0.010	0.06	0.1	0.06	0.5	0.2	0.09	4	0.9	<0.2
1145480	Soil	9	15	0.13	122	0.027	<1	0.63	0.010	0.09	0.2	0.02	0.7	0.2	<0.05	5	0.6	<0.2
1145483	Soil	14	24	0.41	394	0.030	3	1.43	0.007	0.15	0.7	0.07	2.6	0.3	<0.05	5	1.1	<0.2
1145481	Soil	15	19	0.23	314	0.022	2	1.07	0.008	0.13	0.4	0.03	1.4	0.3	<0.05	5	0.9	<0.2
1145485	Soil	4	4	0.02	61	0.009	<1	0.30	0.018	0.04	0.1	0.03	0.2	<0.1	<0.05	2	<0.5	<0.2
1145484	Soil	10	10	0.09	192	0.011	1	0.67	0.011	0.06	0.4	0.03	0.6	0.2	<0.05	4	<0.5	<0.2
1145486	Soil	16	12	0.07	213	0.012	2	0.59	0.007	0.10	0.1	0.02	1.5	0.3	0.05	4	1.1	<0.2
1145487	Soil	12	20	0.19	200	0.036	1	1.06	0.007	0.07	0.4	0.04	1.5	0.2	<0.05	7	0.6	<0.2
1145488	Soil	1	3	0.04	45	0.011	<1	0.20	0.023	0.03	<0.1	0.08	0.4	0.1	<0.05	<1	<0.5	<0.2
1145489	Soil	13	21	0.35	380	0.039	2	1.08	0.008	0.12	0.6	0.04	1.9	0.2	<0.05	6	0.6	<0.2
1156083	Soil	10	20	0.12	134	0.017	<1	0.88	0.003	0.07	0.2	0.13	1.6	0.2	<0.05	5	1.4	<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 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
1156082	Soil	2.6	30.8	20.1	77	3.6	16.0	3.7	101	3.60	19.9	1.1	49.0	2.6	72	0.2	3.9	0.4	58	0.04	0.061
1156084	Soil	4.1	50.1	21.4	334	4.6	53.4	11.3	212	7.17	16.0	0.7	8.8	1.5	16	0.2	3.1	0.4	71	0.04	0.070
1156085	Soil	3.9	26.9	10.1	67	1.0	15.1	3.2	111	2.22	13.1	0.9	6.3	0.3	21	0.2	2.3	0.3	75	0.04	0.043
1156086	Soil	2.4	23.5	9.8	78	0.5	14.8	4.2	275	2.43	11.9	0.6	2.6	0.7	14	0.2	1.4	0.3	57	0.06	0.044
1156087	Soil	5.2	85.5	10.8	175	1.0	36.2	6.7	348	2.98	13.4	1.5	10.7	0.3	36	0.8	3.1	0.2	65	0.05	0.076
1156089	Soil	17.7	122.7	20.5	573	2.5	171.3	30.2	2147	5.16	16.4	2.9	11.8	0.9	21	11.0	3.5	0.2	53	0.11	0.099
1156088	Soil	7.3	42.3	35.9	46	2.9	11.5	2.1	45	2.19	23.1	0.7	12.4	1.8	148	0.2	4.1	0.4	66	0.03	0.062
1156091	Soil	6.1	56.7	12.1	171	0.4	21.8	5.5	119	2.91	13.4	1.1	9.7	0.3	22	0.3	3.6	0.3	54	0.02	0.083
1156090	Soil	4.5	150.6	21.2	376	0.2	64.5	24.3	808	5.29	10.4	1.3	5.1	3.3	28	<0.1	2.0	0.6	27	0.02	0.078
1156093	Soil	17.7	95.5	19.7	205	6.9	17.2	3.1	47	3.68	38.9	3.4	21.9	1.1	122	0.1	14.5	0.4	139	0.02	0.101
1156092	Soil	4.0	62.7	15.0	202	0.6	48.9	9.7	312	3.02	13.1	0.9	3.3	0.2	28	0.3	2.8	0.3	40	0.02	0.087
1157139	Soil	1.7	28.0	17.9	90	0.1	14.5	16.1	2614	2.60	4.3	0.8	<0.5	0.8	14	2.0	0.6	0.3	29	0.06	0.165
1157137	Soil	1.8	24.5	19.7	86	0.1	13.2	15.2	2218	3.09	7.9	0.6	0.6	0.4	12	0.8	0.8	0.3	41	0.04	0.129
1156100	Soil	13.4	77.3	33.8	191	0.4	34.1	13.4	463	4.82	31.0	1.3	3.0	0.3	49	1.0	4.1	0.4	52	0.08	0.135
1156098	Soil	2.2	35.6	10.0	122	0.1	32.8	10.0	1324	2.63	12.6	0.9	2.0	0.6	14	0.5	1.4	0.2	52	0.06	0.050
1156097	Soil	2.0	26.3	8.1	67	0.2	16.2	5.4	180	1.88	9.0	1.0	3.2	0.2	25	0.5	1.3	0.2	36	0.07	0.094
1156094	Soil	1.9	238.8	53.5	439	1.1	141.4	62.6	4921	5.92	6.4	1.8	13.7	3.3	30	3.7	2.0	0.6	31	0.03	0.086
1157140	Soil	1.5	27.1	7.7	60	0.1	10.6	5.3	474	1.26	2.1	0.4	<0.5	0.2	8	1.8	0.4	0.2	27	0.04	0.038
1157138	Soil	3.3	37.6	12.3	83	0.3	24.9	17.4	1332	2.44	11.5	1.3	<0.5	0.2	34	0.7	1.3	0.2	32	0.16	0.137
1157136	Soil	6.1	55.4	36.6	113	0.3	32.8	37.7	5258	3.72	14.0	2.1	1.7	0.4	45	0.9	2.1	0.2	42	0.13	0.218
1156099	Soil	1.9	71.6	18.0	151	0.2	30.2	17.6	2376	2.79	9.5	1.5	<0.5	0.3	35	1.8	1.4	0.4	43	0.41	0.308
1156096	Soil	8.5	55.0	21.5	68	0.3	17.1	6.2	219	2.25	22.5	1.7	4.9	0.2	60	0.3	4.9	0.3	41	0.02	0.085
1156095	Soil	14.0	59.4	14.4	328	0.4	67.6	15.4	1377	3.58	11.0	1.8	<0.5	0.2	20	1.4	2.6	0.3	65	0.03	0.100



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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	0.01	0.1	0.05	1	0.5	0.2
1156082	Soil	9	30	0.13	308	0.015	2	0.84	0.003	0.14	0.1	0.62	1.9	0.5	0.17	5	4.7	0.3
1156084	Soil	10	21	0.07	195	0.023	3	0.58	0.003	0.14	0.2	0.27	2.2	0.2	0.16	6	5.7	0.2
1156085	Soil	9	22	0.10	162	0.018	1	0.79	0.005	0.08	0.1	0.12	0.8	0.2	<0.05	5	2.5	<0.2
1156086	Soil	10	17	0.14	122	0.026	2	0.85	0.006	0.07	0.2	0.07	1.1	0.1	<0.05	5	1.1	<0.2
1156087	Soil	9	22	0.10	166	0.009	2	0.89	0.005	0.07	<0.1	0.17	1.0	0.2	<0.05	4	2.2	<0.2
1156089	Soil	7	14	0.08	815	0.005	2	0.86	0.005	0.12	<0.1	0.57	3.0	0.7	<0.05	2	2.0	<0.2
1156088	Soil	11	18	0.04	396	0.012	2	0.43	0.003	0.13	0.1	0.14	1.1	0.4	0.15	5	6.1	0.4
1156091	Soil	6	17	0.03	289	0.005	2	0.52	0.007	0.13	<0.1	0.12	0.4	0.3	0.14	3	1.4	<0.2
1156090	Soil	11	14	0.05	876	0.007	4	0.65	0.002	0.16	<0.1	0.08	3.7	0.2	0.07	3	1.3	0.2
1156093	Soil	11	45	0.02	581	0.003	2	0.39	0.002	0.16	<0.1	0.55	2.3	0.5	0.14	4	13.0	0.6
1156092	Soil	8	13	0.03	194	0.004	2	0.49	0.004	0.11	<0.1	0.09	0.5	0.3	<0.05	3	1.1	<0.2
1157139	Soil	10	13	0.07	381	0.005	2	0.79	0.011	0.10	<0.1	0.04	0.7	0.1	<0.05	3	<0.5	<0.2
1157137	Soil	7	14	0.09	286	0.016	1	0.88	0.012	0.10	<0.1	0.04	0.7	0.1	<0.05	5	<0.5	<0.2
1156100	Soil	11	16	0.07	515	0.005	2	0.77	0.005	0.19	<0.1	0.09	0.7	0.3	0.18	4	0.8	<0.2
1156098	Soil	11	23	0.25	164	0.012	1	1.44	0.004	0.06	0.2	0.06	1.5	0.1	<0.05	4	<0.5	<0.2
1156097	Soil	9	15	0.10	228	0.005	<1	0.84	0.008	0.05	0.1	0.06	0.2	0.1	<0.05	3	1.0	<0.2
1156094	Soil	17	17	0.08	572	0.002	2	0.83	0.003	0.12	<0.1	0.16	6.8	0.3	<0.05	3	2.4	0.3
1157140	Soil	4	6	0.04	264	0.010	1	0.53	0.013	0.07	<0.1	0.02	0.6	<0.1	<0.05	3	<0.5	<0.2
1157138	Soil	11	14	0.17	448	0.004	<1	0.78	0.011	0.12	<0.1	0.03	0.5	0.2	<0.05	2	1.0	<0.2
1157136	Soil	19	19	0.13	861	0.003	1	1.06	0.008	0.13	<0.1	0.10	0.7	0.2	0.20	4	1.1	<0.2
1156099	Soil	14	19	0.20	912	0.003	<1	0.98	0.004	0.12	0.1	0.05	0.6	0.1	0.07	4	0.7	<0.2
1156096	Soil	9	14	0.08	395	0.004	<1	0.69	0.006	0.13	<0.1	0.13	0.4	0.2	0.11	3	0.8	0.3
1156095	Soil	8	15	0.04	381	0.003	<1	0.69	0.004	0.10	0.1	0.08	0.6	0.2	<0.05	3	1.2	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	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																					
1159269	Soil	8.3	39.3	14.4	123	0.5	31.6	10.1	504	3.21	26.8	1.0	3.6	2.3	17	0.7	1.8	0.3	35	0.09	0.083
REP 1159269	QC	8.2	40.2	14.7	121	0.5	31.3	10.2	505	3.23	27.2	1.0	3.2	2.3	17	0.7	1.7	0.3	36	0.09	0.084
1159251	Soil	8.0	30.2	8.3	103	0.3	25.9	7.5	316	1.93	10.2	1.2	3.4	2.6	13	0.6	1.2	0.1	21	0.11	0.078
REP 1159251	QC	7.8	30.1	8.1	102	0.3	26.1	7.3	318	1.96	9.6	1.1	3.0	2.6	12	0.6	1.2	0.1	22	0.11	0.077
1159334	Soil	6.6	41.5	10.5	124	0.6	32.5	6.8	471	1.65	9.6	1.6	3.3	1.6	66	1.4	1.1	0.2	25	0.51	0.135
REP 1159334	QC	6.1	39.9	9.8	120	0.6	31.4	6.6	443	1.57	10.1	1.4	4.3	1.5	62	1.5	1.1	0.2	24	0.48	0.129
1159318	Soil	3.1	61.1	13.7	102	1.0	29.8	8.2	288	2.84	13.3	0.8	4.9	2.6	20	0.3	1.9	0.3	50	0.05	0.036
REP 1159318	QC	3.1	63.2	14.1	102	1.0	30.7	8.4	291	2.83	13.5	0.7	3.9	2.6	20	0.2	1.7	0.3	49	0.05	0.034
1156029	Soil	1.7	36.4	14.5	102	0.4	24.9	8.4	293	2.40	9.5	0.7	6.3	2.7	12	0.4	2.0	0.2	27	0.06	0.055
REP 1156029	QC	1.9	36.0	13.4	101	0.4	23.9	8.2	293	2.39	8.7	0.7	5.1	2.8	11	0.4	2.1	0.3	27	0.06	0.057
1156122	Soil	1.3	22.8	8.0	15	0.5	3.2	1.2	76	1.26	10.7	0.5	18.5	0.5	19	<0.1	0.9	0.2	23	0.07	0.059
REP 1156122	QC	1.4	23.8	8.2	14	0.5	3.3	1.3	78	1.26	11.2	0.5	18.5	0.5	20	<0.1	0.9	0.2	24	0.07	0.061
1152001	Soil	1.6	63.4	21.8	21	0.7	4.7	1.2	39	3.34	13.3	1.0	51.5	1.4	24	<0.1	1.4	0.6	66	0.01	0.070
REP 1152001	QC	1.6	62.0	22.1	21	0.7	4.7	1.2	39	3.31	12.8	1.0	53.6	1.4	24	<0.1	1.4	0.6	67	0.01	0.070
1156145	Soil	2.0	20.0	7.8	108	<0.1	16.5	3.4	101	1.35	4.8	0.4	<0.5	0.2	11	0.1	0.7	0.2	29	0.02	0.034
REP 1156145	QC	1.8	19.7	7.6	106	<0.1	15.8	3.3	99	1.33	5.1	0.4	0.7	0.1	11	0.2	0.6	0.2	28	0.02	0.036
1156138	Soil	3.9	29.1	16.1	99	0.8	17.9	5.2	231	3.12	12.5	0.7	4.0	1.0	14	0.2	1.6	0.3	73	0.04	0.083
REP 1156138	QC	3.8	28.0	15.1	95	0.8	17.4	5.2	225	3.06	12.4	0.7	1.0	1.0	15	0.2	1.6	0.3	69	0.03	0.085
1156307	Soil	2.1	102.2	18.5	168	0.5	37.1	8.2	358	3.91	26.3	1.1	10.6	2.3	19	0.6	6.8	0.4	56	0.08	0.055
REP 1156307	QC	2.1	105.3	18.7	168	0.6	37.2	8.2	363	3.84	27.1	1.1	12.4	2.5	19	0.6	6.7	0.3	55	0.09	0.052
1156314	Soil	2.4	38.4	14.1	98	0.2	24.4	9.7	334	2.50	15.6	0.9	5.4	0.8	10	0.3	2.2	0.4	41	0.06	0.060
REP 1156314	QC	2.4	37.5	14.2	93	0.2	23.2	9.3	315	2.38	15.4	0.9	6.5	0.7	10	0.2	2.1	0.4	39	0.06	0.056
1156330	Soil	3.9	47.6	19.0	121	0.2	25.3	18.9	1946	3.62	14.2	0.8	1.9	2.5	17	0.4	2.9	0.4	43	0.03	0.083
REP 1156330	QC	3.4	46.1	19.0	120	0.2	24.2	18.6	1906	3.57	14.4	0.7	2.3	2.5	17	0.4	2.9	0.4	41	0.03	0.080
1145029	Soil	2.7	23.6	13.8	118	0.1	24.7	12.0	441	2.92	6.7	0.5	<0.5	2.9	16	0.1	0.7	0.3	33	0.15	0.084
REP 1145029	QC	2.8	23.5	13.2	115	0.1	25.2	11.3	427	2.90	6.5	0.5	3.3	3.0	16	0.1	0.6	0.3	33	0.16	0.081
1159241	Soil	2.4	25.7	71.5	104	0.6	19.5	6.2	275	2.62	13.6	0.8	<0.5	1.4	12	0.3	2.6	0.4	59	0.06	0.050
REP 1159241	QC	2.0	25.3	68.6	101	0.5	18.3	6.0	269	2.57	12.3	0.7	<0.5	1.4	11	0.4	2.5	0.4	59	0.06	0.045



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Part 2

QUALITY CONTROL REPORT

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1159269	Soil	6	17	0.23	610	0.003	2	1.01	0.004	0.07	<0.1	0.12	2.1	0.2	<0.05	3	1.4	<0.2
REP 1159269	QC	6	17	0.23	611	0.004	2	1.06	0.004	0.07	<0.1	0.12	2.0	0.3	<0.05	3	1.4	<0.2
1159251	Soil	6	10	0.19	319	0.002	<1	0.65	0.002	0.05	<0.1	0.13	1.9	0.2	<0.05	2	1.2	<0.2
REP 1159251	QC	7	11	0.19	325	0.002	<1	0.63	0.002	0.04	<0.1	0.14	1.9	0.2	<0.05	2	1.2	<0.2
1159334	Soil	6	9	0.13	519	0.006	4	0.58	0.015	0.07	<0.1	0.31	2.3	0.3	<0.05	2	1.1	<0.2
REP 1159334	QC	6	9	0.13	507	0.005	3	0.56	0.013	0.07	<0.1	0.26	2.3	0.2	<0.05	2	1.4	<0.2
1159318	Soil	9	22	0.25	895	0.017	3	1.11	0.005	0.10	0.2	0.06	2.2	0.1	<0.05	4	1.3	<0.2
REP 1159318	QC	9	22	0.24	878	0.017	2	1.08	0.005	0.10	0.2	0.07	2.1	0.1	<0.05	4	1.0	<0.2
1156029	Soil	7	14	0.20	92	0.010	3	0.77	0.003	0.06	0.2	0.11	1.6	0.1	0.05	2	1.0	<0.2
REP 1156029	QC	7	13	0.19	91	0.010	3	0.77	0.003	0.07	0.1	0.09	1.9	0.1	<0.05	2	1.0	<0.2
1156122	Soil	4	9	0.05	874	0.014	2	0.40	0.015	0.08	<0.1	0.13	1.5	0.1	0.14	2	2.3	<0.2
REP 1156122	QC	4	9	0.05	871	0.014	2	0.41	0.018	0.08	<0.1	0.16	1.5	0.2	0.15	2	2.6	<0.2
1152001	Soil	3	31	0.05	338	0.006	3	0.36	0.003	0.17	0.1	0.14	4.1	0.2	0.33	3	1.7	0.3
REP 1152001	QC	3	31	0.05	354	0.006	3	0.38	0.003	0.18	<0.1	0.14	4.1	0.3	0.35	3	2.0	0.3
1156145	Soil	6	5	0.02	116	0.009	<1	0.40	0.008	0.04	<0.1	0.02	0.5	0.1	<0.05	3	0.6	<0.2
REP 1156145	QC	6	5	0.02	109	0.008	<1	0.40	0.007	0.03	0.1	0.02	0.5	0.1	<0.05	3	<0.5	<0.2
1156138	Soil	9	20	0.17	158	0.014	3	1.10	0.007	0.07	0.1	0.04	1.6	0.2	<0.05	6	1.0	<0.2
REP 1156138	QC	9	19	0.17	154	0.013	2	1.13	0.007	0.07	0.1	0.04	1.5	0.2	<0.05	6	0.8	<0.2
1156307	Soil	14	26	0.26	166	0.022	<1	0.96	0.005	0.05	0.2	0.12	3.3	0.2	<0.05	3	2.1	<0.2
REP 1156307	QC	13	26	0.26	157	0.023	1	0.94	0.004	0.05	0.2	0.13	3.1	0.2	<0.05	3	2.0	<0.2
1156314	Soil	10	19	0.24	122	0.011	1	1.08	0.005	0.07	0.3	0.06	1.2	0.2	<0.05	4	1.3	<0.2
REP 1156314	QC	10	18	0.22	124	0.011	2	1.01	0.003	0.07	0.3	0.05	1.2	0.2	<0.05	3	0.9	<0.2
1156330	Soil	18	20	0.16	216	0.010	2	0.99	0.003	0.14	<0.1	0.02	1.9	0.2	<0.05	4	1.3	<0.2
REP 1156330	QC	17	19	0.16	210	0.012	2	0.94	0.003	0.13	<0.1	0.02	1.7	0.1	<0.05	4	1.1	<0.2
1145029	Soil	5	19	0.49	382	0.003	2	1.54	0.005	0.10	<0.1	0.02	3.4	0.1	<0.05	4	0.8	<0.2
REP 1145029	QC	5	18	0.47	374	0.002	2	1.48	0.005	0.09	<0.1	0.04	3.4	0.1	<0.05	3	1.4	<0.2
1159241	Soil	17	23	0.24	140	0.025	2	1.08	0.004	0.12	0.2	0.03	1.7	0.2	<0.05	5	1.1	<0.2
REP 1159241	QC	16	21	0.23	133	0.022	<1	1.02	0.004	0.11	0.2	0.03	1.6	0.2	<0.05	5	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	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
1157137	Soil	1.8	24.5	19.7	86	0.1	13.2	15.2	2218	3.09	7.9	0.6	0.6	0.4	12	0.8	0.8	0.3	41	0.04	0.129
REP 1157137	QC	1.8	24.4	19.9	86	0.2	12.9	15.2	2287	3.10	7.6	0.6	<0.5	0.5	12	0.7	0.8	0.4	39	0.05	0.134
Reference Materials																					
STD DS8	Standard	12.2	113.4	122.8	316	1.7	38.5	7.5	605	2.52	24.6	2.7	113.2	6.3	67	2.2	5.6	6.7	41	0.69	0.080
STD DS8	Standard	14.4	110.0	133.8	323	1.9	39.3	7.8	640	2.66	26.9	3.0	113.6	7.7	78	2.5	6.0	6.9	45	0.80	0.082
STD DS8	Standard	13.1	117.4	131.1	327	1.9	38.6	7.8	641	2.67	26.6	3.0	114.1	7.2	68	2.4	6.1	6.8	46	0.78	0.082
STD DS8	Standard	12.8	107.7	128.2	299	1.8	36.3	7.5	603	2.34	24.6	2.5	114.4	7.3	63	2.6	6.4	6.9	41	0.67	0.076
STD DS8	Standard	11.7	96.8	111.3	285	1.8	34.7	7.0	553	2.21	22.6	2.4	104.3	5.6	58	2.1	5.1	6.2	39	0.61	0.072
STD DS8	Standard	11.5	95.1	114.6	291	1.7	35.4	7.1	565	2.31	23.8	2.3	119.7	5.8	59	2.1	5.0	6.4	39	0.63	0.074
STD DS8	Standard	11.0	97.3	121.9	290	1.8	36.0	7.0	566	2.33	23.6	2.6	103.4	6.1	58	2.2	5.0	6.8	38	0.60	0.077
STD DS8	Standard	11.1	97.8	119.6	295	1.8	36.1	7.0	583	2.34	24.6	2.6	109.6	6.0	61	2.4	5.0	6.5	39	0.63	0.077
STD DS8	Standard	13.1	104.2	121.7	303	1.8	35.8	7.0	583	2.38	24.3	2.7	119.7	7.0	65	2.3	5.1	6.6	41	0.69	0.077
STD DS8	Standard	11.7	106.6	125.2	305	1.8	36.0	7.3	590	2.44	24.4	2.7	121.9	6.5	63	2.4	5.8	6.7	41	0.68	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
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
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

WHI11001009.1

		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
1157137	Soil	7	14	0.09	286	0.016	1	0.88	0.012	0.10	<0.1	0.04	0.7	0.1	<0.05	5	<0.5	<0.2
REP 1157137	QC	7	14	0.09	294	0.015	2	0.88	0.011	0.10	<0.1	0.04	0.7	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	11	114	0.64	266	0.103	3	0.90	0.108	0.44	3.0	0.23	3.0	5.3	0.17	4	5.7	5.0
STD DS8	Standard	17	122	0.70	301	0.129	1	1.01	0.111	0.46	3.3	0.21	3.0	5.8	0.17	5	6.1	5.0
STD DS8	Standard	14	130	0.66	278	0.123	3	0.93	0.086	0.42	3.3	0.22	2.3	5.7	0.16	5	6.2	5.4
STD DS8	Standard	15	112	0.61	280	0.117	3	0.87	0.086	0.42	3.0	0.22	2.1	5.5	0.12	5	4.9	5.0
STD DS8	Standard	12	107	0.56	262	0.095	2	0.78	0.084	0.41	2.8	0.18	1.6	4.8	0.15	4	4.3	4.4
STD DS8	Standard	12	107	0.58	251	0.093	3	0.87	0.088	0.41	2.7	0.23	1.9	5.0	0.15	4	4.5	4.4
STD DS8	Standard	11	106	0.59	259	0.091	2	0.83	0.088	0.41	2.8	0.19	1.8	5.1	0.14	4	4.9	5.0
STD DS8	Standard	12	107	0.58	267	0.090	3	0.85	0.099	0.43	2.8	0.19	1.8	5.0	0.16	4	5.0	4.6
STD DS8	Standard	15	113	0.60	284	0.109	2	0.90	0.087	0.42	3.1	0.21	2.0	5.2	0.16	5	4.9	4.7
STD DS8	Standard	14	116	0.61	265	0.106	2	0.86	0.080	0.42	2.9	0.20	2.3	5.4	0.12	4	4.2	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
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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Ryan Gold Corp.

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Submitted By: Mike Skead

Receiving Lab: Canada-Whitehorse

Received: August 05, 2011

Report Date: August 23, 2011

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CERTIFICATE OF ANALYSIS

WHI11001010.1

CLIENT JOB INFORMATION

Project: PDM
Shipment ID:
P.O. Number
Number of Samples: 279

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	279	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	279	Dry at 60C			VAN
1DX2	279	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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August 23, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11001010.1

	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 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
1156401	Soil		7.0	30.0	7.1	166	0.6	25.3	5.0	202	1.78	8.7	0.5	<0.5	1.1	11	1.3	2.1	0.2	47	0.03
1156402	Soil		8.1	57.1	12.5	149	0.9	45.4	6.8	541	1.83	7.2	4.9	2.6	1.8	28	2.1	1.7	0.2	53	0.26
1157150	Soil		0.1	4.3	0.9	9	0.6	1.4	0.7	21	0.32	<0.5	<0.1	<0.5	<0.1	7	0.2	0.1	<0.1	9	0.03
1157149	Soil		2.7	15.3	8.0	69	<0.1	10.7	3.0	155	1.22	5.2	0.3	<0.5	0.9	13	0.4	0.9	0.1	37	0.04
1157148	Soil		3.0	38.0	9.3	148	0.3	33.5	8.7	352	1.95	8.0	0.4	<0.5	0.2	21	1.0	1.7	0.2	22	0.13
1157145	Soil		6.1	45.9	15.8	164	0.3	30.1	10.1	343	2.91	12.5	0.7	<0.5	0.6	40	0.5	1.8	0.2	41	0.06
1157147	Soil		3.2	40.8	9.1	151	0.3	34.6	8.9	329	2.01	8.4	0.4	2.6	0.2	21	0.9	2.0	0.2	23	0.13
1157146	Soil		2.2	13.0	7.6	71	0.2	14.0	4.4	95	1.38	3.8	0.3	<0.5	0.4	21	1.6	0.8	0.1	25	0.03
1157144	Soil		4.5	45.4	16.7	147	0.3	26.9	14.7	916	3.11	9.8	0.8	4.4	0.8	27	1.4	1.6	0.3	36	0.05
1157143	Soil		3.0	40.2	11.9	88	0.2	23.1	13.6	1310	2.41	5.0	0.5	<0.5	0.4	13	1.1	0.9	0.3	30	0.04
1157142	Soil		2.9	37.5	10.6	97	0.2	18.9	9.6	834	1.75	6.7	0.4	2.7	0.2	21	3.1	1.2	0.3	24	0.09
1157141	Soil		1.7	34.9	8.1	76	0.2	14.8	11.9	617	1.50	4.2	0.5	2.4	0.3	9	2.4	0.7	0.3	22	0.03
1159351	Soil		2.5	34.7	12.0	64	0.3	11.1	3.2	81	2.22	97.0	0.7	3.4	1.5	15	0.3	2.3	1.9	63	0.04
1159358	Soil		2.5	87.8	17.2	99	0.6	16.2	5.2	221	5.15	16.4	0.8	4.9	3.0	19	0.3	2.3	0.6	64	0.05
1159355	Soil		4.4	106.1	12.4	88	1.5	13.9	3.4	107	5.06	22.9	1.1	4.3	2.3	22	0.3	5.0	0.4	65	0.05
1159360	Soil		2.9	79.5	49.1	167	0.6	34.4	10.4	356	4.83	32.0	0.9	4.7	1.9	26	0.4	6.2	0.3	48	0.05
1159353	Soil		2.8	89.6	14.4	127	1.3	30.3	12.9	378	3.63	49.1	2.0	4.1	0.6	14	0.8	2.1	1.1	56	0.07
1159352	Soil		2.3	95.3	14.8	115	1.4	27.7	7.9	198	3.12	40.2	1.5	3.1	0.5	14	0.6	1.9	0.8	43	0.06
1159354	Soil		2.7	64.7	11.3	96	0.7	20.8	5.3	137	3.02	41.5	1.1	6.0	0.3	14	0.6	3.3	1.0	59	0.04
1159356	Soil		3.3	48.2	19.2	61	1.0	8.1	2.3	85	3.01	17.1	0.8	1.9	0.5	20	0.2	2.6	0.3	50	0.04
1159357	Soil		2.7	84.2	14.8	108	1.6	25.8	6.9	209	3.26	23.1	1.6	4.9	0.4	13	0.5	1.9	0.5	62	0.04
1159361	Soil		2.5	126.9	646.4	407	7.6	114.3	38.5	3568	3.48	79.5	1.3	4.5	2.4	10	1.7	12.8	0.3	41	0.04
1159362	Soil		2.5	119.7	595.8	394	7.2	108.4	36.7	3417	3.46	76.6	1.3	6.3	2.3	10	1.7	12.5	0.3	39	0.04
1159359	Soil		3.7	79.3	23.6	147	0.5	25.6	6.6	186	4.30	18.4	0.9	3.9	1.8	25	0.3	3.5	0.4	69	0.04
1159363	Soil		4.0	36.7	22.2	117	0.4	27.7	10.5	757	3.19	27.3	1.1	4.5	1.0	17	0.4	2.5	0.5	58	0.12
1145047	Soil		2.1	21.8	15.6	67	0.2	9.9	4.0	344	1.89	10.2	0.7	1.2	0.2	9	0.3	1.6	0.3	41	0.03
1159366	Soil		3.4	27.0	16.0	85	0.1	16.6	6.0	308	2.45	25.3	1.0	4.0	0.2	16	0.4	1.7	0.7	64	0.07
1145045	Soil		2.6	44.5	147.8	174	1.5	23.3	6.8	372	2.56	13.8	0.9	2.2	0.4	18	1.4	3.6	0.3	40	0.07
1145046	Soil		1.7	33.5	23.3	90	1.0	15.4	4.5	178	1.63	6.5	0.8	4.0	0.7	11	0.7	2.4	0.2	23	0.04
1145049	Soil		2.8	36.0	24.7	101	0.2	18.1	6.4	281	2.95	16.6	1.0	2.6	0.4	13	0.6	2.7	0.5	48	0.04



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Report Date:

August 23, 2011

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Part 2

CERTIFICATE OF ANALYSIS

WHI11001010.1

	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
1156401	Soil	7	8	0.04	222	0.010	1	0.38	0.004	0.07	<0.1	0.02	1.5	0.1	<0.05	3	0.9	<0.2
1156402	Soil	10	14	0.20	1042	0.005	2	0.79	0.005	0.10	0.1	0.28	2.7	0.2	<0.05	3	1.8	<0.2
1157150	Soil	<1	1	0.02	25	0.015	<1	0.14	0.022	0.02	<0.1	<0.01	0.8	<0.1	<0.05	<1	<0.5	<0.2
1157149	Soil	6	10	0.11	231	0.006	<1	0.71	0.008	0.06	<0.1	<0.01	1.4	0.1	<0.05	3	<0.5	<0.2
1157148	Soil	5	6	0.06	364	0.006	<1	0.35	0.010	0.09	<0.1	0.03	1.2	<0.1	<0.05	2	1.4	<0.2
1157145	Soil	8	12	0.09	513	0.005	1	0.60	0.006	0.12	0.2	0.03	1.6	0.2	0.07	3	1.1	<0.2
1157147	Soil	5	7	0.06	402	0.006	<1	0.37	0.011	0.09	<0.1	0.04	1.1	0.1	<0.05	2	1.3	<0.2
1157146	Soil	5	5	0.03	363	0.010	<1	0.35	0.011	0.08	<0.1	<0.01	0.9	0.1	<0.05	2	<0.5	<0.2
1157144	Soil	9	14	0.09	681	0.006	1	0.65	0.004	0.14	0.1	0.02	1.5	0.1	0.10	3	0.9	<0.2
1157143	Soil	6	10	0.06	579	0.006	<1	0.76	0.005	0.11	<0.1	0.03	0.8	<0.1	<0.05	3	0.8	0.3
1157142	Soil	5	5	0.03	520	0.005	1	0.60	0.010	0.08	<0.1	0.02	0.6	0.1	<0.05	2	0.8	<0.2
1157141	Soil	5	6	0.03	266	0.007	2	0.49	0.007	0.07	<0.1	0.03	0.7	<0.1	<0.05	2	<0.5	<0.2
1159351	Soil	13	17	0.12	148	0.048	<1	0.61	0.004	0.13	0.6	0.05	1.1	0.2	0.08	4	1.2	<0.2
1159358	Soil	12	30	0.40	309	0.061	<1	1.44	0.007	0.27	0.2	0.03	2.5	0.4	0.19	5	3.3	<0.2
1159355	Soil	28	37	0.23	308	0.018	<1	1.09	0.010	0.19	<0.1	0.08	1.8	0.3	0.23	4	5.4	<0.2
1159360	Soil	12	20	0.33	188	0.023	<1	1.15	0.008	0.15	<0.1	0.08	1.8	0.2	0.15	3	2.0	<0.2
1159353	Soil	13	32	0.38	195	0.025	<1	1.85	0.007	0.10	0.2	0.10	1.7	0.3	0.06	5	1.7	<0.2
1159352	Soil	13	24	0.32	149	0.024	<1	1.60	0.007	0.08	0.2	0.08	1.2	0.2	0.05	5	1.6	<0.2
1159354	Soil	13	26	0.18	173	0.017	<1	1.16	0.010	0.07	0.3	0.07	1.0	0.2	<0.05	4	2.6	<0.2
1159356	Soil	14	24	0.12	236	0.015	<1	0.68	0.013	0.20	0.1	0.05	0.8	0.3	0.30	4	2.6	<0.2
1159357	Soil	14	26	0.36	223	0.019	1	1.64	0.005	0.09	0.2	0.11	1.3	0.3	0.08	5	1.9	<0.2
1159361	Soil	13	20	0.63	132	0.011	<1	1.43	0.002	0.11	<0.1	0.10	2.5	0.3	<0.05	3	1.4	<0.2
1159362	Soil	13	20	0.61	136	0.011	<1	1.43	0.002	0.10	<0.1	0.10	2.5	0.3	<0.05	3	1.8	<0.2
1159359	Soil	23	25	0.38	277	0.046	<1	1.40	0.008	0.29	0.1	0.04	2.1	0.5	0.13	6	2.1	<0.2
1159363	Soil	13	24	0.32	164	0.016	2	1.13	0.004	0.09	0.3	0.11	1.7	0.2	<0.05	4	2.1	<0.2
1145047	Soil	12	13	0.07	110	0.014	1	0.79	0.006	0.06	0.1	0.03	0.5	0.1	<0.05	4	0.6	<0.2
1159366	Soil	13	22	0.24	301	0.012	<1	1.30	0.005	0.08	0.4	0.05	0.9	0.2	<0.05	6	1.3	<0.2
1145045	Soil	13	20	0.22	346	0.013	1	1.04	0.006	0.10	0.1	0.06	1.3	0.2	0.06	4	0.6	<0.2
1145046	Soil	11	12	0.13	138	0.011	1	0.77	0.010	0.08	<0.1	0.10	1.5	0.2	<0.05	3	0.7	<0.2
1145049	Soil	15	22	0.19	157	0.016	<1	0.99	0.004	0.09	0.2	0.06	0.9	0.2	<0.05	5	1.4	<0.2



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Part 1

CERTIFICATE OF ANALYSIS

WHI11001010.1

	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 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
1145050	Soil		2.7	48.8	21.2	112	0.5	22.2	5.4	168	2.39	12.8	1.3	3.0	0.5	16	0.8	3.0	0.3	40	0.08
1145048	Soil		2.8	34.1	23.5	95	0.2	17.1	6.2	261	2.79	16.0	0.9	2.6	0.3	13	0.5	2.5	0.4	48	0.04
1159364	Soil		2.6	42.1	11.3	117	0.4	28.2	8.9	346	2.11	13.4	1.5	2.4	5.0	26	0.7	1.9	0.2	45	0.25
1159365	Soil		2.5	47.4	24.4	111	0.4	21.5	6.6	226	2.52	16.5	1.1	3.0	3.6	20	0.7	3.7	0.3	43	0.14
1144100	Soil		1.4	20.7	17.7	64	<0.1	15.4	4.1	125	1.82	7.4	0.4	<0.5	0.7	7	<0.1	1.8	0.2	29	0.03
1145036	Soil		1.5	20.4	29.2	78	0.4	14.4	5.0	258	1.88	7.9	0.5	<0.5	0.7	8	0.2	2.7	0.2	26	0.04
1145043	Soil		2.9	33.9	194.6	144	1.7	15.7	3.9	164	2.48	18.0	0.6	2.5	0.9	15	0.4	4.3	0.3	59	0.03
1145042	Soil		2.5	25.5	62.4	127	0.9	17.9	6.3	409	2.53	14.6	0.6	5.2	0.8	10	0.4	2.5	0.4	51	0.03
1145040	Soil		2.3	28.3	20.4	72	0.2	12.6	3.7	104	1.88	12.2	0.5	<0.5	0.5	8	0.3	2.2	0.4	48	0.02
1144099	Soil		2.0	24.5	19.5	86	0.2	18.5	6.1	273	2.30	10.4	0.6	1.4	0.5	9	0.3	1.8	0.3	39	0.04
1144098	Soil		1.9	34.6	16.4	83	0.3	18.8	5.2	159	2.72	9.4	0.6	<0.5	1.9	11	0.3	2.2	0.2	34	0.04
1145038	Soil		1.6	24.4	18.9	73	<0.1	17.0	4.7	148	2.17	8.6	0.6	3.9	1.1	12	0.2	2.2	0.2	31	0.05
1145041	Soil		2.0	25.5	58.0	130	0.7	19.2	6.3	371	2.47	12.2	0.7	5.8	1.4	10	0.4	2.8	0.3	42	0.06
1145044	Soil		2.5	34.9	223.0	187	2.6	21.1	6.0	357	2.90	16.0	0.9	3.5	2.7	16	0.9	4.9	0.3	45	0.08
1145039	Soil		2.1	23.3	15.9	67	<0.1	12.5	3.7	100	1.81	9.2	0.6	1.0	0.9	9	0.1	2.0	0.3	40	0.03
1145037	Soil		1.8	27.5	53.5	101	0.6	20.4	7.2	306	2.22	9.0	0.7	2.7	2.5	11	0.4	2.8	0.2	27	0.07
1145077	Soil		2.2	19.5	26.3	83	<0.1	17.1	5.3	209	1.76	9.2	0.4	2.1	3.1	10	0.2	1.5	0.2	27	0.07
1145078	Soil		1.6	16.7	32.4	80	0.2	14.0	5.6	330	1.69	7.2	0.3	3.2	1.8	10	0.6	0.9	0.2	27	0.05
1145080	Soil		1.5	17.5	27.4	84	<0.1	11.7	6.3	261	1.87	6.7	0.3	1.8	1.7	7	0.3	0.8	0.2	22	0.04
1145061	Soil		2.0	10.3	9.6	57	<0.1	9.6	3.3	136	1.91	7.7	0.5	1.3	1.1	8	0.2	1.0	0.2	59	0.04
1145079	Soil		2.0	18.3	54.4	77	0.2	18.2	7.0	246	2.16	8.6	0.5	2.8	2.6	15	0.1	1.1	0.2	37	0.12
1145064	Soil		2.4	21.2	16.3	118	0.1	27.1	8.9	330	2.67	15.1	0.6	1.3	2.7	22	0.5	1.4	0.2	50	0.17
1145062	Soil		8.7	53.9	32.6	176	0.3	44.6	17.7	1044	4.18	15.5	1.2	2.1	5.4	32	0.2	3.3	0.3	16	0.33
1145063	Soil		1.3	17.9	27.9	101	0.2	22.0	9.4	1032	2.91	12.2	0.6	1.5	2.7	93	0.4	1.9	0.2	32	0.92
1145060	Soil		1.3	19.8	9.1	65	0.1	21.1	6.5	248	2.17	6.0	0.4	2.8	0.6	9	0.7	0.7	0.2	43	0.04
1145065	Soil		1.6	40.6	20.3	59	0.3	26.9	10.3	809	2.27	10.7	0.8	3.0	5.3	40	0.2	1.2	0.4	19	0.46
1145075	Soil		1.5	31.0	14.8	88	0.2	30.4	9.9	325	2.25	8.0	0.9	1.9	3.5	17	0.4	1.0	0.3	35	0.17
1145076	Soil		1.8	20.8	99.3	113	0.1	16.3	6.5	292	2.28	8.5	0.4	1.1	1.8	12	0.2	1.0	0.2	26	0.10
1145074	Soil		0.9	15.0	19.9	38	<0.1	5.5	2.5	112	0.94	4.2	0.4	3.0	0.3	14	0.3	0.4	0.2	21	0.07
1145073	Soil		1.6	15.9	43.9	544	0.5	15.1	9.2	500	1.99	8.8	0.6	1.9	4.5	31	1.5	1.7	0.2	23	0.26



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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
1145050	Soil	14	20	0.25	175	0.014	2	1.08	0.005	0.09	0.2	0.10	1.5	0.2	<0.05	4	1.2	<0.2
1145048	Soil	15	21	0.19	159	0.016	<1	0.98	0.004	0.09	0.2	0.04	1.1	0.2	<0.05	5	1.1	<0.2
1159364	Soil	16	21	0.36	187	0.034	2	1.00	0.005	0.08	0.3	0.08	2.4	0.1	<0.05	3	0.6	<0.2
1159365	Soil	19	18	0.27	228	0.028	2	0.93	0.005	0.12	0.2	0.05	2.1	0.2	<0.05	3	0.8	<0.2
1144100	Soil	7	10	0.08	65	0.010	<1	0.55	0.002	0.05	0.1	0.05	0.9	0.1	<0.05	3	<0.5	<0.2
1145036	Soil	11	11	0.10	72	0.009	<1	0.56	0.003	0.07	0.1	0.06	0.9	<0.1	<0.05	2	<0.5	<0.2
1145043	Soil	15	17	0.09	101	0.027	2	0.66	0.003	0.09	0.2	0.05	1.2	0.2	<0.05	5	0.7	<0.2
1145042	Soil	16	19	0.14	90	0.028	<1	0.80	0.003	0.09	0.2	0.06	1.3	0.1	<0.05	5	0.5	<0.2
1145040	Soil	14	14	0.05	109	0.011	3	0.60	0.002	0.10	0.2	0.05	0.9	0.2	<0.05	4	<0.5	<0.2
1144099	Soil	9	17	0.16	122	0.012	<1	0.84	0.004	0.09	0.1	0.04	1.2	0.1	<0.05	4	0.6	<0.2
1144098	Soil	9	16	0.17	101	0.010	<1	0.99	0.003	0.09	0.1	0.06	1.7	0.2	<0.05	3	0.7	<0.2
1145038	Soil	11	16	0.20	108	0.009	<1	0.87	0.003	0.08	0.1	0.04	1.1	0.2	<0.05	3	<0.5	<0.2
1145041	Soil	15	18	0.20	108	0.017	1	0.93	0.004	0.08	0.2	0.08	1.4	0.1	<0.05	4	<0.5	<0.2
1145044	Soil	15	21	0.23	114	0.023	1	0.94	0.003	0.09	0.2	0.08	1.9	0.1	<0.05	4	1.0	<0.2
1145039	Soil	14	12	0.05	107	0.017	1	0.48	0.003	0.07	0.2	0.01	1.0	0.1	0.06	4	0.6	<0.2
1145037	Soil	13	14	0.18	85	0.012	3	0.77	0.003	0.07	0.1	0.05	1.4	0.1	0.06	3	0.5	<0.2
1145077	Soil	15	12	0.20	239	0.008	2	0.77	0.003	0.08	<0.1	0.03	1.4	0.1	<0.05	3	<0.5	<0.2
1145078	Soil	6	11	0.14	229	0.007	1	0.61	0.009	0.07	<0.1	0.03	1.3	0.1	<0.05	3	<0.5	<0.2
1145080	Soil	6	10	0.13	176	0.006	1	0.63	0.004	0.09	<0.1	0.02	1.2	<0.1	<0.05	3	0.8	<0.2
1145061	Soil	14	14	0.15	94	0.012	1	1.00	0.005	0.06	0.2	<0.01	0.9	0.1	<0.05	5	0.5	<0.2
1145079	Soil	9	17	0.24	387	0.011	<1	0.89	0.003	0.09	<0.1	0.04	1.5	0.1	<0.05	3	<0.5	<0.2
1145064	Soil	14	21	0.31	330	0.009	2	1.13	0.004	0.11	0.1	0.01	1.8	0.2	<0.05	4	0.6	<0.2
1145062	Soil	47	8	0.17	155	0.001	3	0.86	0.003	0.11	<0.1	0.05	5.2	0.1	<0.05	1	1.9	<0.2
1145063	Soil	23	17	0.26	250	0.007	3	1.14	0.006	0.11	0.1	0.02	3.6	0.1	<0.05	3	<0.5	<0.2
1145060	Soil	13	27	0.25	189	0.024	1	0.90	0.010	0.08	0.1	0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1145065	Soil	43	13	0.20	250	0.004	2	0.99	0.007	0.11	<0.1	0.06	3.3	0.1	<0.05	2	<0.5	<0.2
1145075	Soil	19	20	0.32	405	0.006	2	1.21	0.006	0.11	<0.1	0.07	2.3	0.1	<0.05	3	<0.5	<0.2
1145076	Soil	13	14	0.21	237	0.003	<1	0.88	0.004	0.10	<0.1	0.02	1.3	0.1	<0.05	4	<0.5	<0.2
1145074	Soil	11	8	0.08	224	0.008	1	0.72	0.009	0.07	<0.1	0.01	0.6	<0.1	<0.05	3	<0.5	<0.2
1145073	Soil	22	14	0.21	211	0.007	2	0.87	0.005	0.10	<0.1	0.11	1.5	0.1	<0.05	3	0.7	<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
1145072	Soil	0.4	18.9	25.7	132	0.4	8.7	3.3	256	0.65	5.7	0.7	1.0	0.8	42	2.7	1.3	0.1	17	0.40
1145071	Soil	0.6	21.0	17.5	63	0.1	23.1	11.0	394	2.47	5.0	0.6	1.2	5.5	35	0.1	0.9	0.3	22	0.37
1145070	Soil	0.8	15.1	14.6	50	<0.1	21.0	9.2	401	2.45	4.9	0.4	1.6	5.1	10	<0.1	0.4	0.2	23	0.09
1145067	Soil	1.5	33.8	24.1	107	0.4	28.1	10.0	461	2.52	9.3	2.9	1.6	3.9	77	0.4	1.3	0.3	29	0.66
1145066	Soil	1.4	26.9	42.4	112	0.1	27.5	11.9	461	2.60	11.6	1.3	1.8	4.9	34	0.2	1.5	0.3	22	0.33
1145068	Soil	1.2	31.1	27.9	78	<0.1	21.9	11.2	463	2.88	9.2	0.6	1.8	6.1	10	0.2	1.1	0.3	21	0.10
1145069	Soil	0.5	20.6	13.8	44	<0.1	13.4	10.6	301	2.09	7.0	0.5	<0.5	4.0	16	<0.1	0.2	0.3	26	0.09
1145498	Soil	3.7	70.1	40.8	221	0.5	61.5	20.0	1624	4.50	17.6	0.9	1.4	0.7	23	1.6	3.3	0.4	53	0.05
1145499	Soil	3.5	60.5	24.0	269	0.6	60.7	14.5	956	4.02	16.7	0.7	3.4	1.5	23	1.3	2.8	0.3	51	0.05
1145052	Soil	12.8	47.9	37.2	98	2.7	16.4	2.8	76	3.13	17.9	1.5	16.1	0.5	159	0.8	8.8	0.3	70	0.04
1145054	Soil	6.3	53.6	27.0	179	0.5	32.9	5.9	225	3.78	25.5	1.0	6.4	2.1	74	0.6	4.4	0.5	80	0.06
1145051	Soil	13.1	47.3	37.2	96	2.9	17.6	3.0	79	3.01	17.3	1.5	16.2	0.6	159	0.8	9.0	0.3	70	0.04
1145053	Soil	6.0	50.6	20.4	178	0.6	25.8	7.5	1146	2.72	16.3	0.8	0.8	0.3	65	0.7	3.5	0.3	67	0.07
1145500	Soil	5.6	106.7	53.5	293	0.6	71.4	32.7	1266	5.54	19.4	1.4	5.2	1.2	31	1.6	5.1	0.5	72	0.06
1145055	Soil	3.7	52.6	36.6	149	0.1	38.9	22.5	1906	3.58	16.4	1.1	1.4	1.3	21	0.7	1.9	0.4	33	0.04
1145056	Soil	2.5	38.1	18.0	120	0.1	35.8	12.7	791	3.12	12.3	0.8	2.1	0.7	19	0.4	1.4	0.3	43	0.07
1145058	Soil	2.2	36.4	13.8	122	0.2	41.5	12.7	623	3.51	9.9	0.7	1.8	1.0	17	0.6	1.2	0.3	59	0.07
1145057	Soil	0.2	1.6	0.9	7	0.1	1.8	0.9	28	0.34	<0.5	<0.1	0.7	<0.1	8	0.1	<0.1	<0.1	11	0.05
1145059	Soil	1.6	17.1	10.8	85	0.3	15.0	6.6	346	2.20	6.9	0.4	1.4	0.1	13	1.1	0.6	0.2	50	0.07
1152459	Soil	1.7	27.7	8.8	176	<0.1	20.7	12.3	2579	2.08	8.0	0.4	0.5	0.8	13	2.1	1.0	0.3	35	0.06
1152460	Soil	2.6	35.7	15.7	242	<0.1	29.4	19.9	2898	3.04	9.0	0.7	1.2	1.2	16	2.5	1.7	0.5	52	0.05
1152461	Soil	2.8	22.3	9.7	80	<0.1	11.2	6.4	1131	1.68	7.2	0.5	0.5	0.3	14	0.6	1.3	0.3	46	0.04
1152462	Soil	2.6	114.1	15.0	278	0.2	28.2	21.8	1789	2.97	9.5	0.5	<0.5	0.6	14	1.6	1.4	0.4	74	0.05
1152464	Soil	2.7	33.9	10.3	99	<0.1	16.2	7.8	1281	2.58	9.6	0.5	<0.5	1.4	11	0.5	1.3	0.3	57	0.02
1152458	Soil	1.6	24.8	9.2	58	<0.1	12.7	5.8	633	1.59	6.4	0.4	<0.5	0.5	18	0.6	1.5	0.3	31	0.05
1152455	Soil	1.4	21.6	9.3	72	0.1	14.0	7.2	1354	1.76	11.2	0.6	0.6	0.2	14	0.7	1.0	0.2	37	0.09
1152456	Soil	2.1	30.9	16.0	123	0.2	16.9	12.2	3100	2.53	12.2	0.7	0.6	0.8	16	1.0	1.4	0.4	52	0.07
1152457	Soil	0.9	23.6	7.5	73	<0.1	13.9	7.9	2209	1.62	6.3	0.4	1.2	<0.1	9	0.6	0.7	0.3	33	0.05
1152463	Soil	10.7	35.9	21.8	90	0.4	15.3	6.8	226	2.66	19.3	1.0	1.4	1.4	50	0.3	2.4	0.2	57	0.04
1152465	Soil	0.7	10.0	3.6	43	<0.1	5.9	4.1	538	0.98	2.6	0.2	<0.5	0.4	8	0.4	0.5	0.1	25	0.03



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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
1145072	Soil	10	7	0.07	124	0.012	1	0.48	0.024	0.07	<0.1	<0.01	0.9	<0.1	<0.05	2	<0.5	<0.2
1145071	Soil	30	19	0.31	234	0.005	2	1.24	0.010	0.13	<0.1	0.02	2.5	0.1	<0.05	4	<0.5	<0.2
1145070	Soil	24	18	0.28	154	0.005	2	1.23	0.009	0.09	<0.1	0.01	2.1	0.1	<0.05	4	<0.5	<0.2
1145067	Soil	27	20	0.37	235	0.010	4	1.19	0.008	0.13	<0.1	0.07	3.2	0.2	<0.05	3	0.9	<0.2
1145066	Soil	29	17	0.31	195	0.007	4	1.19	0.011	0.11	<0.1	0.03	2.6	0.1	<0.05	3	<0.5	<0.2
1145068	Soil	39	17	0.30	190	0.003	1	1.37	0.005	0.09	<0.1	0.03	2.2	0.1	<0.05	4	<0.5	<0.2
1145069	Soil	24	18	0.26	170	0.011	1	1.01	0.006	0.12	<0.1	<0.01	1.6	<0.1	<0.05	5	<0.5	<0.2
1145498	Soil	18	27	0.26	255	0.013	2	1.33	0.005	0.14	0.1	0.05	1.2	0.3	0.08	5	2.6	<0.2
1145499	Soil	16	22	0.26	213	0.015	2	1.28	0.004	0.12	0.2	0.07	1.8	0.2	<0.05	4	1.9	<0.2
1145052	Soil	22	22	0.06	299	0.007	2	0.51	0.007	0.29	<0.1	0.22	0.8	1.0	0.64	3	13.6	0.5
1145054	Soil	18	25	0.24	408	0.030	2	1.11	0.006	0.18	0.2	0.03	1.9	0.3	0.13	5	5.4	<0.2
1145051	Soil	22	22	0.07	358	0.008	3	0.52	0.007	0.28	0.1	0.23	1.0	1.0	0.64	3	12.8	0.4
1145053	Soil	15	19	0.12	430	0.008	3	0.89	0.009	0.14	<0.1	0.03	0.6	0.3	0.15	4	3.8	<0.2
1145500	Soil	21	39	0.37	492	0.016	3	1.58	0.005	0.19	<0.1	0.07	2.5	0.5	0.16	5	5.0	<0.2
1145055	Soil	29	23	0.29	254	0.010	2	1.37	0.003	0.14	0.1	0.03	1.4	0.2	0.06	4	0.7	<0.2
1145056	Soil	21	31	0.43	221	0.011	2	1.40	0.010	0.12	0.1	0.03	1.2	0.2	<0.05	5	0.7	<0.2
1145058	Soil	20	51	0.61	236	0.027	2	1.63	0.007	0.11	0.1	0.02	2.0	0.1	<0.05	6	<0.5	<0.2
1145057	Soil	<1	3	0.02	27	0.017	<1	0.14	0.023	0.03	<0.1	0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
1145059	Soil	11	21	0.22	205	0.014	1	1.16	0.007	0.07	0.1	0.03	0.8	<0.1	<0.05	5	<0.5	<0.2
1152459	Soil	8	14	0.13	675	0.019	1	0.92	0.008	0.07	0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1152460	Soil	11	16	0.10	441	0.012	1	1.03	0.006	0.11	0.1	0.05	2.0	0.2	<0.05	5	0.6	<0.2
1152461	Soil	9	12	0.10	233	0.013	2	0.76	0.008	0.07	0.1	0.03	0.6	0.1	<0.05	4	<0.5	<0.2
1152462	Soil	10	23	0.19	347	0.016	2	1.26	0.005	0.08	0.1	0.02	1.4	0.2	<0.05	6	<0.5	<0.2
1152464	Soil	9	17	0.15	366	0.010	1	1.19	0.008	0.08	0.1	0.03	1.3	0.1	<0.05	6	0.7	<0.2
1152458	Soil	10	9	0.07	359	0.016	<1	0.55	0.009	0.06	0.1	0.01	0.8	<0.1	<0.05	3	0.6	<0.2
1152455	Soil	9	14	0.19	282	0.011	<1	0.92	0.012	0.08	0.1	0.03	0.5	<0.1	<0.05	3	<0.5	<0.2
1152456	Soil	14	19	0.16	308	0.024	2	1.02	0.005	0.10	0.1	0.04	1.3	0.1	<0.05	5	<0.5	<0.2
1152457	Soil	7	12	0.06	299	0.009	<1	0.71	0.015	0.06	<0.1	0.04	0.3	<0.1	<0.05	3	<0.5	<0.2
1152463	Soil	8	16	0.16	498	0.009	1	0.76	0.011	0.16	<0.1	0.05	1.3	0.2	0.22	4	1.5	<0.2
1152465	Soil	4	5	0.04	215	0.024	<1	0.51	0.019	0.04	<0.1	0.01	0.5	<0.1	<0.05	3	<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 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
1152466	Soil	4.9	38.1	15.0	128	0.2	24.4	9.3	638	2.86	15.5	0.8	0.8	1.6	37	0.4	2.2	0.3	52	0.06	0.063
1159192	Soil	5.9	69.7	26.3	264	0.9	47.5	10.4	316	4.17	17.1	1.4	6.8	0.3	35	0.3	5.0	0.5	51	0.02	0.069
1159191	Soil	10.3	138.3	21.8	443	1.1	175.6	37.1	8639	9.12	23.5	5.4	25.4	2.9	61	6.0	6.0	0.3	46	0.08	0.125
1159194	Soil	3.1	65.3	11.2	138	0.4	32.3	6.1	315	2.67	8.9	0.9	5.9	0.3	11	0.5	2.2	0.2	54	0.03	0.049
1159193	Soil	6.1	54.3	22.1	262	0.9	44.3	9.0	276	3.77	15.6	1.3	6.8	0.7	25	0.3	4.2	0.4	50	0.03	0.056
1159195	Soil	3.3	66.8	13.9	103	2.5	25.7	6.2	219	2.69	12.6	1.3	15.8	2.1	23	0.3	3.6	0.3	61	0.07	0.045
1159196	Soil	4.5	57.3	17.3	116	2.4	25.5	5.9	198	3.50	15.9	1.0	14.2	3.4	18	0.3	4.1	0.4	68	0.05	0.044
1159198	Soil	7.5	46.1	10.5	132	0.3	19.5	2.6	87	5.04	13.9	5.2	13.2	0.8	76	0.2	4.2	0.2	33	0.02	0.134
1159197	Soil	4.6	85.2	18.5	62	1.3	14.5	1.8	68	2.77	9.6	2.7	11.9	2.8	96	0.2	3.0	0.2	37	0.02	0.054
1152452	Soil	4.3	41.2	13.4	116	0.2	25.6	10.2	1454	2.53	12.9	0.8	2.3	0.2	16	0.5	2.1	0.3	45	0.03	0.061
1152451	Soil	4.9	78.4	17.9	194	0.3	45.9	16.1	2023	3.44	11.0	1.8	1.8	0.8	21	0.7	2.3	0.5	53	0.02	0.059
1152453	Soil	3.5	53.5	17.3	129	0.1	22.0	19.7	>10000	2.22	7.8	0.6	1.2	0.2	13	1.9	1.5	0.5	37	0.03	0.095
1152454	Soil	2.0	47.0	15.5	98	<0.1	26.6	14.2	1019	3.06	20.3	0.8	3.0	0.9	18	0.4	1.5	0.3	59	0.07	0.076
1152468	Soil	2.3	25.0	8.0	68	0.2	14.5	6.9	788	1.96	9.7	0.4	0.9	1.3	11	0.4	1.2	0.3	38	0.03	0.045
1152467	Soil	4.1	45.1	14.9	105	0.2	28.9	10.9	517	3.02	17.0	0.8	2.0	2.4	24	0.2	2.2	0.3	46	0.07	0.046
1152470	Soil	1.9	37.9	7.3	77	0.2	20.9	6.7	501	1.75	7.0	0.7	3.9	2.0	22	0.5	1.0	0.2	37	0.09	0.040
1152469	Soil	2.5	34.2	10.4	93	<0.1	20.7	8.9	311	2.59	13.2	0.5	0.6	2.0	10	0.3	1.6	0.3	42	0.02	0.045
1152472	Soil	2.4	41.5	9.3	94	0.2	22.1	8.7	723	2.06	8.4	0.7	3.5	2.1	27	0.3	1.3	0.2	39	0.14	0.063
1152471	Soil	2.3	42.7	9.3	93	0.2	22.4	8.4	705	2.08	8.4	0.7	4.5	2.0	26	0.3	1.3	0.2	40	0.13	0.062
1152473	Soil	7.9	78.5	14.8	200	0.5	55.4	14.3	1226	2.92	14.1	2.3	6.9	1.9	44	1.4	3.2	0.2	57	0.21	0.071
1152474	Soil	7.8	76.2	15.2	199	0.6	56.1	14.6	1251	2.91	14.5	2.4	6.5	1.7	48	2.0	3.2	0.2	53	0.25	0.077
1145496	Soil	2.1	31.6	51.0	94	0.3	14.2	3.7	182	2.41	46.5	0.8	4.5	1.0	38	0.5	3.8	2.7	52	0.08	0.066
1145457	Soil	1.8	28.3	10.2	85	0.2	23.1	7.0	236	2.45	25.0	1.1	3.5	2.7	15	0.5	1.6	0.5	56	0.09	0.047
1145456	Soil	2.1	26.9	9.7	65	0.3	18.3	5.1	161	2.16	14.9	1.0	2.7	1.2	11	0.3	1.2	0.3	58	0.07	0.040
1145458	Soil	2.0	32.3	11.9	71	0.2	19.5	5.2	205	2.89	31.1	1.1	8.3	2.8	19	0.3	2.0	0.9	61	0.08	0.057
1145459	Soil	1.8	31.2	12.2	71	0.2	20.7	5.4	214	2.90	30.3	1.0	2.4	3.0	19	0.3	2.0	0.9	63	0.07	0.059
1145460	Soil	2.1	29.0	13.5	42	0.2	10.6	1.8	96	2.24	35.7	0.9	1.6	1.0	17	0.2	1.5	1.6	55	0.03	0.071
1145461	Soil	2.1	26.9	10.9	54	0.2	13.5	3.6	126	2.29	40.7	0.9	2.2	1.2	11	0.2	1.6	1.2	61	0.04	0.048
1145497	Soil	0.8	24.5	30.4	42	1.3	8.6	3.7	95	0.79	9.0	1.2	4.9	0.2	12	0.4	0.8	0.8	13	0.04	0.096
1145470	Soil	2.7	48.4	89.3	130	0.6	20.7	7.1	304	3.62	78.7	1.2	6.5	0.7	30	0.5	5.3	3.6	53	0.06	0.075



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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
1152466	Soil	12	19	0.23	501	0.014	2	0.99	0.008	0.15	0.2	0.02	1.8	0.2	0.07	4	0.8	<0.2
1159192	Soil	10	21	0.08	212	0.008	1	0.62	0.003	0.12	<0.1	0.10	0.9	0.2	0.10	3	3.0	0.3
1159191	Soil	23	14	0.09	1303	0.002	3	0.70	0.003	0.14	<0.1	0.97	7.4	0.6	0.09	2	2.5	<0.2
1159194	Soil	8	20	0.12	118	0.011	<1	0.84	0.009	0.05	0.1	0.11	1.1	0.2	<0.05	4	1.1	<0.2
1159193	Soil	10	19	0.12	204	0.011	1	0.80	0.005	0.10	0.1	0.14	1.2	0.3	0.10	4	2.5	<0.2
1159195	Soil	14	26	0.26	156	0.021	1	1.21	0.006	0.08	0.2	0.26	2.0	0.2	<0.05	4	3.3	<0.2
1159196	Soil	12	29	0.25	173	0.021	1	1.30	0.004	0.09	0.2	0.24	2.3	0.3	<0.05	5	3.9	<0.2
1159198	Soil	16	11	0.03	251	0.004	1	0.52	0.003	0.08	<0.1	0.17	1.7	0.3	<0.05	2	1.6	<0.2
1159197	Soil	18	14	0.05	355	0.002	1	0.59	0.003	0.11	<0.1	0.49	3.5	0.4	<0.05	2	2.7	<0.2
1152452	Soil	10	14	0.11	241	0.006	<1	0.65	0.004	0.08	0.1	0.04	0.6	0.1	<0.05	3	0.8	<0.2
1152451	Soil	10	17	0.06	280	0.010	2	0.82	0.005	0.12	<0.1	0.06	1.6	0.2	<0.05	4	1.2	<0.2
1152453	Soil	10	11	0.04	1606	0.004	1	0.77	0.007	0.08	0.1	0.05	0.2	0.2	0.05	3	<0.5	<0.2
1152454	Soil	13	23	0.31	310	0.017	2	1.34	0.005	0.12	0.2	0.03	1.8	0.1	<0.05	5	0.7	<0.2
1152468	Soil	8	11	0.11	345	0.013	2	0.77	0.009	0.10	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1152467	Soil	10	20	0.29	443	0.008	4	1.24	0.007	0.19	<0.1	0.04	2.2	0.2	<0.05	4	0.9	<0.2
1152470	Soil	8	15	0.29	523	0.006	3	0.89	0.009	0.16	<0.1	0.10	1.9	<0.1	<0.05	3	0.8	<0.2
1152469	Soil	8	16	0.20	346	0.005	2	1.12	0.004	0.13	<0.1	0.02	1.9	0.1	<0.05	4	0.6	<0.2
1152472	Soil	10	16	0.28	579	0.006	3	0.95	0.004	0.20	<0.1	0.07	2.0	0.1	<0.05	3	<0.5	<0.2
1152471	Soil	10	17	0.28	572	0.006	6	0.97	0.005	0.20	<0.1	0.06	2.0	0.1	<0.05	3	0.5	<0.2
1152473	Soil	12	20	0.27	772	0.009	5	0.88	0.006	0.17	<0.1	0.16	2.8	0.2	0.05	3	1.5	<0.2
1152474	Soil	11	19	0.26	792	0.007	3	0.83	0.005	0.17	<0.1	0.17	2.9	0.2	0.09	3	1.4	<0.2
1145496	Soil	11	23	0.37	175	0.029	<1	1.08	0.011	0.16	0.2	0.03	1.1	0.2	0.06	5	0.8	<0.2
1145457	Soil	16	25	0.41	167	0.037	2	1.31	0.007	0.11	0.2	0.04	1.8	0.2	<0.05	4	1.0	<0.2
1145456	Soil	15	24	0.31	133	0.027	2	1.41	0.005	0.10	0.2	0.06	1.4	0.2	<0.05	5	0.7	<0.2
1145458	Soil	16	29	0.44	184	0.059	1	1.24	0.008	0.16	0.2	0.03	1.8	0.2	0.08	5	0.8	<0.2
1145459	Soil	16	31	0.44	188	0.057	1	1.27	0.008	0.17	0.2	0.03	2.0	0.2	0.09	5	0.7	<0.2
1145460	Soil	12	25	0.27	179	0.038	4	0.98	0.006	0.20	0.1	0.04	0.9	0.2	0.14	5	0.8	<0.2
1145461	Soil	12	21	0.22	105	0.023	3	0.98	0.004	0.09	0.3	0.06	1.0	0.2	0.07	5	0.6	<0.2
1145497	Soil	5	11	0.10	91	0.005	4	0.90	0.014	0.06	0.1	0.15	0.1	0.1	0.07	2	0.6	<0.2
1145470	Soil	13	31	0.42	146	0.029	3	1.82	0.007	0.14	0.2	0.04	1.1	0.2	0.08	6	1.0	<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 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
1145463	Soil	1.8	47.9	10.5	48	0.2	11.9	3.8	159	2.84	93.5	1.0	3.9	0.2	15	0.2	2.1	2.6	51	0.04	0.103
1145464	Soil	1.6	33.6	7.4	42	0.2	10.1	4.1	234	1.84	69.0	0.7	2.3	0.5	11	0.2	1.1	2.0	41	0.05	0.056
1145465	Soil	1.4	36.9	7.0	33	0.3	7.5	2.4	78	1.62	27.3	1.0	1.7	0.2	21	0.3	2.0	0.7	25	0.05	0.067
1145462	Soil	1.2	100.4	6.4	37	1.8	11.4	4.1	102	2.15	241.2	1.7	5.0	0.2	11	0.7	1.4	3.2	27	0.05	0.116
1145493	Soil	3.2	50.9	28.5	79	0.3	14.0	3.2	158	3.82	36.9	0.7	4.1	1.4	292	0.2	4.8	1.9	57	0.06	0.082
1145469	Soil	2.3	45.3	20.7	104	0.4	20.1	5.4	255	3.37	47.9	0.8	3.0	0.4	34	0.3	3.1	1.1	55	0.05	0.073
1145468	Soil	1.8	38.5	11.2	94	0.3	19.4	5.0	228	2.94	54.2	0.9	1.8	1.1	25	0.3	3.0	1.0	45	0.07	0.073
1145494	Soil	5.5	97.2	32.2	143	0.7	18.1	6.3	297	3.84	33.9	1.0	6.3	3.9	197	0.5	4.5	1.1	116	0.14	0.078
1145466	Soil	2.8	43.0	26.5	69	0.3	11.9	3.0	129	3.71	24.1	0.9	1.9	5.8	44	0.2	4.1	1.1	71	0.03	0.070
1145495	Soil	4.7	44.4	41.1	92	0.5	14.3	5.4	305	2.74	47.2	1.0	4.1	0.3	78	0.9	3.7	2.4	74	0.08	0.078
1145467	Soil	3.3	29.9	11.5	58	0.5	9.9	1.9	152	2.49	49.2	0.7	1.2	1.8	22	0.2	3.1	1.1	126	0.03	0.038
1145454	Soil	2.8	65.5	25.2	78	0.3	18.5	4.9	169	3.60	143.7	1.2	3.0	3.3	17	0.3	3.6	1.0	46	0.07	0.077
1145455	Soil	2.4	36.0	11.9	84	0.2	20.0	5.2	183	3.07	23.1	0.9	2.9	0.8	12	0.3	1.9	0.4	55	0.06	0.058
1145453	Soil	2.5	42.4	21.3	63	0.4	15.1	3.6	141	2.40	18.3	0.9	3.4	2.0	26	0.2	1.9	0.4	53	0.07	0.053
1145452	Soil	3.5	100.0	553.0	86	0.9	18.6	5.5	238	3.07	15.5	1.2	4.0	5.4	47	0.4	4.4	1.0	59	0.05	0.103
1145451	Soil	0.8	31.5	3.7	29	0.3	7.4	2.0	61	1.15	7.2	0.7	1.4	<0.1	9	0.2	0.9	0.2	32	0.05	0.087
1144500	Soil	1.4	41.5	8.2	63	0.2	36.2	3.8	229	2.13	15.6	1.0	2.5	3.4	20	0.2	2.6	0.4	90	0.07	0.047
1159237	Soil	2.0	25.8	11.0	107	0.2	28.5	8.1	279	2.27	13.1	1.0	2.1	1.8	17	0.5	1.6	0.2	52	0.15	0.074
1159240	Soil	2.1	44.2	19.5	73	0.3	18.7	3.8	164	2.97	162.7	1.0	6.0	1.6	15	0.4	2.8	1.7	55	0.05	0.061
1159238	Soil	1.9	29.7	11.1	71	0.2	17.1	4.1	146	2.44	28.1	0.8	7.9	0.7	15	0.4	2.2	0.4	59	0.05	0.063
1159201	Soil	2.1	33.0	27.7	68	0.3	20.8	3.1	203	3.08	24.9	1.0	2.3	0.8	14	0.3	1.7	0.6	78	0.04	0.101
1144499	Soil	2.6	45.8	12.7	79	0.2	21.6	5.4	262	2.89	26.1	1.0	3.2	1.8	20	0.3	4.7	0.5	68	0.07	0.061
1159378	Soil	1.7	51.3	12.7	96	0.2	27.7	9.7	392	2.50	10.2	1.0	6.0	2.6	16	0.3	2.3	0.2	42	0.12	0.060
1159368	Soil	2.3	65.8	12.5	108	0.3	29.3	6.7	338	2.97	18.7	1.0	18.7	2.4	14	0.5	4.9	0.3	53	0.09	0.055
1159373	Soil	5.5	73.6	18.6	115	0.6	29.2	7.0	401	3.66	38.5	1.1	8.5	1.1	120	0.5	10.9	0.3	66	0.07	0.112
1159369	Soil	3.8	60.4	11.8	95	0.3	22.7	4.4	181	2.90	19.6	0.9	6.2	1.0	10	0.2	4.7	0.3	49	0.05	0.050
1159370	Soil	2.8	36.3	20.1	80	0.2	18.9	5.6	211	3.03	15.0	0.8	1.7	0.2	17	0.2	2.7	0.4	59	0.05	0.079
1159375	Soil	2.4	60.8	12.6	109	0.2	30.1	8.6	391	2.45	13.9	1.0	8.3	2.5	23	0.5	3.0	0.2	40	0.13	0.059
1159376	Soil	2.1	34.9	13.2	87	0.3	23.6	6.9	228	2.38	12.0	0.9	6.5	0.9	13	0.4	2.1	0.3	47	0.08	0.063
1159239	Soil	1.7	28.9	11.6	63	0.2	17.9	3.2	229	2.00	31.2	1.2	1.6	0.1	13	0.4	1.6	0.7	55	0.05	0.163



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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
1145463	Soil	14	22	0.19	104	0.018	3	1.11	0.008	0.10	0.5	0.04	0.4	0.2	0.12	5	1.0	<0.2
1145464	Soil	11	14	0.17	85	0.034	3	0.79	0.011	0.09	0.3	0.03	0.6	0.2	0.07	4	0.6	<0.2
1145465	Soil	14	13	0.17	109	0.015	3	0.93	0.013	0.10	<0.1	0.03	0.4	0.2	0.09	3	0.7	<0.2
1145462	Soil	13	15	0.16	111	0.010	2	1.13	0.012	0.07	<0.1	0.07	0.4	0.2	0.13	3	0.9	<0.2
1145493	Soil	16	27	0.50	339	0.021	4	1.47	0.023	0.29	<0.1	0.02	1.4	0.3	0.31	6	0.7	<0.2
1145469	Soil	13	25	0.27	168	0.022	3	1.18	0.007	0.13	0.1	0.04	0.7	0.2	0.10	5	1.1	<0.2
1145468	Soil	13	22	0.26	117	0.021	3	1.07	0.005	0.11	0.2	0.03	0.9	0.2	0.08	3	1.1	<0.2
1145494	Soil	13	47	0.66	622	0.060	3	2.19	0.015	0.45	<0.1	0.02	2.9	0.6	0.27	6	2.8	<0.2
1145466	Soil	26	25	0.34	193	0.055	2	1.27	0.007	0.27	0.2	0.02	1.6	0.4	0.13	6	1.5	<0.2
1145495	Soil	12	28	0.31	355	0.016	2	1.27	0.013	0.19	0.1	0.03	0.4	0.3	0.15	5	1.4	<0.2
1145467	Soil	8	36	0.43	101	0.088	1	0.94	0.006	0.14	0.2	0.04	1.9	0.2	0.08	8	1.5	<0.2
1145454	Soil	17	22	0.30	159	0.037	3	1.04	0.005	0.13	0.1	0.03	1.6	0.2	0.07	3	2.1	<0.2
1145455	Soil	13	24	0.29	95	0.037	2	1.10	0.005	0.08	0.2	0.05	1.0	0.2	0.06	5	0.7	<0.2
1145453	Soil	23	23	0.35	199	0.036	2	1.21	0.006	0.15	0.2	0.03	1.4	0.2	0.11	4	1.2	<0.2
1145452	Soil	55	32	0.45	258	0.040	2	1.58	0.005	0.25	0.1	0.03	1.7	0.5	0.18	5	2.1	<0.2
1145451	Soil	5	12	0.10	154	0.011	3	0.77	0.011	0.05	<0.1	0.04	0.2	0.1	0.10	2	0.7	<0.2
1144500	Soil	10	39	0.68	256	0.083	1	1.63	0.004	0.27	<0.1	0.01	3.4	0.2	<0.05	6	1.1	<0.2
1159237	Soil	13	24	0.45	139	0.032	2	1.31	0.006	0.09	0.2	0.05	1.6	0.1	<0.05	4	0.6	<0.2
1159240	Soil	18	25	0.33	200	0.036	<1	1.27	0.005	0.19	0.1	0.03	1.4	0.3	0.13	4	1.2	<0.2
1159238	Soil	15	24	0.29	165	0.030	2	1.18	0.005	0.15	0.2	0.03	1.1	0.2	0.10	5	0.8	<0.2
1159201	Soil	14	40	0.39	204	0.050	1	1.35	0.005	0.29	0.1	0.06	1.4	0.3	0.14	5	1.1	<0.2
1144499	Soil	17	32	0.48	232	0.051	2	1.42	0.007	0.20	0.2	0.04	1.8	0.2	0.09	5	1.8	<0.2
1159378	Soil	19	22	0.39	275	0.029	2	1.21	0.005	0.08	0.1	0.04	2.4	0.1	<0.05	4	0.9	<0.2
1159368	Soil	14	24	0.28	197	0.032	1	0.92	0.005	0.05	0.2	0.07	2.5	0.2	<0.05	3	1.6	<0.2
1159373	Soil	16	27	0.22	263	0.016	2	1.12	0.004	0.08	0.2	0.06	2.1	0.4	0.09	4	2.4	<0.2
1159369	Soil	13	21	0.19	121	0.016	1	0.92	0.004	0.06	0.2	0.07	1.7	0.2	<0.05	3	2.1	<0.2
1159370	Soil	11	23	0.25	164	0.016	2	1.23	0.005	0.08	0.2	0.03	0.6	0.2	0.06	6	1.3	<0.2
1159375	Soil	17	19	0.29	243	0.026	1	0.92	0.006	0.06	0.1	0.03	2.3	0.1	<0.05	3	0.8	<0.2
1159376	Soil	15	23	0.35	150	0.019	2	1.21	0.004	0.07	0.2	0.04	1.3	0.1	<0.05	4	1.0	<0.2
1159239	Soil	8	30	0.24	213	0.005	2	1.12	0.005	0.19	<0.1	0.04	0.1	0.2	0.17	4	1.0	<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
1159374	Soil	5.3	68.1	13.4	105	0.4	24.8	6.6	238	3.23	19.9	1.2	7.7	1.8	24	0.4	6.1	0.2	64	0.12	0.078
1159377	Soil	2.3	33.1	12.6	84	0.3	21.9	6.6	214	2.27	10.9	0.8	4.4	0.7	12	0.3	2.0	0.3	46	0.07	0.062
1159371	Soil	2.6	32.7	12.3	80	0.2	16.0	4.3	257	2.09	13.0	0.5	1.3	0.1	14	0.1	2.9	0.4	47	0.02	0.062
1159372	Soil	3.5	63.8	12.5	112	0.2	26.9	6.2	292	3.00	22.1	1.0	6.6	1.8	17	0.4	4.2	0.3	45	0.06	0.065
1159367	Soil	2.6	35.2	18.7	84	0.2	19.7	6.5	299	3.23	19.6	0.7	28.4	0.5	9	0.2	3.1	0.5	45	0.03	0.053
1159390	Soil	3.2	36.3	30.5	93	0.6	22.4	8.0	285	3.15	17.0	0.6	4.8	3.0	27	0.3	11.8	0.6	36	0.03	0.059
1159380	Soil	1.7	38.2	10.6	83	0.2	22.1	6.9	265	2.07	9.9	0.9	4.5	2.2	12	0.4	2.4	0.3	35	0.08	0.045
1159384	Soil	2.5	39.6	30.7	112	0.3	23.4	7.3	275	2.73	17.0	0.9	4.7	1.8	25	0.2	4.2	0.5	47	0.08	0.117
1159388	Soil	1.7	26.0	11.3	68	<0.1	14.0	5.5	156	1.55	7.3	0.5	1.6	0.5	10	0.1	3.2	0.2	27	0.04	0.040
1159382	Soil	2.0	38.0	9.8	73	0.2	18.6	5.2	212	1.93	9.2	0.9	3.4	1.7	14	0.2	2.6	0.2	31	0.07	0.041
1159387	Soil	2.0	32.2	14.5	96	0.1	23.8	9.0	420	2.03	8.0	0.7	2.9	1.9	11	0.4	4.1	0.2	28	0.05	0.043
1159381	Soil	2.1	41.6	10.9	104	0.2	27.9	7.5	375	2.17	8.7	0.9	2.4	3.7	16	0.6	2.8	0.2	29	0.13	0.058
1159379	Soil	2.1	51.8	12.4	108	0.3	28.3	8.7	365	2.64	11.6	1.0	5.6	2.6	12	0.5	3.2	0.2	40	0.08	0.062
1159386	Soil	4.6	56.3	34.9	181	0.5	34.9	8.5	316	4.29	18.8	0.7	6.9	1.2	27	0.3	9.2	0.3	52	0.03	0.125
1159383	Soil	2.2	45.5	13.2	81	<0.1	18.8	5.7	224	2.18	10.3	0.9	5.2	3.2	9	0.2	3.1	0.2	29	0.04	0.038
1159385	Soil	2.2	27.0	15.8	79	<0.1	13.8	3.6	174	2.05	8.8	0.5	1.4	0.4	7	<0.1	2.7	0.3	27	0.02	0.072
1159389	Soil	2.8	45.2	21.3	155	0.1	33.9	13.5	442	2.82	9.1	0.7	2.8	3.0	11	0.5	5.1	0.2	30	0.04	0.043
1159393	Soil	3.6	33.0	22.7	97	0.4	15.0	5.1	284	2.28	13.9	0.4	2.5	0.6	32	0.4	6.7	0.3	50	0.04	0.093
1159395	Soil	3.3	32.2	25.2	108	0.3	16.8	10.2	443	2.52	18.4	0.6	1.8	0.8	45	0.4	5.6	0.6	54	0.16	0.074
1159392	Soil	2.9	28.9	17.5	104	0.4	20.6	6.0	217	2.52	14.1	0.6	4.4	1.9	20	0.3	7.3	0.2	34	0.03	0.045
1159399	Soil	3.2	42.1	25.6	122	0.4	21.3	6.6	296	2.41	18.7	0.6	3.1	1.0	36	0.5	6.5	0.5	44	0.10	0.060
1159400	Soil	2.2	39.3	56.1	146	0.2	26.9	10.2	682	2.22	15.9	1.0	3.5	3.1	24	0.7	3.8	0.5	33	0.15	0.049
1159398	Soil	3.2	41.2	47.9	138	0.2	27.7	15.7	1046	3.20	24.4	0.7	2.2	2.0	19	0.4	4.9	0.7	48	0.05	0.054
1159397	Soil	3.1	20.1	48.1	54	0.2	8.2	2.7	162	1.24	29.5	0.4	5.0	0.3	27	0.3	5.0	1.4	46	0.04	0.034
1159396	Soil	3.1	30.6	24.4	108	0.3	16.2	9.2	417	2.34	16.8	0.6	1.4	0.6	44	0.4	5.4	0.5	52	0.16	0.071
1159394	Soil	3.9	33.0	23.0	101	0.7	14.5	3.5	127	2.22	14.8	0.5	1.6	0.3	38	0.5	6.6	0.5	57	0.02	0.080
1159391	Soil	3.9	42.5	35.8	154	0.8	26.0	7.5	223	3.76	18.4	0.6	6.5	3.3	24	0.9	7.0	0.6	52	0.03	0.070
1152101	Soil	3.6	42.8	26.2	121	0.4	23.8	7.2	409	1.93	14.1	0.7	1.8	0.7	45	1.2	6.4	0.4	42	0.18	0.058
1159084	Soil	2.3	16.5	5.4	22	0.5	5.7	2.0	68	0.77	3.6	0.6	2.3	0.3	10	0.1	0.5	0.1	16	0.06	0.045
1159082	Soil	5.0	27.3	11.3	31	0.2	8.1	1.9	63	1.11	10.4	0.8	0.8	0.8	12	0.2	0.6	0.2	14	0.06	0.047



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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
1159374	Soil	18	26	0.31	194	0.025	2	1.07	0.005	0.07	0.1	0.05	2.3	0.2	<0.05	3	3.2	<0.2
1159377	Soil	14	22	0.32	142	0.016	2	1.16	0.004	0.06	0.2	0.04	1.2	0.1	<0.05	4	0.9	<0.2
1159371	Soil	7	21	0.13	150	0.010	3	0.66	0.005	0.09	0.2	0.03	0.6	0.2	<0.05	4	1.2	<0.2
1159372	Soil	13	20	0.23	178	0.014	3	0.94	0.004	0.05	0.2	0.05	2.3	0.2	<0.05	3	1.4	<0.2
1159367	Soil	8	22	0.24	96	0.017	4	1.14	0.003	0.06	0.3	0.05	1.1	0.2	<0.05	5	1.4	<0.2
1159390	Soil	14	18	0.23	125	0.010	3	0.95	0.003	0.10	0.1	0.06	1.6	0.5	0.10	3	2.1	<0.2
1159380	Soil	15	19	0.32	197	0.024	2	1.01	0.005	0.05	0.2	0.02	2.4	0.1	<0.05	3	<0.5	<0.2
1159384	Soil	13	22	0.27	303	0.004	4	1.61	0.005	0.10	<0.1	0.05	1.7	0.5	<0.05	5	1.9	<0.2
1159388	Soil	11	9	0.13	79	0.009	4	0.66	0.018	0.04	<0.1	<0.01	0.8	0.1	<0.05	2	0.8	<0.2
1159382	Soil	15	15	0.24	193	0.021	3	0.81	0.006	0.05	<0.1	0.02	1.9	0.1	<0.05	3	0.5	<0.2
1159387	Soil	15	13	0.20	122	0.010	3	0.85	0.005	0.05	<0.1	0.02	1.8	0.2	<0.05	2	0.7	<0.2
1159381	Soil	16	14	0.24	253	0.021	4	0.67	0.006	0.06	<0.1	0.02	2.4	0.1	<0.05	2	0.7	<0.2
1159379	Soil	15	24	0.31	138	0.019	3	0.98	0.004	0.07	0.1	0.03	2.2	0.1	<0.05	3	1.2	<0.2
1159386	Soil	17	19	0.14	159	0.005	4	0.91	0.005	0.09	<0.1	0.02	1.5	0.4	<0.05	3	3.9	<0.2
1159383	Soil	16	14	0.19	135	0.015	4	0.85	0.003	0.05	0.1	0.03	2.0	0.1	<0.05	3	1.0	<0.2
1159385	Soil	18	9	0.08	122	0.003	4	0.68	0.005	0.08	<0.1	0.02	0.6	0.2	<0.05	3	0.8	<0.2
1159389	Soil	20	15	0.25	116	0.009	3	1.05	0.005	0.06	<0.1	0.02	2.0	0.3	<0.05	3	1.6	<0.2
1159393	Soil	14	12	0.08	188	0.006	4	0.71	0.005	0.09	<0.1	0.02	0.8	0.3	<0.05	4	2.2	<0.2
1159395	Soil	15	16	0.18	468	0.011	4	0.78	0.005	0.12	0.1	0.01	1.3	0.2	<0.05	4	2.0	<0.2
1159392	Soil	11	14	0.19	118	0.008	3	0.80	0.005	0.07	0.1	0.03	1.3	0.3	<0.05	3	1.8	<0.2
1159399	Soil	13	14	0.18	241	0.006	5	0.72	0.005	0.10	<0.1	0.02	1.4	0.2	<0.05	3	3.0	<0.2
1159400	Soil	15	17	0.30	266	0.011	3	0.90	0.005	0.09	0.1	0.04	2.0	0.2	<0.05	3	0.8	<0.2
1159398	Soil	15	24	0.38	159	0.017	4	1.20	0.004	0.12	0.1	0.02	1.7	0.2	<0.05	4	1.2	<0.2
1159397	Soil	13	9	0.09	191	0.014	3	0.54	0.006	0.08	<0.1	0.01	0.6	0.2	<0.05	4	0.8	<0.2
1159396	Soil	15	15	0.17	496	0.009	4	0.73	0.005	0.12	<0.1	0.02	1.1	0.3	<0.05	4	2.3	<0.2
1159394	Soil	15	13	0.06	227	0.004	4	0.58	0.003	0.11	<0.1	0.02	0.6	0.3	<0.05	4	2.6	<0.2
1159391	Soil	19	20	0.21	193	0.016	3	1.01	0.003	0.11	0.1	0.05	1.9	0.3	<0.05	4	1.6	<0.2
1152101	Soil	14	13	0.13	366	0.008	4	0.59	0.009	0.10	<0.1	0.02	1.2	0.2	<0.05	3	1.7	<0.2
1159084	Soil	3	7	0.05	251	0.004	3	0.35	0.013	0.04	<0.1	0.14	0.8	0.2	<0.05	1	0.8	<0.2
1159082	Soil	3	8	0.05	269	0.003	3	0.45	0.005	0.04	<0.1	0.11	1.0	0.1	<0.05	2	1.3	<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 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
1159081	Soil	11.0	64.0	11.5	125	1.4	55.7	11.7	940	2.11	9.1	3.7	3.6	2.3	38	1.3	0.9	0.2	23	0.39	0.073
1159067	Soil	2.0	53.1	25.2	124	0.1	38.3	27.3	3271	3.29	8.2	0.5	4.6	1.5	19	0.1	1.7	0.2	33	0.04	0.028
1159080	Soil	21.3	41.2	10.6	146	0.8	49.9	9.0	855	2.49	15.9	2.0	3.7	4.8	11	1.7	2.7	0.2	24	0.16	0.098
1159075	Soil	3.0	116.2	9.0	76	0.5	20.1	3.9	76	11.20	20.3	0.3	7.3	1.1	10	<0.1	2.4	0.3	50	0.01	0.076
1159083	Soil	7.8	38.0	11.6	97	0.2	24.1	7.3	247	2.12	25.1	0.8	2.7	0.9	24	0.2	2.1	0.2	30	0.21	0.044
1159078	Soil	3.4	149.8	18.1	168	0.1	54.1	19.3	436	4.46	12.2	1.0	<0.5	0.4	16	0.2	1.2	0.4	44	0.02	0.069
1159079	Soil	21.7	40.9	10.6	139	0.7	49.7	8.7	873	2.46	15.0	1.9	4.5	4.4	11	1.7	2.6	0.1	23	0.15	0.090
1159062	Soil	2.9	114.1	23.6	112	0.1	50.2	27.6	2876	3.04	11.9	0.8	15.6	2.5	20	0.2	1.9	0.3	38	0.06	0.036
1144122	Soil	2.2	39.4	15.4	89	0.2	30.4	14.5	485	2.86	13.5	0.7	3.4	3.4	10	0.3	1.2	0.3	56	0.07	0.041
1144336	Soil	2.9	89.2	17.1	99	0.2	41.7	23.9	1125	3.08	13.6	1.2	10.6	2.6	12	0.3	1.5	0.3	68	0.06	0.043
1144335	Soil	3.3	104.6	18.6	98	0.2	37.3	17.4	779	3.02	20.8	0.7	3.7	2.5	13	0.3	1.5	0.3	57	0.05	0.035
1144337	Soil	3.1	63.7	15.8	76	0.2	22.7	13.8	1576	3.35	13.9	0.7	3.2	1.9	9	0.2	1.4	0.3	76	0.04	0.048
1144124	Soil	1.8	36.1	13.9	65	0.1	19.4	12.2	628	2.67	11.1	0.6	2.5	1.7	10	0.2	1.2	0.2	42	0.07	0.060
1144123	Soil	2.8	201.9	21.2	156	0.2	75.2	23.5	1848	4.97	14.0	0.9	6.2	2.4	14	0.2	2.0	0.3	51	0.06	0.049
1159061	Soil	2.7	43.4	19.1	86	<0.1	22.9	8.7	521	3.13	12.7	0.7	2.1	0.9	10	0.2	1.3	0.3	76	0.06	0.042
1144334	Soil	3.1	220.5	27.6	147	0.1	52.3	19.5	726	4.20	12.3	1.1	4.8	1.7	21	0.2	1.1	0.4	48	0.04	0.033
1159059	Soil	3.1	205.9	20.0	123	0.1	58.6	25.8	2643	3.53	16.1	1.3	5.8	4.4	27	0.2	1.7	0.4	56	0.09	0.039
1159060	Soil	2.3	53.7	13.7	102	<0.1	33.5	12.4	657	2.73	13.2	0.7	3.3	1.5	15	0.4	1.3	0.3	54	0.11	0.050
1159068	Soil	3.0	115.6	21.8	118	0.2	49.0	36.3	2697	3.64	8.5	0.6	4.9	2.7	15	0.2	1.2	0.3	41	0.04	0.039
1159072	Soil	2.9	140.2	15.9	171	1.7	43.8	8.7	140	4.56	15.1	0.7	9.7	1.1	14	<0.1	1.8	0.3	67	0.01	0.048
1159076	Soil	2.1	127.4	11.0	92	0.9	23.9	2.5	45	4.63	20.4	0.3	7.2	2.0	6	<0.1	3.1	0.4	63	0.01	0.030
1159069	Soil	2.1	42.4	11.9	52	0.3	15.7	6.2	473	1.96	7.0	0.5	1.8	1.5	11	0.2	0.8	0.3	47	0.03	0.032
1159065	Soil	2.1	45.3	12.7	59	0.2	17.8	8.1	1434	2.62	8.4	0.7	3.1	0.3	11	0.2	1.1	0.3	60	0.04	0.064
1159064	Soil	2.8	63.5	18.4	73	<0.1	21.2	14.1	1864	3.36	12.4	0.7	2.4	0.4	12	0.2	1.2	0.4	56	0.03	0.077
1159074	Soil	2.7	58.3	10.9	61	0.5	19.5	3.1	70	1.82	14.6	0.5	3.9	0.2	10	0.2	1.2	0.2	40	0.04	0.046
1159063	Soil	3.8	121.9	22.4	138	0.1	45.0	22.0	2350	2.92	12.9	0.9	5.0	2.8	16	0.4	2.0	0.3	44	0.07	0.042
1159077	Soil	2.6	41.5	6.0	51	0.8	13.1	3.1	54	2.33	14.5	0.4	2.0	1.3	6	<0.1	1.6	0.2	47	0.02	0.025
1159070	Soil	2.7	55.1	10.8	84	0.1	19.5	5.2	252	2.98	17.9	0.4	1.5	1.9	17	0.1	1.7	0.3	55	0.02	0.037
1159066	Soil	1.8	62.2	39.8	113	<0.1	36.8	22.5	2816	2.93	8.0	0.5	5.1	1.4	19	0.3	1.1	0.3	38	0.04	0.034
1159071	Soil	3.7	115.8	13.1	302	1.2	75.7	10.9	93	7.25	15.9	0.6	4.1	1.4	14	<0.1	2.7	0.3	66	<0.01	0.030



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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	0.01	0.1	0.05	1	0.5	0.2
1159081	Soil	4	12	0.27	869	0.002	3	0.82	0.004	0.07	<0.1	0.33	4.4	0.4	<0.05	2	2.7	<0.2
1159067	Soil	5	22	0.28	968	0.020	3	1.06	0.004	0.05	0.1	0.06	2.9	<0.1	<0.05	3	1.1	<0.2
1159080	Soil	9	5	0.04	721	0.001	3	0.26	0.003	0.05	<0.1	0.44	5.1	0.4	<0.05	<1	2.4	<0.2
1159075	Soil	3	10	0.02	374	0.020	3	0.35	0.003	0.04	0.1	0.16	1.3	<0.1	<0.05	4	7.8	0.2
1159083	Soil	3	11	0.16	294	0.004	2	0.50	0.005	0.06	<0.1	0.08	1.7	0.2	<0.05	3	1.2	<0.2
1159078	Soil	3	16	0.04	322	0.005	1	0.92	0.007	0.03	0.1	0.02	2.1	0.1	<0.05	6	0.9	<0.2
1159079	Soil	9	5	0.04	748	<0.001	2	0.24	0.004	0.05	<0.1	0.42	4.8	0.4	<0.05	<1	2.2	<0.2
1159062	Soil	8	23	0.29	366	0.023	2	1.30	0.006	0.04	0.2	0.08	4.0	0.2	<0.05	3	1.1	<0.2
1144122	Soil	11	31	0.33	403	0.025	<1	1.55	0.005	0.06	0.3	0.07	2.5	<0.1	0.06	4	0.9	<0.2
1144336	Soil	12	26	0.23	384	0.029	<1	1.34	0.004	0.05	0.3	0.10	3.0	0.2	<0.05	5	0.7	<0.2
1144335	Soil	9	24	0.25	546	0.022	1	1.19	0.004	0.04	0.2	0.07	2.3	0.2	<0.05	4	1.2	<0.2
1144337	Soil	11	26	0.16	160	0.028	<1	1.21	0.003	0.05	0.3	0.06	2.3	0.1	<0.05	6	0.8	<0.2
1144124	Soil	9	22	0.20	97	0.032	1	1.17	0.018	0.05	0.3	0.05	1.5	<0.1	<0.05	4	1.3	<0.2
1144123	Soil	9	28	0.27	285	0.023	<1	1.56	0.004	0.04	0.1	0.13	5.4	0.2	<0.05	4	1.0	<0.2
1159061	Soil	11	32	0.29	351	0.024	1	1.78	0.004	0.05	0.2	0.04	1.7	0.1	<0.05	7	0.9	<0.2
1144334	Soil	7	21	0.26	1754	0.019	2	1.26	0.004	0.05	<0.1	0.08	4.1	0.2	<0.05	4	1.2	<0.2
1159059	Soil	13	31	0.41	458	0.047	1	1.93	0.006	0.06	0.2	0.08	5.9	0.2	<0.05	5	0.7	<0.2
1159060	Soil	11	27	0.36	372	0.024	1	1.47	0.005	0.05	0.2	0.05	2.1	0.1	<0.05	4	0.6	<0.2
1159068	Soil	5	28	0.23	1113	0.007	3	1.59	0.003	0.07	0.1	0.08	3.3	0.1	<0.05	4	0.9	<0.2
1159072	Soil	3	25	0.03	276	0.004	1	0.67	0.003	0.06	<0.1	0.19	3.4	<0.1	<0.05	4	4.5	<0.2
1159076	Soil	4	23	0.04	205	0.007	2	0.68	0.003	0.06	0.1	0.09	2.2	0.1	<0.05	4	1.5	0.3
1159069	Soil	7	16	0.08	675	0.015	<1	0.79	0.007	0.05	0.2	0.06	1.5	<0.1	<0.05	4	1.0	<0.2
1159065	Soil	9	24	0.18	561	0.017	2	1.23	0.005	0.06	0.2	0.10	1.0	0.1	<0.05	5	1.0	<0.2
1159064	Soil	9	27	0.13	399	0.016	1	1.08	0.005	0.06	0.2	0.05	1.3	0.1	<0.05	6	1.0	<0.2
1159074	Soil	4	12	0.02	194	0.007	2	0.54	0.010	0.04	<0.1	0.08	0.7	<0.1	<0.05	2	1.5	<0.2
1159063	Soil	10	27	0.30	440	0.021	1	1.40	0.005	0.05	0.2	0.11	3.3	0.1	<0.05	3	<0.5	<0.2
1159077	Soil	6	9	0.03	85	0.018	<1	0.47	0.007	0.03	0.2	0.05	1.0	0.1	<0.05	4	0.8	<0.2
1159070	Soil	8	17	0.07	234	0.015	1	0.72	0.004	0.06	0.1	0.02	1.8	0.1	<0.05	5	0.8	<0.2
1159066	Soil	5	26	0.31	1352	0.011	<1	1.46	0.004	0.06	0.1	0.12	3.0	<0.1	<0.05	4	<0.5	<0.2
1159071	Soil	2	33	0.02	168	0.004	2	0.62	0.002	0.05	<0.1	0.34	4.8	<0.1	<0.05	3	7.2	<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
1159073	Soil	3.0	65.4	11.6	104	1.4	27.2	5.4	131	3.22	14.5	0.6	2.3	0.5	11	0.2	2.0	0.3	66	0.02
1159410	Soil	2.4	39.5	16.4	76	0.3	22.0	6.4	164	3.07	12.0	0.8	2.5	5.5	18	0.2	1.6	0.2	49	0.06
1159408	Soil	2.0	28.2	12.9	49	0.1	10.6	2.8	77	2.16	10.1	0.6	2.7	2.0	10	<0.1	1.1	0.4	55	0.02
1159409	Soil	2.6	39.0	14.5	84	0.1	21.8	6.9	181	3.12	13.3	0.7	1.5	3.9	17	0.2	1.6	0.3	58	0.06
1159407	Soil	1.6	37.9	13.7	43	0.1	7.7	2.5	78	2.11	6.7	0.6	1.2	0.4	16	<0.1	0.7	0.3	26	0.03
1159405	Soil	3.7	84.2	28.0	112	0.9	28.8	8.4	172	5.12	14.6	0.9	3.3	5.5	27	0.1	2.4	0.4	43	0.03
1159404	Soil	4.2	39.9	33.1	64	0.6	12.9	2.2	60	3.35	17.5	0.8	3.7	5.9	44	<0.1	3.8	0.4	22	0.02
1159406	Soil	2.1	45.3	14.6	63	0.2	16.3	4.1	92	2.88	9.7	0.6	1.6	2.2	16	0.1	0.8	0.3	37	0.03
1159403	Soil	3.0	32.1	46.4	53	0.4	10.3	2.4	65	2.77	11.5	0.7	2.6	3.9	19	<0.1	1.8	0.5	43	0.02
1159402	Soil	3.3	48.6	17.1	84	0.5	18.3	5.4	143	3.44	17.9	1.2	3.9	3.5	19	0.1	2.3	0.3	52	0.05
1159499	Soil	2.1	58.6	12.5	96	0.1	27.4	8.6	200	3.29	33.4	1.5	5.4	4.7	25	0.3	2.0	0.6	45	0.15
1159401	Soil	1.9	45.7	11.2	47	0.4	9.1	3.1	71	2.16	11.2	1.0	1.1	0.4	16	0.1	1.2	0.4	41	0.06
1159500	Soil	2.1	33.5	16.8	94	<0.1	21.7	9.3	321	3.25	23.0	0.9	1.1	0.8	16	0.4	1.3	0.6	67	0.11
1152395	Soil	3.3	124.1	32.6	122	0.3	22.2	7.5	204	9.44	62.6	1.4	5.7	5.7	32	0.3	2.7	1.1	67	0.06
1152399	Soil	4.1	64.8	29.0	128	0.4	34.0	9.1	252	5.84	32.7	1.5	3.0	1.5	35	0.3	2.7	1.2	90	0.05
1159492	Soil	4.6	134.1	41.3	115	0.6	23.0	6.6	320	10.82	34.8	2.1	4.5	14.7	105	0.2	4.7	0.9	85	0.03
1159491	Soil	3.8	94.8	38.1	90	0.6	16.9	5.8	319	7.61	26.5	1.9	6.7	11.6	50	<0.1	3.4	0.8	67	0.03
1159489	Soil	3.4	51.7	20.8	80	0.3	18.4	4.2	116	4.72	25.0	1.3	2.7	0.6	31	0.1	3.2	0.7	58	0.03
1159488	Soil	2.6	41.6	16.1	52	0.7	9.2	2.5	57	2.69	12.0	1.2	2.6	0.2	27	0.3	1.4	0.7	52	0.05
1159490	Soil	3.8	71.4	28.5	86	0.6	16.6	4.6	206	6.04	28.9	1.5	4.4	4.1	31	0.1	3.2	0.7	82	0.04
1159487	Soil	2.8	62.8	25.0	90	0.3	19.9	6.0	275	5.13	20.4	1.5	5.6	1.3	49	0.2	1.9	0.8	74	0.05
1152400	Soil	2.2	39.9	15.9	99	0.2	27.0	8.1	261	3.54	15.1	1.2	6.1	3.0	20	0.3	1.5	0.4	60	0.08
1152398	Soil	5.9	171.3	73.2	148	1.0	29.8	6.9	365	10.98	38.3	2.4	11.9	6.7	101	0.2	4.1	1.6	78	0.05
1152397	Soil	2.7	48.9	25.5	99	0.3	22.0	6.2	169	4.72	25.6	1.2	3.7	2.0	20	0.4	2.0	0.5	55	0.06
1152396	Soil	3.1	124.6	38.1	105	0.2	25.1	7.7	250	6.73	108.2	2.6	5.2	10.9	71	0.2	3.3	1.3	46	0.19
1159497	Soil	2.1	39.7	19.3	75	0.2	21.4	6.7	182	3.64	68.8	1.0	4.3	5.5	26	0.2	1.9	1.9	59	0.06
1159494	Soil	2.8	40.0	16.3	62	0.1	15.0	5.0	173	3.42	25.0	1.0	4.1	1.0	27	0.1	1.9	0.9	63	0.05
1159498	Soil	3.2	74.4	22.1	99	0.5	28.8	10.2	246	4.28	37.5	1.7	2.8	7.8	26	0.3	2.8	1.1	45	0.05
1159495	Soil	2.7	101.1	17.5	118	0.2	41.0	15.3	295	3.61	44.4	2.1	3.7	7.5	39	0.5	2.4	1.0	58	0.18
1159413	Soil	2.8	46.4	16.1	90	0.1	18.8	5.4	175	3.35	13.0	1.1	0.6	1.3	17	0.2	1.7	0.3	48	0.07



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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
1159073	Soil	7	21	0.02	271	0.011	2	0.55	0.006	0.05	0.1	0.12	1.4	<0.1	<0.05	3	2.3	<0.2
1159410	Soil	16	21	0.27	142	0.015	2	1.47	0.005	0.08	0.2	0.06	1.9	0.2	<0.05	4	1.3	<0.2
1159408	Soil	23	14	0.06	93	0.015	<1	0.77	0.003	0.10	0.1	0.04	1.1	0.2	<0.05	5	0.9	<0.2
1159409	Soil	19	23	0.26	135	0.020	2	1.33	0.005	0.09	0.2	0.02	1.9	0.2	<0.05	5	0.9	<0.2
1159407	Soil	17	13	0.10	97	0.009	<1	1.08	0.015	0.10	<0.1	0.04	0.6	0.2	<0.05	4	0.7	<0.2
1159405	Soil	19	25	0.29	126	0.014	1	1.48	0.004	0.11	0.2	0.06	1.9	0.3	<0.05	4	2.3	<0.2
1159404	Soil	36	12	0.06	196	0.003	2	0.71	0.005	0.18	<0.1	0.04	1.3	0.3	0.19	2	1.6	<0.2
1159406	Soil	23	15	0.15	142	0.011	1	1.08	0.009	0.13	<0.1	0.02	1.3	0.2	<0.05	5	0.6	<0.2
1159403	Soil	31	13	0.07	133	0.011	2	0.64	0.003	0.12	0.2	0.02	1.2	0.2	0.06	4	1.2	<0.2
1159402	Soil	21	22	0.23	121	0.018	1	1.25	0.004	0.09	0.3	0.05	1.7	0.2	<0.05	4	1.0	<0.2
1159499	Soil	23	23	0.38	192	0.049	2	1.28	0.008	0.15	0.3	0.02	2.6	0.2	<0.05	4	0.5	<0.2
1159401	Soil	16	14	0.14	103	0.030	2	0.96	0.014	0.09	0.1	0.05	0.8	0.2	<0.05	4	0.6	<0.2
1159500	Soil	15	28	0.37	117	0.034	<1	1.73	0.007	0.09	0.2	0.05	1.3	0.2	<0.05	7	0.8	<0.2
1152395	Soil	13	37	0.55	244	0.055	1	2.52	0.012	0.30	0.2	0.02	3.1	0.4	0.23	7	4.1	<0.2
1152399	Soil	20	39	0.44	165	0.057	2	1.92	0.009	0.24	0.2	0.07	1.7	0.5	0.17	7	2.3	<0.2
1159492	Soil	49	50	0.54	222	0.080	1	2.13	0.036	0.63	0.1	0.04	3.1	0.6	1.06	6	2.9	<0.2
1159491	Soil	36	38	0.56	238	0.072	<1	1.61	0.012	0.43	0.1	0.03	2.4	0.6	0.46	5	2.5	<0.2
1159489	Soil	22	18	0.09	79	0.019	<1	0.74	0.004	0.07	0.1	0.05	0.4	0.2	0.16	4	1.3	<0.2
1159488	Soil	15	19	0.08	96	0.012	<1	0.64	0.007	0.10	0.1	0.14	0.3	0.2	0.25	2	1.3	<0.2
1159490	Soil	31	36	0.40	170	0.053	1	1.45	0.008	0.26	0.1	0.07	1.7	0.4	0.30	5	2.0	<0.2
1159487	Soil	19	38	0.44	147	0.044	1	1.66	0.007	0.25	0.2	0.07	1.2	0.5	0.21	6	1.5	<0.2
1152400	Soil	24	34	0.53	140	0.056	2	1.54	0.006	0.22	0.4	0.05	1.6	0.5	0.09	4	0.9	<0.2
1152398	Soil	13	47	0.53	335	0.097	<1	2.73	0.046	0.64	0.1	0.09	3.6	1.0	1.07	7	5.3	0.3
1152397	Soil	15	27	0.35	114	0.048	<1	1.43	0.005	0.13	0.3	0.06	1.6	0.2	0.14	5	1.4	<0.2
1152396	Soil	19	28	0.69	184	0.020	<1	2.37	0.011	0.31	0.1	0.03	2.7	0.5	0.15	7	4.1	<0.2
1159497	Soil	14	25	0.40	116	0.087	1	1.65	0.006	0.15	0.6	0.07	2.0	0.3	0.06	7	1.0	<0.2
1159494	Soil	16	22	0.24	111	0.035	2	1.24	0.006	0.10	0.2	0.04	0.9	0.3	0.10	6	1.6	<0.2
1159498	Soil	25	25	0.41	145	0.046	2	1.59	0.007	0.16	0.3	0.06	2.1	0.3	0.07	4	1.2	<0.2
1159495	Soil	21	29	0.61	181	0.084	1	1.76	0.010	0.16	0.3	0.03	3.2	0.3	0.09	4	0.9	<0.2
1159413	Soil	17	23	0.30	143	0.013	<1	1.24	0.004	0.07	0.2	0.02	1.1	0.2	0.08	4	1.2	<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 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
1159496	Soil	2.6	67.6	19.4	106	0.3	36.7	11.2	236	3.95	60.6	1.1	13.1	6.5	36	0.2	2.3	1.4	64	0.05	0.044
1159493	Soil	3.0	64.6	22.5	94	0.2	18.8	5.7	262	5.15	22.9	1.3	3.6	2.1	53	0.2	2.5	0.6	62	0.06	0.107
1159412	Soil	2.6	46.0	18.1	84	0.2	18.3	5.7	140	3.43	12.5	0.7	4.7	4.0	18	0.1	1.7	0.3	44	0.05	0.059
1159411	Soil	2.3	23.1	13.1	58	<0.1	10.8	3.5	111	2.00	10.7	0.6	2.0	1.2	8	<0.1	1.3	0.4	54	0.03	0.038
1159481	Soil	2.8	40.7	18.5	73	0.2	14.0	3.1	69	3.42	9.9	0.3	1.4	2.1	5	0.1	1.2	0.4	30	0.02	0.052
1159482	Soil	5.4	21.5	9.9	67	0.3	11.4	3.5	65	1.91	10.2	0.4	1.2	1.5	10	0.2	1.7	0.2	47	0.02	0.030
1159483	Soil	1.1	11.0	5.8	32	0.3	5.1	1.8	34	0.93	3.5	0.2	0.6	0.4	6	<0.1	0.5	0.1	23	0.01	0.021
1159476	Soil	2.0	22.1	15.7	58	0.3	10.3	3.5	128	2.10	8.8	0.3	0.8	1.1	12	0.1	1.0	0.3	38	0.02	0.045
1159475	Soil	2.2	19.6	15.4	66	0.1	11.2	3.8	112	2.60	9.7	0.4	0.9	2.7	9	0.2	1.1	0.3	49	0.03	0.034
1159479	Soil	2.5	24.4	15.9	82	0.4	16.2	10.2	239	2.88	12.1	0.4	1.3	2.6	8	0.2	1.1	0.3	54	0.02	0.036
1159478	Soil	2.5	44.3	36.5	92	0.3	14.3	4.1	116	4.00	10.5	0.4	1.6	3.3	16	0.1	1.3	0.4	34	0.01	0.061
1159484	Soil	1.4	11.6	7.5	53	0.3	8.0	3.5	76	1.12	4.3	0.2	1.1	1.6	6	0.7	0.7	0.2	28	0.01	0.016
1159477	Soil	2.4	46.3	29.1	87	1.9	24.2	4.5	76	3.64	8.9	0.4	1.5	3.2	31	0.1	1.1	0.4	33	0.02	0.058
1159485	Soil	1.1	10.5	6.5	45	0.3	6.5	2.9	59	0.97	3.3	0.2	<0.5	1.2	6	0.6	0.5	0.2	24	0.01	0.014
1159480	Soil	2.4	16.3	24.7	60	0.4	10.4	2.6	48	1.92	11.8	0.3	1.2	0.8	15	0.1	1.6	0.3	30	0.01	0.041
1159471	Soil	2.4	14.5	16.2	62	0.2	11.9	4.2	164	2.95	13.6	0.5	1.1	2.5	9	0.2	1.0	0.3	56	0.04	0.068
1159461	Soil	1.8	23.2	12.9	62	0.2	12.4	3.5	104	2.21	10.0	0.6	2.7	1.1	9	0.2	0.9	0.3	31	0.03	0.047
1159470	Soil	1.6	24.2	10.6	56	0.4	12.3	3.0	73	1.60	6.2	0.6	1.0	2.6	9	0.2	0.7	0.2	34	0.04	0.023
1159466	Soil	2.3	22.9	13.6	69	0.4	14.8	4.3	112	2.61	9.8	0.6	2.0	1.9	8	0.2	1.1	0.3	43	0.03	0.045
1159464	Soil	3.1	21.0	13.2	75	0.1	17.1	4.6	143	2.54	16.2	0.8	2.7	1.8	11	0.1	1.4	0.4	49	0.04	0.042
1159468	Soil	0.8	17.4	6.2	18	0.9	3.4	1.3	21	0.59	1.4	0.4	0.6	<0.1	6	0.1	0.2	0.1	13	0.02	0.047
1159474	Soil	2.3	33.3	23.7	48	0.3	6.0	2.7	104	3.01	10.0	0.3	1.2	3.0	6	<0.1	1.2	0.4	31	0.01	0.044
1159469	Soil	1.4	18.1	8.7	41	0.4	7.8	2.7	65	1.25	5.7	0.5	0.6	0.3	8	0.1	0.7	0.2	29	0.04	0.041
1159467	Soil	3.1	22.2	13.3	67	0.2	14.3	3.9	109	2.39	10.3	0.6	1.5	1.3	9	0.1	1.1	0.3	48	0.03	0.045
1159473	Soil	2.4	34.7	19.1	86	0.3	17.5	9.5	264	3.85	8.4	0.5	1.3	3.4	7	<0.1	1.0	0.3	40	0.02	0.053
1159472	Soil	1.9	23.9	14.8	70	0.3	12.5	5.2	122	2.65	8.7	0.4	0.6	2.4	10	<0.1	1.2	0.3	44	0.03	0.039
1159465	Soil	3.3	22.7	12.8	85	0.3	18.2	5.0	131	2.31	13.4	0.9	2.0	2.6	10	0.2	1.2	0.3	43	0.03	0.040
1159452	Soil	1.9	32.1	13.6	58	0.3	11.0	3.1	90	2.55	9.2	0.6	3.0	3.4	15	0.1	1.2	0.2	29	0.03	0.043
1159463	Soil	2.1	18.1	10.7	50	0.2	8.0	2.1	54	1.58	8.2	0.5	1.7	1.0	9	<0.1	1.0	0.3	35	0.02	0.038
1159456	Soil	2.3	45.6	15.3	75	0.2	17.4	4.5	131	2.98	8.8	0.7	2.7	1.0	15	0.1	1.1	0.3	31	0.02	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
1159496	Soil	15	31	0.56	168	0.067	<1	2.14	0.006	0.19	0.3	0.07	2.3	0.3	<0.05	6	1.6	<0.2
1159493	Soil	24	30	0.38	211	0.043	<1	1.57	0.013	0.23	0.2	0.03	1.4	0.3	0.27	5	1.8	<0.2
1159412	Soil	14	21	0.25	143	0.011	2	1.16	0.004	0.08	0.2	0.02	1.3	0.2	0.08	4	1.4	<0.2
1159411	Soil	16	14	0.08	74	0.018	1	0.72	0.003	0.07	0.2	0.02	0.8	0.1	<0.05	5	0.8	<0.2
1159481	Soil	4	15	0.09	78	0.003	1	0.76	0.002	0.09	<0.1	0.07	1.2	0.1	<0.05	4	1.4	<0.2
1159482	Soil	7	8	0.04	84	0.004	2	0.51	0.005	0.05	<0.1	0.02	0.6	0.2	<0.05	3	1.3	<0.2
1159483	Soil	4	4	0.02	52	0.007	1	0.36	0.007	0.05	<0.1	0.01	0.4	<0.1	<0.05	2	0.6	<0.2
1159476	Soil	8	10	0.08	66	0.008	1	0.64	0.003	0.06	<0.1	0.01	0.7	0.1	<0.05	4	1.0	<0.2
1159475	Soil	11	15	0.11	96	0.009	1	0.95	0.002	0.06	0.1	0.02	1.0	0.2	<0.05	5	<0.5	<0.2
1159479	Soil	7	17	0.10	744	0.010	1	1.12	0.004	0.08	0.2	0.04	1.1	0.2	<0.05	5	0.9	<0.2
1159478	Soil	8	17	0.16	92	0.004	2	1.11	0.002	0.09	<0.1	0.03	1.3	0.2	<0.05	5	0.6	<0.2
1159484	Soil	6	5	0.03	97	0.009	1	0.39	0.004	0.06	<0.1	0.01	0.5	0.1	<0.05	2	<0.5	<0.2
1159477	Soil	8	18	0.22	115	0.003	2	1.34	0.002	0.08	<0.1	0.06	1.2	0.2	<0.05	4	1.0	<0.2
1159485	Soil	5	5	0.03	92	0.008	1	0.40	0.005	0.06	<0.1	0.02	0.4	<0.1	<0.05	2	0.5	<0.2
1159480	Soil	4	8	0.03	108	0.006	2	0.42	0.002	0.09	<0.1	0.02	0.9	0.2	<0.05	2	0.7	<0.2
1159471	Soil	10	22	0.20	81	0.031	<1	1.00	0.004	0.07	0.2	0.02	1.2	0.2	<0.05	5	0.7	<0.2
1159461	Soil	16	15	0.14	98	0.010	1	0.82	0.007	0.07	0.1	0.03	0.8	0.1	<0.05	3	0.7	<0.2
1159470	Soil	14	14	0.15	98	0.007	1	0.97	0.003	0.06	0.2	0.04	1.1	0.2	<0.05	4	0.7	<0.2
1159466	Soil	14	17	0.16	87	0.015	2	1.01	0.003	0.07	0.2	0.04	1.1	0.2	<0.05	4	1.0	<0.2
1159464	Soil	13	18	0.19	121	0.016	2	1.05	0.003	0.08	0.2	0.03	1.1	0.2	<0.05	4	0.8	<0.2
1159468	Soil	5	4	0.02	72	0.004	1	0.43	0.011	0.04	<0.1	0.03	0.2	<0.1	<0.05	2	0.5	<0.2
1159474	Soil	8	15	0.10	87	0.004	1	0.98	0.003	0.07	<0.1	0.02	0.8	0.2	<0.05	4	1.7	<0.2
1159469	Soil	11	9	0.09	79	0.009	2	0.69	0.006	0.05	0.1	0.02	0.4	0.1	<0.05	3	0.6	<0.2
1159467	Soil	15	16	0.15	103	0.013	2	0.95	0.004	0.09	0.1	0.01	1.0	0.2	<0.05	4	1.1	<0.2
1159473	Soil	10	18	0.13	81	0.006	2	1.26	0.002	0.07	0.1	0.03	1.3	0.3	<0.05	5	1.2	<0.2
1159472	Soil	12	16	0.15	89	0.008	2	1.20	0.004	0.07	0.1	0.02	1.1	0.2	<0.05	5	0.9	<0.2
1159465	Soil	13	17	0.19	109	0.011	3	1.07	0.003	0.08	0.2	0.05	1.3	0.2	<0.05	3	0.7	<0.2
1159452	Soil	15	14	0.14	95	0.011	1	0.85	0.003	0.08	0.1	0.04	1.1	0.1	<0.05	3	1.1	<0.2
1159463	Soil	15	9	0.06	85	0.011	1	0.55	0.003	0.07	0.1	<0.01	0.7	0.1	<0.05	3	0.7	<0.2
1159456	Soil	16	15	0.13	90	0.011	2	0.94	0.002	0.09	0.1	0.03	0.8	0.2	<0.05	4	1.3	<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	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
1159457	Soil	1.7	16.9	10.2	46	0.2	8.8	2.6	101	1.77	8.6	0.5	1.0	0.1	7	<0.1	0.9	0.3	39	0.02	0.044
1159455	Soil	1.8	33.3	13.6	68	0.2	13.8	4.2	105	2.37	8.0	0.7	1.8	1.2	12	0.2	1.0	0.3	32	0.03	0.047
1159459	Soil	2.1	17.4	11.4	58	0.1	10.7	2.9	102	2.15	10.3	0.6	2.5	0.3	9	0.2	1.0	0.4	46	0.03	0.043
1159458	Soil	2.1	27.6	13.8	63	0.5	13.0	3.6	101	2.17	8.7	0.7	2.4	0.3	12	0.2	1.1	0.3	36	0.03	0.046
1159460	Soil	2.4	23.5	14.2	76	0.2	15.8	4.6	123	2.61	10.8	0.7	2.8	1.0	10	0.2	1.1	0.3	39	0.03	0.044
1159462	Soil	2.2	19.6	10.6	61	0.3	11.4	2.9	75	1.93	9.7	0.6	3.0	1.3	9	0.2	1.1	0.3	38	0.02	0.037
1159453	Soil	1.9	26.2	15.1	52	0.1	8.1	2.7	111	1.99	8.7	0.5	1.7	1.1	12	<0.1	1.0	0.3	34	0.03	0.044
1159451	Soil	2.6	46.0	21.3	63	0.4	11.0	3.6	151	3.51	12.6	0.8	2.9	3.3	25	0.2	1.3	0.3	36	0.03	0.068
1159454	Soil	3.0	53.5	16.1	105	0.2	23.1	8.3	224	3.64	13.0	0.9	3.2	1.8	15	0.2	1.5	0.3	45	0.05	0.061



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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
1159457	Soil	13	12	0.08	68	0.011	2	0.67	0.004	0.06	0.1	0.03	0.3	0.1	<0.05	4	0.7	<0.2
1159455	Soil	16	15	0.15	85	0.015	2	0.84	0.004	0.07	0.1	0.03	0.9	0.2	<0.05	3	1.0	<0.2
1159459	Soil	14	14	0.09	83	0.015	1	0.69	0.002	0.07	0.1	0.01	0.5	0.1	<0.05	4	<0.5	<0.2
1159458	Soil	16	16	0.16	92	0.011	2	0.91	0.003	0.08	0.1	0.03	0.5	0.1	<0.05	4	0.6	<0.2
1159460	Soil	17	17	0.17	98	0.018	2	0.95	0.003	0.09	0.1	0.03	0.9	0.1	<0.05	4	0.8	<0.2
1159462	Soil	13	15	0.14	97	0.010	1	0.86	0.003	0.08	0.1	0.03	0.8	0.2	<0.05	3	0.6	<0.2
1159453	Soil	21	11	0.07	96	0.011	2	0.62	0.003	0.09	0.1	0.01	0.7	0.1	<0.05	3	0.9	<0.2
1159451	Soil	19	20	0.17	198	0.010	3	1.03	0.004	0.13	<0.1	0.04	1.5	0.2	0.08	4	1.4	<0.2
1159454	Soil	17	23	0.28	103	0.012	2	1.35	0.003	0.08	0.2	0.04	1.5	0.3	<0.05	4	1.6	<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	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																					
1159355	Soil	4.4	106.1	12.4	88	1.5	13.9	3.4	107	5.06	22.9	1.1	4.3	2.3	22	0.3	5.0	0.4	65	0.05	0.140
REP 1159355	QC	4.2	103.1	13.0	91	1.6	14.3	3.5	104	4.99	23.2	1.1	7.3	2.2	23	0.3	4.9	0.4	65	0.05	0.143
1145040	Soil	2.3	28.3	20.4	72	0.2	12.6	3.7	104	1.88	12.2	0.5	<0.5	0.5	8	0.3	2.2	0.4	48	0.02	0.056
REP 1145040	QC	2.4	28.1	20.7	75	0.2	12.7	3.8	109	1.94	12.7	0.5	<0.5	0.5	8	0.3	2.4	0.4	47	0.02	0.058
1145065	Soil	1.6	40.6	20.3	59	0.3	26.9	10.3	809	2.27	10.7	0.8	3.0	5.3	40	0.2	1.2	0.4	19	0.46	0.029
REP 1145065	QC	1.7	38.7	20.6	58	0.2	26.7	10.5	794	2.24	10.6	0.8	2.7	5.1	38	0.2	1.3	0.4	20	0.44	0.029
1145066	Soil	1.4	26.9	42.4	112	0.1	27.5	11.9	461	2.60	11.6	1.3	1.8	4.9	34	0.2	1.5	0.3	22	0.33	0.028
REP 1145066	QC	1.4	25.8	41.6	106	0.1	26.8	11.7	459	2.52	11.2	1.3	1.3	4.7	34	0.3	1.7	0.3	22	0.33	0.028
1152464	Soil	2.7	33.9	10.3	99	<0.1	16.2	7.8	1281	2.58	9.6	0.5	<0.5	1.4	11	0.5	1.3	0.3	57	0.02	0.050
REP 1152464	QC	2.7	33.5	10.4	99	<0.1	17.1	8.2	1306	2.60	9.4	0.6	<0.5	1.5	11	0.6	1.4	0.3	58	0.02	0.051
1145459	Soil	1.8	31.2	12.2	71	0.2	20.7	5.4	214	2.90	30.3	1.0	2.4	3.0	19	0.3	2.0	0.9	63	0.07	0.059
REP 1145459	QC	2.0	31.9	11.8	72	0.2	20.8	5.3	210	2.92	30.1	1.1	3.5	2.9	19	0.4	2.0	0.9	64	0.07	0.058
1145464	Soil	1.6	33.6	7.4	42	0.2	10.1	4.1	234	1.84	69.0	0.7	2.3	0.5	11	0.2	1.1	2.0	41	0.05	0.056
REP 1145464	QC	1.5	34.6	7.3	43	0.2	10.5	4.0	238	1.85	68.7	0.7	2.1	0.4	11	0.2	1.2	2.0	41	0.05	0.055
1159373	Soil	5.5	73.6	18.6	115	0.6	29.2	7.0	401	3.66	38.5	1.1	8.5	1.1	120	0.5	10.9	0.3	66	0.07	0.112
REP 1159373	QC	5.7	77.8	19.6	119	0.6	30.4	7.4	427	3.93	40.3	1.1	8.2	1.2	123	0.5	11.3	0.3	68	0.07	0.117
1159390	Soil	3.2	36.3	30.5	93	0.6	22.4	8.0	285	3.15	17.0	0.6	4.8	3.0	27	0.3	11.8	0.6	36	0.03	0.059
REP 1159390	QC	3.4	37.3	31.1	100	0.6	22.3	8.8	287	3.15	17.4	0.6	6.0	3.0	27	0.2	11.8	0.5	37	0.03	0.063
1159079	Soil	21.7	40.9	10.6	139	0.7	49.7	8.7	873	2.46	15.0	1.9	4.5	4.4	11	1.7	2.6	0.1	23	0.15	0.090
REP 1159079	QC	21.6	42.6	10.8	146	0.8	49.5	8.8	870	2.50	15.6	2.0	4.1	4.6	11	1.6	2.6	0.2	25	0.15	0.094
1144123	Soil	2.8	201.9	21.2	156	0.2	75.2	23.5	1848	4.97	14.0	0.9	6.2	2.4	14	0.2	2.0	0.3	51	0.06	0.049
REP 1144123	QC	2.9	198.9	21.7	161	0.2	75.7	23.8	1822	4.95	13.9	1.0	5.6	2.6	14	0.4	1.9	0.3	52	0.06	0.051
1159404	Soil	4.2	39.9	33.1	64	0.6	12.9	2.2	60	3.35	17.5	0.8	3.7	5.9	44	<0.1	3.8	0.4	22	0.02	0.090
REP 1159404	QC	4.3	39.2	33.9	62	0.6	12.8	2.3	60	3.37	17.8	0.8	3.7	5.8	44	<0.1	4.0	0.4	23	0.02	0.095
1152396	Soil	3.1	124.6	38.1	105	0.2	25.1	7.7	250	6.73	108.2	2.6	5.2	10.9	71	0.2	3.3	1.3	46	0.19	0.136
REP 1152396	QC	3.2	124.2	38.1	106	0.2	24.9	8.0	258	6.82	104.4	2.6	3.7	11.3	69	0.2	3.4	1.4	45	0.18	0.138
1159464	Soil	3.1	21.0	13.2	75	0.1	17.1	4.6	143	2.54	16.2	0.8	2.7	1.8	11	0.1	1.4	0.4	49	0.04	0.042
REP 1159464	QC	3.0	20.9	13.1	75	0.1	16.9	4.6	146	2.57	16.6	0.8	2.6	1.9	10	0.2	1.4	0.4	50	0.04	0.043



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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																		
1159355	Soil	28	37	0.23	308	0.018	<1	1.09	0.010	0.19	<0.1	0.08	1.8	0.3	0.23	4	5.4	<0.2
REP 1159355	QC	27	38	0.23	301	0.019	<1	1.09	0.010	0.18	0.1	0.07	1.8	0.3	0.22	5	5.8	<0.2
1145040	Soil	14	14	0.05	109	0.011	3	0.60	0.002	0.10	0.2	0.05	0.9	0.2	<0.05	4	<0.5	<0.2
REP 1145040	QC	14	14	0.05	105	0.011	1	0.58	0.002	0.09	0.2	0.06	0.9	0.1	<0.05	4	0.7	<0.2
1145065	Soil	43	13	0.20	250	0.004	2	0.99	0.007	0.11	<0.1	0.06	3.3	0.1	<0.05	2	<0.5	<0.2
REP 1145065	QC	41	13	0.19	242	0.003	2	0.98	0.007	0.12	<0.1	0.07	3.3	0.1	<0.05	3	<0.5	<0.2
1145066	Soil	29	17	0.31	195	0.007	4	1.19	0.011	0.11	<0.1	0.03	2.6	0.1	<0.05	3	<0.5	<0.2
REP 1145066	QC	29	16	0.30	187	0.006	2	1.16	0.010	0.11	<0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1152464	Soil	9	17	0.15	366	0.010	1	1.19	0.008	0.08	0.1	0.03	1.3	0.1	<0.05	6	0.7	<0.2
REP 1152464	QC	9	17	0.15	367	0.010	<1	1.16	0.008	0.08	0.1	0.02	1.3	0.1	<0.05	6	<0.5	<0.2
1145459	Soil	16	31	0.44	188	0.057	1	1.27	0.008	0.17	0.2	0.03	2.0	0.2	0.09	5	0.7	<0.2
REP 1145459	QC	17	30	0.43	193	0.062	2	1.26	0.008	0.17	0.2	0.02	2.0	0.2	0.09	5	0.7	<0.2
1145464	Soil	11	14	0.17	85	0.034	3	0.79	0.011	0.09	0.3	0.03	0.6	0.2	0.07	4	0.6	<0.2
REP 1145464	QC	11	15	0.17	85	0.035	3	0.82	0.011	0.09	0.4	0.03	0.6	0.2	0.07	4	0.9	<0.2
1159373	Soil	16	27	0.22	263	0.016	2	1.12	0.004	0.08	0.2	0.06	2.1	0.4	0.09	4	2.4	<0.2
REP 1159373	QC	17	28	0.23	270	0.016	2	1.12	0.004	0.08	0.2	0.06	2.3	0.4	0.07	4	2.3	<0.2
1159390	Soil	14	18	0.23	125	0.010	3	0.95	0.003	0.10	0.1	0.06	1.6	0.5	0.10	3	2.1	<0.2
REP 1159390	QC	14	19	0.24	130	0.010	4	0.99	0.003	0.10	0.1	0.05	1.7	0.5	0.08	3	2.4	<0.2
1159079	Soil	9	5	0.04	748	<0.001	2	0.24	0.004	0.05	<0.1	0.42	4.8	0.4	<0.05	<1	2.2	<0.2
REP 1159079	QC	9	5	0.04	737	0.001	3	0.25	0.004	0.05	<0.1	0.39	5.0	0.4	<0.05	<1	1.8	<0.2
1144123	Soil	9	28	0.27	285	0.023	<1	1.56	0.004	0.04	0.1	0.13	5.4	0.2	<0.05	4	1.0	<0.2
REP 1144123	QC	9	28	0.27	289	0.025	2	1.56	0.007	0.05	0.2	0.15	5.2	0.2	<0.05	4	1.4	<0.2
1159404	Soil	36	12	0.06	196	0.003	2	0.71	0.005	0.18	<0.1	0.04	1.3	0.3	0.19	2	1.6	<0.2
REP 1159404	QC	36	12	0.06	192	0.004	2	0.78	0.005	0.19	<0.1	0.04	1.3	0.3	0.23	2	2.0	<0.2
1152396	Soil	19	28	0.69	184	0.020	<1	2.37	0.011	0.31	0.1	0.03	2.7	0.5	0.15	7	4.1	<0.2
REP 1152396	QC	20	28	0.70	185	0.021	<1	2.41	0.011	0.30	0.1	0.04	2.6	0.5	0.15	7	3.2	0.2
1159464	Soil	13	18	0.19	121	0.016	2	1.05	0.003	0.08	0.2	0.03	1.1	0.2	<0.05	4	0.8	<0.2
REP 1159464	QC	13	19	0.19	123	0.016	2	1.05	0.003	0.08	0.2	0.03	1.2	0.2	<0.05	4	1.1	<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
1159465	Soil	3.3	22.7	12.8	85	0.3	18.2	5.0	131	2.31	13.4	0.9	2.0	2.6	10	0.2	1.2	0.3	43	0.03	0.040
REP 1159465	QC	3.4	23.3	13.6	87	0.3	17.8	5.1	135	2.30	13.8	0.9	3.1	2.7	10	0.3	1.3	0.3	43	0.03	0.043
Reference Materials																					
STD DS8	Standard	11.2	108.5	123.6	316	1.8	37.6	7.5	589	2.43	24.9	2.5	117.1	6.3	64	2.4	5.4	6.5	41	0.64	0.079
STD DS8	Standard	13.5	113.4	121.5	313	1.8	41.2	7.5	637	2.53	25.4	2.8	115.4	6.6	70	2.2	5.7	6.3	44	0.72	0.076
STD DS8	Standard	10.7	100.6	115.5	293	1.7	35.5	7.1	556	2.29	23.2	2.5	106.6	5.9	61	2.3	5.1	6.2	36	0.61	0.076
STD DS8	Standard	12.8	107.4	130.2	291	1.8	36.1	7.5	580	2.33	23.1	3.0	114.9	7.6	66	2.2	5.8	6.9	43	0.66	0.078
STD DS8	Standard	11.5	106.9	113.6	273	1.7	33.0	6.7	578	2.10	21.5	2.5	108.1	6.4	57	2.1	5.1	6.1	35	0.61	0.069
STD DS8	Standard	13.5	115.8	126.1	315	1.9	40.2	7.9	609	2.52	26.4	2.7	106.5	6.8	67	2.1	5.6	6.5	46	0.70	0.083
STD DS8	Standard	11.0	100.6	122.9	288	1.6	35.6	7.3	572	2.29	21.0	2.6	130.5	6.2	60	1.9	4.5	6.8	38	0.60	0.069
STD DS8	Standard	13.5	114.7	127.2	325	1.9	39.5	7.9	636	2.58	26.3	3.0	114.3	7.2	75	2.4	5.9	7.1	45	0.73	0.081
STD DS8	Standard	14.0	107.4	125.2	308	1.9	36.3	7.7	610	2.44	24.8	3.1	117.8	7.6	70	2.2	6.1	6.8	43	0.68	0.078
STD DS8	Standard	15.1	116.8	132.9	330	1.9	41.1	8.7	655	2.66	27.1	2.9	123.1	7.0	68	2.5	5.9	6.7	47	0.76	0.087
STD DS8	Standard	12.5	110.4	118.6	313	1.8	38.7	7.5	617	2.43	24.7	2.6	108.5	6.2	66	2.6	5.8	6.8	43	0.66	0.078
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	0.02	<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
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project:

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Report Date:

August 23, 2011

Page:

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Part 2

QUALITY CONTROL REPORT

WHI11001010.1

		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
1159465	Soil	13	17	0.19	109	0.011	3	1.07	0.003	0.08	0.2	0.05	1.3	0.2	<0.05	3	0.7	<0.2
REP 1159465	QC	13	17	0.19	108	0.010	2	1.09	0.003	0.08	0.2	0.06	1.3	0.2	<0.05	3	1.1	<0.2
Reference Materials																		
STD DS8	Standard	12	112	0.59	260	0.106	2	0.90	0.087	0.44	3.1	0.23	2.4	5.3	0.14	5	5.1	5.5
STD DS8	Standard	14	122	0.62	288	0.127	2	0.95	0.109	0.44	3.2	0.21	3.2	5.6	0.18	5	4.2	4.9
STD DS8	Standard	11	107	0.60	256	0.102	5	0.83	0.083	0.41	2.6	0.18	2.3	5.1	0.15	4	4.3	4.9
STD DS8	Standard	14	114	0.65	276	0.115	3	0.89	0.084	0.41	3.0	0.21	1.9	5.6	0.18	4	4.4	4.5
STD DS8	Standard	13	102	0.55	261	0.098	2	0.79	0.081	0.39	2.7	0.19	1.7	5.0	0.14	4	4.4	4.4
STD DS8	Standard	14	122	0.62	269	0.112	2	0.95	0.114	0.42	3.0	0.22	2.5	5.4	0.13	4	5.4	5.8
STD DS8	Standard	12	107	0.56	243	0.098	5	0.84	0.095	0.39	2.5	0.14	3.9	6.1	0.10	4	5.4	5.5
STD DS8	Standard	15	123	0.68	303	0.128	4	0.97	0.106	0.46	3.0	0.22	2.1	5.5	0.15	5	4.9	4.7
STD DS8	Standard	17	119	0.65	287	0.128	2	0.91	0.089	0.41	2.9	0.21	2.0	5.5	0.15	5	5.2	5.2
STD DS8	Standard	16	128	0.66	300	0.134	3	0.99	0.092	0.45	3.3	0.21	2.4	5.9	0.16	5	5.8	5.2
STD DS8	Standard	14	119	0.65	266	0.119	4	0.87	0.080	0.41	2.9	0.21	1.9	5.2	0.16	4	4.8	4.8
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
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: August 05, 2011

Report Date: August 30, 2011

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CERTIFICATE OF ANALYSIS

WHI11001011.1

CLIENT JOB INFORMATION

Project: PDM
Shipment ID:
P.O. Number
Number of Samples: 220

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	220	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	220	Dry at 60C			VAN
1DX2	220	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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Report Date:

August 30, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11001011.1

	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
1144076	Soil	2.0	14.9	7.0	32	0.6	5.1	1.7	46	1.00	3.9	0.5	2.9	0.5	14	0.4	1.0	0.3	46	0.03	0.025
1144081	Soil	3.1	40.1	17.3	59	0.9	11.0	2.8	90	3.26	14.4	0.5	5.8	1.7	19	0.2	2.7	0.4	79	0.03	0.040
1144083	Soil	1.5	21.8	7.1	36	1.1	6.5	2.1	82	1.45	6.9	0.3	1.9	0.5	10	0.2	1.3	0.3	51	0.03	0.028
1144080	Soil	3.3	25.7	11.8	44	0.5	9.2	2.5	62	1.86	7.3	0.6	2.5	0.7	20	0.3	2.0	0.4	81	0.03	0.039
1144077	Soil	24.8	21.5	30.3	35	0.8	8.5	1.5	50	1.63	15.6	1.1	2.8	2.4	45	0.1	7.3	0.4	130	0.01	0.051
1144079	Soil	2.9	26.8	20.7	35	0.4	6.4	1.7	36	2.65	7.9	0.4	9.8	0.7	25	<0.1	2.5	0.4	85	0.02	0.056
1144085	Soil	3.6	43.3	12.3	62	2.1	11.6	2.7	66	2.26	12.0	0.7	6.5	1.7	19	<0.1	2.8	0.2	53	0.03	0.031
1144084	Soil	4.3	43.7	15.0	83	3.1	16.9	4.0	133	2.97	17.7	0.6	9.5	0.9	20	0.2	2.4	0.3	64	0.02	0.055
1144082	Soil	3.0	34.7	13.5	56	0.3	11.2	2.6	77	3.28	12.8	0.5	3.8	1.2	19	<0.1	2.8	0.4	85	0.04	0.043
1144078	Soil	27.6	21.6	31.7	38	0.7	8.5	1.5	57	1.88	19.4	1.1	6.1	2.7	53	0.1	7.8	0.4	141	0.02	0.057
1144075	Soil	3.4	19.0	9.1	42	0.9	7.6	2.7	189	1.40	7.4	0.5	1.2	0.6	16	0.4	2.6	0.2	57	0.03	0.030
1144086	Soil	3.5	30.5	12.8	95	0.6	22.1	6.5	232	2.41	11.2	0.8	6.9	1.7	24	0.3	2.1	0.2	59	0.06	0.041
1144097	Soil	26.2	108.9	24.1	198	0.6	34.6	11.8	522	5.28	24.5	0.7	3.7	2.4	27	0.3	2.2	0.3	54	0.04	0.061
1144087	Soil	4.0	39.0	16.1	107	0.5	20.1	5.9	198	2.94	18.2	0.6	5.4	2.0	28	0.2	4.2	0.3	68	0.05	0.066
1144089	Soil	3.0	89.3	8.8	94	0.3	13.4	3.7	82	3.82	20.4	0.4	2.8	1.8	24	0.1	5.7	0.3	66	0.01	0.044
1144088	Soil	3.2	39.6	11.6	65	0.6	10.6	3.2	93	2.40	14.4	0.4	2.2	1.3	14	0.2	4.2	0.3	56	0.03	0.035
1144094	Soil	2.3	116.3	12.9	112	0.2	27.6	10.1	258	3.37	9.4	0.4	1.2	2.1	19	0.2	4.3	0.3	55	0.03	0.033
1144090	Soil	4.0	81.9	15.6	107	0.2	19.9	5.6	243	3.23	9.3	0.4	1.0	1.5	23	0.2	2.4	0.3	84	0.03	0.043
1144091	Soil	2.3	57.8	19.5	116	0.2	29.3	13.0	550	5.10	10.1	0.5	0.9	2.4	14	0.2	3.0	0.5	91	0.04	0.056
1144093	Soil	3.2	103.8	17.9	121	0.3	29.7	9.1	173	4.01	14.7	0.5	4.3	2.3	13	0.2	5.8	0.3	61	0.03	0.035
1144095	Soil	2.4	120.6	14.1	116	0.3	29.2	10.7	250	3.40	10.1	0.5	2.4	2.4	20	0.3	4.3	0.3	55	0.04	0.035
1144092	Soil	2.8	65.9	13.7	100	0.4	19.9	6.8	152	2.91	9.6	0.5	2.1	2.4	18	0.2	2.1	0.3	61	0.03	0.035
1144096	Soil	3.5	122.1	24.1	211	0.3	47.1	18.9	350	4.10	12.5	0.5	1.1	2.4	17	0.5	3.6	0.4	53	0.04	0.038
1144072	Soil	2.9	11.6	4.5	19	0.6	3.1	0.9	35	0.71	5.3	0.5	2.6	<0.1	13	<0.1	1.9	0.1	37	0.04	0.027
1144065	Soil	27.1	32.7	16.3	34	4.7	11.0	1.3	35	1.92	16.1	2.9	4.1	0.5	104	0.7	6.4	0.3	131	0.03	0.129
1144063	Soil	3.3	38.5	14.1	140	0.3	25.5	7.0	267	3.88	11.1	0.5	6.0	2.5	31	0.3	1.5	0.3	60	0.05	0.079
1144066	Soil	4.6	37.5	19.3	51	0.7	12.6	2.5	96	3.10	14.1	0.9	8.7	2.8	67	0.4	2.1	0.3	45	0.03	0.066
1144070	Soil	13.0	36.3	11.2	61	1.3	13.0	2.2	69	1.95	11.0	2.0	7.4	0.8	32	0.2	4.2	0.2	88	0.03	0.037
1144069	Soil	9.2	48.8	11.6	136	0.7	30.8	5.6	171	2.72	12.5	1.8	8.5	3.5	40	0.4	3.2	0.2	77	0.05	0.047
1144067	Soil	3.3	24.4	9.0	48	0.5	8.2	2.0	47	1.13	4.5	0.5	0.9	<0.1	17	0.1	1.4	0.2	56	0.03	0.040



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Project: PDM
Report Date: August 30, 2011

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CERTIFICATE OF ANALYSIS

WHI11001011.1

	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
1144076	Soil	7	9	0.03	207	0.020	2	0.71	0.015	0.06	0.1	0.06	0.7	0.1	<0.05	4	0.8	<0.2
1144081	Soil	7	24	0.09	309	0.014	2	0.91	0.003	0.08	0.2	0.07	1.4	<0.1	<0.05	6	2.9	<0.2
1144083	Soil	6	9	0.03	156	0.017	1	0.60	0.015	0.05	<0.1	0.04	0.5	<0.1	<0.05	4	1.3	<0.2
1144080	Soil	15	17	0.03	593	0.016	2	0.54	0.003	0.06	0.2	0.03	0.9	0.1	0.06	5	1.4	<0.2
1144077	Soil	5	9	0.03	694	0.004	3	0.48	0.005	0.24	<0.1	0.12	1.0	3.4	0.31	3	3.2	<0.2
1144079	Soil	9	14	0.02	579	0.014	5	0.38	0.003	0.14	0.1	0.03	1.0	0.2	0.20	5	2.0	<0.2
1144085	Soil	6	20	0.09	425	0.010	1	0.96	0.003	0.07	<0.1	0.07	1.5	0.1	<0.05	3	3.2	<0.2
1144084	Soil	7	24	0.13	380	0.008	4	1.17	0.004	0.09	0.1	0.14	1.4	0.2	0.05	4	2.5	<0.2
1144082	Soil	6	23	0.06	793	0.015	2	0.71	0.005	0.08	0.1	0.04	1.2	<0.1	0.05	6	2.6	<0.2
1144078	Soil	5	10	0.03	657	0.008	3	0.50	0.006	0.27	<0.1	0.09	1.2	4.1	0.36	3	4.6	<0.2
1144075	Soil	8	12	0.03	322	0.024	1	0.47	0.014	0.07	0.1	0.09	0.7	0.1	<0.05	4	1.6	<0.2
1144086	Soil	11	25	0.24	430	0.020	1	1.25	0.007	0.10	0.1	0.07	1.8	0.2	<0.05	4	1.7	<0.2
1144097	Soil	8	27	0.20	886	0.013	2	1.39	0.010	0.13	0.1	0.06	3.1	0.4	0.08	5	1.4	<0.2
1144087	Soil	10	23	0.19	436	0.021	4	1.02	0.005	0.09	0.1	0.02	2.1	0.2	<0.05	5	2.0	<0.2
1144089	Soil	8	18	0.03	426	0.011	3	0.66	0.004	0.07	0.1	0.03	2.4	0.1	<0.05	4	1.9	<0.2
1144088	Soil	10	15	0.04	400	0.018	<1	0.64	0.007	0.07	0.1	0.03	1.3	0.1	<0.05	4	1.2	<0.2
1144094	Soil	8	20	0.08	685	0.015	3	0.96	0.005	0.08	0.1	0.02	2.7	<0.1	<0.05	5	0.5	<0.2
1144090	Soil	6	22	0.09	990	0.008	2	1.17	0.006	0.07	<0.1	0.02	1.8	0.2	<0.05	5	1.1	<0.2
1144091	Soil	7	32	0.12	630	0.013	1	1.90	0.006	0.08	<0.1	0.03	2.8	0.2	<0.05	8	0.6	<0.2
1144093	Soil	7	22	0.16	386	0.011	<1	1.39	0.003	0.07	0.2	0.05	3.0	0.2	<0.05	4	1.4	<0.2
1144095	Soil	8	21	0.12	750	0.013	3	1.09	0.005	0.08	0.1	0.02	3.0	<0.1	<0.05	5	1.4	<0.2
1144092	Soil	9	21	0.12	591	0.013	2	1.15	0.006	0.08	0.1	0.02	2.2	0.1	<0.05	5	0.6	<0.2
1144096	Soil	7	25	0.15	518	0.011	1	1.33	0.004	0.10	<0.1	0.03	3.6	0.1	<0.05	4	<0.5	<0.2
1144072	Soil	5	7	0.03	470	0.009	<1	0.49	0.020	0.04	<0.1	0.04	0.2	<0.1	<0.05	3	0.8	<0.2
1144065	Soil	8	32	0.04	670	0.004	4	0.68	0.004	0.22	<0.1	0.52	1.0	1.1	0.38	4	13.2	0.3
1144063	Soil	8	23	0.21	368	0.013	4	1.19	0.004	0.18	<0.1	0.04	2.3	0.3	0.06	5	1.0	<0.2
1144066	Soil	6	19	0.12	393	0.008	3	0.76	0.005	0.30	<0.1	0.21	2.7	0.6	0.47	3	5.8	<0.2
1144070	Soil	9	20	0.10	283	0.012	3	0.87	0.004	0.09	<0.1	0.34	1.3	0.3	<0.05	5	2.2	<0.2
1144069	Soil	12	25	0.24	303	0.019	3	1.33	0.006	0.10	0.1	0.13	2.9	0.3	<0.05	4	2.5	<0.2
1144067	Soil	7	15	0.03	249	0.008	<1	0.47	0.012	0.09	<0.1	0.06	0.3	<0.1	<0.05	3	1.6	<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
1144073	Soil	3.5	27.3	14.1	104	0.4	24.9	7.2	281	2.97	16.8	0.9	6.0	3.8	24	0.3	2.2	0.2	76	0.15	0.097
1144071	Soil	14.3	33.9	12.2	63	0.8	11.3	1.5	62	1.70	11.1	1.8	2.7	0.6	30	0.2	4.9	0.2	91	0.02	0.039
1144068	Soil	13.5	70.4	12.6	284	1.5	68.9	10.5	462	3.38	14.3	3.0	14.9	2.9	39	1.3	4.0	0.2	98	0.04	0.050
1144074	Soil	6.3	25.6	14.2	55	1.2	11.4	2.8	290	1.68	7.9	0.6	1.8	0.1	19	0.1	3.8	0.2	75	0.03	0.050
1144064	Soil	68.9	81.1	20.9	162	7.6	38.8	1.3	33	3.82	25.1	12.6	1.6	1.0	145	8.4	9.8	0.3	569	0.25	0.585
1058757	Soil	5.0	28.4	17.9	102	0.2	42.8	14.6	433	3.36	16.4	1.4	0.6	7.5	25	0.5	0.8	0.2	20	0.50	0.194
1058758	Soil	5.3	30.4	17.2	113	0.2	44.5	15.2	455	3.49	17.7	1.3	0.6	7.1	25	0.7	0.8	0.3	20	0.54	0.191
1058756	Soil	2.9	33.8	12.5	99	0.2	34.5	10.6	238	2.70	10.0	0.8	4.6	4.0	18	0.5	1.1	0.2	40	0.30	0.080
1058753	Soil	1.5	21.8	6.6	33	0.1	7.0	2.1	62	1.33	4.8	0.3	2.5	0.5	8	<0.1	0.7	0.2	37	0.03	0.033
1058755	Soil	2.0	39.1	11.1	48	<0.1	9.5	3.3	153	2.13	9.9	0.3	<0.5	0.3	8	0.1	1.1	0.3	56	0.02	0.075
1058754	Soil	2.6	18.6	11.5	61	0.1	12.3	3.8	189	2.48	10.2	0.4	<0.5	0.4	9	0.1	1.2	0.3	60	0.03	0.076
1058752	Soil	2.1	97.4	15.6	127	0.4	30.7	8.2	223	3.52	7.2	0.6	3.5	1.9	18	0.2	1.4	0.3	49	0.04	0.058
1061700	Soil	2.8	31.9	16.8	104	0.2	21.9	10.4	635	4.39	15.4	0.6	1.9	2.4	11	0.3	1.6	0.4	71	0.04	0.116
1058751	Soil	2.5	28.4	13.8	81	1.6	19.1	5.5	146	2.52	11.0	0.6	10.1	3.3	9	0.2	1.4	0.2	47	0.05	0.037
1057799	Soil	2.2	27.1	13.0	87	1.2	23.5	7.6	262	2.47	11.2	0.8	5.0	2.6	16	0.3	1.4	0.2	42	0.12	0.084
1057798	Soil	2.6	33.7	12.5	101	0.2	18.6	7.0	376	2.96	12.6	0.6	0.9	0.7	10	0.2	1.5	0.3	61	0.04	0.049
1057800	Soil	2.3	19.8	10.0	52	0.3	8.9	2.7	99	1.95	10.0	0.4	0.9	0.4	9	<0.1	1.3	0.3	67	0.02	0.048
1058763	Soil	3.6	73.2	19.0	221	3.7	85.2	17.1	258	4.01	15.7	1.1	14.9	5.1	21	1.4	1.7	0.2	16	0.31	0.112
1058762	Soil	26.7	141.4	18.9	361	0.9	89.1	21.1	315	3.92	26.0	3.7	12.3	5.0	21	1.5	3.5	0.4	65	0.16	0.185
1058760	Soil	1.8	60.8	14.5	192	2.8	47.6	11.0	284	3.31	11.9	0.9	8.5	5.6	25	2.5	1.7	0.3	15	0.32	0.138
1058764	Soil	6.1	44.5	22.0	151	0.6	35.1	13.2	336	3.23	15.4	1.0	2.4	3.4	51	0.9	1.7	0.4	24	0.04	0.066
1058759	Soil	7.9	27.3	21.5	133	0.6	53.8	8.6	154	3.25	13.3	0.6	3.1	1.9	12	0.5	3.2	0.3	61	0.05	0.085
1058761	Soil	3.7	124.1	18.4	234	0.8	63.0	23.3	513	3.49	5.9	0.4	23.7	2.8	6	0.5	1.8	0.3	19	0.06	0.093
1059539	Soil	2.9	29.8	53.1	67	0.8	11.6	4.7	232	2.99	28.6	1.0	10.6	3.6	9	0.5	3.6	2.9	76	0.07	0.050
1059540	Soil	3.6	28.1	30.2	42	0.2	9.2	3.3	155	2.13	25.3	0.9	5.3	1.4	7	0.2	1.8	1.2	69	0.04	0.036
1059542	Soil	1.9	11.6	10.9	23	0.2	5.4	1.8	99	0.91	5.9	0.6	<0.5	0.6	9	0.4	0.7	0.4	43	0.05	0.034
1059535	Soil	3.1	102.4	380.4	322	1.4	40.3	18.9	790	3.57	114.9	2.6	18.2	6.9	69	2.3	26.9	4.7	56	0.26	0.087
1059538	Soil	1.0	26.9	93.0	40	0.3	6.8	4.3	147	0.96	34.2	1.4	6.0	1.0	20	0.1	2.5	1.4	21	0.15	0.064
1059536	Soil	4.8	73.6	622.7	153	2.4	30.0	16.3	655	3.70	145.8	9.8	13.5	1.8	30	0.5	9.1	5.7	66	0.15	0.101
1059545	Soil	9.6	119.4	41.4	88	0.4	39.4	18.6	688	5.31	53.5	1.2	5.1	4.5	17	0.3	6.8	1.1	71	0.05	0.046



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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
1144073	Soil	14	29	0.39	223	0.043	3	1.55	0.008	0.13	0.2	0.09	2.5	0.3	<0.05	6	2.1	<0.2
1144071	Soil	7	18	0.06	333	0.008	3	0.68	0.004	0.07	<0.1	0.18	1.0	0.2	<0.05	4	1.9	<0.2
1144068	Soil	12	26	0.22	408	0.012	3	1.42	0.004	0.12	0.1	0.44	3.7	0.6	<0.05	4	3.8	<0.2
1144074	Soil	11	21	0.03	729	0.005	3	0.41	0.005	0.10	<0.1	0.09	0.2	0.1	0.07	5	3.0	<0.2
1144064	Soil	15	73	0.07	166	0.005	8	1.02	0.010	0.41	<0.1	0.36	1.5	2.2	0.73	6	15.5	0.3
1058757	Soil	15	19	0.50	446	0.003	4	1.27	0.005	0.15	<0.1	0.18	5.5	0.4	<0.05	3	<0.5	<0.2
1058758	Soil	14	19	0.52	388	0.003	3	1.19	0.004	0.09	<0.1	0.18	5.4	0.4	<0.05	3	0.6	<0.2
1058756	Soil	10	23	0.42	618	0.005	2	1.65	0.007	0.07	0.1	0.04	3.0	0.2	<0.05	4	1.1	<0.2
1058753	Soil	9	10	0.07	179	0.018	2	0.65	0.009	0.03	0.1	0.02	0.6	<0.1	<0.05	4	0.5	<0.2
1058755	Soil	7	12	0.06	96	0.013	<1	0.68	0.006	0.03	0.1	0.02	0.6	<0.1	<0.05	6	0.6	<0.2
1058754	Soil	9	16	0.15	192	0.015	2	0.91	0.005	0.05	0.2	0.01	0.8	0.1	<0.05	6	0.8	<0.2
1058752	Soil	6	23	0.18	256	0.013	2	1.48	0.006	0.04	0.1	0.05	2.8	<0.1	<0.05	4	1.3	<0.2
1061700	Soil	9	34	0.32	266	0.025	2	1.57	0.005	0.08	0.2	0.02	2.2	0.1	<0.05	7	0.8	<0.2
1058751	Soil	9	26	0.31	294	0.022	2	1.59	0.004	0.05	0.3	0.13	2.2	0.1	<0.05	4	0.9	<0.2
1057799	Soil	11	25	0.38	297	0.020	3	1.29	0.005	0.06	0.2	0.06	2.1	<0.1	<0.05	3	1.0	<0.2
1057798	Soil	11	24	0.24	311	0.017	3	1.42	0.006	0.06	0.2	0.03	1.3	0.1	<0.05	5	0.9	<0.2
1057800	Soil	12	13	0.07	291	0.019	2	0.73	0.006	0.04	0.1	<0.01	0.6	<0.1	<0.05	6	0.6	<0.2
1058763	Soil	8	24	0.32	400	<0.001	2	0.65	0.004	0.08	<0.1	0.35	5.6	0.2	<0.05	2	5.7	<0.2
1058762	Soil	9	18	0.27	545	0.001	2	1.28	0.003	0.09	<0.1	0.26	4.8	0.6	<0.05	3	5.1	<0.2
1058760	Soil	10	18	0.23	551	<0.001	2	0.61	0.003	0.09	<0.1	0.34	5.5	0.3	<0.05	1	6.2	<0.2
1058764	Soil	5	16	0.23	203	0.003	2	1.25	0.015	0.08	<0.1	0.05	3.1	0.3	0.10	3	2.3	<0.2
1058759	Soil	6	24	0.20	310	0.005	<1	1.30	0.005	0.05	0.1	0.03	2.1	0.3	<0.05	5	5.4	<0.2
1058761	Soil	3	20	0.36	119	0.003	2	1.02	0.003	0.08	<0.1	0.18	3.4	0.2	<0.05	3	4.5	0.3
1059539	Soil	12	22	0.29	110	0.078	2	1.79	0.006	0.09	0.2	0.08	2.3	0.2	<0.05	8	0.9	<0.2
1059540	Soil	9	19	0.25	73	0.059	1	1.28	0.009	0.08	0.2	0.04	1.6	0.1	<0.05	7	0.9	<0.2
1059542	Soil	9	12	0.10	104	0.045	<1	0.64	0.015	0.07	0.2	0.02	0.7	<0.1	<0.05	5	<0.5	<0.2
1059535	Soil	19	33	0.78	431	0.081	2	2.15	0.014	0.19	0.3	0.04	3.8	0.3	<0.05	6	0.9	0.2
1059538	Soil	7	7	0.20	98	0.030	1	1.05	0.025	0.04	0.1	0.02	1.0	<0.1	<0.05	3	<0.5	<0.2
1059536	Soil	31	32	0.64	263	0.030	2	2.69	0.011	0.09	0.3	0.09	2.9	0.3	0.07	8	1.5	0.3
1059545	Soil	12	33	0.36	172	0.040	2	2.03	0.008	0.14	0.3	0.04	3.0	0.3	0.05	7	1.4	<0.2



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Project: PDM
Report Date: August 30, 2011

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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
1059537	Soil	5.1	39.9	183.6	172	1.6	24.8	10.1	775	5.21	79.6	1.2	2.7	4.5	26	0.5	13.8	2.4	91	0.05	0.049
1059546	Soil	2.6	38.1	26.9	59	0.3	11.7	11.9	1655	2.68	35.0	0.5	2.0	0.6	10	0.6	2.6	0.8	68	0.04	0.045
1059541	Soil	2.7	18.1	13.9	31	<0.1	6.4	3.0	281	1.66	13.0	0.7	2.2	1.7	7	0.2	1.3	1.1	61	0.04	0.040
1059544	Soil	2.0	34.4	35.3	76	0.4	17.6	6.3	320	1.88	16.7	0.8	2.0	0.5	11	0.3	2.3	0.7	39	0.05	0.032
1059543	Soil	4.2	43.9	43.4	91	0.2	20.8	8.2	522	4.56	48.1	1.0	3.9	2.9	20	0.3	3.6	2.2	76	0.05	0.055
1062155	Soil	1.9	32.8	37.5	120	0.3	21.5	7.5	319	2.20	9.2	0.9	3.8	2.4	38	0.6	1.7	0.3	25	0.45	0.055
1062151	Soil	1.7	45.2	61.4	121	0.5	27.0	9.0	297	2.16	8.4	1.0	2.6	3.2	32	0.6	1.9	0.3	29	0.40	0.043
1062154	Soil	1.8	44.4	40.8	124	0.4	29.4	9.4	501	2.21	8.6	1.1	2.1	3.0	45	0.8	1.9	0.3	31	0.56	0.050
1062153	Soil	1.7	39.2	52.5	160	0.2	25.7	8.7	274	2.14	7.8	0.8	1.7	4.4	29	0.7	1.7	0.3	26	0.30	0.053
1059550	Soil	2.4	26.8	26.5	146	0.3	23.4	16.0	795	3.79	15.3	0.5	1.1	2.6	13	0.8	3.4	0.4	54	0.04	0.055
1059547	Soil	2.2	23.4	31.8	143	0.2	21.0	10.1	466	3.17	18.0	0.5	1.0	2.8	14	0.9	4.1	0.4	52	0.05	0.064
1059548	Soil	2.3	28.6	41.3	166	0.2	25.1	13.3	611	3.62	21.6	0.5	2.2	3.5	19	1.1	5.1	0.4	53	0.08	0.068
1062152	Soil	1.4	42.2	48.1	128	0.3	29.1	9.6	480	2.13	7.5	1.0	2.5	4.2	34	0.9	1.7	0.3	26	0.36	0.054
1059549	Soil	2.4	23.7	24.4	115	0.2	20.5	8.4	420	3.38	15.4	0.4	1.9	0.7	7	0.2	4.1	0.3	49	0.03	0.089
1062168	Soil	1.6	17.9	21.0	71	0.1	11.8	6.0	724	1.87	9.3	0.4	1.3	0.5	13	0.5	3.0	0.4	41	0.04	0.083
1062170	Soil	1.6	17.3	14.8	70	<0.1	10.5	4.6	230	2.32	10.8	0.3	1.4	0.7	6	0.2	2.2	0.3	49	0.02	0.054
1062167	Soil	1.7	33.3	45.6	85	0.2	22.3	8.7	330	2.70	12.8	0.8	4.9	5.8	10	0.2	4.0	0.3	39	0.04	0.033
1062169	Soil	1.2	12.9	11.4	86	0.1	8.7	4.1	282	1.30	4.7	0.2	0.6	0.8	9	2.0	2.1	0.2	31	0.04	0.028
1062164	Soil	3.2	32.9	35.3	101	0.2	17.1	4.9	313	2.51	16.4	0.6	1.6	0.9	21	0.4	3.8	0.5	71	0.04	0.058
1062166	Soil	1.7	28.0	26.5	78	<0.1	24.7	8.2	302	2.53	11.6	0.7	3.6	5.0	12	0.1	3.1	0.3	52	0.03	0.020
1062162	Soil	2.6	120.0	23.6	139	0.4	33.8	15.7	604	4.65	49.3	0.7	14.8	2.3	15	0.2	4.3	0.6	64	0.04	0.055
1062163	Soil	3.9	77.0	36.7	181	1.3	41.9	11.4	446	3.99	20.5	0.9	8.3	3.6	22	0.5	4.3	0.4	92	0.04	0.047
1062160	Soil	2.5	67.9	30.7	80	0.1	16.2	14.9	770	4.00	33.5	0.7	1.5	1.1	18	0.2	8.3	0.5	42	0.03	0.070
1062165	Soil	1.9	19.6	20.4	93	0.1	17.5	6.9	523	2.52	12.3	0.5	1.2	1.6	17	0.2	2.6	0.6	62	0.05	0.077
1062159	Soil	4.3	38.2	44.6	107	0.2	23.0	8.1	552	3.47	23.9	1.2	1.7	3.6	16	0.4	4.1	0.7	90	0.06	0.056
1062161	Soil	4.2	63.6	40.9	111	0.2	24.6	9.5	413	4.45	33.9	0.8	2.1	3.6	27	0.3	4.9	1.1	70	0.04	0.057
1144256	Soil	2.7	74.1	13.9	135	0.4	26.4	6.9	286	3.51	10.5	1.2	5.3	1.9	15	0.3	1.8	0.2	36	0.05	0.050
1144261	Soil	2.4	39.9	9.5	127	0.2	21.9	4.0	249	2.08	6.8	0.5	<0.5	0.2	9	0.2	1.1	0.3	44	0.02	0.046
1144253	Soil	2.2	38.4	10.0	75	0.2	11.1	2.8	94	2.21	8.7	0.5	1.3	1.3	8	0.1	1.3	0.3	52	0.02	0.027
1144260	Soil	2.5	27.4	11.2	74	0.3	15.1	4.7	232	2.82	10.8	0.7	2.1	0.4	10	0.2	1.1	0.3	54	0.04	0.036



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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
1059537	Soil	16	38	0.48	151	0.108	2	1.54	0.007	0.19	0.3	0.08	2.4	0.3	<0.05	10	0.9	<0.2
1059546	Soil	10	15	0.09	163	0.022	1	1.15	0.011	0.04	0.2	0.01	1.0	0.1	<0.05	6	0.8	<0.2
1059541	Soil	16	17	0.15	84	0.059	2	0.59	0.006	0.11	0.2	0.03	1.4	0.1	<0.05	7	0.5	<0.2
1059544	Soil	10	17	0.28	110	0.023	2	1.18	0.013	0.06	0.2	0.03	1.0	0.1	<0.05	4	0.7	<0.2
1059543	Soil	15	32	0.40	155	0.060	1	1.95	0.008	0.14	0.3	0.03	2.4	0.2	0.05	8	1.3	<0.2
1062155	Soil	12	13	0.25	328	0.004	2	0.90	0.008	0.09	<0.1	0.09	2.2	0.1	<0.05	3	1.2	<0.2
1062151	Soil	13	17	0.26	394	0.004	4	1.02	0.009	0.12	<0.1	0.14	3.1	0.2	<0.05	3	1.1	<0.2
1062154	Soil	15	16	0.31	476	0.006	3	1.12	0.008	0.11	0.1	0.10	3.3	0.1	<0.05	3	2.0	<0.2
1062153	Soil	16	15	0.30	353	0.005	3	0.90	0.005	0.10	<0.1	0.12	2.8	0.1	<0.05	3	1.3	<0.2
1059550	Soil	18	21	0.30	252	0.012	3	1.36	0.005	0.13	0.1	0.02	2.1	0.2	<0.05	6	0.8	<0.2
1059547	Soil	18	21	0.29	216	0.020	2	1.15	0.005	0.13	0.1	0.01	1.8	0.2	<0.05	5	0.6	<0.2
1059548	Soil	19	25	0.37	281	0.019	3	1.35	0.006	0.17	0.1	0.02	2.2	0.2	<0.05	5	0.9	<0.2
1062152	Soil	21	17	0.28	358	0.004	4	1.03	0.004	0.12	<0.1	0.07	2.8	0.2	0.07	3	1.4	<0.2
1059549	Soil	16	20	0.24	105	0.007	3	1.04	0.003	0.09	<0.1	0.02	1.1	0.2	<0.05	5	1.1	<0.2
1062168	Soil	14	13	0.16	141	0.016	1	0.73	0.003	0.08	0.1	<0.01	0.7	0.2	<0.05	4	0.6	<0.2
1062170	Soil	14	12	0.11	98	0.017	2	0.78	0.005	0.07	0.1	<0.01	0.8	0.1	<0.05	5	<0.5	<0.2
1062167	Soil	19	22	0.33	164	0.008	2	1.50	0.003	0.08	0.2	0.02	2.4	0.3	0.05	4	0.8	<0.2
1062169	Soil	12	9	0.11	152	0.011	1	0.59	0.005	0.07	<0.1	<0.01	0.7	0.1	<0.05	3	0.7	<0.2
1062164	Soil	13	17	0.19	132	0.028	2	0.84	0.004	0.10	0.2	<0.01	1.0	0.2	0.08	5	1.1	<0.2
1062166	Soil	20	24	0.38	288	0.013	4	1.58	0.006	0.11	<0.1	<0.01	2.7	0.3	<0.05	5	1.1	<0.2
1062162	Soil	12	42	0.28	180	0.047	2	1.74	0.012	0.19	0.2	0.03	2.7	0.1	0.07	6	1.7	0.2
1062163	Soil	17	53	0.47	232	0.047	3	1.95	0.007	0.17	0.2	0.03	3.0	0.2	0.06	6	2.0	<0.2
1062160	Soil	13	17	0.29	151	0.022	<1	1.50	0.010	0.16	0.2	0.02	1.4	0.2	0.06	6	0.9	<0.2
1062165	Soil	14	22	0.34	119	0.033	3	1.13	0.004	0.16	0.2	0.02	1.8	0.2	<0.05	5	<0.5	<0.2
1062159	Soil	13	32	0.34	155	0.045	2	1.54	0.005	0.10	0.3	0.03	2.2	0.2	<0.05	6	1.1	<0.2
1062161	Soil	15	28	0.43	215	0.040	3	1.69	0.007	0.18	0.2	<0.01	2.3	0.2	0.10	6	1.7	<0.2
1144256	Soil	6	18	0.13	156	0.012	2	0.78	0.003	0.06	<0.1	0.05	1.9	0.1	0.06	3	3.8	<0.2
1144261	Soil	5	11	0.03	99	0.013	2	0.46	0.007	0.05	0.1	0.02	0.8	0.1	<0.05	3	1.3	<0.2
1144253	Soil	9	14	0.03	90	0.021	<1	0.49	0.002	0.04	0.2	0.04	1.1	0.1	<0.05	4	1.0	0.2
1144260	Soil	10	23	0.18	96	0.023	<1	1.06	0.004	0.05	0.2	0.03	0.9	0.1	<0.05	5	1.6	<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
1144252	Soil	2.5	154.9	22.6	64	2.0	6.8	0.9	27	5.22	10.5	1.1	13.8	1.2	15	<0.1	3.3	0.5	55	<0.01	0.079
1144254	Soil	1.5	87.9	11.1	94	0.2	18.5	4.5	162	3.21	8.8	0.9	4.6	3.2	15	0.3	1.5	0.2	48	0.05	0.047
1144257	Soil	3.0	36.6	12.7	83	1.1	16.2	4.2	317	2.44	10.1	0.9	1.7	0.2	17	0.2	1.5	0.3	52	0.03	0.081
1144255	Soil	2.7	99.0	15.7	103	1.8	21.2	5.6	195	3.83	13.6	1.1	9.1	2.2	32	0.3	2.2	0.3	55	0.04	0.060
1144258	Soil	2.1	42.1	10.5	97	0.3	22.3	8.9	636	2.47	9.6	1.1	2.3	0.4	11	0.3	1.3	0.2	44	0.04	0.047
1144259	Soil	2.1	46.8	14.4	164	<0.1	24.4	7.6	751	2.72	7.7	0.7	5.7	0.2	15	0.3	1.5	0.4	51	0.02	0.055
1144263	Soil	3.7	48.3	12.5	120	0.6	28.0	8.4	446	2.49	11.5	1.4	7.4	0.9	26	0.4	1.6	0.2	56	0.09	0.058
1144264	Soil	2.8	26.2	14.4	82	0.1	18.4	6.4	558	3.42	12.1	0.6	<0.5	1.0	14	0.1	1.1	0.3	68	0.04	0.045
1144269	Soil	3.0	35.9	16.2	91	0.3	14.8	3.6	138	2.36	13.9	0.7	1.2	1.1	16	0.1	1.7	0.4	59	0.02	0.046
1144267	Soil	1.8	48.6	8.3	108	0.1	28.7	9.3	740	2.49	8.0	0.9	3.3	1.2	10	0.2	1.2	0.2	40	0.03	0.036
1144271	Soil	2.7	47.7	6.5	106	0.7	15.7	4.2	165	2.14	7.9	0.5	2.2	0.6	11	0.2	1.3	0.3	46	0.01	0.034
1144274	Soil	12.5	32.2	27.5	33	5.5	10.3	1.7	79	1.87	6.2	2.1	16.0	0.5	49	0.4	5.9	0.2	147	0.02	0.049
1144275	Soil	2.1	47.2	10.4	85	0.2	26.2	8.7	260	2.54	10.3	0.6	4.1	3.1	11	0.3	1.2	0.2	47	0.06	0.034
1144273	Soil	2.2	16.7	9.7	32	1.3	5.5	1.6	44	1.27	6.5	0.3	3.4	0.3	13	<0.1	1.3	0.3	37	0.02	0.029
1144272	Soil	5.4	29.6	22.7	47	1.3	7.2	1.7	92	2.72	13.2	0.5	5.2	1.8	61	0.2	2.9	0.3	28	0.01	0.077
1144266	Soil	3.1	52.9	11.9	130	0.5	28.4	6.9	248	2.51	11.6	1.5	5.4	2.6	15	0.3	1.8	0.2	40	0.07	0.054
1144268	Soil	2.2	21.7	15.1	68	0.4	13.0	3.5	147	2.25	11.6	0.6	2.1	0.9	13	0.2	1.2	0.3	53	0.05	0.052
1144265	Soil	1.9	28.0	10.2	85	<0.1	21.6	6.7	220	2.15	10.6	0.8	2.0	0.9	12	0.3	1.3	0.2	43	0.08	0.048
1144262	Soil	3.2	42.0	13.8	129	0.3	20.7	5.7	236	2.62	11.9	0.8	4.4	0.3	13	0.3	1.6	0.4	47	0.03	0.051
1144270	Soil	1.9	69.6	6.4	121	0.2	21.3	4.8	105	2.41	7.7	0.5	1.8	0.5	11	0.3	1.2	0.5	31	0.02	0.035
1144282	Soil	14.8	105.3	14.1	121	0.7	22.9	6.4	180	4.21	23.4	2.1	4.6	2.4	110	0.8	3.8	0.3	75	0.04	0.119
1144285	Soil	5.9	89.3	15.7	80	4.1	16.3	4.1	113	2.54	11.3	2.2	13.6	1.5	83	0.5	3.8	0.3	88	0.08	0.103
1144284	Soil	2.6	53.0	10.9	122	4.5	28.5	8.0	215	3.17	13.5	1.0	15.8	4.0	19	0.6	2.6	0.3	61	0.16	0.083
1144283	Soil	2.5	44.8	10.5	116	4.7	26.9	7.3	203	3.07	12.9	0.9	14.5	4.0	19	0.4	2.2	0.3	56	0.16	0.081
1144281	Soil	3.2	73.5	13.1	152	1.2	28.6	6.8	185	3.45	11.2	0.5	16.1	2.6	20	0.3	2.8	0.3	49	0.04	0.046
1144280	Soil	3.0	72.1	13.1	154	1.2	29.8	7.2	190	3.54	10.6	0.5	15.2	2.6	21	0.2	2.7	0.3	49	0.04	0.043
1144279	Soil	3.1	29.8	10.5	85	1.5	15.2	6.1	785	3.11	10.2	0.5	3.8	2.3	13	0.2	1.5	0.3	60	0.04	0.037
1144278	Soil	2.3	40.1	10.6	144	0.2	33.1	8.7	253	2.51	7.8	0.5	2.4	1.4	20	0.3	1.2	0.2	37	0.04	0.059
1144276	Soil	3.3	30.6	9.4	98	0.6	18.5	5.4	188	2.93	10.9	0.7	2.2	1.7	15	0.3	1.6	0.2	47	0.05	0.052
1144277	Soil	1.9	23.1	7.2	82	0.1	14.7	3.5	112	1.62	4.9	0.4	3.4	1.4	15	0.1	0.8	0.2	31	0.04	0.031



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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
1144252	Soil	3	30	0.02	376	0.004	2	0.51	0.001	0.10	<0.1	0.27	2.7	0.2	0.07	3	6.5
1144254	Soil	7	27	0.17	186	0.014	<1	0.90	0.003	0.05	0.2	0.05	2.7	0.2	0.05	3	1.5
1144257	Soil	7	17	0.06	138	0.010	<1	0.66	0.005	0.07	<0.1	0.10	0.3	0.1	0.06	4	1.9
1144255	Soil	5	31	0.17	340	0.014	1	0.85	0.003	0.11	0.1	0.11	3.1	0.2	0.20	3	4.1
1144258	Soil	10	18	0.13	107	0.018	<1	0.91	0.003	0.05	0.2	0.04	0.9	<0.1	<0.05	4	1.7
1144259	Soil	7	18	0.04	130	0.012	2	0.66	0.002	0.05	0.1	0.02	0.7	0.1	<0.05	4	0.6
1144263	Soil	10	24	0.25	202	0.016	<1	1.18	0.003	0.07	0.2	0.12	1.6	0.2	<0.05	3	3.0
1144264	Soil	10	25	0.24	119	0.035	1	1.21	0.005	0.05	0.2	<0.01	1.7	0.1	<0.05	6	1.5
1144269	Soil	9	15	0.08	128	0.032	<1	0.60	0.003	0.06	0.2	0.02	1.2	0.2	<0.05	5	1.7
1144267	Soil	11	17	0.19	118	0.024	<1	1.01	0.003	0.04	0.2	0.05	2.1	0.1	<0.05	4	0.8
1144271	Soil	10	9	0.02	132	0.014	<1	0.50	0.004	0.05	0.2	0.02	0.8	<0.1	<0.05	4	0.9
1144274	Soil	6	33	0.06	481	0.008	3	0.48	0.003	0.18	<0.1	0.60	1.5	0.5	0.33	5	14.3
1144275	Soil	11	23	0.26	136	0.020	1	1.42	0.003	0.06	0.2	0.04	2.2	0.1	<0.05	4	1.6
1144273	Soil	8	8	0.02	132	0.014	<1	0.40	0.007	0.05	0.1	0.06	0.3	0.2	0.06	4	1.2
1144272	Soil	3	8	0.02	351	0.003	2	0.46	0.009	0.27	<0.1	0.18	1.5	0.7	0.45	2	5.4
1144266	Soil	13	20	0.25	199	0.024	<1	1.00	0.004	0.07	0.2	0.08	2.2	0.2	<0.05	3	3.0
1144268	Soil	9	19	0.18	123	0.020	<1	1.13	0.006	0.05	0.2	0.05	1.2	0.1	<0.05	6	1.2
1144265	Soil	12	18	0.24	125	0.026	2	1.00	0.004	0.04	0.2	0.02	1.2	0.1	<0.05	4	1.2
1144262	Soil	7	16	0.06	115	0.011	2	0.66	0.004	0.06	0.1	0.04	0.6	0.1	0.07	4	1.4
1144270	Soil	7	9	0.03	73	0.009	3	0.54	0.007	0.04	0.1	<0.01	1.2	<0.1	<0.05	4	0.7
1144282	Soil	6	25	0.11	585	0.009	2	0.92	0.004	0.16	<0.1	0.15	3.2	1.0	0.24	3	23.8
1144285	Soil	8	40	0.16	518	0.011	3	0.75	0.004	0.13	0.1	0.64	3.3	0.5	0.18	4	9.6
1144284	Soil	10	30	0.34	161	0.027	3	1.54	0.008	0.08	0.3	0.40	2.6	0.2	<0.05	4	2.9
1144283	Soil	10	28	0.35	140	0.026	2	1.52	0.006	0.07	0.3	0.40	2.6	0.1	<0.05	4	2.5
1144281	Soil	5	19	0.13	186	0.013	2	0.82	0.002	0.07	<0.1	0.15	2.1	0.2	<0.05	3	3.4
1144280	Soil	5	20	0.13	190	0.014	2	0.84	0.002	0.07	0.1	0.17	2.2	0.2	<0.05	3	3.8
1144279	Soil	10	20	0.10	129	0.027	2	0.95	0.004	0.06	0.2	0.10	1.5	0.2	<0.05	6	1.3
1144278	Soil	5	14	0.12	164	0.008	2	0.98	0.004	0.08	<0.1	0.07	1.7	0.3	<0.05	3	1.0
1144276	Soil	8	22	0.23	203	0.022	2	1.05	0.003	0.08	0.2	0.11	1.8	0.3	0.07	4	1.6
1144277	Soil	9	9	0.07	165	0.013	1	0.60	0.010	0.06	<0.1	0.03	1.0	0.2	<0.05	3	0.8



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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
1144209	Soil																							
1144212	Soil																							
1144210	Soil																							
1144211	Soil																							
1144213	Soil																							
1144216	Soil																							
1144217	Soil																							
1144215	Soil																							
1144214	Soil																							
1061650	Soil																							
1061647	Soil																							
1061648	Soil																							
1061649	Soil																							
1144201	Soil																							
1144202	Soil																							
1144207	Soil																							
1144208	Soil																							
1144206	Soil																							
1144205	Soil																							
1144204	Soil																							
1144203	Soil																							
1061645	Soil																							
1061646	Soil																							
1061644	Soil																							
1061643	Soil																							
1061642	Soil																							
1061641	Soil																							
1061637	Soil																							
1061638	Soil																							
1061640	Soil																							



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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
1144209	Soil	4	5	0.03	277	0.006	2	0.33	0.012	0.04	<0.1	0.06	0.6	0.2	<0.05	2	<0.5	<0.2
1144212	Soil	9	20	0.24	920	0.008	2	1.07	0.004	0.09	0.3	0.12	2.1	0.2	<0.05	3	1.2	<0.2
1144210	Soil	1	4	0.04	517	0.005	1	0.28	0.016	0.04	<0.1	0.10	0.4	<0.1	<0.05	1	<0.5	<0.2
1144211	Soil	7	12	0.10	462	0.005	3	0.62	0.003	0.06	0.2	0.04	1.3	0.2	0.05	3	0.9	<0.2
1144213	Soil	8	23	0.25	413	0.008	3	1.35	0.003	0.12	0.2	0.07	2.2	0.2	<0.05	5	1.3	<0.2
1144216	Soil	8	13	0.17	756	0.008	4	0.88	0.012	0.09	0.1	0.17	2.0	0.2	<0.05	3	0.7	<0.2
1144217	Soil	8	13	0.16	804	0.008	2	0.90	0.011	0.08	0.2	0.18	1.7	0.2	<0.05	3	0.5	<0.2
1144215	Soil	9	17	0.22	440	0.007	3	0.90	0.006	0.10	0.1	0.20	2.2	0.2	<0.05	3	0.6	<0.2
1144214	Soil	11	15	0.21	660	0.010	2	0.82	0.006	0.09	0.2	0.14	2.3	0.2	<0.05	3	1.0	<0.2
1061650	Soil	8	22	0.27	771	0.010	2	1.24	0.002	0.05	0.2	0.05	1.9	0.1	<0.05	5	<0.5	<0.2
1061647	Soil	11	23	0.21	658	0.016	2	1.39	0.003	0.05	0.2	0.04	2.8	0.1	<0.05	5	<0.5	<0.2
1061648	Soil	8	21	0.26	795	0.009	2	1.25	0.002	0.06	0.2	0.04	1.7	0.1	<0.05	5	<0.5	<0.2
1061649	Soil	10	18	0.13	189	0.013	2	0.98	0.003	0.06	0.2	0.06	1.3	0.1	0.05	5	<0.5	<0.2
1144201	Soil	3	9	0.03	497	0.014	2	0.56	0.014	0.04	0.1	0.07	0.6	0.1	0.08	2	1.4	<0.2
1144202	Soil	8	17	0.07	1440	0.018	1	0.73	0.003	0.06	0.2	0.05	1.2	0.2	0.07	5	1.5	<0.2
1144207	Soil	6	18	0.12	527	0.010	2	0.67	0.003	0.05	0.3	0.21	2.1	0.3	0.06	3	3.1	<0.2
1144208	Soil	6	14	0.11	1193	0.007	3	0.76	0.009	0.06	0.2	0.28	2.2	0.2	0.06	3	1.7	<0.2
1144206	Soil	7	15	0.13	135	0.025	2	0.71	0.007	0.04	0.2	0.05	0.9	0.1	<0.05	5	0.7	<0.2
1144205	Soil	6	12	0.06	239	0.013	1	0.78	0.010	0.04	0.2	0.05	0.6	0.1	0.05	4	<0.5	<0.2
1144204	Soil	10	19	0.13	728	0.034	1	0.80	0.002	0.05	0.2	0.07	1.6	0.2	<0.05	6	0.9	<0.2
1144203	Soil	6	11	0.03	569	0.009	2	0.72	0.010	0.04	0.1	0.03	0.5	<0.1	<0.05	4	<0.5	<0.2
1061645	Soil	11	22	0.15	826	0.016	2	1.07	0.003	0.08	0.2	0.04	2.2	0.1	<0.05	5	<0.5	<0.2
1061646	Soil	3	18	0.04	1073	0.006	2	0.67	0.004	0.05	0.1	0.19	2.1	0.1	0.12	3	0.7	<0.2
1061644	Soil	11	14	0.06	304	0.016	2	0.80	0.002	0.05	0.1	0.06	1.0	0.1	<0.05	5	<0.5	<0.2
1061643	Soil	1	15	0.01	238	<0.001	3	0.32	0.002	0.05	<0.1	0.71	2.8	0.2	<0.05	1	<0.5	<0.2
1061642	Soil	9	18	0.08	265	0.015	3	0.64	0.002	0.06	0.2	0.03	1.1	0.1	<0.05	5	<0.5	<0.2
1061641	Soil	3	16	0.06	730	0.004	2	0.71	0.002	0.06	<0.1	0.25	2.7	0.1	<0.05	2	1.8	<0.2
1061637	Soil	11	28	0.27	286	0.026	3	1.67	0.004	0.06	0.2	0.06	3.5	0.2	<0.05	4	1.2	<0.2
1061638	Soil	9	26	0.28	828	0.018	3	1.40	0.004	0.07	0.2	0.06	2.3	0.1	<0.05	4	0.7	<0.2
1061640	Soil	7	25	0.07	447	0.012	2	0.70	0.003	0.06	0.1	0.15	1.8	0.2	<0.05	5	3.0	<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
1061635	Soil	1.8	91.3	14.2	93	0.1	33.4	13.4	1073	2.91	9.6	0.5	2.8	1.8	10	0.3	0.9	0.3	49	0.04	0.039
1061636	Soil	4.9	42.4	7.8	42	<0.1	11.5	6.6	502	1.49	5.7	0.4	2.3	0.4	12	<0.1	0.5	0.2	31	0.06	0.037
1061639	Soil	1.6	60.4	8.1	103	0.2	22.6	4.4	89	2.27	6.3	0.4	6.9	0.4	21	<0.1	1.4	0.2	49	0.02	0.037
1144348	Soil	4.8	26.3	13.9	74	0.4	16.7	4.3	136	2.86	17.2	0.6	3.9	1.4	18	0.2	2.4	0.3	90	0.04	0.095
1144341	Soil	4.7	21.0	11.1	82	1.1	17.9	5.7	440	2.49	13.4	0.7	3.5	0.6	15	0.4	2.3	0.3	83	0.06	0.070
1144338	Soil	2.4	15.1	7.3	37	0.2	8.2	2.4	78	1.23	7.0	0.4	3.3	0.2	7	0.2	1.2	0.3	71	0.03	0.031
1144344	Soil	2.3	15.1	7.0	41	0.4	7.8	3.0	721	1.06	4.5	0.3	2.0	<0.1	8	0.2	1.0	0.2	46	0.02	0.028
1144345	Soil	4.2	25.8	12.3	73	0.7	19.2	5.6	157	3.50	19.4	0.7	2.1	1.2	15	0.3	2.3	0.3	79	0.05	0.065
1144347	Soil	4.7	7.8	11.9	2	0.3	3.1	0.1	2	0.15	2.1	1.3	4.5	2.4	11	<0.1	11.5	0.2	62	0.02	0.003
1144346	Soil	2.7	20.0	8.6	53	0.8	13.7	4.4	121	1.99	12.5	0.7	8.3	0.3	17	0.3	2.0	0.2	55	0.06	0.042
1144101	Soil	4.7	35.8	12.7	102	0.9	21.9	5.8	145	2.80	13.8	0.8	3.8	2.2	17	0.3	2.4	0.2	69	0.04	0.047
1144350	Soil	4.8	41.1	10.9	90	0.4	23.6	6.8	210	2.15	10.2	1.3	7.9	2.3	28	0.5	2.3	0.2	57	0.05	0.041
1144342	Soil	2.8	22.8	11.8	109	1.3	21.5	5.8	201	3.24	14.7	0.7	4.8	1.5	12	0.5	1.6	0.3	73	0.06	0.082
1144349	Soil	7.7	70.0	7.9	202	0.6	101.9	11.8	1430	2.27	18.9	2.1	4.6	2.4	56	8.7	1.9	0.1	44	0.20	0.074
1144343	Soil	4.2	23.1	13.9	69	1.0	17.9	4.6	193	3.05	21.5	0.6	2.9	1.0	15	0.2	2.3	0.4	98	0.05	0.085
1144113	Soil	3.2	305.3	27.9	225	<0.1	63.3	15.7	321	7.69	10.1	0.9	6.4	2.8	23	0.2	6.9	0.5	63	0.03	0.085
1144105	Soil	2.1	79.7	11.2	71	0.2	16.0	4.7	127	2.53	20.9	0.6	7.1	1.8	27	0.2	6.4	0.3	38	0.02	0.029
1144114	Soil	2.4	223.1	17.8	171	0.2	59.7	21.9	714	4.85	12.7	0.6	<0.5	1.6	22	0.2	14.4	0.4	37	0.02	0.036
1144103	Soil	10.2	30.6	13.4	34	0.8	4.8	0.9	23	1.85	14.7	1.1	42.5	1.3	22	<0.1	2.7	0.3	40	0.01	0.017
1144107	Soil	3.1	63.7	9.9	105	0.2	22.2	6.0	150	3.00	11.7	0.4	3.3	1.3	19	<0.1	4.1	0.2	51	0.02	0.031
1144106	Soil	2.7	92.6	14.4	74	0.2	17.7	4.3	118	2.79	11.9	0.5	2.7	2.1	12	0.1	2.6	0.7	74	0.02	0.036
1144115	Soil	1.4	495.8	24.7	386	<0.1	112.4	31.4	705	9.22	8.5	0.6	1.1	1.7	25	0.2	11.3	0.5	52	0.02	0.044
1144116	Soil	1.4	482.9	26.3	377	<0.1	105.9	29.7	693	8.79	8.0	0.6	1.1	1.9	26	0.3	12.3	0.5	53	0.02	0.045
1144339	Soil	6.3	42.5	11.4	38	2.4	10.7	2.4	69	1.66	12.6	1.6	4.2	<0.1	13	0.4	2.5	0.2	68	0.04	0.060
1144112	Soil	2.4	21.4	11.3	95	0.5	15.5	7.9	476	2.53	8.0	0.5	3.6	2.1	19	0.4	1.3	0.3	66	0.08	0.056
1144110	Soil	2.8	60.0	14.9	126	0.5	39.6	11.0	257	3.06	13.6	0.7	3.1	3.6	21	0.5	2.5	0.3	58	0.06	0.029
1144111	Soil	2.9	40.2	13.2	112	0.2	37.3	11.4	366	2.71	13.4	0.8	4.8	4.1	13	0.4	1.7	0.2	56	0.05	0.038
1144340	Soil	2.5	21.8	9.9	82	2.4	25.4	9.6	287	2.56	13.3	0.9	9.3	1.5	15	0.5	1.5	0.2	57	0.16	0.066
1144118	Soil	25.0	78.9	18.7	292	1.2	76.4	23.3	589	4.63	31.1	4.5	4.4	5.1	111	1.4	3.8	0.2	48	0.26	0.196
1144119	Soil	9.3	47.6	9.7	113	0.7	32.9	10.9	383	2.39	12.7	1.3	4.2	1.0	38	1.5	2.0	0.2	33	0.12	0.075



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1061635	Soil	6	23	0.15	1007	0.012	2	1.04	0.003	0.07	0.1	0.05	2.8	0.1	<0.05	4	0.5	<0.2
1061636	Soil	4	10	0.08	389	0.015	1	0.61	0.014	0.04	<0.1	0.01	1.2	0.1	<0.05	3	<0.5	<0.2
1061639	Soil	2	20	0.02	481	0.003	2	0.46	0.003	0.06	<0.1	0.08	1.7	<0.1	<0.05	3	2.7	<0.2
1144348	Soil	8	23	0.17	235	0.023	2	1.07	0.004	0.09	0.2	0.04	1.8	0.3	<0.05	6	1.6	<0.2
1144341	Soil	13	27	0.17	227	0.031	2	0.76	0.005	0.10	0.1	0.12	1.3	0.2	<0.05	6	1.6	<0.2
1144338	Soil	15	15	0.03	114	0.018	1	0.40	0.004	0.04	0.1	0.04	0.6	0.1	<0.05	5	<0.5	<0.2
1144344	Soil	11	10	0.02	221	0.009	<1	0.41	0.008	0.04	<0.1	0.02	0.2	0.1	<0.05	3	0.6	<0.2
1144345	Soil	10	29	0.24	240	0.027	1	1.18	0.004	0.10	0.2	0.10	1.6	0.2	<0.05	6	1.9	<0.2
1144347	Soil	<1	3	0.01	788	<0.001	5	0.24	0.002	0.10	<0.1	0.65	0.7	0.7	<0.05	<1	1.1	<0.2
1144346	Soil	10	21	0.19	269	0.018	1	0.92	0.007	0.08	0.2	0.15	0.9	0.2	<0.05	4	1.5	<0.2
1144101	Soil	9	30	0.20	390	0.019	3	1.36	0.004	0.10	0.2	0.08	2.3	0.2	<0.05	5	2.2	<0.2
1144350	Soil	9	20	0.18	1293	0.018	3	0.81	0.003	0.09	<0.1	0.10	2.5	0.3	0.06	3	2.0	<0.2
1144342	Soil	12	30	0.28	185	0.031	2	1.39	0.005	0.10	0.3	0.13	2.0	0.2	<0.05	6	1.0	<0.2
1144349	Soil	11	12	0.09	3345	0.005	4	0.94	0.004	0.10	<0.1	0.76	5.9	1.2	<0.05	1	1.6	<0.2
1144343	Soil	13	28	0.11	238	0.048	2	0.81	0.005	0.12	0.2	0.11	1.4	0.2	<0.05	8	1.4	<0.2
1144113	Soil	5	27	0.16	1615	0.006	2	1.45	0.003	0.06	<0.1	0.02	4.1	0.2	<0.05	5	1.3	<0.2
1144105	Soil	4	20	0.08	877	0.007	4	0.68	0.002	0.06	<0.1	0.07	2.6	0.1	<0.05	3	2.4	<0.2
1144114	Soil	4	16	0.09	1059	0.007	2	0.80	0.007	0.07	0.1	0.03	4.3	0.1	<0.05	3	0.6	<0.2
1144103	Soil	3	26	0.03	1093	0.001	5	0.45	0.002	0.11	<0.1	0.11	1.4	0.2	<0.05	2	8.1	<0.2
1144107	Soil	5	18	0.06	522	0.009	3	0.74	0.004	0.06	<0.1	0.02	2.3	0.1	<0.05	4	1.3	<0.2
1144106	Soil	10	24	0.06	402	0.037	2	0.62	0.002	0.07	0.2	0.02	1.7	0.2	<0.05	5	0.6	<0.2
1144115	Soil	3	20	0.08	1374	0.004	2	0.71	0.002	0.06	0.1	0.02	5.8	<0.1	<0.05	3	0.7	0.2
1144116	Soil	3	21	0.09	1486	0.005	3	0.80	0.002	0.07	<0.1	0.02	5.8	<0.1	<0.05	3	<0.5	<0.2
1144339	Soil	11	24	0.06	869	0.006	1	0.68	0.005	0.09	0.1	0.53	0.3	0.2	0.08	4	2.4	<0.2
1144112	Soil	11	26	0.21	584	0.023	2	1.43	0.007	0.08	0.2	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
1144110	Soil	10	31	0.37	782	0.024	3	1.80	0.005	0.11	0.1	0.03	3.2	0.2	<0.05	4	0.9	<0.2
1144111	Soil	12	29	0.39	424	0.023	3	1.60	0.005	0.09	0.2	0.02	3.0	0.1	<0.05	4	0.7	<0.2
1144340	Soil	18	29	0.36	191	0.035	2	1.47	0.006	0.07	0.5	0.33	1.8	0.1	<0.05	4	1.0	<0.2
1144118	Soil	10	19	0.29	1173	0.004	3	1.07	0.013	0.13	<0.1	0.83	5.3	0.7	0.10	3	4.7	<0.2
1144119	Soil	7	14	0.20	710	0.008	2	0.86	0.013	0.10	<0.1	0.21	2.1	0.3	<0.05	2	1.6	<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
1144120	Soil	8.3	46.6	11.2	101	0.9	33.7	8.7	286	1.86	9.2	1.7	5.2	1.0	73	1.4	1.3	0.2	34	0.27
1144117	Soil	3.9	157.3	13.5	168	0.2	51.2	13.1	427	3.18	11.5	1.3	6.2	3.3	28	0.3	3.9	0.3	51	0.05
1144121	Soil	8.0	55.1	14.9	153	1.1	54.9	12.5	479	2.87	12.1	2.4	6.4	3.4	93	2.5	1.9	0.2	46	0.62
1144108	Soil	2.4	51.9	13.0	125	0.8	20.1	10.5	627	3.56	10.4	0.6	1.8	2.6	13	0.3	1.7	0.3	86	0.05
1144109	Soil	3.0	79.3	12.0	125	0.2	29.7	7.8	186	3.63	15.8	0.5	4.1	1.9	20	0.1	5.1	0.2	49	0.02
1144102	Soil	5.3	62.8	12.3	108	0.7	27.8	6.4	163	2.45	10.4	1.4	8.7	2.8	23	0.2	2.3	0.2	61	0.04
1144104	Soil	2.9	52.4	11.9	96	1.0	19.8	4.4	102	3.18	12.8	0.6	6.1	2.2	25	<0.1	2.4	0.3	58	0.03
1159027	Soil	3.9	27.3	10.2	88	0.3	19.7	5.1	134	2.39	13.2	0.6	4.7	1.5	17	0.3	2.3	0.2	64	0.06
1159023	Soil	5.3	27.3	11.8	98	0.6	28.4	7.4	237	2.37	11.7	0.9	5.0	2.7	25	0.3	2.2	0.2	81	0.07
1159010	Soil	2.2	18.0	10.5	66	0.3	11.6	4.3	290	2.19	7.9	0.5	2.3	0.7	12	0.3	0.8	0.2	65	0.05
1159012	Soil	20.2	43.4	11.0	76	1.8	19.0	3.7	134	2.47	18.3	2.4	7.0	1.6	28	0.4	5.1	0.2	106	0.05
1159022	Soil	5.1	18.2	8.0	55	0.3	12.5	3.0	112	1.66	7.3	0.6	2.1	1.6	19	0.1	1.5	0.2	62	0.04
1159017	Soil	2.3	14.7	6.8	39	1.7	11.5	3.7	98	1.51	7.8	0.5	2.8	1.3	11	0.2	1.4	0.2	47	0.05
1159011	Soil	7.9	24.1	10.4	72	1.0	14.4	2.4	75	1.97	11.1	1.1	2.5	0.7	22	0.2	2.9	0.2	83	0.03
1159009	Soil	1.4	42.0	7.1	79	0.1	15.8	4.6	150	2.71	8.0	0.3	2.1	0.6	6	0.2	0.9	0.3	61	0.02
1144368	Soil	2.4	51.6	17.2	77	0.2	16.2	4.5	128	3.10	9.7	0.7	12.2	1.2	38	0.2	1.1	0.3	55	0.05
1159003	Soil	1.9	38.1	10.5	84	1.0	27.4	5.6	124	2.53	8.6	0.5	14.2	1.3	12	0.2	1.2	0.2	54	0.05
1159001	Soil	0.4	13.7	2.2	16	<0.1	2.6	1.5	43	0.57	1.2	0.2	<0.5	<0.1	7	<0.1	0.2	<0.1	20	0.03
1159008	Soil	3.4	29.5	10.5	73	0.4	15.2	4.2	164	2.71	11.0	0.6	1.5	0.3	13	0.1	1.3	0.3	75	0.02
1159002	Soil	3.6	90.1	14.3	176	0.4	51.0	7.2	108	4.01	12.5	0.4	4.8	0.5	17	0.2	1.7	0.4	64	0.03
1159005	Soil	1.0	21.4	3.7	43	0.3	10.3	2.6	42	1.33	3.6	0.2	1.4	<0.1	7	<0.1	0.5	0.2	44	0.03
1144372	Soil	0.2	6.3	1.5	9	<0.1	1.6	1.5	91	0.54	0.7	0.2	1.3	<0.1	7	<0.1	<0.1	<0.1	19	0.04
1144371	Soil	2.5	29.5	13.1	71	0.1	13.5	7.2	1033	2.84	10.9	0.6	1.5	0.5	12	0.2	1.1	0.3	70	0.04
1159007	Soil	2.1	15.9	6.8	49	<0.1	9.6	2.9	132	1.43	7.3	0.4	1.0	0.7	7	<0.1	1.0	0.2	73	0.02
1144369	Soil	2.4	42.8	12.9	96	0.2	24.9	7.2	307	2.62	10.9	0.7	7.2	0.5	14	0.3	1.1	0.3	60	0.08
1159004	Soil	0.1	3.4	0.7	7	0.2	1.1	1.1	21	0.41	<0.5	<0.1	1.2	<0.1	7	<0.1	<0.1	<0.1	16	0.04
1144370	Soil	2.5	31.2	12.3	92	0.2	18.2	5.9	489	2.49	11.1	0.7	3.1	0.2	12	0.6	1.2	0.3	64	0.05
1159006	Soil	0.3	10.0	1.8	9	0.4	2.0	1.0	34	0.38	1.2	0.1	1.5	0.1	12	<0.1	<0.1	<0.1	14	0.06
1159014	Soil	12.8	49.6	10.7	117	1.6	29.0	6.8	284	3.01	18.9	2.4	10.3	1.5	24	0.5	3.4	0.2	109	0.06
1159020	Soil	3.1	15.1	7.5	37	0.4	7.1	1.9	55	1.07	5.1	0.6	3.1	0.7	16	0.3	1.2	0.2	49	0.04



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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
1144120	Soil	6	13	0.18	813	0.004	4	0.81	0.022	0.10	<0.1	0.50	2.2	0.4	0.13	2	1.4	<0.2
1144117	Soil	9	25	0.23	1423	0.010	4	1.08	0.004	0.10	<0.1	0.13	3.9	0.2	0.08	3	1.1	<0.2
1144121	Soil	7	20	0.36	1242	0.002	5	1.09	0.005	0.12	<0.1	0.55	4.1	0.3	0.12	3	3.2	<0.2
1144108	Soil	12	35	0.16	605	0.026	3	1.63	0.004	0.07	0.2	0.08	2.4	0.2	<0.05	7	0.6	<0.2
1144109	Soil	5	24	0.11	486	0.004	4	1.05	0.003	0.07	<0.1	0.04	2.6	0.1	<0.05	3	2.2	<0.2
1144102	Soil	7	24	0.14	423	0.014	2	0.85	0.003	0.10	<0.1	0.12	2.2	0.3	0.06	3	3.4	<0.2
1144104	Soil	5	28	0.16	527	0.006	5	1.27	0.003	0.09	<0.1	0.10	2.4	0.2	<0.05	4	2.8	<0.2
1159027	Soil	8	21	0.18	344	0.017	3	1.00	0.005	0.07	0.2	0.03	1.5	0.2	<0.05	4	1.2	<0.2
1159023	Soil	10	29	0.26	354	0.025	3	1.32	0.007	0.11	0.2	0.08	2.2	0.3	<0.05	4	1.4	<0.2
1159010	Soil	8	17	0.13	179	0.014	2	1.05	0.006	0.06	0.1	0.04	1.0	0.1	<0.05	5	0.7	<0.2
1159012	Soil	9	29	0.16	329	0.022	2	0.92	0.004	0.09	0.2	0.34	2.1	0.8	0.09	4	3.2	<0.2
1159022	Soil	11	16	0.10	246	0.025	2	0.75	0.007	0.05	0.1	0.02	1.2	0.1	<0.05	4	1.2	<0.2
1159017	Soil	8	16	0.14	264	0.024	1	0.85	0.012	0.05	0.2	0.12	1.1	<0.1	<0.05	4	0.9	<0.2
1159011	Soil	9	22	0.07	354	0.018	1	0.72	0.004	0.08	0.1	0.11	1.0	0.4	0.07	6	2.3	<0.2
1159009	Soil	6	12	0.03	141	0.019	1	0.52	0.010	0.04	0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1144368	Soil	8	21	0.16	416	0.014	3	1.07	0.005	0.15	0.2	0.04	2.0	0.2	0.18	4	2.0	0.4
1159003	Soil	9	23	0.22	205	0.028	2	1.53	0.009	0.05	0.2	0.09	1.8	0.1	<0.05	5	0.8	<0.2
1159001	Soil	3	4	0.02	90	0.009	1	0.31	0.019	0.03	<0.1	0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
1159008	Soil	8	21	0.10	489	0.013	2	1.07	0.006	0.07	<0.1	0.03	1.0	0.2	<0.05	5	0.9	<0.2
1159002	Soil	9	17	0.06	238	0.018	1	1.03	0.008	0.06	0.1	0.04	1.8	0.1	<0.05	5	1.4	0.2
1159005	Soil	5	8	0.02	171	0.020	2	0.26	0.015	0.03	<0.1	0.02	0.4	<0.1	<0.05	2	<0.5	<0.2
1144372	Soil	1	3	0.03	55	0.012	<1	0.34	0.027	0.02	<0.1	0.02	0.1	<0.1	<0.05	2	<0.5	<0.2
1144371	Soil	14	22	0.10	176	0.031	3	1.13	0.005	0.07	0.2	0.04	0.9	0.1	<0.05	7	0.5	<0.2
1159007	Soil	11	13	0.06	165	0.019	1	0.65	0.007	0.05	<0.1	0.02	0.8	0.1	<0.05	4	0.6	<0.2
1144369	Soil	14	23	0.18	294	0.025	2	1.19	0.008	0.08	0.2	0.04	1.1	0.1	<0.05	4	<0.5	<0.2
1159004	Soil	<1	2	0.02	22	0.019	<1	0.14	0.026	0.02	<0.1	0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
1144370	Soil	14	22	0.13	374	0.019	2	1.26	0.006	0.09	0.1	0.04	0.6	0.1	<0.05	6	0.5	<0.2
1159006	Soil	3	4	0.04	566	0.019	<1	0.47	0.028	0.03	<0.1	0.02	0.4	<0.1	<0.05	2	<0.5	<0.2
1159014	Soil	12	37	0.28	349	0.029	3	1.45	0.005	0.12	0.2	0.38	2.6	0.6	<0.05	5	1.7	<0.2
1159020	Soil	12	13	0.03	336	0.029	1	0.49	0.009	0.06	0.1	0.03	0.7	0.1	<0.05	4	<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
1159028	Soil	3.4	17.4	7.5	55	0.3	12.1	3.7	136	1.78	8.2	0.5	2.6	1.6	16	0.2	1.4	0.1	60	0.05	0.041
1159024	Soil	5.2	30.0	11.6	100	0.6	29.8	8.4	297	2.09	11.2	1.0	8.1	2.9	24	0.5	2.2	0.2	73	0.08	0.049
1159025	Soil	2.0	21.2	5.7	31	0.6	5.0	1.6	41	0.91	3.7	0.3	<0.5	0.4	11	0.1	1.3	0.1	41	0.03	0.044
1159018	Soil	3.6	15.2	9.4	48	0.7	10.3	3.1	92	1.64	10.9	0.5	1.5	1.1	13	0.3	1.9	0.2	75	0.06	0.034
1159026	Soil	3.2	23.8	8.7	57	0.2	10.6	2.8	79	1.67	9.3	0.4	2.3	0.3	16	<0.1	1.8	0.2	70	0.05	0.044
1159019	Soil	3.2	23.1	9.7	62	0.8	15.4	4.2	107	1.98	9.9	0.6	3.3	1.7	18	0.3	1.6	0.2	64	0.05	0.044
1159013	Soil	15.7	30.2	9.7	104	0.4	15.8	2.3	70	1.79	14.2	1.2	<0.5	0.6	17	0.2	4.3	0.2	100	0.02	0.041
1159016	Soil	2.4	15.5	7.1	33	1.1	6.1	1.8	53	1.10	5.8	0.5	<0.5	0.1	10	0.3	1.4	0.2	53	0.03	0.035
1159021	Soil	7.7	10.3	11.8	50	1.5	8.1	1.3	43	0.98	10.3	0.7	4.2	0.2	33	0.2	3.1	0.2	55	0.02	0.034
1159015	Soil	0.8	5.2	2.2	14	0.2	2.3	1.1	22	0.46	1.8	0.2	<0.5	<0.1	6	<0.1	0.3	<0.1	25	0.02	0.024



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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
1159028	Soil	6	16	0.11	459	0.019	3	0.94	0.014	0.08	0.1	0.03	1.4	0.2	<0.05	4	0.9	<0.2
1159024	Soil	11	26	0.25	352	0.032	3	1.19	0.009	0.11	0.1	0.09	2.2	0.3	<0.05	4	1.2	<0.2
1159025	Soil	7	10	0.02	571	0.017	3	0.48	0.012	0.06	<0.1	0.02	0.6	0.1	<0.05	3	<0.5	<0.2
1159018	Soil	13	17	0.09	324	0.040	2	0.74	0.005	0.07	0.2	0.05	1.0	0.2	<0.05	5	<0.5	<0.2
1159026	Soil	10	17	0.05	460	0.013	3	0.57	0.005	0.09	0.1	0.02	0.7	0.2	<0.05	5	0.5	<0.2
1159019	Soil	12	20	0.14	246	0.037	2	0.83	0.007	0.09	0.2	0.07	1.4	0.2	<0.05	5	1.2	<0.2
1159013	Soil	7	15	0.03	169	0.018	<1	0.51	0.006	0.07	0.1	0.02	0.7	0.5	0.09	5	2.1	<0.2
1159016	Soil	11	12	0.03	248	0.013	<1	0.54	0.009	0.05	0.1	0.06	0.4	0.1	0.06	5	1.1	<0.2
1159021	Soil	6	10	0.02	436	0.005	3	0.38	0.005	0.11	<0.1	0.13	0.3	0.8	0.10	3	1.3	<0.2
1159015	Soil	4	5	0.02	49	0.006	<1	0.24	0.018	0.02	<0.1	<0.01	<0.1	<0.1	<0.05	2	<0.5	<0.2



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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	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																					
1144088	Soil	3.2	39.6	11.6	65	0.6	10.6	3.2	93	2.40	14.4	0.4	2.2	1.3	14	0.2	4.2	0.3	56	0.03	0.035
REP 1144088	QC	2.9	40.3	11.6	66	0.6	11.4	3.2	94	2.49	14.3	0.4	2.4	1.4	15	0.2	4.1	0.3	58	0.03	0.035
1144066	Soil	4.6	37.5	19.3	51	0.7	12.6	2.5	96	3.10	14.1	0.9	8.7	2.8	67	0.4	2.1	0.3	45	0.03	0.066
REP 1144066	QC	4.7	38.1	19.9	52	0.8	12.7	2.6	98	3.12	14.3	0.9	9.0	3.0	66	0.5	2.2	0.3	46	0.03	0.068
1058758	Soil	5.3	30.4	17.2	113	0.2	44.5	15.2	455	3.49	17.7	1.3	0.6	7.1	25	0.7	0.8	0.3	20	0.54	0.191
REP 1058758	QC	5.0	27.4	16.5	103	0.2	43.7	14.2	435	3.30	17.0	1.2	1.4	6.8	24	0.6	0.8	0.2	18	0.51	0.185
1058763	Soil	3.6	73.2	19.0	221	3.7	85.2	17.1	258	4.01	15.7	1.1	14.9	5.1	21	1.4	1.7	0.2	16	0.31	0.112
REP 1058763	QC	3.6	71.0	18.9	219	3.7	82.9	16.2	255	3.75	14.9	1.0	12.7	5.1	21	1.4	1.7	0.2	16	0.31	0.108
1059541	Soil	2.7	18.1	13.9	31	<0.1	6.4	3.0	281	1.66	13.0	0.7	2.2	1.7	7	0.2	1.3	1.1	61	0.04	0.040
REP 1059541	QC	2.8	18.4	15.1	33	<0.1	6.1	2.9	287	1.67	14.0	0.8	1.9	1.6	8	0.2	1.3	1.1	59	0.04	0.042
1062159	Soil	4.3	38.2	44.6	107	0.2	23.0	8.1	552	3.47	23.9	1.2	1.7	3.6	16	0.4	4.1	0.7	90	0.06	0.056
REP 1062159	QC	4.2	36.2	43.8	103	0.2	23.1	7.7	521	3.31	23.1	1.1	7.7	3.3	15	0.4	4.1	0.7	86	0.05	0.054
1144275	Soil	2.1	47.2	10.4	85	0.2	26.2	8.7	260	2.54	10.3	0.6	4.1	3.1	11	0.3	1.2	0.2	47	0.06	0.034
REP 1144275	QC	1.9	46.8	10.4	85	0.2	25.6	8.6	267	2.54	9.9	0.6	3.5	3.2	11	0.3	1.1	0.2	47	0.05	0.034
1144209	Soil	2.5	14.2	4.8	36	0.3	9.3	2.9	85	0.88	4.9	0.4	1.9	0.2	8	0.1	0.5	0.1	21	0.03	0.034
REP 1144209	QC	2.6	14.0	5.1	38	0.3	9.6	2.9	89	0.92	5.6	0.4	2.6	0.2	9	0.1	0.6	0.1	22	0.03	0.035
1144214	Soil	3.7	48.5	11.0	125	0.5	31.2	8.8	440	2.21	13.2	1.0	4.3	1.6	26	0.8	1.6	0.3	36	0.25	0.116
REP 1144214	QC	3.7	50.8	10.9	123	0.5	31.6	8.9	444	2.13	13.4	0.9	5.0	1.7	26	1.0	1.6	0.3	37	0.25	0.125
1144346	Soil	2.7	20.0	8.6	53	0.8	13.7	4.4	121	1.99	12.5	0.7	8.3	0.3	17	0.3	2.0	0.2	55	0.06	0.042
REP 1144346	QC	2.6	19.0	8.4	49	0.8	14.0	4.3	118	2.02	12.0	0.6	8.0	0.3	17	0.3	2.0	0.2	55	0.06	0.043
1144113	Soil	3.2	305.3	27.9	225	<0.1	63.3	15.7	321	7.69	10.1	0.9	6.4	2.8	23	0.2	6.9	0.5	63	0.03	0.085
REP 1144113	QC	3.1	296.9	29.7	222	0.1	61.7	15.7	316	7.60	9.9	1.0	5.4	2.9	25	0.3	7.4	0.5	62	0.02	0.080
1144121	Soil	8.0	55.1	14.9	153	1.1	54.9	12.5	479	2.87	12.1	2.4	6.4	3.4	93	2.5	1.9	0.2	46	0.62	0.096
REP 1144121	QC	8.0	53.3	15.2	150	1.1	54.4	12.0	476	2.80	12.4	2.4	6.2	3.5	93	2.4	1.8	0.2	45	0.60	0.100
1159018	Soil	3.6	15.2	9.4	48	0.7	10.3	3.1	92	1.64	10.9	0.5	1.5	1.1	13	0.3	1.9	0.2	75	0.06	0.034
REP 1159018	QC	3.5	15.7	9.7	50	0.7	10.5	3.1	98	1.69	10.9	0.5	0.6	1.1	13	0.3	1.9	0.2	77	0.06	0.034
Reference Materials																					
STD DS8	Standard	13.8	110.4	134.2	333	1.9	41.4	8.1	628	2.54	27.3	2.9	110.0	7.1	65	2.4	5.6	6.8	48	0.72	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
Pulp Duplicates																		
1144088	Soil	10	15	0.04	400	0.018	<1	0.64	0.007	0.07	0.1	0.03	1.3	0.1	<0.05	4	1.2	<0.2
REP 1144088	QC	10	16	0.04	415	0.018	1	0.69	0.008	0.07	0.1	0.03	1.5	0.1	<0.05	4	1.0	<0.2
1144066	Soil	6	19	0.12	393	0.008	3	0.76	0.005	0.30	<0.1	0.21	2.7	0.6	0.47	3	5.8	<0.2
REP 1144066	QC	6	20	0.13	369	0.008	2	0.79	0.005	0.31	<0.1	0.22	2.7	0.6	0.51	3	5.5	<0.2
1058758	Soil	14	19	0.52	388	0.003	3	1.19	0.004	0.09	<0.1	0.18	5.4	0.4	<0.05	3	0.6	<0.2
REP 1058758	QC	13	18	0.51	371	0.003	2	1.11	0.004	0.09	<0.1	0.18	5.4	0.4	<0.05	3	<0.5	<0.2
1058763	Soil	8	24	0.32	400	<0.001	2	0.65	0.004	0.08	<0.1	0.35	5.6	0.2	<0.05	2	5.7	<0.2
REP 1058763	QC	8	23	0.31	405	<0.001	2	0.65	0.003	0.08	<0.1	0.36	5.2	0.2	<0.05	1	5.5	<0.2
1059541	Soil	16	17	0.15	84	0.059	2	0.59	0.006	0.11	0.2	0.03	1.4	0.1	<0.05	7	0.5	<0.2
REP 1059541	QC	17	18	0.15	84	0.071	3	0.63	0.006	0.12	0.3	0.03	1.4	0.1	<0.05	6	0.7	<0.2
1062159	Soil	13	32	0.34	155	0.045	2	1.54	0.005	0.10	0.3	0.03	2.2	0.2	<0.05	6	1.1	<0.2
REP 1062159	QC	13	30	0.32	148	0.042	<1	1.48	0.005	0.10	0.3	0.03	2.1	0.2	<0.05	6	1.5	<0.2
1144275	Soil	11	23	0.26	136	0.020	1	1.42	0.003	0.06	0.2	0.04	2.2	0.1	<0.05	4	1.6	<0.2
REP 1144275	QC	10	23	0.26	136	0.019	2	1.40	0.003	0.06	0.2	0.05	2.1	0.1	<0.05	4	1.1	0.2
1144209	Soil	4	5	0.03	277	0.006	2	0.33	0.012	0.04	<0.1	0.06	0.6	0.2	<0.05	2	<0.5	<0.2
REP 1144209	QC	4	6	0.03	303	0.005	2	0.34	0.011	0.04	0.1	0.06	0.6	0.2	<0.05	2	<0.5	<0.2
1144214	Soil	11	15	0.21	660	0.010	2	0.82	0.006	0.09	0.2	0.14	2.3	0.2	<0.05	3	1.0	<0.2
REP 1144214	QC	11	15	0.21	677	0.009	2	0.82	0.007	0.09	0.2	0.14	2.4	0.2	0.06	2	0.6	<0.2
1144346	Soil	10	21	0.19	269	0.018	1	0.92	0.007	0.08	0.2	0.15	0.9	0.2	<0.05	4	1.5	<0.2
REP 1144346	QC	10	21	0.19	272	0.018	2	0.96	0.007	0.07	0.2	0.16	0.9	0.1	<0.05	4	1.6	<0.2
1144113	Soil	5	27	0.16	1615	0.006	2	1.45	0.003	0.06	<0.1	0.02	4.1	0.2	<0.05	5	1.3	<0.2
REP 1144113	QC	5	28	0.16	1826	0.007	3	1.48	0.003	0.07	0.1	0.02	4.4	0.3	<0.05	5	1.0	<0.2
1144121	Soil	7	20	0.36	1242	0.002	5	1.09	0.005	0.12	<0.1	0.55	4.1	0.3	0.12	3	3.2	<0.2
REP 1144121	QC	7	19	0.39	1256	0.002	4	1.08	0.005	0.11	<0.1	0.58	4.1	0.4	0.13	3	2.3	<0.2
1159018	Soil	13	17	0.09	324	0.040	2	0.74	0.005	0.07	0.2	0.05	1.0	0.2	<0.05	5	<0.5	<0.2
REP 1159018	QC	13	18	0.08	322	0.044	2	0.72	0.005	0.08	0.2	0.06	1.1	0.1	<0.05	5	0.7	<0.2
Reference Materials																		
STD DS8	Standard	16	121	0.63	298	0.118	2	0.96	0.093	0.42	3.1	0.22	2.2	5.8	0.17	5	5.4	4.8



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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	12.1	96.0	115.1	276	1.5	32.4	6.7	547	2.17	22.9	2.6	94.7	6.4	61	2.0	5.3	6.2	36	0.61	0.070
STD DS8	Standard	12.3	107.2	124.0	310	1.8	37.1	7.7	595	2.40	25.5	2.5	120.1	6.2	59	2.4	5.5	6.6	42	0.65	0.078
STD DS8	Standard	13.1	113.7	125.9	323	1.9	38.7	7.7	607	2.57	26.2	2.8	125.4	6.6	64	2.7	5.9	6.8	42	0.67	0.082
STD DS8	Standard	14.8	110.9	125.7	318	1.8	40.3	7.9	639	2.52	25.8	3.2	117.5	7.9	77	2.3	6.0	6.9	44	0.74	0.082
STD DS8	Standard	15.0	123.0	125.3	319	1.8	42.9	8.7	670	2.60	24.9	2.9	119.2	7.4	69	2.4	5.4	6.4	50	0.74	0.080
STD DS8	Standard	11.2	96.0	116.4	296	1.6	34.8	6.9	521	2.29	21.3	2.5	108.2	6.0	57	1.7	5.3	5.6	36	0.62	0.068
STD DS8	Standard	14.3	114.9	123.4	315	1.8	40.3	8.0	629	2.48	25.1	2.8	114.0	6.7	65	2.4	5.6	6.6	47	0.70	0.083
STD DS8	Standard	12.3	108.7	126.6	315	1.8	38.7	7.3	603	2.49	25.1	2.6	114.5	6.3	57	2.3	5.4	6.7	40	0.68	0.078
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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		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
STD DS8	Standard	13	101	0.55	255	0.099	1	0.82	0.084	0.33	2.8	0.18	2.1	4.7	0.13	4	5.1	4.8
STD DS8	Standard	13	114	0.63	278	0.103	4	0.88	0.086	0.40	2.9	0.21	2.2	5.4	0.11	5	5.3	5.3
STD DS8	Standard	15	118	0.63	280	0.115	3	0.92	0.083	0.42	3.1	0.21	2.2	5.7	0.17	5	5.3	5.3
STD DS8	Standard	20	122	0.65	298	0.131	1	0.97	0.097	0.43	2.8	0.21	2.2	5.6	0.13	5	5.2	5.3
STD DS8	Standard	18	112	0.63	289	0.114	3	0.98	0.091	0.43	3.3	0.19	2.5	5.3	0.22	5	5.6	5.1
STD DS8	Standard	14	104	0.54	256	0.102	3	0.82	0.077	0.37	3.3	0.16	2.4	5.2	0.16	5	6.2	6.0
STD DS8	Standard	16	122	0.62	279	0.122	3	0.91	0.094	0.41	2.8	0.18	2.3	5.4	0.14	5	4.7	5.1
STD DS8	Standard	13	117	0.61	243	0.098	3	0.88	0.084	0.41	2.7	0.18	2.0	5.7	0.14	4	5.6	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



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Client: **Ryan Gold Corp.**
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Submitted By: Mike Skead
Receiving Lab: Canada-Whitehorse
Received: August 05, 2011
Report Date: September 03, 2011
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CERTIFICATE OF ANALYSIS

WHI11001012.1

CLIENT JOB INFORMATION

Project: PDM
Shipment ID:
P.O. Number
Number of Samples: 227

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	227	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	227	Dry at 60C			VAN
1DX2	227	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

WHI11001012.1

	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 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
1144367	Soil		8.4	132.6	56.5	333	2.1	92.3	24.2	1079	9.14	45.8	0.9	67.1	2.8	17	0.7	5.5	0.4	45	0.02
1144363	Soil		12.5	93.8	26.2	191	0.6	38.8	13.4	312	4.25	21.3	3.3	18.9	0.6	86	0.8	3.5	0.4	54	0.05
1144364	Soil		2.2	61.1	16.5	142	0.2	30.6	13.0	1070	3.93	11.0	1.0	6.9	0.3	10	0.3	1.6	0.3	50	0.04
1144360	Soil		7.4	161.7	22.7	224	1.1	39.6	13.1	482	9.55	19.3	2.7	24.9	1.4	41	0.2	3.4	0.4	52	0.02
1144359	Soil		6.3	158.5	55.8	378	2.0	112.1	29.8	1618	9.10	34.3	0.9	70.5	3.0	17	0.7	4.4	0.3	40	0.02
1144361	Soil		3.0	59.1	17.3	148	0.3	29.3	10.8	422	5.07	12.8	1.1	4.7	2.0	13	0.3	1.4	0.3	53	0.06
1144358	Soil		6.7	252.7	28.1	954	4.4	206.1	53.1	1567	7.60	11.9	7.3	33.4	3.1	82	1.8	2.9	0.3	62	0.03
1144366	Soil		2.3	84.4	10.4	215	0.6	40.2	9.3	230	3.08	5.6	0.7	9.4	0.7	11	0.2	1.4	0.2	23	0.03
1144362	Soil		4.3	60.7	17.3	119	0.3	19.9	8.2	967	3.53	8.9	1.3	3.2	<0.1	9	0.2	1.2	0.4	50	0.03
1144365	Soil		2.4	92.2	12.2	241	0.7	41.8	9.3	208	3.70	6.1	1.0	16.2	0.9	16	0.1	1.8	0.2	22	0.03
1157245	Soil		2.8	100.5	14.7	118	0.2	27.1	5.4	254	3.80	12.2	0.8	4.2	0.6	29	<0.1	1.7	0.4	101	0.02
1157244	Soil		5.4	67.2	27.2	119	4.0	21.5	6.1	195	3.58	15.0	2.3	17.5	0.3	75	0.3	2.2	0.4	81	0.04
1157241	Soil		1.8	158.2	16.2	460	1.1	99.1	22.8	960	6.74	7.9	1.0	7.6	0.7	17	0.3	1.9	0.4	66	0.02
1157243	Soil		1.7	112.7	22.9	173	0.2	45.6	19.6	489	4.73	6.1	1.0	12.2	0.2	9	0.5	1.1	0.4	39	0.04
1157240	Soil		2.0	42.2	10.4	60	0.2	14.4	4.0	106	2.37	11.4	0.5	4.0	2.0	11	<0.1	1.9	0.4	83	0.02
1157242	Soil		2.0	313.4	12.7	343	0.2	106.6	23.9	642	5.63	7.6	1.8	16.9	2.8	41	0.7	1.6	0.2	45	0.09
1157239	Soil		1.1	110.0	9.8	198	0.4	53.6	18.8	1454	3.50	6.0	1.0	5.4	0.3	41	0.4	1.0	0.2	62	0.04
1157238	Soil		2.6	49.2	37.5	144	6.3	23.1	4.1	150	3.51	12.7	0.5	18.0	0.6	47	0.1	5.9	0.5	119	0.03
1157237	Soil		10.6	375.4	15.7	247	4.5	50.4	2.3	19	2.57	16.3	11.0	10.3	2.3	98	<0.1	4.0	0.3	56	0.03
1157235	Soil		5.6	25.8	16.0	52	1.9	15.8	4.4	155	2.44	11.0	1.3	12.5	0.5	37	0.2	2.5	0.2	88	0.12
1157236	Soil		1.9	27.1	10.1	61	1.0	16.0	3.8	124	3.14	13.1	0.8	19.0	3.0	24	0.1	1.5	0.3	54	0.09
1157232	Soil		1.9	32.9	12.1	47	0.3	13.7	3.4	103	2.78	9.2	0.6	5.9	2.8	27	<0.1	1.3	0.3	55	0.05
1157234	Soil		1.5	162.5	11.4	64	0.1	19.7	4.2	100	3.72	10.7	1.0	7.4	0.7	47	0.1	1.3	0.4	85	0.04
1144356	Soil		0.8	55.4	12.8	225	3.1	38.0	5.3	867	2.08	2.3	0.5	10.1	0.1	27	0.4	1.3	0.1	34	0.15
1144351	Soil		3.0	45.6	14.7	149	0.3	27.9	7.0	229	3.41	14.1	0.8	6.5	1.0	14	0.3	1.7	0.3	54	0.03
1157249	Soil		1.4	48.3	12.2	234	0.1	45.6	13.2	948	3.48	6.1	0.5	2.8	0.9	17	1.2	1.0	0.3	41	0.02
1144355	Soil		2.0	89.2	10.7	663	<0.1	102.3	30.0	2558	5.76	6.8	0.5	3.4	1.8	11	<0.1	1.5	0.4	42	0.02
1157248	Soil		2.0	72.4	20.2	157	0.3	50.0	17.2	471	4.20	12.9	0.9	7.1	0.8	14	0.4	1.8	0.3	47	0.04
1144353	Soil		4.3	77.3	22.2	80	6.3	15.4	1.7	50	2.27	10.8	1.7	10.6	0.6	92	<0.1	2.1	0.2	74	0.01
1157247	Soil		2.3	43.2	13.3	97	2.9	25.7	5.2	159	3.30	8.9	1.4	9.3	2.5	47	0.3	1.8	0.2	80	0.09



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Report Date:

September 03, 2011

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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	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
1144367	Soil	10	20	0.11	438	0.010	4	0.71	0.003	0.23	<0.1	0.62	7.7	0.6	0.21	3	7.6	<0.2
1144363	Soil	13	22	0.18	511	0.009	5	1.14	0.005	0.20	<0.1	0.36	1.9	0.4	0.25	4	4.0	0.2
1144364	Soil	12	24	0.22	149	0.017	4	1.28	0.003	0.08	0.1	0.05	1.3	0.2	<0.05	5	1.1	<0.2
1144360	Soil	9	27	0.15	242	0.007	3	1.29	0.007	0.31	<0.1	0.33	4.3	0.4	0.62	5	3.1	<0.2
1144359	Soil	11	20	0.14	510	0.011	3	0.79	0.004	0.23	<0.1	0.55	9.3	0.5	0.21	3	7.2	<0.2
1144361	Soil	10	30	0.34	155	0.028	2	1.93	0.004	0.10	0.2	0.08	2.9	0.2	0.06	6	2.1	<0.2
1144358	Soil	16	28	0.16	1065	0.005	4	1.71	0.004	0.20	<0.1	0.45	8.4	0.3	0.11	4	5.3	<0.2
1144366	Soil	4	11	0.09	133	0.005	1	0.48	0.002	0.06	<0.1	0.11	1.7	0.1	0.09	2	1.8	<0.2
1144362	Soil	10	19	0.06	206	0.007	4	1.04	0.006	0.12	<0.1	0.12	0.6	0.2	0.10	5	1.2	<0.2
1144365	Soil	6	12	0.09	131	0.007	2	0.56	0.002	0.09	<0.1	0.17	1.9	0.2	0.06	2	2.2	0.3
1157245	Soil	10	30	0.06	192	0.026	2	0.85	0.003	0.09	0.1	0.05	1.8	0.2	<0.05	6	1.5	<0.2
1157244	Soil	7	44	0.10	408	0.007	2	0.87	0.004	0.20	<0.1	0.32	1.6	0.4	0.29	5	3.4	0.3
1157241	Soil	6	22	0.07	194	0.005	4	0.95	0.003	0.14	<0.1	0.10	3.8	0.2	<0.05	5	3.1	0.3
1157243	Soil	10	26	0.24	162	0.006	2	1.33	0.003	0.10	<0.1	0.06	0.8	0.1	<0.05	4	1.6	<0.2
1157240	Soil	11	21	0.07	127	0.023	2	0.76	0.002	0.06	0.2	0.02	1.5	0.2	<0.05	7	1.1	<0.2
1157242	Soil	9	26	0.27	171	0.019	2	1.80	0.005	0.08	0.2	0.08	5.6	0.1	<0.05	3	1.4	0.2
1157239	Soil	4	18	0.07	197	0.007	3	0.94	0.011	0.11	<0.1	0.07	2.0	0.2	0.07	3	1.6	<0.2
1157238	Soil	7	36	0.07	177	0.014	3	0.66	0.003	0.12	<0.1	0.34	1.5	0.3	0.12	7	2.4	0.5
1157237	Soil	6	24	0.06	446	0.006	3	0.60	0.004	0.31	<0.1	0.89	4.0	0.3	0.39	3	15.3	<0.2
1157235	Soil	11	36	0.23	484	0.014	2	1.03	0.005	0.13	0.2	0.29	1.6	0.3	0.21	6	7.5	<0.2
1157236	Soil	10	36	0.23	387	0.018	2	1.35	0.004	0.08	0.3	0.16	3.1	0.1	<0.05	4	1.5	<0.2
1157232	Soil	10	27	0.17	343	0.035	2	0.87	0.004	0.09	0.2	0.04	5.2	0.2	<0.05	5	2.4	<0.2
1157234	Soil	11	47	0.16	399	0.010	3	1.43	0.003	0.10	0.1	0.13	2.1	0.2	0.07	6	2.6	<0.2
1144356	Soil	6	11	0.06	879	0.012	3	0.61	0.027	0.06	<0.1	0.28	1.5	<0.1	0.05	2	2.1	<0.2
1144351	Soil	9	23	0.16	125	0.015	1	1.11	0.003	0.07	0.2	0.06	1.6	0.2	<0.05	5	2.7	<0.2
1157249	Soil	7	16	0.10	125	0.012	2	0.98	0.004	0.08	0.1	0.03	2.4	0.1	<0.05	4	1.0	<0.2
1144355	Soil	9	15	0.05	125	0.015	2	0.66	0.003	0.10	<0.1	0.04	4.1	0.1	<0.05	5	1.2	<0.2
1157248	Soil	12	25	0.29	159	0.026	2	1.31	0.005	0.11	0.2	0.13	2.0	0.2	0.08	5	2.2	<0.2
1144353	Soil	4	37	0.05	428	0.005	4	0.63	0.004	0.24	<0.1	0.22	2.0	0.3	0.33	4	6.1	<0.2
1157247	Soil	10	35	0.16	316	0.019	2	1.23	0.004	0.09	0.2	0.25	2.3	0.2	0.10	5	5.3	<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 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
1144352	Soil	4.8	90.1	23.6	60	7.0	12.4	1.2	33	2.60	11.0	2.2	8.8	1.0	155	0.3	2.0	0.3	72	0.02	0.061
1157246	Soil	1.8	55.9	10.2	116	0.3	24.6	5.4	124	2.85	6.7	0.5	3.2	0.4	12	<0.1	1.1	0.3	60	0.02	0.043
1157250	Soil	4.4	58.9	14.7	163	0.9	30.7	6.0	163	3.59	13.0	1.3	7.0	2.0	23	0.3	2.1	0.3	70	0.05	0.042
1144357	Soil	12.5	132.0	28.9	328	0.7	94.2	20.5	1601	5.00	16.5	2.6	11.8	2.0	24	1.0	3.5	0.3	62	0.05	0.064
1144354	Soil	3.6	62.5	15.0	185	1.1	41.5	14.0	1091	3.71	13.2	1.4	6.7	0.9	21	0.4	1.7	0.3	65	0.11	0.077
1157121	Soil	1.6	41.6	10.9	70	0.3	14.1	3.3	107	2.03	5.8	0.4	5.1	0.7	9	<0.1	1.0	0.3	60	0.03	0.023
1157118	Soil	2.6	36.4	12.2	100	0.3	19.2	5.3	148	2.95	11.0	0.5	2.2	2.0	10	0.2	1.4	0.3	55	0.04	0.035
1157119	Soil	2.4	34.6	17.0	53	1.8	11.1	2.6	84	2.19	14.2	0.6	4.7	1.3	14	<0.1	1.8	0.4	82	0.02	0.047
1157117	Soil	4.3	22.8	15.4	62	1.9	15.7	4.8	158	2.93	14.6	0.6	8.0	1.2	11	0.3	1.8	0.2	67	0.05	0.040
1157120	Soil	2.3	41.1	11.4	78	3.1	18.2	4.0	164	3.38	11.4	0.9	8.0	2.1	61	0.3	1.7	0.2	79	0.33	0.225
1157126	Soil	2.7	43.3	10.4	104	0.7	23.9	8.6	283	2.61	9.6	0.8	5.5	0.4	27	0.3	1.4	0.2	42	0.06	0.099
1157127	Soil	2.4	22.5	10.1	39	0.8	9.9	2.0	36	1.12	5.5	0.4	1.8	0.1	13	0.5	1.1	0.2	47	0.03	0.047
1157128	Soil	3.2	35.7	9.3	95	1.3	16.9	4.1	75	2.15	8.0	0.4	4.1	0.2	13	0.2	1.9	0.2	80	0.03	0.047
1157125	Soil	2.9	62.5	11.1	154	0.8	28.6	7.2	160	2.89	9.7	0.6	5.9	0.2	20	0.3	1.7	0.3	54	0.02	0.065
1157123	Soil	8.3	80.4	18.4	222	2.2	27.1	5.6	292	6.80	22.4	1.1	2.0	3.6	117	0.6	4.3	0.3	66	0.03	0.156
1157122	Soil	4.6	141.0	17.2	263	1.3	45.9	15.1	451	5.28	13.5	1.5	2.6	3.1	40	2.3	2.3	0.2	53	0.04	0.104
1157124	Soil	7.0	70.7	18.5	173	1.1	30.5	6.8	200	4.20	11.6	1.5	1.9	2.7	35	0.3	2.7	0.2	49	0.03	0.110
1061922	Soil	1.8	16.9	7.3	36	0.4	7.0	1.9	40	1.08	4.7	0.3	1.7	0.2	12	0.2	0.8	0.2	34	0.03	0.032
1061920	Soil	3.3	54.0	17.5	59	0.8	15.7	3.3	76	1.67	8.5	0.7	3.7	0.5	15	0.4	2.3	0.4	84	0.04	0.063
1061921	Soil	2.8	19.7	9.6	51	0.3	10.1	2.6	62	1.54	7.3	0.4	2.9	0.3	13	0.2	1.4	0.2	57	0.02	0.034
1061919	Soil	1.3	111.4	18.4	171	0.4	79.5	17.5	589	3.01	4.8	0.9	2.6	0.7	21	0.8	1.0	0.4	49	0.04	0.078
1061918	Soil	2.0	66.5	15.9	83	0.2	25.7	6.5	123	2.48	9.6	0.4	1.1	2.1	12	0.2	1.5	0.3	64	0.05	0.038
1061917	Soil	1.5	42.7	10.6	70	0.2	18.2	4.9	104	2.06	8.9	0.5	3.7	1.7	11	0.2	1.2	0.2	50	0.04	0.029
1061916	Soil	1.0	136.7	22.1	88	0.5	15.8	6.0	212	3.71	15.2	0.8	3.9	1.3	28	0.2	1.5	0.4	58	0.02	0.072
1157135	Soil	2.0	46.4	7.0	74	0.7	12.9	3.8	52	1.92	9.8	0.3	2.9	0.3	10	<0.1	2.0	0.2	61	0.03	0.040
1157134	Soil	2.3	25.0	10.1	64	0.6	14.6	4.0	117	2.26	11.4	0.5	7.2	2.0	10	0.2	2.0	0.2	57	0.06	0.044
1157133	Soil	3.9	55.3	11.2	156	1.0	31.2	8.0	191	3.51	12.8	0.8	5.8	1.7	19	0.5	2.9	0.3	52	0.04	0.051
1157131	Soil	6.5	27.1	11.5	101	1.3	16.9	4.1	92	2.76	16.8	0.9	6.0	0.5	48	0.2	4.0	0.2	63	0.04	0.087
1157132	Soil	6.7	27.9	11.7	100	1.2	16.5	4.3	94	2.68	16.4	0.8	5.1	0.4	47	0.2	4.0	0.2	61	0.04	0.082
1157129	Soil	3.2	47.1	12.5	146	1.1	29.5	7.7	197	3.70	10.1	0.6	1.0	0.6	21	0.2	1.5	0.2	41	0.03	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
1144352	Soil	4	43	0.04	295	0.003	3	0.57	0.005	0.32	<0.1	0.26	2.7	0.6	0.56	4	8.2	<0.2
1157246	Soil	6	15	0.04	163	0.010	2	0.71	0.007	0.08	0.1	0.05	1.2	0.1	<0.05	5	1.7	<0.2
1157250	Soil	13	25	0.17	251	0.019	2	1.19	0.003	0.09	0.1	0.11	1.9	0.2	<0.05	6	3.1	<0.2
1144357	Soil	17	29	0.41	683	0.008	6	1.55	0.003	0.32	<0.1	0.43	4.1	0.3	<0.05	6	3.1	0.3
1144354	Soil	15	31	0.36	212	0.025	2	1.53	0.007	0.12	0.2	0.06	2.0	0.2	0.08	5	3.9	<0.2
1157121	Soil	8	16	0.08	111	0.014	2	0.71	0.007	0.06	0.2	0.03	1.1	0.1	<0.05	5	1.5	<0.2
1157118	Soil	8	18	0.14	105	0.028	1	0.85	0.003	0.06	0.2	0.04	1.5	0.1	0.07	5	2.0	<0.2
1157119	Soil	7	21	0.05	168	0.028	1	0.36	0.002	0.06	0.2	0.20	1.7	0.1	0.07	6	2.3	<0.2
1157117	Soil	7	31	0.21	140	0.026	<1	1.10	0.003	0.08	0.2	0.29	1.5	0.2	0.11	6	4.4	<0.2
1157120	Soil	7	37	0.15	276	0.023	<1	1.11	0.004	0.08	0.3	0.25	2.7	0.2	0.11	6	3.6	<0.2
1157126	Soil	7	18	0.15	177	0.011	<1	0.86	0.008	0.07	0.1	0.10	1.0	0.3	0.09	4	2.3	<0.2
1157127	Soil	7	17	0.01	182	0.008	<1	0.39	0.006	0.04	<0.1	0.08	0.5	<0.1	0.06	3	1.6	<0.2
1157128	Soil	9	19	0.02	141	0.007	<1	0.38	0.003	0.06	0.1	0.06	0.5	<0.1	<0.05	4	2.2	<0.2
1157125	Soil	5	15	0.05	155	0.008	<1	0.75	0.006	0.05	0.1	0.08	0.9	0.1	<0.05	4	2.6	<0.2
1157123	Soil	6	33	0.17	245	0.006	2	1.04	0.034	0.27	<0.1	0.45	2.6	1.1	0.52	4	9.9	<0.2
1157122	Soil	5	23	0.14	649	0.006	1	0.69	0.003	0.17	<0.1	0.13	4.7	0.7	0.20	3	7.2	0.2
1157124	Soil	6	19	0.13	323	0.012	1	0.79	0.008	0.13	0.1	0.14	3.1	1.1	0.19	4	4.9	<0.2
1061922	Soil	5	9	0.03	172	0.007	<1	0.54	0.007	0.05	<0.1	0.03	0.5	0.1	<0.05	3	1.2	<0.2
1061920	Soil	7	18	0.03	224	0.005	<1	0.61	0.003	0.08	0.2	0.08	1.2	0.1	0.07	4	1.7	0.3
1061921	Soil	8	13	0.03	206	0.011	<1	0.42	0.003	0.06	0.1	0.02	0.5	0.1	<0.05	4	1.2	<0.2
1061919	Soil	5	16	0.04	325	0.005	<1	0.88	0.004	0.07	0.1	0.06	2.6	0.1	<0.05	3	1.0	<0.2
1061918	Soil	10	16	0.09	215	0.026	<1	0.72	0.004	0.05	0.2	0.04	1.4	0.2	<0.05	6	1.0	<0.2
1061917	Soil	7	18	0.11	105	0.019	1	0.88	0.007	0.04	0.2	0.05	1.5	0.1	<0.05	4	1.1	<0.2
1061916	Soil	4	26	0.04	467	0.004	2	0.65	0.008	0.08	<0.1	0.19	2.6	0.2	<0.05	4	2.2	<0.2
1157135	Soil	4	12	0.02	127	0.007	<1	0.34	0.005	0.05	0.1	0.07	0.6	<0.1	<0.05	4	1.8	<0.2
1157134	Soil	9	19	0.14	111	0.024	<1	0.97	0.004	0.06	0.2	0.12	1.5	0.1	<0.05	5	1.8	<0.2
1157133	Soil	6	18	0.11	181	0.024	1	0.60	0.003	0.07	0.1	0.24	2.0	0.6	<0.05	4	3.3	<0.2
1157131	Soil	8	16	0.11	308	0.011	<1	0.61	0.003	0.09	0.2	0.30	0.9	0.3	0.10	4	6.0	0.3
1157132	Soil	8	16	0.10	297	0.012	<1	0.56	0.003	0.08	0.2	0.27	0.8	0.3	0.10	4	5.4	0.3
1157129	Soil	5	19	0.11	223	0.010	<1	0.80	0.004	0.09	<0.1	0.18	1.3	0.4	0.09	3	3.1	<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
1157130	Soil	3.1	39.1	11.7	167	0.4	32.4	7.6	143	2.67	10.3	0.6	0.9	0.3	15	0.4	1.8	0.2	54	0.02	0.065
1144197	Soil	3.1	45.6	11.4	176	0.7	26.4	8.5	377	2.87	9.2	0.6	1.9	1.3	16	1.0	1.2	0.3	53	0.05	0.054
1144196	Soil	2.5	45.8	8.4	158	0.5	26.3	6.4	305	2.38	8.5	0.5	0.9	1.3	16	0.7	1.1	0.2	60	0.04	0.037
1144198	Soil	3.3	68.1	13.4	192	0.6	38.2	9.6	443	2.96	10.1	1.9	5.0	1.7	22	0.7	2.4	0.2	42	0.04	0.063
1144199	Soil	3.4	55.3	11.3	183	0.3	33.7	10.1	464	3.08	10.9	0.8	4.7	2.8	17	0.5	1.8	0.2	50	0.04	0.039
1144200	Soil	3.1	34.9	12.0	134	0.7	21.0	6.2	337	2.81	10.3	0.6	1.5	0.9	15	0.4	1.5	0.3	51	0.04	0.061
1144451	Soil	3.2	55.8	11.9	163	0.5	27.6	9.9	743	3.31	10.6	0.6	0.8	1.8	12	0.5	1.9	0.3	39	0.02	0.076
1144453	Soil	3.9	76.9	15.0	166	0.7	34.1	9.4	387	3.15	11.2	0.8	6.0	1.9	46	0.4	3.2	0.2	56	0.03	0.053
1144452	Soil	9.1	86.9	25.9	162	5.1	31.7	5.4	221	2.89	18.4	1.6	5.1	1.6	130	0.8	4.6	0.3	84	0.03	0.086
1144454	Soil	34.2	790.5	18.0	1103	1.4	362.2	44.5	630	7.79	17.6	9.8	16.3	4.2	40	2.4	3.2	0.2	118	0.03	0.079
1144455	Soil	31.6	788.0	18.3	1047	1.7	350.9	41.6	636	7.99	17.8	9.6	14.7	3.9	53	2.5	3.3	0.2	131	0.03	0.081
1144456	Soil	2.6	51.4	12.9	218	0.3	36.6	9.5	153	2.42	9.1	0.4	2.6	1.2	13	0.2	1.8	0.3	22	0.01	0.049
1144457	Soil	4.8	162.7	21.4	15	10.4	29.6	0.6	7	1.85	11.3	2.3	5.1	1.7	111	0.7	7.2	0.2	150	0.04	0.060
1144183	Soil	2.0	51.4	17.5	234	1.2	56.1	15.4	1446	4.44	8.5	1.0	9.3	2.3	8	0.5	1.6	0.3	38	0.03	0.039
1144184	Soil	4.0	62.1	12.0	283	0.9	45.9	9.4	426	3.15	9.6	0.9	3.1	0.6	7	0.6	1.7	0.4	54	0.03	0.046
1144194	Soil	0.3	5.6	2.3	11	0.7	1.8	1.2	109	0.46	0.9	0.2	<0.5	<0.1	5	0.4	0.1	<0.1	15	0.02	0.019
1144186	Soil	4.7	234.5	22.7	240	1.7	48.9	11.0	248	4.77	10.8	2.3	23.3	1.9	30	0.7	1.9	0.3	45	0.03	0.062
1144193	Soil	2.2	78.3	12.3	230	0.4	59.3	17.6	728	3.35	7.9	0.7	5.2	1.6	18	0.7	1.4	0.2	44	0.06	0.040
1144192	Soil	5.5	58.5	14.3	208	0.6	34.2	8.3	957	3.14	13.6	0.9	1.1	0.2	32	0.9	2.1	0.2	68	0.04	0.075
1144191	Soil	3.8	118.3	21.4	884	2.9	118.1	17.7	527	6.88	13.9	2.0	9.3	3.0	35	1.5	2.5	0.4	53	0.04	0.067
1144190	Soil	2.7	141.5	23.6	560	5.3	73.8	19.0	755	6.89	8.9	1.6	25.2	2.3	14	0.7	1.8	0.4	46	0.03	0.073
1144189	Soil	2.6	134.9	17.9	307	1.7	48.1	9.5	220	5.23	10.9	1.0	8.0	1.8	14	0.7	1.9	0.3	54	0.03	0.047
1144185	Soil	2.6	111.8	13.7	263	0.4	67.9	19.0	779	5.68	9.5	0.9	7.8	2.4	13	1.0	1.7	0.3	47	0.04	0.059
1144187	Soil	2.5	127.2	18.0	89	2.2	19.8	4.0	106	3.65	11.4	1.1	10.6	2.2	14	0.3	2.1	0.3	49	0.03	0.040
1144188	Soil	2.5	105.7	19.3	260	0.8	46.7	11.4	320	4.33	11.5	0.8	4.6	3.0	14	1.1	1.8	0.3	51	0.04	0.038
1144458	Soil	6.4	58.7	36.3	83	8.4	17.0	4.3	144	5.94	16.7	0.7	19.8	1.8	404	0.5	8.5	0.5	139	0.03	0.172
1144459	Soil	4.7	48.0	15.9	89	4.0	17.2	3.9	132	2.57	13.8	0.7	2.9	0.6	71	0.4	3.1	0.2	114	0.04	0.104
1144460	Soil	4.4	70.1	18.4	163	1.2	31.8	8.2	293	3.40	13.8	0.7	3.1	1.3	54	0.3	3.0	0.3	90	0.02	0.067
1144195	Soil	1.5	18.7	7.5	60	0.6	11.3	4.4	298	1.33	4.9	0.4	2.0	0.4	11	0.6	0.7	0.2	36	0.04	0.040
1144466	Soil	3.8	73.6	15.0	207	0.7	39.2	12.0	615	3.58	11.7	0.7	3.4	1.9	30	0.5	2.6	0.2	61	0.02	0.062



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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
1157130	Soil	6	13	0.04	168	0.008	2	0.47	0.002	0.07	0.1	0.06	1.2	0.3	<0.05	4	1.9
1144197	Soil	9	18	0.14	255	0.018	<1	0.90	0.005	0.09	0.1	0.03	1.7	0.1	<0.05	4	1.7
1144196	Soil	9	17	0.11	239	0.013	<1	0.84	0.005	0.06	0.1	0.02	1.7	<0.1	<0.05	4	1.3
1144198	Soil	8	14	0.13	157	0.009	<1	0.71	0.003	0.08	0.1	0.06	2.4	0.1	<0.05	3	1.6
1144199	Soil	8	22	0.23	233	0.007	1	1.36	0.004	0.10	0.1	0.03	2.4	0.1	<0.05	4	1.9
1144200	Soil	7	20	0.17	162	0.014	<1	1.13	0.005	0.09	0.1	0.03	1.4	0.2	<0.05	5	2.4
1144451	Soil	9	16	0.11	152	0.006	<1	0.89	0.003	0.09	<0.1	0.02	2.1	0.1	<0.05	3	1.6
1144453	Soil	6	21	0.10	166	0.004	<1	1.04	0.004	0.07	<0.1	0.05	2.5	0.1	<0.05	4	2.8
1144452	Soil	5	22	0.07	369	0.003	<1	0.87	0.004	0.17	<0.1	0.16	2.6	0.4	0.22	3	5.6
1144454	Soil	12	17	0.04	536	0.001	1	1.85	0.002	0.10	<0.1	1.15	10.3	0.1	<0.05	2	13.6
1144455	Soil	12	19	0.04	572	0.001	<1	1.77	0.002	0.11	<0.1	1.22	10.3	0.1	<0.05	2	14.0
1144456	Soil	1	6	0.02	136	0.001	1	0.39	0.002	0.12	<0.1	0.04	2.1	0.2	<0.05	2	2.3
1144457	Soil	5	115	0.03	243	0.006	5	0.42	0.004	0.37	<0.1	3.23	4.4	0.2	0.50	8	24.9
1144183	Soil	7	21	0.20	148	0.016	3	1.14	0.003	0.07	0.2	0.15	2.5	0.1	<0.05	3	1.5
1144184	Soil	6	16	0.03	172	0.009	3	0.50	0.004	0.10	<0.1	0.11	1.5	0.1	0.11	4	1.7
1144194	Soil	2	2	0.01	50	0.016	<1	0.43	0.015	0.02	<0.1	0.01	<0.1	<0.1	<0.05	2	<0.5
1144186	Soil	7	21	0.21	165	0.017	2	1.28	0.004	0.10	0.1	0.36	4.7	0.3	0.07	3	2.8
1144193	Soil	8	18	0.22	217	0.024	2	1.16	0.010	0.09	0.1	0.05	2.9	0.1	<0.05	4	0.9
1144192	Soil	8	23	0.16	369	0.010	2	0.96	0.007	0.14	<0.1	0.07	0.9	0.2	0.09	5	3.2
1144191	Soil	9	30	0.25	234	0.021	3	1.38	0.003	0.12	0.1	0.38	6.1	0.3	0.06	5	2.9
1144190	Soil	6	33	0.24	205	0.013	2	1.49	0.003	0.11	0.1	0.53	4.6	0.3	<0.05	5	2.7
1144189	Soil	8	25	0.18	132	0.019	3	1.15	0.003	0.08	0.1	0.14	3.0	0.2	<0.05	4	2.3
1144185	Soil	9	21	0.17	232	0.034	2	0.86	0.003	0.11	0.1	0.08	4.0	0.2	<0.05	5	1.0
1144187	Soil	8	24	0.19	134	0.019	2	1.20	0.003	0.09	0.1	0.32	2.5	0.3	<0.05	4	3.0
1144188	Soil	8	24	0.24	154	0.022	2	1.13	0.003	0.08	0.2	0.09	3.2	0.2	<0.05	4	1.4
1144458	Soil	5	64	0.06	77	0.006	2	0.96	0.008	0.80	<0.1	0.51	2.3	1.2	1.47	10	20.7
1144459	Soil	8	25	0.07	312	0.011	2	0.88	0.010	0.11	0.1	0.14	1.1	0.3	0.09	6	4.3
1144460	Soil	7	29	0.11	248	0.007	3	1.02	0.004	0.12	<0.1	0.07	2.1	0.2	<0.05	5	3.6
1144195	Soil	9	10	0.10	182	0.017	<1	0.61	0.011	0.05	0.1	0.02	0.2	<0.1	<0.05	3	<0.5
1144466	Soil	8	21	0.13	200	0.007	2	0.92	0.004	0.11	<0.1	0.05	2.5	0.2	<0.05	4	2.7



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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
		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
1144464	Soil	2.1	18.0	9.9	60	0.5	10.3	3.5	190	1.82	7.0	0.4	0.6	0.7	13	0.2	1.0	0.2	52	0.03
1144465	Soil	3.7	61.4	14.7	178	0.5	32.1	9.2	412	3.27	12.0	0.6	2.5	1.6	26	0.3	2.4	0.2	66	0.02
1144461	Soil	4.3	67.6	17.8	155	1.3	32.2	7.8	266	3.19	13.1	0.7	3.9	1.2	41	0.4	2.8	0.3	77	0.02
1144463	Soil	3.5	53.2	13.7	138	0.6	25.0	6.2	231	2.65	10.5	0.5	1.1	1.7	24	0.2	2.2	0.2	65	0.02
1144462	Soil	3.7	67.9	18.0	163	1.9	32.1	7.7	222	3.23	12.4	0.6	1.9	2.1	33	0.4	2.7	0.3	78	0.02
1157323	Soil	3.3	71.1	11.3	96	0.2	18.9	6.0	131	2.78	13.2	0.5	3.6	1.6	16	0.1	3.8	0.2	51	0.02
1157321	Soil	2.4	12.6	6.3	30	0.7	5.6	1.7	44	1.03	6.1	0.3	<0.5	0.4	12	<0.1	1.5	0.2	47	0.02
1157322	Soil	3.5	82.2	13.2	110	0.2	21.8	7.2	149	3.03	14.8	0.5	3.5	1.7	19	0.1	4.7	0.2	49	0.01
1157320	Soil	6.4	52.6	12.0	72	0.3	13.7	4.7	123	2.50	13.2	0.5	1.1	1.6	20	<0.1	4.3	0.2	64	0.02
1157331	Soil	5.1	28.4	10.8	90	<0.1	22.6	10.5	320	2.08	10.4	0.6	<0.5	2.3	32	0.3	1.2	0.1	24	0.22
1157330	Soil	3.0	28.1	13.1	86	0.3	37.8	12.1	399	2.91	11.5	0.8	2.4	6.0	78	0.3	0.8	0.2	23	0.78
1157328	Soil	7.1	41.4	11.4	92	0.4	22.6	8.1	306	2.22	11.1	0.7	2.7	0.8	20	0.5	1.9	0.2	34	0.06
1157329	Soil	8.2	43.6	15.0	122	0.2	36.2	14.6	443	3.07	13.5	1.1	2.8	4.1	38	0.6	1.5	0.2	33	0.23
1157327	Soil	11.5	86.5	17.2	156	0.2	39.8	13.2	326	3.45	17.8	1.0	3.1	2.9	24	0.3	3.0	0.3	38	0.02
1157325	Soil	2.1	74.0	8.4	83	0.1	20.2	6.9	145	2.32	8.1	0.3	0.7	1.1	10	<0.1	2.6	0.2	43	0.02
1157326	Soil	3.2	42.9	10.4	73	0.3	15.7	5.4	140	2.34	10.1	0.4	1.1	1.9	10	0.1	2.3	0.3	58	0.02
1157324	Soil	2.2	61.1	8.9	81	0.1	20.2	7.0	181	2.36	8.0	0.3	2.0	1.5	10	<0.1	2.9	0.3	60	0.01
1157308	Soil	1.6	12.6	5.3	24	0.3	5.0	1.4	43	0.84	4.6	0.4	1.1	<0.1	10	<0.1	0.8	0.1	33	0.03
1157311	Soil	6.0	11.3	28.0	22	0.4	3.2	0.7	19	2.17	12.4	0.3	3.7	0.3	21	0.2	4.6	0.7	52	0.02
1157318	Soil	6.2	42.1	14.8	53	0.5	10.1	3.2	83	2.63	15.2	0.4	4.6	1.5	18	0.2	5.0	0.3	42	0.02
1157316	Soil	3.3	57.6	13.8	91	0.5	20.5	6.0	182	2.94	12.3	0.8	2.1	2.2	17	0.2	2.4	0.4	55	0.04
1157314	Soil	3.4	40.0	11.8	59	0.2	12.8	3.5	108	2.53	15.7	0.6	2.7	1.5	22	0.2	2.3	0.3	63	0.03
1157313	Soil	4.2	20.5	10.5	53	0.1	11.0	3.2	84	2.31	12.4	0.5	3.0	0.9	19	0.2	2.1	0.3	68	0.04
1157309	Soil	4.3	30.5	12.4	101	1.6	24.0	7.4	241	2.35	14.4	1.0	15.8	2.8	22	0.5	3.1	0.3	61	0.07
1157310	Soil	7.8	23.4	17.7	83	0.9	19.9	4.3	122	2.59	14.4	0.9	10.2	2.3	33	0.3	3.9	0.3	76	0.04
1157319	Soil	5.2	77.1	13.4	91	0.3	20.7	8.1	262	2.89	10.6	0.6	2.0	1.4	17	0.2	2.9	0.2	46	0.04
1157312	Soil	5.8	13.9	15.9	27	0.7	5.2	1.4	42	2.02	15.4	0.5	3.0	1.6	42	0.2	3.1	0.3	53	0.02
1157317	Soil	11.9	55.6	15.3	67	0.3	13.9	4.0	110	2.77	16.2	0.5	1.8	1.2	21	<0.1	3.7	0.2	51	0.02
1157315	Soil	7.0	54.7	17.9	75	0.3	15.5	4.5	101	2.80	15.8	0.7	3.0	1.7	31	<0.1	3.2	0.2	49	0.02
1157340	Soil	1.0	24.3	9.4	40	0.2	22.4	7.4	516	1.96	4.4	1.0	1.7	1.9	157	0.2	0.4	0.1	12	1.91



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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	0.01	0.1	0.05	1	0.5	0.2
1144464	Soil	9	13	0.13	131	0.019	2	0.89	0.009	0.06	0.2	0.02	0.6	0.1	<0.05	5	0.6	<0.2
1144465	Soil	8	20	0.12	183	0.010	2	0.93	0.004	0.10	<0.1	0.03	1.9	0.2	<0.05	4	2.1	<0.2
1144461	Soil	7	23	0.11	242	0.009	3	0.86	0.005	0.12	<0.1	0.06	2.0	0.2	<0.05	5	3.3	<0.2
1144463	Soil	8	15	0.08	150	0.010	1	0.69	0.005	0.09	<0.1	0.03	1.5	0.1	<0.05	5	1.6	<0.2
1144462	Soil	8	20	0.10	193	0.012	3	0.84	0.004	0.11	0.1	0.07	2.1	0.2	<0.05	5	2.7	<0.2
1157323	Soil	5	17	0.09	1034	0.007	2	0.98	0.003	0.06	0.1	0.03	1.9	0.2	<0.05	4	1.3	<0.2
1157321	Soil	7	8	0.03	226	0.013	3	0.33	0.008	0.05	0.1	0.02	<0.1	0.2	<0.05	3	0.7	<0.2
1157322	Soil	4	19	0.10	1439	0.006	3	1.02	0.003	0.07	0.1	0.04	2.5	0.2	<0.05	3	1.3	<0.2
1157320	Soil	5	15	0.07	500	0.008	3	0.80	0.003	0.07	0.1	0.05	1.4	0.5	<0.05	4	1.6	<0.2
1157331	Soil	5	10	0.16	684	0.004	3	0.56	0.004	0.08	<0.1	0.07	1.4	0.2	<0.05	2	0.6	<0.2
1157330	Soil	12	14	0.29	2634	0.003	4	0.86	0.007	0.12	<0.1	0.32	6.2	0.3	<0.05	2	0.6	<0.2
1157328	Soil	7	13	0.17	394	0.006	2	0.78	0.005	0.07	<0.1	0.12	1.0	0.3	<0.05	3	1.4	<0.2
1157329	Soil	7	18	0.30	639	0.004	2	1.17	0.005	0.08	<0.1	0.13	2.6	0.3	<0.05	3	1.7	<0.2
1157327	Soil	4	17	0.24	371	0.004	3	1.14	0.005	0.07	<0.1	0.17	2.8	0.5	<0.05	3	2.5	<0.2
1157325	Soil	4	10	0.04	316	0.008	2	0.70	0.009	0.04	0.1	<0.01	1.6	0.1	<0.05	4	0.6	<0.2
1157326	Soil	8	15	0.07	204	0.011	2	0.84	0.004	0.05	0.2	0.02	1.1	0.1	<0.05	5	0.6	<0.2
1157324	Soil	7	10	0.03	738	0.011	1	0.49	0.004	0.05	0.1	0.01	1.6	0.1	<0.05	4	<0.5	<0.2
1157308	Soil	9	9	0.03	174	0.010	1	0.42	0.012	0.04	<0.1	0.03	<0.1	<0.1	<0.05	3	<0.5	<0.2
1157311	Soil	4	13	0.02	316	0.005	3	0.35	0.005	0.21	<0.1	0.10	0.5	0.7	0.34	5	5.1	0.2
1157318	Soil	3	15	0.06	943	0.006	2	0.74	0.002	0.10	<0.1	0.06	1.5	0.3	0.14	3	3.4	<0.2
1157316	Soil	7	22	0.18	417	0.016	3	1.27	0.004	0.06	0.2	0.04	2.4	0.2	<0.05	4	1.4	<0.2
1157314	Soil	7	17	0.09	564	0.021	2	0.76	0.005	0.06	0.1	0.03	1.7	0.2	<0.05	5	2.0	<0.2
1157313	Soil	8	17	0.09	277	0.026	2	0.76	0.005	0.08	0.2	0.04	1.0	0.2	0.09	5	1.2	<0.2
1157309	Soil	10	28	0.33	398	0.021	2	1.60	0.010	0.09	0.2	0.27	2.3	0.2	0.05	4	2.2	<0.2
1157310	Soil	6	23	0.17	328	0.017	2	1.08	0.004	0.12	0.2	0.14	1.7	0.5	0.13	5	3.6	<0.2
1157319	Soil	5	18	0.10	744	0.010	2	0.93	0.004	0.06	0.1	0.04	2.2	0.2	<0.05	3	1.9	<0.2
1157312	Soil	5	15	0.05	367	0.014	1	0.63	0.005	0.15	0.1	0.10	1.0	0.5	0.21	4	2.2	0.3
1157317	Soil	4	15	0.05	1257	0.009	3	0.62	0.003	0.08	0.1	0.04	1.6	0.3	0.10	4	1.6	<0.2
1157315	Soil	3	18	0.06	1068	0.007	3	0.77	0.003	0.11	0.1	0.08	2.0	0.7	0.14	3	2.7	<0.2
1157340	Soil	7	6	0.23	736	0.002	7	0.41	0.006	0.07	<0.1	0.12	3.1	<0.1	0.11	1	0.7	<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 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
1157334	Soil	6.1	38.6	7.1	74	0.9	21.2	5.2	149	1.39	5.1	0.9	8.5	1.0	30	0.8	0.9	<0.1	26	0.35	0.057
1157336	Soil	3.1	44.7	10.8	96	0.6	36.9	9.9	328	2.31	7.1	1.2	2.9	4.7	53	0.7	0.9	0.2	25	0.76	0.143
1157338	Soil	0.3	21.7	3.2	23	<0.1	8.6	2.3	135	0.49	1.2	0.8	1.4	0.6	108	0.2	<0.1	<0.1	8	1.48	0.035
1157333	Soil	3.5	58.9	11.9	137	1.6	39.3	9.6	207	2.36	5.9	0.6	14.9	1.4	23	1.1	1.4	0.2	21	0.17	0.057
1157339	Soil	0.2	6.2	1.7	10	<0.1	4.0	1.9	87	0.36	<0.5	0.2	0.6	0.2	32	0.1	<0.1	<0.1	11	0.51	0.026
1157337	Soil	3.6	42.1	10.7	104	0.7	36.5	10.5	640	2.14	7.8	2.2	5.7	3.2	98	1.4	0.9	0.1	26	1.36	0.098
1157335	Soil	1.7	33.1	10.5	70	0.4	34.9	9.2	619	2.68	8.1	0.9	6.4	4.8	87	0.6	0.8	0.2	17	3.19	0.214
1157332	Soil	16.9	74.8	13.5	243	3.2	74.8	10.4	420	4.06	12.6	1.5	15.4	4.0	68	3.0	3.5	0.2	50	0.48	0.212
1157188	Soil	5.4	18.6	11.3	47	1.3	12.2	3.6	101	2.09	12.3	0.9	11.3	1.8	13	0.2	4.3	0.1	61	0.05	0.027
1157198	Soil	3.7	29.3	13.1	42	2.0	8.2	1.8	48	2.07	20.4	0.7	1.9	0.6	60	0.1	3.7	0.2	89	0.04	0.059
1157187	Soil	3.1	12.8	8.9	39	0.5	6.5	1.8	58	1.19	9.1	0.5	1.9	0.3	11	<0.1	1.5	0.2	62	0.03	0.029
1157186	Soil	4.7	26.5	11.1	30	1.8	8.8	2.3	147	1.39	7.2	1.0	8.3	0.2	15	0.2	3.5	0.1	60	0.03	0.050
1157196	Soil	11.6	31.8	13.9	96	0.9	15.6	2.8	81	2.20	13.2	1.4	1.8	1.2	43	1.0	2.7	0.2	98	0.02	0.052
1157193	Soil	4.7	25.1	10.7	53	3.4	15.5	4.3	109	2.02	11.9	0.8	15.7	1.9	18	0.2	3.8	<0.1	62	0.06	0.031
1157189	Soil	6.9	30.6	10.9	71	1.8	20.5	5.5	158	2.28	13.0	1.5	18.1	2.5	16	0.4	3.9	<0.1	74	0.05	0.028
1157190	Soil	8.6	22.9	13.5	47	0.7	10.1	3.0	153	1.96	10.5	1.4	9.8	0.3	19	0.2	2.6	0.2	81	0.04	0.038
1157191	Soil	2.8	20.4	11.5	50	0.2	11.3	3.1	110	1.87	9.0	0.6	2.6	0.6	13	<0.1	2.0	0.1	58	0.06	0.042
1157192	Soil	3.4	15.8	12.5	55	0.7	12.6	3.7	108	1.87	10.2	0.7	6.0	2.0	18	<0.1	2.3	0.1	55	0.05	0.036
1157195	Soil	6.4	20.8	14.4	54	1.0	11.6	3.0	145	2.16	14.6	0.8	4.6	1.7	20	0.1	2.6	0.2	92	0.03	0.034
1157197	Soil	11.5	29.1	13.4	93	0.8	14.5	2.4	72	1.93	12.5	1.4	1.4	1.1	40	0.8	2.5	0.1	89	0.02	0.052
1157199	Soil	4.5	26.2	9.7	33	1.5	5.3	1.3	44	1.37	6.3	0.4	2.1	<0.1	21	0.2	3.0	<0.1	78	0.03	0.036
1157307	Soil	1.5	8.1	4.2	25	0.8	3.2	0.9	55	0.69	3.7	0.1	<0.5	<0.1	18	<0.1	1.0	<0.1	27	0.04	0.024
1157306	Soil	4.1	20.2	12.5	33	1.8	4.4	1.1	30	1.58	12.2	0.3	1.1	0.3	27	<0.1	4.1	0.1	82	0.02	0.040
1157305	Soil	4.3	28.1	17.7	51	2.0	8.8	2.2	70	2.72	17.2	0.4	2.8	1.8	53	<0.1	4.5	0.2	69	0.02	0.053
1157303	Soil	6.9	22.2	10.9	67	3.5	14.2	3.2	109	2.17	12.7	0.5	7.6	1.8	23	0.2	5.6	0.2	69	0.03	0.035
1157304	Soil	4.2	25.3	9.7	106	3.2	18.2	7.2	178	2.48	10.3	0.6	3.5	1.7	16	0.7	2.1	0.2	66	0.04	0.042
1157302	Soil	4.1	22.8	9.8	56	3.3	12.6	3.1	73	1.81	10.3	0.5	10.3	1.6	26	0.2	3.2	0.2	54	0.04	0.034
1157301	Soil	2.8	27.7	9.6	78	0.7	12.1	2.7	68	1.63	7.0	0.4	1.3	0.4	14	0.2	1.2	0.2	61	0.03	0.037
1157200	Soil	4.4	31.1	9.2	75	1.5	12.2	3.0	77	2.06	9.0	0.5	3.5	0.6	19	0.2	2.0	0.2	63	0.02	0.035
1157194	Soil	5.5	35.8	9.5	28	4.4	7.7	2.1	59	1.59	8.3	1.4	19.2	0.8	11	0.2	6.1	0.1	75	0.02	0.024



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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
1157334	Soil	5	7	0.12	479	0.005	3	0.58	0.014	0.07	<0.1	0.13	2.1	0.2	<0.05	2	1.1
1157336	Soil	10	16	0.35	1004	0.003	3	0.88	0.005	0.11	<0.1	0.29	4.7	0.3	0.06	2	1.6
1157338	Soil	4	3	0.18	226	0.006	4	0.41	0.023	0.04	<0.1	0.04	1.2	<0.1	0.09	1	<0.5
1157333	Soil	3	15	0.17	495	0.003	3	0.63	0.007	0.08	<0.1	0.30	2.5	0.2	<0.05	2	4.2
1157339	Soil	2	3	0.06	217	0.010	2	0.25	0.033	0.04	<0.1	0.02	0.6	<0.1	<0.05	<1	<0.5
1157337	Soil	8	14	0.28	1185	0.002	6	0.86	0.004	0.11	<0.1	0.33	3.9	0.2	0.13	2	2.9
1157335	Soil	12	16	0.96	631	0.003	7	0.82	0.009	0.11	<0.1	0.27	4.7	0.2	0.06	2	1.2
1157332	Soil	6	23	0.21	732	0.002	5	0.77	0.004	0.13	<0.1	0.85	4.8	0.8	<0.05	2	6.5
1157188	Soil	8	20	0.17	187	0.023	2	0.90	0.004	0.09	0.2	0.21	1.4	0.2	0.09	5	3.3
1157198	Soil	6	29	0.02	393	0.011	2	0.40	0.007	0.13	<0.1	0.12	1.2	0.5	0.16	6	2.8
1157187	Soil	11	12	0.05	136	0.018	1	0.52	0.004	0.06	0.2	0.09	0.4	0.2	<0.05	5	1.2
1157186	Soil	4	19	0.04	290	0.006	3	0.62	0.005	0.10	<0.1	0.31	0.3	0.2	0.08	4	3.8
1157196	Soil	6	20	0.06	487	0.009	4	0.64	0.003	0.15	<0.1	0.08	1.4	0.7	0.14	4	3.2
1157193	Soil	9	24	0.19	367	0.026	2	1.07	0.005	0.08	0.2	0.63	1.6	0.2	0.06	5	4.4
1157189	Soil	10	24	0.25	246	0.024	1	1.18	0.004	0.09	0.2	0.39	1.8	0.2	0.07	4	5.8
1157190	Soil	8	22	0.16	350	0.011	2	0.97	0.005	0.07	0.1	0.26	0.8	0.4	<0.05	6	1.1
1157191	Soil	10	18	0.15	290	0.025	1	0.81	0.006	0.07	0.2	0.07	1.0	0.1	<0.05	5	1.5
1157192	Soil	10	19	0.17	311	0.026	2	1.02	0.005	0.07	0.2	0.12	1.4	0.2	<0.05	5	1.8
1157195	Soil	8	20	0.10	325	0.020	2	0.79	0.003	0.09	0.2	0.10	1.2	0.3	<0.05	6	3.1
1157197	Soil	6	18	0.05	453	0.008	2	0.60	0.003	0.14	<0.1	0.08	1.2	0.6	0.15	4	2.5
1157199	Soil	5	19	0.02	316	0.007	1	0.45	0.010	0.09	<0.1	0.08	0.2	0.1	0.09	4	3.3
1157307	Soil	2	7	0.02	149	0.010	<1	0.20	0.015	0.06	<0.1	0.04	0.3	0.2	0.06	2	1.0
1157306	Soil	4	19	0.02	332	0.007	1	0.42	0.007	0.09	<0.1	0.08	0.5	0.2	0.07	4	3.1
1157305	Soil	6	26	0.06	488	0.007	3	0.79	0.004	0.15	0.1	0.08	1.7	0.6	0.22	6	3.8
1157303	Soil	6	20	0.10	277	0.016	2	0.82	0.005	0.09	0.2	0.20	1.3	0.2	0.10	5	5.3
1157304	Soil	7	25	0.14	271	0.013	4	1.54	0.006	0.09	0.2	0.22	1.6	0.2	0.07	5	2.1
1157302	Soil	6	22	0.14	286	0.013	2	0.95	0.005	0.08	0.1	0.26	1.4	0.3	0.08	4	2.9
1157301	Soil	5	14	0.04	174	0.006	1	0.54	0.005	0.08	<0.1	0.03	0.8	0.1	<0.05	4	1.2
1157200	Soil	5	17	0.06	234	0.009	2	0.70	0.007	0.08	0.1	0.07	0.9	0.2	0.07	4	2.4
1157194	Soil	6	34	0.09	220	0.014	1	0.51	0.003	0.06	0.1	1.51	1.7	<0.1	0.08	5	7.1



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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 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
1157185	Soil	9.4	24.0	8.6	16	2.5	6.6	1.7	70	0.97	5.6	0.9	11.6	0.4	14	0.2	7.3	0.1	62	0.05	0.032
1157183	Soil	7.2	27.2	9.5	45	3.1	12.5	3.8	107	1.85	10.6	1.0	16.2	1.8	13	0.2	6.9	0.2	77	0.05	0.026
1157181	Soil	9.8	32.3	12.4	35	7.7	10.3	2.9	95	1.94	11.6	1.3	22.2	1.0	15	0.1	8.0	0.2	98	0.04	0.028
1157184	Soil	6.0	13.7	9.1	31	1.6	6.6	1.7	53	1.54	9.2	0.6	13.6	0.7	12	<0.1	4.4	0.2	78	0.03	0.025
1157182	Soil	5.8	19.1	10.2	44	2.7	10.1	2.8	85	2.37	12.9	0.6	12.4	1.2	12	0.2	6.8	0.2	89	0.04	0.030
1157179	Soil	3.9	18.9	11.7	63	0.8	10.5	3.2	184	2.13	13.9	0.5	2.9	0.3	14	0.1	2.3	0.3	85	0.04	0.047
1157180	Soil	5.1	19.4	9.5	59	3.9	14.5	4.1	134	2.20	13.1	0.8	13.9	1.6	15	0.2	4.1	0.2	75	0.08	0.047
1157177	Soil	2.2	16.4	10.3	95	2.5	17.9	6.6	352	2.58	13.2	0.5	4.5	1.3	12	0.5	1.7	0.2	62	0.06	0.052
1157178	Soil	3.2	16.8	12.2	64	0.6	13.7	4.4	210	2.79	15.1	0.6	6.5	1.7	13	0.1	2.3	0.2	70	0.08	0.059
1157176	Soil	2.2	19.6	9.8	78	0.5	20.4	6.6	190	2.28	13.5	0.7	4.5	2.4	12	0.4	1.5	0.2	52	0.08	0.046
1157175	Soil	1.9	22.2	8.4	77	0.7	19.4	5.1	166	2.28	12.6	1.0	7.1	2.2	23	0.3	1.9	0.2	53	0.21	0.098
1157397	Soil	9.6	102.6	18.2	256	1.7	46.8	6.7	210	4.78	22.1	1.9	7.1	4.7	168	1.9	3.5	0.2	103	0.05	0.192
1157395	Soil	5.1	41.7	13.2	132	0.8	21.9	4.1	74	2.21	13.1	1.0	4.5	3.0	100	1.3	2.7	0.2	43	0.02	0.048
1157393	Soil	2.2	32.5	15.2	178	0.3	24.4	6.9	213	2.45	7.2	0.4	2.8	1.2	26	1.1	1.2	0.2	32	0.02	0.050
1157394	Soil	2.2	25.0	8.2	79	0.7	10.6	2.5	62	1.39	4.3	0.3	0.5	0.1	13	0.6	0.9	0.2	49	0.02	0.037
1157389	Soil	3.8	33.5	12.1	78	2.9	16.4	4.5	111	2.90	13.8	0.7	8.5	3.2	20	0.3	2.1	0.2	71	0.04	0.041
1157390	Soil	10.9	81.9	14.3	175	2.8	17.1	2.3	39	5.28	29.4	1.9	9.7	1.5	86	0.7	3.4	0.3	82	0.03	0.385
1157388	Soil	3.6	29.8	11.6	71	2.5	14.2	3.9	100	2.56	12.6	0.7	7.2	3.1	19	0.2	2.0	0.2	68	0.04	0.037
1157396	Soil	18.5	43.0	12.7	72	1.6	20.0	1.4	37	1.17	14.2	5.9	4.0	3.0	88	2.3	6.0	0.2	141	0.32	0.273
1157399	Soil	10.1	441.5	13.1	381	1.8	76.7	9.3	104	3.63	17.4	6.3	5.7	3.6	57	1.8	3.7	0.2	86	0.06	0.207
1157392	Soil	9.5	74.6	17.8	245	0.7	30.6	7.0	118	3.05	16.0	0.8	2.0	1.2	100	1.3	3.5	0.3	95	0.02	0.108
1157398	Soil	12.9	66.0	14.5	60	4.1	12.7	0.8	12	1.59	14.1	4.3	9.1	2.2	279	0.6	4.6	0.2	131	0.07	0.213
1157391	Soil	5.7	72.3	15.4	63	0.7	11.6	2.6	73	3.28	18.7	1.2	1.3	1.5	39	0.4	2.0	0.2	86	0.03	0.113
1157372	Soil	4.0	25.8	13.3	62	1.2	13.9	4.3	163	2.63	13.6	1.1	8.4	0.6	25	0.2	3.2	0.3	64	0.07	0.062
1157373	Soil	8.8	16.6	9.3	11	2.3	3.5	0.8	28	0.96	5.2	1.3	24.7	0.9	28	<0.1	5.5	0.1	28	0.03	0.042
1157375	Soil	6.1	17.8	12.4	30	2.5	5.3	1.4	48	1.77	11.5	1.4	12.1	0.4	59	<0.1	4.8	0.2	70	0.03	0.076
1157374	Soil	3.4	21.4	16.6	45	0.7	9.7	2.7	101	2.52	12.0	0.8	8.6	0.9	22	0.1	3.1	0.3	61	0.05	0.059
1157377	Soil	2.6	20.6	15.7	35	0.5	5.2	1.3	43	1.86	8.8	0.3	4.4	0.3	21	0.1	1.8	0.4	48	0.02	0.027
1157376	Soil	3.0	19.2	16.0	29	4.3	5.2	1.1	32	1.36	4.8	0.4	4.5	0.1	13	0.2	1.9	0.3	54	0.02	0.032
1157379	Soil	10.3	64.0	16.8	111	2.5	20.8	3.5	112	4.17	16.9	1.2	11.5	2.1	110	0.2	5.8	0.3	123	0.03	0.067



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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
1157185	Soil	4	14	0.03	353	0.007	2	0.35	0.007	0.09	<0.1	0.70	0.9	0.2	0.10	2	12.0	0.3
1157183	Soil	8	31	0.18	219	0.022	2	0.84	0.004	0.07	0.2	0.80	1.8	0.1	0.08	4	7.3	<0.2
1157181	Soil	7	29	0.14	263	0.016	1	0.76	0.004	0.09	0.1	1.90	1.5	0.2	0.12	5	9.9	0.4
1157184	Soil	8	22	0.09	171	0.019	2	0.64	0.004	0.06	0.1	0.41	0.8	0.1	<0.05	5	3.4	<0.2
1157182	Soil	7	27	0.14	162	0.022	1	0.82	0.004	0.07	0.2	0.42	1.1	0.1	0.08	6	6.1	<0.2
1157179	Soil	12	20	0.08	193	0.021	<1	0.70	0.006	0.07	0.2	0.10	0.7	0.2	<0.05	7	2.0	<0.2
1157180	Soil	11	26	0.18	194	0.024	2	0.88	0.004	0.09	0.2	0.61	1.5	0.1	0.09	5	4.8	<0.2
1157177	Soil	11	24	0.26	188	0.024	2	1.34	0.005	0.09	0.2	0.32	1.7	0.2	<0.05	6	0.9	<0.2
1157178	Soil	12	23	0.20	158	0.038	1	0.92	0.005	0.07	0.4	0.16	1.4	0.2	0.06	6	2.1	<0.2
1157176	Soil	12	24	0.32	176	0.024	2	1.26	0.005	0.08	0.2	0.12	1.9	0.1	<0.05	4	1.0	<0.2
1157175	Soil	13	26	0.30	215	0.026	2	1.05	0.007	0.06	0.3	0.15	1.9	0.1	<0.05	4	1.3	<0.2
1157397	Soil	8	24	0.06	503	0.002	3	1.19	0.006	0.28	<0.1	0.16	3.7	0.7	0.45	3	7.9	<0.2
1157395	Soil	3	11	0.03	515	0.001	2	0.51	0.003	0.17	<0.1	0.10	1.6	0.5	0.21	2	5.7	0.3
1157393	Soil	4	9	0.05	330	0.005	2	0.56	0.005	0.13	<0.1	0.05	1.6	0.4	0.11	2	1.6	<0.2
1157394	Soil	6	11	0.03	206	0.007	2	0.52	0.007	0.09	<0.1	0.02	0.6	0.2	<0.05	4	1.1	<0.2
1157389	Soil	9	27	0.24	311	0.014	2	1.38	0.004	0.09	0.2	0.31	2.2	0.3	0.07	5	4.7	<0.2
1157390	Soil	12	25	0.04	311	0.005	2	0.96	0.009	0.26	<0.1	0.68	1.6	1.1	0.57	4	13.4	0.5
1157388	Soil	9	25	0.21	302	0.016	1	1.24	0.003	0.09	0.2	0.25	2.0	0.2	0.07	4	3.6	<0.2
1157396	Soil	8	17	0.03	658	0.004	6	0.54	0.005	0.20	<0.1	0.15	3.0	0.7	0.18	2	5.6	<0.2
1157399	Soil	5	20	0.04	502	0.001	3	0.98	0.002	0.10	<0.1	0.40	6.6	0.3	<0.05	2	3.8	<0.2
1157392	Soil	5	12	0.03	437	0.003	3	0.59	0.004	0.18	<0.1	0.06	1.7	0.7	0.20	3	5.2	<0.2
1157398	Soil	10	18	0.03	740	0.002	2	0.71	0.003	0.18	<0.1	0.43	1.9	0.9	0.24	2	7.9	<0.2
1157391	Soil	6	22	0.11	367	0.007	3	0.97	0.007	0.13	<0.1	0.10	1.6	0.5	0.13	4	4.3	<0.2
1157372	Soil	11	26	0.17	562	0.015	<1	0.91	0.004	0.15	0.2	0.24	1.1	0.4	0.20	5	3.4	<0.2
1157373	Soil	5	24	0.05	506	0.009	<1	0.26	0.003	0.11	<0.1	0.88	3.2	0.3	0.21	2	4.5	0.2
1157375	Soil	10	23	0.04	558	0.016	5	0.50	0.004	0.12	0.2	0.51	2.8	0.4	0.20	6	4.5	<0.2
1157374	Soil	7	23	0.12	342	0.021	2	0.64	0.005	0.12	0.2	0.15	1.4	0.3	0.14	6	2.7	0.2
1157377	Soil	4	13	0.02	236	0.010	2	0.38	0.008	0.18	<0.1	0.07	0.8	0.2	0.24	4	2.0	<0.2
1157376	Soil	6	14	0.02	262	0.009	1	0.56	0.009	0.12	<0.1	0.17	0.5	0.1	0.14	5	3.3	<0.2
1157379	Soil	6	38	0.08	346	0.020	1	0.70	0.003	0.20	0.2	0.21	2.3	0.6	0.30	6	7.0	0.4



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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
1157378	Soil	4.0	48.5	13.8	52	0.2	10.9	2.5	74	2.82	11.9	0.4	3.1	0.5	28	<0.1	2.7	0.4	102	0.01	0.051
1157381	Soil	9.0	56.0	16.8	119	2.0	21.2	3.9	98	3.44	19.2	1.1	7.5	0.9	92	0.3	3.9	0.3	96	0.03	0.125
1157383	Soil	7.1	72.0	10.7	76	1.0	17.1	3.3	91	2.00	9.9	1.9	8.5	0.3	42	0.6	2.1	0.2	51	0.04	0.066
1157382	Soil	5.1	34.6	9.3	87	0.9	15.3	3.0	77	1.67	9.3	0.6	7.3	0.3	34	0.2	2.2	0.2	56	0.04	0.050
1157380	Soil	5.8	40.0	14.1	96	1.2	18.4	3.9	107	2.72	13.4	0.7	5.9	1.2	46	0.2	3.1	0.3	78	0.03	0.053
1157386	Soil	8.1	65.2	10.6	140	1.1	30.2	6.9	286	2.56	14.1	2.2	9.2	2.2	62	0.6	4.0	0.2	61	0.11	0.125
1159151	Soil	4.9	99.2	11.9	282	1.3	40.9	8.2	191	3.35	8.2	0.4	5.6	0.4	17	0.7	1.9	0.3	78	0.03	0.072
1159153	Soil	3.1	29.5	9.5	102	1.6	14.0	3.0	67	1.57	6.4	0.3	2.1	0.3	17	0.5	1.4	0.2	51	0.02	0.041
1159152	Soil	3.4	49.0	10.2	132	0.9	18.2	4.2	58	1.95	5.4	0.2	21.0	0.4	15	0.6	1.5	0.2	68	0.03	0.042
1157400	Soil	5.5	79.6	15.7	287	0.3	35.1	8.0	150	3.32	10.4	0.7	3.1	1.6	15	1.4	1.4	0.3	45	0.01	0.081
1157387	Soil	4.3	32.5	10.3	70	1.5	13.0	2.6	73	1.59	8.0	0.8	6.9	0.2	26	0.2	1.5	0.2	51	0.04	0.075
1157384	Soil	9.1	42.2	11.8	124	0.4	20.2	3.2	44	1.73	9.9	0.8	4.0	0.4	36	0.2	2.5	0.2	73	0.02	0.044
1157385	Soil	2.8	28.3	9.6	40	1.0	12.6	1.8	57	1.11	6.3	0.7	5.2	0.7	31	0.6	1.1	0.2	34	0.08	0.041
1157475	Soil	3.8	35.2	22.0	18	2.4	5.2	1.4	35	4.06	21.5	0.9	81.5	0.3	26	<0.1	7.5	0.6	136	0.02	0.129
1157474	Soil	3.1	20.0	11.4	78	3.3	15.2	5.4	329	3.17	15.9	0.9	13.2	3.0	10	0.3	1.7	0.3	65	0.07	0.058
1157482	Soil	3.5	17.0	11.0	61	0.3	9.5	2.6	142	1.54	8.3	0.4	2.6	1.3	11	0.1	1.2	0.2	59	0.01	0.030
1157484	Soil	5.9	62.0	12.4	143	1.0	30.1	8.5	321	2.58	11.8	1.7	8.8	3.0	27	0.4	2.8	0.2	62	0.03	0.065
1157485	Soil	3.9	81.2	17.7	157	0.5	28.3	7.0	181	3.24	12.7	0.7	4.1	1.5	17	0.2	2.3	0.3	61	0.01	0.060
1157483	Soil	4.9	46.6	13.5	185	0.5	27.3	6.4	161	3.34	11.4	0.7	3.8	1.9	23	0.3	2.1	0.2	49	0.02	0.093
1157480	Soil	8.9	71.8	11.9	91	0.6	18.0	3.0	100	1.94	12.1	1.5	5.2	0.4	31	0.3	3.0	0.2	74	0.02	0.062
1157481	Soil	5.2	33.9	11.3	103	0.7	17.2	3.8	137	1.98	9.6	0.7	3.7	0.3	19	0.2	2.0	0.2	60	0.02	0.063
1157477	Soil	66.1	145.9	12.7	682	1.3	189.2	11.1	496	4.19	39.7	16.5	5.7	5.7	74	8.8	10.5	0.2	263	0.53	0.097
1157478	Soil	3.8	18.9	9.5	27	0.9	5.5	1.4	44	1.01	6.9	0.6	3.7	<0.1	12	0.2	2.2	0.2	46	0.02	0.033
1157479	Soil	9.3	91.0	10.5	99	0.8	21.8	3.2	75	1.61	9.4	1.5	5.6	0.2	30	0.6	2.8	0.2	74	0.04	0.049
1157476	Soil	7.8	26.8	10.9	14	4.3	5.3	1.1	43	1.39	7.1	1.4	19.7	0.2	19	0.1	4.3	0.2	73	0.03	0.061
1157489	Soil	3.2	40.2	17.4	44	4.2	16.3	2.2	61	1.13	5.8	1.1	14.0	<0.1	24	0.4	2.0	0.2	50	0.04	0.076
1157486	Soil	4.4	53.7	14.5	144	0.7	26.3	6.5	182	2.83	10.1	0.7	7.5	0.9	18	0.2	1.9	0.2	59	0.02	0.058
1156134	Soil	4.9	54.7	14.7	147	0.5	26.0	6.9	231	2.72	10.5	0.7	4.7	1.4	23	0.4	2.5	0.2	63	0.02	0.057
1156132	Soil	5.5	67.3	11.5	174	0.8	29.8	6.3	477	2.87	11.3	1.4	5.8	2.2	32	0.4	2.9	0.2	50	0.06	0.097
1157487	Soil	2.4	21.8	5.9	52	2.6	7.4	2.0	42	0.89	4.5	0.4	2.9	<0.1	12	<0.1	1.0	0.1	32	0.01	0.033



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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
1157378	Soil	6	17	0.01	139	0.014	2	0.35	0.003	0.10	0.1	0.04	0.9	0.1	0.20	5	0.5	<0.2
1157381	Soil	6	24	0.07	483	0.010	3	0.66	0.004	0.14	0.2	0.18	1.5	0.5	0.27	4	5.1	0.3
1157383	Soil	6	14	0.07	336	0.006	3	0.77	0.006	0.06	<0.1	0.24	1.0	0.3	0.12	3	2.5	<0.2
1157382	Soil	4	11	0.03	262	0.008	2	0.36	0.005	0.06	0.1	0.10	0.8	0.2	0.11	3	2.0	<0.2
1157380	Soil	6	19	0.08	262	0.020	1	0.59	0.003	0.08	0.2	0.10	1.5	0.3	0.16	4	3.0	0.2
1157386	Soil	7	15	0.13	287	0.009	2	0.68	0.006	0.08	0.1	0.28	2.2	0.4	0.17	2	3.3	<0.2
1159151	Soil	2	17	0.02	178	0.003	3	0.43	0.004	0.08	<0.1	0.03	1.8	0.1	0.08	3	1.3	<0.2
1159153	Soil	4	8	0.03	168	0.008	2	0.36	0.004	0.07	<0.1	0.03	0.6	0.1	0.08	3	1.0	<0.2
1159152	Soil	2	8	0.02	151	0.005	2	0.43	0.005	0.06	<0.1	0.03	0.8	0.1	0.09	2	0.9	<0.2
1157400	Soil	2	7	0.03	235	0.002	2	0.50	0.003	0.09	<0.1	0.03	2.1	0.1	0.05	2	2.7	<0.2
1157387	Soil	5	12	0.05	210	0.005	2	0.57	0.007	0.06	0.1	0.15	0.7	0.2	0.10	3	1.2	<0.2
1157384	Soil	5	11	0.01	155	0.004	1	0.39	0.003	0.06	<0.1	0.04	0.9	0.2	0.10	2	1.7	<0.2
1157385	Soil	6	10	0.07	338	0.009	1	0.49	0.007	0.04	0.1	0.18	1.1	0.2	0.06	2	1.9	<0.2
1157475	Soil	6	39	0.06	485	0.006	2	0.62	0.008	0.30	0.1	0.90	1.0	0.9	0.61	7	5.9	0.3
1157474	Soil	9	29	0.25	166	0.024	1	1.56	0.004	0.06	0.4	0.76	2.4	0.1	0.06	6	1.6	<0.2
1157482	Soil	7	8	0.04	139	0.010	<1	0.56	0.002	0.05	<0.1	0.02	0.9	0.2	<0.05	4	0.6	<0.2
1157484	Soil	6	18	0.15	208	0.006	3	0.91	0.003	0.09	<0.1	0.16	2.3	0.3	0.13	2	2.2	<0.2
1157485	Soil	6	13	0.04	132	0.010	2	0.60	0.002	0.06	<0.1	0.03	2.0	0.2	0.07	4	1.9	<0.2
1157483	Soil	5	13	0.08	227	0.006	2	0.62	0.003	0.09	<0.1	0.06	1.8	0.4	0.11	3	3.5	<0.2
1157480	Soil	5	20	0.05	255	0.006	2	0.48	0.003	0.08	0.1	0.10	1.4	0.3	0.12	3	1.9	<0.2
1157481	Soil	5	12	0.05	149	0.007	2	0.42	0.004	0.06	<0.1	0.06	0.8	0.2	0.08	3	1.7	<0.2
1157477	Soil	11	17	0.10	589	0.002	3	0.39	0.003	0.11	<0.1	0.99	6.4	0.9	0.19	2	6.2	<0.2
1157478	Soil	4	12	0.02	144	0.007	1	0.37	0.008	0.06	<0.1	0.11	0.4	0.2	0.09	3	2.0	<0.2
1157479	Soil	6	18	0.02	307	0.005	2	0.45	0.005	0.07	<0.1	0.13	1.1	0.2	0.10	3	1.6	<0.2
1157476	Soil	5	25	0.04	375	0.009	3	0.50	0.014	0.13	<0.1	0.47	1.1	0.4	0.29	5	9.3	<0.2
1157489	Soil	6	20	0.02	344	0.006	3	0.53	0.009	0.08	<0.1	1.32	0.6	0.2	0.10	4	3.4	<0.2
1157486	Soil	7	15	0.06	130	0.007	2	0.65	0.004	0.08	0.1	0.09	1.5	0.2	0.07	4	1.6	<0.2
1156134	Soil	6	14	0.08	186	0.006	2	0.62	0.003	0.07	0.1	0.05	1.8	0.2	0.07	3	1.8	<0.2
1156132	Soil	5	16	0.08	226	0.006	2	0.63	0.003	0.09	<0.1	0.12	2.0	0.3	0.10	2	2.7	<0.2
1157487	Soil	5	8	0.01	93	0.004	1	0.27	0.007	0.05	<0.1	0.11	0.3	<0.1	0.07	2	1.1	<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
1157488	Soil	4.7	83.2	16.7	262	1.2	42.4	12.2	451	3.69	11.2	1.4	11.4	2.7	27	0.6	2.6	0.2	45	0.04	0.073
1156136	Soil	2.0	34.0	9.1	54	1.4	11.6	2.7	146	1.21	4.9	0.9	7.5	0.3	16	0.4	0.9	0.2	28	0.03	0.063
1156131	Soil	3.7	38.1	10.4	95	0.3	14.9	3.1	68	1.60	7.5	0.7	3.9	0.4	22	0.4	1.4	0.2	43	0.02	0.050
1156133	Soil	4.2	55.6	9.5	122	0.5	18.3	4.3	86	1.61	6.8	0.8	3.8	0.3	18	0.6	1.8	0.2	52	0.01	0.041
1156135	Soil	3.4	55.4	11.2	130	0.6	23.4	13.1	727	2.12	7.6	1.1	6.5	0.4	19	0.7	1.8	0.2	42	0.05	0.062
1156129	Soil	8.3	80.3	13.5	155	0.9	22.4	3.8	76	1.98	11.4	1.5	2.3	0.3	32	0.7	2.8	0.2	64	0.02	0.090
1156130	Soil	5.9	52.2	9.9	138	0.3	20.6	4.2	79	1.76	8.5	0.8	0.8	0.1	20	0.4	2.1	0.2	63	0.01	0.048
1157498	Soil	8.2	161.3	14.9	187	0.8	40.7	7.4	237	3.68	15.0	2.3	8.4	1.4	56	0.5	3.6	0.3	98	0.03	0.084
1157496	Soil	8.7	50.8	11.8	49	0.5	13.4	1.9	100	1.38	10.6	1.7	3.1	0.4	33	0.3	3.5	0.2	74	0.02	0.049
1156128	Soil	8.6	62.1	12.7	157	1.2	24.7	4.3	101	2.41	13.7	1.1	2.4	0.6	42	0.4	3.2	0.2	83	0.02	0.098
1157497	Soil	8.5	72.6	13.1	117	1.0	24.0	4.5	301	2.46	14.0	2.8	1.7	0.5	48	0.8	3.6	0.2	102	0.05	0.064
1157495	Soil	36.3	117.2	14.1	19	1.9	14.8	0.4	16	2.52	22.6	6.8	2.9	1.9	61	<0.1	8.5	0.2	128	0.01	0.055
1157493	Soil	18.0	62.9	19.3	5	6.7	11.8	0.2	6	1.57	9.8	2.3	18.8	0.1	32	<0.1	5.8	0.3	90	0.02	0.046
1157494	Soil	20.8	66.9	23.0	6	7.5	12.1	0.3	6	1.87	11.1	2.5	26.0	0.1	35	<0.1	6.0	0.3	95	0.02	0.046
1157492	Soil	2.9	15.7	5.5	8	1.9	2.0	0.7	51	0.66	2.2	0.7	6.8	<0.1	12	<0.1	1.9	<0.1	33	0.03	0.047
1157491	Soil	4.9	32.8	18.5	28	2.0	7.0	2.2	158	1.79	8.3	0.9	13.3	0.3	26	0.1	4.1	0.3	62	0.04	0.068
1157490	Soil	4.5	28.4	14.1	71	1.5	18.5	5.1	175	2.34	11.1	0.9	19.2	2.8	25	0.2	3.7	0.3	69	0.10	0.069



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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
1157488	Soil	6	17	0.09	199	0.007	2	0.67	0.003	0.11	<0.1	0.31	3.0	0.3	0.10	3	2.7	<0.2
1156136	Soil	4	11	0.06	147	0.004	2	0.48	0.010	0.07	<0.1	0.32	0.7	0.2	<0.05	2	0.9	<0.2
1156131	Soil	5	10	0.05	216	0.006	2	0.53	0.007	0.09	<0.1	0.06	0.8	0.3	0.09	3	1.4	<0.2
1156133	Soil	5	11	0.02	236	0.004	3	0.33	0.003	0.07	<0.1	0.03	0.7	0.2	0.08	3	1.2	<0.2
1156135	Soil	6	12	0.09	171	0.006	2	0.60	0.007	0.08	<0.1	0.11	1.1	0.2	0.06	3	2.3	<0.2
1156129	Soil	4	11	0.02	241	0.004	1	0.44	0.005	0.09	<0.1	0.09	1.0	0.3	0.13	3	2.7	<0.2
1156130	Soil	6	12	0.03	238	0.005	3	0.44	0.003	0.08	<0.1	0.04	0.7	0.2	0.08	3	2.3	<0.2
1157498	Soil	6	26	0.09	310	0.007	2	1.00	0.005	0.11	0.1	0.11	3.1	0.5	0.12	4	4.7	0.2
1157496	Soil	3	28	0.02	180	0.004	3	0.36	0.009	0.08	<0.1	0.11	1.0	0.4	0.09	7	3.0	<0.2
1156128	Soil	5	15	0.05	329	0.005	3	0.53	0.005	0.11	<0.1	0.12	1.5	0.5	0.17	3	4.5	<0.2
1157497	Soil	6	32	0.05	270	0.009	2	0.58	0.006	0.09	0.1	0.10	1.7	0.4	0.09	4	2.6	<0.2
1157495	Soil	6	54	0.02	638	0.003	3	0.40	0.006	0.25	<0.1	0.52	5.2	1.4	0.51	16	8.3	<0.2
1157493	Soil	3	35	0.02	506	0.004	4	0.24	0.003	0.25	<0.1	1.66	1.7	0.6	0.53	4	11.1	0.3
1157494	Soil	3	39	0.02	355	0.004	5	0.27	0.003	0.29	<0.1	1.64	1.3	0.6	0.65	5	14.6	0.3
1157492	Soil	2	14	0.01	202	0.004	1	0.35	0.018	0.08	<0.1	0.25	0.3	0.1	0.15	2	3.8	<0.2
1157491	Soil	7	29	0.07	423	0.009	2	0.60	0.008	0.11	0.1	0.32	0.9	0.3	0.15	6	8.8	<0.2
1157490	Soil	10	32	0.23	368	0.031	1	1.10	0.004	0.08	0.3	0.47	2.0	0.3	0.09	5	4.9	<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	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
Pulp Duplicates																					
1144366	Soil	2.3	84.4	10.4	215	0.6	40.2	9.3	230	3.08	5.6	0.7	9.4	0.7	11	0.2	1.4	0.2	23	0.03	0.047
REP 1144366	QC	2.4	85.9	11.0	220	0.6	41.1	9.3	233	3.12	6.1	0.7	10.2	0.8	13	0.3	1.5	0.2	22	0.03	0.048
1144362	Soil	4.3	60.7	17.3	119	0.3	19.9	8.2	967	3.53	8.9	1.3	3.2	<0.1	9	0.2	1.2	0.4	50	0.03	0.114
REP 1144362	QC	4.4	63.2	17.3	121	0.3	20.7	8.7	1049	3.60	8.8	1.3	3.9	<0.1	9	0.3	1.4	0.4	51	0.04	0.117
1157247	Soil	2.3	43.2	13.3	97	2.9	25.7	5.2	159	3.30	8.9	1.4	9.3	2.5	47	0.3	1.8	0.2	80	0.09	0.078
REP 1157247	QC	2.4	43.8	13.9	100	3.1	24.7	5.2	159	3.30	8.6	1.4	8.6	2.5	50	0.2	2.0	0.3	79	0.08	0.082
1157122	Soil	4.6	141.0	17.2	263	1.3	45.9	15.1	451	5.28	13.5	1.5	2.6	3.1	40	2.3	2.3	0.2	53	0.04	0.104
REP 1157122	QC	4.9	135.5	17.1	252	1.3	43.2	14.1	434	5.08	12.5	1.5	2.9	3.2	42	2.4	2.2	0.2	54	0.04	0.108
1144452	Soil	9.1	86.9	25.9	162	5.1	31.7	5.4	221	2.89	18.4	1.6	5.1	1.6	130	0.8	4.6	0.3	84	0.03	0.086
REP 1144452	QC	9.7	89.7	27.2	161	5.1	31.3	5.4	217	2.96	18.4	1.6	6.8	1.6	133	0.8	4.6	0.3	83	0.03	0.083
1144184	Soil	4.0	62.1	12.0	283	0.9	45.9	9.4	426	3.15	9.6	0.9	3.1	0.6	7	0.6	1.7	0.4	54	0.03	0.046
REP 1144184	QC	4.0	60.8	11.2	261	0.8	41.7	8.7	388	2.91	9.5	0.9	6.2	0.7	7	0.6	1.8	0.3	49	0.02	0.047
1144459	Soil	4.7	48.0	15.9	89	4.0	17.2	3.9	132	2.57	13.8	0.7	2.9	0.6	71	0.4	3.1	0.2	114	0.04	0.104
REP 1144459	QC	4.6	48.9	15.5	90	4.0	17.8	3.8	140	2.71	14.0	0.8	3.6	0.6	75	0.4	3.8	0.2	115	0.04	0.105
1157323	Soil	3.3	71.1	11.3	96	0.2	18.9	6.0	131	2.78	13.2	0.5	3.6	1.6	16	0.1	3.8	0.2	51	0.02	0.031
REP 1157323	QC	3.4	72.0	12.0	98	0.2	19.3	6.5	138	2.90	13.9	0.5	2.2	1.7	17	<0.1	4.1	0.2	53	0.02	0.032
1157312	Soil	5.8	13.9	15.9	27	0.7	5.2	1.4	42	2.02	15.4	0.5	3.0	1.6	42	0.2	3.1	0.3	53	0.02	0.038
REP 1157312	QC	5.9	13.4	15.7	29	0.7	5.6	1.4	42	2.01	14.5	0.4	4.0	1.5	41	0.2	3.1	0.3	51	0.02	0.034
1157193	Soil	4.7	25.1	10.7	53	3.4	15.5	4.3	109	2.02	11.9	0.8	15.7	1.9	18	0.2	3.8	<0.1	62	0.06	0.031
REP 1157193	QC	4.8	25.2	10.8	53	3.4	15.3	4.2	108	1.98	11.5	0.8	16.5	1.9	18	0.2	3.7	0.1	64	0.06	0.031
1157182	Soil	5.8	19.1	10.2	44	2.7	10.1	2.8	85	2.37	12.9	0.6	12.4	1.2	12	0.2	6.8	0.2	89	0.04	0.030
REP 1157182	QC	5.8	19.2	10.4	43	2.8	9.8	2.8	86	2.42	13.1	0.6	11.4	1.2	12	0.2	6.8	0.2	91	0.04	0.031
1157399	Soil	10.1	441.5	13.1	381	1.8	76.7	9.3	104	3.63	17.4	6.3	5.7	3.6	57	1.8	3.7	0.2	86	0.06	0.207
REP 1157399	QC	10.4	443.8	13.0	382	1.8	75.1	9.1	105	3.66	17.1	6.3	7.6	3.6	58	1.6	3.9	0.2	87	0.06	0.208
1157400	Soil	5.5	79.6	15.7	287	0.3	35.1	8.0	150	3.32	10.4	0.7	3.1	1.6	15	1.4	1.4	0.3	45	0.01	0.081
REP 1157400	QC	5.7	80.3	15.8	285	0.3	36.5	8.6	145	3.38	10.3	0.7	2.4	1.6	15	1.4	1.3	0.3	45	0.01	0.078
1157486	Soil	4.4	53.7	14.5	144	0.7	26.3	6.5	182	2.83	10.1	0.7	7.5	0.9	18	0.2	1.9	0.2	59	0.02	0.058
REP 1157486	QC	4.4	50.6	14.7	140	0.7	24.9	6.4	174	2.74	10.3	0.6	7.5	0.8	17	0.2	2.1	0.2	59	0.02	0.057



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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
Pulp Duplicates																		
1144366	Soil	4	11	0.09	133	0.005	1	0.48	0.002	0.06	<0.1	0.11	1.7	0.1	0.09	2	1.8	<0.2
REP 1144366	QC	4	12	0.09	111	0.006	1	0.50	0.002	0.06	<0.1	0.13	1.8	0.1	0.09	2	1.7	<0.2
1144362	Soil	10	19	0.06	206	0.007	4	1.04	0.006	0.12	<0.1	0.12	0.6	0.2	0.10	5	1.2	<0.2
REP 1144362	QC	9	19	0.05	204	0.006	3	1.02	0.006	0.11	<0.1	0.12	0.6	0.1	0.09	5	1.5	0.2
1157247	Soil	10	35	0.16	316	0.019	2	1.23	0.004	0.09	0.2	0.25	2.3	0.2	0.10	5	5.3	<0.2
REP 1157247	QC	10	35	0.16	324	0.019	2	1.27	0.004	0.09	0.1	0.21	2.3	0.2	0.06	5	4.5	<0.2
1157122	Soil	5	23	0.14	649	0.006	1	0.69	0.003	0.17	<0.1	0.13	4.7	0.7	0.20	3	7.2	0.2
REP 1157122	QC	5	23	0.14	620	0.006	<1	0.72	0.004	0.18	<0.1	0.14	4.8	0.7	0.21	3	6.9	<0.2
1144452	Soil	5	22	0.07	369	0.003	<1	0.87	0.004	0.17	<0.1	0.16	2.6	0.4	0.22	3	5.6	0.3
REP 1144452	QC	5	22	0.06	356	0.004	<1	0.82	0.004	0.17	<0.1	0.17	2.7	0.4	0.21	3	5.5	0.3
1144184	Soil	6	16	0.03	172	0.009	3	0.50	0.004	0.10	<0.1	0.11	1.5	0.1	0.11	4	1.7	<0.2
REP 1144184	QC	6	15	0.03	166	0.012	3	0.49	0.004	0.09	0.1	0.09	1.5	0.1	0.06	3	1.7	<0.2
1144459	Soil	8	25	0.07	312	0.011	2	0.88	0.010	0.11	0.1	0.14	1.1	0.3	0.09	6	4.3	<0.2
REP 1144459	QC	9	27	0.08	311	0.017	3	0.88	0.010	0.11	0.1	0.14	1.2	0.3	0.09	6	4.3	<0.2
1157323	Soil	5	17	0.09	1034	0.007	2	0.98	0.003	0.06	0.1	0.03	1.9	0.2	<0.05	4	1.3	<0.2
REP 1157323	QC	5	18	0.10	1091	0.008	3	1.02	0.004	0.07	0.1	0.03	2.2	0.2	<0.05	4	1.1	<0.2
1157312	Soil	5	15	0.05	367	0.014	1	0.63	0.005	0.15	0.1	0.10	1.0	0.5	0.21	4	2.2	0.3
REP 1157312	QC	5	15	0.04	359	0.014	1	0.60	0.005	0.14	0.1	0.09	1.0	0.5	0.21	4	2.2	<0.2
1157193	Soil	9	24	0.19	367	0.026	2	1.07	0.005	0.08	0.2	0.63	1.6	0.2	0.06	5	4.4	<0.2
REP 1157193	QC	9	25	0.20	360	0.027	3	1.10	0.005	0.07	0.2	0.61	1.8	0.2	0.05	5	2.7	<0.2
1157182	Soil	7	27	0.14	162	0.022	1	0.82	0.004	0.07	0.2	0.42	1.1	0.1	0.08	6	6.1	<0.2
REP 1157182	QC	8	27	0.14	168	0.024	2	0.84	0.004	0.07	0.2	0.46	1.2	0.1	0.08	6	6.9	0.3
1157399	Soil	5	20	0.04	502	0.001	3	0.98	0.002	0.10	<0.1	0.40	6.6	0.3	<0.05	2	3.8	<0.2
REP 1157399	QC	5	21	0.04	525	0.001	3	0.97	0.002	0.10	<0.1	0.45	6.9	0.3	<0.05	2	4.2	<0.2
1157400	Soil	2	7	0.03	235	0.002	2	0.50	0.003	0.09	<0.1	0.03	2.1	0.1	0.05	2	2.7	<0.2
REP 1157400	QC	2	7	0.03	218	0.002	2	0.49	0.003	0.08	<0.1	0.04	2.1	0.2	<0.05	2	1.6	<0.2
1157486	Soil	7	15	0.06	130	0.007	2	0.65	0.004	0.08	0.1	0.09	1.5	0.2	0.07	4	1.6	<0.2
REP 1157486	QC	6	15	0.06	130	0.007	2	0.63	0.003	0.07	0.1	0.11	1.6	0.2	0.07	4	1.6	<0.2



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	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	14.1	116.3	129.6	326	1.9	41.2	7.9	636	2.59	26.3	2.7	120.9	7.0	65	2.3	5.8	6.9	45	0.71	0.082
STD DS8	Standard	12.4	106.3	125.9	317	1.8	35.9	7.4	616	2.47	25.2	2.7	115.8	6.7	64	2.6	5.1	6.6	41	0.68	0.079
STD DS8	Standard	11.7	100.9	113.7	288	1.8	34.6	6.7	554	2.30	24.5	2.5	122.4	5.7	60	2.4	4.8	6.1	37	0.65	0.079
STD DS8	Standard	11.2	109.0	125.8	309	1.8	38.6	7.5	613	2.50	26.5	2.7	110.4	6.0	61	2.3	4.8	6.7	41	0.65	0.083
STD DS8	Standard	13.1	110.6	119.7	315	1.7	37.3	7.3	598	2.48	26.7	2.7	118.5	6.7	67	2.5	5.6	6.5	42	0.70	0.083
STD DS8	Standard	12.3	107.4	122.6	325	1.7	39.4	7.6	587	2.44	24.8	2.6	114.1	6.1	62	2.2	5.1	6.2	44	0.69	0.083
STD DS8	Standard	13.6	119.2	125.7	338	1.9	39.6	8.3	671	2.61	26.9	2.7	113.4	6.8	67	2.8	6.4	7.0	45	0.73	0.085
STD DS8	Standard	11.9	110.0	128.4	316	1.8	38.8	7.8	624	2.51	25.3	2.7	127.9	6.6	62	2.1	5.2	6.4	41	0.70	0.088
STD DS8	Standard	11.1	93.8	111.3	278	1.7	33.4	6.3	531	2.22	21.8	2.3	106.3	5.4	54	2.0	4.5	5.5	37	0.62	0.071
STD DS8	Standard	13.0	102.1	122.7	302	1.8	37.1	7.2	598	2.46	23.7	2.8	106.1	6.7	62	2.0	5.2	6.0	39	0.67	0.080
STD DS8	Standard	11.0	99.4	107.2	282	1.6	35.4	6.8	545	2.21	22.7	2.3	97.2	5.4	52	2.0	4.1	5.6	38	0.58	0.072
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	<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



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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
Reference Materials																		
STD DS8	Standard	15	128	0.64	287	0.113	2	0.94	0.092	0.43	3.2	0.19	2.2	5.9	0.16	5	5.0	5.2
STD DS8	Standard	15	114	0.61	277	0.101	3	0.89	0.087	0.41	3.0	0.21	2.0	5.6	0.16	5	5.2	5.0
STD DS8	Standard	13	103	0.55	259	0.094	<1	0.81	0.082	0.41	2.8	0.17	2.1	5.1	0.14	4	5.8	4.5
STD DS8	Standard	12	113	0.59	276	0.101	2	0.89	0.095	0.41	2.7	0.19	2.2	5.4	0.18	5	5.2	4.9
STD DS8	Standard	15	118	0.65	292	0.112	3	0.93	0.091	0.42	3.2	0.20	2.2	5.5	0.19	5	5.7	5.7
STD DS8	Standard	13	117	0.58	280	0.113	2	0.87	0.085	0.41	2.9	0.19	2.6	5.4	0.18	4	6.1	4.8
STD DS8	Standard	15	125	0.67	289	0.130	3	0.96	0.092	0.44	3.0	0.21	1.9	5.5	0.15	5	5.2	5.3
STD DS8	Standard	14	119	0.62	264	0.105	3	0.92	0.092	0.45	2.9	0.20	2.3	5.5	0.19	5	5.2	4.9
STD DS8	Standard	12	103	0.53	250	0.096	2	0.75	0.072	0.38	2.4	0.18	1.5	4.7	0.17	4	4.2	4.2
STD DS8	Standard	15	110	0.59	269	0.116	3	0.91	0.084	0.39	2.9	0.20	2.0	5.5	0.16	4	5.4	5.1
STD DS8	Standard	12	103	0.54	245	0.093	2	0.78	0.070	0.37	2.5	0.16	1.7	4.8	0.15	4	4.6	4.4
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
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: August 05, 2011
Report Date: August 31, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS

WHI11001102.1

CLIENT JOB INFORMATION

Project: PDM
Shipment ID:
P.O. Number
Number of Samples: 209

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	209	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	209	Dry at 60C			VAN
1DX2	209	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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PDM

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August 31, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11001102.1

	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
1056008	Soil	2.0	53.1	70.0	165	0.4	28.2	18.6	1066	4.08	11.6	1.8	2.5	5.4	42	1.2	4.7	0.7	18	0.18	0.103
1004199	Soil	2.2	104.2	30.1	71	0.2	45.5	23.9	427	7.37	19.5	1.4	5.7	7.8	52	0.2	8.4	1.4	51	0.05	0.062
1004195	Soil	2.7	122.0	78.3	194	0.6	53.4	15.0	471	13.39	261.7	1.1	3.0	2.9	34	0.5	8.4	9.0	45	0.13	0.162
1004198	Soil	1.7	245.4	56.5	140	0.2	45.0	40.1	3788	4.96	13.3	0.9	0.9	2.2	24	0.4	3.5	0.6	55	0.15	0.068
1061585	Soil	2.0	41.0	74.8	120	0.1	26.7	14.6	502	3.40	26.6	0.8	1.7	0.8	110	0.4	5.5	0.8	52	0.14	0.086
1056006	Soil	2.2	96.9	36.2	271	0.4	70.1	37.6	4359	6.20	12.0	1.1	10.5	0.4	12	1.6	3.6	0.7	65	0.05	0.159
1056011	Soil	5.1	195.6	36.9	381	0.2	170.3	114.1	2386	9.94	9.4	3.2	1.4	7.0	95	3.6	12.3	1.7	49	0.18	0.124
1056007	Soil	0.7	43.9	59.2	100	<0.1	28.8	36.1	1801	6.33	7.7	0.9	<0.5	6.0	9	0.2	2.2	0.9	24	0.04	0.136
1056009	Soil	4.5	267.1	78.1	307	0.4	131.2	66.7	8781	6.40	13.6	4.9	3.6	3.4	107	2.3	12.0	0.7	58	0.18	0.213
1056010	Soil	28.0	182.1	263.9	809	0.8	151.3	68.5	1655	13.29	75.3	4.3	1.4	2.9	30	1.3	64.4	1.8	76	0.04	0.230
1004200	Soil	1.0	84.0	87.9	71	0.6	25.2	6.8	354	6.95	4.7	1.3	1.2	15.4	31	0.2	23.6	3.9	50	0.02	0.053
1004193	Soil	2.8	48.7	61.3	68	0.3	21.2	6.6	193	4.13	33.7	1.0	3.8	0.3	109	0.2	7.2	2.0	71	0.07	0.109
1056022	Soil	7.5	203.1	147.1	352	1.2	50.1	28.4	929	7.23	72.4	2.3	85.8	6.6	23	1.0	12.4	20.7	43	0.14	0.156
1056024	Soil	10.3	104.5	177.8	252	0.6	22.3	9.2	334	3.92	174.7	1.7	12.6	5.3	33	1.1	36.2	4.1	39	0.07	0.054
1056021	Soil	2.5	68.9	72.7	110	0.3	34.6	19.7	373	5.82	21.8	1.6	17.6	9.7	64	0.8	4.9	5.0	50	0.15	0.066
1056023	Soil	1.2	69.2	186.9	443	1.7	28.5	11.5	558	2.79	297.7	1.0	14.4	7.8	15	2.1	8.3	5.4	37	0.13	0.049
1056026	Soil	1.9	48.5	69.8	118	0.3	15.4	10.7	382	3.09	151.8	1.4	9.8	7.7	318	0.5	11.0	6.8	53	0.31	0.053
1056025	Soil	3.4	58.5	97.0	150	0.4	22.3	7.3	224	2.69	121.9	1.0	16.2	0.7	24	0.6	32.6	3.8	43	0.09	0.069
1056028	Soil	1.2	28.5	109.4	67	0.7	8.7	6.6	393	1.71	97.6	1.8	7.8	0.7	30	0.4	3.1	5.2	33	0.19	0.081
1056027	Soil	1.9	46.1	69.2	116	0.3	15.7	10.4	389	3.02	148.4	1.3	6.7	6.8	299	0.6	10.5	6.1	52	0.32	0.055
1056029	Soil	4.0	29.3	61.7	109	0.5	10.5	3.5	168	2.28	41.0	1.1	9.8	0.7	18	1.3	7.9	2.3	85	0.08	0.071
1004197	Soil	1.4	66.0	84.3	56	0.3	9.8	2.9	223	8.68	41.1	2.0	3.1	14.7	70	0.1	23.7	0.6	53	0.08	0.098
1056013	Soil	14.1	175.9	243.2	238	0.5	65.2	32.0	1069	6.80	20.0	3.0	3.3	5.3	56	0.8	6.2	2.1	137	0.08	0.100
1004196	Soil	0.8	43.0	16.0	38	<0.1	8.0	4.6	195	4.54	8.3	1.7	0.8	22.3	137	0.1	34.4	2.5	30	0.10	0.073
1004194	Soil	16.0	68.6	75.5	104	0.9	17.3	5.1	225	4.10	50.3	5.7	5.0	0.8	78	0.5	9.9	0.8	114	0.08	0.139
1056012	Soil	22.8	84.5	64.7	149	0.7	22.1	7.1	332	4.06	19.4	5.7	4.6	0.3	47	0.5	4.8	1.0	94	0.03	0.183
1056016	Soil	0.3	21.2	22.2	65	<0.1	194.2	32.7	654	4.65	5.5	0.1	<0.5	0.3	106	0.2	1.0	0.1	111	1.46	0.041
1056019	Soil	1.8	99.7	128.1	125	0.5	33.1	16.7	264	7.40	144.1	2.4	1.3	9.6	87	0.5	7.2	3.0	32	0.13	0.096
1056018	Soil	3.7	69.6	57.4	78	0.3	17.9	8.9	567	5.44	29.2	1.9	5.5	3.0	66	0.5	3.6	2.6	45	0.06	0.097
1056015	Soil	1.3	60.8	12.1	72	<0.1	45.6	32.1	947	5.57	1.6	1.7	<0.5	5.6	17	0.1	2.2	1.1	33	0.10	0.037



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Part 2

CERTIFICATE OF ANALYSIS

WHI11001102.1

	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
1056008	Soil	48	17	0.62	281	0.002	3	1.54	0.005	0.21	<0.1	0.02	2.5	0.2	0.15	4	0.8	<0.2
1004199	Soil	15	40	0.77	421	0.067	3	3.71	0.018	0.48	0.1	0.03	4.4	0.7	0.29	9	1.1	<0.2
1004195	Soil	11	49	0.44	101	0.076	2	2.66	0.012	0.17	0.2	0.05	2.5	0.3	0.68	10	2.7	<0.2
1004198	Soil	14	36	1.44	747	0.046	2	3.95	0.007	0.67	0.1	0.09	5.6	0.6	0.07	12	1.0	<0.2
1061585	Soil	16	27	0.47	296	0.024	1	1.82	0.008	0.22	0.2	0.05	1.7	0.3	0.07	6	0.6	<0.2
1056006	Soil	21	49	0.33	269	0.011	3	2.07	0.005	0.15	<0.1	0.12	1.4	0.2	0.14	7	1.1	<0.2
1056011	Soil	38	28	1.59	341	0.033	3	3.06	0.011	0.61	<0.1	0.02	6.5	0.9	0.28	9	1.5	0.2
1056007	Soil	38	32	0.45	252	0.005	4	2.38	0.004	0.29	<0.1	0.04	3.1	0.2	<0.05	7	<0.5	<0.2
1056009	Soil	42	23	0.95	508	0.017	4	2.18	0.007	0.23	0.1	0.10	5.9	0.5	0.13	6	1.5	0.2
1056010	Soil	32	22	0.91	63	0.005	2	2.11	0.003	0.05	0.1	0.05	3.3	0.2	<0.05	4	7.3	0.3
1004200	Soil	28	44	0.61	649	0.039	3	1.85	0.007	0.63	<0.1	0.08	7.5	1.5	0.23	9	1.0	<0.2
1004193	Soil	20	29	0.30	190	0.034	2	1.75	0.025	0.18	0.3	0.11	1.1	0.3	0.24	8	1.1	<0.2
1056022	Soil	15	37	0.59	93	0.028	2	3.61	0.020	0.09	0.3	0.10	3.6	0.2	0.20	10	3.7	0.4
1056024	Soil	19	25	0.44	121	0.016	<1	1.78	0.013	0.07	0.1	0.03	1.9	0.2	0.07	6	1.6	<0.2
1056021	Soil	22	27	0.68	229	0.013	1	2.61	0.036	0.15	0.5	0.04	3.4	0.3	0.22	7	1.1	<0.2
1056023	Soil	17	33	0.66	112	0.006	<1	2.37	0.005	0.08	<0.1	0.03	2.4	0.2	<0.05	6	1.7	<0.2
1056026	Soil	17	18	0.70	504	0.052	<1	2.69	0.016	0.15	0.2	0.04	2.9	0.1	<0.05	7	0.8	<0.2
1056025	Soil	13	28	0.38	118	0.024	1	1.96	0.014	0.08	0.1	0.05	1.8	0.2	0.06	7	1.4	<0.2
1056028	Soil	18	11	0.28	275	0.026	1	1.76	0.022	0.08	0.1	0.08	1.0	0.1	0.07	5	0.8	0.3
1056027	Soil	17	17	0.69	476	0.055	2	2.71	0.018	0.15	0.2	0.03	2.8	0.2	<0.05	7	0.9	0.2
1056029	Soil	15	18	0.14	99	0.046	2	0.73	0.005	0.11	0.2	0.06	1.1	0.1	0.06	6	0.9	0.2
1004197	Soil	23	52	0.66	248	0.120	3	2.70	0.049	0.52	0.1	0.02	5.0	0.5	0.59	11	4.7	<0.2
1056013	Soil	58	48	1.04	482	0.043	2	2.69	0.006	0.57	<0.1	0.04	5.4	0.9	0.23	8	3.0	0.3
1004196	Soil	57	34	0.93	258	0.064	2	2.49	0.051	1.14	<0.1	<0.01	4.9	1.4	0.61	9	0.7	<0.2
1004194	Soil	18	34	0.28	195	0.031	2	1.86	0.027	0.15	0.2	0.09	1.5	0.3	0.23	6	3.7	<0.2
1056012	Soil	23	21	0.09	221	0.004	2	1.10	0.006	0.15	0.2	0.09	0.4	0.3	0.20	4	3.8	<0.2
1056016	Soil	2	276	5.95	784	0.349	1	5.10	0.069	1.62	0.1	0.01	4.8	2.6	<0.05	12	<0.5	<0.2
1056019	Soil	26	26	0.71	258	0.017	<1	2.80	0.017	0.15	<0.1	0.04	2.6	0.3	0.07	7	1.4	<0.2
1056018	Soil	22	32	0.52	199	0.048	2	2.06	0.041	0.40	0.1	0.06	2.5	0.6	0.38	8	0.8	<0.2
1056015	Soil	29	21	0.41	243	0.006	2	1.75	0.004	0.27	<0.1	0.02	4.4	0.5	<0.05	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 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
1056017	Soil	1.5	129.2	87.1	243	0.4	112.4	62.6	1880	7.09	13.3	1.8	3.9	4.0	167	0.5	6.0	5.8	62	0.45	0.066
1056020	Soil	0.4	41.8	13.3	23	0.1	38.1	45.4	815	2.89	3.5	0.9	11.7	7.3	26	<0.1	1.0	1.4	29	0.28	0.062
1056014	Soil	2.8	129.6	34.0	91	0.2	48.4	63.6	2007	5.75	18.5	2.5	0.8	6.0	85	0.3	13.7	0.7	38	0.08	0.073
1060845	Soil	0.8	26.6	38.6	102	0.3	20.3	7.5	221	1.94	6.2	0.7	2.9	3.8	42	0.3	1.6	0.2	21	0.45	0.057
1060848	Soil	0.8	12.2	56.7	87	<0.1	10.6	7.7	340	1.95	5.5	0.4	0.6	2.8	25	0.2	1.0	0.2	29	0.20	0.016
1060846	Soil	1.2	40.0	176.8	174	0.4	26.7	8.6	435	2.32	9.7	0.8	3.2	4.1	40	0.6	2.3	0.2	21	0.49	0.051
1060847	Soil	0.8	22.2	30.6	102	0.1	20.2	11.3	960	2.18	2.5	0.7	<0.5	1.4	73	0.6	0.6	0.3	15	1.08	0.034
1060844	Soil	1.4	25.9	50.6	99	0.4	25.8	9.1	326	2.32	9.4	1.0	3.2	2.9	43	0.5	1.8	0.3	22	0.54	0.052
1060843	Soil	1.4	18.6	66.2	123	0.2	19.3	9.4	258	2.22	8.5	0.8	1.1	3.7	38	0.6	1.5	0.2	19	0.51	0.048
1060842	Soil	1.8	50.9	61.0	195	0.5	37.0	9.5	384	2.36	8.7	0.6	3.4	3.9	31	1.0	2.2	0.3	17	0.39	0.056
1060840	Soil	1.3	30.3	45.1	214	0.6	28.3	11.1	453	2.51	43.4	0.6	5.3	5.0	29	0.8	3.9	0.3	29	0.33	0.067
1060841	Soil	1.3	34.1	66.9	102	0.4	31.9	10.1	542	2.50	8.9	1.1	1.5	4.3	39	0.5	1.7	0.3	24	0.52	0.047
1060646	Soil	1.9	40.6	52.0	175	0.5	26.9	15.7	9959	1.74	8.3	0.4	<0.5	0.2	20	9.4	2.8	0.6	29	0.16	0.118
1060649	Soil	0.3	6.8	5.0	21	0.2	3.7	2.1	694	0.43	0.8	0.1	<0.5	<0.1	14	0.5	0.3	<0.1	11	0.10	0.029
1060647	Soil	0.4	7.4	2.9	5	0.2	1.4	0.5	53	0.23	<0.5	0.2	<0.5	0.1	13	<0.1	0.2	<0.1	4	0.07	0.034
1060839	Soil	0.9	13.4	23.0	105	0.3	11.8	6.1	496	1.51	5.6	0.4	<0.5	0.8	13	0.7	0.8	0.2	25	0.12	0.049
1060837	Soil	1.8	15.5	17.0	221	0.4	19.3	7.4	366	2.56	7.4	0.3	<0.5	0.9	14	2.4	1.1	0.2	40	0.17	0.046
1060835	Soil	2.4	24.3	33.4	189	1.1	21.6	13.6	1392	3.06	8.3	0.7	<0.5	0.7	24	2.6	1.4	0.4	50	0.18	0.081
1060833	Soil	1.8	19.8	25.2	132	0.2	18.3	7.7	587	2.25	12.9	0.6	1.5	0.7	15	0.8	1.9	0.3	46	0.06	0.082
1060648	Soil	16.5	48.2	34.0	207	0.4	32.6	15.3	1210	4.64	28.9	1.2	<0.5	0.7	50	1.3	21.7	0.5	57	0.05	0.115
1060838	Soil	2.3	17.1	23.1	126	0.2	18.0	6.5	324	2.95	13.0	0.5	<0.5	1.1	10	1.1	1.5	0.3	37	0.07	0.058
1060836	Soil	1.8	17.9	21.7	161	0.2	15.4	7.6	537	2.34	8.4	0.4	<0.5	1.5	22	2.1	1.8	0.3	34	0.22	0.061
1060834	Soil	2.8	32.4	30.7	133	0.3	37.7	12.8	563	3.45	16.6	0.9	0.7	1.3	19	0.5	1.9	0.3	53	0.11	0.097
1060650	Soil	3.3	30.9	26.6	137	0.4	29.0	10.3	804	3.19	19.4	1.0	1.1	2.4	16	0.4	3.5	0.3	57	0.06	0.061
1060644	Soil	1.0	36.8	69.4	203	0.6	26.2	37.9	1959	6.36	8.7	1.0	0.5	4.2	10	1.4	3.7	1.1	32	0.04	0.102
1060645	Soil	0.9	36.7	62.1	189	0.6	26.0	34.8	1685	5.85	7.8	1.0	1.7	4.9	9	1.2	3.4	1.1	30	0.04	0.080
1060643	Soil	3.3	35.6	125.8	226	0.8	36.0	16.6	1076	3.78	25.6	1.1	1.6	1.4	35	2.0	4.2	0.8	57	0.13	0.074
1060642	Soil	0.7	30.7	194.3	199	0.8	25.0	21.0	950	2.72	86.0	0.9	0.8	2.0	38	2.1	4.7	0.7	27	0.99	0.062
1060641	Soil	0.9	13.4	67.3	110	0.3	11.1	8.4	887	2.69	9.8	0.5	<0.5	3.9	15	0.9	4.5	0.3	32	0.16	0.028
1060639	Soil	1.4	32.1	411.1	263	1.3	71.0	27.7	1012	5.32	198.7	0.8	<0.5	4.1	114	1.0	8.0	0.6	50	0.28	0.053



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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
1056017	Soil	26	91	1.22	1539	0.093	2	4.20	0.014	0.22	0.2	0.04	4.0	0.7	<0.05	9	0.6	<0.2
1056020	Soil	11	35	0.97	74	0.002	<1	3.43	0.004	0.07	<0.1	0.02	2.0	0.1	<0.05	8	0.8	<0.2
1056014	Soil	42	26	0.44	339	0.031	2	1.76	0.013	0.38	0.1	0.06	3.8	0.4	0.20	5	<0.5	<0.2
1060845	Soil	13	12	0.22	200	0.006	3	0.76	0.007	0.14	<0.1	0.10	2.4	0.1	<0.05	2	1.1	<0.2
1060848	Soil	15	14	0.15	360	0.004	2	1.01	0.006	0.14	<0.1	0.02	1.5	0.1	<0.05	4	<0.5	<0.2
1060846	Soil	14	13	0.20	253	0.003	4	0.81	0.005	0.16	<0.1	0.83	3.3	0.2	<0.05	2	0.9	<0.2
1060847	Soil	3	12	0.24	335	0.003	4	0.84	0.006	0.15	<0.1	0.02	2.4	0.1	<0.05	3	0.6	<0.2
1060844	Soil	11	14	0.28	227	0.006	4	0.82	0.006	0.10	<0.1	0.11	2.7	0.1	<0.05	2	1.4	<0.2
1060843	Soil	18	12	0.21	233	0.004	3	0.72	0.003	0.11	<0.1	0.04	2.1	<0.1	<0.05	2	1.3	<0.2
1060842	Soil	10	9	0.15	211	0.002	4	0.64	0.005	0.15	<0.1	0.20	3.8	0.2	<0.05	2	0.9	<0.2
1060840	Soil	26	16	0.29	140	0.005	2	0.90	0.005	0.13	<0.1	0.09	3.7	0.2	<0.05	3	0.8	<0.2
1060841	Soil	23	16	0.33	307	0.004	3	1.08	0.005	0.13	<0.1	0.08	2.9	0.1	<0.05	3	0.9	<0.2
1060646	Soil	10	12	0.05	474	0.005	2	0.71	0.010	0.08	<0.1	0.06	0.3	0.1	<0.05	3	<0.5	<0.2
1060649	Soil	2	2	0.03	73	0.012	<1	0.37	0.023	0.03	<0.1	<0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
1060647	Soil	2	2	0.02	47	0.010	<1	0.66	0.066	0.08	<0.1	<0.01	1.9	<0.1	<0.05	2	<0.5	<0.2
1060839	Soil	18	10	0.15	232	0.005	1	0.73	0.008	0.09	<0.1	<0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
1060837	Soil	17	15	0.17	267	0.005	3	0.99	0.009	0.14	<0.1	<0.01	1.2	0.2	<0.05	4	<0.5	<0.2
1060835	Soil	18	24	0.21	402	0.015	2	1.10	0.005	0.16	<0.1	<0.01	1.4	0.1	<0.05	6	0.5	<0.2
1060833	Soil	12	16	0.29	261	0.009	3	1.03	0.007	0.12	0.1	<0.01	1.2	0.1	<0.05	4	0.7	<0.2
1060648	Soil	20	16	0.11	173	0.010	3	1.07	0.006	0.12	<0.1	0.03	1.4	0.3	0.06	5	0.9	0.2
1060838	Soil	18	16	0.19	222	0.008	2	0.92	0.005	0.11	0.1	<0.01	1.2	0.1	<0.05	4	0.5	<0.2
1060836	Soil	21	13	0.16	174	0.013	2	0.67	0.008	0.13	<0.1	<0.01	1.1	<0.1	<0.05	4	<0.5	<0.2
1060834	Soil	23	36	0.50	213	0.011	3	1.72	0.004	0.16	<0.1	<0.01	1.7	0.2	<0.05	6	0.6	<0.2
1060650	Soil	16	26	0.38	192	0.021	2	1.38	0.005	0.12	0.2	0.02	2.1	0.2	<0.05	4	0.8	<0.2
1060644	Soil	41	30	0.38	319	0.017	3	2.03	0.003	0.38	0.1	0.02	2.1	0.4	<0.05	7	<0.5	<0.2
1060645	Soil	39	28	0.32	317	0.013	3	1.78	0.003	0.34	<0.1	0.03	2.5	0.4	<0.05	7	<0.5	<0.2
1060643	Soil	24	39	0.74	305	0.030	2	1.87	0.006	0.30	<0.1	0.03	2.0	0.4	<0.05	6	1.5	<0.2
1060642	Soil	11	22	0.42	176	0.033	3	1.59	0.018	0.25	<0.1	0.02	2.1	0.3	0.09	6	<0.5	<0.2
1060641	Soil	11	25	0.46	171	0.018	<1	1.67	0.003	0.15	<0.1	<0.01	1.7	0.2	<0.05	6	<0.5	<0.2
1060639	Soil	24	83	1.40	630	0.052	1	2.97	0.011	0.23	<0.1	<0.01	3.1	0.5	<0.05	8	<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 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
1060640	Soil	1.0	22.0	82.7	148	0.6	31.6	27.6	919	4.09	14.6	0.9	<0.5	3.7	15	1.5	4.7	0.4	32	0.17	0.055
1060638	Soil	4.4	53.6	25.2	210	0.1	116.9	113.5	7132	4.76	12.8	2.6	<0.5	8.0	64	1.2	8.0	1.0	22	0.24	0.078
1061884	Soil	15.0	101.3	31.6	125	0.5	29.0	11.9	749	5.16	28.2	4.0	5.6	1.3	46	0.5	6.8	0.6	97	0.06	0.110
1061883	Soil	10.3	80.0	85.4	151	0.5	40.7	29.1	5094	4.66	22.5	3.5	2.5	0.6	37	1.6	3.8	0.7	125	0.05	0.120
1061881	Soil	4.2	35.5	26.9	103	0.2	24.1	14.6	728	5.03	12.0	1.6	<0.5	1.1	16	0.5	1.5	0.7	31	0.03	0.098
1061882	Soil	30.1	74.4	56.4	116	0.6	21.5	6.3	281	4.34	36.0	5.6	6.5	1.9	94	0.4	7.2	0.6	108	0.04	0.109
1157459	Soil	17.0	33.1	10.7	24	6.6	22.4	0.9	34	1.48	9.6	2.1	9.2	0.6	33	0.2	8.4	0.2	103	0.04	0.122
1157461	Soil	4.3	40.7	10.7	128	0.4	20.2	4.1	86	2.56	16.5	0.8	1.5	0.9	11	0.2	2.3	0.3	62	0.02	0.036
1157463	Soil	2.6	50.5	15.5	115	0.4	27.0	8.9	331	2.99	12.7	0.7	3.0	0.9	13	0.7	1.7	0.3	50	0.03	0.045
1157460	Soil	16.1	34.5	10.5	21	6.6	23.0	0.9	30	1.47	9.1	2.0	9.7	0.6	33	0.2	8.3	0.2	103	0.05	0.124
1157462	Soil	3.0	38.1	12.7	92	1.6	16.6	4.3	113	2.52	11.6	0.9	6.4	0.7	11	0.3	1.7	0.2	46	0.03	0.040
1157464	Soil	3.0	57.4	13.9	115	1.6	27.5	7.8	192	2.96	15.9	0.9	10.2	1.1	22	0.6	2.4	0.2	58	0.05	0.049
1157465	Soil	5.5	68.0	15.7	92	1.8	16.4	4.3	277	2.07	10.9	0.9	1.5	0.1	33	0.6	2.0	0.3	68	0.03	0.101
1157466	Soil	2.2	37.5	12.2	107	0.4	15.5	6.2	359	1.73	6.0	0.5	<0.5	0.4	13	1.6	1.1	0.3	41	0.05	0.058
1157468	Soil	4.2	59.7	12.2	126	1.5	28.4	6.7	151	3.09	12.9	0.7	3.0	1.9	21	0.5	2.2	0.2	62	0.03	0.053
1157467	Soil	4.5	49.1	13.7	130	0.6	23.5	5.3	118	3.48	17.3	0.8	<0.5	1.1	25	0.6	2.2	0.3	76	0.03	0.085
1157469	Soil	1.4	22.2	7.7	58	0.7	9.2	2.7	63	1.23	4.2	0.3	<0.5	0.2	14	0.7	0.7	0.2	38	0.02	0.039
1157470	Soil	3.9	53.9	13.8	125	1.2	22.6	5.3	135	2.62	11.3	0.6	1.1	1.4	25	0.4	1.7	0.3	68	0.03	0.058
1157471	Soil	3.5	40.5	13.1	105	0.9	17.3	4.1	119	2.51	11.8	0.5	<0.5	1.0	20	0.6	1.7	0.3	71	0.02	0.070
1157472	Soil	4.7	78.1	15.1	188	1.1	36.0	14.1	437	3.26	12.4	1.3	5.3	2.0	30	0.9	2.3	0.3	63	0.05	0.086
1157473	Soil	4.2	57.6	13.3	155	1.0	30.0	8.4	285	3.00	11.3	0.9	3.8	1.3	26	0.6	2.1	0.2	60	0.05	0.068
1157451	Soil	1.7	37.7	8.3	90	0.1	13.3	3.4	89	2.00	8.0	0.5	1.0	1.4	11	0.1	1.2	0.3	70	0.03	0.022
1058765	Soil	1.9	147.0	14.0	104	0.4	28.7	6.8	203	3.81	10.4	1.3	3.6	3.6	20	0.3	1.4	0.3	73	0.06	0.069
1157453	Soil	8.9	39.0	14.7	73	5.9	18.4	4.5	158	3.59	15.1	1.0	15.2	1.4	47	0.3	4.3	0.4	100	0.12	0.206
1157452	Soil	7.6	107.1	28.3	184	2.4	35.2	9.5	200	3.68	19.0	1.8	23.5	2.4	52	0.8	4.0	0.3	39	0.02	0.053
1157454	Soil	3.9	28.3	29.4	40	5.9	8.3	1.7	185	2.78	14.4	1.0	26.1	0.2	41	0.1	3.3	0.5	65	0.06	0.130
1157455	Soil	3.2	54.7	22.5	158	1.0	28.6	13.1	895	4.32	11.9	0.9	2.1	1.7	13	0.5	1.6	0.3	57	0.04	0.101
1157456	Soil	3.5	51.7	17.1	123	0.7	23.8	9.2	530	3.43	10.2	0.7	1.5	1.2	14	0.4	1.5	0.3	48	0.06	0.128
1157458	Soil	2.5	67.1	9.2	137	0.6	31.1	8.5	199	2.88	8.5	0.9	4.4	0.7	16	0.6	1.4	0.2	42	0.05	0.065
1157457	Soil	8.1	91.3	31.8	228	1.3	33.5	6.2	131	6.43	19.9	1.2	4.5	8.0	101	0.5	3.9	0.4	51	0.02	0.158



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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
1060640	Soil	31	35	0.60	180	0.008	1	1.79	0.004	0.21	<0.1	0.02	1.5	0.3	<0.05	7	<0.5	<0.2
1060638	Soil	39	29	0.60	368	0.012	<1	2.02	0.007	0.21	<0.1	<0.01	2.6	0.5	0.07	5	0.6	<0.2
1061884	Soil	23	31	0.54	344	0.039	2	1.86	0.012	0.31	0.1	0.05	1.9	0.4	0.30	6	3.2	0.3
1061883	Soil	19	39	0.48	407	0.034	2	1.91	0.006	0.26	0.1	0.02	1.9	0.4	0.17	8	1.1	<0.2
1061881	Soil	38	23	0.28	211	0.008	3	1.51	0.003	0.29	<0.1	0.03	1.1	0.3	0.05	6	0.6	<0.2
1061882	Soil	33	29	0.36	350	0.012	2	1.23	0.009	0.23	0.2	0.05	1.8	0.6	0.26	5	2.9	0.3
1157459	Soil	6	39	0.04	501	0.004	3	0.38	0.003	0.23	<0.1	3.38	1.4	0.5	0.29	2	8.0	<0.2
1157461	Soil	7	16	0.03	215	0.011	2	0.43	0.003	0.10	0.2	0.06	1.1	0.2	<0.05	4	3.1	<0.2
1157463	Soil	8	19	0.13	205	0.016	1	0.87	0.003	0.07	0.2	0.07	1.7	0.1	<0.05	4	1.3	<0.2
1157460	Soil	5	39	0.04	509	0.004	3	0.35	0.002	0.23	<0.1	3.59	1.4	0.4	0.32	2	8.4	<0.2
1157462	Soil	7	18	0.10	234	0.012	2	0.68	0.004	0.09	0.1	0.18	1.3	0.2	0.05	3	2.5	<0.2
1157464	Soil	8	27	0.18	231	0.012	1	1.02	0.004	0.08	0.1	0.21	2.1	0.2	0.06	3	2.4	<0.2
1157465	Soil	6	19	0.03	448	0.003	2	0.72	0.008	0.11	<0.1	0.10	0.6	0.3	0.18	4	2.9	<0.2
1157466	Soil	6	13	0.08	350	0.007	3	0.81	0.006	0.10	<0.1	0.04	0.9	0.2	0.06	3	0.9	<0.2
1157468	Soil	6	21	0.19	224	0.010	3	1.06	0.004	0.09	<0.1	0.11	2.2	0.2	0.07	4	2.6	<0.2
1157467	Soil	7	17	0.12	239	0.012	2	0.86	0.005	0.08	0.1	0.04	1.6	0.3	0.08	5	2.4	<0.2
1157469	Soil	4	8	0.04	212	0.006	2	0.57	0.009	0.07	<0.1	0.03	0.6	0.1	<0.05	3	0.6	<0.2
1157470	Soil	5	20	0.11	293	0.008	2	0.88	0.005	0.09	<0.1	0.08	1.8	0.2	0.08	4	2.4	<0.2
1157471	Soil	8	16	0.07	204	0.021	2	0.70	0.005	0.07	0.1	0.04	1.3	0.2	<0.05	5	1.7	<0.2
1157472	Soil	8	23	0.20	290	0.011	3	0.91	0.004	0.10	<0.1	0.12	2.7	0.2	0.10	3	3.1	<0.2
1157473	Soil	7	21	0.17	236	0.011	2	0.85	0.004	0.08	0.1	0.08	2.1	0.2	0.07	3	2.5	<0.2
1157451	Soil	11	13	0.07	71	0.029	2	0.69	0.006	0.04	0.2	0.03	1.4	0.1	<0.05	6	<0.5	<0.2
1058765	Soil	9	33	0.30	247	0.018	3	1.98	0.005	0.07	0.2	0.07	6.0	0.2	0.09	4	2.0	<0.2
1157453	Soil	7	36	0.23	413	0.022	3	0.85	0.006	0.23	0.2	0.78	2.9	0.5	0.48	5	11.8	0.3
1157452	Soil	3	16	0.08	434	0.005	1	0.57	0.005	0.21	<0.1	0.19	3.5	0.5	0.33	2	5.2	<0.2
1157454	Soil	4	43	0.06	468	0.010	3	0.45	0.005	0.29	0.1	0.61	1.9	0.9	0.57	6	7.9	0.3
1157455	Soil	5	29	0.29	355	0.013	3	1.33	0.004	0.11	<0.1	0.14	2.8	0.5	0.07	5	3.9	<0.2
1157456	Soil	4	22	0.26	522	0.008	3	1.22	0.004	0.10	<0.1	0.16	2.0	0.4	0.07	4	2.0	<0.2
1157458	Soil	8	18	0.23	182	0.013	3	0.99	0.006	0.06	0.1	0.12	1.7	0.4	<0.05	3	2.5	<0.2
1157457	Soil	8	20	0.11	195	0.004	1	0.67	0.012	0.41	<0.1	0.27	4.5	2.0	0.82	3	8.8	<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	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
1053275	Soil	4.5	182.3	34.9	233	1.8	76.4	16.7	1439	1.99	5.6	9.1	1.4	0.7	209	4.1	6.7	0.4	30	1.73	0.097
1053277	Soil	2.5	126.3	106.2	465	2.7	75.4	9.8	785	2.70	7.5	2.7	2.6	2.2	128	4.5	5.9	0.4	34	1.10	0.098
1053276	Soil	4.2	428.6	32.0	439	3.3	154.1	12.6	913	2.16	4.4	5.8	2.9	0.9	215	5.8	6.4	0.4	29	1.48	0.083
1053278	Soil	1.4	134.6	17.2	379	0.7	62.8	8.0	433	1.66	5.3	3.0	1.2	0.9	110	4.0	2.9	0.2	26	1.25	0.059
1053279	Soil	1.6	26.8	19.5	141	0.1	12.4	8.4	260	1.89	4.5	0.4	<0.5	1.1	21	3.1	1.4	0.2	31	0.13	0.035
1053280	Soil	1.2	37.4	30.6	78	0.3	13.4	5.5	142	1.13	3.3	0.8	<0.5	0.8	25	1.4	1.0	0.2	25	0.14	0.038
1053274	Soil	2.0	64.9	51.4	105	0.4	19.4	18.6	904	1.12	2.5	2.0	<0.5	0.4	55	4.0	1.8	0.2	32	0.46	0.062
1053281	Soil	1.8	34.1	61.5	86	0.4	20.9	9.3	328	1.84	7.4	0.8	0.7	1.6	36	0.6	1.6	0.2	30	0.34	0.026
1053283	Soil	1.9	44.0	104.0	185	0.3	29.8	9.7	427	1.99	8.6	0.7	0.8	2.9	44	0.8	1.9	0.2	23	0.39	0.025
1053285	Soil	1.5	52.9	78.5	121	0.4	32.0	8.2	406	2.35	7.7	1.1	2.3	2.9	84	1.0	1.8	0.2	26	0.58	0.034
1053282	Soil	2.1	45.4	105.5	198	0.3	31.5	9.9	411	2.23	10.0	0.7	1.9	3.5	38	0.6	2.1	0.2	24	0.33	0.023
1053284	Soil	2.3	53.5	82.0	196	0.3	28.6	6.4	346	2.14	10.7	1.5	2.4	2.6	68	0.7	2.4	0.3	20	0.46	0.044
1053264	Soil	6.6	190.7	749.9	61	7.9	28.8	21.3	409	3.38	85.6	2.4	49.7	1.1	66	0.5	59.1	14.2	80	0.20	0.127
1053268	Soil	2.7	146.3	28.0	54	0.3	14.1	6.7	260	4.72	19.6	1.1	14.1	0.4	11	0.4	2.8	6.2	45	0.05	0.113
1053265	Soil	0.3	17.7	9.9	11	<0.1	2.9	3.2	97	0.73	3.1	0.3	5.0	0.1	15	0.1	0.3	0.4	22	0.16	0.063
1053262	Soil	5.0	203.6	89.1	165	0.6	31.5	23.6	527	4.90	76.1	1.6	27.0	1.7	63	1.1	7.0	3.5	37	0.14	0.124
1053273	Soil	2.9	79.5	45.7	233	0.7	43.9	12.6	397	2.37	11.0	6.2	2.8	1.3	107	1.7	4.7	1.1	60	0.84	0.062
1053266	Soil	4.8	130.2	724.8	161	4.3	26.2	10.8	511	5.80	306.0	1.4	17.5	2.3	31	0.9	76.8	13.2	107	0.16	0.071
1053267	Soil	4.3	41.6	28.5	59	0.7	11.9	4.2	356	2.94	18.7	1.1	11.7	1.3	14	0.5	2.7	5.0	101	0.06	0.060
1053269	Soil	3.7	71.5	76.2	108	0.4	26.6	12.2	486	3.32	41.4	1.2	35.6	1.0	26	0.5	5.0	22.6	72	0.12	0.063
1053270	Soil	2.6	75.9	49.4	130	0.5	27.2	12.3	488	3.18	24.6	1.4	39.9	1.9	16	1.0	3.0	17.5	75	0.10	0.069
1053271	Soil	3.3	39.9	23.2	130	0.4	18.2	7.0	307	2.64	15.4	0.8	2.1	2.0	32	1.5	4.2	2.9	77	0.05	0.046
1053272	Soil	2.1	25.4	27.5	156	0.3	19.3	10.6	415	2.35	11.1	0.6	2.0	1.9	16	2.1	2.4	1.1	70	0.07	0.047
1053263	Soil	8.6	99.3	72.7	76	0.4	22.1	12.5	319	2.88	61.6	1.8	50.5	0.7	60	1.0	3.6	2.3	50	0.19	0.104
1053287	Soil	1.3	11.3	18.3	57	<0.1	7.5	4.1	181	1.47	5.6	0.3	1.0	1.9	16	0.2	0.6	0.2	25	0.09	0.012
1053286	Soil	1.0	51.8	31.5	73	0.4	29.4	6.5	419	1.58	3.9	1.8	2.0	0.7	96	0.9	1.0	0.2	22	0.96	0.049
1053288	Soil	0.9	39.6	29.5	108	0.4	30.0	6.0	402	1.47	3.8	1.4	1.8	0.8	84	1.0	0.9	0.2	20	0.96	0.049
1053290	Soil	1.3	16.3	23.4	103	<0.1	9.9	10.0	816	1.80	7.8	0.4	<0.5	1.5	9	0.7	1.0	0.3	29	0.06	0.034
1053291	Soil	0.9	17.0	32.3	118	0.1	15.5	6.6	341	1.79	6.6	0.6	0.5	2.5	33	0.5	1.0	0.2	19	0.33	0.033
1053292	Soil	1.1	77.1	26.1	148	0.6	37.0	9.5	933	2.17	5.1	1.6	2.1	1.7	82	1.0	0.9	0.2	31	0.91	0.052



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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
1053275	Soil	34	16	0.27	198	0.013	3	1.25	0.018	0.08	<0.1	0.08	1.7	0.2	0.10	3	3.8	<0.2
1053277	Soil	30	16	0.53	149	0.005	4	1.45	0.009	0.12	<0.1	0.14	3.1	0.5	0.07	3	2.3	<0.2
1053276	Soil	22	21	0.31	180	0.020	4	1.11	0.015	0.09	0.1	0.22	2.7	0.5	0.09	3	2.9	<0.2
1053278	Soil	21	16	0.35	134	0.020	6	0.92	0.016	0.09	<0.1	0.06	2.3	0.3	0.07	3	2.1	<0.2
1053279	Soil	14	11	0.15	139	0.009	2	0.71	0.011	0.11	<0.1	0.02	1.1	0.1	<0.05	3	0.6	<0.2
1053280	Soil	18	8	0.07	181	0.008	2	0.57	0.007	0.08	<0.1	0.02	1.0	0.1	<0.05	3	0.8	<0.2
1053274	Soil	7	8	0.11	198	0.035	2	0.64	0.026	0.05	<0.1	0.02	0.8	<0.1	<0.05	3	1.1	<0.2
1053281	Soil	16	12	0.14	201	0.009	3	0.66	0.005	0.09	<0.1	0.03	1.9	0.1	<0.05	3	1.1	<0.2
1053283	Soil	13	13	0.25	170	0.014	3	0.80	0.012	0.09	<0.1	0.04	2.3	0.2	<0.05	3	1.1	<0.2
1053285	Soil	15	14	0.27	218	0.007	3	0.92	0.014	0.10	<0.1	0.07	3.4	0.1	<0.05	3	1.3	<0.2
1053282	Soil	13	14	0.24	167	0.010	3	0.77	0.009	0.09	<0.1	0.04	2.5	0.2	<0.05	2	1.2	<0.2
1053284	Soil	14	11	0.20	137	0.005	4	0.59	0.006	0.11	<0.1	0.07	2.6	0.2	<0.05	2	0.9	<0.2
1053264	Soil	18	29	0.98	432	0.043	1	2.72	0.011	0.17	0.2	0.11	2.7	0.2	0.17	8	1.9	0.6
1053268	Soil	9	19	0.24	122	0.032	<1	1.92	0.011	0.11	0.2	0.11	1.2	0.2	0.15	6	1.4	0.3
1053265	Soil	3	3	0.06	30	0.037	<1	0.44	0.030	0.03	<0.1	0.02	0.4	<0.1	<0.05	2	<0.5	<0.2
1053262	Soil	15	28	0.38	403	0.016	2	2.54	0.010	0.06	0.2	0.15	1.5	0.1	0.14	7	3.6	0.5
1053273	Soil	17	26	0.46	250	0.037	2	1.78	0.017	0.11	0.2	0.03	2.5	0.2	0.05	5	1.5	<0.2
1053266	Soil	12	31	0.54	214	0.118	2	1.61	0.011	0.22	0.2	0.07	3.0	0.3	0.14	10	1.6	0.3
1053267	Soil	13	27	0.27	182	0.059	4	1.21	0.006	0.18	0.2	0.07	2.1	0.2	0.09	9	1.1	0.2
1053269	Soil	18	28	0.55	185	0.039	3	1.68	0.008	0.12	0.3	0.03	1.6	0.2	0.05	7	0.7	0.3
1053270	Soil	20	35	0.56	219	0.044	4	1.87	0.008	0.12	0.4	0.04	2.3	0.2	0.07	6	1.4	0.3
1053271	Soil	11	22	0.26	274	0.037	3	1.16	0.014	0.12	0.2	0.02	1.5	0.2	0.10	5	1.2	<0.2
1053272	Soil	12	23	0.32	178	0.042	3	1.11	0.009	0.13	0.2	0.01	1.7	0.2	<0.05	5	<0.5	<0.2
1053263	Soil	12	23	0.52	168	0.026	3	1.98	0.013	0.08	0.1	0.08	1.6	0.1	0.17	6	1.1	0.4
1053287	Soil	6	10	0.12	88	0.005	3	0.60	0.005	0.08	<0.1	<0.01	0.9	<0.1	<0.05	3	<0.5	<0.2
1053286	Soil	9	11	0.20	245	0.015	3	0.85	0.014	0.07	<0.1	0.10	1.7	0.1	0.07	3	2.6	<0.2
1053288	Soil	7	11	0.20	319	0.004	4	0.86	0.015	0.09	<0.1	0.14	1.9	0.1	0.07	2	2.4	<0.2
1053290	Soil	11	11	0.13	161	0.007	2	0.73	0.004	0.10	0.1	<0.01	1.1	0.1	<0.05	3	1.0	<0.2
1053291	Soil	7	12	0.20	199	0.004	3	0.71	0.011	0.09	<0.1	0.04	2.2	0.1	<0.05	2	1.0	<0.2
1053292	Soil	18	19	0.24	685	0.004	2	1.29	0.008	0.09	<0.1	0.18	3.7	<0.1	<0.05	4	1.4	<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 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
1053289	Soil	1.0	25.1	45.8	191	0.3	22.8	8.8	248	3.01	6.8	1.7	2.8	2.5	55	1.3	1.2	0.3	30	0.54	0.086
1144046	Soil	4.7	23.0	11.7	69	0.5	15.3	3.8	119	2.21	13.5	0.9	4.5	1.4	40	0.2	2.3	0.2	55	0.05	0.053
1144042	Soil	2.6	32.2	4.1	56	0.3	11.7	2.6	63	1.34	4.1	0.3	0.8	0.7	9	0.2	0.8	0.1	36	0.03	0.023
1144043	Soil	1.2	12.3	3.6	19	0.5	2.7	1.0	81	0.83	2.1	0.2	<0.5	<0.1	20	0.2	0.6	<0.1	28	0.06	0.029
1144045	Soil	3.9	19.2	10.1	71	0.3	17.5	4.7	145	2.50	9.3	0.5	1.5	1.8	21	0.3	1.4	0.2	61	0.06	0.043
1144044	Soil	3.0	13.9	5.2	38	0.5	6.2	1.3	38	1.05	6.0	0.3	0.7	0.2	18	<0.1	1.2	0.1	46	0.02	0.026
1144041	Soil	4.5	12.8	11.4	32	0.8	5.2	1.3	41	1.43	7.5	0.3	2.1	0.7	20	0.1	2.2	0.2	60	0.02	0.029
1144023	Soil	1.6	12.8	6.0	42	0.4	9.9	3.1	105	1.80	7.9	0.5	2.0	0.4	9	0.3	1.0	0.1	41	0.04	0.034
1144018	Soil	6.9	37.5	8.8	99	2.2	20.7	3.2	250	2.08	12.0	1.9	7.5	0.1	60	0.5	3.4	0.2	96	0.05	0.076
1144025	Soil	2.6	13.9	6.7	41	0.4	8.1	2.1	73	1.21	7.6	0.4	0.9	0.2	13	0.3	1.5	0.2	53	0.03	0.024
1144016	Soil	20.0	190.2	9.8	1134	2.1	158.5	10.0	958	6.01	21.8	3.2	3.0	0.5	30	5.9	8.2	0.2	294	0.04	0.106
1144017	Soil	10.4	87.3	10.6	247	1.5	43.1	4.6	292	3.27	17.4	3.2	8.3	0.4	102	0.7	4.5	0.2	167	0.07	0.147
1144019	Soil	4.5	21.3	10.3	59	1.3	13.8	4.3	166	2.17	12.8	1.1	13.6	0.3	26	0.2	3.0	0.2	65	0.08	0.059
1144021	Soil	2.6	20.2	9.4	67	0.9	16.0	4.6	186	2.32	11.5	0.7	6.8	1.3	12	0.2	2.0	0.3	58	0.05	0.039
1144027	Soil	3.9	18.7	9.4	51	0.9	10.5	2.9	85	1.67	10.1	0.6	2.5	0.3	17	0.3	1.7	0.2	61	0.03	0.037
1144026	Soil	3.4	18.4	6.9	40	0.7	9.4	2.7	82	1.63	8.2	0.5	3.4	0.4	18	0.3	1.6	0.1	44	0.05	0.031
1144028	Soil	3.8	18.5	9.7	54	0.7	11.1	3.2	92	1.82	10.5	0.6	2.2	0.7	17	0.3	1.8	0.2	63	0.03	0.037
1144020	Soil	2.5	13.1	8.1	39	0.5	7.1	2.3	104	1.65	8.3	0.4	2.4	0.4	14	0.2	1.7	0.2	56	0.05	0.033
1144024	Soil	2.4	16.8	9.6	49	0.6	11.0	3.6	120	2.19	11.5	0.6	1.2	0.6	14	0.2	1.3	0.2	64	0.05	0.055
1144022	Soil	0.7	9.3	3.1	20	0.2	3.1	1.3	139	0.55	1.3	0.2	0.8	<0.1	8	0.3	0.4	0.1	19	0.04	0.035
1144032	Soil	1.4	17.6	5.4	24	0.3	5.9	1.5	69	0.82	3.8	0.3	<0.5	<0.1	11	0.2	0.9	0.2	34	0.06	0.042
1144029	Soil	3.5	27.6	11.3	63	1.3	16.3	4.4	148	3.61	18.9	0.9	10.1	2.8	27	0.3	3.8	0.2	128	0.09	0.081
1144037	Soil	3.9	14.6	8.1	44	0.6	9.8	2.3	77	1.45	6.9	0.7	1.9	0.2	10	0.1	1.1	0.2	51	0.04	0.027
1144035	Soil	2.1	12.8	6.4	30	0.6	6.7	2.0	67	1.51	7.3	0.5	1.9	0.1	9	0.1	1.1	0.2	44	0.03	0.035
1144031	Soil	2.4	11.6	9.1	47	0.9	8.6	2.5	145	1.42	7.4	0.4	2.1	1.2	11	0.3	1.2	0.3	52	0.04	0.036
1144030	Soil	3.6	29.5	11.3	64	0.9	18.5	5.6	184	2.74	14.4	1.0	10.2	2.4	26	0.4	2.6	0.2	81	0.15	0.091
1144034	Soil	2.0	14.1	7.0	35	0.6	6.6	2.1	103	1.00	6.0	0.4	1.4	<0.1	7	0.1	1.0	0.2	36	0.02	0.029
1144033	Soil	2.6	17.9	8.7	49	0.7	12.0	3.2	118	2.03	10.7	0.6	3.0	0.1	11	0.2	1.6	0.2	47	0.04	0.044
1144036	Soil	4.8	14.4	10.7	55	0.6	11.3	2.5	91	1.82	9.8	0.8	3.3	0.5	9	0.2	1.3	0.3	56	0.04	0.032
1144038	Soil	4.7	19.1	11.3	83	1.9	16.8	4.3	154	2.35	11.5	0.9	1.4	1.6	9	0.3	1.6	0.3	61	0.04	0.045



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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
1053289	Soil	9	20	0.37	420	0.008	4	1.12	0.007	0.10	<0.1	0.18	2.7	<0.1	0.05	3	1.4	<0.2
1144046	Soil	8	22	0.16	412	0.012	2	0.92	0.004	0.08	0.1	0.06	1.6	0.3	0.08	4	1.7	<0.2
1144042	Soil	4	7	0.02	89	0.013	<1	0.46	0.014	0.04	<0.1	0.01	1.1	<0.1	0.06	3	<0.5	<0.2
1144043	Soil	3	8	0.02	152	0.007	2	0.23	0.017	0.04	<0.1	0.02	0.3	<0.1	<0.05	2	<0.5	<0.2
1144045	Soil	9	20	0.20	191	0.024	1	0.98	0.005	0.07	0.2	0.03	1.4	0.2	0.05	5	1.3	<0.2
1144044	Soil	5	9	0.02	202	0.012	1	0.40	0.010	0.05	0.1	0.01	0.5	0.2	0.06	3	1.2	<0.2
1144041	Soil	6	12	0.03	220	0.015	1	0.33	0.004	0.08	0.1	0.03	0.6	0.2	0.13	4	3.2	<0.2
1144023	Soil	8	16	0.15	141	0.023	1	0.79	0.008	0.06	0.2	0.08	0.9	<0.1	<0.05	4	1.2	<0.2
1144018	Soil	9	34	0.11	235	0.008	2	0.97	0.007	0.07	0.1	0.23	0.4	0.4	0.11	6	6.7	<0.2
1144025	Soil	9	11	0.05	174	0.018	2	0.42	0.007	0.05	0.1	0.03	0.5	0.2	0.05	4	1.5	<0.2
1144016	Soil	10	43	0.06	214	0.008	1	1.03	0.005	0.04	0.1	0.29	2.5	0.7	0.05	4	18.6	<0.2
1144017	Soil	10	68	0.16	387	0.009	3	1.09	0.005	0.08	0.1	0.17	2.0	0.7	0.13	9	10.7	0.4
1144019	Soil	12	23	0.20	228	0.019	<1	0.88	0.007	0.09	0.2	0.37	1.0	0.3	0.11	5	4.1	<0.2
1144021	Soil	11	21	0.23	172	0.032	6	1.07	0.005	0.09	0.2	0.20	1.5	0.3	0.09	5	2.4	<0.2
1144027	Soil	10	15	0.08	362	0.013	2	0.67	0.004	0.08	0.2	0.07	0.8	0.3	0.08	5	2.1	<0.2
1144026	Soil	7	15	0.12	291	0.017	1	0.70	0.008	0.07	0.1	0.10	0.7	0.3	0.11	3	2.3	<0.2
1144028	Soil	9	16	0.10	357	0.017	1	0.70	0.003	0.08	0.2	0.05	1.0	0.3	0.09	5	1.9	<0.2
1144020	Soil	8	14	0.06	203	0.027	1	0.53	0.008	0.09	0.1	0.04	0.7	0.3	0.09	5	1.6	<0.2
1144024	Soil	9	18	0.15	219	0.031	2	0.91	0.008	0.08	0.1	0.08	1.0	0.2	0.05	5	1.8	<0.2
1144022	Soil	4	6	0.02	128	0.004	<1	0.37	0.019	0.04	0.1	0.02	0.2	<0.1	0.05	2	0.6	<0.2
1144032	Soil	7	10	0.02	220	0.004	<1	0.43	0.010	0.04	<0.1	0.02	<0.1	0.1	0.05	3	1.1	<0.2
1144029	Soil	10	35	0.23	309	0.041	2	0.95	0.005	0.12	0.3	0.17	1.9	0.5	0.16	6	4.5	0.2
1144037	Soil	10	14	0.11	123	0.015	1	0.84	0.008	0.04	0.1	0.07	0.5	0.2	<0.05	4	1.3	<0.2
1144035	Soil	9	12	0.05	132	0.013	2	0.61	0.009	0.04	0.1	0.04	0.3	0.1	<0.05	4	0.6	<0.2
1144031	Soil	11	14	0.05	209	0.034	2	0.50	0.003	0.06	0.2	0.04	0.7	0.2	0.06	5	1.6	<0.2
1144030	Soil	9	29	0.26	330	0.029	4	0.91	0.005	0.10	0.3	0.14	1.6	0.3	0.18	4	3.8	<0.2
1144034	Soil	9	8	0.02	139	0.012	2	0.46	0.006	0.04	0.1	0.01	0.1	0.1	<0.05	4	1.2	<0.2
1144033	Soil	7	16	0.13	211	0.016	4	0.69	0.006	0.07	0.2	0.10	0.5	0.2	0.08	5	1.8	<0.2
1144036	Soil	10	16	0.14	131	0.017	2	1.01	0.005	0.05	0.2	0.08	0.9	0.3	<0.05	5	1.4	<0.2
1144038	Soil	10	19	0.15	140	0.021	2	0.97	0.004	0.06	0.2	0.19	1.2	0.2	<0.05	5	0.9	<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
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1
1144040	Soil				0.3	10.4	1.9	7	0.8	1.7	1.0	28	0.44	0.7	0.2	0.6	0.2	8	<0.1	<0.1	<0.1
1144039	Soil				0.4	10.4	3.3	13	0.3	1.9	1.2	54	0.53	1.6	0.2	<0.5	<0.1	7	0.1	0.2	0.1
1061926	Soil				5.8	38.5	15.2	65	5.9	11.3	1.9	50	2.38	9.5	1.2	15.7	0.5	60	0.3	3.5	0.3
1061923	Soil				2.5	27.6	10.2	81	0.3	14.2	3.9	167	2.96	8.1	0.3	2.8	0.3	7	0.3	0.8	0.3
1061932	Soil				8.8	89.6	15.6	98	2.9	25.4	5.7	216	2.60	11.9	2.4	9.4	0.8	56	0.5	3.5	0.2
1061933	Soil				5.0	58.9	12.2	63	3.2	21.1	4.2	154	1.32	6.9	1.7	9.0	0.3	37	0.5	2.4	0.2
1061934	Soil				6.0	100.6	11.4	41	3.3	18.3	2.8	125	1.05	4.7	2.9	18.5	0.2	33	1.1	2.2	0.2
1061931	Soil				8.8	90.2	15.1	101	2.9	26.2	5.1	194	2.63	11.1	2.4	8.7	1.0	52	0.4	3.6	0.2
1061929	Soil				3.1	112.6	18.5	221	0.8	51.2	13.8	489	4.60	11.1	1.8	4.6	3.2	25	0.5	1.9	0.2
1061930	Soil				4.7	96.3	14.7	146	1.9	33.6	8.4	267	3.54	12.4	2.0	6.9	2.7	37	0.6	2.6	0.2
1061927	Soil				3.4	78.8	18.1	101	0.4	20.8	5.5	83	2.08	8.6	0.6	2.0	0.2	17	0.2	1.5	0.4
1061928	Soil				1.5	32.2	4.6	33	0.2	7.6	2.4	78	1.10	3.1	0.5	2.1	<0.1	8	0.2	0.4	0.1
1061925	Soil				2.1	29.5	7.9	58	0.3	11.6	3.1	300	1.58	5.5	0.5	1.1	0.1	13	0.2	0.8	0.2
1061924	Soil				1.7	34.5	6.9	64	0.3	13.4	3.5	64	1.48	4.3	0.5	<0.5	<0.1	10	0.3	0.6	0.2
1061935	Soil				0.6	13.4	1.6	18	0.9	3.5	0.9	39	0.37	0.8	0.2	<0.5	<0.1	6	0.1	0.2	<0.1
1061941	Soil				5.1	52.5	12.6	183	0.6	33.8	12.5	502	2.82	12.3	1.0	4.8	1.4	16	0.3	1.9	0.3
1061943	Soil				2.2	32.4	6.4	79	0.5	17.1	6.6	295	1.49	5.1	0.5	1.7	1.0	10	0.3	0.8	0.1
1061944	Soil				5.0	100.4	12.4	238	0.6	57.7	13.4	447	3.10	10.5	2.0	7.2	2.8	29	0.9	2.1	0.2
1061942	Soil				0.1	4.3	0.7	6	0.2	1.0	0.7	19	0.28	<0.5	0.2	0.6	<0.1	6	<0.1	<0.1	<0.1
1061940	Soil				5.0	69.1	15.0	199	0.7	44.9	13.8	641	3.27	12.2	1.1	5.6	2.6	23	0.5	1.8	0.2
1061939	Soil				3.4	54.3	10.7	131	0.5	28.2	9.3	412	2.20	7.8	0.8	1.8	0.4	16	0.9	1.2	0.2
1061938	Soil				2.9	53.5	9.3	88	0.8	19.2	4.0	116	1.49	8.9	0.5	1.3	0.2	21	0.2	1.2	0.2
1061937	Soil				5.9	143.6	19.4	284	2.1	68.9	16.2	368	4.29	14.2	1.3	6.5	3.0	54	0.9	2.9	0.3
1061936	Soil				4.5	65.2	13.9	132	1.7	25.5	5.7	187	2.51	10.3	0.8	1.8	0.4	33	0.2	1.8	0.2
1156080	Soil				3.0	76.9	7.7	165	0.3	38.3	9.5	171	2.21	6.7	0.4	1.2	0.4	13	0.2	1.4	0.2
1144137	Soil				5.6	26.2	13.0	55	1.4	16.9	4.7	133	2.81	12.8	0.7	16.6	3.4	34	0.2	3.8	0.3
1144141	Soil				3.9	19.5	14.0	60	1.9	15.5	4.7	170	2.84	13.6	0.6	3.1	1.7	13	0.1	2.1	0.3
1144125	Soil				5.2	54.0	13.6	109	1.0	22.5	5.5	165	3.22	18.3	1.2	13.5	2.7	57	0.3	2.9	0.2
1144126	Soil				80.4	787.4	11.7	2551	4.3	604.1	17.0	3004	4.93	36.0	24.1	5.2	3.5	193	44.9	13.6	0.2
1144130	Soil				6.4	64.6	21.6	70	1.0	13.4	2.2	67	2.79	11.9	1.3	14.8	4.1	78	0.3	2.6	0.4



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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
1144040	Soil	2	3	0.02	60	0.026	2	0.67	0.022	0.02	<0.1	0.02	1.0	<0.1	<0.05	2	<0.5
1144039	Soil	5	4	0.03	57	0.017	1	0.46	0.015	0.02	<0.1	<0.01	0.4	<0.1	<0.05	3	<0.5
1061926	Soil	5	28	0.07	543	0.005	4	0.56	0.004	0.21	<0.1	0.54	0.9	0.6	0.43	3	9.3
1061923	Soil	4	13	0.07	220	0.005	3	0.81	0.004	0.08	<0.1	0.05	1.0	0.2	0.08	5	1.3
1061932	Soil	5	26	0.09	516	0.007	4	0.60	0.005	0.16	<0.1	0.68	2.2	0.5	0.28	3	7.1
1061933	Soil	4	23	0.07	390	0.005	4	0.54	0.005	0.11	<0.1	0.84	1.1	0.4	0.15	3	4.9
1061934	Soil	5	26	0.04	329	0.004	4	0.74	0.006	0.10	<0.1	1.20	1.2	0.7	0.15	3	3.9
1061931	Soil	5	27	0.09	568	0.007	3	0.59	0.004	0.16	<0.1	0.65	2.3	0.5	0.27	3	6.8
1061929	Soil	6	21	0.16	323	0.009	3	0.78	0.004	0.11	0.1	0.15	3.6	0.3	0.11	3	3.2
1061930	Soil	8	24	0.19	554	0.012	3	0.83	0.007	0.15	0.2	0.28	3.3	0.3	0.26	3	4.8
1061927	Soil	6	20	0.03	218	0.004	4	0.65	0.003	0.07	<0.1	0.06	0.7	0.1	0.10	4	1.5
1061928	Soil	3	6	0.03	104	0.008	2	0.59	0.016	0.03	<0.1	0.04	0.2	<0.1	0.08	3	0.5
1061925	Soil	3	13	0.04	151	0.003	2	0.63	0.009	0.05	<0.1	0.04	0.2	0.1	0.06	3	1.0
1061924	Soil	5	11	0.03	123	0.006	3	0.73	0.009	0.05	<0.1	0.04	0.2	0.1	0.06	3	1.3
1061935	Soil	1	3	0.01	30	0.008	2	0.13	0.016	0.03	<0.1	0.02	0.2	<0.1	<0.05	<1	<0.5
1061941	Soil	8	22	0.15	151	0.011	2	1.06	0.004	0.08	0.1	0.08	2.0	0.2	0.06	5	2.4
1061943	Soil	4	11	0.11	94	0.007	2	0.75	0.014	0.06	<0.1	0.03	1.2	<0.1	<0.05	2	0.9
1061944	Soil	10	17	0.21	337	0.013	3	0.66	0.004	0.09	<0.1	0.12	3.3	0.1	<0.05	2	1.5
1061942	Soil	<1	1	0.01	19	0.011	<1	0.18	0.021	0.02	<0.1	0.02	0.1	<0.1	<0.05	<1	<0.5
1061940	Soil	8	24	0.20	211	0.010	3	1.08	0.004	0.10	<0.1	0.08	2.9	0.2	0.05	4	2.2
1061939	Soil	7	13	0.09	198	0.009	2	0.69	0.008	0.07	<0.1	0.05	1.2	0.2	<0.05	3	1.5
1061938	Soil	5	12	0.03	108	0.009	2	0.37	0.011	0.06	<0.1	0.04	0.7	<0.1	<0.05	3	1.5
1061937	Soil	7	33	0.15	248	0.006	3	1.36	0.003	0.10	<0.1	0.14	4.3	0.2	0.08	4	4.5
1061936	Soil	6	17	0.05	185	0.010	1	0.65	0.007	0.08	<0.1	0.08	1.5	0.2	0.06	4	2.7
1156080	Soil	7	12	0.04	101	0.009	2	0.45	0.007	0.05	0.1	0.02	1.7	<0.1	<0.05	4	1.4
1144137	Soil	9	34	0.25	356	0.019	2	1.36	0.004	0.13	0.3	0.32	3.0	0.5	0.23	5	3.7
1144141	Soil	9	29	0.24	189	0.035	<1	1.02	0.006	0.08	0.2	0.19	1.9	0.2	0.08	7	3.4
1144125	Soil	8	32	0.21	380	0.017	2	0.89	0.005	0.20	0.2	0.18	2.9	0.6	0.36	4	5.5
1144126	Soil	39	73	0.28	2478	0.008	6	1.37	0.011	0.14	<0.1	3.12	10.2	2.0	0.06	4	21.3
1144130	Soil	4	26	0.05	291	0.006	2	0.68	0.005	0.33	<0.1	0.36	3.5	1.5	0.63	3	17.5



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Report Date:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11001102.1

	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
1144135	Soil	3.8	36.4	14.0	6	4.6	4.0	0.3	16	1.38	8.7	1.6	38.4	1.5	38	<0.1	4.7	0.2	53	0.02	0.087
1144133	Soil	11.6	17.6	16.2	36	3.2	9.5	2.5	83	2.49	18.5	0.8	28.1	1.7	37	0.1	5.5	0.3	82	0.06	0.087
1144142	Soil	2.9	19.6	10.6	70	0.3	18.1	5.5	193	2.82	14.2	0.7	4.8	1.5	13	0.3	1.8	0.3	82	0.08	0.048
1144127	Soil	14.5	94.7	13.7	117	9.7	24.4	1.5	116	2.13	13.0	2.0	20.4	1.3	150	1.0	6.9	0.2	111	0.06	0.098
1144131	Soil	6.2	141.5	11.4	198	0.9	61.9	9.3	822	3.53	13.9	1.4	14.5	1.3	53	0.9	4.2	0.2	91	0.05	0.066
1144138	Soil	6.5	18.3	18.2	71	5.0	14.2	1.9	93	2.37	7.2	0.5	7.6	0.2	38	0.2	3.8	0.3	79	0.07	0.070
1144140	Soil	2.9	22.8	9.0	60	1.3	16.0	4.7	158	2.29	13.6	0.8	5.0	1.4	18	0.2	1.8	0.2	65	0.10	0.060
1144144	Soil	12.2	28.4	15.1	56	4.8	14.4	4.4	178	3.71	20.8	1.1	18.4	2.1	33	0.2	5.1	0.3	103	0.07	0.074
1144149	Soil	3.3	21.3	10.8	24	0.8	6.0	1.9	49	1.30	6.8	0.7	3.5	<0.1	16	0.2	2.0	0.2	51	0.03	0.045
1144145	Soil	4.1	24.8	11.8	66	2.0	21.0	6.8	202	2.83	12.4	0.9	16.3	3.4	26	0.3	3.1	0.2	63	0.13	0.064
1159057	Soil	5.2	20.5	9.2	58	0.7	12.7	3.5	103	2.20	12.9	0.9	2.4	0.3	17	0.2	2.3	0.2	78	0.04	0.044
1159054	Soil	3.5	10.1	5.2	24	0.5	4.2	1.1	35	0.67	2.8	0.4	1.3	<0.1	9	<0.1	0.9	0.1	35	0.02	0.021
1159055	Soil	2.7	30.6	9.7	99	0.4	27.1	9.8	306	2.37	12.5	1.6	5.7	3.6	18	0.3	1.6	0.2	56	0.16	0.086
1159056	Soil	2.2	18.5	7.1	41	0.2	6.6	1.9	54	1.12	5.0	0.5	<0.5	<0.1	12	0.2	1.0	0.2	49	0.02	0.032
1159058	Soil	6.1	18.1	10.1	51	0.6	9.6	2.4	79	1.47	9.6	0.7	1.3	0.6	13	<0.1	2.0	0.2	70	0.03	0.033
1144150	Soil	4.9	18.7	11.9	50	0.9	13.2	3.6	156	2.70	12.2	0.7	6.6	1.2	19	0.2	2.6	0.3	65	0.05	0.050
1144148	Soil	4.0	27.7	15.7	54	1.6	15.1	4.8	165	2.73	12.1	1.0	11.0	1.8	24	0.2	3.7	0.3	64	0.11	0.064
1144129	Soil	7.3	277.3	20.3	712	2.8	178.2	29.3	779	7.89	34.0	5.9	9.9	4.0	381	1.4	9.8	0.3	134	0.07	0.187
1144128	Soil	9.3	62.9	33.5	199	4.0	35.1	3.0	110	4.18	8.8	1.3	18.1	1.0	50	0.3	5.5	0.5	103	0.03	0.097
1144143	Soil	5.1	30.9	10.9	64	1.5	19.3	6.1	167	2.87	14.1	1.1	8.4	2.4	15	0.3	2.4	0.2	65	0.09	0.045
1144139	Soil	5.5	23.0	19.1	59	3.1	17.3	5.5	205	3.13	14.1	0.8	23.2	2.1	33	0.2	4.2	0.3	71	0.12	0.074
1144136	Soil	3.3	17.0	12.6	39	0.6	9.7	3.1	92	3.07	13.7	0.4	6.8	2.5	12	<0.1	2.4	0.3	93	0.03	0.030
1144134	Soil	5.4	20.6	13.4	37	2.9	11.8	3.4	126	2.11	8.3	0.7	25.1	2.1	36	0.2	3.8	0.2	59	0.09	0.059
1144132	Soil	5.8	31.6	16.8	11	8.9	5.4	0.8	25	0.79	5.5	1.1	27.5	1.1	24	0.1	7.4	0.2	49	0.05	0.027
1144147	Soil	7.0	28.7	13.0	36	1.4	8.4	2.3	62	2.01	10.7	1.1	3.1	0.3	19	0.1	2.9	0.3	87	0.05	0.055
1159052	Soil	5.5	22.4	10.4	42	0.6	9.4	2.3	67	1.85	9.4	0.8	0.9	0.1	16	0.1	2.2	0.2	71	0.03	0.034
1144146	Soil	4.0	23.0	11.5	62	2.2	19.4	6.1	178	2.81	12.0	0.9	14.3	2.8	26	0.3	3.1	0.2	64	0.13	0.060
1159053	Soil	5.6	23.2	10.4	43	0.7	9.3	2.2	66	1.87	9.7	0.7	0.8	0.1	15	<0.1	2.1	0.2	68	0.03	0.035
1159051	Soil	3.9	27.0	11.6	75	1.6	19.4	5.2	176	2.44	11.7	1.0	7.3	1.7	18	0.2	2.0	0.2	64	0.05	0.033



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Report Date: August 31, 2011

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CERTIFICATE OF ANALYSIS

WHI11001102.1

	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
1144135	Soil	4	34	0.02	429	0.004	3	0.28	0.002	0.16	<0.1	1.91	3.8	0.3	0.26	2	6.3	<0.2
1144133	Soil	7	35	0.11	600	0.035	2	0.62	0.004	0.18	0.2	0.76	7.6	0.8	0.34	6	10.9	0.2
1144142	Soil	10	27	0.25	170	0.043	2	1.09	0.005	0.07	0.3	0.12	2.0	0.2	0.05	6	1.6	<0.2
1144127	Soil	8	39	0.01	420	0.003	3	0.33	0.005	0.21	<0.1	0.73	2.1	2.2	0.45	3	14.9	0.3
1144131	Soil	8	50	0.17	317	0.014	2	1.13	0.003	0.08	0.2	0.20	3.1	0.4	0.12	4	5.3	<0.2
1144138	Soil	8	23	0.03	488	0.012	3	0.24	0.006	0.25	0.1	0.39	0.7	0.4	0.47	4	6.6	<0.2
1144140	Soil	9	26	0.26	158	0.034	2	1.01	0.006	0.06	0.2	0.20	1.7	0.1	0.07	5	2.4	<0.2
1144144	Soil	8	42	0.19	433	0.042	2	0.91	0.006	0.22	0.3	0.74	2.1	0.6	0.42	6	7.2	<0.2
1144149	Soil	7	16	0.04	578	0.012	1	0.52	0.010	0.08	0.1	0.07	0.3	0.2	0.13	5	1.9	<0.2
1144145	Soil	9	30	0.32	406	0.039	2	1.25	0.007	0.17	0.3	0.36	2.7	0.5	0.31	5	5.2	<0.2
1159057	Soil	9	21	0.17	217	0.023	2	0.99	0.006	0.07	0.2	0.14	1.0	0.2	0.06	6	1.7	<0.2
1159054	Soil	8	8	0.02	106	0.008	1	0.35	0.012	0.04	<0.1	0.03	0.2	0.1	<0.05	3	0.9	<0.2
1159055	Soil	15	27	0.43	411	0.042	2	1.45	0.006	0.07	0.2	0.10	3.4	0.1	<0.05	4	1.2	<0.2
1159056	Soil	10	13	0.03	251	0.010	1	0.44	0.008	0.04	0.1	0.02	0.3	0.1	<0.05	4	0.9	<0.2
1159058	Soil	9	14	0.05	164	0.029	2	0.48	0.004	0.06	0.2	0.04	0.8	0.2	0.05	5	1.2	<0.2
1144150	Soil	8	29	0.17	337	0.040	2	0.84	0.006	0.09	0.2	0.12	1.5	0.3	0.10	7	2.9	<0.2
1144148	Soil	7	27	0.22	384	0.029	1	0.79	0.005	0.16	0.2	0.25	1.8	0.4	0.26	5	4.0	0.2
1144129	Soil	11	48	0.03	349	0.003	1	1.21	0.005	0.24	<0.1	0.22	17.1	0.7	0.50	3	6.2	0.5
1144128	Soil	6	28	0.03	370	0.003	3	0.53	0.004	0.23	<0.1	0.36	1.3	0.7	0.36	4	15.1	0.4
1144143	Soil	9	34	0.30	171	0.038	2	1.44	0.005	0.09	0.3	0.24	2.3	0.3	0.10	6	3.6	<0.2
1144139	Soil	9	31	0.25	354	0.031	2	1.03	0.006	0.25	0.3	0.81	2.1	0.4	0.44	5	5.0	<0.2
1144136	Soil	8	21	0.10	158	0.045	1	0.57	0.003	0.10	0.2	0.07	0.9	0.3	0.13	6	4.2	0.2
1144134	Soil	8	25	0.18	422	0.024	2	0.71	0.004	0.14	0.2	0.32	1.7	0.4	0.22	4	5.6	<0.2
1144132	Soil	3	19	0.05	297	0.006	3	0.37	0.002	0.11	<0.1	1.15	1.5	0.4	0.14	2	10.8	0.2
1144147	Soil	9	21	0.04	614	0.020	2	0.65	0.005	0.12	0.2	0.18	0.7	0.3	0.19	6	3.7	<0.2
1159052	Soil	6	20	0.10	200	0.017	2	0.71	0.007	0.06	0.1	0.07	0.5	0.2	<0.05	5	1.8	<0.2
1144146	Soil	8	31	0.29	428	0.038	2	1.19	0.006	0.18	0.2	0.35	2.4	0.5	0.28	5	4.3	<0.2
1159053	Soil	6	20	0.09	196	0.015	2	0.68	0.006	0.06	0.1	0.07	0.5	0.2	0.06	5	2.1	<0.2
1159051	Soil	7	29	0.29	253	0.021	2	1.27	0.006	0.08	0.2	0.26	2.1	0.3	<0.05	5	1.7	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11001102.1

	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																					
1061585	Soil	2.0	41.0	74.8	120	0.1	26.7	14.6	502	3.40	26.6	0.8	1.7	0.8	110	0.4	5.5	0.8	52	0.14	0.086
REP 1061585	QC	2.0	40.3	74.9	121	<0.1	26.6	14.8	509	3.39	26.8	0.8	1.6	0.7	111	0.5	5.8	0.8	53	0.14	0.088
1056028	Soil	1.2	28.5	109.4	67	0.7	8.7	6.6	393	1.71	97.6	1.8	7.8	0.7	30	0.4	3.1	5.2	33	0.19	0.081
REP 1056028	QC	1.2	28.3	107.3	66	0.7	9.4	6.6	397	1.73	96.6	1.8	11.6	0.9	30	0.5	2.8	5.1	33	0.21	0.080
1060842	Soil	1.8	50.9	61.0	195	0.5	37.0	9.5	384	2.36	8.7	0.6	3.4	3.9	31	1.0	2.2	0.3	17	0.39	0.056
REP 1060842	QC	1.8	51.6	59.9	198	0.5	38.4	10.0	382	2.50	8.8	0.6	3.1	4.0	31	0.8	2.3	0.3	17	0.38	0.058
1060642	Soil	0.7	30.7	194.3	199	0.8	25.0	21.0	950	2.72	86.0	0.9	0.8	2.0	38	2.1	4.7	0.7	27	0.99	0.062
REP 1060642	QC	0.7	29.5	187.9	197	0.8	25.1	20.4	957	2.82	86.7	0.9	<0.5	2.0	37	1.9	4.8	0.7	26	0.99	0.061
1157470	Soil	3.9	53.9	13.8	125	1.2	22.6	5.3	135	2.62	11.3	0.6	1.1	1.4	25	0.4	1.7	0.3	68	0.03	0.058
REP 1157470	QC	4.0	53.8	14.0	123	1.2	22.7	5.4	139	2.69	11.7	0.6	2.0	1.5	26	0.5	1.7	0.3	69	0.03	0.058
1053283	Soil	1.9	44.0	104.0	185	0.3	29.8	9.7	427	1.99	8.6	0.7	0.8	2.9	44	0.8	1.9	0.2	23	0.39	0.025
REP 1053283	QC	1.9	43.9	103.2	178	0.2	29.9	9.9	431	2.06	8.4	0.7	1.3	2.9	45	0.9	1.9	0.2	22	0.41	0.025
1144044	Soil	3.0	13.9	5.2	38	0.5	6.2	1.3	38	1.05	6.0	0.3	0.7	0.2	18	<0.1	1.2	0.1	46	0.02	0.026
REP 1144044	QC	3.3	14.6	5.6	37	0.5	6.6	1.4	38	1.02	5.6	0.3	<0.5	0.3	18	<0.1	1.3	0.1	46	0.02	0.025
1144016	Soil	20.0	190.2	9.8	1134	2.1	158.5	10.0	958	6.01	21.8	3.2	3.0	0.5	30	5.9	8.2	0.2	294	0.04	0.106
REP 1144016	QC	20.8	194.2	9.7	1170	2.2	161.0	9.9	978	6.19	21.7	3.3	3.9	0.4	30	6.1	8.5	0.2	302	0.04	0.106
1144033	Soil	2.6	17.9	8.7	49	0.7	12.0	3.2	118	2.03	10.7	0.6	3.0	0.1	11	0.2	1.6	0.2	47	0.04	0.044
REP 1144033	QC	2.5	17.2	8.6	49	0.8	11.2	3.0	122	1.98	10.6	0.6	4.0	0.1	11	0.2	1.6	0.3	47	0.04	0.044
1144125	Soil	5.2	54.0	13.6	109	1.0	22.5	5.5	165	3.22	18.3	1.2	13.5	2.7	57	0.3	2.9	0.2	66	0.08	0.075
REP 1144125	QC	5.4	53.8	13.9	111	1.0	22.3	5.7	169	3.27	18.1	1.2	13.7	2.6	57	0.3	2.9	0.2	69	0.10	0.075
1144135	Soil	3.8	36.4	14.0	6	4.6	4.0	0.3	16	1.38	8.7	1.6	38.4	1.5	38	<0.1	4.7	0.2	53	0.02	0.087
REP 1144135	QC	3.9	35.9	14.2	6	4.4	3.6	0.3	16	1.33	8.3	1.6	36.9	1.5	39	<0.1	4.7	0.2	55	0.02	0.086
Reference Materials																					
STD DS8	Standard	12.4	91.4	128.9	296	1.8	36.1	7.4	609	2.38	25.3	2.6	113.6	6.4	61	2.2	5.3	6.8	41	0.69	0.083
STD DS8	Standard	12.5	106.9	125.3	314	1.9	36.8	7.4	633	2.53	25.0	2.7	112.7	7.0	70	2.3	5.7	6.7	42	0.73	0.080
STD DS8	Standard	13.3	108.4	118.7	292	1.6	36.4	7.4	603	2.37	23.5	2.8	114.7	7.0	71	2.2	5.3	6.1	40	0.67	0.074
STD DS8	Standard	12.3	107.4	122.6	325	1.7	39.4	7.6	587	2.44	24.8	2.6	114.1	6.1	62	2.2	5.1	6.2	44	0.69	0.083
STD DS8	Standard	13.0	120.2	127.9	320	1.9	37.4	7.7	601	2.44	27.1	2.9	117.2	7.3	64	2.6	6.1	7.5	43	0.70	0.083



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Part 2

QUALITY CONTROL REPORT

WHI11001102.1

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																		
1061585	Soil	16	27	0.47	296	0.024	1	1.82	0.008	0.22	0.2	0.05	1.7	0.3	0.07	6	0.6	<0.2
REP 1061585	QC	17	27	0.50	297	0.025	1	1.90	0.011	0.22	0.3	0.05	1.7	0.3	0.07	6	0.7	<0.2
1056028	Soil	18	11	0.28	275	0.026	1	1.76	0.022	0.08	0.1	0.08	1.0	0.1	0.07	5	0.8	0.3
REP 1056028	QC	18	12	0.28	276	0.024	<1	1.75	0.024	0.08	0.1	0.08	1.0	0.1	0.06	5	0.7	0.3
1060842	Soil	10	9	0.15	211	0.002	4	0.64	0.005	0.15	<0.1	0.20	3.8	0.2	<0.05	2	0.9	<0.2
REP 1060842	QC	11	9	0.15	221	0.002	3	0.64	0.005	0.14	<0.1	0.20	3.5	0.2	<0.05	2	1.3	<0.2
1060642	Soil	11	22	0.42	176	0.033	3	1.59	0.018	0.25	<0.1	0.02	2.1	0.3	0.09	6	<0.5	<0.2
REP 1060642	QC	11	22	0.42	175	0.034	3	1.62	0.018	0.26	<0.1	<0.01	2.2	0.3	0.07	5	0.5	<0.2
1157470	Soil	5	20	0.11	293	0.008	2	0.88	0.005	0.09	<0.1	0.08	1.8	0.2	0.08	4	2.4	<0.2
REP 1157470	QC	6	19	0.12	295	0.009	2	0.90	0.005	0.10	<0.1	0.08	1.8	0.2	0.06	4	2.5	<0.2
1053283	Soil	13	13	0.25	170	0.014	3	0.80	0.012	0.09	<0.1	0.04	2.3	0.2	<0.05	3	1.1	<0.2
REP 1053283	QC	12	13	0.25	170	0.014	4	0.80	0.012	0.09	<0.1	0.04	2.4	0.2	<0.05	2	1.3	<0.2
1144044	Soil	5	9	0.02	202	0.012	1	0.40	0.010	0.05	0.1	0.01	0.5	0.2	0.06	3	1.2	<0.2
REP 1144044	QC	5	9	0.02	204	0.011	<1	0.39	0.010	0.05	<0.1	0.01	0.4	0.2	0.07	3	1.5	<0.2
1144016	Soil	10	43	0.06	214	0.008	1	1.03	0.005	0.04	0.1	0.29	2.5	0.7	0.05	4	18.6	<0.2
REP 1144016	QC	10	43	0.06	215	0.009	1	1.04	0.005	0.04	<0.1	0.30	2.4	0.7	<0.05	4	19.2	<0.2
1144033	Soil	7	16	0.13	211	0.016	4	0.69	0.006	0.07	0.2	0.10	0.5	0.2	0.08	5	1.8	<0.2
REP 1144033	QC	7	16	0.14	215	0.016	3	0.72	0.006	0.07	0.2	0.08	0.5	0.2	0.09	5	1.7	<0.2
1144125	Soil	8	32	0.21	380	0.017	2	0.89	0.005	0.20	0.2	0.18	2.9	0.6	0.36	4	5.5	<0.2
REP 1144125	QC	8	33	0.21	381	0.018	3	0.91	0.005	0.21	0.2	0.21	2.9	0.6	0.37	4	6.3	<0.2
1144135	Soil	4	34	0.02	429	0.004	3	0.28	0.002	0.16	<0.1	1.91	3.8	0.3	0.26	2	6.3	<0.2
REP 1144135	QC	4	34	0.02	430	0.004	3	0.28	0.003	0.16	<0.1	1.93	4.0	0.3	0.25	2	5.9	0.2
Reference Materials																		
STD DS8	Standard	14	110	0.62	273	0.103	2	0.92	0.091	0.43	3.0	0.21	2.1	5.6	0.16	4	5.6	5.3
STD DS8	Standard	17	116	0.62	293	0.110	2	0.92	0.091	0.42	3.1	0.22	2.2	5.6	0.15	5	5.0	5.2
STD DS8	Standard	17	114	0.59	273	0.122	3	0.94	0.098	0.38	3.1	0.16	2.5	5.1	0.16	5	6.0	4.9
STD DS8	Standard	13	117	0.58	280	0.113	2	0.87	0.085	0.41	2.9	0.19	2.6	5.4	0.18	4	6.1	4.8
STD DS8	Standard	15	116	0.64	284	0.123	3	0.93	0.087	0.42	3.0	0.20	2.3	5.7	0.16	5	4.9	5.4



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Report Date:

August 31, 2011

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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	13.8	114.7	123.9	309	1.8	40.1	7.7	599	2.42	24.9	2.9	113.1	7.0	63	2.3	5.3	6.3	44	0.66	0.077
STD DS8	Standard	13.7	118.8	120.4	321	1.8	41.6	8.2	624	2.51	25.3	2.8	109.5	6.6	65	2.3	5.2	6.1	44	0.71	0.081
STD DS8	Standard	13.6	108.6	126.2	317	1.7	38.6	7.6	621	2.49	24.8	2.6	102.1	7.1	65	2.2	5.5	6.6	43	0.73	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	<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

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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
STD DS8	Standard	13	118	0.59	268	0.125	3	0.88	0.085	0.40	2.9	0.20	2.2	5.1	0.17	5	5.4	4.8
STD DS8	Standard	13	123	0.61	263	0.128	3	0.91	0.087	0.41	2.8	0.18	2.3	5.1	0.18	5	5.9	4.6
STD DS8	Standard	17	122	0.63	281	0.108	3	0.96	0.105	0.44	3.0	0.22	2.7	5.5	0.14	5	5.1	5.9
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: August 05, 2011

Report Date: August 29, 2011

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CERTIFICATE OF ANALYSIS

WHI11001103.1

CLIENT JOB INFORMATION

Project: PDM
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.
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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	228	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	228	Dry at 60C			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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CERTIFICATE OF ANALYSIS

WHI11001103.1

	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
1144224	Soil	3.3	18.8	12.8	70	1.1	16.2	5.1	304	2.67	13.4	0.6	4.8	2.0	13	0.2	2.2	0.3	68	0.07	0.134
1144226	Soil	2.9	21.7	10.4	105	0.8	19.1	6.1	255	3.07	14.3	0.6	4.1	1.5	11	0.5	1.8	0.2	65	0.05	0.067
1144227	Soil	2.7	18.9	9.4	66	0.8	12.5	3.7	106	2.08	11.3	0.5	0.8	1.8	9	0.4	1.3	0.2	59	0.02	0.040
1144251	Soil	5.4	97.6	16.6	148	0.7	36.9	9.3	221	3.40	24.5	1.1	5.0	2.3	18	0.6	6.1	0.3	56	0.03	0.051
1144220	Soil	4.0	23.2	8.9	61	0.7	18.5	5.5	176	1.88	10.7	1.0	6.4	1.9	20	0.3	2.6	0.2	51	0.13	0.065
1144222	Soil	5.7	23.5	19.3	43	2.7	9.6	2.9	85	4.07	28.1	0.5	14.2	1.6	45	0.1	7.9	0.3	129	0.03	0.069
1144228	Soil	2.1	15.9	9.0	51	0.6	9.0	2.9	273	1.47	6.1	0.4	1.5	0.3	9	0.4	1.1	0.3	43	0.03	0.043
1144218	Soil	3.1	23.8	8.8	87	0.7	25.8	7.8	250	2.18	10.9	0.9	7.9	3.6	18	0.4	2.0	0.2	48	0.20	0.080
1144221	Soil	4.2	20.7	11.4	58	1.3	14.6	4.4	186	1.84	10.5	0.8	9.0	0.9	15	0.2	4.0	0.2	53	0.08	0.052
1144230	Soil	4.1	19.9	8.4	33	1.1	6.7	2.2	51	1.46	8.6	0.5	4.0	1.0	14	<0.1	2.8	0.2	58	0.02	0.029
1144223	Soil	2.8	17.5	10.2	57	0.9	14.9	4.3	161	2.23	11.9	0.6	4.8	2.0	15	0.2	2.4	0.2	57	0.07	0.046
1144219	Soil	3.4	18.3	10.3	67	1.4	13.2	3.9	220	2.83	14.8	0.5	8.8	0.8	9	0.1	1.8	0.3	74	0.04	0.052
1144232	Soil	11.4	49.1	10.9	88	1.3	19.3	2.7	68	2.03	12.3	1.5	7.8	1.5	32	0.2	5.6	0.2	79	0.01	0.038
1144234	Soil	7.0	41.7	9.0	71	0.5	16.5	3.3	85	1.82	10.8	1.3	4.6	1.9	21	0.3	3.4	0.2	51	0.02	0.029
1144237	Soil	8.3	27.6	17.1	70	2.0	13.4	2.4	54	2.57	11.1	0.5	1.6	1.4	25	0.2	3.5	0.3	59	0.02	0.037
1144231	Soil	5.4	19.9	10.7	39	0.7	7.8	2.0	48	1.29	8.1	0.5	1.0	1.1	15	<0.1	2.7	0.2	73	0.01	0.024
1144235	Soil	7.4	40.9	9.6	72	0.6	16.2	3.4	87	1.79	10.5	1.2	5.4	1.9	22	0.3	3.7	0.1	50	0.02	0.031
1144233	Soil	9.7	53.8	11.8	193	0.5	38.4	6.0	145	2.27	10.2	1.1	1.0	0.9	32	0.3	3.7	0.2	77	0.01	0.057
1144241	Soil	8.5	29.7	10.6	118	0.2	25.2	5.0	206	2.48	12.9	1.0	2.8	1.3	20	0.3	3.4	0.2	67	0.04	0.043
1144229	Soil	1.5	9.2	4.5	22	0.3	4.9	1.6	50	0.77	2.5	0.3	1.1	0.3	8	<0.1	0.8	0.1	28	0.02	0.016
1144236	Soil	9.6	37.6	11.9	136	1.4	31.0	5.5	142	3.03	14.8	1.0	3.5	2.3	26	0.3	4.2	0.2	73	0.02	0.040
1144239	Soil	12.6	28.5	11.0	104	0.8	23.0	4.5	141	2.42	13.7	1.2	2.0	2.1	33	0.6	3.7	0.2	79	0.03	0.048
1144240	Soil	10.6	35.6	9.4	85	0.5	19.0	3.6	94	1.88	10.4	1.6	4.4	1.8	31	0.3	3.8	0.2	61	0.03	0.039
1144238	Soil	8.4	41.9	10.9	124	0.8	33.9	6.3	129	2.57	13.8	1.2	3.3	2.6	28	0.4	3.8	0.2	78	0.02	0.038
1144242	Soil	8.1	49.0	11.5	132	0.8	31.0	6.2	194	2.54	13.2	1.6	6.0	2.9	29	0.5	2.9	0.2	65	0.05	0.062
1144244	Soil	9.2	56.4	11.1	139	0.3	35.2	7.1	240	2.26	15.4	2.6	6.9	2.8	26	0.6	4.4	0.2	58	0.03	0.034
1144246	Soil	6.6	46.5	8.4	120	0.3	28.2	5.3	176	1.91	11.3	1.4	4.7	2.5	20	0.4	3.2	0.2	49	0.04	0.034
1144243	Soil	7.0	22.3	8.6	78	0.3	16.6	3.3	118	1.66	10.0	0.7	2.3	1.3	20	0.2	2.8	0.2	55	0.03	0.042
1144245	Soil	6.9	42.1	9.8	106	0.5	24.9	4.9	137	2.06	12.5	1.0	7.0	2.0	22	0.3	4.2	0.2	54	0.03	0.036
1144247	Soil	4.3	241.1	22.7	211	0.1	42.9	12.5	382	5.80	15.6	0.8	1.9	1.9	30	0.5	2.4	0.5	39	0.02	0.062



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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
1144224	Soil	8	25	0.23	173	0.029	1	0.92	0.004	0.08	0.3	0.17	1.6	0.2	<0.05	6	1.7	<0.2
1144226	Soil	8	26	0.29	161	0.020	1	1.10	0.004	0.07	0.2	0.11	1.7	0.2	<0.05	5	0.9	<0.2
1144227	Soil	8	16	0.12	193	0.017	<1	0.76	0.004	0.06	0.2	0.10	1.2	0.1	<0.05	5	0.9	<0.2
1144251	Soil	5	18	0.14	460	0.003	1	0.96	0.003	0.06	0.1	0.10	2.7	0.2	<0.05	2	1.3	<0.2
1144220	Soil	9	20	0.24	250	0.027	<1	0.81	0.005	0.07	0.2	0.22	1.8	0.2	0.07	3	2.4	<0.2
1144222	Soil	6	42	0.10	300	0.034	<1	0.68	0.003	0.23	0.2	0.35	1.3	1.0	0.41	8	5.0	0.2
1144228	Soil	9	11	0.07	225	0.018	<1	0.56	0.004	0.05	0.1	0.04	0.5	0.1	<0.05	4	0.5	<0.2
1144218	Soil	11	24	0.37	163	0.039	<1	1.13	0.005	0.06	0.2	0.17	1.8	0.1	<0.05	3	1.5	<0.2
1144221	Soil	7	28	0.20	227	0.027	<1	0.70	0.004	0.08	0.1	0.26	1.1	0.2	0.06	4	2.8	<0.2
1144230	Soil	4	14	0.06	210	0.010	<1	0.69	0.008	0.07	0.1	0.11	0.8	0.2	0.06	4	2.3	<0.2
1144223	Soil	7	25	0.23	186	0.039	<1	0.78	0.004	0.07	0.2	0.13	1.3	0.2	<0.05	5	1.8	<0.2
1144219	Soil	8	20	0.14	84	0.034	<1	0.72	0.004	0.06	0.2	0.22	0.9	0.1	<0.05	6	1.6	<0.2
1144232	Soil	3	24	0.03	349	0.003	<1	0.44	0.002	0.11	<0.1	0.24	1.6	0.5	0.11	4	4.6	0.2
1144234	Soil	4	15	0.05	826	0.006	1	0.44	0.002	0.08	<0.1	0.29	2.0	0.3	<0.05	2	3.2	<0.2
1144237	Soil	3	15	0.02	400	0.006	<1	0.40	0.006	0.23	<0.1	0.09	1.2	0.5	0.37	3	3.5	<0.2
1144231	Soil	6	12	0.02	220	0.013	<1	0.36	0.003	0.06	<0.1	0.05	0.7	0.2	<0.05	4	1.7	<0.2
1144235	Soil	4	15	0.05	788	0.005	<1	0.42	0.002	0.08	<0.1	0.36	2.0	0.4	<0.05	2	3.2	0.2
1144233	Soil	4	16	0.03	565	0.004	<1	0.48	0.003	0.09	<0.1	0.06	1.4	0.3	<0.05	3	3.3	<0.2
1144241	Soil	6	17	0.11	250	0.005	1	0.80	0.002	0.06	0.1	0.06	1.4	0.2	<0.05	3	1.5	<0.2
1144229	Soil	8	6	0.02	143	0.021	<1	0.30	0.008	0.03	<0.1	0.03	0.3	<0.1	<0.05	3	<0.5	<0.2
1144236	Soil	5	22	0.11	528	0.007	<1	0.88	0.002	0.09	<0.1	0.13	1.9	0.3	<0.05	4	2.2	<0.2
1144239	Soil	5	20	0.11	515	0.006	<1	0.80	0.004	0.09	<0.1	0.10	1.4	0.3	<0.05	3	3.0	<0.2
1144240	Soil	5	17	0.09	440	0.005	<1	0.80	0.003	0.05	<0.1	0.21	1.4	0.3	<0.05	3	2.3	<0.2
1144238	Soil	5	26	0.13	371	0.007	<1	1.34	0.003	0.08	<0.1	0.12	2.0	0.3	<0.05	4	1.9	<0.2
1144242	Soil	7	23	0.20	337	0.008	2	1.21	0.003	0.09	<0.1	0.14	2.2	0.3	<0.05	3	2.1	<0.2
1144244	Soil	8	20	0.15	465	0.006	1	0.83	0.002	0.06	<0.1	0.18	2.3	0.2	<0.05	2	1.9	<0.2
1144246	Soil	7	15	0.13	496	0.004	<1	0.67	0.003	0.06	<0.1	0.18	1.9	0.2	<0.05	2	1.2	<0.2
1144243	Soil	5	15	0.11	262	0.005	1	0.69	0.003	0.05	<0.1	0.05	1.1	0.2	<0.05	3	1.1	<0.2
1144245	Soil	5	17	0.12	377	0.003	<1	0.80	0.002	0.06	<0.1	0.09	1.6	0.2	<0.05	2	1.9	<0.2
1144247	Soil	5	16	0.10	749	0.003	<1	1.03	0.004	0.06	<0.1	0.02	3.6	0.1	<0.05	3	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	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
1144248	Soil	4.3	95.3	19.0	146	0.9	34.8	7.8	154	3.58	33.6	0.9	1.8	2.1	20	0.4	8.2	0.4	48	0.03	0.049
1144250	Soil	4.2	66.0	11.2	115	0.3	27.3	8.4	369	2.38	13.9	1.7	5.3	2.7	16	0.5	3.6	0.2	36	0.04	0.039
1144249	Soil	4.0	47.8	12.6	97	0.4	15.3	4.0	94	2.17	17.4	0.5	<0.5	0.3	21	0.5	4.0	0.2	41	0.02	0.064
1144225	Soil	2.5	14.2	9.9	58	0.8	11.3	3.4	165	1.90	9.3	0.5	1.5	1.2	10	0.4	1.5	0.3	51	0.04	0.052
1157229	Soil	1.7	24.8	9.3	85	0.3	21.1	7.6	376	1.71	5.0	1.0	2.3	1.5	57	0.4	0.5	0.2	17	1.15	0.116
1157231	Soil	3.4	30.0	9.8	95	0.5	23.1	7.6	302	1.95	6.4	1.3	2.9	1.6	60	0.7	0.9	0.2	21	1.18	0.119
1157228	Soil	2.6	28.6	8.8	96	0.6	25.0	8.1	288	1.96	5.8	0.8	5.7	2.1	34	0.7	0.8	0.2	23	0.54	0.074
1157230	Soil	2.0	30.1	11.1	100	0.5	21.2	7.3	366	1.98	6.4	1.4	3.6	1.7	70	0.7	0.7	0.2	22	1.36	0.135
1157224	Soil	3.3	34.1	6.1	61	0.6	19.0	5.2	282	1.30	4.4	1.8	3.1	0.7	59	0.7	0.8	0.1	18	1.08	0.107
1157226	Soil	1.7	26.0	5.5	56	0.3	21.5	10.2	1378	1.50	3.4	1.3	2.5	1.0	69	2.1	0.6	<0.1	9	1.45	0.083
1157227	Soil	2.4	35.2	8.7	102	0.6	27.4	8.0	563	1.62	5.0	1.3	4.1	1.6	61	1.3	0.9	0.2	23	1.14	0.125
1157214	Soil	2.4	27.3	12.4	63	0.2	26.8	10.9	561	2.52	6.7	1.0	1.6	3.1	46	0.3	0.4	0.2	17	1.00	0.137
1157213	Soil	1.0	23.0	7.3	38	0.1	15.4	5.8	436	1.24	3.4	0.8	0.6	1.2	52	0.3	0.4	0.1	14	1.30	0.058
1157223	Soil	7.6	33.0	10.1	121	0.3	25.5	6.1	171	1.90	7.8	0.7	3.7	1.4	26	0.9	1.7	0.2	26	0.28	0.119
1157222	Soil	4.9	68.2	14.4	173	1.7	47.2	11.8	517	2.58	9.4	2.7	10.6	2.5	81	2.2	1.5	0.2	24	1.28	0.182
1157216	Soil	1.8	19.4	6.9	54	0.2	13.3	5.2	200	1.44	4.2	1.2	1.4	1.0	59	0.3	0.4	0.1	16	0.95	0.097
1157202	Soil	2.5	32.6	10.7	84	0.1	15.4	7.3	491	2.88	12.0	0.5	1.3	0.8	9	0.2	1.3	0.4	59	0.04	0.048
1157218	Soil	2.8	40.8	6.8	83	1.3	23.6	6.1	315	1.17	4.7	1.0	6.6	0.7	72	2.9	1.0	0.1	16	1.37	0.077
1157219	Soil	4.7	35.1	5.1	104	0.7	31.5	14.1	1827	1.16	2.6	2.2	3.6	0.4	99	3.8	0.8	0.1	12	2.04	0.090
1157221	Soil	0.5	10.3	1.4	20	0.5	5.9	2.5	286	0.49	<0.5	1.2	1.1	0.1	48	0.6	0.3	<0.1	6	0.94	0.055
1157217	Soil	6.4	39.2	17.2	102	0.2	42.4	14.2	377	3.34	19.6	2.1	1.1	7.3	53	0.4	0.9	0.3	13	0.89	0.240
1157220	Soil	7.0	45.6	10.0	132	1.0	32.3	8.4	219	1.89	7.8	2.0	6.4	2.5	59	1.5	1.5	0.2	26	0.80	0.144
1157225	Soil	0.3	8.4	1.4	22	<0.1	4.7	1.4	89	0.35	<0.5	0.7	1.2	0.2	31	0.5	0.2	<0.1	7	0.60	0.035
1157208	Soil	4.3	40.3	12.9	75	0.6	15.0	4.8	233	2.31	10.6	0.4	1.2	0.7	29	0.3	1.7	0.2	58	0.04	0.083
1157203	Soil	3.5	82.3	21.1	145	0.2	28.7	21.3	1089	3.61	12.7	0.6	1.0	2.1	13	0.5	1.4	0.4	59	0.06	0.052
1157209	Soil	5.5	45.8	15.1	95	0.6	20.3	4.6	167	2.59	12.3	0.7	5.5	0.7	51	0.7	1.9	0.3	56	0.04	0.092
1157206	Soil	4.9	119.1	17.0	137	0.9	29.7	14.7	743	3.82	14.6	0.7	2.4	1.7	16	0.6	2.1	0.3	55	0.03	0.054
1157210	Soil	9.1	36.1	18.1	90	0.1	39.5	13.5	442	3.51	16.4	0.9	1.9	4.7	25	0.2	0.6	0.3	20	0.19	0.081
1157215	Soil	5.2	31.7	11.9	106	0.3	29.0	10.4	310	2.91	11.1	1.2	4.1	5.3	44	0.3	1.0	0.2	25	0.74	0.187
1157212	Soil	2.5	30.6	10.1	79	0.3	12.3	7.5	283	1.43	4.3	0.7	2.1	0.2	19	1.1	0.8	0.3	33	0.12	0.070



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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
1144248	Soil	5	19	0.15	348	0.006	<1	1.11	0.003	0.07	0.1	0.06	2.8	0.2	<0.05	3	1.4
1144250	Soil	8	16	0.17	470	0.008	1	0.75	0.003	0.05	<0.1	0.20	2.6	0.2	<0.05	2	0.9
1144249	Soil	3	10	0.04	468	0.004	<1	0.49	0.006	0.07	<0.1	0.02	0.9	0.1	<0.05	2	1.2
1144225	Soil	10	16	0.12	164	0.027	<1	0.66	0.004	0.07	0.2	0.10	0.9	0.1	<0.05	4	0.7
1157229	Soil	8	12	0.36	257	0.004	2	0.75	0.009	0.06	<0.1	0.12	2.0	<0.1	<0.05	2	1.0
1157231	Soil	8	12	0.32	405	0.004	3	0.82	0.008	0.06	<0.1	0.18	2.4	0.2	<0.05	2	1.9
1157228	Soil	7	16	0.32	309	0.004	2	0.73	0.004	0.06	<0.1	0.17	3.1	0.1	<0.05	2	0.7
1157230	Soil	9	14	0.37	369	0.003	4	0.87	0.010	0.05	<0.1	0.20	2.5	0.1	0.08	2	1.6
1157224	Soil	5	9	0.22	330	0.005	2	0.53	0.012	0.04	<0.1	0.17	1.2	<0.1	0.10	2	2.9
1157226	Soil	7	7	0.22	430	0.004	4	0.53	0.017	0.03	<0.1	0.14	1.9	0.1	0.11	1	3.0
1157227	Soil	8	14	0.34	440	0.004	3	0.77	0.009	0.05	<0.1	0.21	2.4	0.1	0.07	2	1.5
1157214	Soil	9	16	0.48	311	0.004	2	0.90	0.006	0.06	<0.1	0.11	3.6	<0.1	<0.05	3	0.8
1157213	Soil	6	10	0.28	291	0.005	2	0.75	0.014	0.05	<0.1	0.07	2.2	0.1	0.08	2	<0.5
1157223	Soil	5	13	0.18	165	0.003	2	0.51	0.006	0.06	<0.1	0.07	1.5	0.2	<0.05	2	2.2
1157222	Soil	8	17	0.32	426	0.002	4	0.70	0.005	0.07	<0.1	0.40	4.2	0.2	0.10	2	3.9
1157216	Soil	6	10	0.29	382	0.004	2	0.77	0.012	0.04	<0.1	0.11	1.5	0.1	0.08	2	<0.5
1157202	Soil	8	20	0.16	351	0.020	<1	1.02	0.004	0.05	0.2	0.04	1.3	<0.1	<0.05	6	0.7
1157218	Soil	6	9	0.23	353	0.003	2	0.55	0.016	0.04	<0.1	0.27	1.8	0.1	0.07	2	1.6
1157219	Soil	3	6	0.23	440	0.005	4	0.44	0.016	0.03	<0.1	0.16	0.8	<0.1	0.19	1	4.0
1157221	Soil	2	3	0.09	250	0.010	2	0.30	0.027	0.02	<0.1	0.05	0.3	<0.1	0.08	<1	1.8
1157217	Soil	16	12	0.38	353	0.003	2	0.70	0.004	0.08	<0.1	0.32	5.0	0.2	<0.05	2	0.9
1157220	Soil	8	13	0.25	437	0.003	2	0.62	0.007	0.06	<0.1	0.25	3.1	0.2	0.07	2	2.7
1157225	Soil	2	2	0.06	129	0.009	1	0.19	0.034	0.03	<0.1	0.05	0.4	<0.1	0.07	<1	0.8
1157208	Soil	4	15	0.12	450	0.006	2	0.75	0.007	0.06	0.1	0.03	1.3	0.2	0.07	3	1.3
1157203	Soil	8	27	0.28	1114	0.019	1	1.50	0.004	0.07	0.2	0.05	2.4	0.1	<0.05	5	0.7
1157209	Soil	5	16	0.11	786	0.006	1	0.81	0.007	0.10	<0.1	0.06	1.5	0.3	0.12	3	2.3
1157206	Soil	7	21	0.18	429	0.010	2	1.10	0.004	0.08	0.1	0.07	2.7	0.2	<0.05	4	1.5
1157210	Soil	6	19	0.53	608	0.003	2	1.15	0.004	0.08	<0.1	0.14	3.7	0.2	<0.05	3	0.6
1157215	Soil	12	18	0.51	336	0.005	4	0.98	0.005	0.08	<0.1	0.15	4.0	0.2	<0.05	3	0.8
1157212	Soil	9	13	0.14	324	0.007	1	0.77	0.007	0.08	0.1	0.02	0.6	0.1	<0.05	4	<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
1157204	Soil	1.9	109.7	19.4	99	0.4	17.6	12.0	649	3.38	7.4	0.5	0.7	0.6	17	0.2	1.0	0.3	35	0.04	0.077
1157201	Soil	2.3	89.3	13.4	106	<0.1	31.1	11.9	672	2.78	9.9	0.8	2.0	0.7	12	0.2	1.7	0.2	43	0.05	0.053
1157205	Soil	0.9	25.1	6.1	55	1.0	6.2	6.6	467	1.53	3.1	0.3	<0.5	0.2	9	0.5	0.5	0.2	24	0.04	0.035
1157211	Soil	4.2	22.7	11.6	76	0.2	18.1	8.1	278	1.97	8.3	0.4	<0.5	1.1	16	0.4	0.8	0.2	30	0.10	0.065
1157207	Soil	4.4	43.9	12.2	94	0.5	17.6	5.9	289	2.54	10.2	0.6	0.8	0.9	18	0.3	1.7	0.2	52	0.04	0.046
1144182	Soil	2.3	32.6	17.1	63	0.2	14.3	9.6	906	3.09	11.2	0.6	1.0	1.7	9	0.2	1.2	0.3	56	0.04	0.057
1144165	Soil	1.9	50.1	10.7	84	0.2	26.1	9.9	840	2.18	9.0	0.9	2.0	0.3	13	0.2	0.9	0.2	34	0.07	0.079
1144168	Soil	2.4	137.4	11.0	159	0.4	68.4	35.2	2565	2.35	10.0	2.9	3.7	0.8	14	0.4	1.0	0.2	36	0.10	0.106
1144167	Soil	2.2	123.7	9.9	156	0.4	69.1	25.1	2139	2.24	9.9	2.8	3.4	0.6	14	0.4	1.0	0.2	36	0.09	0.107
1144181	Soil	1.8	45.4	12.0	77	0.2	21.7	8.9	659	2.86	8.5	0.5	4.2	1.3	11	0.3	0.9	0.3	49	0.04	0.034
1144166	Soil	1.4	25.9	7.4	38	0.1	9.9	4.6	363	1.32	5.2	0.5	1.5	0.1	14	<0.1	0.7	0.2	26	0.06	0.058
1144163	Soil	2.6	43.4	9.3	75	0.5	19.7	5.1	206	2.19	10.6	1.3	5.3	1.6	15	0.4	1.6	0.2	41	0.07	0.065
1144164	Soil	2.5	50.0	9.9	101	0.2	33.0	9.5	515	2.31	10.5	1.2	6.1	3.4	21	0.4	1.5	0.2	43	0.16	0.077
1144152	Soil	2.4	99.4	29.2	173	<0.1	110.4	52.5	1510	2.74	20.2	0.7	5.0	1.1	11	0.1	1.5	0.4	33	0.07	0.068
1144151	Soil	3.0	58.6	12.0	113	<0.1	47.5	16.1	1445	3.02	10.8	0.6	5.9	0.9	13	0.3	1.0	0.3	46	0.07	0.053
1144154	Soil	2.1	51.2	12.2	88	0.2	30.3	10.2	776	2.49	9.7	1.0	5.2	0.6	15	0.2	1.0	0.2	46	0.16	0.077
1144153	Soil	2.3	46.2	13.5	97	0.1	29.6	13.1	982	2.92	10.4	0.8	3.7	2.2	14	0.3	1.2	0.2	45	0.10	0.070
1144162	Soil	4.6	132.9	13.8	245	0.3	72.7	18.1	366	6.67	17.6	0.7	6.9	1.2	19	0.1	2.3	0.4	111	0.04	0.061
1144161	Soil	2.2	65.6	13.6	137	0.7	34.9	8.3	289	3.04	10.0	1.0	9.7	0.7	17	0.2	1.4	0.2	51	0.07	0.046
1144159	Soil	1.9	65.4	12.8	128	0.4	39.9	9.2	242	2.53	9.1	0.6	8.1	0.9	21	<0.1	1.5	0.2	38	0.04	0.037
1144160	Soil	1.3	43.3	11.8	132	<0.1	36.0	6.1	252	1.91	5.3	0.3	4.7	1.2	26	<0.1	1.2	0.2	25	0.02	0.025
1144158	Soil	2.5	92.7	12.4	111	0.2	34.8	12.0	595	2.51	10.2	0.6	7.6	1.7	17	0.1	1.1	0.2	43	0.04	0.031
1144157	Soil	2.7	33.8	11.5	103	0.2	37.6	11.9	758	2.79	13.9	1.4	3.0	2.7	20	0.5	1.4	0.2	61	0.21	0.128
1144156	Soil	2.4	38.8	9.8	85	0.2	43.5	10.9	903	2.25	11.2	1.5	3.5	2.8	21	0.3	1.2	0.2	46	0.23	0.097
1144155	Soil	2.6	48.7	13.4	103	0.2	39.1	16.5	1825	2.65	11.7	1.1	4.2	0.3	26	0.3	1.0	0.3	47	0.28	0.115
1144170	Soil	4.2	35.3	12.7	111	<0.1	25.7	10.9	657	2.69	16.9	0.9	2.7	0.2	16	0.3	1.9	0.4	61	0.07	0.090
1144172	Soil	3.0	44.7	13.8	144	0.4	39.6	13.3	823	3.29	14.2	0.8	4.5	2.2	23	0.3	1.6	0.3	60	0.06	0.050
1144169	Soil	1.9	37.7	6.8	49	0.5	13.2	6.9	471	1.75	5.0	1.3	3.4	<0.1	14	0.2	0.7	0.2	34	0.11	0.088
1144171	Soil	4.4	45.3	14.0	155	0.2	41.8	14.8	1073	3.08	19.4	1.4	4.5	1.3	19	0.5	2.1	0.3	58	0.09	0.103
1144179	Soil	3.0	51.9	17.3	83	1.0	19.8	5.3	164	2.97	13.0	0.7	11.0	1.1	14	0.2	1.7	0.2	52	0.07	0.042



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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
1157204	Soil	2	19	0.10	957	0.007	2	0.91	0.011	0.05	<0.1	0.05	1.9	<0.1	<0.05	4	<0.5	<0.2
1157201	Soil	8	21	0.27	371	0.016	1	0.93	0.005	0.05	0.1	0.02	2.0	0.1	<0.05	4	0.7	<0.2
1157205	Soil	2	8	0.05	282	0.016	1	0.45	0.014	0.04	<0.1	0.03	0.5	<0.1	<0.05	3	<0.5	<0.2
1157211	Soil	8	13	0.24	261	0.006	2	0.69	0.004	0.07	<0.1	0.02	1.3	0.1	<0.05	4	<0.5	<0.2
1157207	Soil	5	14	0.14	371	0.009	2	0.81	0.007	0.07	0.1	0.02	1.4	0.2	<0.05	4	1.0	<0.2
1144182	Soil	10	24	0.21	353	0.019	<1	1.30	0.004	0.06	0.3	0.08	1.7	0.1	<0.05	5	0.6	<0.2
1144165	Soil	7	18	0.19	814	0.009	2	0.85	0.009	0.05	0.1	0.05	1.4	0.1	<0.05	3	0.5	<0.2
1144168	Soil	10	23	0.24	412	0.014	1	1.38	0.008	0.05	0.2	0.10	3.1	0.2	<0.05	3	1.0	<0.2
1144167	Soil	11	22	0.25	397	0.013	2	1.35	0.009	0.05	0.1	0.08	2.8	0.2	0.05	3	1.1	<0.2
1144181	Soil	10	24	0.23	573	0.020	1	1.00	0.003	0.05	0.2	0.06	1.9	<0.1	<0.05	4	<0.5	<0.2
1144166	Soil	4	9	0.05	513	0.014	2	0.48	0.018	0.04	<0.1	0.02	0.5	<0.1	<0.05	3	<0.5	<0.2
1144163	Soil	10	14	0.17	664	0.014	1	0.69	0.003	0.04	0.1	0.16	2.2	0.1	<0.05	2	1.2	<0.2
1144164	Soil	10	21	0.30	1101	0.032	2	0.86	0.005	0.07	0.2	0.07	2.8	0.1	<0.05	3	0.9	<0.2
1144152	Soil	7	19	0.15	933	0.004	3	0.87	0.005	0.10	<0.1	0.09	3.2	0.4	<0.05	3	<0.5	<0.2
1144151	Soil	7	25	0.18	936	0.011	2	0.76	0.003	0.06	0.1	0.04	2.5	0.1	<0.05	3	0.6	<0.2
1144154	Soil	11	24	0.30	1268	0.007	2	1.13	0.005	0.06	0.2	0.07	1.6	0.1	<0.05	3	0.6	<0.2
1144153	Soil	10	25	0.33	592	0.017	2	1.16	0.004	0.08	0.2	0.05	2.3	0.1	<0.05	4	0.6	<0.2
1144162	Soil	4	23	0.04	2524	0.010	2	0.62	0.004	0.09	0.1	0.13	3.0	0.2	0.07	4	4.5	<0.2
1144161	Soil	9	25	0.20	867	0.017	2	1.05	0.004	0.05	0.2	0.17	2.1	0.1	<0.05	4	2.1	<0.2
1144159	Soil	3	18	0.08	1643	0.006	1	0.64	0.006	0.07	<0.1	0.09	2.1	0.1	<0.05	3	2.5	<0.2
1144160	Soil	<1	13	0.02	1427	0.001	3	0.38	0.005	0.09	<0.1	0.11	1.9	<0.1	<0.05	2	0.7	<0.2
1144158	Soil	5	19	0.11	1749	0.011	2	0.82	0.003	0.05	<0.1	0.06	2.6	0.1	<0.05	3	1.1	<0.2
1144157	Soil	16	31	0.39	843	0.019	3	1.66	0.006	0.10	0.2	0.06	3.3	0.2	<0.05	5	0.5	<0.2
1144156	Soil	19	25	0.37	696	0.025	3	1.24	0.006	0.07	0.2	0.05	3.4	0.1	<0.05	4	0.8	<0.2
1144155	Soil	11	26	0.24	1565	0.009	2	0.95	0.004	0.08	<0.1	0.07	1.2	0.2	<0.05	4	0.5	<0.2
1144170	Soil	10	21	0.26	362	0.007	2	1.12	0.006	0.09	0.4	0.03	0.6	0.2	<0.05	4	0.8	<0.2
1144172	Soil	9	28	0.23	971	0.025	2	1.17	0.004	0.10	0.2	0.08	2.5	0.1	<0.05	5	0.8	<0.2
1144169	Soil	5	14	0.16	506	0.009	2	0.94	0.017	0.05	<0.1	0.08	0.4	0.2	<0.05	3	0.6	<0.2
1144171	Soil	10	24	0.32	561	0.011	3	1.28	0.003	0.11	0.2	0.07	1.9	0.2	<0.05	4	1.4	<0.2
1144179	Soil	8	26	0.25	164	0.020	1	1.10	0.005	0.07	0.2	0.13	1.9	0.1	<0.05	4	2.8	<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	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
1144173	Soil	0.9	83.0	13.4	131	0.2	67.5	21.8	1564	2.21	3.3	0.6	6.9	1.6	24	0.4	0.7	0.2	24	0.02	0.024
1144174	Soil	1.3	81.6	16.4	239	0.5	112.7	30.8	4557	2.91	5.7	0.8	8.1	1.5	28	0.7	0.9	0.2	37	0.04	0.042
1144176	Soil	2.4	79.6	17.0	168	0.2	58.2	11.6	458	3.21	16.3	0.7	6.5	1.3	25	0.3	1.7	0.2	39	0.03	0.030
1144180	Soil	0.8	91.9	16.0	146	<0.1	62.1	20.4	3806	2.77	3.1	0.3	2.1	1.3	21	0.2	0.4	0.3	29	0.03	0.043
1144175	Soil	2.2	280.9	21.6	655	0.7	189.6	62.6	2229	5.43	6.9	1.0	11.4	1.6	40	0.3	2.4	0.3	31	0.03	0.025
1144178	Soil	2.4	52.3	13.1	88	1.2	16.4	3.7	80	3.07	8.7	0.5	13.9	0.7	33	<0.1	2.3	0.3	50	0.02	0.038
1144177	Soil	2.9	70.6	15.3	137	1.3	40.0	8.8	225	3.48	10.8	0.8	13.7	1.2	25	0.2	1.9	0.3	66	0.06	0.041
1157063	Soil	3.7	26.3	12.0	81	0.2	17.7	10.4	517	2.31	7.3	0.4	1.6	1.7	16	0.3	1.0	0.2	44	0.17	0.046
1157065	Soil	3.0	46.0	9.3	71	0.5	20.7	6.5	336	1.43	5.2	0.9	5.5	1.7	32	0.3	1.2	0.2	44	0.28	0.057
1157066	Soil	2.8	27.4	9.2	64	0.7	17.5	7.8	566	1.59	4.7	0.8	7.0	1.6	45	0.3	0.8	0.2	45	0.47	0.079
1157067	Soil	1.6	44.5	9.8	79	0.8	23.9	6.2	196	1.18	3.0	1.1	5.9	1.8	44	0.9	1.2	0.2	46	0.43	0.079
1157064	Soil	2.4	19.2	6.9	60	0.2	15.3	6.0	295	1.46	4.6	0.4	1.6	1.4	43	0.2	1.0	0.1	40	0.41	0.072
1157068	Soil	3.0	28.4	10.7	59	0.5	15.3	5.4	218	1.75	6.2	0.8	5.0	2.0	31	0.4	0.9	0.2	55	0.26	0.079
1157069	Soil	4.2	28.9	10.4	92	0.8	17.5	7.5	408	1.94	6.6	0.8	3.6	2.5	29	0.3	1.3	0.2	58	0.22	0.074
1157071	Soil	4.5	30.9	5.5	126	0.6	18.3	3.2	84	1.75	8.7	0.6	1.0	0.7	11	0.4	1.9	0.1	62	0.06	0.082
1157070	Soil	7.4	52.2	12.0	149	0.4	38.4	10.8	418	2.76	10.3	1.1	5.2	3.6	21	1.1	2.2	0.2	59	0.16	0.097
1157072	Soil	3.1	24.3	7.5	54	0.4	16.5	6.0	337	1.14	3.3	1.4	3.3	1.2	40	0.7	0.9	0.1	31	0.60	0.072
1157081	Soil	0.8	13.8	9.5	44	0.1	7.8	5.9	296	1.76	3.6	0.2	0.5	1.0	6	<0.1	0.4	0.2	28	0.04	0.043
1157080	Soil	1.3	8.3	8.8	51	0.1	9.1	4.3	171	1.49	3.4	0.2	1.2	1.4	9	<0.1	0.4	0.2	32	0.06	0.032
1157074	Soil	6.1	36.6	12.2	127	0.5	30.0	9.9	548	2.25	11.4	1.0	6.1	1.6	20	0.7	1.9	0.2	45	0.16	0.087
1157075	Soil	56.9	83.7	13.4	528	1.6	124.0	11.3	545	2.80	24.3	2.8	6.9	4.2	52	8.5	12.7	0.2	173	0.68	0.186
1157079	Soil	3.6	36.7	16.5	103	0.2	38.3	7.1	163	3.73	8.8	1.3	1.7	5.1	62	0.3	0.8	0.4	23	0.48	0.141
1157077	Soil	11.3	52.5	13.0	185	0.3	48.2	11.4	544	2.81	13.9	1.3	7.0	3.9	26	0.9	3.1	0.3	59	0.21	0.122
1157076	Soil	10.2	47.8	13.5	181	0.9	42.5	11.0	407	2.81	12.0	1.2	6.9	2.9	22	1.0	2.8	0.2	66	0.18	0.114
1157073	Soil	6.0	37.7	11.3	108	0.4	24.1	8.5	421	1.93	9.8	0.8	3.5	1.2	18	0.6	1.6	0.2	42	0.12	0.068
1157082	Soil	0.4	6.2	4.0	17	0.1	3.4	2.3	121	0.79	1.1	0.1	<0.5	0.3	6	<0.1	0.2	0.1	15	0.02	0.024
1157078	Soil	11.2	45.7	15.2	178	0.3	42.5	9.4	570	2.90	14.0	1.1	4.7	1.6	21	0.8	2.9	0.3	73	0.17	0.128
1157054	Soil	1.6	26.1	15.7	76	0.2	20.9	9.4	395	2.39	8.7	0.6	1.0	1.8	22	0.2	0.6	0.3	30	0.24	0.060
1157057	Soil	1.0	16.2	12.8	68	0.1	16.6	8.4	266	2.51	5.0	0.2	1.0	1.5	13	0.2	0.4	0.3	23	0.13	0.032
1157058	Soil	0.9	15.2	11.5	84	<0.1	11.3	8.0	678	2.20	4.5	0.2	<0.5	1.5	7	<0.1	0.3	0.3	21	0.06	0.061



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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
1144173	Soil	3	15	0.10	968	0.006	1	0.77	0.003	0.05	<0.1	0.04	2.6	<0.1	<0.05	2	0.9	<0.2
1144174	Soil	3	22	0.07	3148	0.004	2	0.79	0.003	0.07	<0.1	0.08	3.4	0.1	<0.05	2	1.4	<0.2
1144176	Soil	4	18	0.11	906	0.011	<1	0.70	0.003	0.08	<0.1	0.08	2.9	0.1	<0.05	3	1.7	<0.2
1144180	Soil	2	23	0.06	2386	0.005	2	0.60	0.003	0.13	<0.1	0.05	3.4	0.1	<0.05	3	<0.5	<0.2
1144175	Soil	2	17	0.03	2182	<0.001	2	0.61	0.003	0.09	<0.1	0.58	6.4	0.3	<0.05	2	5.6	<0.2
1144178	Soil	5	22	0.03	259	0.005	1	0.54	0.003	0.06	<0.1	0.18	1.5	0.1	<0.05	3	3.1	<0.2
1144177	Soil	7	29	0.17	560	0.021	3	1.11	0.004	0.08	0.1	0.34	3.3	0.2	<0.05	5	2.1	<0.2
1157063	Soil	6	17	0.26	572	0.006	3	1.11	0.010	0.10	<0.1	0.04	2.1	0.2	<0.05	4	0.7	<0.2
1157065	Soil	7	16	0.25	581	0.006	3	0.93	0.015	0.09	<0.1	0.14	2.6	0.2	<0.05	3	0.8	<0.2
1157066	Soil	5	18	0.30	766	0.006	3	0.97	0.015	0.09	<0.1	0.16	2.7	0.2	<0.05	3	0.8	<0.2
1157067	Soil	6	18	0.27	1025	0.005	3	1.07	0.015	0.10	<0.1	0.20	3.5	0.2	<0.05	3	1.7	<0.2
1157064	Soil	7	15	0.27	345	0.010	2	0.80	0.013	0.07	0.1	0.04	2.1	0.1	<0.05	3	0.8	<0.2
1157068	Soil	6	19	0.27	618	0.005	4	1.05	0.012	0.11	<0.1	0.17	2.6	0.2	<0.05	3	1.0	<0.2
1157069	Soil	8	22	0.34	761	0.004	3	1.19	0.006	0.10	<0.1	0.15	2.6	0.3	<0.05	4	1.0	<0.2
1157071	Soil	4	13	0.10	168	0.007	2	0.69	0.013	0.06	<0.1	0.04	1.1	0.2	<0.05	3	1.2	<0.2
1157070	Soil	10	24	0.36	772	0.009	3	1.25	0.004	0.09	<0.1	0.12	3.3	0.2	<0.05	3	1.3	<0.2
1157072	Soil	5	11	0.19	636	0.008	2	0.61	0.018	0.06	<0.1	0.12	1.6	0.1	<0.05	2	1.2	<0.2
1157081	Soil	2	10	0.16	156	0.005	2	0.97	0.012	0.06	<0.1	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1157080	Soil	6	13	0.22	235	0.006	5	1.15	0.012	0.06	<0.1	<0.01	1.4	<0.1	<0.05	3	0.7	<0.2
1157074	Soil	10	19	0.23	393	0.007	3	0.93	0.005	0.08	<0.1	0.11	1.9	0.2	<0.05	3	1.4	<0.2
1157075	Soil	14	25	0.19	2560	0.004	4	1.02	0.005	0.12	0.1	0.38	5.5	0.8	0.06	3	5.4	<0.2
1157079	Soil	6	23	0.46	985	0.001	4	1.43	0.007	0.10	<0.1	0.07	4.2	0.2	0.07	3	2.2	<0.2
1157077	Soil	10	21	0.24	535	0.004	3	1.34	0.004	0.08	<0.1	0.09	2.8	0.2	<0.05	3	2.2	<0.2
1157076	Soil	11	24	0.23	380	0.008	3	1.42	0.005	0.07	0.1	0.09	2.9	0.3	<0.05	4	2.5	<0.2
1157073	Soil	9	14	0.17	670	0.004	3	0.89	0.008	0.08	<0.1	0.15	1.9	0.2	<0.05	3	1.7	<0.2
1157082	Soil	1	6	0.05	76	0.008	<1	0.46	0.016	0.03	<0.1	<0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
1157078	Soil	8	22	0.18	480	0.005	3	1.06	0.004	0.09	<0.1	0.07	2.1	0.2	<0.05	3	2.3	<0.2
1157054	Soil	6	18	0.36	461	0.006	2	1.29	0.008	0.06	<0.1	0.04	3.5	0.1	<0.05	3	1.1	<0.2
1157057	Soil	2	14	0.39	298	0.002	2	1.38	0.008	0.07	<0.1	0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
1157058	Soil	2	13	0.25	93	0.003	3	0.93	0.009	0.08	<0.1	0.02	2.3	<0.1	<0.05	3	<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
1157060	Soil	0.4	5.5	3.3	18	<0.1	2.6	1.8	95	0.62	1.2	0.1	0.9	<0.1	6	0.1	0.1	<0.1	12	0.05	0.028
1157059	Soil	1.3	20.5	8.7	72	0.2	15.1	5.3	242	1.78	3.9	0.5	<0.5	1.5	25	0.3	0.5	0.2	26	0.25	0.053
1157061	Soil	1.1	11.1	6.2	47	<0.1	9.5	3.5	155	1.31	3.4	0.2	1.4	0.9	24	0.2	0.3	0.2	25	0.24	0.024
1157062	Soil	0.7	12.1	11.1	47	0.2	10.3	7.0	340	1.84	3.3	0.2	0.9	1.0	11	0.1	0.2	0.2	20	0.12	0.044
1157056	Soil	1.1	22.2	16.0	92	0.1	23.2	13.6	506	3.07	6.3	0.3	2.0	2.7	15	<0.1	0.6	0.4	31	0.14	0.050
1157051	Soil	3.1	13.6	7.7	81	<0.1	13.1	3.8	236	1.82	6.2	0.3	1.3	0.6	8	0.2	0.8	0.2	37	0.04	0.046
1157055	Soil	0.8	13.8	11.4	77	<0.1	11.9	10.0	553	2.25	4.2	0.2	0.6	1.1	17	0.2	0.2	0.3	29	0.17	0.049
1157052	Soil	1.2	10.5	7.6	68	0.1	8.9	4.5	311	1.69	4.4	0.3	1.4	0.6	9	0.1	0.4	0.2	31	0.06	0.046
1157053	Soil	1.8	18.1	12.9	112	<0.1	22.2	9.5	513	2.93	8.8	0.4	5.0	1.1	15	0.3	0.9	0.3	41	0.13	0.091
1144481	Soil	2.5	27.6	7.7	64	0.5	12.3	3.0	114	1.72	7.8	0.6	1.1	<0.1	12	0.2	1.2	0.2	46	0.03	0.065
1144484	Soil	2.5	20.0	11.1	70	0.8	13.5	3.6	166	2.24	12.5	0.5	3.1	0.6	12	<0.1	1.5	0.3	71	0.04	0.041
1144482	Soil	1.9	18.8	6.0	47	0.1	8.8	2.6	1187	1.04	4.3	0.4	2.4	<0.1	8	<0.1	0.9	0.2	39	0.02	0.033
1144480	Soil	4.9	35.1	13.2	98	1.9	17.7	4.5	191	3.01	14.5	0.8	5.3	0.2	29	0.2	2.4	0.3	110	0.05	0.064
1144483	Soil	2.2	25.1	10.1	64	0.3	15.1	4.4	231	2.88	11.7	0.6	3.1	1.0	12	0.2	1.3	0.3	59	0.05	0.047
1144498	Soil	5.1	86.9	14.5	170	0.8	38.5	8.5	242	4.05	12.6	0.8	4.3	1.6	26	0.3	2.3	0.3	78	0.04	0.056
1144479	Soil	3.4	43.0	13.1	115	0.4	27.2	7.5	276	2.85	11.6	0.9	4.5	1.0	27	0.4	2.0	0.3	51	0.04	0.063
1144485	Soil	3.3	38.8	13.4	70	1.7	14.0	3.4	126	3.27	14.5	0.7	6.7	1.6	39	0.2	2.3	0.3	92	0.04	0.066
1144491	Soil	5.9	86.3	16.5	231	0.3	37.0	7.9	97	3.53	11.7	0.7	2.3	1.8	80	0.2	2.1	0.3	55	0.02	0.090
1144489	Soil	3.2	41.0	9.5	135	0.5	26.1	6.2	161	2.95	11.1	0.6	2.5	0.4	26	0.2	1.9	0.2	48	0.04	0.074
1144487	Soil	5.4	37.4	12.4	107	0.5	24.2	5.1	171	3.45	12.9	0.6	5.0	2.7	32	0.2	2.1	0.2	56	0.06	0.067
1144493	Soil	4.3	51.8	12.2	165	0.7	36.4	8.4	211	3.83	15.6	0.9	5.3	1.9	28	0.3	2.4	0.2	52	0.03	0.072
1144495	Soil	2.7	42.8	6.8	87	0.4	22.2	5.0	206	2.11	7.3	0.6	5.4	0.8	18	0.3	1.2	0.2	41	0.04	0.037
1144497	Soil	5.0	51.3	11.2	120	0.8	24.7	5.4	201	2.84	11.0	0.7	3.2	0.6	24	0.2	1.8	0.2	73	0.02	0.057
1144496	Soil	5.2	86.9	14.0	197	0.3	53.2	11.7	374	4.27	11.5	1.2	6.1	2.8	22	0.3	2.2	0.2	53	0.04	0.062
1144494	Soil	4.0	47.9	12.3	98	3.2	23.3	6.4	160	2.24	10.0	1.2	13.6	2.0	96	0.7	2.9	0.2	56	0.08	0.086
1144492	Soil	2.6	30.8	10.1	78	0.2	13.8	3.6	79	2.95	9.5	0.4	2.3	1.1	7	0.2	1.0	0.3	56	0.02	0.044
1144490	Soil	3.2	67.8	14.1	111	0.8	20.6	5.0	172	2.74	9.5	0.5	5.1	0.3	24	0.2	1.4	0.3	63	0.04	0.070
1144488	Soil	2.4	27.8	8.6	68	0.4	12.8	3.2	78	2.01	7.5	0.3	2.3	0.1	13	<0.1	1.0	0.2	50	0.02	0.059
1144486	Soil	3.4	25.0	12.4	60	2.3	9.5	2.6	86	1.87	9.8	0.5	6.0	0.3	18	<0.1	1.4	0.2	75	0.04	0.047
1144467	Soil	5.7	49.5	15.5	98	3.2	18.4	3.9	121	4.94	27.4	1.2	15.8	2.6	142	0.2	4.5	0.2	98	0.06	0.134



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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
1157060	Soil	2	4	0.05	70	0.006	1	0.30	0.017	0.04	<0.1	0.02	0.4	<0.1	<0.05	1	<0.5
1157059	Soil	6	15	0.28	377	0.005	<1	1.13	0.012	0.06	<0.1	0.03	2.4	<0.1	<0.05	3	0.6
1157061	Soil	4	11	0.22	341	0.007	2	0.79	0.016	0.06	<0.1	0.02	1.2	<0.1	<0.05	3	<0.5
1157062	Soil	3	11	0.26	256	0.003	<1	0.94	0.010	0.07	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5
1157056	Soil	5	21	0.49	333	0.003	3	1.64	0.006	0.09	<0.1	0.01	3.5	<0.1	<0.05	4	<0.5
1157051	Soil	7	13	0.17	114	0.009	<1	0.93	0.005	0.07	<0.1	<0.01	1.1	0.1	<0.05	4	0.9
1157055	Soil	4	14	0.30	189	0.004	3	1.21	0.005	0.08	<0.1	0.01	1.9	<0.1	<0.05	4	<0.5
1157052	Soil	6	13	0.21	227	0.007	<1	1.08	0.009	0.07	<0.1	<0.01	1.1	<0.1	<0.05	4	<0.5
1157053	Soil	9	23	0.41	163	0.013	2	1.35	0.006	0.09	0.1	0.02	2.1	0.1	<0.05	4	<0.5
1144481	Soil	8	14	0.07	137	0.006	1	0.65	0.009	0.07	0.1	0.05	0.2	0.1	0.06	4	1.6
1144484	Soil	12	17	0.14	120	0.027	<1	0.81	0.005	0.08	0.2	0.04	0.9	0.2	<0.05	6	0.6
1144482	Soil	9	8	0.02	233	0.007	1	0.41	0.010	0.05	<0.1	0.02	0.2	0.1	<0.05	3	<0.5
1144480	Soil	10	30	0.18	245	0.013	1	1.24	0.007	0.10	0.1	0.19	0.8	0.3	0.08	6	2.7
1144483	Soil	11	23	0.19	128	0.030	<1	1.20	0.009	0.06	0.2	0.06	1.4	0.1	<0.05	5	0.9
1144498	Soil	8	28	0.15	252	0.010	4	1.18	0.005	0.12	<0.1	0.06	2.3	0.2	0.07	5	2.6
1144479	Soil	8	21	0.23	299	0.014	3	1.09	0.005	0.12	<0.1	0.07	1.7	0.3	0.09	4	2.3
1144485	Soil	10	34	0.15	1104	0.027	<1	1.16	0.005	0.09	0.1	0.08	1.8	0.2	0.13	6	3.0
1144491	Soil	3	15	0.04	577	0.002	3	0.60	0.003	0.20	<0.1	0.06	2.8	0.5	0.16	2	2.7
1144489	Soil	7	15	0.08	182	0.012	<1	0.62	0.006	0.10	0.1	0.04	1.0	0.3	0.10	4	1.6
1144487	Soil	7	22	0.18	296	0.018	<1	1.14	0.004	0.09	0.1	0.09	2.0	0.5	0.10	4	2.4
1144493	Soil	8	20	0.16	206	0.013	<1	0.97	0.003	0.10	0.1	0.15	2.0	0.5	0.07	4	2.9
1144495	Soil	8	16	0.09	202	0.017	<1	0.86	0.016	0.07	0.1	0.04	1.1	0.1	0.06	4	1.6
1144497	Soil	7	20	0.10	230	0.013	2	0.84	0.007	0.11	<0.1	0.07	1.4	0.2	0.06	4	2.5
1144496	Soil	11	23	0.23	172	0.022	1	1.30	0.005	0.09	0.2	0.06	2.8	0.2	0.06	4	1.5
1144494	Soil	8	22	0.16	423	0.012	4	0.72	0.003	0.12	0.1	0.47	2.3	0.4	0.16	3	6.3
1144492	Soil	6	18	0.11	154	0.009	4	0.93	0.003	0.10	<0.1	0.06	1.4	0.3	<0.05	5	1.5
1144490	Soil	6	21	0.11	221	0.012	5	0.76	0.004	0.09	<0.1	0.04	1.0	0.2	0.06	4	1.6
1144488	Soil	6	12	0.05	145	0.007	3	0.61	0.005	0.09	<0.1	0.04	0.5	0.2	0.05	4	0.6
1144486	Soil	9	18	0.07	170	0.017	3	0.71	0.004	0.08	0.1	0.11	0.8	0.2	0.07	5	2.3
1144467	Soil	10	53	0.15	837	0.018	3	0.98	0.004	0.20	0.2	0.29	3.2	0.5	0.38	7	11.9



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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
1144477	Soil	3.0	34.4	10.3	79	0.5	16.0	8.3	371	1.94	8.5	0.8	2.0	0.2	20	0.4	1.3	0.2	41	0.04	0.065
1144478	Soil	3.3	46.2	12.4	132	0.4	26.6	7.6	224	2.59	9.9	0.8	3.0	0.8	25	0.3	1.6	0.2	44	0.03	0.067
1144476	Soil	4.6	55.5	11.6	102	1.5	19.9	5.5	168	2.13	9.1	1.1	8.6	0.4	30	0.6	1.9	0.2	52	0.07	0.090
1144474	Soil	4.4	62.5	10.5	111	1.8	20.8	4.8	132	2.23	10.5	1.2	8.1	0.6	30	0.6	2.0	0.2	58	0.06	0.094
1144475	Soil	4.1	60.1	10.0	114	1.5	20.9	5.1	133	2.28	11.4	1.1	8.0	1.0	33	0.4	2.3	0.1	59	0.09	0.085
1144473	Soil	4.4	36.1	9.0	65	1.7	13.0	3.1	85	1.62	7.9	1.0	6.6	0.9	30	0.3	2.2	0.1	50	0.09	0.076
1144469	Soil	3.5	80.7	12.8	198	0.5	23.4	5.4	63	2.58	8.7	0.7	1.8	0.5	46	0.3	1.7	0.2	52	0.02	0.075
1144470	Soil	6.1	79.6	11.9	193	0.3	28.4	5.0	111	5.65	13.6	1.2	2.4	4.4	33	0.5	2.2	0.2	50	0.03	0.132
1144468	Soil	14.3	23.4	14.4	110	2.2	10.8	1.9	43	2.06	25.0	0.9	2.1	0.3	55	0.2	4.3	0.2	126	0.04	0.075
1144472	Soil	2.7	54.3	10.0	115	1.0	21.4	5.4	125	2.90	11.3	0.7	6.5	1.4	18	0.1	1.9	0.2	67	0.06	0.061
1144471	Soil	2.5	30.5	8.1	74	0.3	14.1	2.9	56	1.95	6.5	0.4	0.6	0.3	13	<0.1	0.9	0.1	43	0.03	0.053
1144402	Soil	2.5	20.9	10.7	87	1.0	14.1	5.0	201	2.44	11.2	0.6	1.6	1.9	13	0.3	1.0	0.2	57	0.05	0.042
1144401	Soil	2.6	26.8	12.0	73	0.7	12.8	4.1	143	2.40	10.2	0.6	1.5	0.5	11	0.2	1.1	0.2	60	0.04	0.049
1144404	Soil	3.0	43.0	11.8	90	0.5	20.7	9.1	357	2.20	10.4	1.3	3.5	0.6	12	0.5	1.0	0.2	42	0.07	0.069
1144403	Soil	2.6	36.1	11.7	86	0.2	17.8	6.2	227	2.55	10.1	0.7	2.1	0.9	11	0.3	1.1	0.2	51	0.05	0.048
1144412	Soil	2.2	56.0	6.7	64	1.0	24.1	5.0	315	1.21	3.9	2.0	5.6	0.8	62	1.0	0.9	0.1	24	1.06	0.060
1144411	Soil	4.5	69.1	6.9	132	0.9	32.6	5.9	351	1.31	5.9	1.9	5.2	0.6	51	2.4	1.2	0.1	21	1.15	0.078
1144410	Soil	6.8	26.9	6.9	115	0.1	18.3	4.8	150	1.71	10.5	0.4	3.1	0.8	14	2.6	1.4	0.2	44	0.15	0.028
1144407	Soil	4.1	32.3	12.6	98	0.3	32.1	10.2	319	2.99	10.7	0.9	1.6	5.9	33	0.4	0.9	0.2	23	0.58	0.198
1144405	Soil	13.3	71.4	14.8	174	0.7	49.2	15.3	295	3.23	20.5	1.9	5.8	5.6	41	1.3	1.9	0.3	26	0.57	0.190
1144406	Soil	4.1	22.2	6.5	69	0.7	18.1	7.0	336	1.35	4.0	1.4	2.2	0.4	24	0.7	0.5	0.1	27	0.32	0.097
1144408	Soil	5.4	82.0	16.1	245	3.5	62.0	10.0	157	3.18	10.0	1.1	13.6	4.0	31	1.6	1.9	0.2	17	0.45	0.122
1144409	Soil	37.7	132.8	11.5	473	2.5	79.5	10.3	393	3.14	30.0	1.8	11.1	2.9	35	6.4	8.4	0.2	53	0.61	0.143
1144422	Soil	4.2	58.1	10.0	104	0.9	32.3	7.6	223	1.73	6.7	1.0	7.2	2.8	54	0.9	1.4	0.2	39	0.54	0.094
1144415	Soil	1.7	38.9	7.0	60	1.4	24.8	5.8	304	1.17	3.6	1.2	8.1	0.7	52	0.8	0.8	0.1	29	0.61	0.068
1144419	Soil	5.5	36.2	5.7	95	1.1	22.9	3.6	67	1.11	4.0	0.6	3.6	0.4	26	0.7	1.3	0.1	24	0.25	0.045
1144420	Soil	4.2	44.8	8.5	98	1.0	28.5	7.3	283	1.69	5.9	1.0	6.8	2.3	49	0.9	1.4	0.2	36	0.50	0.083
1144417	Soil	1.9	30.7	6.6	64	1.0	17.8	5.9	670	1.18	3.1	1.2	5.0	0.8	68	0.9	0.8	0.1	34	0.74	0.053
1144421	Soil	10.5	43.9	8.6	168	0.6	30.1	5.3	149	1.60	10.0	0.7	6.3	1.1	47	0.9	2.2	0.2	32	0.64	0.054
1144414	Soil	3.3	52.1	9.7	91	0.9	31.4	7.2	325	1.81	6.1	1.5	7.6	2.0	51	0.7	1.5	0.2	41	0.86	0.070



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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
1144477	Soil	6	15	0.11	346	0.010	3	0.76	0.015	0.11	0.1	0.09	1.0	0.4	0.08	3	1.2	<0.2
1144478	Soil	6	17	0.11	353	0.008	4	0.70	0.004	0.12	<0.1	0.06	1.4	0.2	0.11	3	2.3	<0.2
1144476	Soil	6	21	0.15	394	0.008	4	0.82	0.010	0.12	<0.1	0.32	1.5	0.6	0.11	3	3.2	<0.2
1144474	Soil	7	23	0.14	468	0.007	4	0.84	0.004	0.13	<0.1	0.45	1.8	0.4	0.12	3	2.9	<0.2
1144475	Soil	8	22	0.16	428	0.011	3	0.79	0.005	0.13	0.1	0.32	2.0	0.4	0.11	3	3.2	<0.2
1144473	Soil	6	17	0.12	306	0.016	3	0.61	0.009	0.12	<0.1	0.34	1.5	0.3	0.14	2	4.1	<0.2
1144469	Soil	5	11	0.03	269	0.006	4	0.59	0.006	0.14	<0.1	0.09	1.3	0.3	0.09	3	2.5	<0.2
1144470	Soil	6	27	0.23	562	0.013	3	1.28	0.006	0.21	<0.1	0.17	3.2	0.7	0.26	4	5.2	<0.2
1144468	Soil	8	21	0.06	337	0.008	3	0.65	0.006	0.13	<0.1	0.16	1.0	0.8	0.23	5	5.8	<0.2
1144472	Soil	8	22	0.15	205	0.018	3	0.80	0.005	0.09	0.2	0.13	1.6	0.2	<0.05	4	2.1	<0.2
1144471	Soil	5	14	0.08	220	0.009	4	0.70	0.010	0.11	<0.1	0.08	0.9	0.2	0.06	3	1.0	<0.2
1144402	Soil	11	22	0.20	560	0.021	2	1.21	0.005	0.09	0.2	0.05	1.7	0.1	<0.05	5	1.1	<0.2
1144401	Soil	10	19	0.11	512	0.012	1	1.17	0.005	0.06	0.2	0.04	1.0	0.1	<0.05	5	0.9	<0.2
1144404	Soil	11	20	0.25	567	0.006	3	1.36	0.005	0.07	0.2	0.06	0.9	0.1	<0.05	3	0.5	<0.2
1144403	Soil	11	24	0.23	461	0.014	2	1.25	0.004	0.07	0.2	0.03	1.4	0.1	<0.05	4	1.2	<0.2
1144412	Soil	5	12	0.24	580	0.005	3	0.73	0.011	0.06	<0.1	0.24	2.3	0.1	0.08	2	3.2	<0.2
1144411	Soil	5	9	0.18	512	0.003	2	0.62	0.010	0.05	<0.1	0.37	2.0	0.2	0.10	2	4.3	<0.2
1144410	Soil	6	9	0.06	212	0.005	1	0.47	0.006	0.08	<0.1	0.02	1.2	0.1	<0.05	3	1.2	<0.2
1144407	Soil	13	19	0.55	471	0.004	4	1.17	0.005	0.11	<0.1	0.20	4.5	0.3	<0.05	3	1.2	<0.2
1144405	Soil	12	16	0.49	816	0.002	3	1.06	0.003	0.12	<0.1	0.32	5.9	0.5	<0.05	3	2.1	<0.2
1144406	Soil	8	12	0.20	1116	0.004	2	0.97	0.013	0.07	<0.1	0.21	1.2	0.2	<0.05	3	0.6	<0.2
1144408	Soil	9	18	0.23	477	0.001	2	0.64	0.003	0.08	<0.1	0.45	4.7	0.2	<0.05	2	7.3	<0.2
1144409	Soil	7	12	0.07	436	0.001	2	0.40	0.005	0.07	<0.1	0.89	7.0	1.1	<0.05	1	11.1	0.2
1144422	Soil	9	17	0.27	1195	0.004	4	0.81	0.004	0.10	<0.1	0.22	3.4	0.2	<0.05	2	1.9	<0.2
1144415	Soil	5	12	0.19	818	0.005	3	0.77	0.017	0.08	<0.1	0.29	2.4	0.2	<0.05	2	2.5	<0.2
1144419	Soil	5	9	0.07	388	0.002	1	0.47	0.009	0.05	<0.1	0.11	0.9	0.2	<0.05	2	1.5	<0.2
1144420	Soil	8	17	0.23	1310	0.005	3	0.77	0.006	0.09	<0.1	0.20	2.9	0.1	<0.05	2	2.2	<0.2
1144417	Soil	5	12	0.17	726	0.006	3	0.76	0.016	0.06	<0.1	0.17	1.9	0.2	0.07	2	2.6	<0.2
1144421	Soil	4	12	0.17	579	0.003	2	0.48	0.005	0.06	<0.1	0.23	2.2	0.3	<0.05	2	2.7	<0.2
1144414	Soil	7	17	0.30	1065	0.003	2	0.94	0.007	0.08	<0.1	0.20	2.9	0.2	0.05	3	2.6	<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	2	0.01	0.001
1144425	Soil	1.5	35.7	7.5	78	0.7	22.9	6.2	191	1.48	3.8	1.3	5.9	1.1	86	0.6	0.8	0.2	35	0.84	0.060
1144413	Soil	4.1	36.2	6.9	86	0.6	21.9	6.1	342	1.51	5.5	0.6	5.4	1.5	42	0.5	1.3	0.1	27	0.56	0.054
1144424	Soil	1.5	33.2	9.0	83	0.8	20.7	6.6	368	1.61	4.6	1.1	6.1	1.2	96	0.5	0.8	0.2	30	1.05	0.083
1144423	Soil	2.3	45.3	8.0	69	0.8	22.2	4.6	166	1.59	5.4	1.3	8.2	0.9	71	0.5	0.9	0.1	35	0.64	0.076
1144418	Soil	2.8	49.1	8.6	95	1.3	32.4	5.0	197	1.52	4.4	1.4	8.1	1.4	71	0.8	1.4	0.2	34	0.81	0.079
1144431	Soil	2.6	36.7	8.1	96	1.3	22.5	7.5	877	1.75	3.4	2.0	9.1	1.5	51	1.5	1.2	0.2	39	0.51	0.102
1144433	Soil	4.3	28.2	6.7	86	0.6	19.7	5.2	335	1.26	4.0	1.1	7.5	1.9	38	0.7	1.0	<0.1	28	0.40	0.118
1144432	Soil	1.4	28.6	6.8	76	0.9	17.8	5.1	361	1.22	2.9	1.5	5.2	1.1	51	1.1	0.8	0.1	31	0.59	0.105
1144435	Soil	5.0	41.8	9.0	157	0.5	27.7	8.5	396	2.07	9.6	1.1	4.4	1.9	26	1.2	1.9	0.1	37	0.23	0.147
1144434	Soil	4.9	40.8	9.3	150	0.5	28.0	8.5	426	2.08	9.6	1.0	3.7	1.7	25	1.1	1.7	0.2	37	0.22	0.144
1144430	Soil	2.1	30.1	8.0	94	0.8	17.9	6.2	540	1.61	5.2	1.2	9.4	1.2	65	1.0	0.9	0.2	36	0.64	0.091
1144429	Soil	1.6	24.0	6.6	72	0.6	15.4	4.2	258	1.19	3.8	0.8	4.5	1.0	59	0.7	0.8	0.1	32	0.71	0.081
1144428	Soil	2.4	33.6	9.2	113	0.7	25.1	6.9	441	1.85	6.2	1.0	8.5	1.6	87	0.7	1.2	0.2	38	0.95	0.100
1144427	Soil	3.0	32.0	8.0	110	0.7	23.1	7.0	481	1.69	5.5	1.0	6.5	1.9	52	0.9	1.3	0.2	38	0.58	0.098
1144426	Soil	2.5	37.9	9.7	113	0.9	28.0	8.5	477	2.00	6.2	0.9	6.7	1.7	104	0.5	1.3	0.2	33	1.08	0.093
1061627	Soil	2.3	33.9	15.9	116	0.2	21.2	9.9	390	2.12	9.5	0.7	1.9	5.0	21	0.2	3.0	0.2	12	0.28	0.066
1061629	Soil	1.9	18.8	17.0	90	<0.1	13.2	8.8	361	1.99	8.2	0.4	1.2	3.1	23	0.6	2.0	0.2	21	0.23	0.035
1061628	Soil	2.0	37.8	42.1	149	0.2	32.7	9.9	474	3.17	14.5	0.7	2.6	4.2	22	0.5	2.5	0.3	30	0.20	0.047
1061630	Soil	1.8	41.7	45.7	117	0.5	30.1	9.5	337	1.94	9.4	0.6	1.1	1.1	29	1.5	5.1	0.2	17	0.36	0.051
1061631	Soil	1.3	45.6	34.2	128	0.2	33.0	8.0	269	2.40	14.6	1.0	4.7	5.0	26	0.2	2.3	0.4	34	0.25	0.070
1061632	Soil	1.9	35.2	81.8	208	0.1	28.3	11.8	494	3.07	28.0	0.7	3.7	4.3	18	0.6	3.4	0.3	27	0.15	0.070
1061633	Soil	1.4	25.2	21.8	131	0.4	11.6	5.2	290	2.01	11.3	0.3	<0.5	1.1	9	2.7	1.8	0.2	30	0.06	0.059
1061634	Soil	2.9	59.5	62.3	233	0.2	36.0	15.5	1125	4.48	27.2	1.0	4.0	4.8	16	1.5	4.8	0.4	34	0.12	0.090
1061625	Soil	1.5	25.7	21.9	113	0.3	14.1	14.7	781	1.99	6.8	0.4	0.7	2.2	10	1.2	1.3	0.2	31	0.07	0.046
1061622	Soil	1.7	25.2	41.2	154	0.2	23.1	9.6	526	2.71	11.5	0.5	1.8	3.0	14	0.5	1.8	0.3	32	0.10	0.041
1061620	Soil	1.8	20.3	23.2	134	0.3	14.3	7.7	434	2.42	9.5	0.4	0.9	1.3	10	1.4	1.6	0.4	49	0.05	0.053
1061618	Soil	2.6	56.7	72.9	228	0.5	46.6	10.4	735	3.35	13.6	1.1	3.8	5.8	35	1.1	2.6	0.3	44	0.27	0.053
1061619	Soil	1.9	27.7	27.3	136	0.5	20.6	13.0	954	3.39	14.3	0.5	0.7	0.4	13	1.5	1.9	0.3	50	0.06	0.092
1061621	Soil	2.2	25.0	32.0	175	0.2	22.3	8.4	436	3.09	14.5	0.4	1.6	2.6	15	1.0	2.4	0.3	40	0.09	0.052
1061623	Soil	2.1	25.3	37.6	154	0.2	16.9	8.5	561	3.80	13.8	0.4	3.7	2.5	6	0.5	2.4	0.3	43	0.03	0.096



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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
1144425	Soil	5	15	0.25	996	0.002	3	1.10	0.013	0.07	<0.1	0.27	2.7	0.2	<0.05	3	2.0	<0.2
1144413	Soil	5	12	0.24	580	0.005	2	0.64	0.010	0.06	<0.1	0.13	2.0	0.1	<0.05	2	1.9	<0.2
1144424	Soil	5	14	0.31	715	0.003	3	0.93	0.011	0.09	<0.1	0.26	2.6	0.2	<0.05	3	2.1	<0.2
1144423	Soil	5	13	0.19	769	0.003	2	0.92	0.015	0.08	<0.1	0.17	2.2	0.2	<0.05	3	2.1	<0.2
1144418	Soil	6	14	0.24	853	0.003	3	0.85	0.012	0.08	<0.1	0.27	2.6	0.2	<0.05	2	2.5	<0.2
1144431	Soil	8	16	0.20	934	0.002	4	1.04	0.015	0.08	<0.1	0.37	2.8	0.2	0.06	3	5.4	<0.2
1144433	Soil	7	12	0.20	561	0.003	3	0.67	0.008	0.08	<0.1	0.23	1.9	0.2	<0.05	2	2.3	<0.2
1144432	Soil	6	14	0.21	729	0.003	3	0.89	0.013	0.08	<0.1	0.28	2.1	0.2	<0.05	3	3.1	<0.2
1144435	Soil	9	13	0.22	421	0.004	2	0.68	0.003	0.07	<0.1	0.15	1.9	0.2	<0.05	2	1.5	<0.2
1144434	Soil	8	13	0.21	400	0.003	2	0.67	0.003	0.07	<0.1	0.16	1.7	0.2	<0.05	2	1.6	<0.2
1144430	Soil	6	14	0.24	646	0.003	3	0.90	0.012	0.08	<0.1	0.24	2.4	0.2	<0.05	3	2.3	<0.2
1144429	Soil	5	12	0.26	581	0.004	3	0.74	0.012	0.08	<0.1	0.18	1.9	0.1	<0.05	2	1.9	<0.2
1144428	Soil	6	16	0.32	862	0.004	4	0.92	0.010	0.11	<0.1	0.24	3.0	0.2	<0.05	3	1.8	<0.2
1144427	Soil	7	15	0.27	936	0.004	4	0.88	0.008	0.10	<0.1	0.20	2.6	0.2	<0.05	3	1.6	<0.2
1144426	Soil	6	15	0.36	1103	0.003	4	1.00	0.011	0.09	<0.1	0.24	3.4	0.2	0.05	3	1.7	<0.2
1061627	Soil	10	6	0.11	271	0.002	2	0.61	0.003	0.09	<0.1	0.02	2.6	<0.1	<0.05	1	1.5	<0.2
1061629	Soil	20	7	0.07	187	0.003	2	0.46	0.004	0.09	<0.1	<0.01	1.3	<0.1	<0.05	2	<0.5	<0.2
1061628	Soil	19	16	0.29	298	0.006	3	1.20	0.005	0.13	<0.1	0.05	3.5	0.2	<0.05	3	1.2	<0.2
1061630	Soil	15	8	0.11	295	0.003	1	0.66	0.011	0.09	<0.1	0.03	1.5	<0.1	<0.05	2	0.6	<0.2
1061631	Soil	18	19	0.38	303	0.021	2	1.07	0.005	0.08	0.2	0.05	2.9	0.1	<0.05	3	0.8	<0.2
1061632	Soil	15	16	0.30	154	0.008	2	0.99	0.003	0.10	0.2	0.04	2.3	0.1	<0.05	3	1.0	<0.2
1061633	Soil	15	11	0.09	200	0.006	2	0.61	0.004	0.11	<0.1	0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1061634	Soil	16	18	0.31	223	0.009	2	1.08	0.004	0.12	0.2	0.07	3.7	0.2	<0.05	3	0.9	<0.2
1061625	Soil	21	10	0.14	273	0.008	2	0.84	0.007	0.14	<0.1	0.01	1.6	0.1	<0.05	3	0.5	<0.2
1061622	Soil	15	17	0.29	372	0.007	3	1.00	0.003	0.12	<0.1	0.04	2.0	0.1	<0.05	3	1.1	<0.2
1061620	Soil	21	15	0.15	259	0.010	1	0.94	0.005	0.10	<0.1	0.01	1.3	0.1	<0.05	5	0.8	<0.2
1061618	Soil	23	28	0.50	619	0.006	3	1.74	0.007	0.20	<0.1	0.10	5.0	0.2	<0.05	4	1.9	<0.2
1061619	Soil	18	22	0.25	276	0.007	2	1.22	0.006	0.11	<0.1	0.03	1.0	0.2	<0.05	5	0.7	<0.2
1061621	Soil	19	19	0.33	369	0.008	2	1.15	0.005	0.14	0.1	0.02	2.1	0.2	<0.05	4	0.8	<0.2
1061623	Soil	17	17	0.21	154	0.005	2	1.13	0.004	0.11	<0.1	0.01	2.1	0.2	<0.05	4	0.6	<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 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
1061624	Soil	2.2	29.5	48.2	170	0.4	20.6	11.5	987	3.75	15.1	0.4	1.2	2.7	13	0.9	3.0	0.3	43	0.09	0.078
1061617	Soil	2.4	32.5	37.5	176	0.3	25.3	11.3	549	2.62	10.8	0.7	2.5	2.1	20	1.0	2.4	0.3	40	0.15	0.056
1061616	Soil	2.6	35.3	41.0	188	0.3	27.9	12.9	644	2.89	12.4	0.7	1.0	2.3	23	1.1	2.8	0.4	40	0.18	0.064
1061614	Soil	1.2	23.5	24.5	74	0.4	13.3	8.6	411	1.38	5.6	0.5	1.0	0.5	9	1.1	1.3	0.2	32	0.09	0.031
1061615	Soil	2.1	22.8	24.6	109	0.2	12.6	5.0	197	2.93	12.8	0.3	1.2	1.7	8	0.9	5.3	0.3	46	0.04	0.040
1061626	Soil	1.9	51.7	16.3	132	<0.1	25.2	6.6	162	2.41	8.5	0.5	2.1	4.2	10	0.4	1.3	0.3	24	0.06	0.031
1061604	Soil	3.5	43.1	31.6	130	0.2	24.1	12.5	902	5.03	32.7	1.1	4.4	1.9	14	0.6	2.4	1.0	137	0.06	0.062
1061603	Soil	0.9	7.9	5.6	13	0.1	1.9	1.5	167	0.44	2.3	0.3	1.3	<0.1	7	<0.1	0.4	0.2	22	0.06	0.032
1061606	Soil	1.9	28.1	18.6	97	0.2	17.0	5.1	299	2.61	11.7	0.4	0.8	0.9	19	0.4	1.8	0.4	71	0.04	0.043
1061605	Soil	2.4	29.4	21.5	65	0.5	11.9	8.0	499	1.69	22.3	0.6	1.4	0.3	13	0.5	1.7	0.8	55	0.04	0.039
1061602	Soil	0.8	5.6	3.6	16	<0.1	2.0	0.9	70	0.35	2.6	0.2	1.2	0.1	9	0.1	0.3	0.1	14	0.06	0.027
1061607	Soil	1.8	28.0	45.7	142	<0.1	16.7	13.3	510	2.44	8.3	0.5	0.7	1.1	60	2.5	3.0	0.7	76	0.08	0.061
1061608	Soil	3.0	42.8	19.5	236	0.1	42.3	10.0	341	4.26	13.1	0.6	3.5	4.0	69	0.5	5.2	0.5	119	0.10	0.043
1061609	Soil	2.1	22.6	17.8	155	0.3	20.4	5.0	192	2.27	6.5	0.4	1.4	1.1	40	1.1	3.0	0.3	80	0.05	0.039
1061610	Soil	2.5	26.5	73.4	128	0.1	20.0	5.7	269	3.09	17.5	0.5	<0.5	2.0	13	0.7	4.6	0.5	86	0.03	0.053
1061611	Soil	3.0	29.0	59.9	185	0.1	27.1	12.2	1103	4.38	15.0	0.4	3.5	2.7	8	0.8	2.7	0.4	62	0.03	0.043
1061613	Soil	2.0	18.2	26.3	91	0.2	13.1	5.6	353	2.32	10.0	0.3	<0.5	0.8	6	0.4	2.1	0.2	44	0.03	0.049
1061612	Soil	2.2	40.9	51.0	142	0.1	33.2	11.1	300	3.00	12.0	0.5	3.2	4.2	6	0.5	3.7	0.4	38	0.02	0.032



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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	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
1061624	Soil	18	18	0.38	286	0.004	2	1.35	0.005	0.14	<0.1	0.04	2.8	0.2	<0.05	4	0.7	<0.2
1061617	Soil	20	24	0.37	314	0.010	2	1.21	0.005	0.13	<0.1	0.02	2.3	0.2	<0.05	4	1.4	<0.2
1061616	Soil	22	25	0.41	345	0.010	3	1.26	0.005	0.14	0.1	0.03	2.5	0.2	<0.05	4	1.6	<0.2
1061614	Soil	16	11	0.15	264	0.008	2	0.76	0.010	0.10	<0.1	0.02	0.9	0.2	<0.05	3	<0.5	<0.2
1061615	Soil	19	13	0.15	193	0.006	3	0.89	0.004	0.11	<0.1	0.01	1.3	0.2	<0.05	4	1.1	<0.2
1061626	Soil	22	13	0.27	286	0.001	3	1.12	0.002	0.11	<0.1	0.02	2.2	0.3	<0.05	3	0.8	<0.2
1061604	Soil	14	49	0.36	212	0.067	2	1.95	0.007	0.13	0.3	0.02	2.5	0.2	0.09	10	1.7	0.2
1061603	Soil	5	4	0.03	46	0.016	1	0.42	0.019	0.03	<0.1	<0.01	0.3	<0.1	<0.05	2	<0.5	<0.2
1061606	Soil	11	24	0.36	209	0.038	3	1.57	0.013	0.20	0.1	<0.01	1.8	0.3	0.10	6	1.0	<0.2
1061605	Soil	9	18	0.15	184	0.018	2	0.94	0.016	0.08	0.1	0.03	0.9	0.2	0.07	4	1.0	<0.2
1061602	Soil	4	4	0.04	49	0.015	<1	0.33	0.024	0.04	<0.1	0.02	0.6	<0.1	0.06	2	<0.5	<0.2
1061607	Soil	11	19	0.20	167	0.035	1	1.31	0.010	0.12	0.1	0.01	1.4	0.2	0.06	7	0.7	<0.2
1061608	Soil	14	41	0.72	209	0.103	12	2.58	0.009	0.31	0.3	<0.01	3.5	0.4	0.07	9	1.2	<0.2
1061609	Soil	9	22	0.28	137	0.045	1	1.41	0.008	0.14	0.2	<0.01	1.8	0.2	0.09	6	1.0	<0.2
1061610	Soil	15	22	0.24	130	0.035	3	1.28	0.005	0.15	0.2	<0.01	2.0	0.2	0.07	7	0.8	<0.2
1061611	Soil	18	25	0.31	262	0.006	3	1.76	0.002	0.12	<0.1	0.01	2.3	0.2	0.05	6	1.0	<0.2
1061613	Soil	16	12	0.13	190	0.012	3	0.82	0.005	0.11	<0.1	<0.01	1.1	0.2	<0.05	5	1.1	<0.2
1061612	Soil	22	19	0.30	154	0.004	3	1.59	0.003	0.11	<0.1	0.02	2.2	0.2	<0.05	4	1.6	<0.2



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Part 1

QUALITY CONTROL REPORT

WHI11001103.1

	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
Pulp Duplicates																					
1144218	Soil	3.1	23.8	8.8	87	0.7	25.8	7.8	250	2.18	10.9	0.9	7.9	3.6	18	0.4	2.0	0.2	48	0.20	0.080
REP 1144218	QC	2.8	24.0	8.8	86	0.7	25.7	7.6	250	2.16	10.3	0.9	5.4	3.7	19	0.3	1.9	0.2	48	0.20	0.079
1157229	Soil	1.7	24.8	9.3	85	0.3	21.1	7.6	376	1.71	5.0	1.0	2.3	1.5	57	0.4	0.5	0.2	17	1.15	0.116
REP 1157229	QC	1.9	25.4	9.2	87	0.3	21.5	7.7	384	1.75	5.2	1.0	1.3	1.5	57	0.6	0.5	0.2	18	1.21	0.119
1157225	Soil	0.3	8.4	1.4	22	<0.1	4.7	1.4	89	0.35	<0.5	0.7	1.2	0.2	31	0.5	0.2	<0.1	7	0.60	0.035
REP 1157225	QC	0.3	7.8	1.4	21	<0.1	4.5	1.4	90	0.35	<0.5	0.7	1.4	0.1	30	0.5	0.2	<0.1	6	0.56	0.037
1157211	Soil	4.2	22.7	11.6	76	0.2	18.1	8.1	278	1.97	8.3	0.4	<0.5	1.1	16	0.4	0.8	0.2	30	0.10	0.065
REP 1157211	QC	4.2	22.0	12.0	77	0.1	18.2	8.2	277	1.93	8.0	0.4	1.0	1.1	16	0.5	0.8	0.2	30	0.10	0.061
1144157	Soil	2.7	33.8	11.5	103	0.2	37.6	11.9	758	2.79	13.9	1.4	3.0	2.7	20	0.5	1.4	0.2	61	0.21	0.128
REP 1144157	QC	2.7	34.4	12.3	104	0.2	37.4	11.5	758	2.83	14.2	1.5	3.3	2.8	21	0.5	1.4	0.3	62	0.20	0.128
1157063	Soil	3.7	26.3	12.0	81	0.2	17.7	10.4	517	2.31	7.3	0.4	1.6	1.7	16	0.3	1.0	0.2	44	0.17	0.046
REP 1157063	QC	3.5	26.1	11.5	81	0.2	17.7	10.1	517	2.28	7.2	0.4	1.4	1.7	16	0.4	0.9	0.2	43	0.17	0.044
1157057	Soil	1.0	16.2	12.8	68	0.1	16.6	8.4	266	2.51	5.0	0.2	1.0	1.5	13	0.2	0.4	0.3	23	0.13	0.032
REP 1157057	QC	0.9	16.2	12.2	69	0.2	16.5	8.3	259	2.46	4.5	0.2	1.8	1.4	13	0.1	0.3	0.3	22	0.14	0.033
1144485	Soil	3.3	38.8	13.4	70	1.7	14.0	3.4	126	3.27	14.5	0.7	6.7	1.6	39	0.2	2.3	0.3	92	0.04	0.066
REP 1144485	QC	3.1	39.3	13.8	71	1.7	13.8	3.5	125	3.19	13.8	0.7	7.8	1.5	39	0.2	2.5	0.3	92	0.04	0.065
1144472	Soil	2.7	54.3	10.0	115	1.0	21.4	5.4	125	2.90	11.3	0.7	6.5	1.4	18	0.1	1.9	0.2	67	0.06	0.061
REP 1144472	QC	2.7	55.1	10.2	123	1.0	21.5	5.2	125	2.91	10.6	0.7	6.5	1.4	19	0.3	2.0	0.2	70	0.06	0.062
1144401	Soil	2.6	26.8	12.0	73	0.7	12.8	4.1	143	2.40	10.2	0.6	1.5	0.5	11	0.2	1.1	0.2	60	0.04	0.049
REP 1144401	QC	2.6	27.2	11.6	77	0.8	13.3	4.1	150	2.41	9.9	0.6	2.1	0.4	12	0.2	1.2	0.2	61	0.04	0.047
1144418	Soil	2.8	49.1	8.6	95	1.3	32.4	5.0	197	1.52	4.4	1.4	8.1	1.4	71	0.8	1.4	0.2	34	0.81	0.079
REP 1144418	QC	2.8	48.1	8.6	95	1.2	31.1	4.7	191	1.48	4.3	1.4	8.5	1.3	72	0.9	1.4	0.2	32	0.81	0.077
1061614	Soil	1.2	23.5	24.5	74	0.4	13.3	8.6	411	1.38	5.6	0.5	1.0	0.5	9	1.1	1.3	0.2	32	0.09	0.031
REP 1061614	QC	1.0	23.9	25.5	78	0.4	14.3	8.9	429	1.50	5.7	0.5	0.9	0.5	10	1.4	1.4	0.2	32	0.09	0.032
1061609	Soil	2.1	22.6	17.8	155	0.3	20.4	5.0	192	2.27	6.5	0.4	1.4	1.1	40	1.1	3.0	0.3	80	0.05	0.039
REP 1061609	QC	2.2	24.5	19.4	165	0.3	22.5	5.6	203	2.38	7.6	0.4	1.7	1.1	44	1.2	3.3	0.3	83	0.06	0.045
Reference Materials																					
STD DS8	Standard	13.5	110.3	118.4	306	1.7	38.2	7.3	621	2.49	25.9	2.8	111.3	7.2	72	2.3	6.3	6.7	44	0.69	0.083



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Part 2

QUALITY CONTROL REPORT

WHI11001103.1

	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																		
1144218	Soil	11	24	0.37	163	0.039	<1	1.13	0.005	0.06	0.2	0.17	1.8	0.1	<0.05	3	1.5	<0.2
REP 1144218	QC	12	24	0.37	168	0.039	<1	1.14	0.005	0.06	0.2	0.17	1.8	0.1	<0.05	3	1.3	<0.2
1157229	Soil	8	12	0.36	257	0.004	2	0.75	0.009	0.06	<0.1	0.12	2.0	<0.1	<0.05	2	1.0	<0.2
REP 1157229	QC	8	12	0.37	263	0.004	2	0.77	0.009	0.06	<0.1	0.10	2.0	<0.1	<0.05	2	1.2	<0.2
1157225	Soil	2	2	0.06	129	0.009	1	0.19	0.034	0.03	<0.1	0.05	0.4	<0.1	0.07	<1	0.8	<0.2
REP 1157225	QC	2	2	0.06	129	0.009	2	0.20	0.033	0.03	<0.1	0.03	0.3	<0.1	0.06	<1	1.1	<0.2
1157211	Soil	8	13	0.24	261	0.006	2	0.69	0.004	0.07	<0.1	0.02	1.3	0.1	<0.05	4	<0.5	<0.2
REP 1157211	QC	8	12	0.25	263	0.006	1	0.69	0.004	0.07	<0.1	0.02	1.4	0.1	<0.05	3	<0.5	<0.2
1144157	Soil	16	31	0.39	843	0.019	3	1.66	0.006	0.10	0.2	0.06	3.3	0.2	<0.05	5	0.5	<0.2
REP 1144157	QC	16	31	0.41	851	0.019	1	1.69	0.006	0.09	0.2	0.06	3.4	0.2	<0.05	5	0.8	<0.2
1157063	Soil	6	17	0.26	572	0.006	3	1.11	0.010	0.10	<0.1	0.04	2.1	0.2	<0.05	4	0.7	<0.2
REP 1157063	QC	6	17	0.26	556	0.006	2	1.09	0.011	0.10	<0.1	0.03	2.2	0.1	<0.05	4	0.8	<0.2
1157057	Soil	2	14	0.39	298	0.002	2	1.38	0.008	0.07	<0.1	0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
REP 1157057	QC	2	14	0.39	308	0.002	2	1.37	0.007	0.07	<0.1	0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
1144485	Soil	10	34	0.15	1104	0.027	<1	1.16	0.005	0.09	0.1	0.08	1.8	0.2	0.13	6	3.0	<0.2
REP 1144485	QC	10	34	0.15	1239	0.029	2	1.18	0.005	0.10	0.2	0.10	1.8	0.2	0.15	6	3.7	<0.2
1144472	Soil	8	22	0.15	205	0.018	3	0.80	0.005	0.09	0.2	0.13	1.6	0.2	<0.05	4	2.1	<0.2
REP 1144472	QC	8	24	0.16	210	0.020	3	0.81	0.006	0.09	0.2	0.12	1.7	0.2	0.06	4	2.8	<0.2
1144401	Soil	10	19	0.11	512	0.012	1	1.17	0.005	0.06	0.2	0.04	1.0	0.1	<0.05	5	0.9	<0.2
REP 1144401	QC	10	20	0.12	512	0.013	1	1.14	0.005	0.06	0.2	0.03	0.9	0.1	<0.05	5	1.2	<0.2
1144418	Soil	6	14	0.24	853	0.003	3	0.85	0.012	0.08	<0.1	0.27	2.6	0.2	<0.05	2	2.5	<0.2
REP 1144418	QC	6	14	0.23	835	0.003	2	0.81	0.012	0.08	<0.1	0.25	2.6	0.2	<0.05	2	2.5	<0.2
1061614	Soil	16	11	0.15	264	0.008	2	0.76	0.010	0.10	<0.1	0.02	0.9	0.2	<0.05	3	<0.5	<0.2
REP 1061614	QC	16	11	0.16	262	0.008	2	0.76	0.010	0.10	<0.1	0.02	0.9	0.2	<0.05	3	0.7	<0.2
1061609	Soil	9	22	0.28	137	0.045	1	1.41	0.008	0.14	0.2	<0.01	1.8	0.2	0.09	6	1.0	<0.2
REP 1061609	QC	10	22	0.30	145	0.046	2	1.49	0.008	0.15	0.2	<0.01	1.9	0.2	0.07	7	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	17	117	0.62	288	0.125	3	0.94	0.091	0.39	3.1	0.18	2.1	5.4	0.14	5	5.2	5.0



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Project:

PDM

Report Date:

August 29, 2011

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Part 1

QUALITY CONTROL REPORT

WHI11001103.1

		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	12.6	102.1	126.3	305	1.9	35.3	7.0	595	2.39	24.9	2.6	118.8	6.7	63	2.3	5.5	6.7	40	0.67	0.078
STD DS8	Standard	14.6	124.8	129.1	321	1.9	41.2	8.5	634	2.58	26.0	2.8	120.7	6.9	67	2.5	6.1	6.5	48	0.73	0.081
STD DS8	Standard	13.5	106.6	118.3	307	1.8	36.0	7.1	580	2.32	24.8	2.5	110.2	6.4	66	2.1	5.1	6.3	40	0.69	0.081
STD DS8	Standard	12.3	107.4	122.6	325	1.7	39.4	7.6	587	2.44	24.8	2.6	114.1	6.1	62	2.2	5.1	6.2	44	0.69	0.083
STD DS8	Standard	12.3	119.5	126.4	319	1.8	38.7	7.7	591	2.44	26.5	2.7	109.3	6.8	63	2.7	5.3	7.4	42	0.65	0.081
STD DS8	Standard	12.6	109.2	121.4	301	1.7	36.7	7.6	578	2.33	23.5	2.7	101.0	6.6	59	2.1	4.6	6.5	42	0.61	0.074
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	0.02	<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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Part 2

QUALITY CONTROL REPORT

WHI11001103.1

		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	14	112	0.59	288	0.102	2	0.86	0.083	0.42	2.9	0.19	1.9	5.4	0.09	5	4.6	5.0
STD DS8	Standard	15	128	0.64	299	0.139	3	0.96	0.088	0.42	3.2	0.21	2.3	5.6	0.16	5	5.5	5.2
STD DS8	Standard	15	109	0.62	281	0.111	4	0.91	0.105	0.43	2.9	0.18	2.4	5.5	0.20	5	5.3	4.6
STD DS8	Standard	13	117	0.58	280	0.113	2	0.87	0.085	0.41	2.9	0.19	2.6	5.4	0.18	4	6.1	4.8
STD DS8	Standard	14	113	0.62	259	0.110	3	0.89	0.078	0.40	2.8	0.20	2.2	5.3	0.16	5	5.4	5.0
STD DS8	Standard	12	117	0.57	246	0.107	2	0.82	0.074	0.37	2.6	0.17	1.9	5.1	0.13	4	4.7	4.9
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: August 05, 2011
Report Date: August 30, 2011
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CERTIFICATE OF ANALYSIS

WHI11001104.1

CLIENT JOB INFORMATION

Project: PDM
Shipment ID:
P.O. Number
Number of Samples: 210

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	210	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	210	Dry at 60C			VAN
1DX2	210	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

WHI11001104.1

	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
1157025	Soil	2.8	21.3	9.8	72	0.5	12.6	3.2	140	1.97	12.0	0.4	1.1	1.1	9	0.3	1.3	0.3	59	0.02	0.086
1157023	Soil	2.3	21.3	6.5	62	0.2	10.3	2.9	103	1.51	9.4	0.4	1.5	0.7	7	0.2	1.0	0.2	42	0.02	0.066
1157026	Soil	3.8	24.4	11.1	89	0.3	16.5	4.0	158	2.44	14.8	0.6	2.6	1.4	13	0.3	1.6	0.3	61	0.04	0.139
1157028	Soil	8.6	29.7	8.9	117	0.5	29.6	7.9	224	2.19	14.4	0.8	2.6	1.9	20	0.7	1.2	0.3	29	0.16	0.083
1157030	Soil	3.3	28.3	7.5	82	0.5	19.0	7.6	400	1.69	8.6	0.8	1.0	0.4	17	0.7	1.0	0.2	28	0.13	0.077
1157024	Soil	2.9	26.3	9.4	100	0.5	16.9	5.2	190	2.24	13.0	0.5	2.2	1.8	9	0.3	1.4	0.3	57	0.02	0.065
1157029	Soil	17.7	27.3	9.0	89	0.2	26.8	9.5	189	1.97	12.2	1.0	1.3	2.2	15	0.5	1.3	0.2	21	0.14	0.067
1157022	Soil	2.3	18.0	8.7	77	0.4	14.3	4.5	189	2.00	10.1	0.5	2.3	1.7	10	0.4	1.1	0.2	48	0.04	0.054
1157027	Soil	5.3	31.8	11.1	115	0.4	24.9	8.3	346	2.84	22.4	0.9	3.4	2.0	19	0.3	1.6	0.4	48	0.07	0.171
1157001	Soil	2.6	23.8	10.4	94	0.6	26.6	8.3	296	1.78	6.8	0.7	2.8	1.9	24	1.1	0.7	0.2	14	0.52	0.152
1157009	Soil	2.9	32.9	11.0	118	0.6	31.6	8.1	246	2.42	13.9	0.8	4.6	3.1	17	0.6	1.4	0.3	45	0.17	0.125
1062158	Soil	3.6	37.9	11.9	93	0.1	22.2	6.9	284	2.52	14.0	0.6	1.9	1.9	15	0.2	1.5	0.3	47	0.08	0.077
1157002	Soil	1.4	16.9	7.4	72	0.7	13.4	3.9	218	1.29	5.0	0.9	1.3	0.5	30	2.7	0.7	0.2	24	0.83	0.086
1157004	Soil	3.2	48.7	9.5	131	0.8	23.9	5.7	90	2.40	10.1	0.4	<0.5	0.3	23	0.3	1.2	0.3	41	0.02	0.070
1157006	Soil	3.1	172.1	8.0	317	0.1	58.8	9.9	112	4.02	<0.5	0.4	1.4	0.6	10	0.5	0.8	0.4	41	0.01	0.053
1062157	Soil	3.6	37.5	12.0	94	0.2	25.6	10.0	367	2.29	14.7	0.8	4.1	3.3	11	0.3	1.5	0.4	46	0.03	0.042
1157008	Soil	3.0	19.0	8.5	71	0.3	16.2	3.3	59	1.30	7.8	0.4	0.6	0.8	8	0.2	0.9	0.2	33	0.06	0.093
1062156	Soil	0.7	24.5	3.8	36	0.5	8.4	1.8	38	0.95	3.6	0.3	2.0	0.1	12	0.1	0.5	<0.1	23	0.02	0.022
1157003	Soil	5.0	27.5	10.2	82	2.4	12.3	4.2	238	1.79	7.0	0.4	6.1	0.6	16	0.7	1.7	0.2	30	0.05	0.032
1157005	Soil	2.4	99.3	8.0	182	0.2	42.8	7.3	77	3.04	8.9	0.3	6.5	1.1	6	0.4	1.3	0.3	57	0.01	0.042
1157007	Soil	7.5	96.9	12.3	297	3.3	60.9	9.4	362	2.41	8.3	0.7	10.1	1.7	13	3.1	3.7	0.2	14	0.09	0.055
1157012	Soil	2.2	13.6	4.9	37	0.3	10.0	4.8	232	0.97	2.5	0.6	1.9	0.3	13	0.3	0.4	0.1	16	0.19	0.067
1157014	Soil	3.4	16.0	8.8	57	0.3	12.9	6.6	313	1.79	6.3	0.7	1.8	2.0	21	0.2	0.6	0.2	36	0.25	0.112
1157011	Soil	2.7	23.7	14.2	84	0.3	22.0	8.3	286	2.17	9.1	0.7	1.6	3.6	35	0.9	0.7	0.2	14	0.69	0.192
1157010	Soil	3.7	42.2	10.8	154	1.1	43.3	8.9	249	2.51	11.8	1.0	6.3	2.7	38	0.9	1.5	0.2	32	0.72	0.261
1157015	Soil	2.6	12.5	6.4	45	0.2	9.3	10.2	871	1.19	4.6	0.5	1.6	0.3	13	0.3	0.6	0.2	33	0.13	0.066
1157013	Soil	2.3	14.3	6.5	32	0.3	7.7	3.2	187	1.04	4.9	0.6	3.5	1.1	18	0.2	0.4	0.2	22	0.33	0.089
1157018	Soil	3.7	38.9	9.0	104	0.2	24.2	6.9	209	2.28	12.6	1.2	4.1	2.5	15	0.4	1.4	0.2	42	0.07	0.063
1157016	Soil	2.9	37.7	8.8	99	0.3	20.1	7.5	502	1.76	9.3	1.2	4.5	0.4	17	0.9	1.3	0.3	35	0.11	0.071
1157017	Soil	3.2	38.2	9.4	107	0.3	21.6	7.1	461	1.80	10.3	1.2	4.1	0.4	18	0.9	1.3	0.3	37	0.13	0.081



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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
1157025	Soil	8	10	0.07	116	0.016	2	0.64	0.004	0.06	0.1	0.02	1.1	0.2	<0.05	5	0.9	<0.2
1157023	Soil	10	9	0.07	162	0.009	2	0.63	0.003	0.06	0.1	0.02	1.0	0.1	<0.05	4	<0.5	<0.2
1157026	Soil	7	12	0.09	152	0.009	2	0.72	0.003	0.07	0.2	0.04	1.5	0.2	<0.05	5	1.4	<0.2
1157028	Soil	5	13	0.22	629	0.004	2	0.91	0.008	0.07	<0.1	0.12	2.2	0.4	<0.05	3	1.0	<0.2
1157030	Soil	7	10	0.15	372	0.007	3	0.76	0.012	0.06	<0.1	0.06	1.2	0.2	<0.05	2	0.7	<0.2
1157024	Soil	9	17	0.16	212	0.008	2	1.26	0.003	0.07	0.2	0.03	1.8	0.2	<0.05	4	0.9	<0.2
1157029	Soil	4	11	0.19	474	0.003	1	0.66	0.005	0.07	<0.1	0.05	2.2	0.4	<0.05	2	1.6	<0.2
1157022	Soil	9	16	0.16	203	0.010	3	1.18	0.003	0.07	0.2	0.05	1.6	0.1	<0.05	4	0.6	<0.2
1157027	Soil	6	17	0.17	404	0.004	2	1.11	0.004	0.11	0.1	0.08	1.9	0.3	<0.05	4	1.4	<0.2
1157001	Soil	10	9	0.13	331	0.003	2	0.73	0.014	0.08	<0.1	0.10	3.2	0.3	<0.05	2	0.6	<0.2
1157009	Soil	9	20	0.17	284	0.004	3	1.42	0.004	0.08	0.2	0.07	2.4	0.2	<0.05	3	2.5	<0.2
1062158	Soil	8	18	0.16	326	0.007	3	0.95	0.003	0.08	0.2	0.04	1.9	0.1	<0.05	4	1.0	<0.2
1157002	Soil	6	13	0.07	443	0.004	2	0.68	0.011	0.07	<0.1	0.11	1.1	0.1	<0.05	2	1.4	<0.2
1157004	Soil	8	10	0.05	158	0.006	1	0.72	0.007	0.07	<0.1	0.02	1.6	0.2	<0.05	4	2.2	<0.2
1157006	Soil	4	11	0.05	231	0.005	2	0.73	0.003	0.12	<0.1	0.02	5.2	0.1	<0.05	4	32.1	<0.2
1062157	Soil	9	19	0.23	258	0.007	2	1.56	0.004	0.07	0.3	0.09	2.3	0.2	<0.05	3	0.9	<0.2
1157008	Soil	6	11	0.05	73	0.004	1	0.66	0.003	0.05	0.2	0.02	1.0	0.2	<0.05	4	1.4	<0.2
1062156	Soil	2	7	0.02	515	0.012	2	0.33	0.014	0.04	<0.1	0.02	0.5	<0.1	<0.05	2	<0.5	<0.2
1157003	Soil	5	11	0.10	296	0.007	3	0.68	0.026	0.12	<0.1	0.07	1.5	0.3	0.17	3	5.2	<0.2
1157005	Soil	8	12	0.03	87	0.014	1	0.52	0.004	0.03	0.1	<0.01	2.7	<0.1	<0.05	4	0.9	<0.2
1157007	Soil	10	8	0.08	399	0.001	1	0.64	0.006	0.07	<0.1	0.26	3.2	0.3	<0.05	2	10.4	<0.2
1157012	Soil	4	5	0.03	192	0.005	<1	0.40	0.017	0.04	<0.1	0.07	1.1	0.2	<0.05	1	<0.5	<0.2
1157014	Soil	8	13	0.17	345	0.005	2	0.77	0.007	0.08	0.1	0.13	1.7	0.2	<0.05	3	<0.5	<0.2
1157011	Soil	7	7	0.04	367	0.002	1	0.49	0.005	0.06	<0.1	0.08	3.3	0.1	<0.05	1	1.1	<0.2
1157010	Soil	8	18	0.11	376	0.005	2	0.77	0.005	0.10	<0.1	0.18	3.0	0.1	<0.05	2	2.9	<0.2
1157015	Soil	5	11	0.13	347	0.005	1	0.70	0.011	0.06	0.1	0.04	0.8	0.1	<0.05	3	<0.5	<0.2
1157013	Soil	5	8	0.09	340	0.003	1	0.59	0.011	0.05	<0.1	0.14	1.5	<0.1	<0.05	2	<0.5	<0.2
1157018	Soil	9	17	0.26	553	0.009	3	1.13	0.004	0.08	0.1	0.08	2.4	0.2	<0.05	3	<0.5	<0.2
1157016	Soil	8	13	0.17	463	0.007	2	0.81	0.008	0.08	<0.1	0.13	1.2	0.2	<0.05	3	<0.5	<0.2
1157017	Soil	9	14	0.19	432	0.008	2	0.80	0.005	0.09	0.1	0.09	1.3	0.2	<0.05	3	<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 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
1157021	Soil	3.2	28.2	8.9	125	0.7	19.5	3.8	127	2.45	12.9	0.6	2.2	1.9	12	0.5	1.5	0.2	72	0.04	0.131
1157019	Soil	3.6	39.8	9.1	104	0.2	26.2	7.3	218	2.34	12.4	1.3	3.9	2.7	16	0.5	1.5	0.2	43	0.09	0.062
1157020	Soil	5.4	35.9	10.0	141	0.8	23.1	4.9	152	2.83	15.4	0.7	4.0	1.8	15	0.6	1.8	0.3	72	0.02	0.075
1157033	Soil	2.1	112.9	17.0	222	0.8	56.4	18.7	553	3.94	9.5	0.9	7.7	1.2	13	0.2	1.8	0.3	24	0.02	0.052
1157031	Soil	2.4	47.2	14.5	107	0.2	24.7	10.3	1342	3.68	10.2	0.7	1.5	0.9	12	0.5	1.0	0.3	39	0.06	0.050
1157039	Soil	2.2	34.2	11.8	115	0.5	19.5	8.4	1299	2.41	8.6	0.6	0.9	0.7	12	0.6	1.2	0.3	49	0.03	0.052
1157037	Soil	2.3	30.4	13.0	114	0.6	22.6	6.3	309	2.60	10.5	0.7	1.8	1.2	15	0.5	1.1	0.3	54	0.09	0.061
1157038	Soil	2.1	62.9	10.5	204	0.3	50.0	17.8	594	3.10	8.7	0.8	3.2	2.0	16	1.0	1.3	0.3	45	0.06	0.036
1157032	Soil	4.3	65.7	16.0	129	0.6	28.0	12.4	829	3.71	10.1	1.2	5.1	0.3	24	0.6	1.8	0.3	59	0.06	0.129
1157034	Soil	2.0	71.1	19.1	139	0.2	45.6	28.9	1499	3.69	7.3	0.8	3.0	2.1	11	0.4	1.1	0.4	49	0.07	0.058
1157041	Soil	3.9	73.9	13.3	180	1.6	26.5	4.6	129	2.53	11.7	0.8	14.8	1.8	38	0.4	2.7	0.2	56	0.06	0.046
1157042	Soil	2.3	50.6	8.4	116	0.2	26.6	9.2	657	2.57	7.4	0.6	1.7	0.9	12	0.2	0.9	0.2	55	0.05	0.043
1157035	Soil	3.0	90.6	13.2	179	0.2	44.9	13.0	399	4.37	10.2	1.0	6.5	2.1	18	0.3	1.3	0.3	50	0.09	0.048
1157036	Soil	2.9	125.3	14.6	258	0.5	84.6	24.2	1306	3.87	8.0	1.5	11.6	2.5	17	0.5	1.6	0.3	40	0.06	0.036
1157040	Soil	2.0	24.2	8.2	72	0.8	14.1	3.5	167	1.64	6.7	0.6	2.9	0.1	13	0.2	0.8	0.2	55	0.04	0.053
1144055	Soil	4.6	67.4	13.4	174	0.8	31.9	10.5	257	3.56	10.7	0.9	3.2	2.9	22	0.4	1.6	0.3	77	0.06	0.040
1144060	Soil	2.0	50.1	7.3	114	0.1	21.7	5.9	200	2.15	5.3	0.4	1.5	1.3	12	0.7	1.3	0.3	41	0.06	0.027
1144061	Soil	2.5	54.2	8.7	178	0.4	32.5	8.2	432	2.75	7.3	0.5	2.6	0.9	16	1.2	1.7	0.3	45	0.08	0.034
1144057	Soil	3.3	80.7	12.4	228	0.4	47.0	12.3	610	3.39	9.3	0.7	3.1	1.6	19	0.5	2.1	0.3	49	0.05	0.067
1144059	Soil	4.1	58.1	11.2	171	0.3	36.9	10.2	389	3.15	10.2	0.8	2.5	2.8	20	0.4	1.8	0.2	57	0.07	0.044
1144058	Soil	4.2	53.9	12.9	159	0.4	31.9	9.0	378	3.52	9.1	0.7	6.5	1.7	22	0.7	2.0	0.2	48	0.04	0.050
1144062	Soil	3.9	48.5	15.4	190	0.7	28.0	9.9	1022	3.09	8.2	0.7	3.1	0.4	15	1.3	2.1	0.3	58	0.03	0.091
1144056	Soil	3.0	51.2	11.2	124	0.4	23.2	8.3	237	2.74	7.7	0.7	3.6	1.5	20	0.3	1.3	0.2	53	0.06	0.052
1157046	Soil	2.9	99.8	19.8	193	0.3	58.0	28.5	1740	3.92	8.4	1.1	6.3	1.5	15	0.5	1.3	0.3	54	0.08	0.072
1157047	Soil	10.5	131.3	14.5	203	2.5	36.1	6.4	186	3.97	19.1	2.6	7.2	1.1	59	0.3	3.3	0.3	80	0.05	0.102
1157050	Soil	1.6	44.3	9.3	152	0.1	19.7	14.3	617	2.90	4.6	0.5	1.7	1.4	13	0.9	0.8	0.2	45	0.06	0.037
1144051	Soil	4.8	85.1	14.8	214	1.1	43.8	10.0	260	3.78	10.6	1.1	5.1	1.9	24	0.2	1.6	0.3	60	0.05	0.047
1157043	Soil	5.2	178.1	19.3	257	0.3	117.2	26.5	1353	4.77	12.7	1.6	8.9	3.5	16	0.5	1.7	0.3	65	0.05	0.051
1144052	Soil	3.0	53.6	11.5	158	0.6	26.4	7.5	193	3.00	7.9	0.7	2.9	2.2	16	0.3	1.3	0.3	56	0.04	0.041
1157049	Soil	4.4	79.4	18.3	306	1.0	47.7	11.3	278	3.86	13.9	1.1	4.3	2.9	16	0.6	2.0	0.3	55	0.05	0.038



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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
1157021	Soil	8	17	0.15	225	0.007	2	1.06	0.003	0.09	0.1	0.04	1.7	0.2	<0.05	5	0.6	<0.2
1157019	Soil	10	17	0.26	673	0.010	2	1.10	0.004	0.09	0.1	0.11	2.6	0.2	<0.05	3	<0.5	<0.2
1157020	Soil	8	17	0.12	317	0.005	1	0.99	0.003	0.09	0.1	0.04	1.9	0.3	<0.05	4	0.9	<0.2
1157033	Soil	6	13	0.08	288	0.004	4	0.72	0.003	0.15	<0.1	0.20	3.0	0.2	<0.05	3	1.1	<0.2
1157031	Soil	10	20	0.25	172	0.023	2	1.21	0.006	0.09	0.1	0.05	2.3	<0.1	<0.05	5	<0.5	<0.2
1157039	Soil	11	16	0.09	230	0.022	2	0.85	0.005	0.09	0.1	0.04	1.3	0.1	<0.05	5	0.6	<0.2
1157037	Soil	11	20	0.18	185	0.036	1	0.88	0.006	0.12	0.1	0.04	1.7	0.1	<0.05	5	1.0	<0.2
1157038	Soil	9	20	0.19	170	0.027	2	1.03	0.004	0.11	0.1	0.05	2.8	0.1	<0.05	4	0.9	<0.2
1157032	Soil	7	22	0.12	384	0.006	2	1.01	0.008	0.15	<0.1	0.11	0.8	0.1	0.12	5	1.1	<0.2
1157034	Soil	11	28	0.24	218	0.016	4	1.40	0.006	0.14	<0.1	0.09	3.9	0.2	<0.05	6	0.9	<0.2
1157041	Soil	5	19	0.10	206	0.014	3	0.81	0.004	0.11	<0.1	0.15	2.1	0.2	0.06	3	3.2	<0.2
1157042	Soil	10	20	0.12	123	0.023	2	0.94	0.008	0.09	0.1	0.06	1.8	0.1	<0.05	5	0.8	<0.2
1157035	Soil	10	27	0.26	282	0.027	2	1.25	0.004	0.15	0.1	0.07	3.7	0.2	0.07	5	1.4	<0.2
1157036	Soil	8	20	0.18	304	0.016	2	0.94	0.004	0.12	<0.1	0.11	4.8	0.1	<0.05	3	1.8	<0.2
1157040	Soil	7	15	0.11	117	0.015	2	0.71	0.011	0.07	<0.1	0.05	0.5	0.2	<0.05	4	1.3	<0.2
1144055	Soil	10	29	0.23	287	0.014	3	1.36	0.006	0.17	<0.1	0.05	3.0	0.2	<0.05	6	1.7	<0.2
1144060	Soil	8	11	0.06	153	0.013	1	0.58	0.008	0.11	<0.1	0.02	1.6	<0.1	<0.05	4	0.7	<0.2
1144061	Soil	8	14	0.08	320	0.007	2	0.62	0.006	0.12	<0.1	0.02	2.1	<0.1	<0.05	3	1.4	<0.2
1144057	Soil	9	20	0.18	220	0.010	3	0.81	0.004	0.14	<0.1	0.03	3.0	0.1	<0.05	4	1.8	<0.2
1144059	Soil	9	22	0.23	287	0.013	3	1.00	0.004	0.16	<0.1	0.04	2.9	0.1	<0.05	4	1.3	<0.2
1144058	Soil	7	15	0.13	358	0.006	<1	0.80	0.004	0.12	<0.1	0.04	2.4	0.1	0.07	4	2.5	<0.2
1144062	Soil	8	17	0.09	198	0.014	<1	0.77	0.005	0.12	0.1	0.04	2.3	0.1	0.07	4	2.1	<0.2
1144056	Soil	7	19	0.17	223	0.011	<1	1.01	0.010	0.12	<0.1	0.05	2.1	0.1	<0.05	4	1.0	<0.2
1157046	Soil	9	28	0.25	509	0.012	3	1.37	0.004	0.18	<0.1	0.08	3.4	0.2	<0.05	6	1.2	<0.2
1157047	Soil	11	30	0.13	211	0.007	2	0.91	0.007	0.35	<0.1	0.42	2.5	0.7	0.45	5	15.9	<0.2
1157050	Soil	10	18	0.11	267	0.018	2	0.85	0.008	0.13	<0.1	0.04	2.0	0.1	<0.05	5	0.9	<0.2
1144051	Soil	10	27	0.21	274	0.016	2	1.15	0.005	0.17	<0.1	0.09	2.9	0.2	0.08	5	2.6	<0.2
1157043	Soil	11	33	0.32	199	0.023	3	1.58	0.003	0.15	0.1	0.17	4.6	0.2	<0.05	6	1.5	<0.2
1144052	Soil	11	21	0.15	254	0.022	2	0.90	0.004	0.15	<0.1	0.04	2.3	0.2	0.06	6	0.9	<0.2
1157049	Soil	9	24	0.15	284	0.010	2	1.03	0.003	0.15	<0.1	0.08	3.1	0.2	0.07	5	3.9	<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
		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
1157048	Soil	2.7	63.2	17.7	225	0.7	48.1	16.0	1326	3.19	7.3	0.8	3.5	1.9	14	0.4	1.2	0.2	48	0.07
1157045	Soil	2.3	52.4	14.2	166	0.5	42.4	15.1	499	2.99	9.7	0.9	5.9	4.2	12	0.5	1.3	0.2	54	0.07
1157044	Soil	4.2	88.1	16.2	284	1.4	64.1	19.7	785	3.99	10.6	1.4	7.1	2.7	17	0.4	1.8	0.3	50	0.06
1144053	Soil	5.1	89.5	14.5	209	0.5	39.8	9.5	213	4.39	12.4	1.0	4.0	3.6	24	0.2	1.9	0.3	69	0.07
1144054	Soil	4.7	82.6	13.9	199	0.6	37.9	9.2	215	4.29	11.9	1.0	2.9	3.5	22	0.2	1.6	0.3	72	0.05
1144320	Soil	17.2	65.3	15.5	216	1.8	67.5	17.9	651	3.15	18.5	2.6	4.4	6.1	30	2.9	2.2	0.2	39	0.48
1144319	Soil	17.2	65.6	15.7	205	1.7	68.1	17.9	678	3.21	18.4	2.6	5.0	6.1	28	2.8	2.1	0.2	35	0.47
1144316	Soil	2.8	32.1	15.2	115	1.1	28.5	8.9	296	2.92	14.9	0.8	10.7	4.2	12	0.2	1.7	0.3	69	0.07
1144314	Soil	1.9	39.4	11.2	48	1.5	13.5	3.3	75	2.19	10.0	0.5	13.6	2.1	30	0.1	1.4	0.2	53	0.04
1144317	Soil	3.5	132.9	14.2	203	0.2	71.7	14.2	306	3.98	16.3	0.5	3.6	1.5	31	0.1	1.9	0.3	56	0.02
1144318	Soil	1.2	33.6	6.4	26	0.1	9.2	9.6	2265	0.99	2.9	0.3	0.7	<0.1	10	<0.1	0.2	<0.1	18	0.04
1144315	Soil	1.9	22.7	10.8	37	0.1	6.7	1.8	54	1.67	8.5	0.3	7.2	0.9	19	<0.1	0.9	0.3	39	0.02
1144313	Soil	1.7	92.0	15.0	130	1.2	28.3	5.7	130	3.35	11.6	0.6	4.7	1.5	14	<0.1	2.1	0.2	40	0.02
1144330	Soil	3.1	29.2	8.9	79	0.9	14.6	5.1	160	1.55	6.3	0.7	2.0	1.5	22	0.7	0.9	0.2	20	0.28
1144322	Soil	29.7	95.4	15.6	387	4.8	111.2	11.3	351	2.83	15.1	2.5	8.3	4.9	57	6.1	7.0	0.2	50	1.51
1144329	Soil	5.2	28.0	9.3	65	1.1	10.4	3.4	94	1.41	7.8	0.5	2.7	0.8	24	0.3	2.0	0.2	25	0.04
1144325	Soil	1.9	19.1	10.9	102	0.9	30.4	8.8	385	2.09	9.5	1.6	1.7	3.0	42	0.9	1.3	0.2	24	0.84
1144333	Soil	1.1	28.5	10.8	56	1.5	24.9	8.1	1355	1.64	14.9	2.3	1.1	0.8	72	3.1	0.6	0.2	21	1.52
1144324	Soil	3.0	16.0	14.6	131	<0.1	30.0	7.2	218	2.49	11.3	0.7	<0.5	1.6	14	0.4	1.7	0.2	21	0.24
1144321	Soil	10.7	35.3	16.1	151	0.3	43.1	12.4	321	2.75	17.2	1.2	<0.5	6.4	20	1.0	1.4	0.2	18	0.45
1144327	Soil	3.7	40.1	14.9	161	0.6	34.1	15.0	365	2.88	8.5	0.9	3.2	3.9	26	0.6	1.2	0.3	24	0.29
1144323	Soil	3.5	28.0	19.1	200	1.4	65.4	13.6	336	2.91	17.8	1.0	2.6	6.9	48	2.7	2.4	0.2	23	1.05
1144326	Soil	5.3	40.9	18.7	218	0.8	41.5	17.8	864	2.77	11.6	1.1	3.4	2.6	38	2.6	2.2	0.3	25	0.28
1144328	Soil	2.2	56.8	25.1	261	0.4	57.4	25.6	730	3.65	7.1	0.6	0.9	3.8	30	1.5	0.8	0.3	21	0.17
1144331	Soil	3.1	33.0	10.8	108	1.3	35.0	8.4	406	2.13	21.6	1.0	3.7	2.1	36	1.1	1.2	0.2	19	0.68
1144332	Soil	3.4	40.1	10.9	160	3.0	54.1	10.7	276	2.48	33.6	0.9	8.2	3.1	33	1.4	2.3	0.2	19	0.58
1144312	Soil	2.1	106.3	16.5	189	0.2	55.7	11.7	249	4.17	11.7	0.8	5.4	1.9	21	0.2	2.2	0.3	50	0.03
1144311	Soil	2.5	103.1	13.3	186	0.3	66.2	16.5	1085	4.10	13.1	0.6	5.8	1.6	18	0.2	2.0	0.3	46	0.02
1144310	Soil	1.5	40.8	10.1	52	0.2	14.7	11.1	5566	1.70	5.9	0.8	<0.5	<0.1	14	0.6	1.0	0.2	31	0.05
1144308	Soil	2.6	33.7	13.4	104	0.3	23.6	17.4	1461	3.18	10.6	0.7	2.6	2.3	11	0.4	1.7	0.3	51	0.05



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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
1157048	Soil	8	21	0.14	186	0.019	2	1.00	0.009	0.12	<0.1	0.07	2.7	0.2	<0.05	4	1.5	<0.2
1157045	Soil	12	27	0.31	330	0.032	2	1.38	0.004	0.08	0.2	0.06	3.5	0.2	<0.05	4	1.1	<0.2
1157044	Soil	10	24	0.19	197	0.015	2	1.08	0.004	0.11	<0.1	0.21	4.2	0.2	0.08	4	4.0	<0.2
1144053	Soil	9	31	0.25	261	0.011	2	1.51	0.004	0.17	<0.1	0.07	3.6	0.2	0.10	6	2.8	<0.2
1144054	Soil	10	32	0.24	242	0.012	3	1.53	0.004	0.17	<0.1	0.05	3.4	0.2	0.08	6	2.2	<0.2
1144320	Soil	7	11	0.06	447	0.001	3	0.60	0.004	0.14	<0.1	0.46	5.6	0.7	<0.05	1	3.0	<0.2
1144319	Soil	8	11	0.06	457	0.001	2	0.55	0.005	0.12	<0.1	0.47	5.6	0.7	<0.05	1	2.9	<0.2
1144316	Soil	11	32	0.39	234	0.034	2	1.82	0.005	0.10	0.2	0.09	3.1	0.2	<0.05	5	1.8	<0.2
1144314	Soil	5	24	0.14	268	0.014	1	0.92	0.004	0.05	0.1	0.77	2.6	0.2	<0.05	3	2.6	<0.2
1144317	Soil	5	22	0.09	987	0.011	3	0.87	0.003	0.08	<0.1	0.03	4.2	0.2	0.05	4	2.0	<0.2
1144318	Soil	2	6	0.04	295	0.011	<1	0.55	0.025	0.03	<0.1	0.02	0.6	<0.1	<0.05	2	<0.5	<0.2
1144315	Soil	4	13	0.07	199	0.014	1	0.46	0.003	0.08	<0.1	0.05	1.1	0.3	0.06	3	1.3	<0.2
1144313	Soil	4	17	0.09	299	0.008	<1	0.73	0.002	0.04	0.2	0.42	2.7	0.1	<0.05	2	2.6	<0.2
1144330	Soil	3	11	0.15	349	0.002	<1	0.82	0.014	0.05	<0.1	0.13	2.1	0.2	<0.05	2	1.7	<0.2
1144322	Soil	10	19	0.19	320	0.003	3	0.46	0.005	0.13	<0.1	0.71	5.6	0.6	0.07	1	15.9	<0.2
1144329	Soil	2	8	0.07	201	0.002	1	0.47	0.017	0.04	<0.1	0.20	1.4	0.3	<0.05	2	6.0	<0.2
1144325	Soil	8	17	0.17	570	0.003	<1	0.79	0.005	0.06	<0.1	0.15	2.8	0.1	<0.05	2	3.5	<0.2
1144333	Soil	13	14	0.10	1056	0.005	1	0.84	0.011	0.05	0.1	0.67	2.1	0.1	<0.05	2	3.0	<0.2
1144324	Soil	3	13	0.06	68	0.003	1	0.59	0.003	0.06	<0.1	0.02	1.3	0.3	<0.05	2	5.1	<0.2
1144321	Soil	12	10	0.29	294	0.002	<1	0.69	0.004	0.07	<0.1	0.11	5.0	0.5	<0.05	2	1.1	<0.2
1144327	Soil	5	17	0.37	635	0.001	2	1.15	0.007	0.08	<0.1	0.14	4.3	0.2	<0.05	2	2.2	<0.2
1144323	Soil	7	21	0.08	473	0.003	<1	0.67	0.004	0.09	<0.1	0.61	7.3	0.3	<0.05	1	6.3	<0.2
1144326	Soil	5	12	0.23	897	0.002	1	0.88	0.023	0.08	<0.1	0.18	4.4	0.4	0.13	2	2.5	<0.2
1144328	Soil	3	18	0.47	341	0.001	3	1.36	0.008	0.08	<0.1	0.07	4.1	0.1	<0.05	3	1.3	<0.2
1144331	Soil	5	14	0.10	555	0.002	1	0.58	0.006	0.05	<0.1	0.39	3.5	0.1	<0.05	1	4.8	<0.2
1144332	Soil	6	16	0.09	486	0.002	1	0.57	0.003	0.08	<0.1	1.50	4.2	0.2	<0.05	1	5.2	<0.2
1144312	Soil	5	23	0.14	818	0.011	<1	1.02	0.003	0.06	0.2	0.12	3.2	0.1	<0.05	3	1.7	<0.2
1144311	Soil	4	23	0.11	674	0.008	1	1.22	0.003	0.06	0.2	0.11	3.8	0.1	<0.05	4	2.1	<0.2
1144310	Soil	7	16	0.04	884	0.005	<1	0.89	0.009	0.05	<0.1	0.07	0.5	0.2	<0.05	3	<0.5	<0.2
1144308	Soil	9	22	0.25	358	0.011	2	1.19	0.004	0.07	0.2	0.08	1.8	0.1	<0.05	4	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 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
1144305	Soil	1.8	118.4	14.2	145	0.6	54.9	13.2	739	2.15	8.5	1.2	11.8	1.0	64	0.2	1.4	0.3	27	0.67	0.064
1144309	Soil	2.7	40.8	12.4	119	0.1	33.2	10.4	641	2.76	12.0	0.8	3.8	2.8	15	0.3	1.7	0.3	49	0.05	0.043
1144307	Soil	2.6	29.6	12.0	67	<0.1	15.7	6.8	616	2.30	11.2	0.5	1.1	0.1	9	<0.1	1.3	0.3	55	0.03	0.088
1144306	Soil	0.7	36.6	5.3	46	0.3	16.0	4.9	331	1.10	2.8	0.4	2.2	<0.1	26	0.1	0.5	0.1	22	0.26	0.034
1144302	Soil	1.0	51.9	20.2	59	0.2	30.0	10.1	886	1.63	4.6	1.5	4.4	1.0	73	0.1	0.6	0.2	18	1.40	0.107
1144304	Soil	2.7	107.0	12.9	160	0.2	53.9	14.3	625	2.93	14.8	0.5	1.4	0.2	26	0.2	1.8	0.3	42	0.03	0.065
1144303	Soil	4.3	524.2	33.2	250	0.7	63.6	29.0	1883	3.16	11.9	0.9	29.3	0.7	31	0.3	1.9	0.5	39	0.26	0.068
1144301	Soil	1.7	54.2	12.6	104	0.2	43.6	14.8	2644	3.08	7.4	0.8	11.9	2.0	23	0.1	1.5	0.2	44	0.04	0.039
1144443	Soil	3.5	271.3	11.1	553	4.2	206.6	97.2	9246	11.38	17.7	2.6	35.4	2.5	19	1.9	7.3	0.1	114	0.01	0.073
1144438	Soil	3.8	121.2	12.8	245	2.7	60.7	11.9	364	4.56	14.3	2.6	13.9	4.5	43	0.5	2.6	0.2	52	0.06	0.065
1144439	Soil	2.0	94.3	23.0	242	1.0	75.9	15.4	271	4.62	11.8	0.7	9.4	2.2	16	0.3	2.2	0.4	47	0.04	0.039
1144437	Soil	3.2	170.2	21.1	416	1.2	92.6	26.9	876	5.65	8.8	1.6	25.6	1.4	14	0.4	1.9	0.3	42	0.03	0.073
1144447	Soil	3.1	77.0	12.9	138	0.1	47.8	12.9	362	3.08	8.4	0.5	3.6	3.5	19	0.1	1.6	0.4	70	0.02	0.038
1144445	Soil	3.3	96.2	17.9	270	1.0	50.0	11.3	350	3.97	10.7	1.1	5.2	1.8	14	0.5	2.0	0.4	54	0.03	0.054
1144436	Soil	4.1	143.5	16.2	191	1.6	36.1	5.5	134	4.29	14.3	1.3	6.4	1.1	12	<0.1	2.4	0.3	64	0.03	0.061
1144442	Soil	1.0	7.8	2.4	20	0.5	3.3	1.1	28	0.51	1.9	0.3	1.1	<0.1	6	<0.1	0.4	<0.1	23	0.02	0.019
1144441	Soil	2.3	64.5	16.3	204	0.4	50.7	14.6	635	3.45	10.4	1.0	3.2	0.7	20	0.4	1.9	0.3	45	0.08	0.066
1144444	Soil	2.4	63.2	12.0	144	0.8	38.6	10.4	333	2.77	10.8	1.2	7.2	2.5	22	0.6	1.7	0.2	47	0.07	0.037
1144446	Soil	2.1	81.3	19.9	147	0.3	37.9	13.2	873	6.37	11.0	0.7	3.9	2.4	10	0.2	1.4	0.6	77	0.03	0.092
1144448	Soil	1.7	97.8	12.9	205	0.3	72.6	21.2	791	3.68	7.6	0.8	4.0	5.3	27	0.8	1.2	0.3	44	0.04	0.042
1157359	Soil	2.3	87.5	14.6	269	1.3	64.0	17.3	2113	4.88	10.7	0.9	4.5	1.8	17	1.6	1.8	0.4	62	0.04	0.059
1157360	Soil	3.1	126.0	15.0	301	1.4	91.9	26.1	1018	3.69	8.1	1.3	11.3	2.6	30	2.0	2.1	0.3	48	0.05	0.057
1157358	Soil	8.6	137.3	16.1	97	4.2	31.2	4.8	145	1.93	10.9	6.9	11.7	0.2	34	0.8	4.3	0.3	180	0.04	0.072
1157357	Soil	6.0	205.8	19.3	415	1.0	90.3	14.5	555	6.03	15.9	2.8	9.7	0.8	90	1.9	2.6	0.4	177	0.03	0.168
1157355	Soil	4.3	77.2	12.1	127	1.3	30.1	6.9	205	3.45	14.0	1.6	14.8	2.8	24	0.3	2.5	0.2	56	0.09	0.079
1157356	Soil	2.7	222.1	29.2	558	1.1	179.3	57.4	3530	9.71	12.5	1.6	23.2	2.6	18	8.0	2.4	0.4	56	0.03	0.072
1157353	Soil	2.5	85.5	16.4	271	0.8	71.9	16.1	309	4.41	16.9	0.8	9.9	2.8	14	0.4	2.2	0.3	49	0.04	0.042
1157354	Soil	2.3	91.3	13.0	296	0.2	77.1	17.6	565	3.71	12.2	0.8	3.6	2.3	12	0.4	2.1	0.5	60	0.03	0.037
1157352	Soil	1.9	41.5	10.0	119	0.3	29.6	8.2	262	2.49	9.4	0.7	4.1	0.8	13	0.3	1.2	0.2	47	0.06	0.041
1157351	Soil	1.5	186.8	21.5	306	0.1	68.5	26.2	268	5.07	8.0	1.9	11.9	2.2	20	0.4	2.0	0.4	51	0.09	0.114



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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
1144305	Soil	5	21	0.13	1673	0.004	2	0.58	0.006	0.07	<0.1	0.28	3.6	0.1	<0.05	2	1.0	<0.2
1144309	Soil	10	24	0.32	502	0.010	2	1.26	0.005	0.08	0.2	0.11	2.3	0.1	<0.05	4	0.8	<0.2
1144307	Soil	8	15	0.06	302	0.004	2	0.58	0.004	0.06	0.2	0.02	0.4	0.1	<0.05	4	0.8	<0.2
1144306	Soil	4	7	0.06	934	0.008	1	0.42	0.018	0.04	<0.1	0.07	0.6	<0.1	<0.05	2	0.5	<0.2
1144302	Soil	12	17	0.18	1680	0.005	3	0.73	0.015	0.07	<0.1	0.15	2.3	0.2	0.10	2	0.6	<0.2
1144304	Soil	4	17	0.05	604	0.004	1	0.66	0.007	0.06	0.1	0.04	1.2	0.1	<0.05	3	1.3	<0.2
1144303	Soil	6	24	0.15	2701	0.004	3	0.81	0.004	0.07	0.1	0.14	4.6	0.1	<0.05	3	1.8	0.2
1144301	Soil	10	25	0.28	1339	0.015	2	1.26	0.004	0.06	0.1	0.19	3.1	<0.1	<0.05	4	0.6	<0.2
1144443	Soil	6	65	0.11	476	0.004	3	1.74	0.002	0.04	<0.1	0.87	9.9	0.3	<0.05	4	1.9	0.3
1144438	Soil	10	30	0.31	252	0.031	2	1.46	0.007	0.14	0.2	0.32	3.7	0.4	0.18	4	5.4	<0.2
1144439	Soil	7	26	0.20	98	0.017	<1	1.25	0.003	0.07	0.2	0.07	3.7	0.1	<0.05	4	1.3	0.3
1144437	Soil	6	21	0.16	167	0.012	2	0.94	0.005	0.11	0.1	0.20	4.7	0.2	0.06	4	1.4	<0.2
1144447	Soil	15	18	0.09	260	0.021	1	0.74	0.003	0.07	0.1	0.04	2.6	0.2	<0.05	6	0.8	<0.2
1144445	Soil	11	22	0.13	192	0.024	1	0.87	0.003	0.10	0.2	0.11	2.6	0.2	0.05	5	2.0	<0.2
1144436	Soil	10	25	0.09	193	0.015	2	0.91	0.003	0.10	0.1	0.19	1.6	0.2	0.07	6	3.0	<0.2
1144442	Soil	7	5	0.02	40	0.011	1	0.25	0.013	0.03	<0.1	0.02	0.2	<0.1	<0.05	2	<0.5	<0.2
1144441	Soil	10	23	0.27	184	0.010	<1	1.00	0.004	0.07	0.2	0.06	1.7	0.2	<0.05	3	2.5	<0.2
1144444	Soil	12	28	0.39	218	0.023	2	1.22	0.005	0.09	0.2	0.20	2.7	0.2	0.05	4	1.7	<0.2
1144446	Soil	10	34	0.22	181	0.065	4	1.03	0.003	0.16	0.1	0.06	3.0	0.2	0.05	10	1.2	<0.2
1144448	Soil	13	28	0.26	347	0.013	4	1.77	0.004	0.07	0.1	0.05	4.7	0.1	<0.05	4	0.9	<0.2
1157359	Soil	10	23	0.15	255	0.018	3	1.19	0.003	0.08	0.2	0.12	5.0	0.2	0.08	5	2.3	<0.2
1157360	Soil	7	21	0.19	280	0.010	2	1.25	0.004	0.11	0.1	0.12	4.0	0.2	0.16	3	2.2	<0.2
1157358	Soil	7	53	0.08	339	0.004	3	0.73	0.003	0.10	<0.1	0.76	0.9	0.3	0.13	4	4.3	<0.2
1157357	Soil	7	61	0.06	452	0.008	3	1.38	0.002	0.14	<0.1	0.32	4.0	0.4	0.15	4	11.1	0.3
1157355	Soil	12	31	0.31	271	0.023	2	1.40	0.005	0.15	0.1	0.20	3.0	0.3	0.19	4	5.0	<0.2
1157356	Soil	14	29	0.25	421	0.013	4	1.46	0.003	0.15	<0.1	0.24	12.0	0.4	0.07	4	1.8	<0.2
1157353	Soil	11	28	0.22	119	0.028	3	1.22	0.003	0.08	0.2	0.11	4.3	0.1	0.06	5	1.6	<0.2
1157354	Soil	13	20	0.12	128	0.026	1	0.77	0.002	0.08	0.1	0.04	3.1	0.2	<0.05	6	1.0	0.3
1157352	Soil	10	18	0.18	119	0.023	2	0.98	0.009	0.06	0.2	0.06	1.5	0.1	0.06	4	1.1	<0.2
1157351	Soil	14	33	0.29	177	0.020	3	1.25	0.004	0.16	<0.1	0.05	4.2	0.1	<0.05	5	1.5	<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 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
1144450	Soil	7.9	83.3	51.2	233	2.3	31.3	8.1	387	3.30	29.4	2.0	8.5	3.4	24	0.4	3.6	0.3	35	0.03	0.045
1144449	Soil	13.9	115.9	28.3	123	0.7	26.2	6.6	199	4.35	21.1	3.9	6.4	2.3	71	0.5	3.1	0.5	64	0.04	0.123
1157362	Soil	1.7	206.4	15.0	645	0.5	104.3	17.5	663	6.41	6.7	1.1	5.0	1.1	15	0.6	1.8	0.4	51	0.01	0.080
1157367	Soil	40.3	263.0	34.2	1379	1.2	274.4	73.9	4182	9.19	14.4	4.3	22.6	4.9	21	6.4	3.5	0.3	52	0.02	0.053
1157361	Soil	1.4	193.6	12.9	160	0.6	20.2	4.9	80	4.58	9.5	0.6	15.5	1.4	14	0.2	3.6	0.4	40	0.02	0.064
1157365	Soil	10.8	221.7	31.2	762	2.0	167.1	30.3	643	3.95	22.8	6.7	6.7	1.6	81	2.9	4.2	0.2	52	0.03	0.094
1157369	Soil	3.3	105.1	18.2	66	1.6	17.8	3.6	249	2.04	5.9	1.3	9.2	1.4	70	0.5	1.5	0.2	16	0.02	0.074
1157363	Soil	5.3	112.4	26.7	76	2.9	12.6	0.8	33	3.02	9.4	5.8	11.2	2.7	52	0.2	3.4	0.3	17	0.02	0.074
1157368	Soil	41.3	268.2	34.6	1393	1.3	282.6	77.4	4750	9.55	13.7	4.7	24.7	5.1	21	7.7	3.2	0.3	57	0.02	0.052
1157364	Soil	1.6	127.6	9.8	423	0.2	68.6	16.3	723	4.11	7.1	0.7	2.9	0.4	32	0.9	1.1	0.3	42	0.02	0.067
1157370	Soil	3.2	102.4	18.3	68	1.6	18.0	3.6	258	2.06	5.9	1.3	9.9	1.4	70	0.5	1.5	0.2	18	0.02	0.068
1157366	Soil	1.8	315.8	15.3	270	0.2	80.9	11.2	290	4.28	7.7	3.4	2.9	3.4	12	0.4	1.3	0.4	44	0.02	0.063
1157371	Soil	1.0	33.7	3.9	35	0.2	22.5	3.7	1165	0.70	3.7	0.3	2.8	0.7	30	0.1	0.5	<0.1	7	<0.01	0.024
1157086	Soil	7.7	88.9	17.3	158	1.7	30.6	4.2	167	3.30	12.4	1.8	6.8	0.9	30	0.3	2.0	0.3	80	0.02	0.080
1157089	Soil	2.3	37.7	11.9	108	0.7	19.5	4.8	150	2.22	8.0	0.6	2.7	0.8	11	<0.1	1.2	0.3	56	0.02	0.037
1157084	Soil	1.7	83.3	17.7	235	0.7	51.1	15.8	991	3.74	6.6	0.7	6.5	1.2	11	0.3	1.4	0.5	46	0.03	0.057
1157087	Soil	1.1	42.6	9.0	99	<0.1	19.6	12.1	681	2.86	4.0	0.4	2.1	1.1	11	0.5	0.6	0.2	35	0.02	0.039
1157091	Soil	1.7	31.4	7.6	71	0.4	13.1	3.5	127	1.37	5.7	0.4	0.9	0.2	8	<0.1	0.8	0.2	42	0.02	0.027
1157093	Soil	2.7	46.5	13.0	109	0.9	19.6	4.5	99	1.69	7.1	0.5	2.3	0.4	14	<0.1	1.2	0.3	61	0.02	0.036
1157090	Soil	2.7	52.2	14.0	133	0.8	27.7	7.0	308	2.79	9.3	0.6	1.6	1.0	15	0.1	1.4	0.3	62	0.03	0.043
1157085	Soil	1.9	61.2	10.8	197	0.2	30.2	9.6	1528	3.79	6.7	0.6	2.0	1.6	13	0.3	1.2	0.4	55	0.03	0.067
1157083	Soil	10.0	350.6	24.9	563	2.2	53.0	4.4	73	4.78	26.0	8.5	10.2	5.9	30	0.3	4.3	0.2	48	0.02	0.054
1157092	Soil	1.8	24.8	9.2	61	0.3	15.3	4.5	271	1.71	7.6	0.4	2.0	1.3	8	0.1	1.0	0.2	46	0.02	0.026
1157088	Soil	3.9	67.8	13.0	178	0.9	34.6	11.0	568	3.45	11.3	0.9	2.2	1.2	14	0.4	1.6	0.3	63	0.03	0.044
1157094	Soil	5.3	88.9	26.0	261	0.9	42.3	9.3	323	4.26	14.4	0.9	3.4	1.5	16	0.1	2.4	0.4	64	0.02	0.065
1157099	Soil	0.9	12.4	3.8	37	0.4	6.5	2.5	127	1.17	3.0	0.2	<0.5	0.3	5	<0.1	0.4	0.2	38	0.03	0.015
1157100	Soil	0.9	23.0	3.4	46	0.2	9.3	2.9	116	1.01	2.4	0.3	<0.5	0.2	6	<0.1	0.5	0.1	29	0.03	0.022
1144004	Soil	2.1	30.1	6.8	71	0.6	12.1	3.5	164	1.16	4.0	0.4	0.7	0.2	14	0.1	0.7	0.1	33	0.02	0.036
1144006	Soil	6.0	73.1	17.4	179	0.5	36.7	9.9	285	3.86	12.5	0.9	4.6	2.4	28	0.3	2.3	0.3	85	0.03	0.054
1157097	Soil	2.1	70.2	6.5	302	0.4	77.9	19.7	422	3.03	6.8	0.4	1.1	0.6	7	0.2	1.1	0.3	53	0.01	0.035



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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
1144450	Soil	10	19	0.11	470	0.010	2	0.76	0.003	0.16	<0.1	0.39	2.9	0.4	0.18	3	8.7	<0.2
1144449	Soil	13	26	0.19	444	0.012	4	1.15	0.006	0.40	<0.1	0.51	4.1	0.4	0.54	5	2.9	0.3
1157362	Soil	5	19	0.05	159	0.007	3	0.99	0.003	0.10	<0.1	0.07	3.8	0.2	<0.05	4	2.3	<0.2
1157367	Soil	11	19	0.08	445	0.003	3	0.94	0.002	0.14	<0.1	0.77	11.1	0.6	<0.05	2	2.7	<0.2
1157361	Soil	4	15	0.05	94	0.012	2	0.56	0.002	0.07	<0.1	0.16	2.2	0.1	<0.05	4	2.3	0.3
1157365	Soil	9	15	0.03	575	0.001	2	0.67	0.003	0.19	<0.1	0.61	2.6	0.3	0.26	2	8.9	<0.2
1157369	Soil	7	9	0.02	255	0.001	2	0.49	0.003	0.14	<0.1	0.26	2.3	0.2	0.19	1	3.6	<0.2
1157363	Soil	12	14	0.02	283	0.002	2	0.48	0.002	0.19	<0.1	0.41	1.4	0.2	0.26	2	6.8	<0.2
1157368	Soil	11	19	0.08	442	0.003	2	0.93	0.002	0.13	<0.1	0.85	11.2	0.6	<0.05	2	3.0	<0.2
1157364	Soil	6	16	0.08	148	0.009	3	0.78	0.003	0.09	<0.1	0.04	2.0	0.1	<0.05	4	0.9	<0.2
1157370	Soil	7	10	0.02	261	0.002	2	0.50	0.003	0.14	<0.1	0.26	2.4	0.2	0.17	1	3.8	<0.2
1157366	Soil	7	22	0.13	103	0.012	2	1.96	0.003	0.07	0.1	0.05	4.5	0.2	<0.05	4	1.2	<0.2
1157371	Soil	1	5	0.01	150	<0.001	<1	0.25	<0.001	0.04	<0.1	0.07	1.2	<0.1	<0.05	<1	<0.5	<0.2
1157086	Soil	11	29	0.11	338	0.008	3	0.96	0.004	0.22	<0.1	0.15	1.8	0.4	0.18	6	4.1	<0.2
1157089	Soil	12	15	0.08	198	0.023	1	0.67	0.004	0.08	0.1	0.06	1.1	0.2	<0.05	5	0.9	<0.2
1157084	Soil	12	22	0.08	263	0.009	3	0.71	0.004	0.13	<0.1	0.09	2.6	0.1	0.05	5	0.8	<0.2
1157087	Soil	6	15	0.11	194	0.020	3	0.67	0.011	0.11	<0.1	0.02	1.4	0.1	<0.05	4	<0.5	<0.2
1157091	Soil	11	9	0.04	76	0.014	<1	0.51	0.008	0.05	<0.1	<0.01	0.6	<0.1	<0.05	4	<0.5	<0.2
1157093	Soil	12	13	0.04	124	0.012	1	0.51	0.005	0.08	<0.1	0.02	0.8	0.2	0.07	5	1.1	<0.2
1157090	Soil	10	21	0.13	137	0.018	2	0.83	0.006	0.10	0.1	0.03	1.6	0.2	<0.05	6	1.5	<0.2
1157085	Soil	10	19	0.08	203	0.027	3	0.77	0.007	0.13	<0.1	0.11	2.1	0.2	<0.05	7	0.9	<0.2
1157083	Soil	18	29	0.04	515	0.001	2	0.73	0.002	0.12	<0.1	0.99	4.7	0.2	0.10	3	14.7	<0.2
1157092	Soil	10	13	0.10	98	0.026	1	0.62	0.008	0.06	0.2	<0.01	1.1	0.1	<0.05	5	0.6	<0.2
1157088	Soil	12	25	0.15	209	0.017	2	1.15	0.004	0.13	0.1	0.08	2.0	0.2	<0.05	6	2.0	<0.2
1157094	Soil	11	21	0.11	245	0.020	2	0.85	0.004	0.12	0.1	0.07	2.7	0.2	0.10	6	2.2	<0.2
1157099	Soil	5	7	0.04	45	0.025	1	0.49	0.013	0.03	<0.1	0.02	0.5	<0.1	<0.05	3	<0.5	<0.2
1157100	Soil	5	5	0.02	48	0.016	1	0.54	0.014	0.03	<0.1	0.01	0.5	<0.1	<0.05	3	<0.5	<0.2
1144004	Soil	6	7	0.03	124	0.010	2	0.36	0.013	0.07	<0.1	0.02	0.6	<0.1	<0.05	3	0.8	<0.2
1144006	Soil	8	27	0.17	226	0.007	2	1.37	0.004	0.10	<0.1	0.06	2.8	0.2	0.05	5	2.1	<0.2
1157097	Soil	6	12	0.05	91	0.009	2	0.72	0.004	0.07	<0.1	0.02	1.7	<0.1	<0.05	5	1.1	<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		
					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
1144003	Soil				2.4	46.3	11.3	133	1.9	33.5	9.6	263	2.88	11.5	0.6	3.8	2.4	13	0.2	1.6	0.2	62	0.05	0.031
1144005	Soil				1.8	27.0	6.5	66	0.2	12.9	3.7	144	1.60	5.3	0.3	3.8	0.8	9	0.1	0.8	0.2	44	0.02	0.027
1157098	Soil				2.6	50.4	8.2	147	0.6	26.6	5.5	156	2.47	8.6	0.6	1.1	0.7	8	0.1	1.5	0.3	58	0.01	0.035
1157096	Soil				2.9	38.9	8.5	107	0.5	19.3	4.6	114	1.71	6.6	0.4	1.7	0.6	10	0.1	1.3	0.2	60	0.02	0.029
1157095	Soil				2.6	46.5	10.7	125	0.1	24.4	7.6	424	4.57	9.4	0.6	2.3	2.1	8	0.2	1.2	0.3	61	0.03	0.050
1144001	Soil				1.9	38.6	6.0	95	<0.1	20.3	5.6	137	1.57	5.7	0.4	<0.5	1.2	5	<0.1	1.0	0.2	42	0.02	0.022
1144002	Soil				1.4	45.3	9.4	100	1.9	20.9	4.1	178	2.03	5.7	0.4	1.2	0.6	10	0.1	1.3	0.2	47	0.02	0.030
1144008	Soil				1.6	35.4	6.2	105	0.5	19.8	4.6	138	1.61	4.2	0.4	<0.5	0.6	10	0.2	0.8	0.1	34	0.02	0.033
1144013	Soil				3.5	45.6	9.4	137	0.1	24.6	7.1	216	2.68	9.4	0.6	2.9	2.4	10	0.2	1.6	0.3	56	0.03	0.026
1144012	Soil				3.3	45.5	8.0	131	0.2	22.7	5.8	244	2.18	8.8	0.5	0.5	1.5	9	0.1	1.5	0.2	56	0.02	0.029
1144014	Soil				0.3	10.0	1.9	37	<0.1	8.6	2.9	115	0.89	1.2	<0.1	<0.5	0.2	4	<0.1	0.2	<0.1	17	0.02	0.012
1144015	Soil				0.6	21.9	3.4	63	<0.1	12.7	4.2	237	1.48	1.6	0.2	<0.5	0.4	5	<0.1	0.4	0.1	24	0.02	0.018
1144011	Soil				0.8	10.8	4.5	27	0.2	4.2	1.2	50	0.47	1.8	0.3	<0.5	0.4	6	<0.1	0.4	0.2	28	0.02	0.013
1144010	Soil				3.4	50.0	12.7	145	0.7	26.6	7.6	272	3.52	11.5	0.7	1.1	2.8	11	0.2	1.7	0.3	73	0.03	0.037
1144009	Soil				3.6	49.4	11.1	145	0.8	25.1	6.8	292	2.80	9.8	0.6	1.2	2.6	11	0.2	1.7	0.3	60	0.03	0.030
1144007	Soil				4.9	58.8	19.0	184	0.3	32.1	10.1	363	4.57	14.2	0.8	1.7	3.2	19	0.3	2.1	0.4	83	0.04	0.069
1157159	Soil				2.1	14.6	6.8	50	0.3	8.4	3.5	148	1.07	6.0	0.4	1.1	0.5	9	0.8	0.8	0.3	38	0.03	0.037
1157161	Soil				2.4	18.5	7.6	39	0.3	8.7	2.6	129	0.99	7.0	0.6	1.0	<0.1	15	0.4	0.7	0.2	39	0.10	0.046
1157163	Soil				5.9	30.9	11.6	134	0.2	25.6	8.1	312	2.73	14.5	1.1	4.3	2.6	20	0.5	2.1	0.2	65	0.08	0.085
1157165	Soil				8.9	34.1	14.0	145	0.2	25.5	15.2	1058	2.69	18.5	1.4	1.4	2.8	21	0.7	1.9	0.2	47	0.13	0.169
1157167	Soil				4.8	29.0	12.7	120	0.3	24.6	8.6	412	3.01	18.6	0.8	2.2	2.4	18	0.3	1.4	0.2	52	0.08	0.233
1157169	Soil				6.0	24.9	13.1	100	0.3	18.8	7.2	323	2.67	20.9	0.6	<0.5	1.4	20	0.6	1.6	0.8	42	0.09	0.166
1157160	Soil				4.4	36.0	10.0	156	0.9	27.2	8.6	437	2.43	14.9	1.0	2.4	1.5	20	0.6	2.0	0.2	52	0.09	0.146
1157162	Soil				3.4	29.4	8.6	73	1.1	15.0	5.7	201	1.27	6.5	1.1	3.6	0.2	18	0.6	1.0	0.2	48	0.08	0.085
1157164	Soil				5.6	36.4	10.7	137	0.2	28.2	9.2	380	2.43	12.9	1.2	6.0	2.5	21	0.6	2.1	0.2	58	0.09	0.079
1157166	Soil				5.7	30.2	14.3	121	0.3	26.3	10.5	387	2.99	17.6	0.9	1.9	3.1	19	0.4	1.7	0.3	45	0.06	0.107
1157168	Soil				5.3	30.1	14.3	109	0.5	21.3	6.7	267	3.43	20.1	0.6	<0.5	0.9	16	0.3	1.4	0.4	58	0.04	0.158
1157170	Soil				4.8	23.7	13.3	77	0.1	14.1	5.2	391	2.36	16.0	0.5	1.0	0.5	15	0.3	1.5	0.3	50	0.05	0.105
1157171	Soil				8.8	55.5	18.7	160	0.4	37.0	14.3	729	3.49	25.8	1.5	3.5	4.3	34	1.2	1.9	0.4	34	0.18	0.143
1157173	Soil				5.0	23.8	6.5	58	0.1	11.6	5.5	1495	1.55	10.4	0.4	<0.5	<0.1	16	0.2	1.0	0.2	28	0.04	0.058



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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
1144003	Soil	9	25	0.26	140	0.021	3	1.46	0.004	0.08	0.2	0.08	2.3	0.1	<0.05	5	1.4	<0.2
1144005	Soil	5	11	0.05	77	0.019	1	0.64	0.012	0.05	0.1	0.02	0.9	0.1	<0.05	4	1.0	<0.2
1157098	Soil	9	14	0.04	98	0.012	2	0.52	0.005	0.07	<0.1	0.03	1.3	0.1	<0.05	5	0.8	<0.2
1157096	Soil	9	11	0.04	105	0.014	1	0.55	0.007	0.07	0.1	0.02	1.0	0.1	<0.05	5	1.0	<0.2
1157095	Soil	9	25	0.21	150	0.021	3	1.38	0.004	0.10	0.1	0.03	3.1	0.1	<0.05	7	1.1	<0.2
1144001	Soil	8	9	0.04	73	0.013	1	0.50	0.007	0.06	0.1	0.01	1.1	<0.1	<0.05	4	0.7	<0.2
1144002	Soil	8	12	0.06	71	0.019	<1	0.62	0.009	0.05	<0.1	0.02	1.4	<0.1	<0.05	4	1.6	<0.2
1144008	Soil	8	8	0.05	104	0.016	1	0.52	0.010	0.06	<0.1	0.02	0.9	<0.1	0.05	3	0.9	<0.2
1144013	Soil	9	15	0.10	115	0.018	2	0.76	0.006	0.08	<0.1	0.01	1.8	0.1	<0.05	5	1.5	<0.2
1144012	Soil	9	12	0.05	105	0.014	2	0.50	0.004	0.08	0.1	0.02	1.5	0.1	0.06	5	1.2	<0.2
1144014	Soil	1	4	0.03	104	0.011	<1	0.31	0.015	0.04	<0.1	0.01	0.7	<0.1	<0.05	2	<0.5	<0.2
1144015	Soil	2	6	0.04	71	0.011	1	0.44	0.013	0.04	<0.1	0.02	1.1	<0.1	<0.05	3	<0.5	<0.2
1144011	Soil	13	6	0.03	74	0.013	1	0.48	0.008	0.04	<0.1	0.02	0.4	0.1	<0.05	4	<0.5	<0.2
1144010	Soil	9	24	0.17	136	0.013	2	1.56	0.005	0.10	0.1	0.04	2.2	0.2	<0.05	7	1.4	<0.2
1144009	Soil	10	18	0.13	143	0.017	1	1.11	0.007	0.08	0.1	0.03	2.0	0.2	<0.05	5	1.6	<0.2
1144007	Soil	11	25	0.16	162	0.019	1	1.31	0.003	0.11	0.1	0.03	2.7	0.2	<0.05	7	1.8	<0.2
1157159	Soil	11	8	0.04	303	0.018	1	0.44	0.007	0.04	0.1	0.02	0.6	0.1	<0.05	4	<0.5	<0.2
1157161	Soil	7	10	0.10	549	0.007	<1	0.67	0.016	0.06	<0.1	0.07	0.2	0.2	<0.05	4	0.5	<0.2
1157163	Soil	10	21	0.27	509	0.007	3	1.32	0.004	0.10	0.1	0.08	2.1	0.3	<0.05	4	1.4	<0.2
1157165	Soil	8	18	0.19	272	0.006	3	1.10	0.004	0.10	0.1	0.07	2.3	0.3	<0.05	3	1.6	<0.2
1157167	Soil	6	19	0.16	263	0.006	2	1.29	0.006	0.08	0.2	0.04	2.2	0.2	<0.05	4	1.3	<0.2
1157169	Soil	6	13	0.12	1164	0.010	1	0.74	0.007	0.08	0.2	0.04	1.7	0.2	0.05	4	1.1	<0.2
1157160	Soil	9	18	0.17	224	0.008	3	1.03	0.006	0.10	<0.1	0.07	1.7	0.2	<0.05	3	1.1	<0.2
1157162	Soil	6	14	0.13	476	0.004	2	0.92	0.014	0.09	0.1	0.16	0.6	0.2	<0.05	4	0.9	<0.2
1157164	Soil	10	21	0.25	556	0.007	2	1.21	0.006	0.10	0.1	0.11	2.1	0.3	<0.05	3	1.1	<0.2
1157166	Soil	7	20	0.22	292	0.005	2	1.36	0.005	0.07	0.1	0.06	2.6	0.2	<0.05	3	1.1	<0.2
1157168	Soil	6	17	0.15	441	0.008	2	1.21	0.005	0.08	0.2	0.04	1.8	0.2	<0.05	5	0.9	<0.2
1157170	Soil	7	11	0.08	597	0.013	1	0.63	0.007	0.07	0.1	0.03	1.0	0.2	<0.05	4	0.6	<0.2
1157171	Soil	7	14	0.17	1116	0.002	2	0.94	0.005	0.09	<0.1	0.17	3.4	0.3	<0.05	2	1.6	<0.2
1157173	Soil	5	8	0.03	239	0.004	<1	0.47	0.014	0.06	<0.1	0.03	0.3	0.2	<0.05	2	0.7	<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 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
1157172	Soil	9.3	53.7	17.5	158	0.4	37.6	15.4	702	3.65	25.3	1.3	3.4	4.3	31	1.2	1.8	0.4	36	0.18	0.146
1157174	Soil	6.1	14.6	5.8	38	0.4	10.1	3.1	95	1.26	6.6	0.3	0.7	0.3	9	0.3	0.5	0.1	31	0.03	0.046
1062171	Soil	15.2	70.9	16.2	272	0.7	59.9	17.5	314	3.31	33.3	1.6	5.1	4.5	52	0.7	2.6	0.3	40	0.64	0.246
1157156	Soil	8.5	39.0	13.5	153	0.5	27.9	7.6	406	2.90	15.8	0.9	0.9	0.6	17	1.0	2.7	0.3	89	0.07	0.109
1157153	Soil	4.5	21.5	9.9	68	0.6	18.5	7.2	475	1.79	9.0	1.1	3.1	1.4	23	0.3	0.7	0.2	39	0.29	0.093
1157151	Soil	1.5	6.6	2.4	18	0.3	4.7	2.9	111	0.67	2.3	0.3	<0.5	0.4	16	0.1	0.2	<0.1	18	0.26	0.060
1157157	Soil	5.0	35.1	11.2	134	0.5	23.0	4.9	124	2.47	15.2	0.7	4.1	1.7	17	0.3	2.5	0.3	76	0.02	0.106
1157155	Soil	3.8	29.1	7.6	105	0.7	25.7	7.8	448	1.90	8.4	1.0	3.0	1.5	21	0.5	1.0	0.2	44	0.20	0.075
1157158	Soil	5.3	49.8	11.5	151	0.3	37.2	11.7	660	2.63	13.4	1.5	5.6	4.1	19	0.7	2.0	0.3	57	0.09	0.071
1157154	Soil	3.7	15.7	7.7	58	0.5	15.3	7.3	360	1.56	6.4	0.8	2.1	1.1	20	0.4	0.6	0.2	37	0.23	0.082
1157152	Soil	3.0	14.8	10.2	34	0.3	8.5	5.0	184	1.65	6.6	0.9	2.0	2.1	31	0.4	0.3	0.2	21	0.68	0.105
1062172	Soil	0.4	5.6	1.0	14	0.2	2.5	1.4	66	0.35	0.6	0.3	<0.5	<0.1	26	0.3	<0.1	<0.1	14	0.59	0.033
1060850	Soil	4.4	20.1	9.1	76	0.3	19.3	6.5	253	1.97	11.5	0.4	1.2	0.5	16	0.2	1.0	0.2	39	0.14	0.049
1060849	Soil	2.3	17.4	9.9	96	0.2	25.4	7.0	154	1.74	210.3	0.6	0.9	0.6	18	0.9	3.6	0.2	33	0.23	0.141
1157113	Soil	23.8	85.5	20.0	302	0.6	100.8	17.3	350	3.58	16.6	4.5	6.2	5.8	56	2.0	5.2	0.2	59	0.64	0.320
1157114	Soil	1.9	21.2	12.1	124	0.4	29.5	7.9	113	2.76	10.2	0.3	0.5	0.8	7	0.4	0.8	0.2	44	0.06	0.109
1157115	Soil	20.4	216.5	21.1	322	0.6	88.0	19.8	189	4.47	24.9	2.9	8.1	3.7	31	1.4	3.7	0.4	75	0.29	0.337
1157116	Soil	7.5	85.8	17.9	218	2.1	60.2	14.7	335	3.35	11.9	0.6	18.9	3.5	7	0.9	3.5	0.3	30	0.08	0.111
1157101	Soil	2.2	19.3	13.0	55	0.1	11.3	4.7	389	2.55	9.6	0.6	0.9	1.2	12	<0.1	1.0	0.3	68	0.05	0.055
1157102	Soil	2.5	26.9	13.6	118	0.2	25.9	9.2	332	2.58	13.9	0.7	1.4	2.9	14	0.4	1.5	0.2	57	0.09	0.061
1157103	Soil	1.9	13.7	11.1	47	<0.1	9.3	2.9	151	2.16	11.5	0.4	0.7	0.7	8	<0.1	1.0	0.3	66	0.04	0.049
1157111	Soil	1.3	20.6	14.7	71	<0.1	31.8	12.8	377	2.71	8.1	0.6	0.6	5.0	15	0.2	0.4	0.2	25	0.32	0.108
1157112	Soil	2.2	76.0	17.0	153	1.3	54.9	13.0	194	2.78	5.6	1.2	21.8	3.0	20	0.6	1.6	0.4	39	0.25	0.092
1157110	Soil	1.3	20.3	14.6	73	<0.1	30.2	12.2	339	2.83	8.2	0.6	0.9	4.8	16	0.2	0.5	0.2	28	0.32	0.105
1157109	Soil	2.3	47.8	11.3	72	0.1	19.2	9.1	333	2.10	7.9	0.7	2.7	0.7	10	0.2	1.0	0.2	43	0.05	0.053
1157108	Soil	1.9	61.2	13.2	112	0.1	31.8	12.6	291	2.43	8.5	0.6	3.7	1.6	13	0.2	1.4	0.2	46	0.06	0.044
1157107	Soil	2.4	26.9	11.4	62	1.0	13.6	4.0	110	2.32	8.9	0.5	4.9	1.4	9	0.1	1.2	0.2	53	0.04	0.033
1157105	Soil	0.6	7.2	3.1	18	0.6	3.5	1.3	50	0.73	2.8	0.2	<0.5	<0.1	6	<0.1	0.3	<0.1	25	0.03	0.023
1157106	Soil	2.2	17.8	13.3	55	3.2	11.2	3.7	159	2.44	10.6	0.5	3.5	1.6	10	<0.1	1.8	0.3	59	0.04	0.037
1157104	Soil	1.6	14.0	8.0	36	0.5	7.5	2.3	72	1.56	8.0	0.4	2.5	0.5	6	<0.1	0.8	0.2	53	0.03	0.033



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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
1157172	Soil	7	15	0.15	1182	0.002	2	0.96	0.004	0.09	<0.1	0.15	3.3	0.3	<0.05	2	1.9	<0.2
1157174	Soil	4	7	0.07	171	0.008	1	0.75	0.010	0.05	<0.1	0.02	0.6	0.2	<0.05	3	0.5	<0.2
1062171	Soil	11	12	0.09	1064	0.002	2	0.79	0.004	0.10	<0.1	0.97	4.5	0.4	<0.05	2	2.1	<0.2
1157156	Soil	10	18	0.12	424	0.009	2	0.78	0.005	0.10	0.1	0.05	1.4	0.2	<0.05	5	1.8	<0.2
1157153	Soil	7	14	0.15	561	0.004	2	0.92	0.014	0.07	<0.1	0.47	2.2	0.2	<0.05	3	1.7	<0.2
1157151	Soil	3	3	0.04	126	0.011	<1	0.25	0.022	0.03	<0.1	0.11	0.6	<0.1	<0.05	1	0.6	<0.2
1157157	Soil	10	15	0.10	173	0.005	3	0.74	0.002	0.09	0.2	0.03	1.4	0.2	<0.05	4	1.3	<0.2
1157155	Soil	9	19	0.21	524	0.007	2	0.98	0.011	0.09	0.1	0.30	2.2	0.2	<0.05	3	0.8	<0.2
1157158	Soil	12	21	0.31	468	0.008	3	1.43	0.003	0.10	<0.1	0.17	2.7	0.2	<0.05	4	1.3	<0.2
1157154	Soil	6	12	0.14	503	0.005	1	0.73	0.014	0.07	<0.1	0.18	1.5	0.2	<0.05	3	0.9	<0.2
1157152	Soil	4	8	0.11	311	0.002	2	0.60	0.011	0.05	<0.1	0.29	1.6	<0.1	<0.05	2	1.7	<0.2
1062172	Soil	2	2	0.05	194	0.012	1	0.26	0.040	0.03	<0.1	0.04	0.2	<0.1	<0.05	<1	0.9	<0.2
1060850	Soil	8	10	0.09	334	0.010	<1	0.58	0.005	0.07	0.1	0.02	1.0	0.1	<0.05	3	0.9	<0.2
1060849	Soil	5	16	0.05	364	0.002	1	0.82	0.004	0.08	<0.1	0.36	1.1	0.5	<0.05	3	2.1	<0.2
1157113	Soil	19	29	0.33	924	0.002	3	1.14	0.004	0.14	<0.1	0.23	5.0	0.4	<0.05	3	9.8	<0.2
1157114	Soil	5	22	0.14	199	0.004	2	1.10	0.003	0.08	<0.1	0.01	1.7	0.2	<0.05	4	2.6	<0.2
1157115	Soil	8	24	0.19	246	0.003	3	1.35	0.003	0.13	<0.1	0.09	4.4	0.6	<0.05	4	6.0	<0.2
1157116	Soil	4	24	0.31	168	0.002	4	1.00	0.003	0.12	<0.1	0.44	3.2	0.3	<0.05	3	4.9	<0.2
1157101	Soil	14	23	0.17	288	0.026	1	1.31	0.004	0.07	0.2	0.01	1.4	0.2	<0.05	7	0.8	<0.2
1157102	Soil	12	26	0.38	269	0.027	2	1.59	0.006	0.09	0.2	0.02	2.0	0.1	<0.05	5	0.8	<0.2
1157103	Soil	10	15	0.09	142	0.028	1	0.72	0.006	0.05	0.2	0.01	0.8	0.1	<0.05	7	0.8	<0.2
1157111	Soil	11	21	0.57	601	0.003	3	1.62	0.004	0.11	<0.1	0.04	3.0	0.1	<0.05	4	<0.5	<0.2
1157112	Soil	7	23	0.48	1078	0.002	2	1.26	0.003	0.11	<0.1	0.13	3.5	0.2	<0.05	3	2.1	0.2
1157110	Soil	11	22	0.54	510	0.004	2	1.54	0.005	0.10	<0.1	0.02	3.1	0.1	0.05	4	0.9	<0.2
1157109	Soil	8	18	0.22	349	0.015	2	1.12	0.009	0.07	0.1	0.03	1.4	0.1	0.06	4	0.8	<0.2
1157108	Soil	8	23	0.27	802	0.018	2	1.49	0.004	0.06	0.2	0.03	2.0	0.1	<0.05	4	0.6	<0.2
1157107	Soil	8	20	0.18	279	0.019	2	1.37	0.004	0.06	0.2	0.06	1.4	0.1	<0.05	5	1.3	<0.2
1157105	Soil	3	5	0.03	134	0.017	<1	0.31	0.016	0.03	<0.1	<0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
1157106	Soil	9	23	0.18	476	0.020	1	1.41	0.004	0.07	0.2	0.07	1.4	0.1	<0.05	6	0.8	<0.2
1157104	Soil	11	11	0.08	131	0.023	<1	0.67	0.007	0.05	0.1	0.02	0.6	<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	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																					
1157022	Soil	2.3	18.0	8.7	77	0.4	14.3	4.5	189	2.00	10.1	0.5	2.3	1.7	10	0.4	1.1	0.2	48	0.04	0.054
REP 1157022	QC	2.4	18.9	9.1	79	0.4	14.7	4.8	189	2.08	10.3	0.5	1.7	1.8	10	0.4	1.0	0.2	50	0.04	0.050
1157012	Soil	2.2	13.6	4.9	37	0.3	10.0	4.8	232	0.97	2.5	0.6	1.9	0.3	13	0.3	0.4	0.1	16	0.19	0.067
REP 1157012	QC	2.2	12.9	4.9	38	0.3	9.9	4.8	225	0.96	2.8	0.5	2.1	0.3	13	0.3	0.3	0.1	16	0.19	0.073
1157034	Soil	2.0	71.1	19.1	139	0.2	45.6	28.9	1499	3.69	7.3	0.8	3.0	2.1	11	0.4	1.1	0.4	49	0.07	0.058
REP 1157034	QC	2.0	70.4	19.3	137	0.2	45.9	29.6	1498	3.72	7.3	0.8	3.5	2.2	11	0.3	1.2	0.4	49	0.04	0.059
1144051	Soil	4.8	85.1	14.8	214	1.1	43.8	10.0	260	3.78	10.6	1.1	5.1	1.9	24	0.2	1.6	0.3	60	0.05	0.047
REP 1144051	QC	4.3	79.5	13.8	197	1.0	41.4	10.1	242	3.45	9.8	1.0	4.9	1.7	22	0.2	1.6	0.2	55	0.05	0.045
1144312	Soil	2.1	106.3	16.5	189	0.2	55.7	11.7	249	4.17	11.7	0.8	5.4	1.9	21	0.2	2.2	0.3	50	0.03	0.051
REP 1144312	QC	2.0	103.9	16.5	198	0.1	58.9	12.3	252	4.25	12.0	0.8	4.5	2.0	21	0.2	2.2	0.3	48	0.02	0.049
1144441	Soil	2.3	64.5	16.3	204	0.4	50.7	14.6	635	3.45	10.4	1.0	3.2	0.7	20	0.4	1.9	0.3	45	0.08	0.066
REP 1144441	QC	2.4	66.5	16.4	210	0.4	49.1	14.6	609	3.51	10.2	1.0	3.9	0.7	21	0.4	1.8	0.3	45	0.08	0.069
1157361	Soil	1.4	193.6	12.9	160	0.6	20.2	4.9	80	4.58	9.5	0.6	15.5	1.4	14	0.2	3.6	0.4	40	0.02	0.064
REP 1157361	QC	1.5	196.6	12.7	164	0.5	20.6	5.1	81	4.55	9.4	0.6	16.4	1.4	15	0.2	3.8	0.4	39	0.02	0.063
1157092	Soil	1.8	24.8	9.2	61	0.3	15.3	4.5	271	1.71	7.6	0.4	2.0	1.3	8	0.1	1.0	0.2	46	0.02	0.026
REP 1157092	QC	1.9	25.5	9.1	66	0.3	15.4	4.6	279	1.78	8.1	0.5	5.8	1.3	9	<0.1	1.0	0.3	49	0.02	0.026
1144005	Soil	1.8	27.0	6.5	66	0.2	12.9	3.7	144	1.60	5.3	0.3	3.8	0.8	9	0.1	0.8	0.2	44	0.02	0.027
REP 1144005	QC	1.6	25.1	6.6	64	0.2	11.8	3.2	135	1.52	4.7	0.3	3.1	0.8	10	0.1	0.7	0.2	41	0.02	0.027
1157171	Soil	8.8	55.5	18.7	160	0.4	37.0	14.3	729	3.49	25.8	1.5	3.5	4.3	34	1.2	1.9	0.4	34	0.18	0.143
REP 1157171	QC	9.0	53.9	18.0	155	0.3	36.2	13.8	714	3.48	24.7	1.5	3.3	4.2	33	1.3	1.9	0.4	34	0.18	0.149
1062172	Soil	0.4	5.6	1.0	14	0.2	2.5	1.4	66	0.35	0.6	0.3	<0.5	<0.1	26	0.3	<0.1	<0.1	14	0.59	0.033
REP 1062172	QC	0.4	5.5	1.1	14	0.2	2.6	1.3	64	0.33	<0.5	0.3	<0.5	<0.1	26	0.3	0.1	<0.1	13	0.56	0.035
1157105	Soil	0.6	7.2	3.1	18	0.6	3.5	1.3	50	0.73	2.8	0.2	<0.5	<0.1	6	<0.1	0.3	<0.1	25	0.03	0.023
REP 1157105	QC	0.6	7.3	3.0	18	0.6	3.5	1.4	52	0.77	2.7	0.2	<0.5	<0.1	6	<0.1	0.3	<0.1	25	0.03	0.024
Reference Materials																					
STD DS8	Standard	12.5	112.8	130.9	314	1.7	37.9	7.8	627	2.52	25.1	2.9	112.7	6.9	72	2.3	6.4	7.1	43	0.67	0.078
STD DS8	Standard	13.8	110.4	134.2	333	1.9	41.4	8.1	628	2.54	27.3	2.9	110.0	7.1	65	2.4	5.6	6.8	48	0.72	0.087
STD DS8	Standard	11.0	98.7	116.0	293	1.7	33.5	6.6	555	2.25	24.3	2.6	108.0	6.3	59	2.2	5.1	6.2	37	0.65	0.080



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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																		
1157022	Soil	9	16	0.16	203	0.010	3	1.18	0.003	0.07	0.2	0.05	1.6	0.1	<0.05	4	0.6	<0.2
REP 1157022	QC	9	16	0.16	198	0.009	2	1.13	0.004	0.07	0.1	0.04	1.6	0.1	<0.05	4	<0.5	<0.2
1157012	Soil	4	5	0.03	192	0.005	<1	0.40	0.017	0.04	<0.1	0.07	1.1	0.2	<0.05	1	<0.5	<0.2
REP 1157012	QC	4	5	0.03	199	0.004	1	0.43	0.017	0.05	<0.1	0.09	1.1	0.1	<0.05	2	<0.5	<0.2
1157034	Soil	11	28	0.24	218	0.016	4	1.40	0.006	0.14	<0.1	0.09	3.9	0.2	<0.05	6	0.9	<0.2
REP 1157034	QC	11	27	0.23	215	0.021	3	1.37	0.006	0.14	0.1	0.09	3.9	0.2	<0.05	6	1.6	<0.2
1144051	Soil	10	27	0.21	274	0.016	2	1.15	0.005	0.17	<0.1	0.09	2.9	0.2	0.08	5	2.6	<0.2
REP 1144051	QC	9	24	0.20	248	0.015	2	1.05	0.004	0.16	<0.1	0.08	2.7	0.2	0.08	5	2.8	<0.2
1144312	Soil	5	23	0.14	818	0.011	<1	1.02	0.003	0.06	0.2	0.12	3.2	0.1	<0.05	3	1.7	<0.2
REP 1144312	QC	5	23	0.13	1044	0.016	1	1.00	0.003	0.07	0.2	0.14	3.2	0.2	<0.05	3	2.5	<0.2
1144441	Soil	10	23	0.27	184	0.010	<1	1.00	0.004	0.07	0.2	0.06	1.7	0.2	<0.05	3	2.5	<0.2
REP 1144441	QC	10	23	0.26	191	0.011	<1	1.00	0.004	0.08	0.2	0.06	1.6	0.2	<0.05	3	1.9	<0.2
1157361	Soil	4	15	0.05	94	0.012	2	0.56	0.002	0.07	<0.1	0.16	2.2	0.1	<0.05	4	2.3	0.3
REP 1157361	QC	4	15	0.05	98	0.012	2	0.55	0.002	0.07	<0.1	0.17	2.1	0.1	<0.05	4	2.5	0.3
1157092	Soil	10	13	0.10	98	0.026	1	0.62	0.008	0.06	0.2	<0.01	1.1	0.1	<0.05	5	0.6	<0.2
REP 1157092	QC	11	15	0.11	108	0.029	1	0.70	0.008	0.07	0.2	0.02	1.2	0.2	<0.05	5	0.6	<0.2
1144005	Soil	5	11	0.05	77	0.019	1	0.64	0.012	0.05	0.1	0.02	0.9	0.1	<0.05	4	1.0	<0.2
REP 1144005	QC	5	10	0.05	81	0.020	1	0.61	0.012	0.05	0.1	0.02	0.9	<0.1	<0.05	4	1.1	<0.2
1157171	Soil	7	14	0.17	1116	0.002	2	0.94	0.005	0.09	<0.1	0.17	3.4	0.3	<0.05	2	1.6	<0.2
REP 1157171	QC	8	14	0.17	1141	0.002	2	0.94	0.005	0.10	<0.1	0.14	3.5	0.3	<0.05	2	1.5	<0.2
1062172	Soil	2	2	0.05	194	0.012	1	0.26	0.040	0.03	<0.1	0.04	0.2	<0.1	<0.05	<1	0.9	<0.2
REP 1062172	QC	2	2	0.05	194	0.012	<1	0.26	0.041	0.03	<0.1	0.03	0.2	<0.1	<0.05	<1	1.0	<0.2
1157105	Soil	3	5	0.03	134	0.017	<1	0.31	0.016	0.03	<0.1	<0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
REP 1157105	QC	3	5	0.03	131	0.016	<1	0.31	0.015	0.03	<0.1	0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	124	0.61	277	0.115	3	0.88	0.085	0.41	3.1	0.20	2.3	5.6	0.15	5	6.6	5.0
STD DS8	Standard	16	121	0.63	298	0.118	2	0.96	0.093	0.42	3.1	0.22	2.2	5.8	0.17	5	5.4	4.8
STD DS8	Standard	14	101	0.59	257	0.100	3	0.87	0.102	0.40	2.8	0.20	2.1	5.0	0.13	4	4.5	4.7



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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	14.6	113.3	133.3	330	1.9	38.0	8.0	638	2.53	26.6	2.9	153.0	7.3	68	2.8	6.2	7.3	44	0.73	0.086
STD DS8	Standard	14.1	123.5	129.4	314	1.8	39.5	7.8	629	2.54	25.8	3.1	128.4	7.3	70	2.7	5.9	7.2	44	0.69	0.090
STD DS8	Standard	14.3	110.9	118.0	295	1.6	38.8	7.5	591	2.36	23.9	2.8	103.4	7.2	66	2.3	5.1	6.2	43	0.70	0.074
STD DS8	Standard	11.2	96.0	116.4	296	1.6	34.8	6.9	521	2.29	21.3	2.5	108.2	6.0	57	1.7	5.3	5.6	36	0.62	0.068
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	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Vancouver BC V6C 1H2 Canada

Project:

PDM

Report Date:

August 30, 2011

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Part 2

QUALITY CONTROL REPORT

WHI11001104.1

		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	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	16	121	0.66	291	0.123	3	0.97	0.086	0.42	3.3	0.22	2.2	5.8	0.18	5	5.2	5.7
STD DS8	Standard	17	119	0.62	288	0.126	2	0.97	0.091	0.42	3.2	0.20	2.3	5.7	0.16	5	5.2	5.0
STD DS8	Standard	16	115	0.58	266	0.126	<1	0.88	0.087	0.40	2.8	0.18	2.5	5.2	0.16	5	4.7	4.4
STD DS8	Standard	14	104	0.54	256	0.102	3	0.82	0.077	0.37	3.3	0.16	2.4	5.2	0.16	5	6.2	6.0
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



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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

Submitted By: Mike Skead
Receiving Lab: Canada-Whitehorse
Received: August 05, 2011
Report Date: September 01, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS

WHI11001105.1

CLIENT JOB INFORMATION

Project: PDM
Shipment ID:
P.O. Number
Number of Samples: 192

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	192	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	192	Dry at 60C			VAN
1DX2	192	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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September 01, 2011

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Part 1

CERTIFICATE OF ANALYSIS

WHI11001105.1

	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
1156195	Soil	3.4	47.2	22.1	211	0.1	34.1	18.7	1497	3.77	13.9	1.0	0.8	1.2	28	1.2	1.9	0.5	62	0.11	0.160
1156198	Soil	2.3	16.4	19.1	106	<0.1	16.3	8.1	261	2.92	12.5	0.5	<0.5	3.6	8	0.5	1.2	0.3	52	0.03	0.045
1156211	Soil	1.1	66.1	24.3	85	0.4	40.7	14.1	659	2.67	6.6	2.5	2.5	4.3	178	1.2	0.7	0.3	25	1.44	0.048
1156212	Soil	2.5	24.5	20.3	85	0.1	23.1	8.9	225	3.00	10.3	0.5	2.1	2.6	10	0.3	1.4	0.3	43	0.05	0.024
1156214	Soil	2.1	125.3	123.6	186	1.4	138.2	8.8	796	2.11	11.1	16.7	3.5	1.4	191	3.2	1.4	0.2	32	1.68	0.085
1156191	Soil	3.6	40.3	15.9	110	0.1	25.6	7.9	205	3.64	18.2	0.8	5.8	2.6	14	0.4	2.3	0.3	69	0.06	0.061
1156193	Soil	5.0	79.3	23.6	314	0.1	39.8	19.0	1720	3.44	10.2	1.5	1.2	1.8	47	2.1	1.5	0.4	67	0.14	0.150
1156194	Soil	4.5	40.3	27.7	291	0.1	29.2	13.9	888	3.43	10.8	1.2	3.0	0.7	35	4.3	1.7	0.4	60	0.07	0.126
1156196	Soil	2.3	31.9	19.4	105	0.1	32.5	10.3	339	2.57	13.6	0.9	1.7	4.1	16	0.2	1.5	0.3	49	0.08	0.035
1156197	Soil	2.7	36.6	22.2	139	0.1	37.8	15.7	481	3.67	15.1	0.8	<0.5	3.6	20	0.5	1.5	0.4	49	0.13	0.072
1156188	Soil	2.4	26.8	11.0	56	0.1	13.8	6.9	582	1.91	9.8	0.8	3.0	0.2	17	0.3	1.2	0.2	44	0.04	0.063
1156190	Soil	3.3	30.2	13.8	88	0.2	20.5	6.4	332	2.86	12.6	0.8	1.1	0.6	18	0.3	1.7	0.3	61	0.05	0.074
1156189	Soil	3.2	24.0	18.0	77	<0.1	18.0	7.2	502	2.65	12.9	0.8	3.8	0.9	14	0.2	1.4	0.3	62	0.06	0.063
1156187	Soil	3.8	47.3	15.0	117	0.2	28.9	11.1	513	3.30	17.2	0.9	3.2	1.3	16	0.6	2.0	0.3	51	0.04	0.051
1156192	Soil	5.2	50.4	14.7	105	0.2	23.4	6.4	219	3.13	16.0	1.4	4.8	1.6	26	0.3	2.1	0.2	64	0.07	0.083
1156208	Soil	0.6	12.2	13.7	55	<0.1	14.3	8.6	422	1.90	3.5	0.5	<0.5	4.6	52	<0.1	0.2	0.3	18	0.31	0.014
1156201	Soil	1.5	22.0	15.3	319	0.3	21.1	9.3	496	1.87	6.9	1.5	2.3	3.0	56	3.6	0.9	0.2	38	0.53	0.025
1156204	Soil	3.4	33.4	16.8	133	0.2	21.0	12.0	358	2.22	9.3	1.3	<0.5	2.1	77	1.7	2.4	0.2	25	0.84	0.036
1156202	Soil	4.0	48.3	29.9	176	0.3	23.9	9.6	294	2.69	15.5	1.8	5.6	4.8	57	1.0	3.1	0.3	25	0.51	0.069
1156203	Soil	1.3	26.9	15.9	91	0.2	15.7	8.2	330	1.78	5.7	1.1	<0.5	2.4	75	1.1	1.0	0.2	23	0.91	0.033
1156213	Soil	1.5	26.6	7.7	90	0.2	25.7	8.2	194	1.58	7.3	1.0	1.1	3.3	56	0.2	0.9	0.1	37	0.46	0.087
1156210	Soil	1.6	49.9	25.0	104	0.3	37.1	13.6	547	2.69	8.3	1.3	3.3	4.2	112	0.3	1.2	0.3	27	0.78	0.063
1156209	Soil	0.5	20.9	8.1	38	0.1	15.3	5.4	194	1.24	2.6	1.0	2.0	1.4	172	0.1	0.5	0.1	18	1.16	0.033
1156205	Soil	17.3	68.6	19.5	212	0.2	49.7	19.1	624	5.19	29.4	2.6	1.3	4.3	50	1.3	4.2	0.2	40	0.63	0.058
1156206	Soil	2.8	37.2	15.2	139	0.3	27.6	12.5	330	2.41	8.2	1.6	0.6	3.0	60	1.2	1.6	0.2	28	0.91	0.053
1156215	Soil	0.3	31.9	5.6	51	0.4	23.2	2.3	121	0.49	1.3	1.8	<0.5	0.4	94	1.9	0.2	0.1	17	0.78	0.033
1156216	Soil	3.0	22.3	13.3	161	0.1	25.0	7.4	179	2.81	15.7	0.7	1.3	3.4	19	0.5	1.5	0.3	65	0.08	0.058
1156217	Soil	1.9	35.2	13.5	86	0.5	23.1	7.8	207	1.70	9.8	0.6	1.8	2.9	39	0.5	1.3	0.3	49	0.26	0.029
1156218	Soil	2.2	42.9	11.7	107	0.3	28.3	10.9	355	2.03	11.8	0.8	2.3	1.8	63	1.0	1.9	0.2	42	0.29	0.058
1156207	Soil	1.3	55.2	11.0	97	0.3	29.0	9.6	393	2.01	5.6	3.0	1.9	2.0	130	0.8	0.9	0.2	32	1.29	0.045



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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
1156195	Soil	17	28	0.42	368	0.014	2	1.53	0.006	0.11	0.2	0.02	1.9	0.1	<0.05	6	0.6	<0.2
1156198	Soil	23	21	0.28	170	0.006	2	1.46	0.004	0.07	0.2	0.01	1.6	0.1	<0.05	5	<0.5	<0.2
1156211	Soil	14	21	0.33	523	0.005	4	1.21	0.007	0.12	<0.1	0.16	4.2	0.2	0.05	4	1.3	<0.2
1156212	Soil	8	20	0.24	223	0.003	2	1.30	0.003	0.08	<0.1	0.04	1.9	0.1	<0.05	4	0.9	<0.2
1156214	Soil	12	17	0.32	415	0.007	5	0.99	0.013	0.12	<0.1	0.28	2.7	0.2	0.12	3	3.5	<0.2
1156191	Soil	15	28	0.35	120	0.026	2	1.47	0.004	0.07	0.5	0.02	2.0	0.2	<0.05	5	1.1	<0.2
1156193	Soil	19	22	0.32	350	0.021	2	1.45	0.008	0.11	0.2	0.03	2.5	0.1	<0.05	5	0.8	<0.2
1156194	Soil	20	21	0.29	269	0.012	2	1.36	0.004	0.11	0.2	0.02	1.3	0.1	<0.05	5	0.7	<0.2
1156196	Soil	19	24	0.38	291	0.009	2	1.38	0.004	0.11	0.2	0.03	2.2	0.2	<0.05	4	0.7	<0.2
1156197	Soil	23	28	0.51	268	0.013	3	1.62	0.005	0.12	0.2	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
1156188	Soil	11	13	0.13	120	0.013	1	0.88	0.010	0.05	0.2	0.03	0.6	0.1	<0.05	4	0.7	<0.2
1156190	Soil	16	24	0.24	114	0.016	2	1.05	0.004	0.08	0.4	0.02	1.0	0.1	<0.05	4	0.6	<0.2
1156189	Soil	15	24	0.29	125	0.018	2	1.22	0.004	0.07	0.3	0.02	1.3	0.2	<0.05	5	0.9	<0.2
1156187	Soil	13	22	0.31	173	0.016	2	1.17	0.004	0.08	0.2	0.03	1.5	0.2	<0.05	4	1.3	<0.2
1156192	Soil	15	24	0.33	146	0.020	2	1.31	0.005	0.08	0.4	0.03	1.5	0.2	<0.05	5	1.3	<0.2
1156208	Soil	33	15	0.26	172	0.007	1	0.82	0.012	0.10	<0.1	0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1156201	Soil	16	19	0.36	279	0.020	3	0.99	0.007	0.09	0.2	0.04	2.2	0.1	<0.05	3	1.1	<0.2
1156204	Soil	19	11	0.18	226	0.005	2	0.80	0.017	0.08	<0.1	0.07	3.0	<0.1	<0.05	2	1.4	<0.2
1156202	Soil	28	14	0.25	232	0.007	2	0.81	0.008	0.09	<0.1	0.08	2.8	0.1	<0.05	3	1.6	<0.2
1156203	Soil	21	12	0.19	235	0.005	2	0.89	0.017	0.09	<0.1	0.04	1.7	0.1	<0.05	3	1.2	<0.2
1156213	Soil	15	19	0.36	309	0.026	2	0.90	0.008	0.08	0.2	0.05	1.7	0.1	<0.05	3	0.6	<0.2
1156210	Soil	17	21	0.34	424	0.005	4	1.14	0.006	0.15	<0.1	0.13	3.5	0.2	<0.05	4	0.8	<0.2
1156209	Soil	9	10	0.19	212	0.009	5	0.75	0.020	0.09	<0.1	0.04	1.3	<0.1	<0.05	2	0.6	<0.2
1156205	Soil	30	22	0.55	185	0.003	3	1.28	0.007	0.10	<0.1	0.04	5.3	0.2	<0.05	4	2.6	<0.2
1156206	Soil	24	15	0.34	205	0.006	3	1.04	0.009	0.11	<0.1	0.07	2.7	0.1	<0.05	3	1.4	<0.2
1156215	Soil	5	6	0.10	175	0.013	1	0.54	0.032	0.06	<0.1	0.03	0.8	<0.1	0.06	2	1.0	<0.2
1156216	Soil	15	25	0.33	201	0.012	1	1.40	0.005	0.10	0.2	0.02	1.9	0.2	<0.05	5	0.7	<0.2
1156217	Soil	15	15	0.21	190	0.021	2	0.86	0.009	0.08	0.1	0.01	1.3	0.2	<0.05	3	0.5	<0.2
1156218	Soil	12	20	0.30	259	0.034	<1	0.95	0.020	0.17	<0.1	0.03	1.5	0.2	0.10	3	1.5	<0.2
1156207	Soil	16	21	0.40	288	0.014	4	1.20	0.012	0.12	0.2	0.09	2.9	0.2	0.06	4	1.4	<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
1159123	Soil	20.9	50.2	21.3	90	0.7	19.6	4.3	142	2.80	91.9	5.4	5.6	0.5	38	0.3	9.1	1.1	120	0.08	0.119
1159124	Soil	6.5	65.3	11.3	43	0.3	19.3	4.2	77	4.18	261.2	2.2	19.6	3.6	15	0.4	3.1	3.8	63	0.10	0.138
1159125	Soil	3.2	11.9	4.0	14	0.1	3.4	1.4	43	1.20	40.6	0.7	2.1	0.2	7	<0.1	0.7	1.3	49	0.06	0.038
1159126	Soil	7.9	38.7	18.2	113	0.2	26.1	7.6	206	3.18	150.1	2.1	9.1	1.0	49	0.5	6.4	1.4	83	0.14	0.117
1159132	Soil	3.8	40.3	13.3	79	0.2	21.4	5.8	165	2.79	61.7	1.1	3.8	0.7	24	0.2	2.4	0.9	61	0.06	0.054
1156200	Soil	1.8	32.0	31.0	139	0.2	27.5	14.3	395	3.91	18.6	0.7	0.8	7.6	25	0.5	1.4	0.4	20	0.10	0.031
1156199	Soil	1.4	14.8	11.6	85	<0.1	13.3	8.9	385	3.14	6.1	0.8	3.8	3.2	17	0.4	0.6	0.3	35	0.10	0.050
1159118	Soil	3.4	140.9	47.1	177	2.2	31.7	6.1	187	7.98	264.8	1.2	18.6	3.1	32	0.9	9.1	18.8	55	0.05	0.116
1159122	Soil	5.1	24.7	8.1	36	0.3	8.0	2.1	63	1.84	67.3	1.9	3.8	<0.1	15	0.1	1.8	1.2	51	0.06	0.077
1159117	Soil	26.9	97.9	9.4	323	0.7	62.5	25.3	395	17.23	110.5	5.8	6.1	4.5	572	2.3	6.1	1.2	42	0.92	0.161
1159116	Soil	3.8	50.0	18.6	174	1.0	41.1	17.8	172	7.72	157.0	1.6	108.5	3.9	78	0.7	3.5	50.9	23	0.33	0.147
1152401	Soil	2.8	160.6	16.6	510	1.3	51.0	22.7	3310	5.28	149.9	0.9	5.6	1.2	70	3.3	2.9	10.2	32	0.34	0.076
1159119	Soil	1.2	182.1	118.3	319	0.7	81.8	25.9	2813	6.14	106.5	0.6	13.5	3.7	101	1.5	5.8	1.5	40	0.07	0.058
1159121	Soil	54.4	38.7	45.0	170	1.7	23.4	1.7	64	4.11	120.5	8.7	4.2	5.6	41	0.3	16.5	1.9	153	0.03	0.119
1159120	Soil	49.5	30.3	13.5	74	0.6	6.8	1.3	34	2.08	203.5	9.4	5.1	0.2	76	0.4	12.5	6.6	160	0.05	0.131
1159135	Soil	2.5	37.8	7.9	31	0.3	9.2	3.0	66	1.25	39.0	1.1	8.0	<0.1	7	0.3	0.8	0.6	32	0.03	0.062
1159144	Soil	4.7	34.5	15.6	94	0.1	24.5	5.2	187	3.17	36.4	1.0	10.5	1.0	16	0.3	3.0	0.6	54	0.05	0.054
1159143	Soil	6.9	47.0	20.9	107	0.1	29.0	6.9	252	3.63	54.0	1.4	9.9	1.5	18	0.3	4.1	0.7	66	0.05	0.061
1159139	Soil	2.0	25.8	9.6	61	0.1	15.9	4.4	125	2.21	30.3	0.7	2.0	1.0	11	0.1	1.2	0.4	39	0.07	0.051
1159148	Soil	2.9	19.3	9.6	74	0.1	16.7	4.7	160	2.73	27.4	0.8	6.6	0.6	11	0.2	1.1	0.5	58	0.08	0.056
1159136	Soil	2.6	28.2	7.9	51	0.2	15.5	4.0	89	1.64	38.8	0.9	5.5	0.1	9	0.2	1.1	0.5	45	0.04	0.047
1159127	Soil	7.8	23.9	9.2	50	<0.1	11.3	3.7	118	2.70	61.8	1.5	6.2	0.5	13	0.1	1.4	1.7	84	0.09	0.052
1159134	Soil	4.5	30.0	11.5	60	<0.1	15.2	3.6	103	3.01	83.2	1.1	3.9	0.3	16	0.2	1.9	1.4	76	0.05	0.052
1159137	Soil	3.9	32.7	15.0	91	0.2	21.0	6.4	238	3.07	37.0	1.0	5.7	0.3	18	0.3	1.8	0.6	58	0.04	0.052
1159129	Soil	1.9	12.2	4.7	18	0.2	3.4	1.5	48	0.82	18.6	0.6	2.4	<0.1	6	<0.1	0.4	0.5	25	0.02	0.044
1159130	Soil	0.6	6.3	2.7	12	0.1	2.0	1.0	22	0.46	4.8	0.2	1.6	<0.1	6	<0.1	0.2	0.2	18	0.03	0.018
1159131	Soil	5.7	41.1	17.4	95	0.2	21.7	6.3	190	4.29	74.5	1.1	11.0	0.6	24	0.3	2.8	1.0	82	0.04	0.060
1159150	Soil	5.8	14.1	7.5	31	0.1	6.9	2.5	132	1.81	76.8	0.9	6.9	0.2	10	0.1	1.5	1.3	72	0.04	0.048
1159128	Soil	5.9	23.4	7.3	38	0.3	8.8	3.3	209	2.49	101.4	1.1	2.3	0.4	7	0.1	1.2	2.0	79	0.05	0.068
1159133	Soil	2.0	9.8	4.8	25	0.4	4.9	2.1	57	1.25	38.2	0.5	3.1	0.1	9	<0.1	0.7	0.7	53	0.03	0.025



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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
1159123	Soil	16	26	0.43	336	0.036	<1	1.51	0.018	0.09	0.2	0.06	1.3	0.7	0.12	6	5.1	<0.2
1159124	Soil	12	40	0.29	227	0.066	<1	3.83	0.006	0.05	0.6	0.12	3.7	0.2	0.14	8	3.3	0.3
1159125	Soil	8	13	0.11	43	0.045	<1	0.79	0.014	0.03	0.2	0.02	0.5	0.1	<0.05	6	<0.5	<0.2
1159126	Soil	13	46	0.59	540	0.037	<1	3.32	0.018	0.07	0.1	0.07	2.0	0.4	0.12	8	2.6	<0.2
1159132	Soil	15	25	0.34	152	0.029	<1	1.66	0.007	0.07	0.3	0.03	1.3	0.2	<0.05	6	1.4	<0.2
1156200	Soil	45	21	0.40	154	0.003	2	1.42	0.006	0.11	<0.1	0.01	2.0	0.1	<0.05	4	0.6	<0.2
1156199	Soil	32	15	0.17	342	0.005	4	1.04	0.005	0.08	0.1	<0.01	1.3	<0.1	<0.05	4	0.5	<0.2
1159118	Soil	13	36	0.29	206	0.037	2	1.80	0.016	0.21	0.2	0.19	2.8	0.3	0.36	7	8.9	0.5
1159122	Soil	11	21	0.24	154	0.013	2	1.43	0.010	0.05	0.1	0.02	0.4	0.3	<0.05	6	1.3	<0.2
1159117	Soil	4	20	0.33	179	0.016	2	6.18	0.032	0.22	0.2	0.06	2.0	0.7	0.78	6	9.1	<0.2
1159116	Soil	8	18	0.36	319	0.038	2	3.98	0.076	0.06	0.4	0.09	2.2	0.2	0.35	9	11.9	0.9
1152401	Soil	10	21	0.44	1631	0.028	3	1.81	0.011	0.07	0.2	0.10	1.9	0.3	0.07	6	3.2	0.2
1159119	Soil	24	17	0.39	>10000	0.019	3	2.61	0.016	0.08	0.1	0.08	7.0	0.2	<0.05	5	1.5	0.2
1159121	Soil	19	24	0.50	354	0.126	2	1.23	0.023	0.24	0.1	0.17	2.0	2.6	0.46	6	17.0	0.3
1159120	Soil	29	11	0.03	350	0.004	2	0.53	0.010	0.11	0.4	0.04	0.4	0.4	0.18	3	6.5	0.4
1159135	Soil	9	10	0.10	96	0.007	1	1.06	0.010	0.04	0.5	0.03	0.4	0.1	0.05	3	<0.5	<0.2
1159144	Soil	16	27	0.36	183	0.033	1	1.36	0.005	0.07	0.1	0.03	1.6	0.3	<0.05	5	1.4	<0.2
1159143	Soil	18	32	0.49	257	0.042	2	1.76	0.005	0.07	0.1	0.05	2.3	0.3	<0.05	5	1.0	<0.2
1159139	Soil	12	19	0.24	112	0.019	<1	1.13	0.004	0.05	0.2	0.04	1.3	0.1	<0.05	4	<0.5	<0.2
1159148	Soil	12	26	0.30	126	0.024	2	1.45	0.004	0.06	0.2	0.02	1.3	0.2	<0.05	6	1.5	<0.2
1159136	Soil	11	16	0.19	106	0.014	2	1.21	0.008	0.05	0.2	0.02	0.5	0.2	<0.05	4	1.3	<0.2
1159127	Soil	11	36	0.48	116	0.048	2	1.51	0.009	0.07	0.2	0.03	1.7	0.2	<0.05	9	1.4	<0.2
1159134	Soil	14	25	0.27	129	0.032	2	1.36	0.007	0.08	0.2	0.02	1.0	0.2	<0.05	8	1.2	0.2
1159137	Soil	14	25	0.26	149	0.017	2	1.47	0.004	0.07	0.2	0.02	0.8	0.2	<0.05	5	0.6	<0.2
1159129	Soil	5	6	0.04	45	0.009	<1	0.61	0.012	0.03	0.1	0.02	0.3	0.1	<0.05	3	<0.5	<0.2
1159130	Soil	3	4	0.03	30	0.016	<1	0.39	0.016	0.02	0.2	<0.01	0.4	<0.1	<0.05	3	0.6	<0.2
1159131	Soil	14	24	0.23	177	0.036	<1	1.45	0.007	0.08	0.2	0.03	1.3	0.2	0.06	7	1.8	<0.2
1159150	Soil	10	23	0.24	83	0.035	1	0.91	0.011	0.04	0.1	0.01	0.7	0.2	0.07	8	1.3	<0.2
1159128	Soil	8	33	0.34	172	0.035	1	1.28	0.006	0.06	0.8	0.04	1.1	0.2	<0.05	11	1.0	<0.2
1159133	Soil	10	12	0.14	113	0.035	<1	0.57	0.010	0.05	0.1	0.01	0.6	0.1	<0.05	5	0.7	<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
1156417	Soil	3.9	80.9	28.5	137	0.6	19.9	7.7	317	5.08	14.8	0.9	4.0	1.7	34	0.3	2.6	0.4	44	0.03
1156419	Soil	2.9	26.6	11.1	72	0.2	11.9	3.4	123	1.52	10.8	0.3	2.7	0.1	15	<0.1	1.7	0.2	38	0.03
1156420	Soil	1.5	13.3	5.3	22	0.4	4.6	1.2	43	0.60	3.4	0.4	3.4	<0.1	13	<0.1	0.6	0.1	16	0.03
1156421	Soil	3.1	67.8	21.5	254	0.8	54.6	13.7	202	3.83	17.3	0.9	3.6	1.9	10	0.3	1.9	0.4	48	<0.01
1156423	Soil	2.0	22.7	9.4	113	0.5	23.5	5.7	475	1.58	7.3	0.4	4.1	0.2	7	0.6	1.1	0.3	32	0.03
1159147	Soil	3.1	21.5	9.7	80	0.2	19.9	5.4	164	2.65	27.5	0.8	4.3	0.6	12	0.2	1.1	0.5	58	0.10
1159146	Soil	2.1	29.9	8.5	75	<0.1	25.9	7.3	222	1.99	15.5	1.0	6.8	2.7	14	0.2	1.0	0.3	44	0.16
1156415	Soil	3.3	40.4	18.9	88	0.3	24.7	6.7	100	4.12	15.3	0.7	2.7	2.9	18	0.1	1.6	0.4	53	0.02
1156418	Soil	2.8	35.7	20.8	81	0.3	15.5	3.9	656	2.29	13.0	0.6	4.1	0.8	18	0.2	1.9	0.3	26	0.02
1156416	Soil	3.1	49.7	21.0	130	<0.1	42.6	13.1	195	5.02	19.4	0.8	3.7	0.4	22	0.2	2.6	0.4	48	0.03
1159141	Soil	4.0	48.4	16.7	102	0.1	28.0	6.9	179	2.93	53.0	1.2	6.1	1.3	18	0.3	2.7	0.6	51	0.05
1159138	Soil	3.5	35.2	15.4	107	0.1	25.4	7.4	213	3.35	38.6	0.9	4.4	1.4	17	0.2	1.7	0.6	60	0.06
1159142	Soil	3.8	39.6	13.8	82	0.1	20.9	5.5	162	2.49	42.0	1.0	1.8	0.4	17	0.2	2.2	0.5	53	0.04
1159140	Soil	3.1	33.7	13.3	82	0.1	22.5	6.7	195	2.16	28.9	0.9	2.0	0.6	15	0.2	1.6	0.5	49	0.09
1159145	Soil	1.6	34.5	9.8	81	0.1	29.0	8.1	245	2.25	13.0	1.4	3.9	3.6	16	0.2	1.1	0.2	45	0.18
1156278	Soil	0.3	8.9	1.4	11	0.2	1.7	0.8	18	0.35	1.3	0.1	<0.5	0.2	7	<0.1	0.2	<0.1	11	0.03
1061311	Soil	2.7	11.9	9.5	25	0.4	4.4	1.1	24	0.97	10.2	0.4	1.8	0.5	19	<0.1	2.1	0.2	50	0.01
1057997	Soil	3.2	20.9	12.8	76	<0.1	15.8	4.1	151	2.14	20.3	0.6	<0.5	1.4	11	0.1	1.5	0.5	75	0.06
1156254	Soil	2.1	13.6	5.1	39	<0.1	6.3	2.0	54	0.77	6.8	0.4	2.8	0.1	7	<0.1	0.8	0.2	31	0.02
1156255	Soil	1.7	26.9	10.9	40	0.4	13.1	3.1	98	1.66	15.7	1.1	0.8	0.2	9	0.1	0.6	0.5	42	0.04
1061312	Soil	1.8	16.5	12.7	45	2.5	7.7	2.4	80	1.83	11.7	0.4	6.8	1.4	10	0.1	1.6	0.3	58	0.04
1156251	Soil	4.5	41.6	14.4	82	0.3	18.4	4.3	139	3.57	76.8	0.9	7.0	3.9	14	0.2	2.9	1.2	83	0.03
1061313	Soil	2.9	25.3	12.6	55	0.3	11.0	2.4	59	1.86	12.6	0.4	7.6	1.6	21	<0.1	2.1	0.3	51	0.02
1156274	Soil	2.6	28.7	11.5	84	0.3	20.4	5.8	173	1.99	9.8	0.9	4.6	1.8	13	0.2	1.4	0.2	41	0.06
1156277	Soil	2.1	17.6	9.7	40	7.5	6.5	1.9	55	1.45	9.5	0.4	3.7	2.0	8	0.1	1.3	0.3	56	0.03
1156425	Soil	2.6	16.8	5.3	53	<0.1	11.6	2.7	45	0.79	8.2	0.3	4.6	0.2	9	<0.1	1.3	0.2	32	0.01
1156422	Soil	3.1	38.0	20.2	140	0.2	39.6	9.7	269	3.31	41.9	0.6	4.9	0.9	12	0.3	1.9	0.6	53	0.04
1156424	Soil	1.9	28.2	6.4	112	0.1	24.2	6.6	94	1.57	7.5	0.5	1.5	0.3	5	0.1	1.4	0.2	33	0.02
1156426	Soil	4.1	19.5	14.7	48	0.3	10.9	2.1	92	1.38	13.3	0.7	1.3	1.2	33	0.1	1.9	0.3	55	0.03
1156383	Soil	1.7	22.5	12.0	32	0.2	6.8	2.1	54	1.68	17.5	0.3	8.8	2.8	15	<0.1	1.4	0.4	58	0.02



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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
1156417	Soil	23	21	0.18	235	0.009	2	1.13	0.006	0.15	0.1	0.06	2.0	0.3	0.11	4	2.4	<0.2
1156419	Soil	17	8	0.02	137	0.005	2	0.50	0.009	0.07	<0.1	<0.01	0.4	0.2	0.07	3	2.0	<0.2
1156420	Soil	5	4	0.01	75	0.005	1	0.36	0.016	0.03	<0.1	0.01	0.3	<0.1	0.06	2	1.2	<0.2
1156421	Soil	32	12	0.03	133	0.004	<1	0.70	0.002	0.11	0.1	0.03	1.6	0.2	<0.05	3	1.6	<0.2
1156423	Soil	14	7	0.03	106	0.007	<1	0.55	0.010	0.06	<0.1	0.03	0.5	0.1	0.05	3	<0.5	<0.2
1159147	Soil	13	27	0.33	132	0.023	1	1.56	0.004	0.07	0.2	0.03	1.3	0.2	<0.05	6	1.5	<0.2
1159146	Soil	15	24	0.35	129	0.035	1	1.32	0.005	0.06	0.3	0.04	1.9	0.1	<0.05	3	<0.5	<0.2
1156415	Soil	28	18	0.10	150	0.006	2	1.15	0.003	0.10	<0.1	0.04	1.4	0.2	<0.05	6	1.6	0.2
1156418	Soil	22	10	0.05	192	0.004	2	0.67	0.009	0.11	<0.1	<0.01	0.5	0.3	0.06	3	2.2	<0.2
1156416	Soil	17	20	0.11	93	0.010	<1	0.94	0.003	0.07	<0.1	0.03	0.7	0.2	<0.05	5	2.1	<0.2
1159141	Soil	16	24	0.32	205	0.021	1	1.43	0.005	0.07	0.2	0.07	1.6	0.2	<0.05	4	1.2	<0.2
1159138	Soil	15	26	0.32	175	0.028	1	1.31	0.005	0.07	0.2	0.03	1.6	0.2	<0.05	5	1.0	<0.2
1159142	Soil	12	21	0.26	168	0.018	2	1.21	0.006	0.06	0.2	0.06	1.0	0.2	<0.05	5	1.1	<0.2
1159140	Soil	14	23	0.33	152	0.020	2	1.26	0.005	0.06	0.2	0.06	1.2	0.1	<0.05	5	0.7	<0.2
1159145	Soil	15	29	0.48	115	0.046	2	1.45	0.006	0.06	0.3	0.06	3.0	0.1	<0.05	4	<0.5	<0.2
1156278	Soil	2	3	0.02	60	0.017	1	0.37	0.020	0.02	<0.1	0.02	0.2	<0.1	<0.05	1	<0.5	<0.2
1061311	Soil	5	9	0.04	348	0.006	2	0.37	0.002	0.05	<0.1	0.05	0.9	<0.1	<0.05	3	0.9	<0.2
1057997	Soil	12	17	0.20	113	0.032	3	0.95	0.004	0.12	0.2	0.02	1.4	0.2	<0.05	6	0.6	<0.2
1156254	Soil	9	7	0.05	104	0.010	1	0.50	0.007	0.05	0.1	0.01	0.3	<0.1	<0.05	4	0.5	<0.2
1156255	Soil	6	19	0.19	171	0.006	2	1.42	0.009	0.07	0.1	0.08	0.4	0.2	<0.05	4	1.3	<0.2
1061312	Soil	7	18	0.09	142	0.022	4	1.17	0.008	0.05	0.2	0.10	1.6	0.1	<0.05	5	1.0	<0.2
1156251	Soil	15	29	0.37	183	0.055	3	1.52	0.006	0.16	0.3	0.02	2.0	0.3	<0.05	7	2.1	<0.2
1061313	Soil	6	16	0.09	342	0.008	3	0.82	0.003	0.05	0.1	0.08	2.0	0.1	<0.05	3	0.6	<0.2
1156274	Soil	9	16	0.17	269	0.007	2	1.12	0.005	0.06	0.2	0.12	1.8	0.1	<0.05	3	0.9	<0.2
1156277	Soil	11	13	0.04	163	0.014	1	0.89	0.004	0.04	0.2	0.13	1.2	0.1	<0.05	4	0.9	<0.2
1156425	Soil	16	5	0.02	79	0.005	3	0.32	0.006	0.05	<0.1	0.02	0.5	0.1	<0.05	3	<0.5	<0.2
1156422	Soil	20	14	0.08	114	0.010	2	0.82	0.004	0.08	0.2	0.02	1.4	0.2	0.05	4	1.6	<0.2
1156424	Soil	13	5	0.02	55	0.004	3	0.38	0.010	0.05	0.1	0.02	0.7	<0.1	<0.05	2	0.6	<0.2
1156426	Soil	15	22	0.23	216	0.032	2	1.01	0.004	0.15	0.1	0.03	1.8	0.3	0.05	5	1.2	<0.2
1156383	Soil	8	12	0.05	195	0.019	1	0.58	0.004	0.03	0.1	0.05	1.5	<0.1	<0.05	5	0.6	<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
1152202	Soil	13.2	309.3	433.3	733	2.1	164.1	13.6	714	9.02	54.9	2.3	19.3	0.7	165	2.4	12.7	0.3	125	0.05	0.208
1152205	Soil	6.0	58.2	26.1	153	0.9	38.5	12.7	446	2.87	13.3	1.7	6.3	1.6	30	1.0	3.6	0.2	62	0.05	0.061
1152204	Soil	14.9	57.1	20.4	61	2.0	13.3	1.5	76	1.46	9.8	2.9	5.2	0.5	84	0.5	5.9	0.2	91	0.06	0.135
1152206	Soil	8.8	139.9	44.0	468	0.8	126.2	22.7	628	7.35	23.7	1.7	10.6	3.9	44	1.1	24.3	0.3	48	0.03	0.128
1152207	Soil	3.8	49.2	27.5	142	0.3	31.8	8.6	317	3.68	39.8	0.9	2.2	3.2	22	0.5	3.0	0.8	60	0.05	0.084
1057996	Soil	1.7	13.9	7.2	37	<0.1	6.6	2.0	75	1.40	15.0	0.5	2.7	0.5	8	0.1	0.8	0.3	44	0.04	0.028
1156257	Soil	2.8	23.9	11.4	89	<0.1	22.6	5.7	135	2.26	10.9	0.5	0.8	1.0	8	0.1	1.4	0.3	54	0.03	0.051
1156253	Soil	2.7	25.4	12.9	82	0.1	16.6	4.5	133	2.82	52.6	0.6	2.0	2.8	10	0.2	1.5	0.8	73	0.04	0.049
1156252	Soil	3.1	31.8	12.6	94	0.2	22.0	5.7	165	3.27	38.7	0.8	3.2	4.5	10	0.3	1.8	0.7	62	0.05	0.051
1152203	Soil	13.6	48.3	23.2	69	4.3	16.7	1.1	55	2.59	17.7	3.7	7.0	0.6	153	0.9	5.7	0.2	126	0.47	0.495
1057999	Soil	2.1	11.8	7.0	36	0.3	6.3	1.9	58	0.96	11.6	0.4	1.2	0.3	7	<0.1	0.9	0.3	44	0.02	0.024
1087735	Soil	1.4	20.4	3.8	30	0.6	4.3	1.3	29	0.95	8.4	0.3	1.6	0.5	8	<0.1	1.1	0.2	52	0.02	0.016
1156256	Soil	3.0	29.7	14.2	109	0.8	27.2	8.0	192	2.76	12.2	0.7	8.5	3.7	12	0.5	1.5	0.3	50	0.04	0.046
1058000	Soil	2.3	17.0	9.7	48	0.1	8.9	2.7	66	1.39	14.0	0.4	<0.5	0.6	7	0.1	1.5	0.4	53	0.02	0.028
1057998	Soil	3.0	16.4	10.7	64	<0.1	11.7	3.1	103	2.18	18.4	0.5	1.2	1.5	9	<0.1	1.4	0.3	78	0.03	0.035
1152218	Soil	5.0	39.8	13.7	68	0.4	13.8	3.5	142	3.10	12.5	0.6	2.5	0.4	18	0.2	1.4	0.3	50	0.04	0.057
1152219	Soil	8.6	106.8	42.5	129	0.5	28.3	11.3	480	5.32	25.1	2.7	3.7	4.0	61	0.4	2.5	0.5	58	0.04	0.137
1152222	Soil	3.4	56.0	15.9	150	0.2	42.7	14.9	1307	2.63	10.7	1.4	7.4	2.8	12	1.7	1.4	0.2	59	0.07	0.042
1152221	Soil	7.1	114.6	29.0	357	1.3	58.0	6.2	402	4.28	61.0	0.9	10.9	0.2	19	0.9	9.7	0.2	73	0.02	0.095
1152214	Soil	2.0	35.7	15.0	81	0.5	19.6	6.0	345	2.35	9.0	0.6	5.6	1.4	9	0.2	1.2	0.2	58	0.07	0.042
1152213	Soil	2.8	41.1	16.8	95	0.5	23.4	7.5	397	2.78	10.7	0.6	5.8	2.0	11	0.3	1.5	0.2	68	0.07	0.049
1152215	Soil	1.4	23.3	7.6	42	0.2	9.1	6.1	380	1.34	5.7	0.4	1.2	<0.1	7	0.5	0.7	0.2	28	0.03	0.039
1152216	Soil	5.3	111.4	27.7	171	0.1	36.1	12.5	609	4.14	11.4	0.9	5.2	3.6	34	0.7	3.2	0.3	27	0.02	0.045
1152217	Soil	4.8	93.3	18.8	141	0.5	41.2	9.7	278	4.52	14.6	0.9	3.7	4.4	33	0.3	2.2	0.4	52	0.02	0.064
1152220	Soil	5.2	50.2	13.6	127	0.6	26.7	8.5	541	3.19	12.0	0.8	6.4	1.0	17	0.4	1.9	0.3	52	0.03	0.053
1152209	Soil	4.1	14.4	13.7	35	0.6	5.3	1.8	88	1.05	9.3	0.4	2.7	<0.1	17	0.1	2.0	0.2	54	0.03	0.036
1152211	Soil	12.3	161.9	93.9	438	2.2	72.8	8.4	628	8.82	44.0	1.3	7.6	2.0	47	1.0	7.5	0.3	136	0.02	0.102
1152212	Soil	0.1	3.9	0.9	7	0.2	0.9	0.8	21	0.28	<0.5	0.1	<0.5	<0.1	9	<0.1	<0.1	<0.1	11	0.08	0.035
1152208	Soil	1.9	29.2	21.6	114	0.3	18.2	8.0	388	2.34	14.2	0.5	1.1	1.1	18	0.3	1.8	0.4	37	0.04	0.072
1152210	Soil	5.1	80.7	35.0	259	0.5	43.3	7.3	568	3.91	18.2	0.8	<0.5	0.6	36	0.9	4.2	0.3	82	0.02	0.117



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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	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
1152202	Soil	18	56	0.15	475	0.008	4	1.46	0.005	0.14	<0.1	0.13	4.4	0.4	0.22	5	7.5	0.4
1152205	Soil	18	23	0.22	320	0.014	3	1.02	0.004	0.13	0.2	0.07	1.9	0.3	0.10	3	4.1	<0.2
1152204	Soil	19	20	0.09	578	0.004	3	0.59	0.005	0.15	0.1	0.25	1.2	0.7	0.18	2	10.3	<0.2
1152206	Soil	21	20	0.12	168	0.004	1	0.89	0.003	0.13	<0.1	0.04	3.7	0.3	0.09	2	3.4	<0.2
1152207	Soil	17	22	0.25	163	0.031	2	1.14	0.004	0.12	0.3	0.03	2.1	0.3	<0.05	5	1.8	<0.2
1057996	Soil	12	12	0.12	92	0.018	2	0.82	0.008	0.05	0.2	0.02	0.8	0.2	<0.05	4	<0.5	<0.2
1156257	Soil	11	16	0.16	106	0.011	2	0.93	0.005	0.07	0.2	0.02	1.7	0.2	<0.05	5	1.1	<0.2
1156253	Soil	14	23	0.27	204	0.030	1	1.33	0.005	0.11	0.3	0.02	2.3	0.2	<0.05	6	0.8	<0.2
1156252	Soil	14	30	0.39	149	0.033	2	1.81	0.004	0.10	0.3	0.04	2.4	0.2	<0.05	5	1.2	<0.2
1152203	Soil	16	41	0.06	427	0.006	6	0.71	0.007	0.30	0.1	0.14	1.6	0.6	0.56	3	13.8	0.3
1057999	Soil	10	8	0.07	97	0.022	<1	0.53	0.006	0.06	0.1	0.01	0.9	0.1	<0.05	4	<0.5	<0.2
1087735	Soil	8	8	0.02	163	0.013	<1	0.35	0.006	0.03	<0.1	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1156256	Soil	12	22	0.26	162	0.011	2	1.28	0.004	0.08	0.1	0.06	2.3	0.2	<0.05	4	0.7	<0.2
1058000	Soil	12	12	0.11	132	0.012	<1	0.69	0.004	0.08	0.2	<0.01	0.9	0.2	<0.05	5	<0.5	<0.2
1057998	Soil	11	16	0.15	120	0.019	1	1.00	0.004	0.08	0.2	0.02	1.5	0.2	<0.05	6	0.5	<0.2
1152218	Soil	13	22	0.21	208	0.013	1	1.10	0.011	0.12	<0.1	0.03	1.2	0.2	0.09	5	1.3	<0.2
1152219	Soil	33	25	0.39	291	0.012	2	1.84	0.005	0.19	0.1	0.04	2.6	0.3	0.12	5	1.9	0.2
1152222	Soil	15	30	0.31	156	0.030	1	1.69	0.006	0.07	0.2	0.05	2.7	0.1	<0.05	5	1.7	<0.2
1152221	Soil	9	28	0.04	71	0.005	2	0.47	0.011	0.05	<0.1	0.03	1.2	<0.1	<0.05	2	13.9	0.3
1152214	Soil	13	21	0.18	81	0.021	<1	0.98	0.006	0.06	0.3	0.02	1.5	<0.1	<0.05	5	0.6	<0.2
1152213	Soil	15	24	0.22	99	0.026	1	1.20	0.006	0.07	0.4	0.02	1.6	0.1	<0.05	6	0.9	<0.2
1152215	Soil	6	8	0.06	101	0.006	<1	0.77	0.014	0.05	<0.1	0.02	0.6	<0.1	<0.05	3	<0.5	<0.2
1152216	Soil	18	17	0.50	260	0.007	1	1.95	0.004	0.19	<0.1	0.01	3.5	0.3	0.06	4	<0.5	<0.2
1152217	Soil	19	28	0.46	247	0.011	1	1.94	0.005	0.15	<0.1	0.03	2.5	0.3	0.09	6	1.7	<0.2
1152220	Soil	15	25	0.30	180	0.012	1	1.27	0.005	0.12	0.1	0.03	1.6	0.2	0.08	4	1.6	<0.2
1152209	Soil	8	9	0.06	106	0.008	<1	0.65	0.014	0.06	<0.1	0.02	0.6	0.1	<0.05	3	1.0	<0.2
1152211	Soil	16	61	0.20	212	0.021	4	1.27	0.004	0.12	0.1	0.04	3.6	0.2	0.08	6	5.9	0.3
1152212	Soil	2	2	0.02	18	0.018	2	0.42	0.032	0.04	<0.1	<0.01	2.0	<0.1	<0.05	2	<0.5	<0.2
1152208	Soil	11	14	0.20	116	0.020	3	0.87	0.013	0.11	0.1	0.03	1.4	0.1	0.07	4	1.5	<0.2
1152210	Soil	15	24	0.24	196	0.009	4	1.09	0.005	0.11	<0.1	0.03	1.3	0.2	0.09	4	3.2	<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
1156349	Soil	3.0	38.3	34.9	126	0.4	23.2	6.2	153	3.10	11.1	0.7	<0.5	1.4	12	0.4	2.5	0.4	67	0.03	0.048
1156350	Soil	10.0	236.8	44.9	468	0.3	101.3	14.7	543	6.03	41.7	3.6	4.4	0.7	70	1.8	8.6	0.3	56	0.04	0.181
1152120	Soil	1.2	19.8	18.4	99	<0.1	17.9	7.9	208	2.54	7.5	0.6	<0.5	3.3	9	0.4	0.8	0.3	35	0.06	0.059
1152122	Soil	1.5	16.7	16.5	98	0.2	16.6	7.3	319	2.35	8.4	0.7	<0.5	1.4	21	0.3	0.9	0.2	43	0.21	0.057
1152114	Soil	32.8	129.9	34.5	276	0.6	58.6	10.5	294	5.25	45.8	3.9	6.9	0.5	68	0.5	7.6	0.4	80	0.06	0.111
1156348	Soil	5.5	95.2	104.4	358	0.4	72.1	27.6	1065	3.70	10.0	1.0	1.3	3.9	9	1.5	2.8	0.5	53	0.03	0.066
1152201	Soil	3.0	807.9	56.6	948	1.3	363.9	56.3	6541	11.93	19.5	1.6	17.0	1.9	27	10.8	8.1	0.2	130	0.05	0.145
1156344	Soil	6.8	91.4	29.2	94	0.6	8.4	2.4	153	4.79	16.4	1.3	2.2	8.3	101	0.2	15.3	0.6	96	0.05	0.100
1156345	Soil	3.0	83.8	23.7	136	0.3	26.6	8.0	378	4.96	9.4	0.9	2.0	6.5	72	0.2	6.4	0.4	103	0.07	0.051
1156347	Soil	4.7	74.4	85.1	216	0.2	98.4	71.4	1821	4.40	12.6	0.8	2.1	0.6	16	0.8	3.9	0.4	58	0.07	0.088
1156340	Soil	5.4	117.1	16.7	117	1.6	35.8	4.6	108	5.04	53.2	1.3	7.7	4.3	9	0.4	11.6	0.3	75	0.03	0.081
1156341	Soil	2.3	47.8	11.9	69	0.5	11.1	2.9	94	2.41	14.6	0.7	3.0	1.6	19	0.3	2.2	0.1	43	0.07	0.069
1156342	Soil	4.3	93.1	26.7	167	0.4	46.4	7.8	287	5.73	20.3	1.7	4.1	5.2	88	0.2	5.4	0.4	82	0.04	0.147
1156343	Soil	5.5	66.4	18.7	100	0.3	24.4	3.7	159	4.00	57.4	1.2	0.8	2.3	59	0.2	6.4	0.4	93	0.05	0.094
1156346	Soil	11.2	87.9	25.4	403	0.7	109.8	19.5	363	6.48	26.8	1.4	3.3	3.9	18	0.5	9.1	0.2	72	0.05	0.120
1152103	Soil	1.1	47.0	32.3	99	0.2	25.9	12.0	321	4.66	32.7	2.1	<0.5	4.2	33	0.4	12.2	1.3	38	0.08	0.083
1152106	Soil	5.6	103.8	33.6	209	0.2	56.0	55.4	1429	5.17	19.3	2.8	0.5	1.5	21	0.8	3.3	0.7	53	0.11	0.139
1152121	Soil	1.8	20.3	17.0	139	0.2	17.9	9.0	344	2.50	7.4	0.5	<0.5	1.0	20	0.7	1.0	0.3	39	0.18	0.073
1152112	Soil	0.6	58.9	29.4	113	0.2	220.5	48.4	787	5.99	18.7	0.3	1.0	0.8	295	0.4	4.4	0.1	118	0.47	0.028
1152108	Soil	1.2	32.7	30.0	38	0.2	24.0	15.1	2393	2.89	18.4	0.8	<0.5	4.2	804	0.4	1.7	0.2	63	6.93	0.042
1152119	Soil	1.7	29.5	21.5	124	0.2	24.8	10.3	324	3.08	12.1	0.7	0.8	2.0	12	0.4	1.3	0.4	43	0.10	0.068
1152125	Soil	0.5	35.1	10.9	75	0.4	19.4	5.0	306	1.08	2.9	4.6	1.6	1.0	263	0.6	0.7	0.2	18	1.98	0.076
1152109	Soil	2.6	73.2	38.3	97	0.2	26.3	30.7	1829	3.74	12.1	0.9	<0.5	0.5	27	0.5	1.4	0.7	34	0.19	0.154
1152124	Soil	0.6	26.7	11.8	78	0.3	16.2	5.5	472	1.27	3.9	4.1	0.9	1.2	174	0.7	0.7	0.2	23	1.20	0.066
1152127	Soil	0.8	35.9	14.8	104	0.6	25.9	6.3	317	1.55	4.8	4.8	2.3	1.3	134	1.1	0.7	0.2	28	1.04	0.079
1152123	Soil	1.1	17.0	14.9	91	0.2	14.5	7.4	445	1.75	5.3	0.5	0.7	0.6	23	0.4	0.6	0.2	35	0.22	0.048
1152118	Soil	1.1	15.4	17.3	111	0.2	12.4	6.0	458	1.99	7.4	0.5	3.4	0.6	12	1.2	1.2	0.5	31	0.06	0.051
1152115	Soil	1.5	31.0	33.4	106	<0.1	30.1	12.2	475	3.38	18.8	0.8	2.1	1.4	20	0.5	2.8	0.3	39	0.06	0.053
1152117	Soil	1.7	51.7	31.4	132	0.4	26.9	33.9	1542	2.82	14.8	1.5	0.9	0.9	24	2.8	1.3	0.4	42	0.21	0.083
1152116	Soil	0.7	38.7	28.7	108	<0.1	44.6	22.7	976	4.43	15.2	1.0	<0.5	5.3	20	<0.1	1.5	0.3	45	0.18	0.034



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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
1156349	Soil	19	17	0.10	110	0.022	2	0.89	0.002	0.08	0.2	0.02	1.4	0.2	<0.05	5	1.1	<0.2
1156350	Soil	16	32	0.35	478	0.011	4	1.91	0.008	0.21	<0.1	0.04	3.0	0.3	0.12	5	3.8	0.2
1152120	Soil	30	20	0.28	181	0.007	2	1.20	0.005	0.12	0.1	0.01	1.6	0.1	<0.05	4	<0.5	<0.2
1152122	Soil	24	21	0.31	270	0.016	2	1.01	0.005	0.14	0.2	<0.01	1.7	0.1	<0.05	4	0.6	<0.2
1152114	Soil	24	20	0.11	165	0.010	2	0.71	0.018	0.12	0.2	0.03	0.9	0.3	0.19	5	3.2	0.3
1156348	Soil	38	25	0.71	314	0.006	2	2.15	0.003	0.18	<0.1	0.03	2.3	0.3	0.06	5	0.9	<0.2
1152201	Soil	20	75	0.51	826	0.030	3	3.11	0.008	0.21	0.2	0.10	12.1	0.4	0.15	6	8.4	0.4
1156344	Soil	23	40	0.85	422	0.063	2	2.17	0.023	0.61	<0.1	0.01	3.7	1.0	0.56	6	6.0	<0.2
1156345	Soil	16	50	1.56	694	0.121	1	3.45	0.013	0.75	<0.1	0.01	6.6	1.0	0.25	10	2.7	<0.2
1156347	Soil	18	27	0.43	176	0.015	2	1.63	0.004	0.12	0.2	0.04	1.3	0.3	0.11	5	2.2	<0.2
1156340	Soil	20	37	0.18	137	0.018	<1	1.20	0.003	0.11	0.1	0.03	2.0	0.3	0.11	4	7.8	<0.2
1156341	Soil	17	20	0.25	201	0.028	<1	1.04	0.019	0.20	<0.1	0.03	1.4	0.3	0.20	3	2.7	<0.2
1156342	Soil	24	41	0.78	374	0.054	<1	2.80	0.024	0.48	<0.1	0.02	3.6	0.5	0.42	7	2.9	<0.2
1156343	Soil	16	35	0.52	357	0.048	1	1.86	0.013	0.34	0.1	0.03	2.4	0.6	0.27	6	3.5	0.2
1156346	Soil	16	32	0.50	243	0.028	<1	1.73	0.007	0.13	0.2	0.06	2.6	0.4	0.14	4	6.9	<0.2
1152103	Soil	21	37	0.55	212	0.044	2	2.51	0.009	0.49	0.3	0.11	2.3	0.4	0.16	7	0.7	<0.2
1152106	Soil	31	31	0.56	217	0.029	2	2.15	0.008	0.50	0.2	0.09	2.0	0.4	0.15	7	0.8	<0.2
1152121	Soil	22	21	0.25	331	0.011	<1	1.05	0.009	0.17	<0.1	<0.01	1.3	0.2	0.06	5	0.9	<0.2
1152112	Soil	4	259	5.86	2773	0.222	1	4.97	0.020	0.46	<0.1	0.02	5.1	0.5	<0.05	13	0.7	<0.2
1152108	Soil	17	49	1.00	193	0.078	2	3.70	0.063	0.23	0.2	0.06	4.8	0.3	0.13	10	0.9	<0.2
1152119	Soil	26	24	0.36	268	0.019	<1	1.24	0.007	0.16	0.2	0.03	1.8	0.2	0.06	5	1.1	<0.2
1152125	Soil	13	15	0.24	289	0.006	4	1.08	0.015	0.09	<0.1	0.07	1.5	<0.1	0.17	3	1.6	<0.2
1152109	Soil	21	24	0.35	157	0.006	<1	1.47	0.006	0.11	0.1	0.11	0.7	0.2	0.16	4	1.4	<0.2
1152124	Soil	13	15	0.23	236	0.008	3	1.01	0.016	0.08	0.1	0.05	1.4	0.1	0.11	3	1.0	<0.2
1152127	Soil	17	17	0.26	388	0.008	2	1.17	0.013	0.10	0.1	0.06	2.2	0.1	0.12	3	1.2	<0.2
1152123	Soil	20	16	0.24	314	0.013	<1	0.89	0.007	0.11	0.2	0.02	1.0	<0.1	<0.05	4	0.8	<0.2
1152118	Soil	18	14	0.18	187	0.011	<1	0.93	0.010	0.11	0.1	0.01	1.1	0.1	0.05	4	0.5	<0.2
1152115	Soil	28	32	0.58	193	0.012	2	1.74	0.007	0.16	0.1	<0.01	1.6	0.2	0.08	5	1.1	<0.2
1152117	Soil	23	22	0.23	363	0.011	<1	1.31	0.005	0.14	0.1	0.02	1.2	0.1	0.09	4	1.1	<0.2
1152116	Soil	18	42	0.89	266	0.012	1	2.41	0.005	0.24	<0.1	<0.01	3.7	0.3	0.05	8	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
1152073	Soil	2.7	16.8	9.5	59	0.2	10.6	3.5	79	1.67	14.7	0.6	3.0	0.8	11	0.1	1.1	0.5	52	0.04	0.040
1152074	Soil	3.3	41.3	12.0	105	0.2	26.3	8.6	277	2.17	13.9	1.4	4.7	3.4	16	0.3	1.9	0.3	45	0.08	0.067
1152075	Soil	11.1	36.2	14.7	105	0.1	21.2	6.4	180	2.48	20.8	0.8	2.8	2.6	20	0.3	2.6	0.4	57	0.06	0.063
1152076	Soil	10.3	27.5	10.4	61	0.3	12.8	4.7	142	1.63	14.5	1.2	2.0	0.3	19	0.3	2.3	0.4	47	0.07	0.071
1152078	Soil	5.0	22.8	7.7	50	0.3	13.6	3.9	85	0.92	4.7	0.8	2.0	0.8	30	0.3	1.3	0.2	33	0.29	0.052
1152107	Soil	1.3	28.1	21.1	60	0.1	12.4	9.6	421	3.21	9.9	0.7	0.9	0.2	11	0.2	1.5	0.5	34	0.06	0.100
1152126	Soil	0.9	26.4	13.4	100	0.3	20.6	7.9	513	1.94	4.0	5.1	1.5	2.8	145	0.7	0.5	0.2	41	1.03	0.091
1152111	Soil	1.3	68.3	36.1	102	0.2	128.7	26.9	602	3.77	11.3	0.5	2.2	2.6	140	0.3	3.2	0.1	76	0.53	0.025
1152071	Soil	3.1	38.9	15.4	98	0.3	25.8	7.0	171	3.10	40.4	1.0	3.4	4.6	16	0.2	1.6	1.2	72	0.06	0.043
1152072	Soil	2.1	29.8	14.0	78	0.4	17.2	5.2	140	2.90	29.3	0.8	1.8	4.7	16	0.2	1.6	0.8	55	0.04	0.041
1152105	Soil	2.4	45.6	225.9	111	0.2	35.9	28.0	3150	3.23	45.7	1.8	3.4	1.6	61	0.5	2.1	0.4	36	0.73	0.092
1152113	Soil	1.0	68.8	50.8	115	0.3	109.6	25.7	646	4.61	36.1	1.1	1.1	5.3	222	0.1	4.7	0.4	64	0.66	0.046
1152110	Soil	1.3	31.2	35.8	64	0.2	16.3	10.6	560	3.69	7.9	0.9	1.1	0.3	24	0.3	1.2	0.4	33	0.08	0.114
1152104	Soil	1.2	44.8	67.5	76	0.2	38.0	18.7	386	5.78	64.2	3.0	<0.5	7.4	42	0.2	15.3	1.9	32	0.07	0.096
1152102	Soil	8.6	155.3	104.9	87	0.7	22.2	7.9	464	7.38	105.9	3.2	18.2	2.4	120	0.2	11.5	2.3	91	0.07	0.189
1152064	Soil	3.5	21.7	13.3	80	0.3	14.0	4.5	197	2.75	20.0	0.6	4.7	0.4	11	0.3	1.5	0.4	71	0.05	0.110
1152068	Soil	1.1	19.2	7.3	32	0.3	8.1	2.4	73	1.61	18.8	0.5	2.0	1.1	13	<0.1	0.8	0.4	30	0.05	0.046
1152070	Soil	3.0	42.3	14.5	91	0.3	23.8	9.0	266	3.12	39.7	0.9	5.2	4.7	15	0.2	1.5	1.0	57	0.04	0.039
1152066	Soil	1.8	34.9	12.0	57	0.2	13.5	4.4	122	2.35	26.0	0.7	2.6	2.0	14	<0.1	1.2	0.8	45	0.03	0.037
1152065	Soil	1.9	13.4	6.9	45	0.3	7.6	2.3	79	1.02	7.6	0.5	2.7	<0.1	9	0.3	0.8	0.3	40	0.04	0.033
1152077	Soil	7.2	37.9	15.1	127	0.7	69.6	8.2	284	2.07	23.5	11.2	6.8	1.6	47	1.0	3.7	0.4	97	0.64	0.172
1152080	Soil	5.1	18.2	6.1	36	0.6	9.8	3.3	153	0.83	4.4	0.9	1.5	0.3	22	0.1	1.6	0.1	35	0.28	0.053
1152060	Soil	3.8	28.5	14.9	107	0.1	21.7	6.6	254	3.19	19.5	0.8	4.3	3.3	12	0.3	1.7	0.4	73	0.04	0.059
1152061	Soil	4.4	19.0	15.7	99	0.1	18.5	5.3	181	2.99	15.3	0.6	<0.5	2.8	15	0.2	1.8	0.3	80	0.04	0.085
1152063	Soil	2.8	14.5	10.1	62	<0.1	10.8	2.5	135	1.64	12.0	0.4	1.3	0.8	10	0.2	1.3	0.2	60	0.02	0.060
1152079	Soil	4.8	26.9	9.0	53	0.5	15.8	4.6	221	0.97	5.6	1.7	3.0	1.0	27	0.3	1.8	0.2	39	0.33	0.057
1152081	Soil	5.2	28.2	10.3	82	0.5	25.7	6.8	452	1.41	11.2	2.5	3.4	1.7	39	0.4	3.4	0.2	83	0.58	0.089
1152082	Soil	11.9	22.6	14.0	76	0.6	17.3	8.3	460	1.68	9.1	1.6	4.7	2.1	32	0.4	3.1	0.3	86	0.38	0.080
1152059	Soil	3.3	31.9	14.6	106	0.2	25.1	6.6	170	3.24	24.9	0.8	3.3	4.4	11	0.3	1.5	0.6	71	0.05	0.047
1152062	Soil	3.5	23.9	16.4	103	0.1	18.4	5.7	246	3.28	17.7	0.8	3.0	2.9	11	0.2	1.8	0.3	76	0.03	0.082



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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
1152073	Soil	12	14	0.16	135	0.022	<1	0.74	0.004	0.12	0.3	0.01	1.2	0.3	<0.05	5	0.7	<0.2
1152074	Soil	11	17	0.23	235	0.010	2	1.09	0.003	0.09	0.2	0.11	2.3	0.2	<0.05	3	1.8	<0.2
1152075	Soil	12	17	0.25	352	0.010	2	1.13	0.005	0.13	0.1	0.07	2.2	0.3	<0.05	3	1.0	<0.2
1152076	Soil	8	13	0.16	390	0.009	3	0.97	0.020	0.12	<0.1	0.12	1.0	0.2	<0.05	3	0.9	<0.2
1152078	Soil	7	11	0.18	454	0.006	2	0.90	0.019	0.10	<0.1	0.09	1.4	0.2	<0.05	3	1.7	<0.2
1152107	Soil	14	17	0.20	87	0.016	1	1.29	0.012	0.10	0.1	0.10	0.5	0.2	0.07	5	0.7	<0.2
1152126	Soil	17	18	0.41	403	0.045	4	1.49	0.029	0.14	0.2	0.04	2.7	0.1	<0.05	4	0.6	<0.2
1152111	Soil	9	131	2.60	2683	0.197	3	2.70	0.045	0.25	0.2	0.02	4.6	0.3	<0.05	7	<0.5	<0.2
1152071	Soil	16	25	0.43	271	0.059	3	2.22	0.009	0.23	0.3	0.02	2.8	0.4	<0.05	8	0.6	<0.2
1152072	Soil	17	22	0.39	172	0.055	2	1.59	0.006	0.22	0.3	0.02	2.2	0.3	<0.05	6	0.6	<0.2
1152105	Soil	20	30	0.58	230	0.027	2	2.70	0.027	0.14	0.2	0.04	2.6	0.5	0.08	6	<0.5	<0.2
1152113	Soil	16	92	1.95	514	0.097	1	3.13	0.023	0.16	0.2	0.02	4.5	0.3	0.10	9	<0.5	<0.2
1152110	Soil	14	21	0.23	100	0.011	1	1.53	0.009	0.08	0.1	0.08	0.6	0.2	0.09	5	<0.5	<0.2
1152104	Soil	33	28	0.68	233	0.030	2	2.46	0.018	0.52	<0.1	0.05	2.2	0.7	0.18	6	0.6	<0.2
1152102	Soil	20	40	0.54	288	0.035	1	2.51	0.052	0.40	0.3	0.09	2.9	0.4	0.56	7	2.0	0.4
1152064	Soil	9	17	0.14	267	0.013	1	1.02	0.005	0.08	0.2	0.04	0.9	0.2	<0.05	6	0.7	<0.2
1152068	Soil	9	9	0.11	82	0.030	<1	1.05	0.015	0.09	0.2	0.03	0.8	0.2	<0.05	4	<0.5	<0.2
1152070	Soil	15	24	0.42	180	0.044	1	1.93	0.005	0.20	0.3	0.03	2.3	0.4	<0.05	6	0.6	<0.2
1152066	Soil	15	17	0.24	146	0.039	<1	1.33	0.008	0.17	0.2	0.03	1.4	0.3	<0.05	5	0.6	<0.2
1152065	Soil	10	9	0.06	116	0.008	<1	0.57	0.005	0.05	0.1	0.02	0.3	0.1	<0.05	4	<0.5	<0.2
1152077	Soil	8	18	0.25	842	0.007	3	1.11	0.011	0.13	<0.1	0.30	2.3	1.0	0.06	3	3.1	<0.2
1152080	Soil	5	9	0.13	350	0.005	1	0.75	0.018	0.06	<0.1	0.12	0.7	0.1	<0.05	3	1.7	<0.2
1152060	Soil	11	26	0.27	173	0.011	2	1.78	0.004	0.11	0.2	0.05	2.0	0.3	<0.05	5	0.9	<0.2
1152061	Soil	10	21	0.20	189	0.007	2	1.38	0.003	0.08	0.2	0.03	1.6	0.3	<0.05	5	0.6	<0.2
1152063	Soil	7	14	0.15	143	0.013	<1	0.68	0.007	0.06	0.2	0.02	1.0	0.1	<0.05	5	0.5	<0.2
1152079	Soil	6	12	0.18	448	0.005	<1	0.86	0.014	0.08	<0.1	0.12	1.2	0.2	<0.05	3	1.7	<0.2
1152081	Soil	8	14	0.25	594	0.006	2	0.97	0.012	0.10	<0.1	0.21	1.9	0.2	<0.05	3	2.6	<0.2
1152082	Soil	9	18	0.27	647	0.005	2	1.11	0.007	0.11	0.1	0.19	1.8	0.2	<0.05	4	3.3	<0.2
1152059	Soil	13	29	0.38	161	0.022	2	2.23	0.005	0.11	0.3	0.05	2.4	0.3	<0.05	6	0.7	<0.2
1152062	Soil	10	23	0.22	156	0.008	2	1.55	0.003	0.08	0.2	0.05	1.9	0.2	<0.05	5	1.2	<0.2



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CERTIFICATE OF ANALYSIS

WHI11001105.1

	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
1152083	Soil	6.2	36.2	12.0	88	0.4	24.8	5.4	221	1.72	9.0	1.5	4.3	2.3	29	0.4	2.4	0.3	61	0.28	0.063
1152086	Soil	5.3	33.6	13.1	136	0.5	28.7	7.4	217	2.63	14.6	1.0	3.9	3.0	21	0.4	2.1	0.3	61	0.12	0.092
1152089	Soil	4.8	44.6	14.9	150	0.2	32.7	10.5	398	2.90	16.0	1.3	9.3	4.0	21	0.3	2.5	0.3	67	0.11	0.088
1087887	Soil	3.9	33.8	10.0	102	0.4	20.9	7.2	230	1.69	8.6	1.7	3.8	1.3	26	0.5	1.5	0.2	47	0.21	0.065
1152085	Soil	5.4	26.3	10.8	77	0.5	17.9	6.0	206	1.81	8.4	0.9	4.6	1.4	19	0.3	1.6	0.2	49	0.14	0.054
1152090	Soil	4.8	40.0	15.0	143	0.2	29.1	8.4	322	2.87	15.8	1.1	8.2	3.4	20	0.3	2.4	0.3	67	0.11	0.086
1152084	Soil	8.3	29.3	10.6	65	0.2	16.5	5.1	246	1.50	8.0	1.1	3.8	1.4	22	0.4	1.9	0.2	49	0.20	0.046
1152087	Soil	3.2	48.9	12.4	120	0.3	29.4	9.7	436	2.16	11.2	1.6	6.9	3.7	20	0.5	2.2	0.2	43	0.12	0.077
1152088	Soil	3.5	35.7	10.9	104	0.3	21.6	8.3	334	2.09	10.9	1.0	5.0	2.8	17	0.2	2.0	0.2	47	0.11	0.064
1087888	Soil	5.8	50.8	14.6	138	0.9	28.5	6.4	201	2.51	15.2	2.3	7.8	3.0	33	0.9	2.1	0.3	82	0.19	0.092
1152067	Soil	3.1	62.7	19.2	85	0.2	24.6	8.5	144	3.10	43.0	1.1	17.8	5.6	23	0.1	3.0	1.3	54	0.03	0.052
1152069	Soil	1.0	12.8	6.4	22	0.4	3.7	1.3	55	0.68	5.1	0.4	2.0	0.1	8	0.1	0.4	0.3	25	0.03	0.030



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CERTIFICATE OF ANALYSIS

WHI11001105.1

	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
1152083	Soil	10	17	0.24	690	0.005	2	0.95	0.005	0.08	0.2	0.16	2.0	0.2	<0.05	3	2.8	<0.2
1152086	Soil	11	21	0.27	301	0.008	2	1.17	0.003	0.10	0.2	0.08	1.9	0.2	<0.05	3	1.4	<0.2
1152089	Soil	12	24	0.28	299	0.009	3	1.24	0.003	0.11	0.2	0.11	2.2	0.2	<0.05	4	1.7	<0.2
1087887	Soil	10	14	0.18	561	0.007	2	0.83	0.015	0.08	0.1	0.12	1.7	0.1	<0.05	3	1.1	<0.2
1152085	Soil	8	15	0.16	381	0.006	2	0.89	0.008	0.08	0.2	0.11	1.4	0.2	<0.05	3	1.3	<0.2
1152090	Soil	11	23	0.26	264	0.008	2	1.14	0.004	0.11	0.2	0.10	2.1	0.2	<0.05	4	1.5	<0.2
1152084	Soil	9	14	0.14	437	0.007	2	0.70	0.005	0.07	0.1	0.09	1.4	0.1	<0.05	3	1.6	<0.2
1152087	Soil	13	16	0.22	574	0.011	2	0.79	0.003	0.07	0.1	0.18	2.5	0.1	<0.05	2	0.9	<0.2
1152088	Soil	11	17	0.20	286	0.008	1	0.82	0.003	0.07	0.1	0.10	1.7	0.2	<0.05	3	1.2	<0.2
1087888	Soil	16	25	0.29	671	0.007	3	1.27	0.006	0.12	0.2	0.36	2.7	0.2	<0.05	4	1.8	<0.2
1152067	Soil	22	22	0.31	206	0.036	2	1.75	0.004	0.21	0.3	0.03	2.0	0.4	<0.05	6	<0.5	<0.2
1152069	Soil	11	7	0.04	62	0.015	<1	0.53	0.008	0.05	<0.1	0.03	0.3	0.1	<0.05	4	<0.5	<0.2



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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	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																					
1156188	Soil	2.4	26.8	11.0	56	0.1	13.8	6.9	582	1.91	9.8	0.8	3.0	0.2	17	0.3	1.2	0.2	44	0.04	0.063
REP 1156188	QC	2.4	28.0	11.5	59	0.1	14.5	7.4	609	1.98	9.8	0.8	3.0	0.2	18	0.3	1.2	0.2	45	0.05	0.063
1156213	Soil	1.5	26.6	7.7	90	0.2	25.7	8.2	194	1.58	7.3	1.0	1.1	3.3	56	0.2	0.9	0.1	37	0.46	0.087
REP 1156213	QC	1.5	25.7	7.8	95	0.2	25.4	8.0	193	1.54	7.4	1.0	2.9	3.4	55	0.2	1.0	0.2	38	0.44	0.091
1156199	Soil	1.4	14.8	11.6	85	<0.1	13.3	8.9	385	3.14	6.1	0.8	3.8	3.2	17	0.4	0.6	0.3	35	0.10	0.050
REP 1156199	QC	1.5	14.6	11.3	81	<0.1	11.4	8.5	363	2.86	5.7	0.7	5.4	3.1	16	0.3	0.7	0.3	34	0.10	0.048
1159131	Soil	5.7	41.1	17.4	95	0.2	21.7	6.3	190	4.29	74.5	1.1	11.0	0.6	24	0.3	2.8	1.0	82	0.04	0.060
REP 1159131	QC	5.6	42.5	18.7	94	0.2	22.4	6.2	194	4.44	79.2	1.2	4.7	0.6	25	0.3	3.2	1.1	84	0.04	0.065
1057996	Soil	1.7	13.9	7.2	37	<0.1	6.6	2.0	75	1.40	15.0	0.5	2.7	0.5	8	0.1	0.8	0.3	44	0.04	0.028
REP 1057996	QC	1.5	14.0	7.4	33	<0.1	7.2	1.9	75	1.38	14.3	0.5	0.7	0.5	8	0.1	0.8	0.3	44	0.04	0.027
1152209	Soil	4.1	14.4	13.7	35	0.6	5.3	1.8	88	1.05	9.3	0.4	2.7	<0.1	17	0.1	2.0	0.2	54	0.03	0.036
REP 1152209	QC	4.1	14.3	14.3	37	0.6	5.6	1.9	93	1.05	9.4	0.5	2.0	<0.1	16	0.1	2.0	0.2	60	0.03	0.039
1152114	Soil	32.8	129.9	34.5	276	0.6	58.6	10.5	294	5.25	45.8	3.9	6.9	0.5	68	0.5	7.6	0.4	80	0.06	0.111
REP 1152114	QC	31.4	128.0	32.6	265	0.6	56.4	10.5	287	5.26	45.7	4.0	8.1	0.5	65	0.4	7.6	0.4	84	0.06	0.108
1152115	Soil	1.5	31.0	33.4	106	<0.1	30.1	12.2	475	3.38	18.8	0.8	2.1	1.4	20	0.5	2.8	0.3	39	0.06	0.053
REP 1152115	QC	1.4	29.4	33.6	103	<0.1	29.1	11.4	476	3.31	17.8	0.8	<0.5	1.6	19	0.4	2.7	0.3	36	0.06	0.050
1152104	Soil	1.2	44.8	67.5	76	0.2	38.0	18.7	386	5.78	64.2	3.0	<0.5	7.4	42	0.2	15.3	1.9	32	0.07	0.096
REP 1152104	QC	1.3	44.8	67.7	74	0.2	37.2	18.3	382	5.75	64.1	3.1	1.0	7.4	41	0.2	15.5	1.9	31	0.07	0.097
1152090	Soil	4.8	40.0	15.0	143	0.2	29.1	8.4	322	2.87	15.8	1.1	8.2	3.4	20	0.3	2.4	0.3	67	0.11	0.086
REP 1152090	QC	5.1	39.9	14.9	143	0.2	30.1	8.5	327	2.95	16.0	1.1	9.1	3.5	21	0.3	2.4	0.3	69	0.11	0.089
Reference Materials																					
STD DS8	Standard	14.1	116.3	129.6	326	1.9	41.2	7.9	636	2.59	26.3	2.7	120.9	7.0	65	2.3	5.8	6.9	45	0.71	0.082
STD DS8	Standard	12.4	101.4	120.8	297	1.6	34.6	7.3	579	2.36	22.4	2.7	102.0	7.5	61	2.4	4.8	6.4	39	0.66	0.072
STD DS8	Standard	13.5	111.7	124.2	316	1.8	38.4	7.8	638	2.53	25.0	2.8	113.0	7.1	65	2.3	5.1	6.4	44	0.72	0.075
STD DS8	Standard	13.9	120.8	127.0	318	1.8	40.3	7.9	615	2.49	25.9	2.9	109.5	6.9	70	2.3	6.2	7.0	44	0.68	0.080
STD DS8	Standard	13.7	118.8	120.4	321	1.8	41.6	8.2	624	2.51	25.3	2.8	109.5	6.6	65	2.3	5.2	6.1	44	0.71	0.081
STD DS8	Standard	13.7	115.5	132.1	326	1.9	39.2	7.8	656	2.60	26.7	2.9	113.7	7.3	72	2.3	6.0	7.0	45	0.74	0.084
STD DS8	Standard	12.4	105.2	122.1	300	1.8	36.4	7.7	593	2.66	24.8	2.7	121.7	6.4	60	2.3	4.7	6.3	40	0.67	0.075



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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																		
1156188	Soil	11	13	0.13	120	0.013	1	0.88	0.010	0.05	0.2	0.03	0.6	0.1	<0.05	4	0.7	<0.2
REP 1156188	QC	11	13	0.14	124	0.014	1	0.94	0.012	0.05	0.2	0.03	0.7	0.1	<0.05	4	0.6	<0.2
1156213	Soil	15	19	0.36	309	0.026	2	0.90	0.008	0.08	0.2	0.05	1.7	0.1	<0.05	3	0.6	<0.2
REP 1156213	QC	15	19	0.35	307	0.025	3	0.88	0.008	0.08	0.3	0.05	1.7	0.1	<0.05	3	0.7	<0.2
1156199	Soil	32	15	0.17	342	0.005	4	1.04	0.005	0.08	0.1	<0.01	1.3	<0.1	<0.05	4	0.5	<0.2
REP 1156199	QC	31	15	0.17	320	0.005	2	1.03	0.005	0.07	0.1	<0.01	1.2	<0.1	<0.05	4	<0.5	<0.2
1159131	Soil	14	24	0.23	177	0.036	<1	1.45	0.007	0.08	0.2	0.03	1.3	0.2	0.06	7	1.8	<0.2
REP 1159131	QC	15	25	0.23	181	0.036	2	1.45	0.007	0.08	0.2	0.04	1.2	0.2	0.10	8	2.2	<0.2
1057996	Soil	12	12	0.12	92	0.018	2	0.82	0.008	0.05	0.2	0.02	0.8	0.2	<0.05	4	<0.5	<0.2
REP 1057996	QC	12	12	0.12	92	0.019	<1	0.82	0.008	0.06	0.2	<0.01	1.1	0.2	<0.05	4	<0.5	<0.2
1152209	Soil	8	9	0.06	106	0.008	<1	0.65	0.014	0.06	<0.1	0.02	0.6	0.1	<0.05	3	1.0	<0.2
REP 1152209	QC	8	10	0.06	105	0.007	1	0.65	0.015	0.06	<0.1	0.02	0.9	0.1	0.07	3	1.0	<0.2
1152114	Soil	24	20	0.11	165	0.010	2	0.71	0.018	0.12	0.2	0.03	0.9	0.3	0.19	5	3.2	0.3
REP 1152114	QC	24	19	0.11	161	0.009	1	0.71	0.018	0.12	0.2	0.03	1.2	0.3	0.19	4	2.8	0.3
1152115	Soil	28	32	0.58	193	0.012	2	1.74	0.007	0.16	0.1	<0.01	1.6	0.2	0.08	5	1.1	<0.2
REP 1152115	QC	27	31	0.53	187	0.012	<1	1.61	0.006	0.15	0.1	0.03	1.6	0.2	0.07	5	0.7	<0.2
1152104	Soil	33	28	0.68	233	0.030	2	2.46	0.018	0.52	<0.1	0.05	2.2	0.7	0.18	6	0.6	<0.2
REP 1152104	QC	32	28	0.66	230	0.030	3	2.44	0.017	0.52	<0.1	0.05	2.1	0.6	0.17	6	<0.5	<0.2
1152090	Soil	11	23	0.26	264	0.008	2	1.14	0.004	0.11	0.2	0.10	2.1	0.2	<0.05	4	1.5	<0.2
REP 1152090	QC	11	23	0.27	276	0.009	2	1.18	0.004	0.11	0.2	0.09	2.2	0.2	<0.05	4	1.5	<0.2
Reference Materials																		
STD DS8	Standard	15	128	0.64	287	0.113	2	0.94	0.092	0.43	3.2	0.19	2.2	5.9	0.16	5	5.0	5.2
STD DS8	Standard	15	115	0.60	265	0.105	2	0.93	0.105	0.39	3.3	0.20	3.8	5.5	0.17	5	4.5	4.8
STD DS8	Standard	16	121	0.61	275	0.113	2	0.96	0.097	0.45	3.1	0.20	4.0	5.4	0.18	5	5.9	4.7
STD DS8	Standard	17	119	0.64	300	0.129	2	0.94	0.086	0.40	3.2	0.20	2.3	5.6	0.14	5	5.3	5.3
STD DS8	Standard	13	123	0.61	263	0.128	3	0.91	0.087	0.41	2.8	0.18	2.3	5.1	0.18	5	5.9	4.6
STD DS8	Standard	16	125	0.65	294	0.122	2	0.97	0.098	0.44	3.2	0.22	2.6	5.6	0.11	5	4.6	5.0
STD DS8	Standard	15	115	0.56	263	0.111	3	0.87	0.082	0.38	3.0	0.17	2.2	5.4	0.10	5	6.0	6.0



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QUALITY CONTROL REPORT

WHI11001105.1

		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	9.7	99.9	120.1	297	1.9	37.5	7.6	562	2.31	23.4	2.3	108.0	5.2	52	2.3	5.1	5.9	36	0.60	0.078
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	<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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Vancouver BC V6C 1H2 Canada

Project:

PDM

Report Date:

September 01, 2011

Page:

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Part 2

QUALITY CONTROL REPORT

WHI11001105.1

		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	9	109	0.57	233	0.087	2	0.79	0.073	0.40	2.9	0.19	2.1	5.4	0.13	4	4.7	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
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

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.

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

Submitted By: Ian Gendall

Receiving Lab: Canada-Whitehorse

Received: August 05, 2011

Report Date: August 31, 2011

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11000926.1

CLIENT JOB INFORMATION

Project: PDM
Shipment ID: PDM001
P.O. Number
Number of Samples: 30

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	30	Fire assay fusion Au by ICP-ES	50	Completed	VAN
1DX1	30	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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Report Date:

August 31, 2011

Page:

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Part 1

CERTIFICATE OF ANALYSIS

WHI11000926.1

	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
50001	Rock	3.50	<2	0.2	46.7	3.9	48	<0.1	28.0	9.2	2435	2.01	8.1	<0.5	2.8	32	<0.1	0.4	<0.1	26
50002	Rock	3.35	<2	0.6	4.4	180.3	253	0.7	6.3	11.8	692	3.39	4.5	<0.5	13.0	127	3.5	1.2	<0.1	75
50003	Rock	4.33	<2	0.1	7.5	38.3	97	0.2	113.2	18.1	1839	3.95	2.5	0.5	0.5	109	0.7	1.6	0.7	63
50052	Rock	2.96	<2	0.7	104.2	6.2	26	<0.1	3.7	9.7	249	3.34	13.3	<0.5	13.4	136	<0.1	<0.1	1.1	89
50053	Rock	2.05	<2	1.0	148.2	12.0	34	0.2	3.7	12.9	271	2.91	67.1	1.3	15.3	101	0.2	0.2	3.1	74
50006	Rock	2.27	2359	0.3	73.6	4.1	42	0.5	2.3	10.9	1360	29.64	0.5	2490	24.1	9	<0.1	2.3	272.7	8
50701	Rock	3.75	31	0.6	982.5	29.2	51	3.7	4.0	10.7	299	3.34	59.0	18.5	17.4	56	0.5	1.2	45.4	73
50008	Rock	2.44	<2	4.6	62.4	2.7	23	0.1	20.7	5.3	125	2.59	25.8	4.0	4.9	9	<0.1	0.3	0.9	69
50501	Rock	2.37	3	0.2	120.3	6.0	19	0.3	2.6	8.7	114	3.03	27.4	6.1	12.8	112	<0.1	0.5	1.1	24
50010	Rock	2.60	3	4.5	53.6	6.5	121	0.3	49.5	9.6	211	2.54	12.8	1.2	6.7	27	1.2	0.9	0.5	112
50056	Rock	1.86	18	9.8	177.5	6.0	14	<0.1	46.4	22.7	388	3.14	11.6	15.4	7.4	117	<0.1	0.6	2.0	212
50012	Rock	3.39	37	3.7	36.6	4.0	10	0.6	30.9	11.7	66	3.49	8.9	202.2	6.4	143	0.1	0.1	2.1	12
50504	Rock Pulp	0.12	970	1.6	24.8	47.7	43	0.3	62.6	18.0	352	4.49	2.3	927.9	2.0	120	0.2	0.2	0.3	36
50004	Rock	5.16	16	0.4	29.0	2.7	11	<0.1	8.3	6.9	1210	1.76	0.8	6.7	3.0	639	<0.1	1.1	1.5	8
50005	Rock	5.62	31	1.3	1251	17.0	27	0.6	139.8	250.6	434	22.56	0.7	37.0	1.7	27	0.2	0.7	16.1	8
50054	Rock	1.66	80	0.1	96.3	7.8	70	<0.1	14.4	10.7	226	7.32	3.0	46.5	8.3	19	0.5	1.3	3.1	30
50055	Rock	2.33	77	0.3	728.6	17.0	34	0.4	12.5	73.1	1895	20.71	<0.5	56.4	4.2	11	0.2	1.3	8.2	15
50011	Rock	2.67	13	0.3	41.0	2.4	15	<0.1	13.0	3.3	45	1.06	4.9	3.3	0.7	34	<0.1	1.1	0.2	14
50057	Rock	2.26	10	<0.1	442.4	60.2	82	1.7	101.1	39.2	2247	23.01	<0.5	12.3	5.9	11	0.2	4.4	28.2	37
50009	Rock	3.19	5	1.9	46.1	8.5	25	0.3	12.9	2.8	141	2.28	2.4	4.2	8.2	84	<0.1	0.3	0.5	56
50502	Rock	2.28	<2	0.3	8.1	15.9	5	0.1	1.4	1.7	81	1.11	12.6	1.5	17.9	24	<0.1	1.6	0.6	<2
50503	Rock	2.24	14	9.0	33.4	3.5	14	0.3	38.2	10.1	74	2.94	178.9	9.9	8.0	149	0.2	0.3	2.5	45
50601	Rock	2.21	15	0.7	255.8	5.8	20	0.4	12.6	4.9	110	3.14	94.7	10.5	2.7	20	0.1	1.5	2.9	40
50602	Rock	2.14	53	8.9	48.1	7.9	13	0.3	30.2	11.3	213	3.02	324.9	34.5	6.9	133	0.1	0.9	4.9	46
50505	Rock Pulp	0.13	<2	1.2	28.2	6.8	42	<0.1	86.8	22.4	429	3.15	0.5	2.0	2.0	194	<0.1	<0.1	<0.1	56
50007	Rock	5.49	695	0.1	191.3	5.7	54	0.2	1.2	13.8	1363	>40	2.0	601.0	0.8	2	<0.1	0.7	52.4	5
50702	Rock	3.66	7	0.3	126.3	5.3	9	0.2	0.8	4.6	115	1.41	10.4	6.7	15.6	13	<0.1	0.2	1.3	3
50703	Rock	5.25	3	1.6	54.2	2.1	23	0.1	8.7	3.5	105	2.28	24.4	3.3	5.5	8	<0.1	<0.1	0.2	54
50051	Rock	1.50	3	0.7	245.0	7.0	26	0.2	3.9	10.0	243	3.91	77.3	2.6	14.4	139	0.1	<0.1	2.0	96
50603	Rock	2.69	2	2.4	24.4	5.8	24	0.2	30.3	8.8	97	2.51	97.9	2.3	7.1	130	0.4	0.6	1.2	14



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Project: PDM
Report Date: August 31, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI11000926.1

	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
50001	Rock	0.015	11	25	0.71	409	0.122	<20	1.54	0.033	0.58	0.3	<0.01	3.0	0.2	<0.05	5	<0.5
50002	Rock	0.061	18	15	1.24	315	0.129	<20	3.43	0.276	0.53	0.2	<0.01	8.3	0.3	0.10	10	<0.5
50003	Rock	0.045	3	128	2.25	62	0.184	<20	3.01	0.058	0.08	0.1	0.01	4.4	<0.1	0.15	8	<0.5
50052	Rock	0.066	30	18	1.11	513	0.326	<20	3.99	0.425	1.13	0.1	<0.01	8.0	0.6	0.39	11	1.4
50053	Rock	0.067	28	17	0.99	498	0.296	<20	3.09	0.274	0.91	0.2	<0.01	6.8	0.4	0.14	9	0.6
50006	Rock	0.712	104	<1	0.18	30	0.028	<20	0.64	0.062	0.12	0.7	<0.01	0.4	<0.1	0.22	7	4.0
50701	Rock	0.064	34	17	1.11	357	0.227	<20	2.62	0.139	0.57	0.3	<0.01	7.0	0.3	0.18	9	1.6
50008	Rock	0.043	14	42	0.78	394	0.013	<20	1.67	0.018	0.57	<0.1	<0.01	2.8	0.3	0.46	5	1.3
50501	Rock	0.046	17	14	0.81	83	0.089	<20	3.65	0.385	0.27	0.4	0.01	7.9	0.2	1.42	10	6.7
50010	Rock	0.049	19	43	0.69	340	0.013	<20	2.06	0.062	0.37	<0.1	<0.01	4.9	0.2	0.76	7	2.4
50056	Rock	0.249	16	68	1.31	203	0.155	<20	2.66	0.116	0.83	0.2	<0.01	8.4	0.4	1.19	10	2.5
50012	Rock	0.263	14	21	0.16	35	0.095	<20	4.07	0.311	0.06	0.2	0.03	0.8	<0.1	2.09	10	7.2
50504	Rock Pulp	0.081	10	49	1.28	56	0.321	<20	1.20	0.531	0.33	0.1	0.01	0.5	0.5	2.73	4	1.0
50004	Rock	0.013	6	8	0.13	15	0.058	<20	1.06	0.069	0.03	0.2	<0.01	0.8	<0.1	0.37	3	<0.5
50005	Rock	0.055	85	4	0.21	17	0.029	<20	1.22	0.017	0.02	<0.1	0.01	0.7	0.2	>10	3	26.2
50054	Rock	0.009	27	29	0.49	31	0.109	<20	2.08	0.080	0.04	0.2	<0.01	3.9	<0.1	2.37	8	3.0
50055	Rock	0.026	15	17	0.22	24	0.071	<20	1.90	0.022	0.02	0.9	<0.01	2.0	<0.1	6.12	6	13.6
50011	Rock	0.003	4	6	0.17	152	0.002	<20	0.40	0.009	0.08	<0.1	0.02	1.0	<0.1	0.36	1	<0.5
50057	Rock	<0.001	207	14	1.94	22	0.007	<20	3.25	<0.001	0.01	0.1	<0.01	1.5	<0.1	6.46	18	3.9
50009	Rock	0.050	11	32	0.72	594	0.049	<20	1.73	0.036	0.33	<0.1	<0.01	2.6	0.2	0.27	5	3.5
50502	Rock	0.026	18	1	0.08	264	0.001	<20	0.56	0.045	0.18	<0.1	<0.01	0.3	<0.1	0.34	2	<0.5
50503	Rock	0.217	12	37	0.52	95	0.114	<20	5.15	0.507	0.26	0.2	<0.01	2.7	0.2	1.52	13	3.3
50601	Rock	0.028	6	19	0.79	152	0.050	<20	1.02	0.014	0.11	0.3	0.01	1.7	<0.1	0.91	4	8.7
50602	Rock	0.099	8	29	0.52	59	0.112	<20	3.62	0.334	0.17	0.3	0.01	2.1	0.2	1.65	10	3.1
50505	Rock Pulp	0.107	13	58	1.61	51	0.471	<20	1.58	0.586	0.34	<0.1	<0.01	0.4	<0.1	<0.05	6	<0.5
50007	Rock	0.012	2	2	0.04	23	0.013	<20	0.21	0.018	0.03	2.2	<0.01	0.4	<0.1	0.37	10	1.6
50702	Rock	0.021	20	2	0.19	37	0.007	<20	0.58	0.048	0.14	0.3	<0.01	1.0	<0.1	0.29	2	0.6
50703	Rock	0.037	14	34	0.61	178	0.012	<20	1.31	0.012	0.35	<0.1	<0.01	1.9	0.2	0.17	4	1.0
50051	Rock	0.067	19	16	1.34	351	0.350	<20	4.07	0.400	1.26	<0.1	<0.01	11.1	0.7	0.71	12	1.9
50603	Rock	0.195	8	14	0.17	49	0.098	<20	3.73	0.482	0.07	0.2	<0.01	1.2	<0.1	1.29	9	0.7



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Page:

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Part 1

QUALITY CONTROL REPORT

WHI11000926.1

	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																					
50503	Rock	2.24	14	9.0	33.4	3.5	14	0.3	38.2	10.1	74	2.94	178.9	9.9	8.0	149	0.2	0.3	2.5	45	3.48
REP 50503	QC			9.6	33.7	3.6	13	0.3	39.4	10.0	75	2.96	181.4	11.3	7.9	149	0.2	0.3	2.4	45	3.48
Core Reject Duplicates																					
50702	Rock	3.66	7	0.3	126.3	5.3	9	0.2	0.8	4.6	115	1.41	10.4	6.7	15.6	13	<0.1	0.2	1.3	3	0.25
DUP 50702	QC		9	0.3	125.6	5.3	10	0.2	0.8	4.7	115	1.45	10.0	5.1	15.7	14	<0.1	0.2	1.3	3	0.26
Reference Materials																					
STD DS8	Standard			13.2	113.3	114.7	305	1.6	37.0	7.6	589	2.41	22.6	101.2	7.0	64	2.1	3.9	6.5	42	0.69
STD OREAS45CA	Standard			0.8	491.2	21.3	60	0.3	250.3	89.2	911	16.04	3.1	40.2	7.5	18	<0.1	<0.1	0.2	202	0.40
STD OXC88	Standard		202																		
STD OXC88	Standard		201																		
STD OXC88	Standard		203																		
STD OXH82	Standard		1300																		
STD OXH82	Standard		1324																		
STD OXH82	Standard		1351																		
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		<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	0.2	3.3	3.3	45	<0.1	2.8	4.0	553	1.98	27.1	1.7	6.6	66	<0.1	0.2	<0.1	37	0.52
G1	Prep Blank		<2	<0.1	3.0	5.1	46	<0.1	3.2	4.0	562	2.00	6.1	<0.5	6.4	70	<0.1	<0.1	<0.1	38	0.53



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Report Date:

August 31, 2011

Page:

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Part 2

QUALITY CONTROL REPORT

WHI11000926.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
50503	Rock	0.217	12	37	0.52	95	0.114	<20	5.15	0.507	0.26	0.2	<0.01	2.7	0.2	1.52	13	3.3	<0.2
REP 50503	QC	0.218	12	36	0.53	95	0.119	<20	5.41	0.519	0.26	0.2	<0.01	2.9	0.2	1.52	13	2.9	<0.2
Core Reject Duplicates																			
50702	Rock	0.021	20	2	0.19	37	0.007	<20	0.58	0.048	0.14	0.3	<0.01	1.0	<0.1	0.29	2	0.6	<0.2
DUP 50702	QC	0.021	20	2	0.18	40	0.007	<20	0.61	0.055	0.16	0.2	<0.01	1.1	<0.1	0.28	3	0.7	<0.2
Reference Materials																			
STD DS8	Standard	0.077	15	117	0.61	273	0.124	<20	0.90	0.087	0.40	2.3	0.17	2.0	5.0	0.17	4	5.2	4.6
STD OREAS45CA	Standard	0.036	17	653	0.15	167	0.139	<20	3.55	0.011	0.07	<0.1	0.03	37.9	<0.1	<0.05	18	<0.5	<0.2
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	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																		
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	0.075	13	12	0.51	156	0.142	<20	0.93	0.089	0.47	<0.1	<0.01	1.8	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.075	13	12	0.52	164	0.145	<20	0.98	0.103	0.48	<0.1	<0.01	1.9	0.3	<0.05	5	<0.5	<0.2