Geochemical Survey Assessment Report:

Soil Sampling Survey

WELLS GOLD PROJECT

WELLS 21-38	YE76031-048
WELLS 45-58	YE76055-068
WELLS 65-74	YE76075-084
WELLS 81-216	YE76091-226
WELLS 218	YE76288
WELLS 220-221	YE76230-231
WELLS 230-281	YF03810-861
WELLS 286-297	YF03866-877

Whitehorse Mining District

NTS: 115J/05,13

Easting: 561000 Northing: 6931000

UTM Zone 7N, NAD83

Work Performed on:

Soil Sampling August 11&11, 2018

Prepared for White Gold Corp

By GroundTruth Exploration

Written by:

Adam Fage, M.Sc

March 10, 2019

Table of Contents

Table of Figures

1 Introduction

White Gold Corporation commissioned Groundtruth Exploration Ltd. ("Groundtruth") of Dawson, Yukon to perform a Soil Sampling Survey Program on their Wells Gold Property (the "Property") located approximately 45 km northeast of Beaver Creek, YT in the Whitehorse Mining District on NTS Map Sheet 115J/5,13 (Figure 1).

966 Soil samples were collected on the property during the 2018 field program.

Results and interpretation of these surveys form the basis of this report. Appendices to this report are attached as digital files.

2 Property Description, Location, Accessibility, Climate

The Wells project is located in West-central Yukon within the Whitehorse Mining District on NTS mapsheets 11J/05, 12. The Wells property is situated East of the White River, South of the Donjek River and is approximately 45km Northeast of Beaver Creek. The Wells property is geographically centered at a latitude of 62.505˚ N and longitude of 139.823˚ W.

Access to the Wells property is restricted to helicopter, either based in Beaver Creek 45km to the Southwest or based in Dawson City 175 km to the North of the Wells Property. Beaver Creek is accessed by year-round highway approximately 445 km West from Whitehorse, Yukon. Dawson City is accessed by year-round highway approximately 540 km North from Whitehorse, Yukon. Daily flight service is also available from Whitehorse to Dawson City.

The Wells Project area has a subarctic continental climate with a summer mean of 10 degrees Celsius and winter mean temperature of -23 degrees Celsius. Summer temperatures can reach up to +35˚C and winter temperatures can drop to -50˚C.

The Wells Project is located between Wellesley Lake, the White River, and the Donjek River. Elevations on the project range from 548m near the Donjek river at the North end of the property to 1127m at the South end of the property. The property is mostly unglaciated, with a mix of White Spruce, Sub-alpine Fir, Birch and Poplar on the South, East and West aspects and Black Spruce on the North facing slopes. Discontinuous permafrost occurs throughout the property on the Northerly aspects. Bedrock exposure is fairly prevalent in the higher elevations.

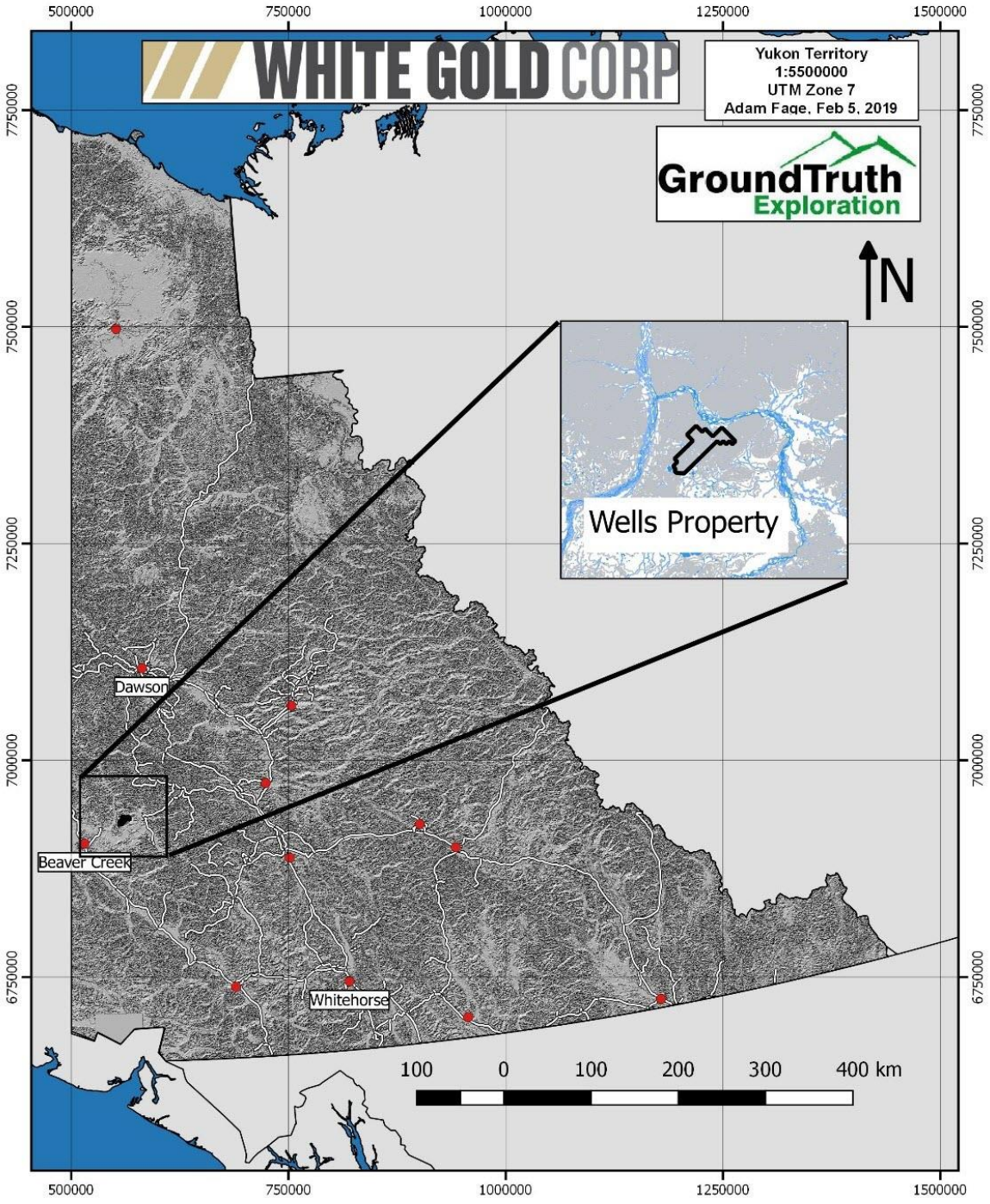

Figure 1: Location of the Wells Property, Yukon, Canada

3 Claim Information

The Wells Gold Project is registered in the Whitehorse Mining district on mapsheet NTS 115J 5,13 (Figure 2, Appendix A). It encompasses 3,030 hectares and is composed of the following 245 claims:

Claim name	Grant Number	Owner	Operator
WELLS 21-38	YE76031-048	White Gold Corp. - 100%	White Gold Corp. - 100%
WELLS 45-58	YE76055-068	White Gold Corp. - 100%	White Gold Corp. - 100%
WELLS 65-74	YE76075-084	White Gold Corp. - 100%	White Gold Corp. - 100%
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WELLS 218	YE76288	White Gold Corp. - 100%	White Gold Corp. - 100%
WELLS 220-221	YE76230-231	White Gold Corp. - 100%	White Gold Corp. - 100%
WELLS 230-281	YF03810-861	White Gold Corp. - 100%	White Gold Corp. - 100%
WELLS 286-297	YF03866-877	White Gold Corp. - 100%	White Gold Corp. - 100%

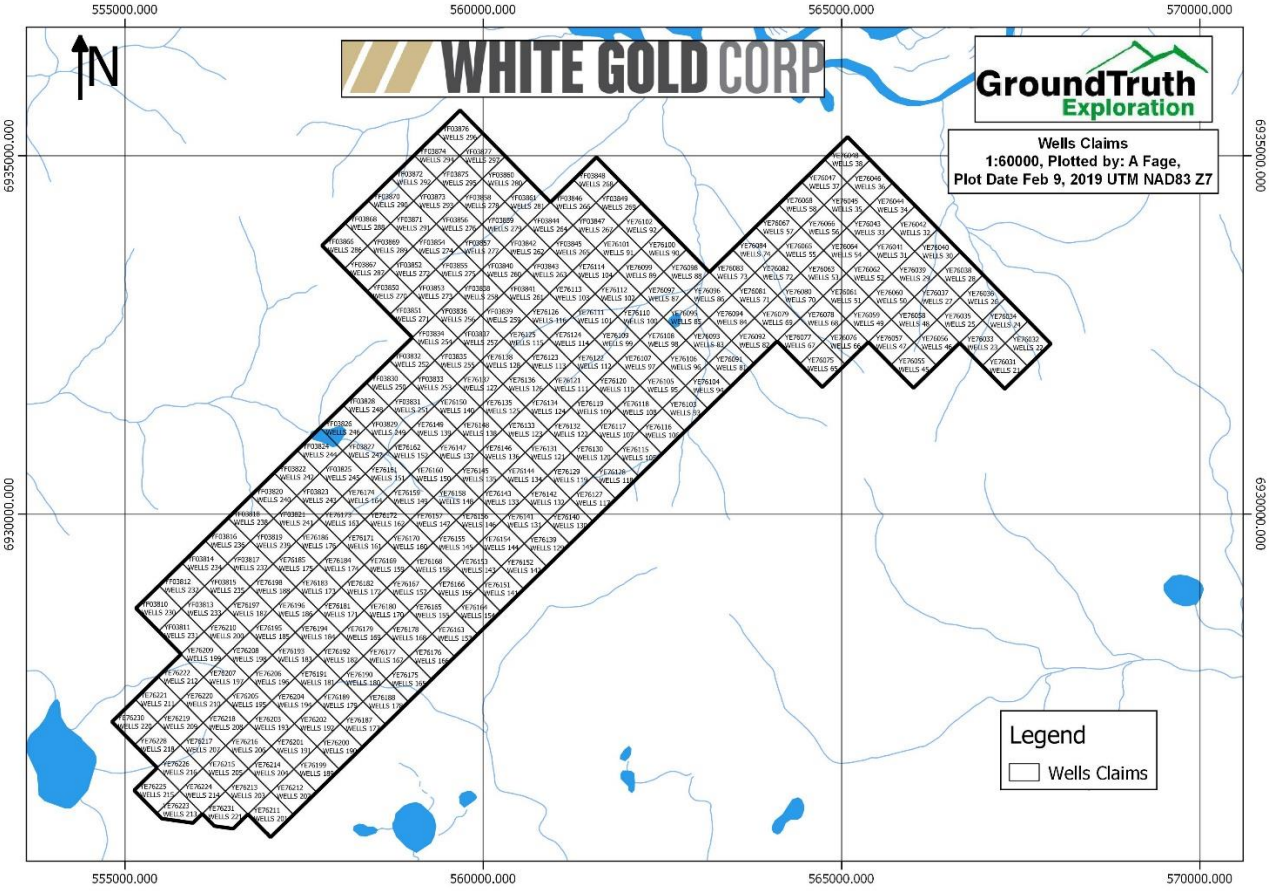

Figure 2: Claim Map of the Wells property

4 History

The 2013 soil sampling program on the Wells project was the first intensive examination for mineral potential on this ground. There is very little exploration history on this ground prior to the claims being staked in May 2013.

There are no Minfile occurrences documented by the Yukon Geological Survey within this project.

The Wells properties contains 1 stream sediment sample from the Yukon Regional Geochemical Database (2003). Another 12 stream sediment samples have been taken within 5km of the property borders. No anomalous values are found within the Wells property. An anomalous gold silt value (16ppm) was collected 5km to the West of the property on a stream draining into the White River.

K2 Gold Corp's Wels Property borders the property to the Southwest. Highlights from that project include trench results of 8.8 g/t Au over 45m and diamond drill results of 3.11 g/t Au over 19.5m hosted within a biotite granite; mineralization is characterized by sheeted veins with a roughly East-West trend to the mineralization.

A regional airborne magnetic/radiometric survey was flown by Geological Survey of Canada. This survey identified a transition from magnetic low to high on the Eastern half of the property which corresponds along strike with K2 Gold's Discovery on their Wels Property.

4.1 Regional Geology

The Wells property is underlain by Yukon-Tanana terrane to the South and West and by rocks of the Slide Mountain Terrane and a block of Selwyn Basin to the East and North. (See Figure 3). The area is geologically poorly understood.

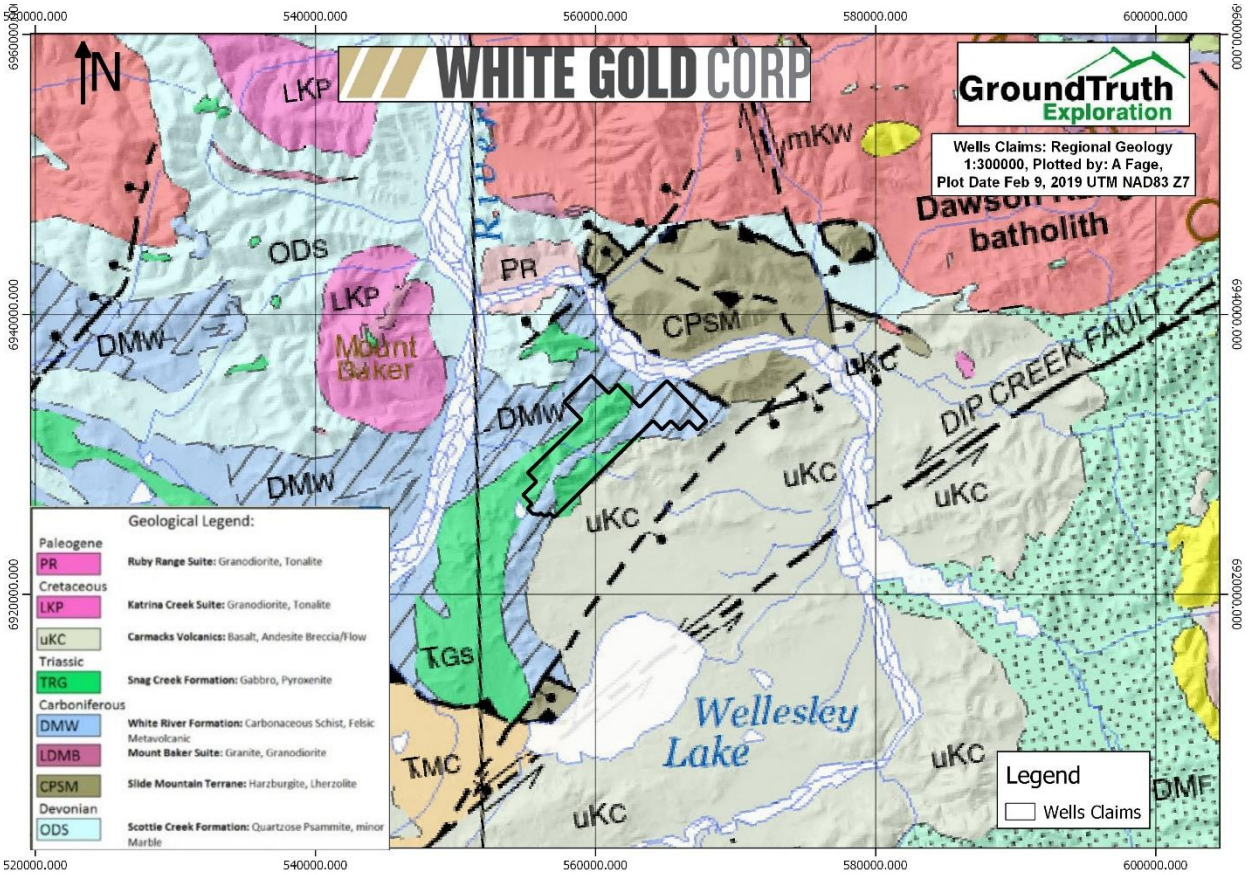

Figure 3: Regional Geology of the Wells Property (From Colpron et al., 2016)

5 Geochemical Sample Preparation and Analysis

Samples were shipped to Bureau Veritas (BV) sample preparation facility in Whitehorse. Prepared samples were shipped by BV to Vancouver where final analysis was completed.

Soil samples are prepared using the SS80 method. Samples are dried at 60 degrees Celsius and sieved until up to 100 grams of material passes 180 microns (80 mesh). The samples are then analyzed by the AQ201+U method which involves dissolving 15 grams of material in a hot Aqua Regia solution and determining the concentration of 37 elements of the resulting analyte by the ICP-MS technique.

6 Soil Sampling Program

6.1 Introduction

The 2018 soil program consisted of sending a 10-man crew from Dawson City for a 2-day sampling program to collect 966 soil samples with the objective of grid sampling over areas which returned anomalous gold in soil values during reconnaissance sampling.

Sampling of the Wells claims took place on August 10&11 2018.

6.2 Personnel

The soil sampling survey was conducted by the following GroundTruth Exploration personnel:

1. Alan Madsen
2. Alexander Arbery
3. Brendan Cooper
4. Cody Reeves
5. Hans Bauermeister
6. Julien Forrester
7. Justin Leith
8. Marek Pekarik
9. Simon Cash
10. William Loiselle

6.3 Soil Sampling Survey Procedure

The survey is completed in the field according to the following procedure:

All sampling traverses are pre-planned, with pre -specified sampling intervals, typically 50m. Field technicians navigate to sample site using handheld GPS units. The soil sampler arrives at each sample site, identifies the most appropriate location to collect the sample and lays out a sheet of plastic (12”x20” ore bag). The soil sample is taken using an Eijkelkamp brand hand auger at a depth of between 20cm and 110cm. Samplers strive to consistently collect C-Horizon sample material. Where necessary (rocky or frozen ground) a prospector's pick ('mattock') is used to obtain the sample.

The soil is laid out on the sheet of plastic in the order it was recovered from the sample hole. Two Standardized photos are taken at each sample site- 1) Sample Location photo: across slope, 5m from sample hole with auger inserted and 2) Sample Profile photo: Close up of sample laid out on ore bag with barcode tag and munsell color chart in photo.

The sampler places the necessary amount of soil (400-500 grams) from the bottom of the hole into a kraft sample bag. The bag labeled with the 3-letter project and tagged with a

plastic barcode ID tag containing a unique 7 digit sample identification number is inserted. A plastic barcode ID tag with the sample identification number is attached to a rock or branch in a visible area at the sample site along with a length of pink flagging tape.

A field duplicate sample is taken once for every 25 samples. Both samples are given unique Sample identification number. The data for both samples is recorded and a note is made indicating the duplicate and its corresponding sample identification number. At client's discretion, standard reference material is inserted into the sample stream at an interval of 1:50.

The GPS location of the sample site is recorded with a Garmin GPSMap 60cx or 76cx GPS device in UTM NAD 83 format, and the waypoint is labeled with the project name and the sample identification number. A weather-proof handheld device equipped with a barcode scanner is used in the field to record the descriptive attributes of the sample collected. This includes: sample identification number (scanned into device at sample site), soil colour, soil horizon, slope, sample depth, ground and tree vegetation and sample quality and any other relevant information. As well, the GPS coordinates are entered into the handheld device as a secondary backup in case of GPS failure.

6.4 Soil Survey Results

A location map of soil samples collected in 2018 is shown below in Figure 4.

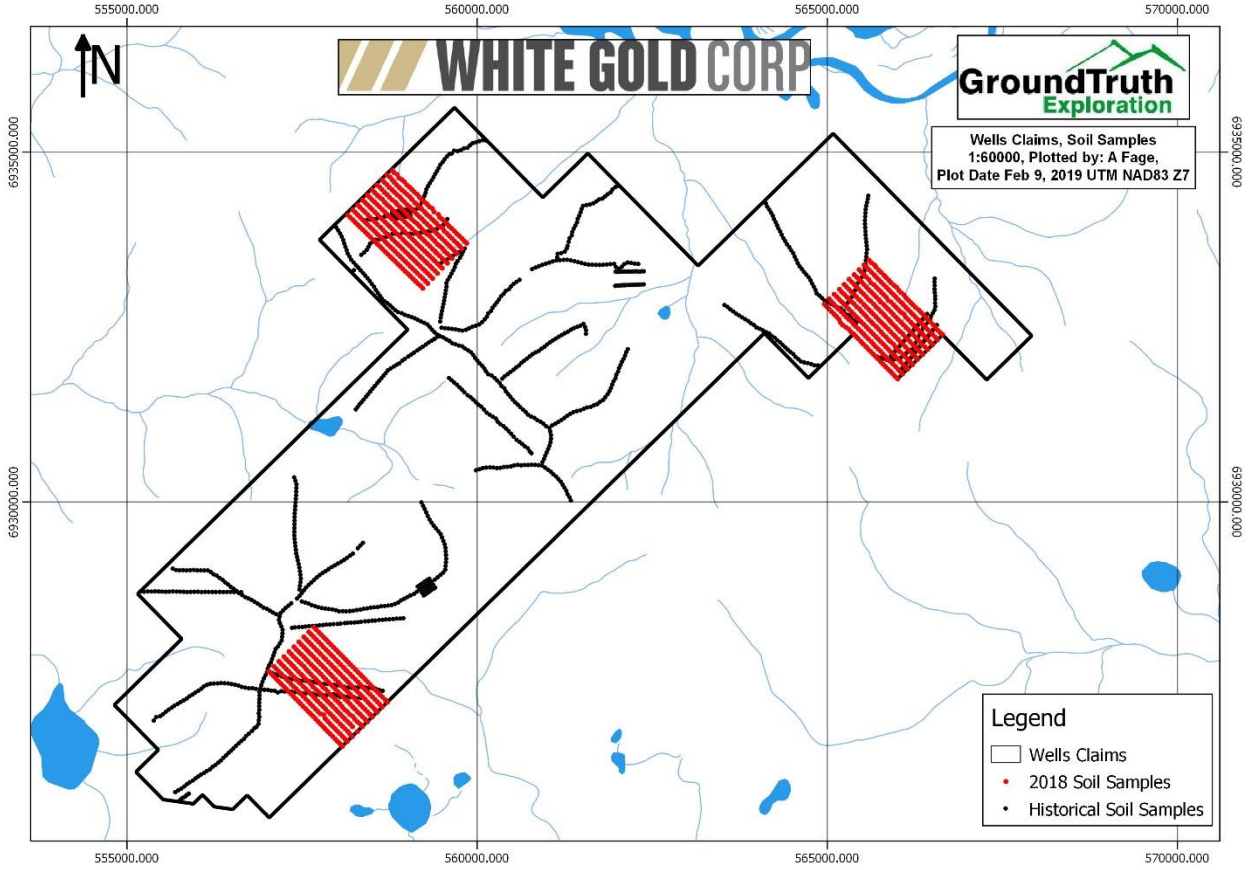

Figure 4: Location of 2018 Soil Samples

Maps shown below in Figures 5-9 are plotted with break points at 80th, 90th, 95th, 98th and 99th percentile for all samples on the property. Several trends anomalous for gold and/or multiple base metals were encountered in the 2018 sampling program. Samples returned up to 15.3.ppb Au.

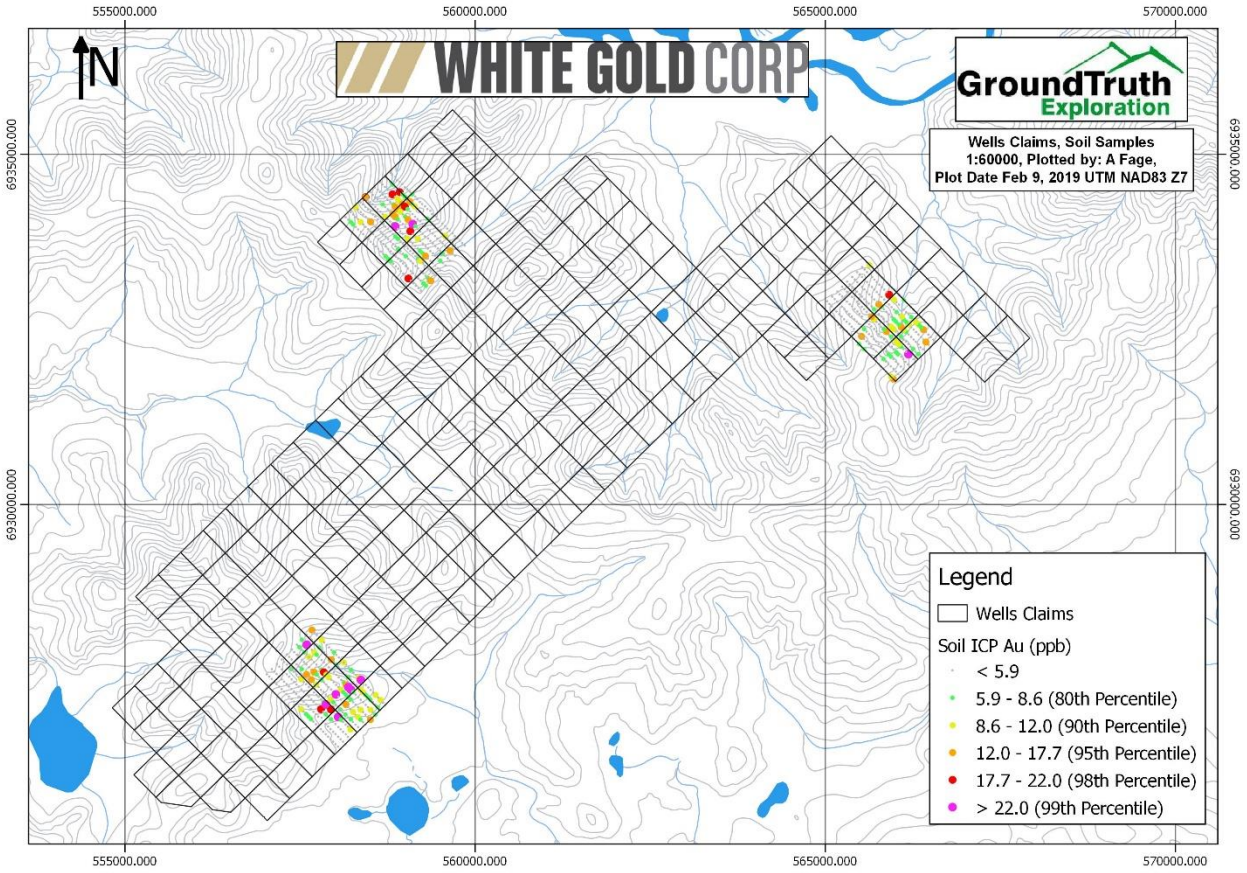

Figure 5: Gold-in-soil, Wells property

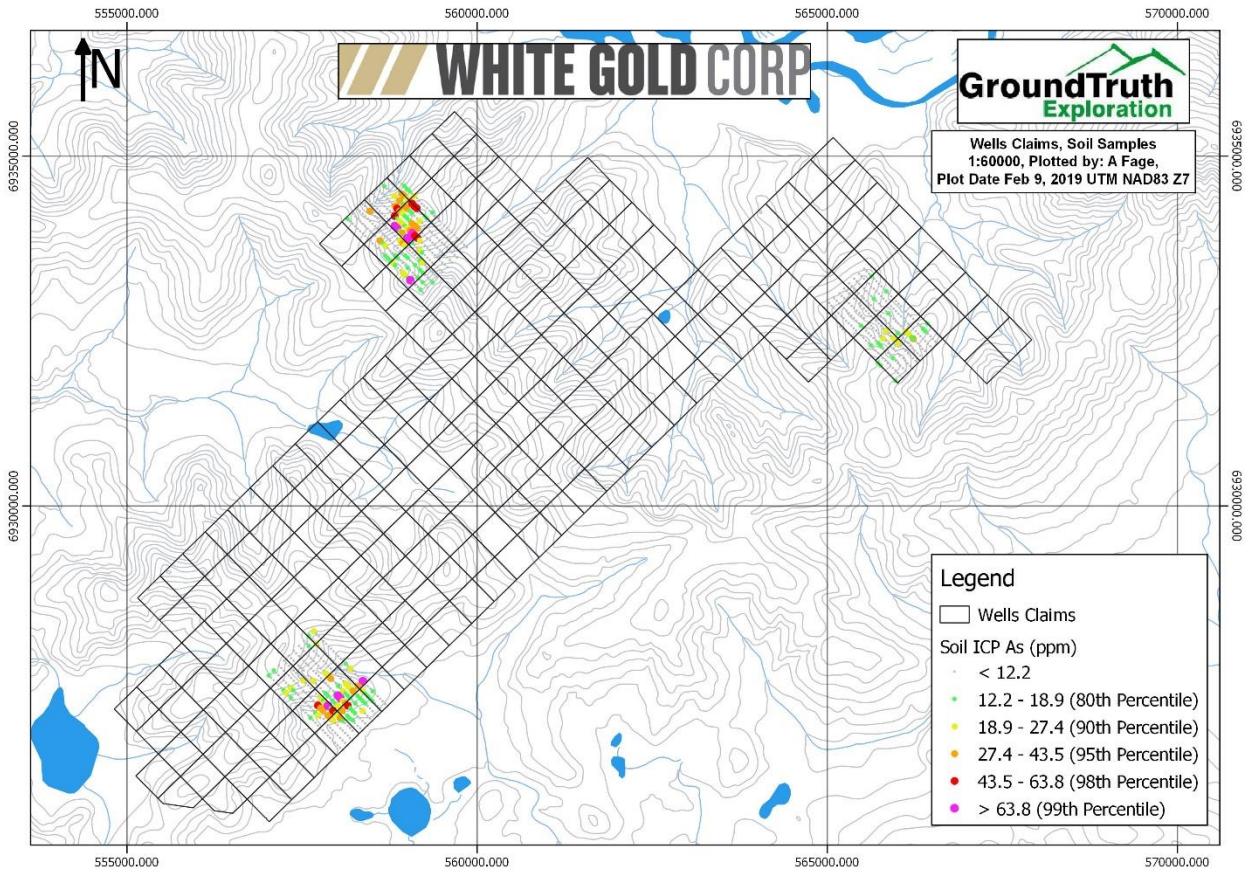

Figure 6: Arsenic-in-soil, Wells Property

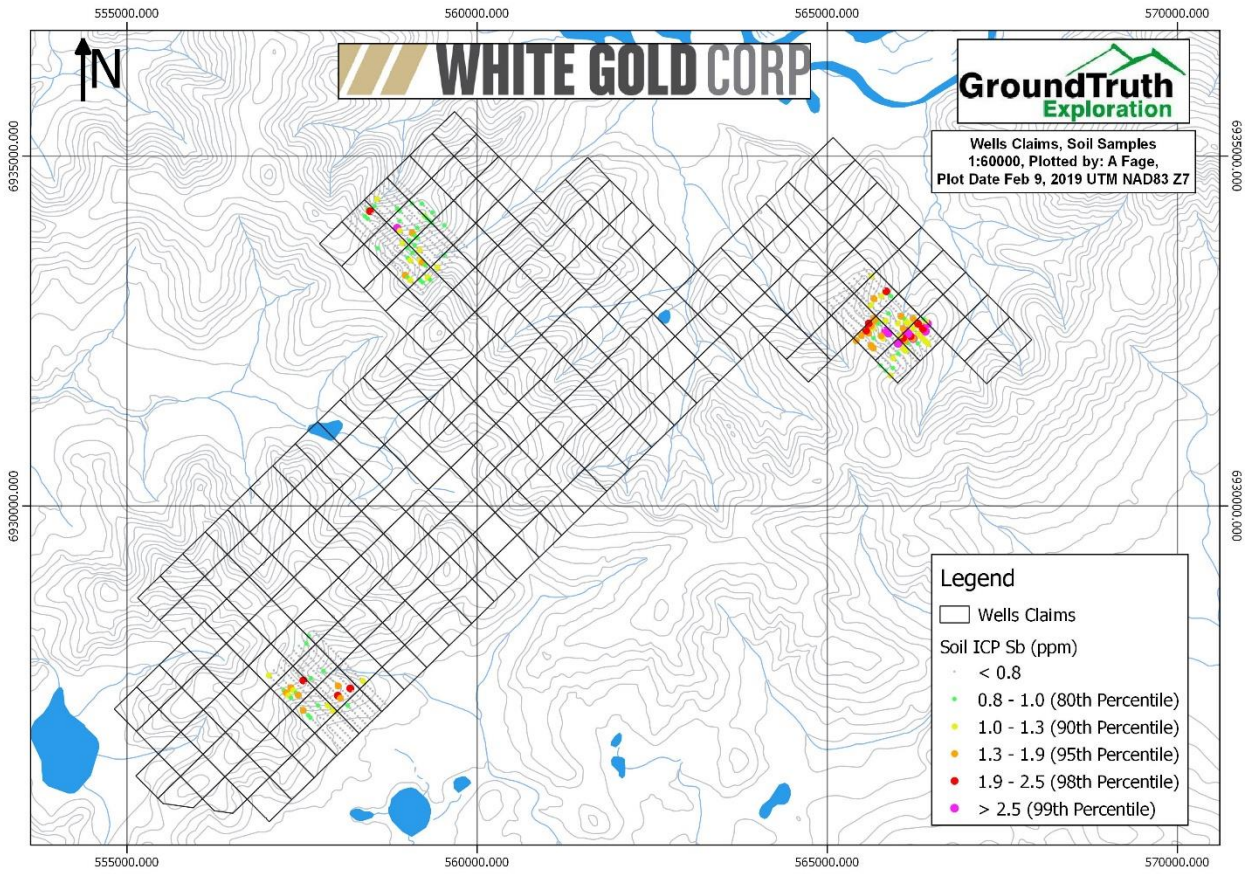

Figure 7: Antimony-in-soil, Wells property

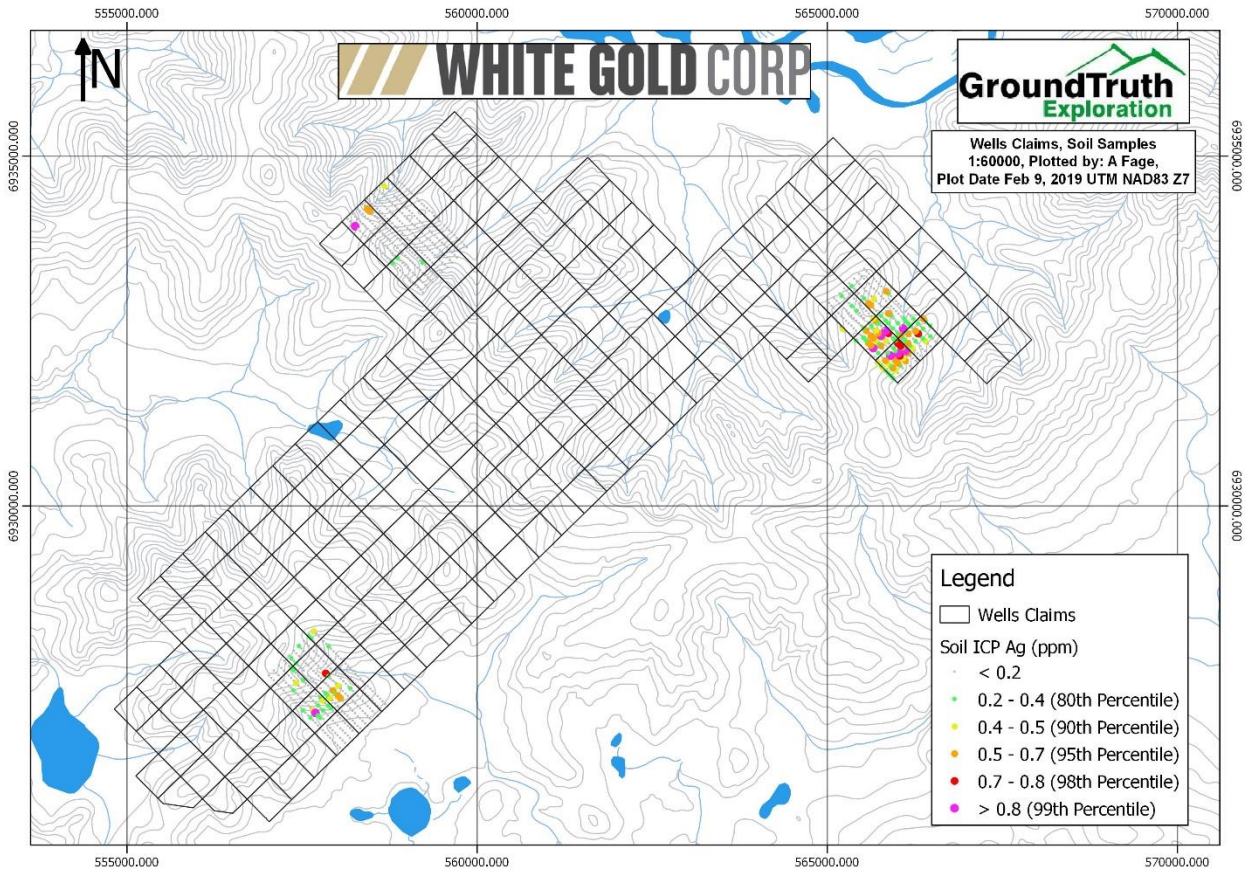

Figure 8: Silver-in-soil, Wells property

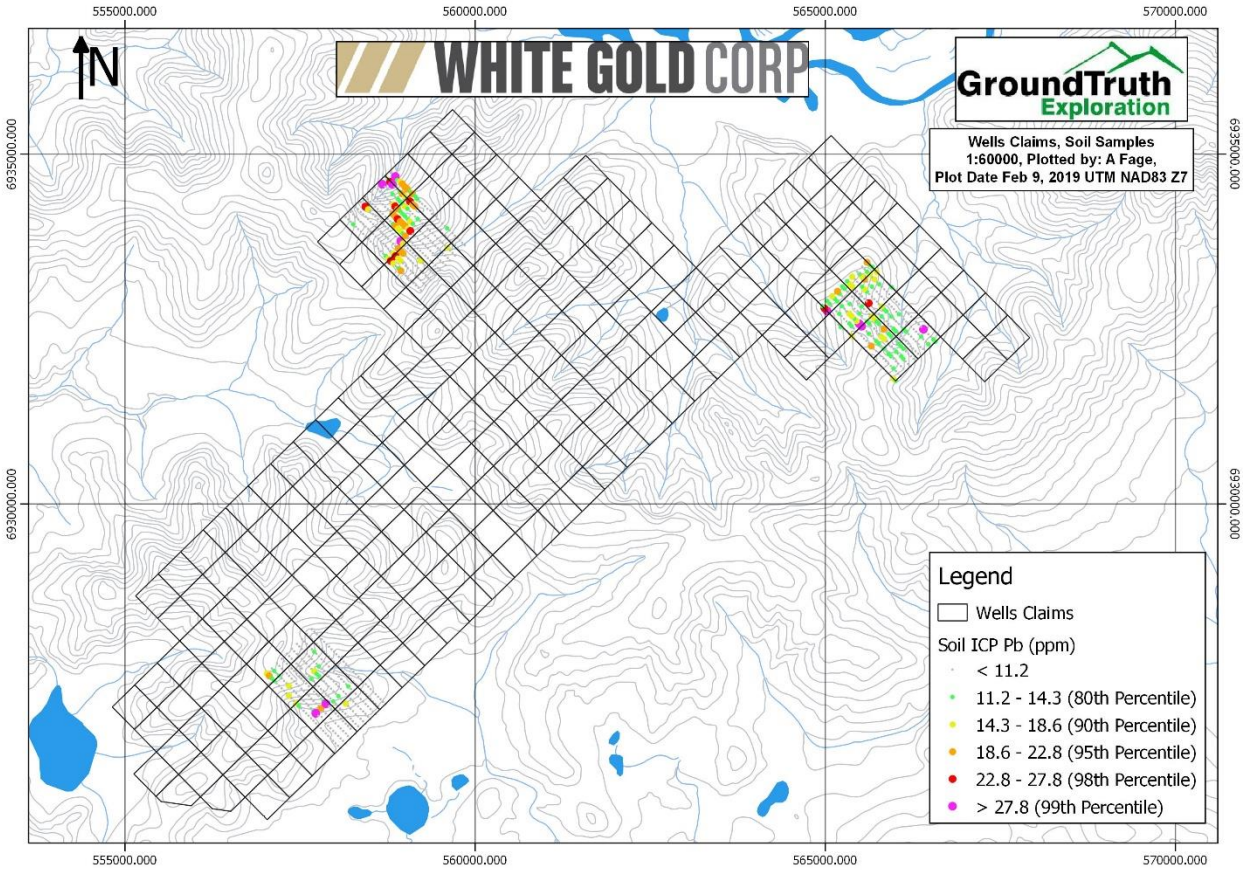

Figure 9: Lead-in-soil, Wells Property

7 Discussion and Interpretation

7.1 Soil Sampling Program

The soil anomalies encountered in the Wells grids are comprised of linear trends with multiple metals defining the trend in each grid area. The southern grid's trend is northeastern and is defined by anomalous As and Au. The northwestern grid's trend is N-S and is defined by anomalous As, Pb and Au. The eastern grid's contains a wide area of anomalous Ag and Sb with no clear trend.

7.2 Interpretation

Anomalous gold in soil results encountered thus far at the Wells property are encouraging. The metal zonation between soil anomalies on the east and west portions of the main soil grid may share more in common with intrusion related gold deposits that

have been found throughout the Tintina Gold Belt in Yukon and Alaska (Fort Knox, Donlin Creek, Dublin Gulch, Pogo). However, it is possible that the character of the multi-element anomalies can be explained by background chemistry of the lithological host rocks; further work is recommended in order to determine the geological significance of these anomalies.

8 Recommendations

1. Expansion of the southern and northwestern soil grids along trend.
2. UAV drone or XCAM orthophotography of the property for baseline information and a lineament study.

9 Costs

Wells Property	**WEL**	Invoices charged to WGO by GroundTruth Exploration
CLIENT: WGO		Invoices: 10011, 10060, 10065, 10076, 10080, 10091
GEOCHEMICAL SURVEYS		
Soil/Till Survey	**Amount**	**Description**
Soil Sampling	$21,252.00	966 samples @ $44/ sample
Soil/Till Surveys	**$21,252.00**	
Management Fee (+8%)	*$1,700.16*	
Total Soil/Till Surveys	**$22,952.16**	
Breakdown:		
Assay Cost	$9,660.00	966 samples at $20/sample
Work Days	15	10 workers, 2 days, 1-2 days worked each
Labour Cost	$11,592.00	
LOGISTICAL SUPPORT		
Helicopter	**Amount**	**Description**
ASTAR B2 and/or Jet Ranger (3hr minimum)	$8,845.00	5.8 hours @ $1525/hr
Fuel	$1,421.00	175L per hour @ $1.40/L
Logistical Support	**$10,266.00**	

Management Fee (+8%)	*$821.28*	
Total Logistical Support	**$11,087.28**	
OTHER/MISC		
Sampling Shipping	$154.50	Freight for soil samples
Other/Misc	**$154.50**	
Management Fee (+8%)	*$12.36*	
Total Other/Misc	**$166.86**	
Total Project Estimated Budget	**$34,206.30**	

10 References

Colpron, M., Israel, S., Murphy, D., Pigage, L. and Moynihan, D., 2016. Yukon Bedrock Geology Map. Yukon Geological Survey, Open File 2016-1, 1:1,000,000 scale map and legend.

Deklerk, R. and Traynor, S. (compilers), 2005. Yukon MINFILE 2005 - A database of mineral occurrences. Yukon Geological Survey

Gordey, S.P. and Makepeace, A.J. (comp.) 2003. Yukon digital geology, version 2.0; Geological Survey of Canada Open File 1749 and Yukon Geological Survey Open File 2003-9(D)

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

Mortensen, J.K. 1992. Pre-mid-Mesozoic tectonic evolution of the Yukon-Tanana terrane, Yukon and Alaska. Tectonics, 11: 836 – 853.

Ryan, J. J., Zagorevski, A., Williams, S. P., Roots, C., Ciolkiewicz, W., Hayward, N., and Chapman, J. B., 2013b, Geology, Stevenson Ridge (northwest part): Yukon: Geological Survey of Canada, Canadian Geoscience Map 117 (2nd edition, preliminary), scale 1:100,000. doi:10.4095/292408.

11 Qualification

I, Adam Fage have continuously been involved in Mineral Exploration since 2004. I graduated from Dalhousie University with an Honours Bachelor of Science (Earth Science) in 2008. I graduated from Lakehead University with a Master's of Science (Geology) in 2011.

Dated this 10th day of March, 2019.

Respectfully submitted

Adam Fage

Appendix A: Claims List

Grant Number	Claim	Owner	Operator
YE76031	WELLS 21	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76032	WELLS 22	White Gold Corp. - 100%	White Gold Corp. - 100%
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YE76179	WELLS 169	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76180	WELLS 170	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76181	WELLS 171	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76182	WELLS 172	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76183	WELLS 173	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76184	WELLS 174	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76185	WELLS 175	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76186	WELLS 176	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76187	WELLS 177	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76188	WELLS 178	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76189	WELLS 179	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76190	WELLS 180	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76191	WELLS 181	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76192	WELLS 182	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76193	WELLS 183	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76194	WELLS 184	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76195	WELLS 185	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76196	WELLS 186	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76197	WELLS 187	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76198	WELLS 188	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76199	WELLS 189	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76200	WELLS 190	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76201	WELLS 191	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76202	WELLS 192	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76203	WELLS 193	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76204	WELLS 194	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76205	WELLS 195	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76206	WELLS 196	White Gold Corp. - 100%	White Gold Corp. - 100%

YE76207	WELLS 197	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76208	WELLS 198	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76209	WELLS 199	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76210	WELLS 200	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76211	WELLS 201	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76212	WELLS 202	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76213	WELLS 203	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76214	WELLS 204	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76215	WELLS 205	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76216	WELLS 206	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76217	WELLS 207	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76218	WELLS 208	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76219	WELLS 209	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76220	WELLS 210	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76221	WELLS 211	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76222	WELLS 212	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76223	WELLS 213	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76224	WELLS 214	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76225	WELLS 215	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76226	WELLS 216	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76228	WELLS 218	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76230	WELLS 220	White Gold Corp. - 100%	White Gold Corp. - 100%
YE76231	WELLS 221	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03810	WELLS 230	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03811	WELLS 231	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03812	WELLS 232	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03813	WELLS 233	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03814	WELLS 234	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03815	WELLS 235	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03816	WELLS 236	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03817	WELLS 237	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03818	WELLS 238	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03819	WELLS 239	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03820	WELLS 240	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03821	WELLS 241	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03822	WELLS 242	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03823	WELLS 243	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03824	WELLS 244	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03825	WELLS 245	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03826	WELLS 246	White Gold Corp. - 100%	White Gold Corp. - 100%

YF03827	WELLS 247	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03828	WELLS 248	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03829	WELLS 249	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03830	WELLS 250	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03831	WELLS 251	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03832	WELLS 252	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03833	WELLS 253	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03834	WELLS 254	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03835	WELLS 255	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03836	WELLS 256	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03837	WELLS 257	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03838	WELLS 258	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03839	WELLS 259	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03840	WELLS 260	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03841	WELLS 261	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03842	WELLS 262	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03843	WELLS 263	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03844	WELLS 264	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03845	WELLS 265	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03846	WELLS 266	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03847	WELLS 267	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03848	WELLS 268	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03849	WELLS 269	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03850	WELLS 270	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03851	WELLS 271	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03852	WELLS 272	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03853	WELLS 273	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03854	WELLS 274	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03855	WELLS 275	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03856	WELLS 276	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03857	WELLS 277	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03858	WELLS 278	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03859	WELLS 279	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03860	WELLS 280	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03861	WELLS 281	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03866	WELLS 286	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03867	WELLS 287	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03868	WELLS 288	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03869	WELLS 289	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03870	WELLS 290	White Gold Corp. - 100%	White Gold Corp. - 100%

YF03871	WELLS 291	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03872	WELLS 292	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03873	WELLS 293	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03874	WELLS 294	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03875	WELLS 295	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03876	WELLS 296	White Gold Corp. - 100%	White Gold Corp. - 100%
YF03877	WELLS 297	White Gold Corp. - 100%	White Gold Corp. - 100%

Appendix B: Statement of Expenditures

Wells Property	**WEL**	Invoices charged to WGO by GroundTruth Exploration
CLIENT: WGO		Invoices: 10011, 10060, 10065, 10076, 10080, 10091
GEOCHEMICAL SURVEYS		
Soil/Till Survey	**Amount**	**Description**
Soil Sampling	$21,252.00	966 samples @ $44/ sample
Soil/Till Surveys	**$21,252.00**	
Management Fee (+8%)	*$1,700.16*	
Total Soil/Till Surveys	**$22,952.16**	
Breakdown:		
Assay Cost	$9,660.00	966 samples at $20/sample
Work Days	15	10 workers, 2 days, 1-2 days worked each
Labour Cost	$11,592.00	
LOGISTICAL SUPPORT		
Helicopter	**Amount**	**Description**
ASTAR B2 and/or Jet Ranger (3hr minimum)	$8,845.00	5.8 hours @ $1525/hr
Fuel	$1,421.00	175L per hour @ $1.40/L
Logistical Support	**$10,266.00**	
Management Fee (+8%)	*$821.28*	
Total Logistical Support	**$11,087.28**	
OTHER/MISC		
Sampling Shipping	$154.50	Freight for soil samples
Other/Misc	**$154.50**	
Management Fee (+8%)	*$12.36*	
Total Other/Misc	**$166.86**	
Total Project Estimated Budget	**$34,206.30**	

Appendix C: Soil Sample Location, Description and Assay Certificates

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1678751	WEL	Alexander Arbery	7/27/2018	07N	566147	6931898	-139.7154281	62.51218473	865	Auger
1678752	WEL	Alexander Arbery	7/27/2018	07N	566114	6931931	-139.716056	62.51248675	888	Auger
1678753	WEL	Alexander Arbery	7/27/2018	07N	566078	6931968	-139.7167406	62.51282519	893	Auger
1678754	WEL	Alexander Arbery	7/27/2018	07N	566043	6932004	-139.7174063	62.51315448	888	Auger
1678755	WEL	Alexander Arbery	7/27/2018	07N	566007	6932040	-139.7180913	62.51348395	897	Auger
1678756	WEL	Alexander Arbery	7/27/2018	07N	565973	6932075	-139.718738	62.51380408	896	Auger
1678757	WEL	Alexander Arbery	7/27/2018	07N	565937	6932111	-139.719423	62.51413354	893	Auger
1678758	WEL	Alexander Arbery	7/27/2018	07N	565902	6932147	-139.7200887	62.51446282	894	Auger
1678759	WEL	Alexander Arbery	7/27/2018	07N	565868	6932183	-139.720735	62.51479192	889	Auger
1678760	WEL	Alexander Arbery	7/27/2018	07N	565833	6932218	-139.7214011	62.51511222	900	Auger
1678761	WEL	Alexander Arbery	7/27/2018	07N	565797	6932255	-139.7220859	62.51545064	890	Auger
1678762	WEL	Alexander Arbery	7/27/2018	07N	565762	6932289	-139.7227524	62.51576196	874	Auger
1678763	WEL	Alexander Arbery	7/27/2018	07N	565727	6932326	-139.7234178	62.5161002	857	Auger
1678764	WEL	Alexander Arbery	7/27/2018	07N	565693	6932361	-139.7240645	62.51642031	868	Auger
1678765	WEL	Alexander Arbery	7/27/2018	07N	565657	6932397	-139.7247497	62.51674974	873	Auger
1678766	WEL	Alexander Arbery	7/27/2018	07N	565622	6932432	-139.7254159	62.51707002	904	Auger
1678767	WEL	Alexander Arbery	7/27/2018	07N	565588	6932467	-139.7260627	62.51739012	887	Auger
1678768	WEL	Alexander Arbery	7/27/2018	07N	565554	6932503	-139.7267091	62.51771919	887	Auger
1678769	WEL	Alexander Arbery	7/27/2018	07N	565518	6932539	-139.7273944	62.51804861	892	Auger
1678770	WEL	Alexander Arbery	7/27/2018	07N	565482	6932575	-139.7280796	62.51837803	876	Auger
1678771	WEL	Alexander Arbery	7/27/2018	07N	565448	6932611	-139.7287261	62.51870709	852	Mattock
1678772	WEL	Alexander Arbery	7/27/2018	07N	565413	6932646	-139.7293924	62.51902735	865	Mattock
1678773	WEL	Alexander Arbery	7/27/2018	07N	565377	6932682	-139.7300777	62.51935676	845	Mattock
1678774	WEL	Alexander Arbery	7/27/2018	07N	565342	6932718	-139.7307436	62.51968599	855	Auger
1678775	WEL	Alexander Arbery	7/27/2018	07N	565342	6932718	-139.7307436	62.51968599	855	
1678776	WEL	Alexander Arbery	7/27/2018	07N	565306	6932754	-139.731429	62.52001539	870	Auger
1678777	WEL	Alexander Arbery	7/27/2018	07N	565273	6932789	-139.7320565	62.52033529	869	Auger
1678778	WEL	Alexander Arbery	7/27/2018	07N	565237	6932825	-139.7327419	62.52066468	855	Mattock
1678779	WEL	Alexander Arbery	7/27/2018	07N	565168	6932896	-139.7340548	62.52131396	835	Auger
1678780	WEL	Alexander Arbery	7/27/2018	07N	565203	6932860	-139.7333888	62.52098475	849	Mattock
1678781	WEL	Alexander Arbery	7/27/2018	07N	565133	6932932	-139.7347208	62.52164317	808	Auger
1678782	WEL	Alexander Arbery	7/27/2018	07N	565097	6932967	-139.7354066	62.52196358	788	Auger
1675033	WEL	Brendan Cooper	7/27/2018	07N	566289	6932039	-139.7126167	62.51342463	821	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1678751	50	B	Pronounced Slo	Chocolate Brow	Poplar	Leaf Cover	Damp	Good	Sand
1678752	50	C	Pronounced Slo	Light Brown	White Spruce	Thin Moss Cover	Damp	Good	Sand
1678753	40	B	Subtle Slope	Chocolate Brow	Birch Forest	Leaf Cover	Dry	Good	Silt
1678754	50	C	Subtle Slope	Light Brown	White Spruce	Bare Soil	Damp	Excellent	Sand
1678755	50	C	Subtle Slope	Chocolate Brow	White Spruce	Bare Soil	Damp	Good	Silt
1678756	50	B	Subtle Slope	Light Brown	White Spruce	Thin Moss Cover	Damp	Good	Silt
1678757	70	C	Pronounced Slo	Chocolate Brow	Black Spruce	Reindeer Moss	Damp	Good	Gravel
1678758	80	C	Pronounced Slo	Chocolate Brow	Black Spruce	Reindeer Moss	Damp	Good	Gravel
1678759	40	B	Pronounced Slo	Light Brown	Birch Forest	Thin Moss Cover	Dry	Good	Silt
1678760	50	B	Pronounced Slo	Chocolate Brow	Birch Forest	Thin Moss Cover	Dry	Good	Silt
1678761	60	C	Pronounced Slo	Light Brown	Black Spruce	Sphagnum Moss > 30cm	Damp	Good	Sand
1678762	70	B	Pronounced Slo	Chocolate Brow	Black Spruce	Reindeer Moss	Damp	Good	Silt
1678763	70	C	Pronounced Slo	Chocolate Brow	Black Spruce	Reindeer Moss	Damp	Good	Sand
1678764	40	B	Pronounced Slo	Light Brown	Birch Forest	Leaf Cover	Damp	Good	Silt
1678765	50	C	Pronounced Slo	Reddish Yellow	Birch Forest	Leaf Cover	Damp	Good	Silt
1678766	50	B	Pronounced Slo	Reddish Brown	Poplar	Leaf Cover	Dry	Good	Silt
1678767	60	C	Pronounced Slo	Chocolate Brow	Old Burn	Burnt Moss	Damp	Good	Sand
1678768	50	B	Pronounced Slo	Dark Brown	Old Burn	Thin Moss Cover	Damp	Poor	Silt
1678769	80	C	Subtle Slope	Grey	Black Spruce	Thin Moss Cover	Damp	Excellent	Silt
1678770	60	B	Pronounced Slo	Light Brown	Dwarf Birch	Thin Moss Cover	Damp	Good	Silt
1678771	40	B	Pronounced Slo	Light Brown	Birch Forest	Thin Moss Cover	Dry	Good	Silt
1678772	40	B	Pronounced Slo	Light Brown	Birch Forest	Leaf Cover	Dry	Good	Silt
1678773	40	B	Subtle Slope	Light Brown	Birch Forest	Leaf Cover	Dry	Poor	Silt
1678774	40	B	Pronounced Slo	Light Brown	Birch Forest	Grass Cover	Dry	Good	Silt
1678775									
1678776	40	B	Pronounced Slo	Light Brown	Willows	Grass Cover	Dry	Good	Silt
1678777	50	C	Pronounced Slo	Light Brown	Birch Forest	Bare Soil	Dry	Good	Sand
1678778	30	B	Pronounced Slo	Light Brown	Birch Forest	Grass Cover	Dry	Good	Silt
1678779	40	B	Pronounced Slo	Chocolate Brow	Birch Forest	Thin Moss Cover	Dry	Good	Silt
1678780	40	B	Subtle Slope	Light Brown	Birch Forest	Leaf Cover	Dry	Good	Silt
1678781	50	B	Pronounced Slo	Chocolate Brow	Birch Forest	Leaf Cover	Damp	Good	Silt
1678782	60	C	Subtle Slope	Chocolate Brow	Birch Forest	Leaf Cover	Damp	Excellent	Sand
1675033	60	C	Subtle Slope	Chocolate Brow	Alders	Leaf Cover	Dry	Excellent	Clay

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1678751	Fine,Organic 10%			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678752	Fine,Rocky Sample,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678753	Fine,Organic 10%,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678754	Fine,Rocky Sample,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678755	Coarse,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678756	Fine,Rocky Terrain,Sandy			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678757	Rocky Sample,Rocky Terrain,Rusty Rock Chip,Sandy			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678758	Rocky Sample,Rocky Terrain,Rusty Rock Chip			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678759	Fine,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678760	Fine,Rocky Sample,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678761	Bright Orange Rust,Fine,Partially Frozen,Rocky Sample,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678762	Bright Orange Rust,Organic 10%,Rocky Sample,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678763	Clay,Fine,Rocky Sample,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678764	Fine,Organic 10%,Rocky Terrain,Sandy			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678765	Fine,Rocky Sample,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678766	Fine,Organic 10%,Sandy			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678767	Fine,Rocky Sample,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678768	Fine,Organic 25%,Partially Frozen,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678769	Bright Orange Rust,Fine,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678770	Bright Orange Rust,Organic 10%,Partially Frozen,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678771	Fine,Rocky Sample,Rocky Terrain,Sandy			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678772	Fine,Organic 10%,Rocky Terrain			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678773	Fine,Organic 10%,Rocky Sample,Rocky Terrain,Talus			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678774	Organic 10%,Rocky Terrain,Sandy			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678775				'00116159	1678774	Soil	THR-20180801-0	White Gold C	WHI18000606
1678776	Fine,Organic 10%,Rocky Terrain,Sandy			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678777	Fine,Sandy			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678778	Fine,Organic 10%,Rocky Terrain,Sandy			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678779	Fine,Rocky Terrain,Sandy			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678780	Fine,Organic 10%,Rocky Terrain,Sandy			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678781	Fine,Organic 10%,Rocky Sample,Sandy			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1678782	Bright Orange Rust,Dull Red Rust,Fine,Rocky Sample,Sandy			'00116159		Soil	THR-20180801-0	White Gold C	WHI18000606
1675033	Clay,Coarse,Rocky Sample,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1678751	8/23/2018	8/9/2018	0.8	29.5	8.8	54	0.1	25.9	14.3	787	3.34	6.6	0.4
1678752	8/23/2018	8/9/2018	1.2	48.6	9.5	65	0.05	47	18	1055	3.67	3.3	0.3
1678753	8/23/2018	8/9/2018	0.8	42.3	9.5	60	0.2	35.9	12.4	1020	2.88	5.6	0.5
1678754	8/23/2018	8/9/2018	1.7	36.3	10.9	67	0.4	24.2	7.9	315	2.86	8.2	0.5
1678755	8/23/2018	8/9/2018	1.6	52	10.5	85	0.7	42.7	19.8	736	4.03	11.5	0.8
1678756	8/23/2018	8/9/2018	1.5	39.2	10.8	79	0.7	29.1	11.7	554	3.05	8.6	0.6
1678757	8/23/2018	8/9/2018	2.1	53.4	12.5	88	0.1	43	15	683	3.78	13.3	0.7
1678758	8/23/2018	8/9/2018	1.5	48.9	11.5	74	0.9	39.5	10.4	239	3.24	8.8	0.5
1678759	8/23/2018	8/9/2018	1.2	30.9	8.6	67	0.3	21.1	9.9	744	2.48	6.7	0.3
1678760	8/23/2018	8/9/2018	1.4	31.8	14.3	68	0.1	28.2	13.2	1093	3.33	8.8	0.5
1678761	8/23/2018	8/9/2018	1.2	45	10.5	63	0.05	25.8	11.3	1338	2.37	6.2	0.5
1678762	8/23/2018	8/9/2018	3.2	50.3	12.1	45	0.7	24.9	9.1	616	1.7	14.6	1
1678763	8/23/2018	8/9/2018	3.7	39.9	12.8	92	0.4	36.8	12.4	1561	2.55	13.3	0.7
1678764	8/23/2018	8/9/2018	1.2	21.1	8.2	37	0.5	14.5	4.6	124	2.03	5.3	0.2
1678765	8/23/2018	8/9/2018	1.7	26.4	10.6	52	0.7	25	10.8	241	3.52	11.8	0.4
1678766	8/23/2018	8/9/2018	1.9	34	11.5	82	0.7	26.3	14	554	3.79	11.3	0.6
1678767	8/23/2018	8/9/2018	1.5	43.9	10.5	54	0.2	26	11.6	272	3.09	11	0.6
1678768	8/23/2018	8/9/2018	1.6	61.7	8.7	69	0.6	46	13.1	1713	2.35	9.3	1.3
1678769	8/23/2018	8/9/2018	0.5	28.6	48.4	70	0.4	19	9.4	227	2.29	6.3	2.8
1678770	8/23/2018	8/9/2018	1.5	24	29	87	0.2	19.2	12.5	464	3.34	17.9	1.5
1678771	8/23/2018	8/9/2018	0.9	18.2	15.9	54	0.05	19.1	12.1	295	3.5	7.6	0.5
1678772	8/23/2018	8/9/2018	0.7	18.2	13.5	45	0.05	16.9	9.5	258	2.8	6.7	0.5
1678773	8/23/2018	8/9/2018	1.3	16.4	18.5	72	0.05	17.4	12.1	421	3.88	10.7	0.4
1678774	8/23/2018	8/9/2018	0.9	19.2	17.8	59	0.05	13.1	11	444	3.78	7.2	0.7
1678775	8/23/2018	8/9/2018	0.4	22.8	16.1	60	0.05	11.5	9.6	410	3.75	4.3	0.8
1678776	8/23/2018	8/9/2018	1	20.6	11.1	46	0.1	19.6	10.8	456	2.84	7	0.6
1678777	8/23/2018	8/9/2018	1.5	17.7	10.5	83	0.05	20.5	13.4	1090	3.38	10.2	0.4
1678778	8/23/2018	8/9/2018	1.5	20.1	13.9	51	0.05	22.1	12.6	351	3.65	10.1	0.4
1678779	8/23/2018	8/9/2018	0.7	15.2	11.6	39	0.05	15.6	8.5	230	2.83	6.6	0.5
1678780	8/23/2018	8/9/2018	0.9	18	10.3	44	0.05	15.8	7.8	327	2.42	6	0.5
1678781	8/23/2018	8/9/2018	0.4	23.3	11.7	50	0.05	15.5	9.9	422	3.01	4.3	1
1678782	8/23/2018	8/9/2018	0.4	15.3	15.6	47	0.05	13.8	9	323	2.37	4.4	0.8
1675033	8/23/2018	8/9/2018	0.7	60.9	9	64	0.2	36.4	16.1	811	3.31	12.2	0.6

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1678751	3.6	1.8	36	0.1	0.4	0.2	77	0.56	0.037	7	39	0.74	362
1678752	2.2	2.5	31	0.2	0.4	0.2	48	0.42	0.072	18	34	0.92	865
1678753	3.7	2.5	31	0.2	0.4	0.2	57	0.54	0.046	16	36	0.66	1736
1678754	5.9	3.4	23	0.05	0.8	0.2	64	0.19	0.033	16	27	0.37	630
1678755	4.7	3.6	23	0.05	0.6	0.2	92	0.25	0.046	10	51	0.67	1075
1678756	4.9	2.1	22	0.05	0.6	0.2	71	0.19	0.039	11	32	0.48	944
1678757	6	2.8	24	0.05	1.1	0.2	79	0.15	0.051	15	37	0.44	544
1678758	7.7	1.9	22	0.05	0.8	0.2	80	0.18	0.033	10	38	0.43	643
1678759	2.6	1.6	21	0.2	0.6	0.2	65	0.24	0.033	8	27	0.35	638
1678760	4.9	2.8	30	0.05	0.5	0.2	80	0.38	0.03	12	40	0.7	1010
1678761	1.8	1.9	25	0.05	0.4	0.1	55	0.29	0.042	10	28	0.42	922
1678762	2	0.5	22	0.2	0.4	0.2	31	0.2	0.066	12	22	0.2	801
1678763	3.4	2.2	21	0.1	0.4	0.2	61	0.23	0.046	11	36	0.56	353
1678764	1.9	1.2	19	0.05	0.7	0.1	60	0.17	0.026	7	19	0.2	416
1678765	3.1	1.9	18	0.05	0.9	0.2	89	0.17	0.021	8	40	0.52	598
1678766	5.1	1.9	22	0.1	0.8	0.2	94	0.24	0.031	9	45	0.48	925
1678767	4.8	2.8	20	0.05	1.4	0.2	75	0.24	0.038	11	37	0.48	866
1678768	7.6	1.2	83	0.4	2.1	0.1	53	1.25	0.076	15	30	0.49	1866
1678769	2.7	10.5	39	0.3	0.8	0.4	42	0.36	0.093	49	30	0.84	1016
1678770	3.8	8.3	63	0.2	0.4	0.2	57	0.62	0.054	103	32	0.76	1211
1678771	3.1	3.9	23	0.1	0.3	0.2	70	0.33	0.053	13	32	0.69	208
1678772	1.5	3.3	34	0.05	0.3	0.2	68	0.48	0.036	17	29	0.61	187
1678773	1.6	3.5	21	0.1	0.4	0.2	81	0.25	0.132	11	30	0.62	135
1678774	2.5	4.8	49	0.05	0.4	0.2	53	0.54	0.065	17	21	0.91	193
1678775	0.9	6.7	66	0.05	0.2	0.2	33	0.62	0.073	25	15	1.01	200
1678776	1.7	3.4	31	0.05	0.4	0.1	64	0.43	0.041	18	32	0.58	258
1678777	1.2	2.1	28	0.2	0.4	0.2	84	0.52	0.053	10	36	0.6	258
1678778	4.9	2.4	18	0.1	0.4	0.2	83	0.23	0.077	8	37	0.48	162
1678779	4.8	3.2	22	0.05	0.2	0.1	65	0.34	0.032	11	30	0.64	161
1678780	1.8	1.9	26	0.2	0.3	0.2	70	0.33	0.04	12	29	0.52	153
1678781	1.1	4.8	34	0.05	0.2	0.1	65	0.54	0.079	26	28	0.84	201
1678782	0.25	6.7	30	0.05	0.2	0.2	54	0.47	0.065	26	25	0.64	216
1675033	4.4	3.4	40	0.1	0.5	0.1	64	0.84	0.051	18	38	0.71	837

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1678751	0.097	2	2.15	0.02	0.11	0.05	0.02	4.6	0.05	0.025	7	0.25	0.1
1678752	0.035	2	1.89	0.014	0.08	0.05	0.02	3.2	0.05	0.025	5	0.25	0.1
1678753	0.051	2	1.78	0.022	0.08	0.05	0.05	5.2	0.05	0.025	6	0.25	0.1
1678754	0.057	2	1.39	0.011	0.09	0.05	0.04	3.4	0.05	0.025	5	0.25	0.1
1678755	0.089	2	2.84	0.019	0.08	0.05	0.04	5.5	0.1	0.025	7	0.25	0.1
1678756	0.065	2	1.78	0.015	0.06	0.05	0.07	3.5	0.1	0.025	6	0.25	0.1
1678757	0.07	2	2	0.011	0.06	0.1	0.03	3.9	0.1	0.025	7	0.25	0.1
1678758	0.076	2	2.02	0.012	0.05	0.05	0.09	3.7	0.1	0.025	7	0.5	0.1
1678759	0.069	2	1.19	0.023	0.08	0.05	0.03	3.2	0.05	0.025	6	0.7	0.1
1678760	0.071	1	2.37	0.017	0.07	0.05	0.03	4.1	0.1	0.025	7	0.25	0.1
1678761	0.051	2	1.52	0.018	0.09	0.05	0.03	3.7	0.05	0.025	6	0.25	0.1
1678762	0.032	2	1.07	0.013	0.05	0.05	0.1	2.9	0.1	0.025	4	0.25	0.1
1678763	0.045	1	1.63	0.013	0.06	0.1	0.06	3.7	0.1	0.025	5	0.25	0.1
1678764	0.062	0.5	0.7	0.01	0.06	0.05	0.04	1.7	0.1	0.025	5	0.25	0.1
1678765	0.082	1	1.96	0.012	0.06	0.1	0.02	3.5	0.05	0.025	7	0.25	0.1
1678766	0.059	1	2.21	0.015	0.04	0.05	0.04	4.2	0.1	0.025	8	0.25	0.1
1678767	0.059	1	1.84	0.011	0.07	0.1	0.04	3.5	0.05	0.025	6	0.8	0.1
1678768	0.033	4	1.33	0.013	0.08	0.05	0.33	5.9	0.3	0.1	3	1.7	0.1
1678769	0.036	0.5	1.79	0.011	0.04	0.1	0.15	4.2	0.2	0.025	5	1	0.1
1678770	0.025	0.5	2.31	0.013	0.08	0.1	0.05	5	0.2	0.06	7	0.6	0.1
1678771	0.069	1	2.09	0.016	0.07	0.2	0.02	3.6	0.1	0.025	7	0.25	0.1
1678772	0.099	0.5	1.89	0.016	0.05	0.1	0.01	3.6	0.1	0.025	7	0.25	0.1
1678773	0.108	1	2.04	0.014	0.09	0.2	0.02	4.1	0.2	0.025	8	0.25	0.1
1678774	0.149	1	2.25	0.012	0.11	0.2	0.01	3.7	0.2	0.025	7	0.25	0.1
1678775	0.168	0.5	2.47	0.011	0.13	0.2	0.01	4	0.2	0.025	7	0.25	0.1
1678776	0.101	1	2.11	0.021	0.07	0.1	0.03	4.6	0.1	0.025	7	0.25	0.1
1678777	0.095	1	2.11	0.017	0.08	0.05	0.02	4.9	0.3	0.025	8	0.25	0.1
1678778	0.094	1	2.56	0.015	0.06	0.1	0.01	4.2	0.1	0.025	8	0.25	0.1
1678779	0.093	1	2.07	0.014	0.09	0.1	0.01	3.6	0.1	0.025	6	0.25	0.1
1678780	0.098	1	1.87	0.02	0.06	0.1	0.02	3.9	0.1	0.025	7	0.25	0.1
1678781	0.109	0.5	1.98	0.025	0.07	0.1	0.02	4.8	0.1	0.025	6	0.25	0.1
1678782	0.082	0.5	1.78	0.017	0.11	0.05	0.005	3.6	0.1	0.025	5	0.25	0.1
1675033	0.084	3	2.02	0.033	0.1	0.1	0.04	6.6	0.1	0.025	5	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1675034	WEL	Brendan Cooper	7/27/2018	07N	566257	6932072	-139.7132252	62.51372649	817	Auger
1675035	WEL	Brendan Cooper	7/27/2018	07N	566221	6932109	-139.7139098	62.51406495	832	Auger
1675036	WEL	Brendan Cooper	7/27/2018	07N	566186	6932145	-139.7145755	62.51439425	869	Auger
1675037	WEL	Brendan Cooper	7/27/2018	07N	566151	6932180	-139.7152415	62.51471458	831	Auger
1675038	WEL	Brendan Cooper	7/27/2018	07N	566115	6932216	-139.7159266	62.51504406	839	Auger
1675039	WEL	Brendan Cooper	7/27/2018	07N	566080	6932251	-139.7165926	62.51536438	831	Auger
1675040	WEL	Brendan Cooper	7/27/2018	07N	566046	6932287	-139.7172389	62.51569349	795	Auger
1675041	WEL	Brendan Cooper	7/27/2018	07N	566010	6932322	-139.7179244	62.51601399	819	Auger
1675042	WEL	Brendan Cooper	7/27/2018	07N	565973	6932361	-139.7186278	62.51637055	802	Auger
1675043	WEL	Brendan Cooper	7/27/2018	07N	565940	6932394	-139.7192558	62.51667256	808	Auger
1675044	WEL	Brendan Cooper	7/27/2018	07N	565905	6932430	-139.7199216	62.51700184	812	Auger
1675045	WEL	Brendan Cooper	7/27/2018	07N	565871	6932468	-139.7205671	62.51734888	816	Auger
1675046	WEL	Brendan Cooper	7/27/2018	07N	565834	6932502	-139.7212725	62.51766056	780	Auger
1675047	WEL	Brendan Cooper	7/27/2018	07N	565801	6932536	-139.7219002	62.51797153	781	Auger
1675048	WEL	Brendan Cooper	7/27/2018	07N	565765	6932572	-139.7225854	62.51830098	849	Auger
1675049	WEL	Brendan Cooper	7/27/2018	07N	565695	6932644	-139.7239171	62.5189595	812	Auger
1675050	WEL	Brendan Cooper	7/27/2018	07N	565695	6932644	-139.7239171	62.5189595	812	
1675051	WEL	Brendan Cooper	7/27/2018	07N	565731	6932606	-139.7232326	62.51861212	806	Auger
1675052	WEL	Brendan Cooper	7/27/2018	07N	565659	6932680	-139.7246023	62.51928894	807	Auger
1675053	WEL	Brendan Cooper	7/27/2018	07N	565626	6932714	-139.7252301	62.51959989	799	Auger
1675054	WEL	Brendan Cooper	7/27/2018	07N	565591	6932750	-139.725896	62.51992914	765	Auger
1675055	WEL	Brendan Cooper	7/27/2018	07N	565555	6932786	-139.7265813	62.52025857	799	Auger
1675056	WEL	Brendan Cooper	7/27/2018	07N	565520	6932822	-139.7272472	62.52058781	792	Auger
1675057	WEL	Brendan Cooper	7/27/2018	07N	565479	6932864	-139.7280274	62.52097196	800	Auger
1675058	WEL	Brendan Cooper	7/27/2018	07N	565450	6932893	-139.7285794	62.52123732	822	Auger
1675059	WEL	Brendan Cooper	7/27/2018	07N	565414	6932931	-139.729264	62.52158468	842	Auger
1675060	WEL	Brendan Cooper	7/27/2018	07N	565381	6932964	-139.7298923	62.52188664	817	Auger
1675061	WEL	Brendan Cooper	7/27/2018	07N	565344	6933001	-139.7305967	62.52222519	826	Auger
1675062	WEL	Brendan Cooper	7/27/2018	07N	565309	6933037	-139.7312627	62.52255442	812	Auger
1675063	WEL	Brendan Cooper	7/27/2018	07N	565274	6933073	-139.7319287	62.52288364	805	Auger
1675064	WEL	Brendan Cooper	7/27/2018	07N	565240	6933107	-139.7325761	62.52319474	771	Auger
1676783	WEL	Hans Bauermeiste	7/27/2018	07N	566004	6931757	-139.7182586	62.51094494	854	Auger
1676784	WEL	Hans Bauermeiste	7/27/2018	07N	565971	6931790	-139.7188866	62.51124694	887	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1675034	60	C	Pronounced Slo	Dark Brown	Alders	Leaf Cover	Dry	Good	Silt
1675035	70	C	Pronounced Slo	Grey	White Spruce	Reindeer Moss	Dry	Excellent	Silt
1675036	50	B	Pronounced Slo	Dark Grey Black	White Spruce	Reindeer Moss	Damp	Poor	Silt
1675037	40	C	Subtle Slope	Light Brown	Dwarf Birch	Leaf Cover	Dry	Good	Silt
1675038	50	C	Subtle Slope	Chocolate Brow	Dwarf Birch	Bare Soil	Dry	Good	Clay
1675039	60	C	Pronounced Slo	Chocolate Brow	Black Spruce	Reindeer Moss	Dry	Poor	Sand
1675040	80	C	Pronounced Slo	Dark Brown	Black Spruce	Reindeer Moss	Damp	Excellent	Silt
1675041	60	C	Pronounced Slo	Dark Brown	White Spruce	Reindeer Moss	Damp	Good	Silt
1675042	40	C	Pronounced Slo	Light Brown	Dwarf Birch	Leaf Cover	Dry	Good	Clay
1675043	50	C	Pronounced Slo	Light Brown	Dwarf Birch	Leaf Cover	Dry	Good	Silt
1675044	60	C	Pronounced Slo	Dark Brown	Black Spruce	Reindeer Moss	Damp	Poor	Sand
1675045	40	B	Pronounced Slo	Dark Brown	Black Spruce	Reindeer Moss	Wet	Poor	Silt
1675046	50	C	Subtle Slope	Greyish Green	Dwarf Birch	Leaf Cover	Dry	Good	Clay
1675047	40	C	Pronounced Slo	Chocolate Brow	Poplar	Leaf Cover	Dry	Poor	Clay
1675048	50	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Leaf Cover	Dry	Good	Silt
1675049	50	C	Subtle Slope	Chocolate Brow	Dwarf Birch	Bare Soil	Damp	Good	Silt
1675050									
1675051	50	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Leaf Cover	Dry	Good	Clay
1675052	50	C	Subtle Slope	Dark Brown	Alders	Sphagnum Moss < 30cm	Damp	Good	Clay
1675053	50	B	Subtle Slope	Dark Brown	Alders	Grass Cover	Damp	Poor	Clay
1675054	60	C	Pronounced Slo	Dark Brown	White Spruce	Needle Cover	Damp	Good	Clay
1675055	40	B	Pronounced Slo	Dark Grey Black	White Spruce	Reindeer Moss	Damp	Poor	Clay
1675056	50	C	Pronounced Slo	Dark Brown	Alders	Bare Soil	Damp	Good	Silt
1675057	50	C	Pronounced Slo	Chocolate Brow	Alders	Grass Cover	Dry	Good	Silt
1675058	50	C	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Dry	Good	Silt
1675059	50	C	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Damp	Good	Silt
1675060	40	C	Subtle Slope	Chocolate Brow	Old Burn	Grass Cover	Dry	Good	Clay
1675061	50	C	Flat	Chocolate Brow	Birch Forest	Leaf Cover	Dry	Good	Silt
1675062	50	C	Subtle Slope	Chocolate Brow	Birch Forest	Leaf Cover	Dry	Good	Silt
1675063	40	C	Subtle Slope	Chocolate Brow	Old Burn	Bare Soil	Dry	Good	Silt
1675064	60	C	Subtle Slope	Chocolate Brow	Balsam Fir	Grass Cover	Damp	Good	Silt
1676783	50	B	Pronounced Slo	Reddish Brown	Poplar	Grass Cover	Dry	Poor	Clay
1676784	60	C	Pronounced Slo	Light Brown	Poplar	Leaf Cover	Dry	Poor	Sand

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1675034	Clay,Coarse,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675035	Clay,Coarse,Rocky Sample,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675036	Clay,Coarse,Organic 10%,Partially Frozen,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675037	Clay,Coarse,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675038	Clay,Coarse,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675039	Coarse,Quartz Chips,Rocky Sample,Rusty Rock Chip			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675040	Clay,Coarse,Rocky Sample			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675041	Clay,Coarse,Rocky Sample			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675042	Clay,Coarse,Rocky Sample			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675043	Clay,Coarse,Rocky Sample			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675044	Coarse,Rocky Sample			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675045	Clay,Coarse,Rocky Sample,Wet Soil			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675046	Clay,Coarse,Rocky Sample			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675047	Clay			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675048	Clay,Coarse,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675049	Clay,Coarse,Quartz Chips,Rocky Sample,Rusty Rock Chip,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675050				'00116156	1675049	Soil	THR-20180801-0	White Gold C	WHI18000606
1675051	Clay,Coarse,Rocky Sample			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675052	Clay,Rocky Sample,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675053	Clay,Coarse,Organic 10%,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675054	Clay,Coarse,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675055	Clay,Coarse,Organic 10%,Partially Frozen,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675056	Clay,Coarse,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675057	Clay,Coarse,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675058	Clay,Coarse,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675059	Clay,Coarse,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675060	Clay,Coarse,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675061	Clay,Coarse,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675062	Clay,Coarse,Sandy			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675063	Clay,Coarse			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1675064	Clay,Coarse			'00116156		Soil	THR-20180801-0	White Gold C	WHI18000606
1676783	Clay,Rocky Sample,Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676784	Clay,Rocky Sample			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1675034	8/23/2018	8/9/2018	0.5	86.4	10.2	59	0.2	38	14.2	956	2.77	6.5	0.6
1675035	8/23/2018	8/9/2018	0.7	81.7	8.7	60	0.2	35.1	13.3	1081	2.3	4	0.6
1675036	8/23/2018	8/9/2018	0.2	101	6.6	47	0.2	35	10.7	848	1.96	3.2	1.2
1675037	8/23/2018	8/9/2018	2	41.2	10.9	69	0.7	28.2	8.3	463	2.99	9.4	0.5
1675038	8/23/2018	8/9/2018	1.7	51.1	12.7	75	1	34.4	7.4	176	3.04	10.3	1
1675039	8/23/2018	8/9/2018	2.3	39.8	14.3	88	0.4	38.6	10.9	414	2.87	9.3	0.6
1675040	8/23/2018	8/9/2018	0.9	64	13.3	94	0.8	39.4	14.1	419	2.74	7.5	1.3
1675041	8/23/2018	8/9/2018	2.5	73.4	10.5	87	0.8	52.2	12.3	3606	2.46	19	0.9
1675042	8/23/2018	8/9/2018	1.4	53.9	7.4	69	0.4	40.1	11	896	2.91	8.1	0.6
1675043	8/23/2018	8/9/2018	4.9	93.6	14.3	109	0.3	53.9	16.3	1315	2.78	22.3	1
1675044	8/23/2018	8/9/2018	2.5	49.8	12	92	0.2	37.1	10.5	389	2.34	6.5	0.6
1675045	8/23/2018	8/9/2018	1.7	38.1	10.6	79	0.8	31.2	16.8	3157	3.1	11.5	0.7
1675046	8/23/2018	8/9/2018	13.4	38.2	19.9	73	0.9	25.9	7.8	258	3.04	21.6	0.8
1675047	8/23/2018	8/9/2018	1.2	29.1	9.9	53	0.2	25.6	10.2	792	2.65	6.4	0.4
1675048	8/23/2018	8/9/2018	1.2	25.5	12.5	65	0.2	27.8	11.6	566	2.66	5.9	0.3
1675049	8/23/2018	8/9/2018	1.1	58.3	14.9	89	0.6	40.3	10.3	351	3.11	8.4	0.8
1675050	8/23/2018	8/9/2018	1	65.9	15.4	93	0.7	44.1	11.2	274	3.01	7.9	1
1675051	8/23/2018	8/9/2018	1.5	35.4	13.7	80	0.3	35.7	16.9	1881	3.64	11.7	0.4
1675052	8/23/2018	8/9/2018	1.2	55.3	16.8	81	0.5	34.5	12	372	3.25	9.9	0.7
1675053	8/23/2018	8/9/2018	0.6	22	7.5	41	0.1	16.3	4.7	140	1.48	3.4	0.5
1675054	8/23/2018	8/9/2018	0.6	33.9	10.9	64	0.05	24.4	10.3	368	2.76	5.6	0.9
1675055	8/23/2018	8/9/2018	0.6	26.7	4.5	34	0.05	9.6	6.4	541	1.19	1.8	1.1
1675056	8/23/2018	8/9/2018	0.6	30.7	11.4	56	0.1	14.2	11.3	355	2.56	3.6	1.3
1675057	8/23/2018	8/9/2018	0.7	26.7	10.3	58	0.05	19.7	16	483	3.71	7.1	0.9
1675058	8/23/2018	8/9/2018	1.3	18.5	8.7	60	0.1	13.1	9	337	2.51	5.5	0.4
1675059	8/23/2018	8/9/2018	1.3	22.9	9.5	57	0.2	16.8	12.6	970	2.55	5.8	0.5
1675060	8/23/2018	8/9/2018	1.6	23.5	9.8	99	0.1	16.9	12.1	3067	2.47	7.2	0.6
1675061	8/23/2018	8/9/2018	1	22.9	8.9	36	0.2	16	7.1	228	2.33	5.6	0.7
1675062	8/23/2018	8/9/2018	0.7	17.3	10.2	43	0.05	15.1	7.4	167	2.15	6.2	0.8
1675063	8/23/2018	8/9/2018	0.6	27.3	11.4	45	0.1	15.1	7.9	317	2.25	4.5	2
1675064	8/23/2018	8/9/2018	0.7	25.1	12.7	58	0.05	19.4	8.6	366	2.63	6.3	1.7
1676783	8/23/2018	8/9/2018	1.2	64.7	11.5	57	0.2	38.8	16.4	996	3.54	9.4	0.8
1676784	8/23/2018	8/9/2018	1	80.3	16.6	78	0.2	39	15.3	1058	3.26	13.1	0.7

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1675034	5.8	2.1	53	0.2	0.4	0.2	46	1.4	0.056	22	32	0.74	1415
1675035	5.1	1.9	49	0.2	0.4	0.1	40	1.64	0.07	15	32	0.78	1144
1675036	31.5	1	57	0.3	0.4	0.1	33	2.47	0.065	9	23	0.51	1618
1675037	4.4	2.7	28	0.05	0.8	0.2	66	0.21	0.034	11	27	0.4	1078
1675038	3.6	3.1	25	0.1	1.1	0.2	65	0.21	0.034	14	27	0.34	1612
1675039	6	3.9	22	0.1	1.1	0.3	54	0.16	0.028	17	24	0.3	987
1675040	8.8	2.6	32	0.2	0.8	0.2	52	0.32	0.056	17	29	0.48	1166
1675041	9.5	1.4	88	0.1	3.9	0.2	43	0.65	0.044	9	29	0.37	1002
1675042	3.4	2.9	37	0.05	0.7	0.2	64	0.25	0.021	10	40	0.74	775
1675043	6.2	4.2	48	0.1	0.6	0.3	33	0.18	0.056	25	16	0.43	1127
1675044	3.3	1.6	21	0.1	0.5	0.2	44	0.18	0.031	10	23	0.35	295
1675045	12.3	2.1	30	0.2	2.7	0.2	56	0.29	0.049	11	32	0.43	433
1675046	6.2	3.4	114	0.3	4.3	0.2	72	0.21	0.062	15	26	0.27	820
1675047	3.6	2.2	36	0.2	0.7	0.1	72	0.35	0.029	10	30	0.46	682
1675048	3.2	2.2	42	0.2	0.7	0.2	62	0.43	0.03	9	33	0.47	742
1675049	9.7	2.1	44	0.1	1.4	0.2	59	0.34	0.057	16	34	0.48	867
1675050	11.8	2.2	42	0.1	1.5	0.2	60	0.33	0.057	17	36	0.52	874
1675051	1.5	2.2	39	0.2	1	0.2	84	0.44	0.061	10	71	0.73	766
1675052	12.4	2.5	28	0.05	1.8	0.2	64	0.27	0.058	13	30	0.41	628
1675053	1.8	0.8	28	0.1	0.5	0.05	31	0.35	0.058	9	25	0.3	368
1675054	4.2	3.8	49	0.1	0.4	0.1	67	0.95	0.087	20	35	0.73	313
1675055	1.3	1.1	122	0.2	0.3	0.05	22	2.49	0.085	15	11	0.34	510
1675056	2.1	4.5	62	0.2	0.3	0.1	46	1.03	0.097	32	21	0.71	623
1675057	4.1	4.8	35	0.2	0.3	0.1	74	0.62	0.078	27	32	0.88	290
1675058	1.5	2.2	30	0.3	0.3	0.1	55	0.49	0.048	8	21	0.57	220
1675059	2.2	2.4	27	0.3	0.3	0.2	60	0.37	0.038	19	27	0.46	194
1675060	2.3	2.9	41	0.3	0.4	0.1	50	0.57	0.121	12	26	0.4	286
1675061	2.8	2.1	28	0.05	0.3	0.2	55	0.36	0.033	24	25	0.44	194
1675062	4	3.3	28	0.05	0.3	0.2	52	0.4	0.032	17	25	0.55	192
1675063	5.3	2.4	49	0.2	0.2	0.2	41	0.77	0.083	28	24	0.54	214
1675064	4.4	4.7	38	0.05	0.3	0.2	59	0.62	0.071	22	32	0.71	218
1676783	3.2	3.6	31	0.1	0.6	0.2	75	0.48	0.037	32	45	0.69	1047
1676784	17.1	4.6	36	0.1	0.8	0.3	55	0.57	0.054	20	29	0.73	1172

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1675034	0.04	2	1.67	0.024	0.07	0.05	0.06	5.4	0.05	0.025	5	0.25	0.1
1675035	0.044	4	1.47	0.02	0.07	0.05	0.08	4.8	0.05	0.05	3	0.6	0.1
1675036	0.031	4	1.12	0.02	0.05	0.05	0.17	3.8	0.05	0.1	3	0.9	0.1
1675037	0.043	2	1.41	0.011	0.07	0.05	0.06	3.4	0.05	0.025	6	0.8	0.1
1675038	0.056	1	1.5	0.011	0.07	0.05	0.07	3.7	0.05	0.025	6	0.7	0.1
1675039	0.037	1	1.32	0.007	0.06	0.05	0.04	2.7	0.1	0.025	5	0.25	0.1
1675040	0.052	2	1.72	0.016	0.07	0.05	0.19	4.7	0.1	0.025	4	1.2	0.1
1675041	0.041	2	1.28	0.015	0.08	0.05	0.24	4.4	0.05	0.05	3	2	0.1
1675042	0.069	0.5	2.15	0.015	0.06	0.05	0.05	4.6	0.05	0.025	5	0.8	0.1
1675043	0.017	0.5	1.16	0.008	0.06	0.05	0.05	3.6	0.05	0.025	3	0.6	0.1
1675044	0.046	0.5	1.18	0.01	0.07	0.05	0.05	2.8	0.1	0.025	4	0.6	0.1
1675045	0.073	2	1.5	0.017	0.07	0.05	0.28	3.6	0.7	0.025	5	1.1	0.1
1675046	0.037	5	1.08	0.018	0.25	0.05	0.14	3.2	1.2	0.35	4	2.5	0.1
1675047	0.081	2	1.38	0.02	0.1	0.05	0.03	3	0.05	0.025	5	0.25	0.1
1675048	0.074	2	1.47	0.023	0.09	0.05	0.03	3.1	0.1	0.025	5	0.25	0.1
1675049	0.044	3	1.51	0.014	0.13	0.05	0.26	5.2	0.2	0.025	5	0.9	0.1
1675050	0.046	2	1.71	0.016	0.13	0.05	0.27	5.6	0.2	0.025	6	0.8	0.1
1675051	0.073	2	2.02	0.018	0.13	0.05	0.04	5.1	0.1	0.025	7	0.25	0.1
1675052	0.066	1	1.35	0.015	0.08	0.05	0.17	3.9	0.1	0.025	5	1.3	0.1
1675053	0.06	2	0.95	0.018	0.05	0.1	0.08	2.8	0.05	0.025	4	0.25	0.1
1675054	0.12	3	1.65	0.044	0.08	0.2	0.03	5.4	0.05	0.025	5	0.25	0.1
1675055	0.046	4	0.76	0.015	0.05	0.1	0.09	2	0.1	0.13	2	0.25	0.1
1675056	0.086	2	1.79	0.023	0.06	0.2	0.05	4.7	0.2	0.025	5	0.6	0.1
1675057	0.113	0.5	2.53	0.019	0.06	0.1	0.03	5.4	0.2	0.025	7	0.25	0.1
1675058	0.085	1	1.62	0.021	0.11	0.1	0.005	3.2	0.1	0.025	6	0.25	0.1
1675059	0.076	1	1.83	0.019	0.07	0.05	0.02	4	0.1	0.025	7	0.25	0.1
1675060	0.064	2	1.51	0.035	0.08	0.05	0.01	4.6	0.1	0.025	6	0.25	0.1
1675061	0.069	0.5	2.12	0.021	0.05	0.1	0.02	3.9	0.2	0.025	7	0.25	0.1
1675062	0.079	0.5	1.76	0.017	0.06	0.1	0.01	4.2	0.05	0.025	6	0.25	0.1
1675063	0.063	0.5	1.79	0.019	0.09	0.1	0.06	4.5	0.05	0.025	6	0.25	0.1
1675064	0.096	0.5	2.17	0.021	0.08	0.1	0.03	5.6	0.1	0.025	6	0.25	0.1
1676783	0.078	2	1.95	0.019	0.08	0.1	0.03	6.9	0.05	0.025	6	0.25	0.1
1676784	0.056	1	1.53	0.02	0.08	0.05	0.07	4.9	0.05	0.025	4	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1676785	WEL	Hans Bauermeiste	7/27/2018	07N	565937	6931826	-139.7195328	62.51157605	902	Auger
1676786	WEL	Hans Bauermeiste	7/27/2018	07N	565902	6931863	-139.720198	62.5119143	917	Mattock
1676787	WEL	Hans Bauermeiste	7/27/2018	07N	565867	6931898	-139.720864	62.5122346	910	Mattock
1676788	WEL	Hans Bauermeiste	7/27/2018	07N	565830	6931934	-139.7215685	62.51256423	936	Mattock
1676789	WEL	Hans Bauermeiste	7/27/2018	07N	565793	6931970	-139.722273	62.51289385	935	Mattock
1676790	WEL	Hans Bauermeiste	7/27/2018	07N	565761	6932006	-139.7228805	62.51322259	944	Auger
1676791	WEL	Hans Bauermeiste	7/27/2018	07N	565723	6932044	-139.7236037	62.51357033	964	Auger
1676792	WEL	Hans Bauermeiste	7/27/2018	07N	565690	6932077	-139.7242317	62.51387231	966	Auger
1676793	WEL	Hans Bauermeiste	7/27/2018	07N	565656	6932112	-139.7248784	62.51419242	973	Auger
1676794	WEL	Hans Bauermeiste	7/27/2018	07N	565620	6932149	-139.7255632	62.51453082	943	Auger
1676795	WEL	Hans Bauermeiste	7/27/2018	07N	565583	6932184	-139.7262682	62.51485145	907	Auger
1676796	WEL	Hans Bauermeiste	7/27/2018	07N	565551	6932219	-139.7268761	62.51517119	977	Auger
1676797	WEL	Hans Bauermeiste	7/27/2018	07N	565512	6932256	-139.7276192	62.51551012	915	Auger
1676798	WEL	Hans Bauermeiste	7/27/2018	07N	565481	6932291	-139.7282077	62.51582968	917	Auger
1676799	WEL	Hans Bauermeiste	7/27/2018	07N	565411	6932362	-139.7295397	62.51647917	884	Auger
1676800	WEL	Hans Bauermeiste	7/27/2018	07N	565411	6932362	-139.7295397	62.51647917	884	
1676801	WEL	Hans Bauermeiste	7/27/2018	07N	565443	6932330	-139.7289306	62.51618636	881	Auger
1676802	WEL	Hans Bauermeiste	7/27/2018	07N	565377	6932398	-139.7301862	62.51680823	873	Mattock
1676803	WEL	Hans Bauermeiste	7/27/2018	07N	565338	6932429	-139.7309316	62.51709329	887	Auger
1676804	WEL	Hans Bauermeiste	7/27/2018	07N	565305	6932469	-139.7315571	62.51745806	871	Auger
1676805	WEL	Hans Bauermeiste	7/27/2018	07N	565265	6932496	-139.7323235	62.5177074	850	Auger
1676806	WEL	Hans Bauermeiste	7/27/2018	07N	565218	6932527	-139.7332244	62.51799386	846	Auger
1676807	WEL	Hans Bauermeiste	7/27/2018	07N	565186	6932565	-139.7338313	62.51834049	844	Auger
1676808	WEL	Hans Bauermeiste	7/27/2018	07N	565165	6932613	-139.7342208	62.51877493	842	Auger
1676809	WEL	Hans Bauermeiste	7/27/2018	07N	565129	6932650	-139.7349058	62.51911329	847	Mattock
1676810	WEL	Hans Bauermeiste	7/27/2018	07N	565095	6932685	-139.7355527	62.51943334	830	Auger
1676811	WEL	Hans Bauermeiste	7/27/2018	07N	565060	6932719	-139.7362195	62.5197446	829	Auger
1676812	WEL	Hans Bauermeiste	7/27/2018	07N	565024	6932757	-139.7369041	62.52009192	825	Auger
1676813	WEL	Hans Bauermeiste	7/27/2018	07N	564988	6932794	-139.7375892	62.52043026	800	Auger
1676814	WEL	Hans Bauermeiste	7/27/2018	07N	564957	6932826	-139.738179	62.52072286	815	Auger
1678033	WEL	Maxwell Fields	7/27/2018	07N	566075	6931829	-139.7168525	62.51157839	879	Auger
1678034	WEL	Maxwell Fields	7/27/2018	07N	566039	6931863	-139.7175383	62.51188991	891	Auger
1678035	WEL	Maxwell Fields	7/27/2018	07N	566007	6931898	-139.7181461	62.51220969	899	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1676785	40	C	Subtle Slope	Light Brown	Poplar	Sphagnum Moss < 30cm	Dry	Good	Clay
1676786	40	C	Subtle Slope	Light Brown	Black Spruce	Sphagnum Moss < 30cm	Dry	Poor	Gravel
1676787	40	B	Subtle Slope	Light Brown	Black Spruce	Sphagnum Moss < 30cm	Dry	Poor	Clay
1676788	40	C	Subtle Slope	Reddish Yellow	Poplar	Leaf Cover	Dry	Poor	Gravel
1676789	40	C	Subtle Slope	Reddish Yellow	Poplar	Leaf Cover	Dry	Poor	Gravel
1676790	40	C	Subtle Slope	Light Brown	Poplar	Leaf Cover	Dry	Good	Sand
1676791	40	B	Flat	Reddish Yellow	Poplar	Leaf Cover	Dry	Poor	Clay
1676792	50	C	Flat	Light Brown	Poplar	Thin Moss Cover	Dry	Good	Sand
1676793	70	B	Subtle Slope	Light Brown	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1676794	60	B	Subtle Slope	Chocolate Brow	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1676795	40	C	Subtle Slope	Light Brown	Birch Forest	Sphagnum Moss < 30cm	Dry	Good	Sand
1676796	40	B	Subtle Slope	Light Brown	Birch Forest	Leaf Cover	Dry	Good	Clay
1676797	40	B	Subtle Slope	Bluish Grey	Dwarf Birch	Leaf Cover	Dry	Good	Clay
1676798	50	C	Subtle Slope	Grey	Dwarf Birch	Thin Moss Cover	Damp	Good	Sand
1676799	40	B	Subtle Slope	Chocolate Brow	Alders	Thin Moss Cover	Damp	Good	Clay
1676800									
1676801	40	B	Subtle Slope	Light Brown	Dwarf Birch	Thin Moss Cover	Dry	Good	Clay
1676802	40	C	Subtle Slope	Light Brown	Alders	Thin Moss Cover	Dry	Good	Sand
1676803	40	B	Subtle Slope	Light Brown	Alders	Leaf Cover	Dry	Good	Clay
1676804	40	B	Subtle Slope	Light Brown	Birch Forest	Leaf Cover	Dry	Good	Clay
1676805	40	B	Subtle Slope	Light Brown	Alders	Burnt Moss	Dry	Good	Clay
1676806	30	A	Subtle Slope	Light Brown	Alders	Leaf Cover	Dry	Poor	Clay
1676807	40	C	Subtle Slope	Chocolate Brow	Alders	Burnt Moss	Dry	Good	Sand
1676808	50	C	Subtle Slope	Chocolate Brow	Alders	Burnt Moss	Dry	Good	Sand
1676809	30	B	Subtle Slope	Chocolate Brow	Birch Forest	Burnt Moss	Dry	Poor	Clay
1676810	60	B	Subtle Slope	Chocolate Brow	Birch Forest	Burnt Moss	Damp	Good	Clay
1676811	60	B	Subtle Slope	Chocolate Brow	Alders	Thin Moss Cover	Dry	Good	Clay
1676812	60	C	Subtle Slope	Light Brown	Alders	Burnt Moss	Dry	Good	Sand
1676813	50	C	Subtle Slope	Light Brown	Birch Forest	Burnt Moss	Dry	Excellent	Sand
1676814	40	C	Subtle Slope	Light Brown	Birch Forest	Thin Moss Cover	Dry	Excellent	Sand
1678033	50	B	Pronounced Slo	Chocolate Brow	Poplar	Thin Moss Cover	Damp	Good	Clay
1678034	40	C	Subtle Slope	Grey	Poplar	Leaf Cover	Dry	Poor	Clay
1678035	50	B	Subtle Slope	Chocolate Brow	Mixed Coniferous	Leaf Cover	Dry	Good	Clay

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1676785	Rocky Sample,Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676786	Clay,Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676787	Clay,Rocky Sample,Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676788	Clay,Quartz Chips,Rocky Sample,Rusty Rock Chip,Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676789	Clay,Rocky Sample,Sandy,Talus			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676790	Clay,Rocky Sample,Sandy,Talus			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676791	Clay			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676792	Clay			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676793	Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676794	Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676795	Clay,Rocky Sample			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676796	Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676797	Rocky Sample,Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676798	Clay,Rocky Sample			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676799	Bright Orange Rust,Rocky Sample,Rusty Rock Chip,Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676800				'00116160	1676799	Soil	THR-20180801-0	White Gold C	WHI18000606
1676801	Rocky Sample,Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676802	Clay,Rocky Sample			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676803	Rocky Sample,Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676804	Quartz Chips,Rocky Sample,Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676805	Rocky Sample,Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676806	Clay,Fine,Outcrop Nearby,Quartz Chips,Rocky Sample,Rocky Terrain,			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676807	Clay			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676808	Clay,Rocky Sample			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676809	Outcrop Nearby,Rocky Sample,Rocky Terrain,Sandy,Talus			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676810	Bright Orange Rust,Sandy			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676811	Sandy,Small Sample			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676812	Clay,Rocky Sample			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676813	Clay			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1676814	Clay			'00116160		Soil	THR-20180801-0	White Gold C	WHI18000606
1678033	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678034	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678035	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1676785	8/23/2018	8/9/2018	1	49.9	10.7	61	0.4	41.1	14.9	1175	3.32	11.1	0.6
1676786	8/23/2018	8/9/2018	1.5	51	10.6	69	0.4	33.5	10.5	650	2.76	8.8	0.5
1676787	8/23/2018	8/9/2018	1.2	29.3	8.5	54	0.3	25.7	11.1	589	2.62	6.3	0.4
1676788	8/23/2018	8/9/2018	1.6	44.8	9.7	75	0.3	30.7	10.6	447	3.14	9.1	0.4
1676789	8/23/2018	8/9/2018	1.1	34.3	9.3	70	0.5	33.8	13.2	590	3.3	8.4	0.5
1676790	8/23/2018	8/9/2018	1.7	27.3	10.1	66	0.3	30.3	13.5	712	3.7	13.1	0.5
1676791	8/23/2018	8/9/2018	2.1	47.6	10	100	0.5	35.9	17.3	518	3.98	12.8	1.3
1676792	8/23/2018	8/9/2018	1.2	33.1	8.3	54	0.05	31	13.7	373	3.44	9.7	0.8
1676793	8/23/2018	8/9/2018	1.9	43.7	10.4	66	0.2	28.2	15.6	684	3.62	10.3	1.3
1676794	8/23/2018	8/9/2018	1.4	18.2	7.3	41	0.1	14.6	7.7	818	1.79	4.6	0.5
1676795	8/23/2018	8/9/2018	1.7	44.2	10.8	55	0.2	31.2	11.5	753	2.75	8.6	0.5
1676796	8/23/2018	8/9/2018	0.9	62.6	8.2	56	0.2	39.1	14	324	3.36	9.4	0.9
1676797	8/23/2018	8/9/2018	1.3	13.2	6.3	28	0.2	10.4	3.8	110	1.66	7.4	0.3
1676798	8/23/2018	8/9/2018	1.3	29.6	7.7	34	0.2	14.7	6.5	221	1.84	6.8	0.4
1676799	8/23/2018	8/9/2018	1.5	35.7	9.5	45	0.4	22.2	7.9	428	2.23	7.9	0.6
1676800	8/23/2018	8/9/2018	1.5	41.8	10.2	59	0.2	38	10.8	446	3.3	12.2	0.6
1676801	8/23/2018	8/9/2018	2.3	29.7	9	44	0.2	24.6	10	293	3.29	9.5	0.5
1676802	8/23/2018	8/9/2018	1.1	14.8	15.6	58	0.2	14.4	8	542	2.94	7.3	0.7
1676803	8/23/2018	8/9/2018	0.9	22.8	10	59	0.05	25.2	11.9	391	3.36	8.2	0.7
1676804	8/23/2018	8/9/2018	1	17.4	10	59	0.05	20.7	14.3	743	3.01	6.2	0.4
1676805	8/23/2018	8/9/2018	0.8	23.5	11.2	52	0.05	23.5	12	368	3.54	7.8	0.6
1676806	8/23/2018	8/9/2018	1.3	30.9	12.6	59	0.5	21.8	12.8	834	2.83	5.2	0.6
1676807	8/23/2018	8/9/2018	0.8	21.6	10.8	59	0.1	20.2	14.3	699	3.77	7.2	0.7
1676808	8/23/2018	8/9/2018	0.9	25	9.8	63	0.05	26.7	13	1394	3.17	6.5	0.5
1676809	8/23/2018	8/9/2018	0.9	28.2	10.4	46	0.1	23.1	10.2	498	2.9	5.7	0.5
1676810	8/23/2018	8/9/2018	0.6	52	11	56	0.1	30.8	13.2	556	3.27	8.3	1
1676811	8/23/2018	8/9/2018	1.2	18.4	9.4	43	0.05	14.5	9.1	298	2.68	5.9	0.4
1676812	8/23/2018	8/9/2018	0.7	16.6	28.7	57	0.05	13.2	10.6	421	3.14	6.2	0.6
1676813	8/23/2018	8/9/2018	0.8	13	23.7	109	0.05	16.5	10.6	196	2.66	8.7	0.7
1676814	8/23/2018	8/9/2018	1	18.6	13	51	0.05	23	11.2	425	2.89	8.6	0.6
1678033	8/23/2018	8/9/2018	1.2	54.9	10.9	54	0.1	35.3	15	651	3.36	9.4	0.7
1678034	8/23/2018	8/9/2018	2.1	21	9.8	44	0.05	14.9	9.6	1257	2.59	10.1	0.5
1678035	8/23/2018	8/9/2018	0.7	48.9	10.2	63	0.2	46.1	16.9	1312	3.45	6.9	0.5

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1676785	10	3.4	32	0.1	0.7	0.2	68	0.49	0.035	10	46	0.67	1051
1676786	5.6	3.1	24	0.05	1.1	0.2	59	0.22	0.028	13	28	0.38	1366
1676787	2.7	1.9	21	0.05	0.7	0.2	68	0.23	0.019	8	28	0.4	989
1676788	3.9	2.2	23	0.05	1	0.2	73	0.23	0.025	10	29	0.38	809
1676789	5.6	2.5	21	0.05	0.7	0.1	82	0.21	0.015	8	45	0.58	830
1676790	1.8	2.4	21	0.1	0.9	0.3	93	0.22	0.021	8	49	0.62	816
1676791	3.9	3.7	24	0.1	0.7	0.2	91	0.26	0.047	13	57	0.74	756
1676792	1.8	3.4	28	0.1	0.6	0.2	78	0.24	0.024	11	47	0.66	1059
1676793	4.6	3.9	27	0.05	0.5	0.2	90	0.32	0.031	20	51	0.65	636
1676794	2	1.3	23	0.1	0.3	0.1	51	0.26	0.037	8	22	0.27	285
1676795	3.9	2.1	21	0.05	0.6	0.2	69	0.22	0.04	9	33	0.44	354
1676796	7.3	3.4	25	0.05	0.5	0.1	78	0.33	0.036	11	49	0.74	948
1676797	3.9	1.2	17	0.05	0.6	0.1	54	0.19	0.024	6	19	0.24	386
1676798	6	1.7	21	0.05	0.6	0.1	41	0.14	0.036	12	23	0.29	995
1676799	3.1	1.5	28	0.2	1.1	0.2	58	0.27	0.034	12	27	0.36	998
1676800	2.1	2.3	28	0.05	1.5	0.2	78	0.28	0.036	11	37	0.54	1098
1676801	5.8	2.3	28	0.05	0.7	0.2	78	0.24	0.03	8	41	0.56	542
1676802	0.25	4.4	35	0.1	0.3	0.1	53	0.27	0.037	14	25	0.62	435
1676803	2	3.7	28	0.2	0.5	0.1	83	0.42	0.021	16	45	0.81	189
1676804	2	2.2	26	0.05	0.4	0.2	77	0.39	0.025	11	32	0.52	189
1676805	1.9	4.7	31	0.1	0.4	0.1	75	0.46	0.025	14	40	0.76	190
1676806	0.8	2.6	50	0.5	0.4	0.2	59	0.74	0.063	44	28	0.6	304
1676807	1.5	3.8	39	0.05	0.4	0.2	68	0.57	0.03	13	33	0.79	184
1676808	1.1	3.5	51	0.1	0.4	0.2	72	1.07	0.058	15	36	0.63	303
1676809	2.1	2.5	53	0.3	0.4	0.2	65	0.83	0.046	17	33	0.61	189
1676810	3.4	5.5	43	0.1	0.4	0.1	69	0.9	0.06	33	41	0.86	236
1676811	0.8	1.2	24	0.2	0.4	0.2	72	0.31	0.054	6	23	0.42	198
1676812	1.5	9.7	29	0.05	0.3	0.2	36	0.44	0.065	32	17	0.6	185
1676813	1.6	8.9	21	0.05	0.5	0.1	42	0.31	0.055	21	23	0.72	130
1676814	0.25	4.4	19	0.05	0.4	0.1	73	0.24	0.025	12	37	0.54	235
1678033	2.9	3.5	37	0.1	0.6	0.2	75	0.54	0.037	23	46	0.67	1020
1678034	1.7	1.5	15	0.05	0.5	0.2	71	0.16	0.065	8	26	0.3	357
1678035	4.7	3	29	0.2	0.5	0.2	70	0.53	0.036	19	51	0.84	1506

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1676785	0.062	2	1.8	0.016	0.06	0.05	0.05	6.6	0.05	0.025	5	0.25	0.1
1676786	0.046	1	1.22	0.011	0.05	0.1	0.03	3.3	0.05	0.025	4	0.7	0.1
1676787	0.04	0.5	1.27	0.012	0.06	0.05	0.02	2.9	0.05	0.025	5	0.25	0.1
1676788	0.045	0.5	1.3	0.01	0.04	0.05	0.02	2.9	0.05	0.025	5	0.6	0.1
1676789	0.068	0.5	1.88	0.014	0.03	0.05	0.02	4	0.05	0.025	6	0.25	0.1
1676790	0.081	0.5	2.44	0.012	0.05	0.05	0.02	4	0.2	0.025	7	0.25	0.1
1676791	0.102	2	3.17	0.024	0.06	0.05	0.02	8.7	0.1	0.025	7	0.25	0.1
1676792	0.096	2	2.71	0.017	0.04	0.05	0.02	5.8	0.1	0.025	7	0.25	0.1
1676793	0.101	2	2.79	0.02	0.05	0.05	0.03	9.5	0.1	0.025	7	0.25	0.1
1676794	0.063	2	1.38	0.025	0.04	0.05	0.05	2.8	0.05	0.025	6	0.25	0.1
1676795	0.064	2	2.06	0.012	0.07	0.05	0.03	3.4	0.1	0.025	6	0.25	0.1
1676796	0.095	2	2.82	0.019	0.06	0.05	0.08	5.6	0.05	0.025	7	0.25	0.1
1676797	0.062	2	1.04	0.014	0.05	0.05	0.01	2	0.05	0.025	6	0.25	0.1
1676798	0.052	1	1.14	0.009	0.08	0.05	0.05	2.1	0.05	0.025	4	0.7	0.1
1676799	0.061	3	1.5	0.014	0.07	0.1	0.06	3.5	0.05	0.025	5	0.25	0.1
1676800	0.081	2	2.07	0.015	0.08	0.05	0.05	4.7	0.1	0.025	6	0.25	0.1
1676801	0.074	2	2.14	0.013	0.07	0.05	0.05	4.3	0.1	0.025	7	0.25	0.1
1676802	0.068	2	1.99	0.013	0.06	0.05	0.02	3	0.2	0.025	7	0.25	0.1
1676803	0.131	1	2.45	0.02	0.07	0.1	0.02	5.4	0.1	0.025	7	0.25	0.1
1676804	0.094	2	2.04	0.022	0.06	0.05	0.02	3.6	0.1	0.025	7	0.25	0.1
1676805	0.117	1	2.46	0.022	0.07	0.05	0.02	5.8	0.1	0.025	7	0.25	0.1
1676806	0.099	2	1.86	0.032	0.16	0.1	0.02	3.8	0.2	0.025	6	0.25	0.1
1676807	0.127	2	2.38	0.024	0.07	0.05	0.02	5.1	0.1	0.025	7	0.25	0.1
1676808	0.086	2	2.2	0.035	0.11	0.05	0.01	5.6	0.1	0.025	6	0.25	0.1
1676809	0.087	2	2.19	0.028	0.1	0.05	0.02	4.2	0.1	0.025	7	0.25	0.1
1676810	0.109	2	2.09	0.042	0.08	0.1	0.03	7	0.1	0.025	5	0.25	0.1
1676811	0.071	0.5	1.38	0.018	0.05	0.2	0.01	2.7	0.05	0.025	7	0.25	0.1
1676812	0.024	0.5	1.56	0.008	0.12	0.05	0.01	2.4	0.05	0.025	5	0.25	0.1
1676813	0.051	0.5	1.53	0.009	0.11	0.05	0.005	2.7	0.05	0.025	4	0.25	0.1
1676814	0.083	1	2.26	0.013	0.11	0.05	0.02	4.3	0.1	0.025	6	0.25	0.1
1678033	0.082	2	1.97	0.018	0.08	0.1	0.04	6.7	0.05	0.025	6	0.25	0.1
1678034	0.059	1	1.25	0.013	0.05	0.1	0.03	2.7	0.05	0.025	7	0.25	0.1
1678035	0.054	1	2.14	0.019	0.06	0.05	0.05	7.9	0.05	0.025	6	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1678036	WEL	Maxwell Fields	7/27/2018	07N	565973	6931936	-139.7187915	62.51255674	919	Auger
1678037	WEL	Maxwell Fields	7/27/2018	07N	565935	6931971	-139.7195158	62.51287759	965	Auger
1678038	WEL	Maxwell Fields	7/27/2018	07N	565900	6932004	-139.7201826	62.51317994	916	Auger
1678039	WEL	Maxwell Fields	7/27/2018	07N	565863	6932040	-139.7208871	62.51350957	926	Auger
1678040	WEL	Maxwell Fields	7/27/2018	07N	565830	6932075	-139.7215143	62.51382952	930	Auger
1678041	WEL	Maxwell Fields	7/27/2018	07N	565795	6932112	-139.7221797	62.51416776	922	Hands
1678042	WEL	Maxwell Fields	7/27/2018	07N	565765	6932148	-139.7227483	62.51449614	938	Auger
1678043	WEL	Maxwell Fields	7/27/2018	07N	565726	6932185	-139.7234913	62.51483508	942	Auger
1678044	WEL	Maxwell Fields	7/27/2018	07N	565688	6932220	-139.7242157	62.5151559	921	Auger
1678045	WEL	Maxwell Fields	7/27/2018	07N	565655	6932256	-139.7248426	62.5154848	936	Auger
1678046	WEL	Maxwell Fields	7/27/2018	07N	565624	6932293	-139.7254303	62.51582232	912	Hands
1678047	WEL	Maxwell Fields	7/27/2018	07N	565585	6932330	-139.7261734	62.51616126	894	Auger
1678048	WEL	Maxwell Fields	7/27/2018	07N	565551	6932363	-139.726821	62.5164634	902	Auger
1678049	WEL	Maxwell Fields	7/27/2018	07N	565516	6932401	-139.727486	62.5168106	904	Auger
1678050	WEL	Maxwell Fields	7/27/2018	07N	565516	6932401	-139.727486	62.5168106	904	
1678051	WEL	Maxwell Fields	7/27/2018	07N	565483	6932436	-139.7281134	62.51713051	898	Auger
1678052	WEL	Maxwell Fields	7/27/2018	07N	565445	6932471	-139.7288379	62.5174513	893	Auger
1678053	WEL	Maxwell Fields	7/27/2018	07N	565408	6932505	-139.7295433	62.51776294	898	Auger
1678054	WEL	Maxwell Fields	7/27/2018	07N	565375	6932537	-139.7301719	62.51805593	885	Mattock
1678055	WEL	Maxwell Fields	7/27/2018	07N	565344	6932577	-139.7307586	62.51842034	896	Auger
1678056	WEL	Maxwell Fields	7/27/2018	07N	565304	6932609	-139.7315231	62.51871456	873	Auger
1678057	WEL	Maxwell Fields	7/27/2018	07N	565267	6932644	-139.7322283	62.51903516	867	Auger
1678058	WEL	Maxwell Fields	7/27/2018	07N	565232	6932683	-139.7328931	62.51939129	840	Hands
1678059	WEL	Maxwell Fields	7/27/2018	07N	565199	6932717	-139.7335209	62.51970221	847	Auger
1678060	WEL	Maxwell Fields	7/27/2018	07N	565158	6932754	-139.734303	62.52004145	855	Auger
1678061	WEL	Maxwell Fields	7/27/2018	07N	565126	6932788	-139.7349115	62.52035219	832	Auger
1678062	WEL	Maxwell Fields	7/27/2018	07N	565091	6932827	-139.7355764	62.52070831	817	Auger
1678063	WEL	Maxwell Fields	7/27/2018	07N	565058	6932861	-139.7362043	62.52101922	823	Auger
1678064	WEL	Maxwell Fields	7/27/2018	07N	565026	6932901	-139.7368106	62.52138378	808	Auger
1677784	WEL	Sebastien Pelletier	7/27/2018	07N	566218	6931963	-139.7140245	62.51275533	824	Auger
1677785	WEL	Sebastien Pelletier	7/27/2018	07N	566182	6931999	-139.7147095	62.51308481	843	Auger
1677786	WEL	Sebastien Pelletier	7/27/2018	07N	566145	6932037	-139.7154132	62.51343242	854	Auger
1677787	WEL	Sebastien Pelletier	7/27/2018	07N	566113	6932074	-139.7160202	62.51377016	858	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1678036	50	B	Subtle Slope	Grey	Mixed Coniferous	Thin Moss Cover	Dry	Excellent	Clay
1678037	50	B	Subtle Slope	Chocolate Brow	Willows	Sphagnum Moss < 30cm	Dry	Good	Clay
1678038	50	B	Flat	Light Brown	Dwarf Birch	Leaf Cover	Dry	Excellent	Clay
1678039	40	C	Subtle Slope	Light Brown	Black Spruce	Leaf Cover	Damp	Good	Clay
1678040	50	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Sphagnum Moss < 30cm	Dry	Good	Clay
1678041	50	B	Subtle Slope	Dark Brown	Mixed Coniferous	Sphagnum Moss < 30cm	Dry	Good	Clay
1678042	50	B	Subtle Slope	Dark Brown	Pine	Leaf Cover	Dry	Good	Clay
1678043	40	B	Pronounced Slo	Light Brown	Dwarf Birch	Thin Moss Cover	Dry	Excellent	Clay
1678044	50	B	Pronounced Slo	Dark Brown	Black Spruce	Sphagnum Moss > 30cm	Damp	Good	Clay
1678045	70	C	Pronounced Slo	Grey	Dwarf Birch	Reindeer Moss	Damp	Good	Clay
1678046	50	B	Pronounced Slo	Light Brown	Dwarf Birch	Rock Cover	Dry	Good	Clay
1678047	40	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Reindeer Moss	Damp	Good	Clay
1678048	50	C	Subtle Slope	Grey	Poplar	Thin Moss Cover	Dry	Good	Clay
1678049	70	C	Subtle Slope	Chocolate Brow	Poplar	Leaf Cover	Damp	Good	Clay
1678050									
1678051	50	B	Subtle Slope	Chocolate Brow	Poplar	Leaf Cover	Dry	Good	Clay
1678052	40	B	Flat	Light Brown	Old Burn	Leaf Cover	Dry	Good	Clay
1678053	40	B	Subtle Slope	Light Brown	Poplar	Thin Moss Cover	Dry	Good	Clay
1678054	60	B	Subtle Slope	Light Brown	Poplar	Leaf Cover	Dry	Good	Clay
1678055	50	B	Subtle Slope	Light Brown	Alders	Sphagnum Moss > 30cm	Damp	Good	Clay
1678056	40	B	Subtle Slope	Light Brown	Poplar	Leaf Cover	Dry	Excellent	Clay
1678057	40	B	Pronounced Slo	Light Brown	Old Burn	Leaf Cover	Dry	Good	Clay
1678058	50	B	Pronounced Slo	Light Brown	Old Burn	Rock Cover	Dry	Good	Clay
1678059	50	B	Pronounced Slo	Light Brown	Dwarf Birch	Rock Cover	Dry	Good	Clay
1678060	50	B	Pronounced Slo	Chocolate Brow	Birch Forest	Leaf Cover	Dry	Good	Clay
1678061	30	C	Subtle Slope	Light Brown	Dwarf Birch	Rock Cover	Dry	Good	Clay
1678062	50	B	Subtle Slope	Light Brown	Poplar	Leaf Cover	Dry	Good	Clay
1678063	50	B	Subtle Slope	Light Brown	Poplar	Leaf Cover	Dry	Good	Clay
1678064	50	B	Subtle Slope	Light Brown	Poplar	Leaf Cover	Dry	Good	Clay
1677784	40	B	Subtle Slope	Chocolate Brow	White Spruce	Grass Cover	Dry	Good	Sand
1677785	40	B	Subtle Slope	Grey	Dwarf Birch	Thin Moss Cover	Dry	Good	Sand
1677786	60	B	Subtle Slope	Dark Grey Black	Mixed Coniferous	Sphagnum Moss < 30cm	Damp	Good	Clay
1677787	40	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Grass Cover	Dry	Good	Sand

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1678036	Clay,Fine,Rocky Sample			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678037	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678038	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678039	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678040	Clay,Coarse,Fine,Organic 10%,Rocky Sample			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678041	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678042	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678043	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678044	Clay,Frozen,Organic 10%			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678045	Clay,Coarse,Quartz Chips,Rocky Sample			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678046	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678047	Clay,Coarse			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678048	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678049	Clay,Coarse			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678050				'00116157	1678049	Soil	THR-20180801-0	White Gold C	WHI18000606
1678051	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678052	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678053	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678054	Clay,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678055	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678056	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678057	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678058	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678059	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678060	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678061	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678062	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678063	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1678064	Clay,Coarse,Fine			'00116157		Soil	THR-20180801-0	White Gold C	WHI18000606
1677784	Sandy			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677785	Organic 10%			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677786	Organic 10%			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677787	Organic 10%			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1678036	8/23/2018	8/9/2018	1.6	32.2	11.5	47	0.5	20.7	7.7	279	2.65	8.6	0.5
1678037	8/23/2018	8/9/2018	1.7	33.6	9.9	68	0.6	23.8	7.9	589	3.08	7.5	0.4
1678038	8/23/2018	8/9/2018	1.5	28.6	9.7	61	0.3	27.8	14.6	943	3.49	10.4	0.5
1678039	8/23/2018	8/9/2018	1.4	28.2	10.4	56	0.5	30.8	12.7	260	3.54	10.8	0.4
1678040	8/23/2018	8/9/2018	1.9	23.5	10.4	59	0.7	20.6	10.1	321	3.05	8.8	0.4
1678041	8/23/2018	8/9/2018	1.7	37.4	9.7	63	0.1	25.4	9.7	558	3.32	10.9	0.4
1678042	8/23/2018	8/9/2018	1.2	44.5	7.8	65	0.1	26.9	13.5	3994	2.46	6.5	0.4
1678043	8/23/2018	8/9/2018	1.3	29.5	9.4	54	0.3	32.1	15.1	1905	3.35	8.7	0.5
1678044	8/23/2018	8/9/2018	1.8	47.1	8.7	49	0.2	36.3	10.8	4980	2.08	8.1	0.6
1678045	8/23/2018	8/9/2018	4.7	59.6	19.2	70	1.1	26.4	13.6	738	2.29	10.7	1.1
1678046	8/23/2018	8/9/2018	3.8	23.4	11.1	67	0.6	17.6	8.2	433	2.81	13.8	0.5
1678047	8/23/2018	8/9/2018	1.8	21.4	10.2	77	0.6	20.7	8.9	271	3.24	10.8	0.4
1678048	8/23/2018	8/9/2018	1.4	30.8	8.7	32	0.4	11.4	4.6	108	1.85	6.3	0.5
1678049	8/23/2018	8/9/2018	1.3	51.2	9.6	55	0.4	31.9	13.5	289	3.68	9.8	1.3
1678050	8/23/2018	8/9/2018	1.4	52	9.5	53	0.3	32.5	14.5	261	3.3	9.9	1.2
1678051	8/23/2018	8/9/2018	1.4	28	9.9	59	0.1	37.9	9.6	252	3.09	8.2	0.3
1678052	8/23/2018	8/9/2018	1.4	18.2	8.8	73	0.05	14.5	9	543	2.71	7.7	0.4
1678053	8/23/2018	8/9/2018	1.2	15.7	9.3	70	0.1	17.2	11.6	879	3.21	7	0.3
1678054	8/23/2018	8/9/2018	0.9	21.6	13.1	61	0.05	26.9	12.6	382	3.93	10.7	0.4
1678055	8/23/2018	8/9/2018	0.6	17.8	12.9	56	0.05	9.5	9.6	511	3.44	5.2	0.4
1678056	8/23/2018	8/9/2018	1.1	29.6	10.9	64	0.2	33.9	16.4	439	3.91	9.7	0.6
1678057	8/23/2018	8/9/2018	1	21.4	8.4	46	0.1	22.4	13	511	2.87	6.6	0.5
1678058	8/23/2018	8/9/2018	1	15.7	9.5	63	0.05	20.3	11.6	421	3.23	5.3	0.4
1678059	8/23/2018	8/9/2018	1	24.6	13.3	54	0.05	22.3	14.3	717	3.68	7.6	0.5
1678060	8/23/2018	8/9/2018	1.2	16.6	8	32	0.05	13.7	7.2	399	2.29	4.4	0.4
1678061	8/23/2018	8/9/2018	1.1	20.6	8.7	64	0.05	23.6	13.3	895	3.79	8.5	0.5
1678062	8/23/2018	8/9/2018	1.2	13.7	7.7	25	0.05	8.2	5.5	256	1.91	4.2	0.4
1678063	8/23/2018	8/9/2018	1.2	17.1	14	67	0.1	14.1	7.7	727	2.45	8.9	0.5
1678064	8/23/2018	8/9/2018	1.7	15.4	13.2	47	0.05	15.5	9.7	301	2.75	7	0.6
1677784	8/23/2018	8/9/2018	1.4	36	9.4	79	0.2	30.3	14.8	715	3.5	8.8	0.5
1677785	8/23/2018	8/9/2018	1	57.8	10.4	57	0.2	35.5	15.1	2524	3.17	6.8	0.6
1677786	8/23/2018	8/9/2018	0.5	86.9	6.8	47	0.2	30.7	9.7	740	1.85	3.7	0.6
1677787	8/23/2018	8/9/2018	2.1	44.9	11.6	67	0.6	29.1	17	3631	3.02	8.6	0.7

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1678036	2.6	1.9	21	0.05	0.5	0.2	67	0.23	0.032	8	29	0.38	1088
1678037	5.8	1.9	15	0.1	1	0.2	71	0.13	0.027	9	24	0.28	379
1678038	3.4	2	19	0.1	0.6	0.2	91	0.2	0.022	7	41	0.55	498
1678039	2.5	2.2	14	0.05	0.7	0.2	79	0.14	0.021	7	38	0.52	301
1678040	6.5	1.3	14	0.05	0.7	0.2	77	0.12	0.03	7	28	0.28	312
1678041	2.5	1.4	13	0.05	0.7	0.2	71	0.13	0.042	7	31	0.35	355
1678042	2.6	1.3	37	0.3	0.4	0.2	58	0.53	0.098	6	29	0.39	1438
1678043	0.9	2.1	27	0.1	0.6	0.2	72	0.38	0.041	9	39	0.61	1012
1678044	1.9	0.4	16	0.2	0.4	0.2	52	0.17	0.053	11	20	0.17	205
1678045	4.4	1.5	43	0.05	1.5	0.3	52	0.31	0.069	15	30	0.38	1220
1678046	2	1.7	21	0.2	1.9	0.2	91	0.24	0.044	9	29	0.3	300
1678047	5.5	1.2	24	0.2	0.6	0.2	83	0.27	0.056	9	37	0.38	569
1678048	4.7	0.6	24	0.2	0.7	0.1	50	0.17	0.033	9	19	0.18	948
1678049	13.1	3.6	34	0.05	0.6	0.2	75	0.37	0.044	18	44	0.61	869
1678050	5.8	3.8	32	0.1	0.8	0.2	77	0.37	0.048	17	42	0.64	826
1678051	2.6	1.2	23	0.05	1.5	0.2	91	0.23	0.03	11	83	0.74	462
1678052	1.3	0.9	19	0.2	0.4	0.1	67	0.18	0.039	8	28	0.4	542
1678053	0.25	1.7	24	0.3	0.4	0.2	76	0.28	0.039	7	30	0.5	244
1678054	0.8	3.6	23	0.1	0.5	0.2	77	0.29	0.029	10	43	0.75	224
1678055	4.4	5.3	26	0.05	0.3	0.2	45	0.38	0.069	22	16	0.85	249
1678056	0.6	3.5	27	0.1	0.6	0.2	92	0.32	0.034	10	51	0.74	237
1678057	1.1	3.9	26	0.05	0.3	0.1	65	0.34	0.044	13	35	0.62	195
1678058	0.9	1.8	22	0.3	0.4	0.2	69	0.36	0.057	9	28	0.65	167
1678059	1	4.8	39	0.1	0.4	0.2	70	0.66	0.037	17	33	0.7	228
1678060	1.7	1.6	19	0.05	0.3	0.2	62	0.24	0.021	14	26	0.42	130
1678061	2.3	2.5	35	0.1	0.5	0.2	84	0.56	0.069	9	39	0.8	220
1678062	1.9	1.1	18	0.05	0.3	0.1	57	0.22	0.057	7	18	0.27	123
1678063	3.1	2.5	19	0.2	0.4	0.4	54	0.24	0.064	14	22	0.39	170
1678064	2.4	4.4	21	0.05	0.3	0.2	62	0.31	0.042	13	28	0.46	207
1677784	0.25	2.3	51	0.4	0.5	0.2	85	1.04	0.071	10	46	0.7	502
1677785	2.6	2.8	49	0.5	0.5	0.2	61	1.04	0.082	18	33	0.56	1378
1677786	2.5	0.7	59	0.4	0.4	0.1	35	2.17	0.089	10	25	0.44	1603
1677787	1.9	1.8	30	0.3	0.6	0.2	73	0.32	0.052	11	38	0.46	965

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1678036	0.038	1	1.45	0.015	0.05	0.05	0.03	2.9	0.05	0.025	6	0.25	0.1
1678037	0.045	0.5	1.02	0.011	0.04	0.05	0.02	2.1	0.05	0.025	6	0.25	0.1
1678038	0.063	1	2.16	0.012	0.04	0.05	0.02	3.6	0.05	0.025	7	0.25	0.1
1678039	0.073	1	1.99	0.012	0.04	0.05	0.03	3.4	0.05	0.025	7	0.25	0.1
1678040	0.046	1	1.38	0.01	0.04	0.05	0.03	2.4	0.05	0.025	7	0.25	0.1
1678041	0.053	1	1.32	0.008	0.06	0.1	0.03	2.3	0.05	0.025	6	0.25	0.1
1678042	0.045	2	1.39	0.018	0.09	0.05	0.04	2.9	0.05	0.025	5	0.25	0.1
1678043	0.065	2	1.82	0.018	0.08	0.1	0.02	4.6	0.05	0.025	6	0.25	0.1
1678044	0.034	1	1.05	0.013	0.04	0.1	0.04	2	0.05	0.025	5	0.25	0.1
1678045	0.04	3	1.55	0.014	0.15	0.05	0.33	3.9	0.4	0.07	5	1.6	0.1
1678046	0.07	0.5	1.18	0.014	0.11	0.05	0.04	2.6	0.1	0.025	7	0.25	0.1
1678047	0.08	2	1.91	0.016	0.06	0.05	0.03	3	0.1	0.025	8	0.25	0.1
1678048	0.045	2	1.09	0.014	0.06	0.05	0.06	2.6	0.05	0.025	5	0.25	0.1
1678049	0.094	2	2.32	0.019	0.07	0.05	0.15	8.1	0.1	0.025	6	0.25	0.1
1678050	0.092	2	2.2	0.02	0.07	0.05	0.17	7.8	0.1	0.025	6	0.25	0.1
1678051	0.074	1	1.67	0.013	0.06	0.05	0.03	5.2	0.2	0.025	8	0.7	0.1
1678052	0.06	1	1.72	0.019	0.04	0.05	0.02	2.5	0.1	0.025	7	0.25	0.1
1678053	0.076	1	1.74	0.019	0.06	0.05	0.02	3	0.1	0.025	7	0.25	0.1
1678054	0.091	1	2.9	0.014	0.06	0.1	0.005	4.6	0.2	0.025	8	0.25	0.1
1678055	0.035	2	2.16	0.009	0.14	0.05	0.01	3.4	0.2	0.025	7	0.25	0.1
1678056	0.125	0.5	3.19	0.02	0.06	0.05	0.02	4.7	0.2	0.025	8	0.25	0.1
1678057	0.089	0.5	2.03	0.024	0.08	0.05	0.02	4.2	0.1	0.025	6	0.25	0.1
1678058	0.103	1	2.11	0.019	0.07	0.1	0.01	3.4	0.2	0.025	8	0.25	0.1
1678059	0.088	2	2.15	0.029	0.13	0.05	0.01	5	0.2	0.025	7	0.25	0.1
1678060	0.076	1	2.06	0.025	0.04	0.05	0.02	3.3	0.1	0.025	6	0.25	0.1
1678061	0.096	2	2.51	0.023	0.15	0.05	0.01	4.2	0.1	0.025	7	0.25	0.1
1678062	0.069	1	1.17	0.019	0.05	0.05	0.005	2.4	0.1	0.025	6	0.25	0.1
1678063	0.048	1	1.48	0.013	0.11	0.05	0.02	2.5	0.1	0.025	5	0.25	0.1
1678064	0.049	1	1.95	0.015	0.09	0.1	0.02	3.2	0.1	0.025	6	0.25	0.1
1677784	0.109	3	2.32	0.025	0.21	0.05	0.01	5.2	0.05	0.025	7	0.25	0.1
1677785	0.057	4	1.99	0.034	0.08	0.05	0.01	5.7	0.05	0.025	5	0.25	0.1
1677786	0.037	4	1.16	0.027	0.07	0.05	0.12	3.4	0.05	0.1	3	1	0.1
1677787	0.066	1	1.78	0.019	0.1	0.05	0.05	4.2	0.05	0.025	6	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1677788	WEL	Sebastien Pelletier	7/27/2018	07N	566084	6932108	-139.7165701	62.51408043	861	Auger
1677789	WEL	Sebastien Pelletier	7/27/2018	07N	566036	6932145	-139.7174878	62.51442102	855	Auger
1677790	WEL	Sebastien Pelletier	7/27/2018	07N	566010	6932176	-139.7179807	62.51470383	843	Auger
1677791	WEL	Sebastien Pelletier	7/27/2018	07N	565973	6932212	-139.7186852	62.51503348	822	Auger
1677792	WEL	Sebastien Pelletier	7/27/2018	07N	565946	6932252	-139.719194	62.51539723	812	Hands
1677793	WEL	Sebastien Pelletier	7/27/2018	07N	565903	6932288	-139.7200151	62.51572793	824	Hands
1677794	WEL	Sebastien Pelletier	7/27/2018	07N	565871	6932320	-139.7206241	62.51602078	826	Auger
1677795	WEL	Sebastien Pelletier	7/27/2018	07N	565837	6932358	-139.7212696	62.51636782	815	Auger
1677796	WEL	Sebastien Pelletier	7/27/2018	07N	565796	6932393	-139.7220523	62.51668919	798	Auger
1677797	WEL	Sebastien Pelletier	7/27/2018	07N	565767	6932430	-139.7226012	62.51702636	793	Auger
1677798	WEL	Sebastien Pelletier	7/27/2018	07N	565731	6932469	-139.7232852	62.51738272	810	Hands
1677799	WEL	Sebastien Pelletier	7/27/2018	07N	565698	6932505	-139.7239122	62.51771163	830	Auger
1677800	WEL	Sebastien Pelletier	7/27/2018	07N	565698	6932505	-139.7239122	62.51771163	830	
1677801	WEL	Sebastien Pelletier	7/27/2018	07N	565655	6932542	-139.7247329	62.51805128	840	Auger
1677802	WEL	Sebastien Pelletier	7/27/2018	07N	565628	6932572	-139.7252457	62.51832527	839	Auger
1677803	WEL	Sebastien Pelletier	7/27/2018	07N	565591	6932607	-139.7259508	62.5186459	826	Auger
1677804	WEL	Sebastien Pelletier	7/27/2018	07N	565557	6932647	-139.7265957	62.51901087	809	Auger
1677805	WEL	Sebastien Pelletier	7/27/2018	07N	565523	6932682	-139.7272425	62.51933096	809	Hands
1677806	WEL	Sebastien Pelletier	7/27/2018	07N	565487	6932720	-139.7279271	62.51967833	806	Hands
1677807	WEL	Sebastien Pelletier	7/27/2018	07N	565458	6932756	-139.7284765	62.52000651	806	Auger
1677808	WEL	Sebastien Pelletier	7/27/2018	07N	565417	6932789	-139.7292601	62.52030988	810	Auger
1677809	WEL	Sebastien Pelletier	7/27/2018	07N	565381	6932831	-139.7299431	62.52069313	814	Auger
1677810	WEL	Sebastien Pelletier	7/27/2018	07N	565347	6932858	-139.7305931	62.52094142	819	Auger
1677811	WEL	Sebastien Pelletier	7/27/2018	07N	565309	6932896	-139.7313165	62.52128913	813	Auger
1677812	WEL	Sebastien Pelletier	7/27/2018	07N	565277	6932929	-139.7319254	62.5215909	809	Auger
1677813	WEL	Sebastien Pelletier	7/27/2018	07N	565240	6932968	-139.7326291	62.52194739	800	Auger
1677814	WEL	Sebastien Pelletier	7/27/2018	07N	565204	6933000	-139.733316	62.52224089	789	Auger
1677815	WEL	Sebastien Pelletier	7/27/2018	07N	565173	6933038	-139.7339036	62.52258735	778	Auger
1678944	WEL	Alexander Arbery	8/2/2018	07N	566505	6932248	-139.7083419	62.51526142	708	Auger
1678945	WEL	Alexander Arbery	8/2/2018	07N	566471	6932282	-139.7089889	62.51557262	747	Auger
1678946	WEL	Alexander Arbery	8/2/2018	07N	566436	6932318	-139.7096545	62.51590195	736	Auger
1678947	WEL	Alexander Arbery	8/2/2018	07N	566400	6932354	-139.7103395	62.51623145	769	Auger
1678948	WEL	Alexander Arbery	8/2/2018	07N	566366	6932389	-139.7109861	62.51655162	777	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1677788	50	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Grass Cover	Dry	Good	Sand
1677789	40	B	Subtle Slope	Chocolate Brow	Birch Forest	Sphagnum Moss < 30cm	Dry	Good	Sand
1677790	50	B	Pronounced Slo	Chocolate Brow	Mixed Coniferous	Reindeer Moss	Damp	Good	Clay
1677791	40	A	Subtle Slope	Grey	Dwarf Birch	Grass Cover	Damp	Good	Clay
1677792	20	A	Subtle Slope	Chocolate Brow	Dwarf Birch	Leaf Cover	Dry	Poor	Sand
1677793	30	A	Subtle Slope	Light Brown	Birch Forest	Leaf Cover	Dry	Good	Sand
1677794	30	A	Subtle Slope	Light Brown	Birch Forest	Leaf Cover	Dry	Poor	Sand
1677795	50	B	Pronounced Slo	Dark Grey Black	Mixed Coniferous	Reindeer Moss	Damp	Poor	Clay
1677796	50	B	Subtle Slope	Grey	Mixed Coniferous	Grass Cover	Damp	Good	Clay
1677797	50	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Sphagnum Moss < 30cm	Damp	Good	Clay
1677798	40	A	Pronounced Slo	Light Brown	Birch Forest	Leaf Cover	Dry	Poor	Sand
1677799	40	B	Subtle Slope	Chocolate Brow	Mixed Coniferous	Leaf Cover	Dry	Good	Sand
1677800									
1677801	50	B	Subtle Slope	Grey	Old Burn	Sphagnum Moss > 30cm	Damp	Good	Clay
1677802	50	B	Subtle Slope	Reddish Yellow	Birch Forest	Sphagnum Moss > 30cm	Dry	Good	Clay
1677803	60	B	Pronounced Slo	Grey	Mixed Coniferous	Sphagnum Moss > 30cm	Damp	Good	Clay
1677804	50	B	Subtle Slope	Dark Grey Black	Mixed Coniferous	Sphagnum Moss > 30cm	Damp	Good	Clay
1677805	40	A	Subtle Slope	Grey	Birch Forest	Sphagnum Moss < 30cm	Dry	Poor	Sand
1677806	30	A	Subtle Slope	Grey	Willows	Leaf Cover	Dry	Good	Sand
1677807	40	A	Subtle Slope	Grey	Birch Forest	Leaf Cover	Dry	Poor	Sand
1677808	50	B	Subtle Slope	Dark Grey Black	Birch Forest	Leaf Cover	Damp	Good	Clay
1677809	30	A	Subtle Slope	Light Brown	Dwarf Birch	Grass Cover	Dry	Poor	Sand
1677810	40	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Thin Moss Cover	Dry	Good	Clay
1677811	40	B	Subtle Slope	Chocolate Brow	Birch Forest	Sphagnum Moss < 30cm	Dry	Good	Sand
1677812	50	B	Subtle Slope	Dark Grey Black	Willows	Sphagnum Moss < 30cm	Damp	Good	Clay
1677813	40	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Leaf Cover	Dry	Good	Sand
1677814	40	B	Subtle Slope	Grey	Dwarf Birch	Leaf Cover	Dry	Good	Sand
1677815	50	B	Subtle Slope	Grey	Birch Forest	Thin Moss Cover	Dry	Good	Clay
1678944	70	B	Subtle Slope	Dark Brown	Alders	Leaf Cover	Damp	Good	Silt
1678945	40	B	Subtle Slope	Light Brown	White Spruce	Thin Moss Cover	Dry	Good	Silt
1678946	50	B	Subtle Slope	Light Brown	White Spruce	Thin Moss Cover	Dry	Good	Silt
1678947	50	B	Subtle Slope	Chocolate Brow	White Spruce	Thin Moss Cover	Damp	Good	Silt
1678948	50	B	Subtle Slope	Light Brown	White Spruce	Thin Moss Cover	Dry	Good	Sand

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1677788	Organic 10%			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677789	Organic 10%			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677790	Organic 10%,Rocky Terrain			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677791	Organic 10%,Partially Frozen,Rocky Terrain			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677792	Organic 10%,Sandy			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677793	Organic 10%,Rocky Terrain,Sandy			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677794	Organic 10%,Rocky Terrain,Sandy			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677795	Organic 10%,Rocky Terrain			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677796	Organic 10%			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677797	Organic 10%			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677798	Organic 10%,Sandy			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677799	Organic 10%,Sandy			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677800				'00116155	1677799	Soil	THR-20180801-0	White Gold C	WHI18000606
1677801	Clay,Organic 10%			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677802	Rocky Terrain			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677803	Clay,Organic 10%,Possible Creek Contamination			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677804	Organic 50%,Partially Frozen			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677805	Organic 10%,Rocky Terrain,Sandy			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677806	Rocky Terrain,Sandy			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677807	Organic 10%,Rocky Terrain,Sandy			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677808	Organic 10%			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677809	Fine,Organic 10%,Sandy			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677810	Rocky Terrain			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677811	Organic 10%,Rocky Terrain,Sandy			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677812	Organic 10%			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677813	Fine,Rocky Terrain			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677814	Fine,Organic 10%,Rocky Terrain			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1677815	Organic 10%,Rocky Terrain,Sandy			'00116155		Soil	THR-20180801-0	White Gold C	WHI18000606
1678944	Clay,Fine,Sandy			'00116204		Soil	WEL-20180809-0	White Gold C	WHI18000712
1678945	Fine,Rocky Sample,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold C	WHI18000712
1678946	Fine,Sandy			'00116204		Soil	WEL-20180809-0	White Gold C	WHI18000712
1678947	Clay,Fine			'00116204		Soil	WEL-20180809-0	White Gold C	WHI18000712
1678948	Fine,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold C	WHI18000712

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1677788	8/23/2018	8/9/2018	1.1	38.9	11.4	65	0.5	32.5	10	306	3.03	7.6	0.5
1677789	8/23/2018	8/9/2018	1.6	19.2	9	52	0.8	14.2	5.8	140	2.64	8.3	0.3
1677790	8/23/2018	8/9/2018	1.7	77.6	12.9	66	1.9	38.2	42.1	2878	2.8	8.6	1.4
1677791	8/23/2018	8/9/2018	0.8	33.9	10.6	75	0.4	27.2	7.7	194	2.12	4.8	0.6
1677792	8/23/2018	8/9/2018	1.6	28.9	10.3	77	0.4	24.7	12.4	1679	2.8	6	0.3
1677793	8/23/2018	8/9/2018	1.3	22.3	8.3	75	0.2	21.9	14.9	1862	2.48	4.7	0.3
1677794	8/23/2018	8/9/2018	2	30.1	10.3	99	0.2	25.8	13.7	4672	2.67	6.5	0.3
1677795	8/23/2018	8/9/2018	2.3	33.8	17	59	0.5	20.5	12.5	715	2.05	8.5	0.6
1677796	8/23/2018	8/9/2018	2.6	26.8	14.4	104	0.2	34.2	33.7	2810	3.24	23.9	0.5
1677797	8/23/2018	8/9/2018	1.3	52.5	9.9	48	1.1	25.9	7.5	173	2.64	6.5	1
1677798	8/23/2018	8/9/2018	1	13.9	5.9	37	0.7	14.5	6	195	1.97	4	0.2
1677799	8/23/2018	8/9/2018	1	19.2	8.5	56	0.4	24.7	13.9	545	3.07	6.4	0.4
1677800	8/23/2018	8/9/2018	1	18	8.4	51	0.5	23.3	18.7	1197	2.71	5.6	0.3
1677801	8/23/2018	8/9/2018	0.8	24.7	7.3	36	0.2	11.8	7.2	599	1.15	4.5	0.4
1677802	8/23/2018	8/9/2018	1.3	43.1	11.6	70	0.3	29.2	9.1	251	2.82	9.4	0.6
1677803	8/23/2018	8/9/2018	1.1	36.2	11.8	91	0.2	33.1	16.2	839	2.93	9	0.7
1677804	8/23/2018	8/9/2018	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1677805	8/23/2018	8/9/2018	1.2	22.7	8.5	39	0.1	12.8	7	351	1.87	2.7	0.5
1677806	8/23/2018	8/9/2018	0.8	25.4	12.2	62	0.1	14.3	11.9	604	3.07	4.5	0.7
1677807	8/23/2018	8/9/2018	1	27.8	9.8	39	0.1	13.6	7.5	238	2.08	4.2	0.6
1677808	8/23/2018	8/9/2018	0.7	74.6	7.9	31	0.4	20.9	11.9	719	2.35	4.3	2.2
1677809	8/23/2018	8/9/2018	1.3	24	10.3	46	0.2	18.2	10	343	2.82	9.2	0.5
1677810	8/23/2018	8/9/2018	1.5	44.6	13.5	68	0.4	24.9	16	1727	3.07	5.8	1.5
1677811	8/23/2018	8/9/2018	1.7	14.4	9.5	54	0.1	13.1	7.1	396	2.43	6.8	0.3
1677812	8/23/2018	8/9/2018	1	29.7	10.5	45	0.1	15.5	8.3	1089	1.62	4.4	1
1677813	8/23/2018	8/9/2018	0.7	16.3	8.9	35	0.05	12.8	6.4	218	2.04	4.1	0.7
1677814	8/23/2018	8/9/2018	1.2	26.3	13.5	48	0.3	18.1	8.8	321	2.42	5	1.3
1677815	8/23/2018	8/9/2018	0.6	14.7	19.7	50	0.05	14.5	7.9	249	2.51	4.3	1
1678944	9/2/2018	8/22/2018	0.8	66.4	9.7	66	0.2	36.5	11.7	711	2.25	4.9	1.1
1678945	9/2/2018	8/22/2018	1.2	67.9	12.2	62	0.2	50.9	21.4	930	3.33	10.2	0.8
1678946	9/2/2018	8/22/2018	1	93.9	9	55	0.2	43.1	14.3	863	3.11	10.7	0.9
1678947	9/2/2018	8/22/2018	1.2	43.4	10	45	0.5	30.1	11	1186	2.55	10.5	0.4
1678948	9/2/2018	8/22/2018	1.9	34.9	11.5	72	0.4	26.4	15.2	1115	3.3	10.6	0.4

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1677788	5.9	3.1	30	0.05	0.7	0.2	60	0.29	0.046	14	31	0.5	1013
1677789	6	1	13	0.05	0.6	0.2	73	0.13	0.039	6	26	0.29	356
1677790	7.2	0.6	32	0.5	0.9	0.2	56	0.26	0.064	12	26	0.19	951
1677791	5.2	1.5	36	0.1	0.5	0.2	46	0.37	0.067	12	29	0.44	888
1677792	1.6	1.6	39	0.2	0.7	0.2	73	0.41	0.039	8	31	0.43	900
1677793	0.5	1.1	44	0.3	0.6	0.2	66	0.61	0.036	7	27	0.34	803
1677794	0.5	1.5	45	0.4	0.6	0.2	68	0.68	0.06	7	27	0.37	947
1677795	3.1	0.5	22	0.1	0.4	0.2	52	0.21	0.053	9	29	0.34	303
1677796	5.9	2.2	30	0.1	1.1	0.2	72	0.33	0.054	10	33	0.61	395
1677797	5.3	1.6	32	0.3	1.8	0.2	66	0.32	0.031	12	31	0.36	1495
1677798	1	1	28	0.2	0.7	0.1	58	0.27	0.022	5	21	0.26	499
1677799	0.7	1.8	26	0.05	0.6	0.2	82	0.26	0.02	8	40	0.56	639
1677800	2	1.2	27	0.1	0.6	0.2	66	0.27	0.027	5	31	0.46	708
1677801	3.5	0.05	16	0.1	1.3	0.1	25	0.13	0.04	7	14	0.14	363
1677802	5.6	1.8	23	0.1	1.8	0.2	66	0.2	0.036	12	33	0.39	649
1677803	5.2	2.8	34	0.2	2	0.1	63	0.38	0.068	13	37	0.52	489
1677804	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1677805	2.6	1.4	26	0.3	0.3	0.1	48	0.35	0.034	16	19	0.31	200
1677806	0.25	3.3	45	0.2	0.3	0.2	72	0.74	0.065	21	23	0.77	246
1677807	1.5	1.4	31	0.3	0.3	0.2	54	0.46	0.041	25	21	0.38	256
1677808	3.6	2.7	90	0.4	0.5	0.2	47	1.59	0.065	106	25	0.38	267
1677809	1.5	2	28	0.1	0.4	0.2	63	0.39	0.043	14	27	0.45	256
1677810	2.7	5	60	0.8	0.4	0.2	70	0.85	0.092	124	32	0.47	357
1677811	0.25	1.4	25	0.2	0.4	0.2	72	0.33	0.041	7	25	0.36	151
1677812	1.6	0.4	84	0.5	0.3	0.1	37	1.43	0.111	26	20	0.3	238
1677813	3	2.6	25	0.05	0.2	0.1	52	0.35	0.051	14	24	0.46	154
1677814	0.25	1.7	33	0.1	0.3	0.2	57	0.45	0.079	18	29	0.54	222
1677815	1	6.4	25	0.05	0.3	0.3	49	0.39	0.068	29	25	0.61	184
1678944	5.8	2.2	55	0.2	0.8	0.4	45	1.02	0.075	16	28	0.47	1186
1678945	5.9	3.8	48	0.2	0.7	0.2	66	0.63	0.072	16	41	0.74	912
1678946	15.7	3.8	43	0.1	1.1	0.2	63	0.63	0.034	20	37	0.66	1371
1678947	2.8	2.4	46	0.2	1.1	0.3	55	0.44	0.037	10	29	0.49	1346
1678948	3.4	2.3	24	0.2	1.2	0.2	75	0.23	0.039	9	35	0.49	704

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1677788	0.06	2	1.69	0.014	0.07	0.05	0.05	3.7	0.05	0.025	5	0.25	0.1
1677789	0.059	1	1.48	0.01	0.04	0.05	0.02	2.3	0.05	0.025	7	0.25	0.1
1677790	0.035	2	1.66	0.015	0.04	0.05	0.2	3.2	0.1	0.025	5	1	0.1
1677791	0.061	2	1.2	0.018	0.06	0.1	0.16	3.4	0.05	0.025	5	0.7	0.1
1677792	0.075	1	1.53	0.023	0.1	0.05	0.02	3.3	0.05	0.025	6	0.25	0.1
1677793	0.073	1	1.2	0.025	0.08	0.05	0.02	2.6	0.05	0.025	6	0.25	0.1
1677794	0.076	2	1.19	0.033	0.13	0.05	0.02	3.1	0.05	0.025	6	0.25	0.1
1677795	0.045	1	1.26	0.015	0.07	0.05	0.05	2.5	0.2	0.025	6	0.25	0.1
1677796	0.09	2	1.51	0.03	0.06	0.05	0.03	3.5	0.1	0.025	5	0.25	0.1
1677797	0.062	2	1.44	0.018	0.07	0.05	0.16	4.2	0.2	0.05	6	0.6	0.1
1677798	0.065	1	0.85	0.02	0.08	0.05	0.03	1.9	0.05	0.025	5	0.25	0.1
1677799	0.096	1	1.9	0.023	0.06	0.05	0.04	3.8	0.2	0.025	7	0.25	0.1
1677800	0.055	0.5	1.54	0.018	0.04	0.05	0.02	2.6	0.05	0.025	5	0.25	0.1
1677801	0.022	3	0.62	0.016	0.05	0.05	0.05	0.9	0.05	0.025	3	0.25	0.1
1677802	0.057	1	1.66	0.016	0.07	0.05	0.07	3.8	0.1	0.025	6	0.6	0.1
1677803	0.088	1	1.53	0.023	0.09	0.05	0.23	4.8	0.2	0.025	5	0.5	0.1
1677804	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1677805	0.072	0.5	1.17	0.028	0.07	0.05	0.04	2.8	0.1	0.025	6	0.25	0.1
1677806	0.144	0.5	2.17	0.022	0.1	0.2	0.01	4.6	0.2	0.025	8	0.25	0.1
1677807	0.058	1	1.23	0.016	0.07	0.2	0.04	2.8	0.2	0.025	6	0.25	0.1
1677808	0.055	3	1.73	0.036	0.04	0.1	0.08	6.9	0.2	0.05	4	0.25	0.1
1677809	0.077	2	1.93	0.022	0.07	0.05	0.01	3.5	0.2	0.025	7	0.25	0.1
1677810	0.079	2	2.16	0.032	0.09	0.05	0.03	6.5	0.2	0.025	8	0.7	0.1
1677811	0.081	0.5	1.41	0.016	0.06	0.05	0.02	2.8	0.1	0.025	7	0.25	0.1
1677812	0.036	3	1.31	0.017	0.05	0.1	0.09	2.5	0.1	0.1	4	0.6	0.1
1677813	0.091	1	1.44	0.022	0.07	0.1	0.03	3.2	0.05	0.025	5	0.25	0.1
1677814	0.077	1	1.85	0.025	0.11	0.1	0.05	3.9	0.1	0.025	7	0.25	0.1
1677815	0.072	1	1.57	0.016	0.09	0.05	0.02	3.2	0.1	0.025	5	0.25	0.1
1678944	0.052	2	1.49	0.024	0.06	0.05	0.13	5.3	0.1	0.025	4	0.6	0.1
1678945	0.116	2	1.66	0.027	0.1	0.05	0.05	6.7	0.2	0.025	5	0.25	0.1
1678946	0.091	1	1.84	0.032	0.08	0.05	0.11	7.2	0.1	0.025	5	0.25	0.1
1678947	0.057	1	1.47	0.025	0.08	0.05	0.04	3.7	0.05	0.025	5	0.25	0.1
1678948	0.055	0.5	1.77	0.013	0.07	0.05	0.02	3.1	0.1	0.025	6	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1678949	WEL	Alexander Arbery	8/2/2018	07N	566330	6932426	-139.7116708	62.5168901	762	Mattock
1678950	WEL	Alexander Arbery	8/2/2018	07N	566330	6932426	-139.7116708	62.5168901	762	
1678951	WEL	Alexander Arbery	8/2/2018	07N	566296	6932461	-139.7123174	62.51721026	793	Mattock
1678952	WEL	Alexander Arbery	8/2/2018	07N	566261	6932497	-139.7129831	62.51753957	796	Auger
1678953	WEL	Alexander Arbery	8/2/2018	07N	566226	6932532	-139.7136492	62.51785991	796	Auger
1678954	WEL	Alexander Arbery	8/2/2018	07N	566191	6932568	-139.7143149	62.51818921	747	Auger
1678955	WEL	Alexander Arbery	8/2/2018	07N	566156	6932604	-139.7149806	62.51851852	723	Auger
1678956	WEL	Alexander Arbery	8/2/2018	07N	566120	6932639	-139.7156661	62.51883902	724	Auger
1678957	WEL	Alexander Arbery	8/2/2018	07N	566093	6932681	-139.7161742	62.51922073	693	Auger
1678958	WEL	Alexander Arbery	8/2/2018	07N	566051	6932710	-139.7169786	62.51948846	671	Auger
1678959	WEL	Alexander Arbery	8/2/2018	07N	566016	6932746	-139.7176444	62.51981775	704	Mattock
1678960	WEL	Alexander Arbery	8/2/2018	07N	565979	6932783	-139.7183486	62.52015637	714	Mattock
1678961	WEL	Alexander Arbery	8/2/2018	07N	565945	6932818	-139.7189954	62.5204765	698	Auger
1678962	WEL	Alexander Arbery	8/2/2018	07N	565910	6932854	-139.7196612	62.52080578	710	Auger
1678963	WEL	Alexander Arbery	8/2/2018	07N	565869	6932880	-139.7204474	62.52104639	691	Auger
1678964	WEL	Alexander Arbery	8/2/2018	07N	565840	6932926	-139.7209929	62.52146433	680	Auger
1678965	WEL	Alexander Arbery	8/2/2018	07N	565803	6932962	-139.7216976	62.52179396	711	Auger
1678966	WEL	Alexander Arbery	8/2/2018	07N	565769	6932997	-139.7223445	62.52211408	726	Auger
1678967	WEL	Alexander Arbery	8/2/2018	07N	565735	6933032	-139.7229913	62.52243419	742	Auger
1678968	WEL	Alexander Arbery	8/2/2018	07N	565698	6933068	-139.7236961	62.52276381	746	Auger
1678969	WEL	Alexander Arbery	8/2/2018	07N	565664	6933104	-139.7243426	62.52309289	759	Auger
1678970	WEL	Alexander Arbery	8/2/2018	07N	565623	6933130	-139.7251289	62.52333347	806	Auger
1678971	WEL	Alexander Arbery	8/2/2018	07N	565595	6933175	-139.7256554	62.52374225	796	Auger
1678972	WEL	Alexander Arbery	8/2/2018	07N	565559	6933211	-139.7263408	62.52407167	818	Mattock
1678973	WEL	Alexander Arbery	8/2/2018	07N	565524	6933246	-139.7270072	62.52439195	798	Mattock
1678974	WEL	Alexander Arbery	8/2/2018	07N	565489	6933283	-139.7276728	62.52473016	783	Mattock
1678975	WEL	Alexander Arbery	8/2/2018	07N	565489	6933283	-139.7276728	62.52473016	783	
1678976	WEL	Alexander Arbery	8/2/2018	07N	565454	6933318	-139.7283392	62.52505043	778	Mattock
1675193	WEL	Brendan Cooper	8/2/2018	07N	566574	6932319	-139.7069746	62.51588615	763	Auger
1675194	WEL	Brendan Cooper	8/2/2018	07N	566542	6932352	-139.7075831	62.51618803	749	Mattock
1675195	WEL	Brendan Cooper	8/2/2018	07N	566505	6932389	-139.7082871	62.5165267	781	Auger
1675196	WEL	Brendan Cooper	8/2/2018	07N	566471	6932424	-139.7089337	62.51684688	794	Auger
1675197	WEL	Brendan Cooper	8/2/2018	07N	566434	6932461	-139.7096378	62.51718554	806	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1678949	30	B	Flat	Reddish Brown	Mixed Coniferous	Thin Moss Cover	Dry	Good	Silt
1678950									
1678951	30	B	Flat	Reddish Brown	Mixed Coniferous	Thin Moss Cover	Dry	Good	Silt
1678952	40	B	Subtle Slope	Reddish Brown	Black Spruce	Thin Moss Cover	Damp	Good	Silt
1678953	50	B	Subtle Slope	Chocolate Brow	Birch Forest	Thin Moss Cover	Damp	Good	Silt
1678954	50	B	Pronounced Slo	Light Brown	Birch Forest	Leaf Cover	Dry	Good	Silt
1678955	50	B	Pronounced Slo	Chocolate Brow	Birch Forest	Thin Moss Cover	Damp	Good	Silt
1678956	50	B	Pronounced Slo	Light Brown	Birch Forest	Leaf Cover	Dry	Good	Silt
1678957	50	B	Subtle Slope	Chocolate Brow	White Spruce	Sphagnum Moss > 30cm	Damp	Good	Sand
1678958	80	B	Subtle Slope	Grey	Birch Forest	Thin Moss Cover	Damp	Good	Clay
1678959	40	B	Pronounced Slo	Light Brown	Birch Forest	Leaf Cover	Dry	Good	Silt
1678960	40	B	Pronounced Slo	Light Brown	Birch Forest	Leaf Cover	Dry	Good	Silt
1678961	60	B	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Wet	Good	Clay
1678962	60	B	Pronounced Slo	Chocolate Brow	Black Spruce	Sphagnum Moss > 30cm	Damp	Good	Clay
1678963	100	C	Pronounced Slo	Chocolate Brow	White Spruce	Thin Moss Cover	Damp	Good	Silt
1678964	60	B	Pronounced Slo	Dark Brown	Alders	Thin Moss Cover	Damp	Good	Silt
1678965	40	B	Pronounced Slo	Chocolate Brow	Willows	Grass Cover	Dry	Good	Silt
1678966	40	B	Pronounced Slo	Light Brown	Birch Forest	Leaf Cover	Dry	Good	Silt
1678967	60	C	Pronounced Slo	Light Brown	Birch Forest	Leaf Cover	Damp	Good	Silt
1678968	60	C	Pronounced Slo	Chocolate Brow	Birch Forest	Leaf Cover	Damp	Good	Silt
1678969	60	C	Pronounced Slo	Chocolate Brow	Birch Forest	Leaf Cover	Damp	Good	Silt
1678970	50	B	Pronounced Slo	Reddish Brown	Birch Forest	Thin Moss Cover	Damp	Good	Silt
1678971	40	B	Subtle Slope	Reddish Brown	Birch Forest	Leaf Cover	Dry	Good	Silt
1678972	30	B	Subtle Slope	Yellow	Black Spruce	Thin Moss Cover	Dry	Good	Silt
1678973	30	B	Subtle Slope	Reddish Yellow	Birch Forest	Thin Moss Cover	Dry	Good	Silt
1678974	40	B	Subtle Slope	Light Brown	Birch Forest	Burnt Moss	Dry	Good	Silt
1678975									
1678976	30	B	Subtle Slope	Light Brown	Birch Forest	Burnt Moss	Dry	Good	Silt
1675193	60	C	Pronounced Slo	Chocolate Brow	Poplar	Leaf Cover	Dry	Good	Silt
1675194	20	C	Pronounced Slo	Chocolate Brow	Poplar	Bare Soil	Dry	Poor	Gravel
1675195	50	B	Subtle Slope	Light Brown	White Spruce	Needle Cover	Dry	Good	Clay
1675196	50	B	Subtle Slope	Chocolate Brow	White Spruce	Needle Cover	Dry	Good	Silt
1675197	40	B	Subtle Slope	Chocolate Brow	White Spruce	Needle Cover	Dry	Good	Silt

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1678949	Clay,Fine,Rocky Sample,Rocky Terrain,Sandy			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678950				'00116204	1678949	Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678951	Clay,Dull Red Rust,Fine			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678952	Fine,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678953	Coarse,Rocky Sample,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678954	Fine,Rocky Sample,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678955	Fine,Organic 10%,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678956	Fine,Rocky Sample,Rocky Terrain,Sandy			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678957	Coarse,Rocky Sample,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678958	Rocky Sample,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678959	Fine,Sandy			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678960	Fine,Rocky Sample,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678961	Bright Orange Rust,Rusty Rock Chip			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678962	Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678963	Bright Orange Rust,Fine			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678964	Fine,Organic 10%,Sandy			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678965	Clay,Fine,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678966	Fine,Rocky Sample,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678967	Bright Orange Rust,Clay			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678968	Bright Orange Rust,Fine			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678969	Fine,Rocky Terrain,Sandy			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678970	Clay,Fine,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678971	Clay,Fine,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678972	Clay,Fine,Rocky Sample,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678973	Clay,Fine,Rocky Sample,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678974	Fine,Rocky Sample,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678975				'00116204	1678974	Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678976	Fine,Rocky Sample,Rocky Terrain			'00116204		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675193	Clay,Fine,Sandy			'00116205		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675194	Coarse,Rocky Sample,Rocky Terrain,Sandy,Talus			'00116205		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675195	Clay,Sandy			'00116205		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675196	Clay,Coarse,Sandy			'00116205		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675197	Clay,Sandy			'00116205		Soil	WEL-20180809-0	White Gold Co	WHI18000712

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1678949	9/2/2018	8/22/2018	1.6	22.5	10.6	69	0.2	24.4	11	337	3.51	10.9	0.4
1678950	9/2/2018	8/22/2018	1.7	24.5	10.5	61	0.4	24.4	11.1	417	3.5	11.1	0.6
1678951	9/2/2018	8/22/2018	1.4	26.6	9.3	60	0.8	26.3	12.8	251	3.58	11.5	0.5
1678952	9/2/2018	8/22/2018	1.4	19.4	9.4	44	0.7	18.6	8.4	266	3.01	7.4	0.3
1678953	9/2/2018	8/22/2018	1.1	40.1	8.5	62	0.2	29.9	11	255	2.9	9.8	0.5
1678954	9/2/2018	8/22/2018	0.8	44.6	8.9	65	0.3	32.2	14	346	3.09	8.5	0.5
1678955	9/2/2018	8/22/2018	0.9	33.9	7.8	61	0.3	31.4	10.4	267	2.83	9.7	0.4
1678956	9/2/2018	8/22/2018	0.8	43.1	7.7	67	0.4	36.2	13.5	1215	2.74	10.8	1
1678957	9/2/2018	8/22/2018	1	56.4	8.4	69	0.3	33.8	11.8	1111	2.39	6.4	0.7
1678958	9/2/2018	8/22/2018	1.7	78.1	12.1	78	0.1	30.4	9.5	660	2.36	6.7	1.6
1678959	9/2/2018	8/22/2018	1.3	37	10.6	54	0.05	23.9	10.1	351	2.93	7.7	0.5
1678960	9/2/2018	8/22/2018	4.6	39.2	10.7	66	0.1	27.9	11.8	546	2.97	9	0.4
1678961	9/2/2018	8/22/2018	3.2	40.5	8.8	60	0.1	22.9	10.1	711	2.96	10.3	0.7
1678962	9/2/2018	8/22/2018	1.9	32.9	10.1	81	0.2	22.4	8.7	299	2.46	11.3	0.9
1678963	9/2/2018	8/22/2018	0.5	42.7	7.4	57	0.05	28.4	12.8	484	2.57	7.3	0.7
1678964	9/2/2018	8/22/2018	0.5	42.9	6.2	55	0.1	25.9	10.1	334	2.32	5.5	0.8
1678965	9/2/2018	8/22/2018	0.8	59.9	7.3	52	0.2	30.8	10.6	304	2.51	7.6	1
1678966	9/2/2018	8/22/2018	1	50.1	7.8	65	0.2	33.7	13.7	665	2.79	9.6	0.9
1678967	9/2/2018	8/22/2018	0.6	28.2	7.5	49	0.1	24.2	11.2	337	2.63	8.3	0.9
1678968	9/2/2018	8/22/2018	0.5	40.1	9.8	54	0.1	26.2	11	462	2.96	7.7	1.1
1678969	9/2/2018	8/22/2018	0.5	29.8	12.8	57	0.05	23.2	11.9	513	2.94	7.2	0.5
1678970	9/2/2018	8/22/2018	0.8	19.1	8.3	48	0.05	21.9	12.2	378	3.09	7.5	0.5
1678971	9/2/2018	8/22/2018	1	19.6	9.1	60	0.05	23.1	12.1	791	2.94	6.9	0.4
1678972	9/2/2018	8/22/2018	1	17.8	20.2	68	0.05	25.1	13.5	366	3.48	11.4	0.5
1678973	9/2/2018	8/22/2018	0.9	18	14.8	57	0.05	16.9	15.6	426	3.08	10.1	0.6
1678974	9/2/2018	8/22/2018	0.7	16.3	11.4	36	0.05	9.6	6.6	262	2.16	5	0.9
1678975	9/2/2018	8/22/2018	0.7	16.6	11.2	37	0.05	11.2	6.8	211	2.14	4.7	0.9
1678976	9/2/2018	8/22/2018	0.9	14.8	11.2	44	0.05	10.7	6.3	192	2.34	6	0.8
1675193	9/2/2018	8/22/2018	1	54	11.8	58	0.1	33.2	17.4	745	3.8	8.9	0.7
1675194	9/2/2018	8/22/2018	1.2	53.1	14	80	0.2	35.8	18	1039	3.57	8.9	0.6
1675195	9/2/2018	8/22/2018	0.7	30.2	4.7	71	0.05	51.7	25.6	577	3.46	10.7	0.4
1675196	9/2/2018	8/22/2018	1.4	33.1	8.3	68	0.4	33.8	14.5	806	3.58	8.3	0.5
1675197	9/2/2018	8/22/2018	1.1	23.5	8.4	59	0.2	28.8	12.2	354	3.5	9.1	0.4

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1678949	3.4	2.5	20	0.1	1.2	0.2	81	0.19	0.024	10	35	0.53	474
1678950	2.9	2.4	21	0.1	1.1	0.2	87	0.22	0.026	8	41	0.54	509
1678951	3.9	2.1	16	0.1	1.2	0.2	85	0.15	0.02	8	40	0.54	333
1678952	3.7	1.4	17	0.2	0.7	0.2	84	0.2	0.027	6	32	0.37	323
1678953	2.8	2.5	19	0.2	1.2	0.2	65	0.18	0.029	10	30	0.38	490
1678954	9.2	3	28	0.1	1.3	0.2	62	0.3	0.043	13	31	0.49	1013
1678955	7.1	2.2	26	0.2	1.1	0.1	63	0.28	0.037	10	30	0.55	545
1678956	6.6	3.1	40	0.1	1.2	0.2	59	0.4	0.056	14	33	0.55	765
1678957	10.4	2.1	78	0.2	1	0.2	48	0.71	0.065	11	26	0.55	847
1678958	4.8	4.8	62	0.3	1.9	0.2	42	0.57	0.051	25	28	0.49	804
1678959	6	2.5	22	0.05	0.6	0.2	65	0.21	0.023	10	34	0.5	762
1678960	2.2	2.3	25	0.1	0.8	0.2	69	0.26	0.027	9	79	0.63	757
1678961	3.4	2.5	30	0.3	0.5	0.2	72	0.28	0.044	12	42	0.52	1058
1678962	4.1	1.7	29	0.4	0.7	0.2	59	0.33	0.069	11	35	0.5	308
1678963	3.9	2.5	51	0.2	0.6	0.1	62	0.99	0.069	13	33	0.66	292
1678964	4.1	2.6	52	0.2	0.6	0.1	55	0.87	0.083	14	30	0.61	465
1678965	2.7	2.4	54	0.3	0.7	0.1	59	0.72	0.056	14	33	0.55	1012
1678966	2.1	3.2	65	0.4	1.1	0.2	58	1.02	0.086	15	34	0.64	1557
1678967	2.1	3.6	54	0.1	0.5	0.2	54	0.73	0.061	16	33	0.73	925
1678968	3.3	4.4	44	0.2	0.6	0.2	57	0.72	0.052	22	33	0.69	319
1678969	4.3	6.3	34	0.1	0.5	0.2	58	0.52	0.067	28	28	0.78	187
1678970	5.1	3.3	29	0.05	0.5	0.2	68	0.41	0.024	14	37	0.62	164
1678971	1.6	2.5	34	0.2	0.5	0.2	64	0.55	0.057	12	33	0.59	237
1678972	3.5	3.6	27	0.2	0.6	0.2	67	0.37	0.072	12	34	0.58	216
1678973	2.1	2.7	22	0.2	0.5	0.2	70	0.26	0.091	15	28	0.56	183
1678974	1.4	3.4	26	0.1	0.3	0.2	49	0.32	0.059	16	19	0.38	166
1678975	2.4	3.2	25	0.1	0.3	0.2	44	0.33	0.047	15	21	0.38	156
1678976	2	3.5	26	0.1	0.3	0.2	53	0.31	0.063	24	20	0.52	132
1675193	3.7	4.9	33	0.05	0.7	0.2	86	0.58	0.028	21	48	0.72	362
1675194	2.6	4.3	27	0.1	0.8	0.2	86	0.47	0.033	15	43	0.8	497
1675195	1.1	2	24	0.1	0.7	0.1	89	0.59	0.022	5	84	1.31	254
1675196	2.5	2.6	27	0.2	0.8	0.3	69	0.45	0.066	11	41	0.73	828
1675197	1.8	2.6	26	0.1	0.7	0.1	83	0.3	0.033	9	47	0.72	610

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1678949	0.071	0.5	1.92	0.011	0.05	0.05	0.01	3.2	0.1	0.025	7	0.25	0.1
1678950	0.075	0.5	2.14	0.012	0.04	0.05	0.02	3.5	0.1	0.025	7	0.25	0.1
1678951	0.079	0.5	2.46	0.017	0.03	0.05	0.02	3.7	0.1	0.025	7	0.25	0.1
1678952	0.063	0.5	1.7	0.017	0.02	0.05	0.01	2.4	0.05	0.025	7	0.25	0.1
1678953	0.068	0.5	1.68	0.015	0.05	0.1	0.02	3.2	0.05	0.025	5	0.25	0.1
1678954	0.082	0.5	1.56	0.017	0.07	0.1	0.06	3.8	0.05	0.025	4	0.25	0.1
1678955	0.077	1	1.61	0.019	0.06	0.05	0.04	3.4	0.05	0.025	4	0.25	0.1
1678956	0.071	1	1.67	0.027	0.06	0.1	0.1	5	0.05	0.025	5	0.7	0.1
1678957	0.057	2	1.25	0.026	0.07	0.05	0.09	4	0.05	0.06	3	0.8	0.1
1678958	0.054	2	1.21	0.026	0.1	0.05	0.13	5.3	0.1	0.025	4	0.25	0.1
1678959	0.071	0.5	1.83	0.012	0.07	0.05	0.02	3.5	0.05	0.025	5	0.25	0.1
1678960	0.053	0.5	1.54	0.014	0.09	0.05	0.02	4.1	0.1	0.025	5	0.25	0.1
1678961	0.073	1	1.92	0.016	0.07	0.05	0.04	4.5	0.1	0.025	6	0.25	0.1
1678962	0.068	1	1.35	0.024	0.07	0.05	0.08	3.9	0.2	0.025	4	0.6	0.1
1678963	0.096	2	1.43	0.046	0.05	0.1	0.03	5.1	0.05	0.025	4	0.25	0.1
1678964	0.089	2	1.26	0.042	0.06	0.1	0.06	4.7	0.05	0.025	4	0.25	0.1
1678965	0.075	2	1.51	0.028	0.07	0.05	0.07	5	0.05	0.025	5	0.25	0.1
1678966	0.082	2	1.67	0.033	0.07	0.05	0.06	5.9	0.05	0.025	5	0.25	0.1
1678967	0.087	1	1.81	0.04	0.07	0.1	0.02	5.5	0.05	0.025	5	0.25	0.1
1678968	0.096	1	1.74	0.033	0.07	0.1	0.02	6	0.05	0.025	5	0.25	0.1
1678969	0.092	1	1.81	0.03	0.07	0.2	0.02	5.7	0.2	0.025	6	0.25	0.1
1678970	0.095	0.5	1.87	0.023	0.08	0.05	0.01	5.2	0.1	0.025	5	0.25	0.1
1678971	0.067	2	2.01	0.022	0.14	0.05	0.02	4.1	0.1	0.025	6	0.25	0.1
1678972	0.067	1	2.18	0.012	0.12	0.1	0.005	3.1	0.1	0.025	6	0.25	0.1
1678973	0.057	0.5	2.05	0.014	0.1	0.05	0.005	3.3	0.1	0.025	6	0.25	0.1
1678974	0.057	0.5	1.55	0.016	0.08	0.05	0.03	3.4	0.1	0.025	6	0.25	0.1
1678975	0.053	1	1.48	0.016	0.08	0.05	0.03	3.5	0.1	0.025	5	0.25	0.1
1678976	0.065	0.5	1.53	0.012	0.08	0.05	0.02	3.4	0.1	0.025	7	0.25	0.1
1675193	0.116	2	2.46	0.016	0.11	0.1	0.02	8.9	0.05	0.025	7	0.25	0.1
1675194	0.119	2	2.18	0.013	0.11	0.2	0.01	7.8	0.1	0.025	7	0.25	0.1
1675195	0.205	1	2.6	0.011	0.06	0.2	0.005	4.7	0.05	0.025	6	0.25	0.1
1675196	0.062	1	2.28	0.017	0.09	0.05	0.03	4.3	0.1	0.025	6	0.25	0.1
1675197	0.08	1	2.25	0.014	0.08	0.05	0.005	3.7	0.05	0.025	6	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1675198	WEL	Brendan Cooper	8/2/2018	07N	566401	6932495	-139.7102654	62.51749656	776	Auger
1675199	WEL	Brendan Cooper	8/2/2018	07N	566332	6932567	-139.7115773	62.51815502	772	Auger
1675200	WEL	Brendan Cooper	8/2/2018	07N	566332	6932567	-139.7115773	62.51815502	772	
1675201	WEL	Brendan Cooper	8/2/2018	07N	566366	6932531	-139.7109311	62.51782588	791	Auger
1675202	WEL	Brendan Cooper	8/2/2018	07N	566295	6932603	-139.7122818	62.51848469	768	Auger
1675203	WEL	Brendan Cooper	8/2/2018	07N	566260	6932639	-139.7129475	62.51881401	743	Auger
1675204	WEL	Brendan Cooper	8/2/2018	07N	566226	6932675	-139.7135938	62.51914314	747	Auger
1675205	WEL	Brendan Cooper	8/2/2018	07N	566190	6932711	-139.714279	62.51947262	723	Auger
1675206	WEL	Brendan Cooper	8/2/2018	07N	566153	6932747	-139.7149836	62.51980228	699	Auger
1675207	WEL	Brendan Cooper	8/2/2018	07N	566120	6932782	-139.7156109	62.52012225	677	Auger
1675208	WEL	Brendan Cooper	8/2/2018	07N	566084	6932818	-139.7162961	62.52045173	694	Auger
1675209	WEL	Brendan Cooper	8/2/2018	07N	566051	6932853	-139.7169234	62.52077169	660	Auger
1675210	WEL	Brendan Cooper	8/2/2018	07N	566016	6932888	-139.7175896	62.52109201	707	Auger
1675211	WEL	Brendan Cooper	8/2/2018	07N	565981	6932924	-139.7182554	62.5214213	652	Auger
1675212	WEL	Brendan Cooper	8/2/2018	07N	565947	6932961	-139.7189015	62.52175938	685	Auger
1675213	WEL	Brendan Cooper	8/2/2018	07N	565911	6932995	-139.7195875	62.52207089	668	Auger
1675214	WEL	Brendan Cooper	8/2/2018	07N	565876	6933032	-139.720253	62.52240914	697	Auger
1675215	WEL	Brendan Cooper	8/2/2018	07N	565841	6933067	-139.7209193	62.52272944	702	Mattock
1675216	WEL	Brendan Cooper	8/2/2018	07N	565806	6933103	-139.7215852	62.52305871	716	Mattock
1675217	WEL	Brendan Cooper	8/2/2018	07N	565771	6933138	-139.7222514	62.52337901	746	Auger
1675218	WEL	Brendan Cooper	8/2/2018	07N	565735	6933175	-139.7229364	62.52371743	749	Mattock
1675219	WEL	Brendan Cooper	8/2/2018	07N	565700	6933210	-139.7236027	62.52403771	772	Mattock
1675220	WEL	Brendan Cooper	8/2/2018	07N	565667	6933245	-139.7242302	62.52435765	809	Mattock
1675221	WEL	Brendan Cooper	8/2/2018	07N	565630	6933281	-139.724935	62.52468726	776	Mattock
1675222	WEL	Brendan Cooper	8/2/2018	07N	565594	6933318	-139.7256201	62.52502566	782	Mattock
1675223	WEL	Brendan Cooper	8/2/2018	07N	565560	6933352	-139.7262674	62.52533678	765	Mattock
1675224	WEL	Brendan Cooper	8/2/2018	07N	565526	6933388	-139.726914	62.52566585	760	Mattock
1675225	WEL	Brendan Cooper	8/2/2018	07N	565526	6933388	-139.726914	62.52566585	760	
1675226	WEL	Brendan Cooper	8/3/2018	07N	557024	6927577	-139.8939904	62.47492321	1055	Auger
1675227	WEL	Brendan Cooper	8/3/2018	07N	557058	6927544	-139.8933421	62.47462184	1059	Auger
1675228	WEL	Brendan Cooper	8/3/2018	07N	557094	6927508	-139.892656	62.47429323	1015	Auger
1675229	WEL	Brendan Cooper	8/3/2018	07N	557131	6927470	-139.8919511	62.47394651	1020	Auger
1675230	WEL	Brendan Cooper	8/3/2018	07N	557164	6927436	-139.8913226	62.4736363	1010	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1675198	40	B	Flat	Light Brown	White Spruce	Reindeer Moss	Dry	Good	Clay
1675199	70	C	Subtle Slope	Chocolate Brow	Mixed Coniferous	Sphagnum Moss < 30cm	Damp	Good	Silt
1675200									
1675201	40	B	Subtle Slope	Chocolate Brow	Alders	Leaf Cover	Dry	Good	Silt
1675202	70	C	Subtle Slope	Grey	Black Spruce	Reindeer Moss	Damp	Good	Clay
1675203	60	B	Subtle Slope	Dark Brown	Black Spruce	Reindeer Moss	Damp	Good	Silt
1675204	60	B	Pronounced Slo	Dark Brown	Black Spruce	Reindeer Moss	Damp	Good	Silt
1675205	80	B	Subtle Slope	Dark Brown	White Spruce	Needle Cover	Damp	Good	Silt
1675206	60	B	Pronounced Slo	Dark Brown	White Spruce	Leaf Cover	Damp	Poor	Clay
1675207	40	B	Pronounced Slo	Dark Brown	White Spruce	Sphagnum Moss < 30cm	Damp	Good	Silt
1675208	40	B	Subtle Slope	Dark Brown	Black Spruce	Reindeer Moss	Damp	Poor	Silt
1675209	70	C	Subtle Slope	Dark Brown	Dwarf Birch	Grass Cover	Damp	Good	Clay
1675210	50	C	Subtle Slope	Dark Brown	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Silt
1675211	80	B	Subtle Slope	Dark Brown	Old Burn	Grass Cover	Damp	Excellent	Silt
1675212	60	B	Flat	Dark Brown	Alders	Leaf Cover	Damp	Good	Silt
1675213	60	C	Subtle Slope	Grey	Old Burn	Burnt Moss	Damp	Good	Silt
1675214	50	B	Pronounced Slo	Chocolate Brow	Old Burn	Grass Cover	Dry	Good	Silt
1675215	60	B	Pronounced Slo	Light Brown	Dwarf Birch	Leaf Cover	Dry	Good	Silt
1675216	40	B	Pronounced Slo	Chocolate Brow	Old Burn	Grass Cover	Dry	Good	Silt
1675217	70	B	Pronounced Slo	Chocolate Brow	Old Burn	Grass Cover	Dry	Good	Silt
1675218	40	B	Pronounced Slo	Chocolate Brow	Old Burn	Grass Cover	Dry	Poor	Silt
1675219	40	B	Pronounced Slo	Chocolate Brow	White Spruce	Reindeer Moss	Dry	Good	Clay
1675220	30	B	Flat	Reddish Brown	Old Burn	Thin Moss Cover	Dry	Good	Clay
1675221	20	B	Subtle Slope	Reddish Brown	Dwarf Birch	Grass Cover	Dry	Poor	Silt
1675222	30	B	Subtle Slope	Chocolate Brow	Old Burn	Grass Cover	Dry	Good	Clay
1675223	40	B	Subtle Slope	Chocolate Brow	Old Burn	Grass Cover	Dry	Good	Silt
1675224	40	B	Subtle Slope	Light Brown	Birch Forest	Burnt Moss	Dry	Good	Clay
1675225									
1675226	60	C	Subtle Slope	Chocolate Brow	Old Burn	Grass Cover	Dry	Good	Sand
1675227	40	B	Subtle Slope	Reddish Yellow	Dwarf Birch	Leaf Cover	Dry	Good	Silt
1675228	40	B	Pronounced Slo	Reddish Yellow	Dwarf Birch	Grass Cover	Dry	Poor	Silt
1675229	50	B	Pronounced Slo	Reddish Yellow	Old Burn	Grass Cover	Dry	Good	Silt
1675230	80	C	Pronounced Slo	Chocolate Brow	Old Burn	Grass Cover	Dry	Good	Sand

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1675198	Clay,Coarse,Rocky Sample,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675199	Clay,Coarse,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675200				'00116205	1675199	Soil	WEL-20180809-0	White Gold C	WHI18000712
1675201	Clay,Coarse,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675202	Clay,Coarse,Rocky Sample,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675203	Clay,Coarse,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675204	Clay,Coarse,Rocky Sample,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675205	Clay,Coarse,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675206	Clay,Coarse,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675207	Clay,Coarse,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675208	Clay,Coarse,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675209	Coarse,Rocky Sample,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675210	Clay,Coarse,Rocky Sample,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675211	Clay,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675212	Clay,Coarse,Possible Creek Contamination,Rocky Sample,Rusty Rock			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675213	Clay,Coarse,Rocky Sample,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675214	Coarse,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675215	Coarse,Rocky Sample,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675216	Clay,Coarse,Rocky Sample			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675217	Clay,Coarse,Rocky Sample			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675218	Clay,Coarse,Rocky Sample,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675219	Clay,Coarse,Rocky Sample			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675220	Clay,Coarse,Talus			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675221	Clay,Coarse,Talus			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675222	Clay,Coarse,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675223	Clay,Coarse,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675224	Clay,Coarse,Sandy			'00116205		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675225				'00116205	1675224	Soil	WEL-20180809-0	White Gold C	WHI18000712
1675226	Sandy			'00116206		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675227	Clay,Sandy			'00116206		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675228	Clay,Coarse,Sandy			'00116206		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675229	Clay,Sandy			'00116206		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675230	Sandy			'00116206		Soil	WEL-20180809-0	White Gold C	WHI18000712

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1675198	9/2/2018	8/22/2018	0.6	168.5	34.4	151	0.1	69.3	26.3	3498	4.1	13.8	0.9
1675199	9/2/2018	8/22/2018	0.7	51.7	7	55	0.1	34.9	12.8	328	2.82	10	0.7
1675200	9/2/2018	8/22/2018	0.7	49.3	6.5	58	0.1	33.6	12.8	308	2.68	10.3	0.8
1675201	9/2/2018	8/22/2018	1.8	19.3	10.1	61	0.4	18	8.8	247	3.26	15.3	0.4
1675202	9/2/2018	8/22/2018	1	81.3	9.4	99	0.4	54.5	16	522	2.74	11.5	1
1675203	9/2/2018	8/22/2018	0.3	36.7	7.2	72	0.1	26.2	10.2	234	2.6	6.3	0.6
1675204	9/2/2018	8/22/2018	1.2	58.7	8.3	117	0.3	61.1	14.1	877	2.89	8.4	0.8
1675205	9/2/2018	8/22/2018	0.5	36.4	5.8	50	0.05	27.2	11.8	466	2.62	7.6	0.8
1675206	9/2/2018	8/22/2018	0.5	36.7	5.4	50	0.05	28.3	11.3	507	2.35	6.6	0.7
1675207	9/2/2018	8/22/2018	0.5	28.3	5.1	51	0.05	24.9	11.6	535	2.29	5.7	0.8
1675208	9/2/2018	8/22/2018	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1675209	9/2/2018	8/22/2018	0.9	75.3	7.3	58	0.05	30.1	13.4	1060	2.41	5.7	0.9
1675210	9/2/2018	8/22/2018	0.9	50.8	7	67	0.05	28.8	13.4	840	2.39	5.6	0.9
1675211	9/2/2018	8/22/2018	0.5	38.5	5.9	67	0.05	28.6	13.3	443	2.66	6.8	0.8
1675212	9/2/2018	8/22/2018	0.6	23.9	8.5	57	0.05	16.3	9	348	2.45	4.7	0.9
1675213	9/2/2018	8/22/2018	0.6	52.2	7.4	59	0.2	28.7	9.9	395	2.71	6.1	1
1675214	9/2/2018	8/22/2018	1.3	48.8	9.3	58	0.3	32.9	11.5	443	2.98	9.3	0.9
1675215	9/2/2018	8/22/2018	2.2	41.6	10.1	68	0.6	23.6	8.3	345	2.98	15.4	1.2
1675216	9/2/2018	8/22/2018	0.9	35	5.6	48	0.05	39.7	13.4	337	3.26	7	0.6
1675217	9/2/2018	8/22/2018	0.7	28.3	12	50	0.05	26.8	12.9	733	3.12	8.2	0.8
1675218	9/2/2018	8/22/2018	0.7	25.8	11.1	46	0.05	23.8	11.9	369	3.32	8	0.6
1675219	9/2/2018	8/22/2018	1.2	15.8	14.7	60	0.05	14.8	9.3	436	3.01	5.3	0.5
1675220	9/2/2018	8/22/2018	1.6	16.1	10	49	0.05	21.4	10.7	349	3.17	7.1	0.4
1675221	9/2/2018	8/22/2018	1.6	43.2	16	74	0.05	36.2	17.5	678	3.9	14.2	1.8
1675222	9/2/2018	8/22/2018	0.8	22.7	13.1	47	0.05	19	9.3	287	2.9	8.4	0.7
1675223	9/2/2018	8/22/2018	0.5	17.9	10.2	46	0.05	13.7	8.1	215	2.51	3.6	1
1675224	9/2/2018	8/22/2018	0.7	19.7	10.5	45	0.05	16.8	9.3	254	2.77	5.6	1.2
1675225	9/2/2018	8/22/2018	0.6	18.8	10.2	46	0.05	15.6	9.3	239	2.64	5.7	1.2
1675226	9/2/2018	8/22/2018	0.7	28.7	17.9	52	0.05	26.4	10.2	293	2.71	12.8	1
1675227	9/2/2018	8/22/2018	1.2	21.3	21.2	67	0.05	25.1	12	576	3.03	10.5	0.6
1675228	9/2/2018	8/22/2018	1.4	26.6	11.5	83	0.2	29.7	16.1	664	4.08	10.8	0.5
1675229	9/2/2018	8/22/2018	0.9	27.1	13.1	57	0.05	22.4	10.3	541	3.35	10.6	0.6
1675230	9/2/2018	8/22/2018	0.7	26.8	10.8	59	0.05	24.7	10.6	519	3.28	10.2	0.6

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1675198	14.4	4.2	36	0.1	2.9	0.3	24	0.13	0.07	36	7	0.45	1683
1675199	9.4	3.2	31	0.1	1.5	0.1	65	0.37	0.062	13	38	0.54	1171
1675200	7.2	3.3	31	0.1	1.5	0.2	62	0.34	0.06	14	35	0.52	1332
1675201	6.6	2.3	16	0.1	2.3	0.2	81	0.15	0.031	10	39	0.38	279
1675202	9.5	3.2	37	0.2	2.5	0.2	56	0.32	0.05	16	30	0.41	1221
1675203	4.9	3	38	0.2	0.8	0.2	64	0.54	0.063	13	35	0.6	464
1675204	6.8	3.5	41	0.2	1.5	0.2	57	0.45	0.066	14	31	0.51	458
1675205	4.1	2.6	52	0.2	0.6	0.1	61	0.94	0.068	13	32	0.51	334
1675206	4.7	2.7	51	0.1	0.5	0.1	58	0.99	0.074	12	31	0.58	334
1675207	4	2	53	0.3	0.5	0.1	54	1.22	0.078	10	30	0.56	277
1675208	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1675209	4	2.6	50	0.2	0.6	0.2	58	0.86	0.062	13	35	0.54	833
1675210	4.4	2.8	43	0.2	0.5	0.1	62	0.62	0.072	13	36	0.54	558
1675211	12	3.1	62	0.2	0.5	0.1	70	1.73	0.098	13	35	0.79	167
1675212	2.7	3.2	44	0.1	0.5	0.1	54	0.62	0.086	17	24	0.66	445
1675213	18.8	3.1	53	0.2	0.9	0.1	60	0.78	0.098	15	31	0.6	547
1675214	1.7	3.1	57	0.1	0.9	0.1	62	0.65	0.054	14	32	0.57	1010
1675215	3.7	2.8	153	0.1	2.2	0.1	60	0.44	0.113	13	31	0.46	1205
1675216	2	2.6	39	0.1	0.5	0.1	67	0.53	0.049	13	45	0.79	738
1675217	2.6	5.6	35	0.2	0.5	0.2	61	0.6	0.058	24	36	0.64	255
1675218	2.2	6.6	30	0.05	0.4	0.2	70	0.46	0.05	17	38	0.7	140
1675219	0.9	3.8	21	0.2	0.5	0.2	48	0.28	0.037	13	22	0.65	253
1675220	2.3	1.6	21	0.2	0.7	0.2	75	0.25	0.028	9	35	0.5	139
1675221	3.5	6.2	33	0.1	1.1	0.2	82	0.44	0.061	15	46	0.64	396
1675222	4	3.7	29	0.05	0.5	0.2	66	0.43	0.048	19	33	0.57	209
1675223	2.1	5.6	25	0.05	0.3	0.1	48	0.36	0.075	25	24	0.57	115
1675224	3.6	5	30	0.05	0.3	0.1	55	0.4	0.059	23	30	0.59	167
1675225	2.8	5.3	30	0.05	0.3	0.1	56	0.42	0.056	23	29	0.59	175
1675226	2	6.2	24	0.1	1.2	0.2	62	0.33	0.062	25	30	0.54	252
1675227	1.1	3.5	20	0.2	0.8	0.2	81	0.24	0.041	12	34	0.6	205
1675228	2.8	2.4	25	0.2	0.8	0.2	94	0.34	0.046	10	38	0.66	236
1675229	1.6	3.9	25	0.1	0.7	0.2	70	0.31	0.03	22	32	0.63	310
1675230	2.5	3.9	35	0.1	0.7	0.1	73	0.47	0.03	22	37	0.63	284

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1675198	0.002	2	1.03	0.003	0.1	0.05	0.1	3.3	0.1	0.025	3	0.25	0.2
1675199	0.087	2	1.58	0.022	0.06	0.1	0.04	4.2	0.05	0.025	5	0.25	0.1
1675200	0.088	2	1.43	0.026	0.06	0.1	0.05	4.7	0.05	0.025	4	0.25	0.1
1675201	0.064	0.5	1.95	0.009	0.05	0.05	0.02	2.9	0.1	0.025	7	0.25	0.1
1675202	0.075	1	1.24	0.018	0.06	0.1	0.13	4.7	0.05	0.025	4	0.8	0.1
1675203	0.101	2	1.37	0.035	0.06	0.1	0.05	4.7	0.05	0.025	4	0.25	0.1
1675204	0.093	2	1.25	0.031	0.06	0.1	0.08	4.7	0.05	0.025	4	1	0.1
1675205	0.092	3	1.24	0.036	0.05	0.2	0.02	4.3	0.05	0.025	4	0.25	0.1
1675206	0.091	2	1.31	0.038	0.05	0.2	0.03	4.2	0.05	0.025	4	0.25	0.1
1675207	0.084	2	1.44	0.034	0.06	0.1	0.02	3.8	0.05	0.025	4	0.25	0.1
1675208	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1675209	0.086	2	1.52	0.032	0.05	0.1	0.09	4.9	0.05	0.025	4	0.25	0.1
1675210	0.099	2	1.42	0.034	0.05	0.1	0.06	4.9	0.05	0.025	5	0.5	0.1
1675211	0.111	4	1.38	0.05	0.07	0.2	0.02	4.8	0.05	0.025	4	0.25	0.1
1675212	0.081	2	1.46	0.022	0.05	0.2	0.04	3.8	0.05	0.025	4	0.25	0.1
1675213	0.093	2	1.26	0.035	0.08	0.2	0.12	4.5	0.05	0.025	4	0.25	0.1
1675214	0.083	1	1.72	0.026	0.07	0.1	0.08	5.1	0.1	0.025	5	0.25	0.1
1675215	0.064	2	1.27	0.022	0.13	0.1	0.11	4.4	0.2	0.08	3	1.7	0.1
1675216	0.092	2	1.95	0.022	0.05	0.05	0.005	5.4	0.05	0.025	5	0.25	0.1
1675217	0.087	1	2.01	0.025	0.09	0.1	0.02	6.2	0.1	0.025	6	0.25	0.1
1675218	0.107	1	2.04	0.023	0.08	0.1	0.01	6.9	0.1	0.025	6	0.25	0.1
1675219	0.044	1	1.7	0.014	0.11	0.1	0.01	3.3	0.3	0.025	6	0.25	0.1
1675220	0.067	0.5	2.01	0.023	0.04	0.05	0.01	3.3	0.1	0.025	6	0.25	0.1
1675221	0.056	2	2.5	0.02	0.11	0.05	0.03	7.4	0.2	0.025	7	0.25	0.1
1675222	0.079	1	1.73	0.018	0.07	0.05	0.02	4.2	0.1	0.025	6	0.25	0.1
1675223	0.067	0.5	1.38	0.015	0.09	0.05	0.005	3	0.05	0.025	5	0.25	0.1
1675224	0.076	1	1.58	0.014	0.06	0.1	0.01	3.9	0.1	0.025	5	0.25	0.1
1675225	0.077	1	1.66	0.015	0.06	0.05	0.01	4.2	0.05	0.025	5	0.25	0.1
1675226	0.057	1	1.81	0.014	0.08	0.05	0.02	4.2	0.05	0.025	5	0.25	0.1
1675227	0.07	1	2.29	0.015	0.06	0.05	0.01	3.6	0.1	0.025	7	0.25	0.1
1675228	0.085	1	2.24	0.019	0.09	0.05	0.01	3.2	0.1	0.025	8	0.25	0.1
1675229	0.07	1	2.27	0.015	0.08	0.1	0.02	4.9	0.1	0.025	6	0.25	0.1
1675230	0.1	2	1.87	0.019	0.09	0.1	0.02	6.3	0.05	0.025	6	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1675231	WEL	Brendan Cooper	8/3/2018	07N	557199	6927401	-139.8906556	62.47331681	978	Auger
1675232	WEL	Brendan Cooper	8/3/2018	07N	557235	6927365	-139.8899695	62.47298819	982	Mattock
1675233	WEL	Brendan Cooper	8/3/2018	07N	557270	6927329	-139.8893029	62.47265972	956	Mattock
1675234	WEL	Brendan Cooper	8/3/2018	07N	557304	6927293	-139.8886556	62.47233139	940	Mattock
1675235	WEL	Brendan Cooper	8/3/2018	07N	557339	6927258	-139.8879887	62.47201189	930	Auger
1675236	WEL	Brendan Cooper	8/3/2018	07N	557374	6927222	-139.8873221	62.47168341	906	Mattock
1675237	WEL	Brendan Cooper	8/3/2018	07N	557409	6927186	-139.8866555	62.47135492	878	Mattock
1675238	WEL	Brendan Cooper	8/3/2018	07N	557445	6927151	-139.8859692	62.47103525	866	Mattock
1675239	WEL	Brendan Cooper	8/3/2018	07N	557479	6927115	-139.885322	62.47070692	795	Mattock
1675240	WEL	Brendan Cooper	8/3/2018	07N	557514	6927078	-139.8846558	62.47036945	789	Auger
1675241	WEL	Brendan Cooper	8/3/2018	07N	557549	6927044	-139.8839886	62.4700589	818	Auger
1675242	WEL	Brendan Cooper	8/3/2018	07N	557585	6927008	-139.8833027	62.46973024	790	Auger
1675243	WEL	Brendan Cooper	8/3/2018	07N	557619	6926973	-139.8826552	62.46941087	775	Auger
1675244	WEL	Brendan Cooper	8/3/2018	07N	557655	6926937	-139.8819694	62.4690822	773	Auger
1675245	WEL	Brendan Cooper	8/3/2018	07N	557689	6926901	-139.8813223	62.46875385	775	Auger
1675246	WEL	Brendan Cooper	8/3/2018	07N	557725	6926864	-139.8806368	62.46841621	786	Auger
1675247	WEL	Brendan Cooper	8/3/2018	07N	557759	6926829	-139.8799894	62.46809682	758	Auger
1675248	WEL	Brendan Cooper	8/3/2018	07N	557795	6926793	-139.8793036	62.46776814	753	Auger
1675249	WEL	Brendan Cooper	8/3/2018	07N	557828	6926757	-139.8786759	62.46743993	746	Auger
1675250	WEL	Brendan Cooper	8/3/2018	07N	557828	6926757	-139.8786759	62.46743993	746	
1679501	WEL	Brendan Cooper	8/3/2018	07N	557865	6926720	-139.8779711	62.46710212	754	Auger
1679502	WEL	Brendan Cooper	8/3/2018	07N	557899	6926686	-139.8773234	62.46679169	748	Auger
1679503	WEL	Brendan Cooper	8/3/2018	07N	557934	6926651	-139.8766567	62.46647213	739	Auger
1679504	WEL	Brendan Cooper	8/3/2018	07N	557970	6926614	-139.8759713	62.46613447	709	Auger
1679505	WEL	Brendan Cooper	8/3/2018	07N	558004	6926579	-139.875324	62.46581506	740	Auger
1679506	WEL	Brendan Cooper	8/3/2018	07N	558040	6926544	-139.874638	62.46549534	764	Auger
1679507	WEL	Brendan Cooper	8/3/2018	07N	558075	6926508	-139.8739717	62.46516679	704	Auger
1679331	WEL	Cody Reeves	8/3/2018	07N	557169	6927719	-139.8911314	62.47617525	1060	Auger
1679332	WEL	Cody Reeves	8/3/2018	07N	557202	6927684	-139.8905031	62.47585607	1060	Auger
1679333	WEL	Cody Reeves	8/3/2018	07N	557238	6927647	-139.8898174	62.47551847	1066	Auger
1679334	WEL	Cody Reeves	8/3/2018	07N	557274	6927610	-139.8891316	62.47518087	1035	Auger
1679335	WEL	Cody Reeves	8/3/2018	07N	557309	6927577	-139.8884639	62.47487932	1037	Auger
1679336	WEL	Cody Reeves	8/3/2018	07N	557341	6927542	-139.8878551	62.47456027	1006	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1675231	70	B	Pronounced Slo	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Silt
1675232	40	B	Pronounced Slo	Chocolate Brow	Dwarf Birch	Grass Cover	Dry	Good	Silt
1675233	30	B	Steep	Light Brown	Poplar	Burnt Moss	Dry	Good	Silt
1675234	60	B	Steep	Light Brown	Dwarf Birch	Grass Cover	Dry	Good	Silt
1675235	50	C	Steep	Chocolate Brow	Poplar	Grass Cover	Dry	Good	Silt
1675236	30	B	Steep	Light Brown	Poplar	Leaf Cover	Dry	Poor	Silt
1675237	40	B	Pronounced Slo	Chocolate Brow	No Tree Cover	Grass Cover	Dry	Poor	Silt
1675238	40	B	Subtle Slope	Chocolate Brow	Poplar	Burnt Moss	Dry	Poor	Clay
1675239	40	B	Steep	Light Brown	Alders	Grass Cover	Dry	Poor	Clay
1675240	50	B	Subtle Slope	Dark Brown	Alders	Leaf Cover	Damp	Poor	Clay
1675241	90	C	Subtle Slope	Grey	Alders	Leaf Cover	Damp	Good	Clay
1675242	70	C	Subtle Slope	Dark Brown	Alders	Leaf Cover	Damp	Poor	Clay
1675243	60	B	Subtle Slope	Dark Brown	Dwarf Birch	Grass Cover	Damp	Good	Silt
1675244	80	B	Subtle Slope	Dark Brown	Dwarf Birch	Grass Cover	Damp	Good	Clay
1675245	70	B	Subtle Slope	Dark Brown	Alders	Leaf Cover	Damp	Good	Silt
1675246	60	B	Subtle Slope	Dark Brown	Birch Forest	Grass Cover	Damp	Good	Clay
1675247	80	C	Subtle Slope	Grey	Dwarf Birch	Grass Cover	Damp	Good	Clay
1675248	80	B	Subtle Slope	Dark Brown	Old Burn	Grass Cover	Damp	Good	Silt
1675249	60	B	Flat	Dark Brown	White Spruce	Grass Cover	Damp	Good	Clay
1675250									
1679501	70	B	Flat	Dark Brown	Alders	Leaf Cover	Damp	Poor	Silt
1679502	70	C	Subtle Slope	Dark Brown	Alders	Leaf Cover	Damp	Good	Clay
1679503	80	B	Flat	Dark Grey Black	White Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1679504	70	B	Flat	Dark Brown	White Spruce	Grass Cover	Damp	Good	Silt
1679505	70	B	Flat	Grey	White Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1679506	60	B	Flat	Dark Brown	Mixed Coniferous	Sphagnum Moss < 30cm	Damp	Poor	Clay
1679507	50	B	Flat	Dark Brown	White Spruce	Sphagnum Moss < 30cm	Damp	Poor	Clay
1679331	50	C	Pronounced Slo	Chocolate Brow	Poplar	Burnt Moss	Damp	Good	Clay
1679332	40	C	Subtle Slope	Chocolate Brow	Alders	Leaf Cover	Dry	Good	Sand
1679333	50	C	Pronounced Slo	Chocolate Brow	Mixed Coniferous	Grass Cover	Dry	Good	Sand
1679334	50	C	Subtle Slope	Chocolate Brow	Poplar	Grass Cover	Dry	Good	Sand
1679335	60	C	Subtle Slope	Chocolate Brow	Poplar	Grass Cover	Dry	Good	Sand
1679336	40	C	Subtle Slope	Reddish Yellow	Poplar	Grass Cover	Dry	Good	Sand

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1675231	Clay,Coarse,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675232	Clay,Coarse,Sandy,Talus			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675233	Clay,Coarse,Rocky Sample,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675234	Clay,Coarse,Rocky Sample,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675235	Clay,Coarse,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675236	Clay,Coarse,Rocky Sample,Sandy,Talus			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675237	Clay,Coarse,Rocky Sample,Rocky Terrain,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675238	Clay,Coarse,Rocky Sample,Rocky Terrain,Sandy,Talus			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675239	Clay,Coarse,Rocky Sample,Rocky Terrain,Sandy,Talus			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675240	Clay,Coarse,Possible Creek Contamination,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675241	Clay,Coarse,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675242	Clay,Coarse,Organic 10%,Rocky Sample,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675243	Clay,Coarse,Rusty Rock Chip,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675244	Clay,Coarse,Rusty Rock Chip,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675245	Clay,Coarse,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675246	Clay,Coarse,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675247	Clay,Coarse			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675248	Clay,Coarse,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675249	Clay,Coarse,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675250				'00116206	1675249	Soil	WEL-20180809-0	White Gold Co	WHI18000712
1679501	Clay,Coarse,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1679502	Clay,Coarse,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1679503	Clay,Coarse,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1679504	Clay,Coarse,Sandy			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1679505	Clay			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1679506	Clay,Coarse			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1679507	Clay,Coarse			'00116206		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1679331	Fine,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1679332	Fine,Rocky Terrain,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1679333	Dull Red Rust,Fine,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1679334	Clay,Fine,Rocky Terrain			'00116210		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1679335	Dull Red Rust,Fine,Rocky Terrain			'00116210		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1679336	Fine,Rocky Terrain,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold Co	WHI18000712

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1675231	9/2/2018	8/22/2018	1.1	25.8	9.6	59	0.1	18.7	11.4	813	2.93	7.1	0.7
1675232	9/2/2018	8/22/2018	0.7	24.2	10.9	62	0.1	20.7	9.7	498	3.06	18.6	0.7
1675233	9/2/2018	8/22/2018	0.9	23.8	8.4	55	0.1	24.2	10.1	232	3.12	22.4	0.6
1675234	9/2/2018	8/22/2018	0.7	25.6	7	46	0.1	25.9	11	411	2.72	11.4	0.6
1675235	9/2/2018	8/22/2018	0.8	40.3	15.8	63	0.1	30.6	14.9	597	3.44	13.6	0.7
1675236	9/2/2018	8/22/2018	1	52.8	10.4	65	0.2	35.2	15	449	3.53	10.2	0.6
1675237	9/2/2018	8/22/2018	0.7	33.6	9.4	58	0.05	31.3	12.8	332	3.17	8.5	0.7
1675238	9/2/2018	8/22/2018	1.6	37.3	14.7	82	0.05	36.3	18.1	991	3.66	11.9	0.6
1675239	9/2/2018	8/22/2018	1	82	12.2	89	0.2	35.4	16.3	1537	3.12	8.8	0.6
1675240	9/2/2018	8/22/2018	1.1	68.6	8.7	54	0.3	22.8	8	721	1.99	11.5	1.5
1675241	9/2/2018	8/22/2018	0.5	51.1	6.6	68	0.05	30.8	14.2	478	3.26	8.4	0.6
1675242	9/2/2018	8/22/2018	1.6	44.1	8.4	54	0.1	26.6	10.1	634	2.22	9.5	0.8
1675243	9/2/2018	8/22/2018	1.4	55	9.1	82	0.4	34.6	12.1	454	2.9	15.5	0.9
1675244	9/2/2018	8/22/2018	0.6	40.4	6.5	59	0.05	29.9	13.3	436	2.7	8.5	0.9
1675245	9/2/2018	8/22/2018	0.5	37.7	5.7	56	0.05	28	12.7	502	2.68	8	0.7
1675246	9/2/2018	8/22/2018	0.4	45.1	6.1	54	0.05	30	13.2	523	2.98	9.7	0.4
1675247	9/2/2018	8/22/2018	0.5	40.4	5.6	53	0.05	30.7	12.9	509	2.7	7.7	0.5
1675248	9/2/2018	8/22/2018	0.9	46.2	6.5	65	0.1	30.4	16.7	839	3.09	9.6	1.8
1675249	9/2/2018	8/22/2018	0.6	48.2	6.6	62	0.05	29.7	12.3	328	2.8	8.6	0.8
1675250	9/2/2018	8/22/2018	0.6	47.7	6.8	62	0.05	31.1	14.4	346	3.05	8	0.7
1679501	9/2/2018	8/22/2018	0.8	31.8	5.8	58	0.05	25.8	13	838	2.54	8.1	0.6
1679502	9/2/2018	8/22/2018	0.4	38.2	5.9	59	0.05	26.6	12.7	387	2.71	9.5	0.7
1679503	9/2/2018	8/22/2018	0.4	31.3	5.4	55	0.05	24.5	11.1	236	2.33	8.1	0.5
1679504	9/2/2018	8/22/2018	0.6	29.7	5.1	54	0.05	23	10.3	441	2.31	8	0.5
1679505	9/2/2018	8/22/2018	0.5	30.6	5.8	60	0.05	26.1	12.9	482	2.64	7.4	0.6
1679506	9/2/2018	8/22/2018	0.5	34.5	5.5	52	0.05	25.4	10.1	288	2.52	6.9	0.6
1679507	9/2/2018	8/22/2018	0.7	32.6	7	67	0.05	25.2	10	351	2.92	9.6	0.7
1679331	9/2/2018	8/22/2018	0.9	25	7	50	0.05	29.6	11.9	286	2.99	7.6	0.4
1679332	9/2/2018	8/22/2018	1.2	24.3	8.1	57	0.1	25.1	14.9	857	2.86	10.1	0.5
1679333	9/2/2018	8/22/2018	0.8	17.2	7.7	44	0.05	18.3	7	347	2.41	5.9	0.4
1679334	9/2/2018	8/22/2018	0.8	19.5	9.2	55	0.05	22.6	9.1	382	2.89	8.3	0.6
1679335	9/2/2018	8/22/2018	0.8	14.9	7.3	22	0.05	6.4	3.7	148	1.21	3	0.4
1679336	9/2/2018	8/22/2018	1.3	18.3	7.8	43	0.1	17.6	8.7	1108	2.57	6.6	0.4

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1675231	0.8	2.9	37	0.2	0.6	0.2	63	0.57	0.043	25	30	0.51	350
1675232	2.8	4.1	32	0.05	1	0.2	55	0.5	0.034	22	30	0.57	374
1675233	1.1	2.7	44	0.1	1.8	0.1	81	0.31	0.062	12	37	0.62	214
1675234	4.9	2.7	38	0.1	1.1	0.2	72	0.48	0.051	10	36	0.57	342
1675235	3.7	3.1	39	0.1	0.9	0.2	79	0.47	0.032	13	44	0.72	770
1675236	1.4	3	33	0.1	0.8	0.2	83	0.29	0.023	9	47	0.66	1299
1675237	0.25	2.7	31	0.1	0.6	0.2	72	0.39	0.031	13	41	0.63	784
1675238	0.25	2.6	32	0.1	0.8	0.2	91	0.4	0.043	12	45	0.61	475
1675239	1.7	2.3	57	0.3	0.8	0.2	64	0.86	0.037	12	33	0.53	596
1675240	8.9	0.9	98	0.2	1.5	0.2	50	1.45	0.094	32	26	0.42	1137
1675241	4.3	2.2	54	0.2	0.6	0.2	81	1.14	0.077	13	36	0.76	214
1675242	7.1	1.6	51	0.2	0.9	0.1	51	0.64	0.07	11	30	0.46	581
1675243	6.6	2.4	45	0.7	1	0.2	68	0.64	0.073	15	37	0.63	337
1675244	6.2	2.3	48	0.3	0.7	0.1	69	0.97	0.063	13	34	0.66	238
1675245	1.7	2.4	51	0.2	0.5	0.1	74	0.91	0.062	12	34	0.63	196
1675246	4.6	2.5	50	0.1	0.5	0.1	88	0.97	0.063	13	33	0.73	181
1675247	3.5	2.5	76	0.2	0.5	0.05	73	2.35	0.072	11	34	0.8	142
1675248	5.6	2.2	66	0.3	0.6	0.1	78	1.17	0.083	14	37	0.65	241
1675249	5.9	2.4	51	0.2	0.7	0.1	84	0.91	0.075	13	33	0.66	226
1675250	5.2	2.5	53	0.2	0.7	0.1	76	0.85	0.073	13	35	0.71	232
1679501	2.8	1.8	54	0.3	0.5	0.1	65	1.01	0.075	11	31	0.62	187
1679502	2.3	2.2	47	0.2	0.5	0.05	75	0.86	0.07	12	35	0.61	175
1679503	5.4	2	43	0.1	0.5	0.05	76	0.84	0.059	11	33	0.58	147
1679504	2.3	1.6	45	0.3	0.5	0.05	65	1.01	0.065	10	30	0.55	157
1679505	3.8	2.1	48	0.1	0.5	0.1	72	0.81	0.072	11	33	0.63	173
1679506	4	2.1	47	0.1	0.4	0.1	67	0.81	0.068	11	32	0.57	143
1679507	4.6	2.1	53	0.1	0.4	0.1	68	0.96	0.071	11	38	0.73	155
1679331	2.3	2.1	27	0.2	0.5	0.1	96	0.38	0.048	9	37	0.65	211
1679332	0.25	2.3	20	0.2	0.7	0.1	75	0.29	0.046	8	37	0.52	216
1679333	0.7	1.3	25	0.2	0.3	0.1	70	0.45	0.039	7	29	0.45	250
1679334	0.7	2.5	30	0.1	0.4	0.1	83	0.44	0.056	13	34	0.66	255
1679335	1.6	1.1	18	0.1	0.2	0.1	37	0.23	0.028	14	14	0.2	166
1679336	1.3	1.5	22	0.2	0.4	0.1	71	0.27	0.032	13	25	0.44	227

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1675231	0.067	2	1.84	0.022	0.08	0.1	0.03	5.2	0.1	0.025	5	0.25	0.1
1675232	0.077	2	1.73	0.023	0.11	0.1	0.01	5.8	0.1	0.025	5	0.25	0.1
1675233	0.093	1	2.08	0.019	0.09	0.05	0.01	4.4	0.3	0.025	6	0.25	0.1
1675234	0.096	2	1.62	0.033	0.07	0.1	0.03	5.2	0.1	0.025	5	0.25	0.1
1675235	0.099	1	2.02	0.024	0.1	0.05	0.02	7.8	0.05	0.025	6	0.25	0.1
1675236	0.092	1	2.11	0.017	0.09	0.05	0.02	6.2	0.05	0.025	6	0.25	0.1
1675237	0.086	1	1.92	0.021	0.09	0.05	0.02	6.1	0.05	0.025	6	0.25	0.1
1675238	0.078	2	2.58	0.021	0.09	0.05	0.01	5.6	0.1	0.025	8	0.25	0.1
1675239	0.074	3	1.8	0.032	0.15	0.05	0.02	6.5	0.05	0.025	5	0.25	0.1
1675240	0.054	4	1.43	0.023	0.08	0.05	0.11	4.9	0.1	0.06	4	0.9	0.1
1675241	0.127	4	1.54	0.057	0.05	0.05	0.02	5.7	0.05	0.025	5	0.25	0.1
1675242	0.077	2	1.52	0.029	0.06	0.1	0.06	5.3	0.05	0.025	4	0.25	0.1
1675243	0.092	1	1.73	0.038	0.05	0.1	0.04	7.4	0.05	0.025	5	0.7	0.1
1675244	0.104	2	1.58	0.041	0.05	0.1	0.04	5.4	0.05	0.025	5	0.6	0.1
1675245	0.11	2	1.54	0.048	0.05	0.1	0.03	5.4	0.05	0.025	5	0.6	0.1
1675246	0.122	3	1.59	0.055	0.06	0.1	0.02	5.3	0.05	0.025	5	0.25	0.1
1675247	0.114	2	1.41	0.058	0.07	0.1	0.03	5	0.05	0.025	5	0.25	0.1
1675248	0.101	2	1.79	0.05	0.05	0.05	0.04	6.6	0.05	0.025	5	0.9	0.1
1675249	0.121	3	1.52	0.049	0.05	0.05	0.02	6	0.05	0.025	5	0.25	0.1
1675250	0.118	2	1.55	0.052	0.05	0.1	0.02	6.1	0.05	0.025	5	0.5	0.1
1679501	0.098	3	1.51	0.048	0.06	0.05	0.04	5.3	0.05	0.025	4	0.25	0.1
1679502	0.113	2	1.32	0.045	0.06	0.05	0.02	5.4	0.05	0.025	4	0.25	0.1
1679503	0.11	2	1.32	0.042	0.05	0.05	0.02	4.9	0.05	0.025	5	0.25	0.1
1679504	0.094	2	1.3	0.039	0.04	0.1	0.03	4.6	0.05	0.025	4	0.25	0.1
1679505	0.109	3	1.57	0.046	0.05	0.1	0.03	5.3	0.05	0.025	5	0.25	0.1
1679506	0.112	2	1.32	0.047	0.05	0.1	0.02	5.1	0.05	0.025	4	0.25	0.1
1679507	0.113	3	1.74	0.05	0.07	0.05	0.03	6.6	0.05	0.025	5	0.25	0.1
1679331	0.109	2	2.29	0.019	0.05	0.05	0.02	5	0.05	0.025	7	0.25	0.1
1679332	0.079	0.5	2.28	0.019	0.05	0.05	0.02	4.3	0.2	0.025	7	0.25	0.1
1679333	0.085	1	1.75	0.021	0.08	0.05	0.02	3.1	0.05	0.025	7	0.25	0.1
1679334	0.088	2	2.22	0.022	0.05	0.05	0.02	5.5	0.2	0.025	7	0.25	0.1
1679335	0.051	1	0.8	0.024	0.05	0.05	0.02	1.8	0.1	0.025	4	0.25	0.1
1679336	0.079	2	1.73	0.019	0.05	0.1	0.02	3.6	0.1	0.025	6	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1679337	WEL	Cody Reeves	8/3/2018	07N	557378	6927503	-139.8871507	62.47420456	1002	Auger
1679338	WEL	Cody Reeves	8/3/2018	07N	557414	6927468	-139.8864643	62.47388489	992	Auger
1679339	WEL	Cody Reeves	8/3/2018	07N	557448	6927430	-139.8858177	62.47353861	978	Auger
1679340	WEL	Cody Reeves	8/3/2018	07N	557480	6927400	-139.8852073	62.47326443	970	Auger
1679341	WEL	Cody Reeves	8/3/2018	07N	557517	6927360	-139.8845032	62.47289973	957	Auger
1679342	WEL	Cody Reeves	8/3/2018	07N	557551	6927327	-139.883855	62.4725983	940	Auger
1679343	WEL	Cody Reeves	8/3/2018	07N	557587	6927293	-139.8831684	62.4722876	925	Auger
1679344	WEL	Cody Reeves	8/3/2018	07N	557625	6927256	-139.882444	62.47194965	907	Auger
1679345	WEL	Cody Reeves	8/3/2018	07N	557658	6927219	-139.8818166	62.47161248	907	Auger
1679346	WEL	Cody Reeves	8/3/2018	07N	557691	6927182	-139.8811892	62.4712753	884	Auger
1679347	WEL	Cody Reeves	8/3/2018	07N	557726	6927148	-139.880522	62.47096474	866	Auger
1679348	WEL	Cody Reeves	8/3/2018	07N	557762	6927112	-139.8798361	62.47063607	855	Auger
1679349	WEL	Cody Reeves	8/3/2018	07N	557797	6927078	-139.8791689	62.47032549	818	Auger
1679350	WEL	Cody Reeves	8/3/2018	07N	557797	6927078	-139.879169	62.47032549	818	
1679351	WEL	Cody Reeves	8/3/2018	07N	557831	6927043	-139.8785215	62.4700061	806	Auger
1679352	WEL	Cody Reeves	8/3/2018	07N	557866	6927004	-139.8778561	62.46965065	779	Auger
1679353	WEL	Cody Reeves	8/3/2018	07N	557902	6926970	-139.8771696	62.46933991	761	Auger
1679354	WEL	Cody Reeves	8/3/2018	07N	557940	6926933	-139.8764453	62.46900194	760	Auger
1679355	WEL	Cody Reeves	8/3/2018	07N	557971	6926897	-139.8758565	62.46867402	753	Auger
1679356	WEL	Cody Reeves	8/3/2018	07N	558004	6926866	-139.8752272	62.46839067	744	Auger
1679357	WEL	Cody Reeves	8/3/2018	07N	558046	6926823	-139.8744274	62.46799821	734	Auger
1679358	WEL	Cody Reeves	8/3/2018	07N	558077	6926791	-139.8738373	62.46770619	734	Auger
1679359	WEL	Cody Reeves	8/3/2018	07N	558113	6926755	-139.8731515	62.46737748	739	Auger
1679360	WEL	Cody Reeves	8/3/2018	07N	558152	6926720	-139.8724073	62.46705728	723	Auger
1679361	WEL	Cody Reeves	8/3/2018	07N	558181	6926683	-139.8718577	62.46672069	729	Auger
1679362	WEL	Cody Reeves	8/3/2018	07N	558217	6926646	-139.8711723	62.466383	724	Auger
1676943	WEL	Hans Bauermeiste	8/2/2018	07N	566433	6932179	-139.7097666	62.51465515	724	Auger
1676944	WEL	Hans Bauermeiste	8/2/2018	07N	566396	6932215	-139.7104711	62.51498484	764	Auger
1676945	WEL	Hans Bauermeiste	8/2/2018	07N	566356	6932242	-139.7112372	62.51523429	779	Auger
1676946	WEL	Hans Bauermeiste	8/2/2018	07N	566329	6932284	-139.7117452	62.51561602	801	Mattock
1676947	WEL	Hans Bauermeiste	8/2/2018	07N	566291	6932322	-139.7124683	62.51596382	827	Auger
1676948	WEL	Hans Bauermeiste	8/2/2018	07N	566260	6932354	-139.7130578	62.51625652	806	Auger
1676949	WEL	Hans Bauermeiste	8/2/2018	07N	566225	6932390	-139.7137235	62.51658583	776	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1679337	40	C	Subtle Slope	Reddish Yellow	Poplar	Grass Cover	Dry	Good	Sand
1679338	70	C	Subtle Slope	Chocolate Brow	Alders	Leaf Cover	Dry	Good	Sand
1679339	40	C	Subtle Slope	Reddish Orange	Alders	Grass Cover	Dry	Good	Sand
1679340	50	C	Subtle Slope	Reddish Yellow	Willows	Burnt Moss	Dry	Good	Sand
1679341	40	C	Pronounced Slo	Reddish Yellow	Poplar	Burnt Moss	Dry	Good	Sand
1679342	50	C	Pronounced Slo	Reddish Yellow	Willows	Burnt Moss	Dry	Good	Sand
1679343	40	C	Pronounced Slo	Reddish Yellow	Willows	Burnt Moss	Dry	Good	Sand
1679344	50	C	Subtle Slope	Reddish Yellow	Poplar	Burnt Moss	Damp	Good	Sand
1679345	50	C	Pronounced Slo	Reddish Yellow	Poplar	Burnt Moss	Dry	Good	Sand
1679346	60	C	Pronounced Slo	Reddish Yellow	Old Burn	Burnt Moss	Dry	Good	Sand
1679347	50	C	Pronounced Slo	Light Brown	Poplar	Grass Cover	Dry	Good	Sand
1679348	50	C	Steep	Reddish Brown	Old Burn	Grass Cover	Dry	Good	Sand
1679349	40	C	Steep	Chocolate Brow	No Tree Cover	Thin Moss Cover	Dry	Good	Sand
1679350									
1679351	50	C	Subtle Slope	Reddish Yellow	Poplar	Burnt Moss	Dry	Good	Sand
1679352	50	C	Pronounced Slo	Chocolate Brow	Poplar	Burnt Moss	Damp	Good	Clay
1679353	40	C	Subtle Slope	Reddish Brown	Willows	Burnt Moss	Damp	Good	Clay
1679354	50	B	Flat	Dark Brown	Mixed Coniferous	Sphagnum Moss < 30cm	Damp	Good	Clay
1679355	70	C	Flat	Grey	Alders	Sphagnum Moss < 30cm	Damp	Good	Clay
1679356	50	C	Flat	Grey	Willows	Thin Moss Cover	Damp	Good	Clay
1679357	70	C	Flat	Chocolate Brow	Black Spruce	Thin Moss Cover	Damp	Good	Clay
1679358	50	C	Flat	Chocolate Brow	Black Spruce	Thin Moss Cover	Damp	Good	Clay
1679359	60	C	Flat	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Clay
1679360	50	C	Flat	Chocolate Brow	Poplar	Grass Cover	Damp	Good	Sand
1679361	50	C	Flat	Chocolate Brow	Poplar	Burnt Moss	Damp	Good	Sand
1679362	70	C	Flat	Reddish Brown	Black Spruce	Grass Cover	Damp	Good	Clay
1676943	70	B	Subtle Slope	Dark Grey Black	Dwarf Birch	Leaf Cover	Damp	Good	Clay
1676944	70	B	Pronounced Slo	Dark Grey Black	White Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1676945	70	B	Subtle Slope	Dark Brown	White Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1676946	40	B	Subtle Slope	Light Brown	White Spruce	Sphagnum Moss < 30cm	Dry	Excellent	Clay
1676947	50	B	Subtle Slope	Light Brown	Dwarf Birch	Sphagnum Moss < 30cm	Dry	Good	Clay
1676948	60	B	Subtle Slope	Reddish Brown	White Spruce	Sphagnum Moss < 30cm	Dry	Poor	Silt
1676949	50	B	Subtle Slope	Light Brown	Dwarf Birch	Thin Moss Cover	Dry	Poor	Clay

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1679337	Clay,Fine,Rocky Terrain,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679338	Clay,Fine,Rocky Terrain,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679339	Bright Orange Rust,Clay,Rocky Terrain,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679340	Bright Orange Rust,Fine,Rocky Terrain,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679341	Bright Orange Rust,Fine,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679342	Bright Orange Rust,Fine,Rocky Terrain,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679343	Bright Orange Rust,Fine,Rocky Terrain,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679344	Bright Orange Rust,Fine,Rocky Terrain,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679345	Clay,Fine,Rocky Terrain,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679346	Bright Orange Rust,Fine,Rocky Terrain,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679347	Fine,Rocky Terrain			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679348	Fine,Rocky Sample,Rocky Terrain,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679349	Bright Orange Rust,Fine,Talus			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679350				'00116210	1679349	Soil	WEL-20180809-0	White Gold C	WHI18000712
1679351	Bright Orange Rust,Fine,Rocky Terrain,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679352	Bright Orange Rust,Fine,Rocky Terrain,Rusty Rock Chip			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679353	Fine,Rusty Rock Chip,Sandy			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679354	Fine,Partially Frozen			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679355	Fine,Partially Frozen			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679356	Fine,Partially Frozen			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679357	Fine,Partially Frozen			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679358	Fine,Mud,Sandy			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679359	Fine,Mud			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679360	Bright Orange Rust,Clay,Fine			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679361	Clay,Fine			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679362	Bright Orange Rust,Fine,Mud			'00116210		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676943	Sandy			'00116201		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676944	Sandy			'00116201		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676945	Bright Orange Rust,Sandy			'00116201		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676946	Rocky Sample,Sandy			'00116201		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676947	Sandy			'00116201		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676948	Clay			'00116201		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676949	Sandy			'00116201		Soil	WEL-20180809-0	White Gold C	WHI18000712

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1679337	9/2/2018	8/22/2018	0.5	23.4	10.5	59	0.05	23.6	9.2	390	3.18	10.4	0.5
1679338	9/2/2018	8/22/2018	0.9	18.9	6.5	42	0.5	17.5	8.7	729	1.98	9.7	0.6
1679339	9/2/2018	8/22/2018	0.9	17.4	7.1	56	0.2	19.9	8.5	289	2.6	10.1	0.3
1679340	9/2/2018	8/22/2018	1.2	27.4	10.5	71	0.1	26.8	8.5	352	3.54	9.2	0.3
1679341	9/2/2018	8/22/2018	1.2	29.4	10.3	59	0.1	30.3	12.9	305	3.62	9.3	0.4
1679342	9/2/2018	8/22/2018	0.8	39.5	8	56	0.05	29.5	14.4	437	3.67	9.4	0.5
1679343	9/2/2018	8/22/2018	0.9	40.6	9	53	0.05	33.2	14.9	549	2.99	9.4	0.5
1679344	9/2/2018	8/22/2018	1	28	8.3	50	0.05	30.6	15.8	472	3.56	8.8	0.5
1679345	9/2/2018	8/22/2018	1.1	29.8	9.1	54	0.05	27.6	15.9	535	3.15	7.2	0.4
1679346	9/2/2018	8/22/2018	1.6	29.4	9.5	65	0.2	34.5	14.1	742	3.29	9	0.5
1679347	9/2/2018	8/22/2018	2.9	22.4	10.6	114	0.4	29.6	15.7	493	3.36	46.9	0.8
1679348	9/2/2018	8/22/2018	1.3	54.8	8.7	117	0.2	39.1	27.7	822	4.25	33.7	0.5
1679349	9/2/2018	8/22/2018	1.1	90.1	20	118	0.4	47.8	27.7	935	5.29	36.7	0.8
1679350	9/2/2018	8/22/2018	1.5	85.3	19.5	128	0.4	46.5	32.6	867	5.27	35.1	0.8
1679351	9/2/2018	8/22/2018	0.7	44	8.2	63	0.05	32.1	14.5	416	3.61	10.5	0.5
1679352	9/2/2018	8/22/2018	0.6	35.3	7.6	52	0.1	30.6	13	372	3.15	30.4	0.5
1679353	9/2/2018	8/22/2018	1.5	33.8	10.4	59	0.2	41.7	18.2	1069	3.64	30.8	0.6
1679354	9/2/2018	8/22/2018	0.7	40.5	5.3	40	0.1	25.9	12	564	2.12	23.6	3.3
1679355	9/2/2018	8/22/2018	0.8	32.6	6.1	57	0.05	27.1	13.9	378	2.79	11.7	1.3
1679356	9/2/2018	8/22/2018	0.5	27.5	4.9	49	0.05	23	9.9	237	2.23	5.3	0.6
1679357	9/2/2018	8/22/2018	0.5	31.1	5.1	58	0.05	26.1	10.9	333	2.85	4.9	0.6
1679358	9/2/2018	8/22/2018	0.4	28.9	4.9	51	0.05	23.8	8.6	254	2.07	3.9	0.6
1679359	9/2/2018	8/22/2018	0.9	26.8	5.4	55	0.05	28.5	10.6	374	2.7	6.1	0.8
1679360	9/2/2018	8/22/2018	0.4	28	5	49	0.05	23.2	11.8	245	2.49	5.9	0.6
1679361	9/2/2018	8/22/2018	0.4	25.8	4.7	51	0.05	24.7	10.6	351	2.65	5.5	0.5
1679362	9/2/2018	8/22/2018	0.4	23.3	4.9	50	0.05	20.5	10.1	284	2.69	5.8	0.5
1676943	9/2/2018	8/22/2018	0.6	52.6	9.8	59	0.1	28	10.9	492	2.26	7.1	1.1
1676944	9/2/2018	8/22/2018	0.8	49.1	9.8	48	0.05	30	12.1	1311	1.75	5	0.9
1676945	9/2/2018	8/22/2018	0.5	51	8.9	66	0.05	32.3	12.6	641	2.56	5.1	0.9
1676946	9/2/2018	8/22/2018	1.1	49.6	9.7	75	0.2	38.3	12.5	580	3.23	7.4	0.5
1676947	9/2/2018	8/22/2018	1.4	66.7	10.9	94	0.2	45.8	13.3	845	3.04	8.6	0.5
1676948	9/2/2018	8/22/2018	1.5	33.4	9.9	71	0.3	30.5	13	533	3.57	11.5	0.8
1676949	9/2/2018	8/22/2018	1.6	88.8	10.1	59	0.2	35.3	10.4	339	2.83	34.7	0.6

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1679337	1.3	2.6	28	0.2	0.4	0.1	76	0.47	0.037	13	36	0.69	354
1679338	0.25	1.3	22	0.2	0.4	0.1	56	0.27	0.043	8	24	0.34	208
1679339	2.7	1.3	25	0.3	0.5	0.1	66	0.26	0.029	7	28	0.45	207
1679340	2.8	1.2	20	0.1	0.7	0.2	88	0.26	0.049	6	33	0.6	463
1679341	4	1.9	27	0.05	0.7	0.2	89	0.24	0.017	7	47	0.66	809
1679342	3.2	2.7	40	0.05	0.6	0.1	91	0.44	0.022	9	48	0.75	1260
1679343	2.3	2.2	30	0.05	0.8	0.1	80	0.29	0.015	8	43	0.61	1052
1679344	2.6	2.7	34	0.05	0.7	0.1	88	0.39	0.02	9	53	0.68	560
1679345	2.2	2.2	32	0.05	0.5	0.1	69	0.39	0.021	8	38	0.63	287
1679346	1.3	2.5	35	0.2	0.6	0.2	77	0.53	0.039	10	41	0.57	381
1679347	1.2	2.7	38	0.7	1	0.3	70	0.52	0.066	9	41	0.65	286
1679348	3.1	1.8	37	0.4	0.5	0.4	98	0.68	0.05	8	50	0.68	179
1679349	5.8	2.3	34	0.4	0.6	0.2	133	0.67	0.05	11	56	0.9	216
1679350	19.1	2.5	36	0.3	0.8	0.2	126	0.65	0.042	11	60	0.9	228
1679351	5.6	3.1	47	0.1	0.4	0.1	87	0.82	0.041	10	54	0.75	219
1679352	7.6	2.1	35	0.1	0.5	0.1	83	0.75	0.034	10	34	0.71	160
1679353	4.8	2.5	35	0.1	0.6	0.1	96	0.65	0.02	11	53	0.66	336
1679354	7.8	0.9	75	0.3	0.8	0.1	56	2.04	0.067	8	29	0.56	297
1679355	3.7	2.3	51	0.05	0.6	0.1	81	1.05	0.081	12	35	0.66	240
1679356	5.7	1.7	41	0.2	0.4	0.05	70	0.86	0.072	9	30	0.71	170
1679357	1.5	1.9	51	0.05	0.4	0.05	75	0.93	0.082	11	32	0.7	230
1679358	2	1.9	50	0.05	0.4	0.05	74	0.89	0.086	11	30	0.65	242
1679359	0.8	2	41	0.1	0.4	0.05	82	0.78	0.081	11	37	0.69	141
1679360	2.1	2.2	44	0.2	0.4	0.05	74	0.74	0.064	11	35	0.66	193
1679361	2	2	40	0.05	0.3	0.05	83	0.76	0.091	10	33	0.63	120
1679362	3.9	2.1	54	0.05	0.4	0.1	65	0.9	0.053	9	30	0.57	142
1676943	3.1	2.7	57	0.2	0.5	0.3	52	1.18	0.057	20	35	0.59	508
1676944	5.4	1.6	64	0.3	0.4	0.3	33	1.95	0.069	17	27	0.53	869
1676945	4.5	2.6	51	0.2	0.4	0.2	58	1.03	0.076	15	34	0.62	756
1676946	4.6	3.7	35	0.1	0.7	0.2	65	0.31	0.039	15	34	0.56	839
1676947	4.5	3.5	29	0.2	1	0.2	60	0.17	0.034	15	30	0.4	880
1676948	2.2	3.5	24	0.1	0.8	0.2	86	0.22	0.022	12	55	0.69	555
1676949	4.8	3.4	28	0.05	3.2	0.4	68	0.28	0.029	16	35	0.5	639

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1679337	0.085	1	2.54	0.021	0.07	0.05	0.02	4.8	0.1	0.025	6	0.25	0.1
1679338	0.065	1	1.66	0.027	0.04	0.05	0.03	3.8	0.1	0.025	6	0.25	0.1
1679339	0.083	0.5	1.53	0.023	0.05	0.05	0.01	3.2	0.1	0.025	6	0.25	0.1
1679340	0.081	0.5	2.01	0.017	0.08	0.05	0.005	3.3	0.05	0.025	7	0.25	0.1
1679341	0.092	2	2.45	0.023	0.05	0.05	0.02	4.5	0.1	0.025	7	0.25	0.1
1679342	0.118	2	2.35	0.032	0.06	0.05	0.02	6	0.05	0.025	6	0.25	0.1
1679343	0.103	2	2.07	0.027	0.04	0.05	0.01	5.4	0.05	0.025	6	0.25	0.1
1679344	0.117	2	2.47	0.024	0.08	0.1	0.01	6.3	0.05	0.025	7	0.25	0.1
1679345	0.102	1	2.04	0.034	0.06	0.05	0.005	4.8	0.05	0.025	6	0.25	0.1
1679346	0.085	1	2.32	0.025	0.09	0.05	0.02	7.6	0.05	0.025	6	0.25	0.1
1679347	0.076	3	2.47	0.021	0.11	0.1	0.02	5.6	0.1	0.025	7	0.25	0.1
1679348	0.098	2	2.81	0.025	0.1	0.1	0.02	9	0.05	0.025	8	0.25	0.1
1679349	0.117	2	3.82	0.023	0.07	0.1	0.03	16.4	0.05	0.025	10	0.25	0.1
1679350	0.118	3	3.69	0.028	0.07	0.1	0.03	15.9	0.05	0.025	9	0.25	0.1
1679351	0.137	3	2.25	0.046	0.09	0.1	0.02	8.4	0.05	0.025	6	0.25	0.1
1679352	0.109	3	2.2	0.04	0.04	0.1	0.01	7.5	0.05	0.025	6	0.25	0.1
1679353	0.115	3	2.38	0.039	0.08	0.2	0.03	8.9	0.05	0.025	7	0.25	0.1
1679354	0.07	3	1.66	0.034	0.05	0.1	0.03	4.6	0.05	0.07	4	1.2	0.1
1679355	0.115	3	1.69	0.048	0.05	0.1	0.04	6.3	0.05	0.025	5	0.9	0.1
1679356	0.114	2	1.58	0.051	0.05	0.1	0.02	4.6	0.05	0.025	5	0.25	0.1
1679357	0.118	2	1.65	0.056	0.06	0.1	0.02	5.5	0.05	0.025	5	0.25	0.1
1679358	0.116	4	1.56	0.052	0.06	0.1	0.03	5	0.05	0.025	4	0.25	0.1
1679359	0.115	3	1.9	0.043	0.06	0.1	0.01	5.5	0.05	0.025	5	0.25	0.1
1679360	0.124	3	1.39	0.055	0.06	0.2	0.02	5.1	0.05	0.025	4	0.6	0.1
1679361	0.116	3	1.65	0.044	0.06	0.2	0.02	5	0.05	0.025	4	0.25	0.1
1679362	0.108	3	1.42	0.051	0.04	0.1	0.03	4.7	0.05	0.025	4	0.25	0.1
1676943	0.069	4	1.6	0.027	0.07	0.1	0.05	5.8	0.05	0.025	4	0.25	0.1
1676944	0.034	3	1.12	0.016	0.06	0.05	0.08	3.5	0.1	0.025	3	0.25	0.1
1676945	0.088	3	1.49	0.04	0.05	0.1	0.05	5.7	0.05	0.025	5	0.25	0.1
1676946	0.08	1	1.71	0.016	0.08	0.05	0.03	3.9	0.05	0.025	4	0.25	0.1
1676947	0.049	2	1.62	0.011	0.07	0.05	0.03	3.4	0.05	0.025	4	0.25	0.1
1676948	0.105	1	2.33	0.018	0.06	0.05	0.03	5.9	0.05	0.025	7	0.25	0.1
1676949	0.075	1	1.73	0.015	0.05	0.1	0.03	4.4	0.1	0.025	5	1	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1676950	WEL	Hans Bauermeiste	8/2/2018	07N	566225	6932390	-139.7137235	62.51658583	776	
1676951	WEL	Hans Bauermeiste	8/2/2018	07N	566189	6932425	-139.714409	62.51690634	793	Auger
1676952	WEL	Hans Bauermeiste	8/2/2018	07N	566155	6932461	-139.7150553	62.51723546	762	Mattock
1676953	WEL	Hans Bauermeiste	8/2/2018	07N	566120	6932497	-139.715721	62.51756476	754	Mattock
1676954	WEL	Hans Bauermeiste	8/2/2018	07N	566083	6932533	-139.7164255	62.51789442	709	Auger
1676955	WEL	Hans Bauermeiste	8/2/2018	07N	566049	6932570	-139.7170715	62.5182325	709	Auger
1676956	WEL	Hans Bauermeiste	8/2/2018	07N	566009	6932609	-139.7178331	62.51858961	699	Auger
1676957	WEL	Hans Bauermeiste	8/2/2018	07N	565977	6932642	-139.7184418	62.51889144	733	Auger
1676958	WEL	Hans Bauermeiste	8/2/2018	07N	565943	6932677	-139.7190886	62.51921157	748	Auger
1676959	WEL	Hans Bauermeiste	8/2/2018	07N	565909	6932714	-139.7197346	62.51954965	763	Auger
1676960	WEL	Hans Bauermeiste	8/2/2018	07N	565873	6932750	-139.7204198	62.5198791	747	Auger
1676961	WEL	Hans Bauermeiste	8/2/2018	07N	565838	6932784	-139.7210864	62.52019043	762	Auger
1676962	WEL	Hans Bauermeiste	8/2/2018	07N	565804	6932821	-139.7217324	62.5205285	702	Auger
1676963	WEL	Hans Bauermeiste	8/2/2018	07N	565763	6932855	-139.7225156	62.52084088	711	Auger
1676964	WEL	Hans Bauermeiste	8/2/2018	07N	565736	6932890	-139.7230265	62.52115975	728	Auger
1676965	WEL	Hans Bauermeiste	8/2/2018	07N	565698	6932927	-139.7237502	62.52149852	732	Auger
1676966	WEL	Hans Bauermeiste	8/2/2018	07N	565664	6932962	-139.7243971	62.52181863	741	Mattock
1676967	WEL	Hans Bauermeiste	8/2/2018	07N	565628	6932998	-139.7250824	62.52214806	763	Mattock
1676968	WEL	Hans Bauermeiste	8/2/2018	07N	565592	6933032	-139.7257685	62.52245954	770	Auger
1676969	WEL	Hans Bauermeiste	8/2/2018	07N	565558	6933070	-139.7264143	62.52280656	782	Auger
1676970	WEL	Hans Bauermeiste	8/2/2018	07N	565524	6933104	-139.7270616	62.52311768	793	Mattock
1676971	WEL	Hans Bauermeiste	8/2/2018	07N	565489	6933141	-139.7277272	62.5234559	811	Auger
1676972	WEL	Hans Bauermeiste	8/2/2018	07N	565455	6933174	-139.7283749	62.52375804	803	Auger
1676973	WEL	Hans Bauermeiste	8/2/2018	07N	565420	6933211	-139.7290405	62.52409625	798	Auger
1676974	WEL	Hans Bauermeiste	8/2/2018	07N	565383	6933246	-139.7297457	62.52441686	766	Auger
1676975	WEL	Hans Bauermeiste	8/2/2018	07N	565383	6933246	-139.7297457	62.52441686	766	
1676976	WEL	Hans Bauermeiste	8/3/2018	07N	557095	6927649	-139.8925897	62.47555845	1050	Auger
1676977	WEL	Hans Bauermeiste	8/3/2018	07N	557130	6927614	-139.8919226	62.47523896	1042	Auger
1676978	WEL	Hans Bauermeiste	8/3/2018	07N	557163	6927580	-139.891294	62.47492875	1035	Auger
1676979	WEL	Hans Bauermeiste	8/3/2018	07N	557198	6927544	-139.8906273	62.47460029	1031	Auger
1676980	WEL	Hans Bauermeiste	8/3/2018	07N	557236	6927506	-139.8899031	62.47425341	1017	Auger
1676981	WEL	Hans Bauermeiste	8/3/2018	07N	557269	6927472	-139.8892746	62.47394319	996	Auger
1676982	WEL	Hans Bauermeiste	8/3/2018	07N	557305	6927436	-139.8885885	62.47361456	991	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1676950									
1676951	50	B	Pronounced Slo	Light Brown	White Spruce	Sphagnum Moss < 30cm	Dry	Good	Clay
1676952	40	B	Pronounced Slo	Light Brown	Dwarf Birch	Leaf Cover	Dry	Good	Clay
1676953	50	B	Pronounced Slo	Light Brown	Birch Forest	Sphagnum Moss < 30cm	Dry	Good	Clay
1676954	80	B	Subtle Slope	Dark Grey Black	Dwarf Birch	Sphagnum Moss > 30cm	Damp	Good	Clay
1676955	60	B	Subtle Slope	Grey	White Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1676956	60	B	Flat	Dark Brown	Dwarf Birch	Grass Cover	Damp	Good	Clay
1676957	50	B	Subtle Slope	Grey	Dwarf Birch	Thin Moss Cover	Damp	Good	Clay
1676958	60	B	Pronounced Slo	Light Brown	Birch Forest	Thin Moss Cover	Dry	Good	Clay
1676959	40	B	Pronounced Slo	Light Brown	Birch Forest	Thin Moss Cover	Dry	Poor	Clay
1676960	70	B	Subtle Slope	Grey	Birch Forest	Sphagnum Moss < 30cm	Damp	Good	Clay
1676961	70	B	Pronounced Slo	Dark Brown	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1676962	70	B	Subtle Slope	Chocolate Brow	Black Spruce	Sphagnum Moss < 30cm	Wet	Good	Clay
1676963	60	B	Subtle Slope	Dark Brown	Birch Forest	Sphagnum Moss < 30cm	Damp	Good	Clay
1676964	70	B	Subtle Slope	Grey	Birch Forest	Grass Cover	Damp	Good	Clay
1676965	40	B	Pronounced Slo	Light Brown	Birch Forest	Burnt Moss	Dry	Good	Clay
1676966	40	B	Subtle Slope	Light Brown	Birch Forest	Burnt Moss	Dry	Good	Clay
1676967	50	B	Subtle Slope	Chocolate Brow	Alders	Burnt Moss	Dry	Good	Clay
1676968	50	B	Subtle Slope	Chocolate Brow	Alders	Thin Moss Cover	Dry	Good	Clay
1676969	70	B	Subtle Slope	Chocolate Brow	Birch Forest	Burnt Moss	Damp	Good	Clay
1676970	30	B	Subtle Slope	Light Brown	Alders	Burnt Moss	Dry	Poor	Clay
1676971	40	B	Subtle Slope	Light Brown	Birch Forest	Leaf Cover	Dry	Good	Clay
1676972	50	B	Subtle Slope	Light Brown	Old Burn	Grass Cover	Dry	Good	Clay
1676973	40	B	Subtle Slope	Chocolate Brow	Birch Forest	Thin Moss Cover	Dry	Poor	Clay
1676974	60	B	Subtle Slope	Light Brown	Birch Forest	Sphagnum Moss < 30cm	Damp	Good	Clay
1676975									
1676976	50	B	Flat	Reddish Yellow	Birch Forest	Thin Moss Cover	Dry	Good	Clay
1676977	50	B	Subtle Slope	Reddish Yellow	Birch Forest	Burnt Moss	Dry	Good	Clay
1676978	60	B	Subtle Slope	Light Brown	Birch Forest	Burnt Moss	Dry	Good	Clay
1676979	50	B	Subtle Slope	Chocolate Brow	Birch Forest	Burnt Moss	Dry	Good	Clay
1676980	50	B	Subtle Slope	Chocolate Brow	Birch Forest	Grass Cover	Dry	Good	Clay
1676981	50	B	Subtle Slope	Light Brown	Alders	Thin Moss Cover	Dry	Good	Clay
1676982	60	B	Subtle Slope	Chocolate Brow	Birch Forest	Burnt Moss	Dry	Good	Clay

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1676950				'00116201	1676949	Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676951	Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676952	Rocky Sample,Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676953	Rocky Sample,Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676954	Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676955	Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676956	Possible Creek Contamination,Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676957	Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676958	Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676959	Fine			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676960	Organic 10%,Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676961	Bright Orange Rust,Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676962	Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676963	Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676964	Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676965	Rocky Sample,Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676966	Clay,Rocky Sample,Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676967	Clay,Rocky Sample			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676968	Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676969	Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676970	Clay,Fine,Outcrop Nearby,Rocky Sample,Rocky Terrain,Sandy,Talus			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676971	Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676972	Rusty Rock Chip			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676973	Clay			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676974	Sandy			'00116201		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676975				'00116201	1676974	Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676976	Sandy			'00116209		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676977	Sandy			'00116209		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676978	Sandy			'00116209		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676979	Sandy			'00116209		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676980	Sandy			'00116209		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676981	Sandy			'00116209		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1676982	Sandy			'00116209		Soil	WEL-20180809-0	White Gold Co	WHI18000712

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1676950	9/2/2018	8/22/2018	1.4	61.3	9.1	59	0.2	32.8	10.6	369	2.84	18.3	0.5
1676951	9/2/2018	8/22/2018	1.2	38.6	9	60	0.2	32.7	11.9	270	3.25	15.1	0.5
1676952	9/2/2018	8/22/2018	1.8	66.9	12.3	99	0.6	56.4	13.7	348	3.12	22.5	0.7
1676953	9/2/2018	8/22/2018	1.5	76.6	12.9	112	0.3	59.8	13.9	241	3.32	21.3	0.7
1676954	9/2/2018	8/22/2018	0.8	54.1	9.2	90	0.9	45.4	11	651	2.74	7.9	1.2
1676955	9/2/2018	8/22/2018	0.4	44.7	7.2	65	0.05	28.2	12.6	364	2.55	6.5	0.6
1676956	9/2/2018	8/22/2018	1.5	44.1	8.8	72	0.3	28.5	11.4	1479	2.47	9.8	0.9
1676957	9/2/2018	8/22/2018	0.8	42.3	9.3	65	0.2	26.2	9.9	584	2.29	6.6	0.6
1676958	9/2/2018	8/22/2018	2.1	42.4	11.8	69	0.1	33.6	15	2323	2.91	8.3	0.6
1676959	9/2/2018	8/22/2018	1.6	16.6	11.1	63	0.3	17	7.2	417	2.36	6.1	0.3
1676960	9/2/2018	8/22/2018	4.5	77.3	14	81	0.6	30.6	10.8	550	2.45	15.8	1.6
1676961	9/2/2018	8/22/2018	0.5	37.3	11.9	70	0.2	25.2	10.5	476	2.28	6.1	0.7
1676962	9/2/2018	8/22/2018	0.7	42.1	15.9	73	0.2	24.1	26.7	3043	2.79	6	0.6
1676963	9/2/2018	8/22/2018	0.6	39.8	8.1	61	0.05	27.5	14	867	2.95	7.2	0.9
1676964	9/2/2018	8/22/2018	0.6	36.2	6	54	0.05	28.3	10.8	427	2.5	7.2	0.5
1676965	9/2/2018	8/22/2018	1.6	33	10.5	64	0.2	27.1	13.1	476	2.68	8.2	0.5
1676966	9/2/2018	8/22/2018	2.3	22.9	11	50	0.5	22.1	9.3	230	2.61	13.1	0.6
1676967	9/2/2018	8/22/2018	0.6	33	8.3	55	0.05	24.4	12.2	430	3.22	8.8	0.8
1676968	9/2/2018	8/22/2018	1.1	20.9	11.3	47	0.05	21.7	10.6	337	3	7.6	0.6
1676969	9/2/2018	8/22/2018	0.8	44.5	14.4	57	0.05	30.6	15.5	639	3.71	10.1	1.1
1676970	9/2/2018	8/22/2018	0.8	17.9	12.7	63	0.05	20.2	10.2	579	2.74	7.9	0.5
1676971	9/2/2018	8/22/2018	1.3	16.7	11.2	56	0.05	17.8	11.1	364	2.66	6.5	0.5
1676972	9/2/2018	8/22/2018	0.8	22.3	9	47	0.05	24	10.5	263	2.71	8	1.1
1676973	9/2/2018	8/22/2018	1	22.2	9.9	33	0.1	13.6	6.1	140	2.14	7	0.8
1676974	9/2/2018	8/22/2018	0.7	23.8	16.1	48	0.05	17.2	9.2	320	2.42	5.3	1.2
1676975	9/2/2018	8/22/2018	0.8	29.2	15.9	49	0.1	18.3	9.3	300	2.5	6	1.5
1676976	9/2/2018	8/22/2018	1.3	31.2	8.6	62	0.1	34.2	14.3	379	3.82	12.4	0.6
1676977	9/2/2018	8/22/2018	1.6	20.9	13.1	98	0.2	25.1	14.4	422	3.69	9.5	0.5
1676978	9/2/2018	8/22/2018	0.7	26.5	10.1	51	0.05	29.1	10.9	312	3.06	8	0.7
1676979	9/2/2018	8/22/2018	1	21.5	11.6	53	0.05	20.7	10.2	477	3.18	7.1	0.5
1676980	9/2/2018	8/22/2018	1.3	19.9	10.7	67	0.2	22.7	12.3	511	3.41	7.7	0.6
1676981	9/2/2018	8/22/2018	0.5	25.7	7.4	49	0.05	25.3	9.6	396	3.06	7.2	0.6
1676982	9/2/2018	8/22/2018	0.5	31.2	9.7	52	0.05	24.6	12.5	856	3.32	9.1	0.8

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1676950	4.9	3.2	26	0.05	1.8	0.2	73	0.26	0.024	12	38	0.53	551
1676951	4.4	3.3	21	0.1	2.2	0.2	80	0.21	0.024	10	42	0.6	485
1676952	8.2	4.5	25	0.1	5.2	0.3	61	0.16	0.033	19	29	0.31	1056
1676953	9.1	4.6	27	0.1	4.7	0.3	52	0.15	0.037	23	23	0.3	644
1676954	12.8	2.8	101	0.1	1.7	0.2	55	0.65	0.064	16	29	0.53	1309
1676955	8.4	2.7	59	0.2	0.4	0.1	70	0.78	0.082	13	33	0.75	589
1676956	6.4	2	47	0.3	1.1	0.2	55	0.55	0.067	14	28	0.52	591
1676957	6.9	2.9	54	0.5	0.6	0.1	54	0.8	0.069	13	27	0.6	654
1676958	1.9	3.2	33	0.4	0.7	0.2	71	0.27	0.023	15	34	0.59	1138
1676959	0.5	1.4	19	0.5	0.6	0.2	60	0.2	0.023	8	24	0.37	279
1676960	5.9	1.9	74	1.2	1	0.2	62	0.44	0.064	17	25	0.33	1257
1676961	5.7	2.3	59	0.1	0.5	0.2	60	0.54	0.053	13	36	0.59	446
1676962	6.7	2.6	36	0.1	0.7	0.2	66	0.29	0.052	15	29	0.63	500
1676963	12.1	2.9	46	0.2	0.6	0.2	71	0.64	0.073	14	34	0.63	467
1676964	1.8	3.2	58	0.2	0.5	0.1	65	1.64	0.097	13	32	0.84	329
1676965	1.8	2.3	38	0.3	0.8	0.2	64	0.42	0.045	11	31	0.52	537
1676966	2.1	2.6	59	0.2	1.6	0.2	67	0.5	0.058	14	31	0.51	679
1676967	2.1	4.3	43	0.1	0.5	0.1	69	0.64	0.058	21	36	0.76	309
1676968	2.3	4	33	0.1	0.4	0.2	75	0.5	0.037	15	34	0.67	181
1676969	5.3	7.1	46	0.05	0.7	0.2	78	0.68	0.059	44	38	0.88	218
1676970	1.6	3.3	37	0.1	0.5	0.2	65	0.58	0.047	15	32	0.66	237
1676971	0.8	2.2	25	0.2	0.5	0.2	63	0.28	0.048	13	28	0.35	168
1676972	1.8	3.6	36	0.05	0.4	0.1	71	0.44	0.059	17	37	0.71	190
1676973	1.9	1.7	26	0.1	0.4	0.2	47	0.27	0.025	16	23	0.3	164
1676974	1.5	4.9	37	0.2	0.4	0.2	60	0.49	0.056	34	30	0.56	193
1676975	3.3	4.4	40	0.2	0.4	0.2	56	0.5	0.052	35	30	0.57	210
1676976	3.2	3.1	22	0.3	0.8	0.2	88	0.26	0.034	11	46	0.63	212
1676977	3.8	2.5	18	0.7	0.7	0.2	92	0.19	0.029	7	41	0.61	170
1676978	4.9	5	29	0.1	0.6	0.1	77	0.39	0.044	36	44	0.68	258
1676979	2.6	3.2	27	0.05	0.5	0.2	70	0.35	0.029	15	33	0.61	254
1676980	1.1	2.7	32	0.1	0.5	0.2	82	0.47	0.029	16	37	0.61	329
1676981	3.4	3.2	36	0.05	0.4	0.1	72	0.56	0.05	15	37	0.68	253
1676982	3.6	3.9	40	0.1	0.6	0.1	70	0.63	0.041	27	34	0.66	331

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1676950	0.082	0.5	2	0.018	0.05	0.05	0.03	4.4	0.05	0.025	6	0.25	0.1
1676951	0.1	2	2.53	0.014	0.06	0.05	0.04	4	0.05	0.025	6	0.25	0.1
1676952	0.043	2	1.64	0.012	0.07	0.05	0.08	4	0.1	0.025	5	0.7	0.1
1676953	0.043	1	1.33	0.009	0.07	0.05	0.04	2.9	0.05	0.025	4	1.1	0.1
1676954	0.073	3	1.32	0.028	0.07	0.1	0.24	5.6	0.05	0.025	4	1	0.1
1676955	0.123	3	1.72	0.053	0.07	0.1	0.03	5.5	0.05	0.025	5	0.25	0.1
1676956	0.074	1	1.3	0.03	0.07	0.1	0.09	4.4	0.1	0.025	4	0.8	0.1
1676957	0.084	3	1.38	0.038	0.1	0.1	0.04	4	0.1	0.025	4	0.25	0.1
1676958	0.089	1	2.09	0.023	0.08	0.05	0.03	4.5	0.1	0.025	6	0.25	0.1
1676959	0.066	0.5	1.22	0.022	0.08	0.05	0.02	2.2	0.1	0.025	5	0.25	0.1
1676960	0.045	2	1.3	0.016	0.11	0.05	0.18	4.1	0.5	0.06	4	1.2	0.1
1676961	0.083	2	1.52	0.025	0.07	0.05	0.09	4.8	0.05	0.025	5	0.25	0.1
1676962	0.06	2	1.66	0.017	0.11	0.05	0.06	4.5	0.1	0.025	5	0.25	0.1
1676963	0.101	1	1.64	0.031	0.06	0.1	0.03	5.2	0.05	0.025	5	0.25	0.1
1676964	0.099	2	1.34	0.049	0.09	0.2	0.04	4.3	0.05	0.025	4	0.25	0.1
1676965	0.087	1	1.46	0.025	0.15	0.05	0.02	3.1	0.05	0.025	5	0.25	0.1
1676966	0.084	1	1.57	0.025	0.09	0.1	0.06	3.7	0.2	0.025	5	0.8	0.1
1676967	0.117	1	1.98	0.035	0.07	0.05	0.02	6.3	0.2	0.025	6	0.25	0.1
1676968	0.109	0.5	1.95	0.024	0.09	0.1	0.02	5	0.1	0.025	6	0.25	0.1
1676969	0.128	1	2.39	0.037	0.09	0.1	0.03	9.2	0.3	0.025	6	0.25	0.1
1676970	0.08	0.5	1.96	0.02	0.08	0.05	0.01	4	0.2	0.025	5	0.25	0.1
1676971	0.074	0.5	1.59	0.023	0.08	0.05	0.02	2.9	0.1	0.025	6	0.25	0.1
1676972	0.098	0.5	2.09	0.025	0.06	0.1	0.01	5.1	0.05	0.025	6	0.25	0.1
1676973	0.056	0.5	1.89	0.025	0.06	0.05	0.03	3.7	0.05	0.025	6	0.25	0.1
1676974	0.102	1	1.91	0.023	0.08	0.05	0.02	4.8	0.05	0.025	6	0.25	0.1
1676975	0.096	0.5	2.16	0.023	0.09	0.05	0.03	5.2	0.1	0.025	6	0.25	0.1
1676976	0.081	0.5	2.68	0.017	0.05	0.05	0.02	4.7	0.1	0.025	7	0.25	0.1
1676977	0.074	1	2.39	0.014	0.06	0.05	0.02	3.8	0.1	0.025	8	0.25	0.1
1676978	0.086	1	2.19	0.018	0.06	0.1	0.005	6.5	0.05	0.025	6	0.25	0.1
1676979	0.077	1	2.2	0.017	0.05	0.1	0.01	4.5	0.1	0.025	7	0.25	0.1
1676980	0.071	0.5	2.45	0.017	0.05	0.05	0.02	4.5	0.1	0.025	7	0.25	0.1
1676981	0.096	0.5	1.87	0.026	0.07	0.05	0.01	5.2	0.05	0.025	5	0.25	0.1
1676982	0.091	2	1.79	0.032	0.08	0.1	0.03	7	0.05	0.025	5	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1676983	WEL	Hans Bauermeiste	8/3/2018	07N	557339	6927401	-139.8879409	62.47329521	981	Auger
1676984	WEL	Hans Bauermeiste	8/3/2018	07N	557373	6927365	-139.8872937	62.47296688	962	Auger
1676985	WEL	Hans Bauermeiste	8/3/2018	07N	557411	6927330	-139.8865686	62.47264691	946	Auger
1676986	WEL	Hans Bauermeiste	8/3/2018	07N	557444	6927295	-139.8859404	62.4723277	936	Auger
1676987	WEL	Hans Bauermeiste	8/3/2018	07N	557479	6927259	-139.8852738	62.47199921	902	Auger
1676988	WEL	Hans Bauermeiste	8/3/2018	07N	557514	6927223	-139.8846073	62.47167072	865	Auger
1676989	WEL	Hans Bauermeiste	8/3/2018	07N	557550	6927184	-139.8839223	62.47131514	862	Auger
1676990	WEL	Hans Bauermeiste	8/3/2018	07N	557586	6927148	-139.8832364	62.47098648	845	Auger
1676991	WEL	Hans Bauermeiste	8/3/2018	07N	557617	6927115	-139.8826464	62.47068552	829	Auger
1676992	WEL	Hans Bauermeiste	8/3/2018	07N	557652	6927080	-139.8819796	62.47036599	833	Auger
1676993	WEL	Hans Bauermeiste	8/3/2018	07N	557689	6927042	-139.881275	62.47001922	797	Hands
1676994	WEL	Hans Bauermeiste	8/3/2018	07N	557723	6927007	-139.8806275	62.46969983	788	Auger
1676995	WEL	Hans Bauermeiste	8/3/2018	07N	557758	6926972	-139.8799607	62.46938029	776	Auger
1676996	WEL	Hans Bauermeiste	8/3/2018	07N	557807	6926956	-139.8790161	62.46922908	789	Auger
1676997	WEL	Hans Bauermeiste	8/3/2018	07N	557829	6926903	-139.8786074	62.46875002	825	Auger
1676998	WEL	Hans Bauermeiste	8/3/2018	07N	557898	6926830	-139.8772943	62.46808414	757	Auger
1676999	WEL	Hans Bauermeiste	8/3/2018	07N	557864	6926865	-139.8779417	62.46840354	742	Auger
1677000	WEL	Hans Bauermeiste	8/3/2018	07N	557864	6926865	-139.8779417	62.46840354	742	
1679001	WEL	Hans Bauermeiste	8/3/2018	07N	557934	6926793	-139.8766089	62.46774648	750	Auger
1679002	WEL	Hans Bauermeiste	8/3/2018	07N	557971	6926756	-139.875904	62.46740865	741	Auger
1679003	WEL	Hans Bauermeiste	8/3/2018	07N	558004	6926722	-139.8752758	62.46709838	741	Auger
1679004	WEL	Hans Bauermeiste	8/3/2018	07N	558041	6926686	-139.8745706	62.46676952	724	Auger
1679005	WEL	Hans Bauermeiste	8/3/2018	07N	558076	6926649	-139.8739046	62.466432	736	Auger
1679006	WEL	Hans Bauermeiste	8/3/2018	07N	558111	6926613	-139.8732383	62.46610345	731	Auger
1679007	WEL	Hans Bauermeiste	8/3/2018	07N	558147	6926578	-139.8725523	62.46578372	719	Auger
1675411	WEL	Linden Ernst	8/2/2018	07N	566361	6932107	-139.7111925	62.51402195	800	Mattock
1675412	WEL	Linden Ernst	8/2/2018	07N	566324	6932146	-139.7118957	62.51437855	781	Auger
1675413	WEL	Linden Ernst	8/2/2018	07N	566288	6932181	-139.7125811	62.51469907	785	Auger
1675414	WEL	Linden Ernst	8/2/2018	07N	566252	6932221	-139.7132646	62.51506446	791	Auger
1675415	WEL	Linden Ernst	8/2/2018	07N	566217	6932252	-139.7139322	62.5153489	796	Mattock
1675416	WEL	Linden Ernst	8/2/2018	07N	566184	6932288	-139.714559	62.51567784	797	Auger
1675417	WEL	Linden Ernst	8/2/2018	07N	566150	6932325	-139.7152049	62.51601594	791	Mattock
1675418	WEL	Linden Ernst	8/2/2018	07N	566113	6932359	-139.7159102	62.51632765	768	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1676983	80	B	Subtle Slope	Light Brown	Alders	Thin Moss Cover	Damp	Excellent	Clay
1676984	40	B	Pronounced Slo	Chocolate Brow	Alders	Grass Cover	Dry	Poor	Clay
1676985	60	B	Pronounced Slo	Light Brown	Poplar	Grass Cover	Dry	Good	Clay
1676986	50	B	Pronounced Slo	Light Brown	Alders	Burnt Moss	Dry	Good	Clay
1676987	60	B	Subtle Slope	Dark Brown	Alders	Burnt Moss	Damp	Good	Clay
1676988	70	B	Pronounced Slo	Dark Blue Black	Alders	Burnt Moss	Damp	Good	Clay
1676989	60	C	Pronounced Slo	Chocolate Brow	Alders	Burnt Moss	Dry	Good	Sand
1676990	60	B	Pronounced Slo	Chocolate Brow	Alders	Burnt Moss	Dry	Good	Clay
1676991	50	B	Pronounced Slo	Light Brown	Poplar	Grass Cover	Dry	Good	Clay
1676992	40	B	Pronounced Slo	Chocolate Brow	Poplar	Bare Soil	Dry	Poor	Clay
1676993	5	A	Pronounced Slo	Chocolate Brow	Poplar	Bare Soil	Dry	Poor	Clay
1676994	40	B	Pronounced Slo	Chocolate Brow	Alders	Burnt Moss	Dry	Excellent	Clay
1676995	90	B	Flat	Dark Grey Black	Poplar	Burnt Moss	Damp	Poor	Clay
1676996	70	A	Flat	Dark Grey Black	White Spruce	Sphagnum Moss < 30cm	Damp	Poor	Clay
1676997	50	B	Flat	Dark Grey Black	Black Spruce	Sphagnum Moss < 30cm	Damp	Poor	Clay
1676998	60	B	Flat	Dark Brown	Dwarf Birch	Grass Cover	Damp	Good	Clay
1676999	60	B	Flat	Grey	Alders	Sphagnum Moss < 30cm	Damp	Good	Clay
1677000									
1679001	80	B	Flat	Grey	Old Burn	Thin Moss Cover	Damp	Good	Clay
1679002	70	B	Flat	Bluish Grey	Alders	Sphagnum Moss < 30cm	Damp	Good	Clay
1679003	80	B	Flat	Grey	Old Burn	Thin Moss Cover	Damp	Good	Clay
1679004	60	B	Flat	Grey	Old Burn	Grass Cover	Damp	Good	Clay
1679005	70	B	Flat	Dark Brown	Old Burn	Burnt Moss	Damp	Good	Clay
1679006	70	B	Flat	Dark Brown	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1679007	50	B	Flat	Grey	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1675411	30	C	Pronounced Slo	Light Brown	Birch Forest	Leaf Cover	Dry	Good	Silt
1675412	40	C	Pronounced Slo	Dark Grey Black	Alders	Sphagnum Moss < 30cm	Damp	Good	Sand
1675413	40	B	Pronounced Slo	Dark Grey Black	Alders	Sphagnum Moss < 30cm	Damp	Good	Clay
1675414	40	C	Subtle Slope	Chocolate Brow	Alders	Sphagnum Moss < 30cm	Dry	Good	Gravel
1675415	40	C	Subtle Slope	Light Brown	Alders	Leaf Cover	Dry	Good	Silt
1675416	30	C	Subtle Slope	Light Brown	Birch Forest	Thin Moss Cover	Dry	Good	Silt
1675417	30	C	Subtle Slope	Light Brown	Black Spruce	Sphagnum Moss < 30cm	Dry	Good	Silt
1675418	50	C	Pronounced Slo	Chocolate Brow	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Sand

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1676983	Bright Orange Rust,Rusty Rock Chip,Sandy			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676984	Clay			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676985	Sandy			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676986	Sandy			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676987	Sandy			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676988	Sandy			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676989	Clay			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676990	Sandy			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676991	Sandy			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676992	Sandy			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676993	Rocky Terrain,Talus,Top Layer			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676994	Sandy			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676995	Organic 50%			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676996	Clay,Organic 25%			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676997	Clay,Possible Creek Contamination			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676998	Possible Creek Contamination			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1676999	Possible Creek Contamination			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1677000				'00116209	1676999	Soil	WEL-20180809-0	White Gold C	WHI18000712
1679001	Possible Creek Contamination,Small Sample			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679002	Possible Creek Contamination			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679003	Possible Creek Contamination			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679004	Possible Creek Contamination			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679005	Possible Creek Contamination			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679006	Clay			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1679007	Clay			'00116209		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675411	Fine			'00116202		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675412	Clay,Fine,Organic 10%,Rusty Rock Chip			'00116202		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675413	Organic 10%,Rusty Rock Chip			'00116202		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675414	Clay,Rusty Rock Chip,Sandy			'00116202		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675415	Sandy			'00116202		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675416	Fine			'00116202		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675417	Fine			'00116202		Soil	WEL-20180809-0	White Gold C	WHI18000712
1675418	Clay,Organic 10%,Quartz Chips			'00116202		Soil	WEL-20180809-0	White Gold C	WHI18000712

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1676983	9/2/2018	8/22/2018	0.4	10.2	15.5	62	0.05	9.1	4	257	1.7	21.7	0.6
1676984	9/2/2018	8/22/2018	1	21.2	9.3	75	0.4	24.4	13.8	855	3.11	14.1	0.4
1676985	9/2/2018	8/22/2018	1	32.2	9.6	54	0.1	26.1	12.7	658	3.22	9.6	0.4
1676986	9/2/2018	8/22/2018	1.2	45.1	9.5	57	0.05	33.6	14.3	884	2.92	7.3	0.5
1676987	9/2/2018	8/22/2018	0.5	47.2	6.7	50	0.05	31.3	13.2	576	2.92	8.1	0.5
1676988	9/2/2018	8/22/2018	0.7	46.2	8.1	49	0.05	27.8	11.5	614	2.92	6.8	0.5
1676989	9/2/2018	8/22/2018	1.3	43.5	9.3	50	0.05	33.6	13.9	990	3.16	9.8	0.6
1676990	9/2/2018	8/22/2018	0.6	42.7	7.5	44	0.05	28.2	12.6	537	2.98	8.3	0.5
1676991	9/2/2018	8/22/2018	1	47.4	8.7	49	0.05	32.1	14.3	866	2.8	8	0.5
1676992	9/2/2018	8/22/2018	1.5	28.8	9.9	80	0.5	33.2	16.5	645	3.44	10.3	0.6
1676993	9/2/2018	8/22/2018	1.5	37.8	13.9	171	1.1	38.6	21.5	1195	3.64	14	1
1676994	9/2/2018	8/22/2018	1.3	93.6	56.5	102	0.4	43.5	23.7	627	4.54	24.5	0.6
1676995	9/2/2018	8/22/2018	1	98.4	9	60	0.3	35.9	14.9	600	2.87	10.7	1.7
1676996	9/2/2018	8/22/2018	1.4	31.6	3	19	0.1	15.2	5.7	469	1	7.9	2.8
1676997	9/2/2018	8/22/2018	1.4	30.7	5.7	41	0.1	21.2	11.8	567	2.34	11	1.6
1676998	9/2/2018	8/22/2018	0.6	32.1	5.7	48	0.05	23.6	10.2	292	2.42	5.7	0.8
1676999	9/2/2018	8/22/2018	0.7	32.6	5.2	55	0.05	23.6	10.6	382	2.56	7	0.7
1677000	9/2/2018	8/22/2018	0.7	33.6	5.4	52	0.05	25.7	10.6	358	2.71	7.2	0.7
1679001	9/2/2018	8/22/2018	1.1	19	4.9	36	0.1	13.5	8.6	382	1.89	3.9	0.6
1679002	9/2/2018	8/22/2018	0.6	32.3	5.6	50	0.05	25.7	11.6	417	2.73	7	0.6
1679003	9/2/2018	8/22/2018	0.6	40.4	5.3	55	0.05	29.6	12.8	520	2.83	7.6	0.4
1679004	9/2/2018	8/22/2018	0.5	30.3	5.1	48	0.05	24	11.2	444	2.55	6.1	0.5
1679005	9/2/2018	8/22/2018	0.5	42.3	5.9	52	0.05	30.2	13.3	459	2.95	8.3	0.5
1679006	9/2/2018	8/22/2018	0.4	31.3	5.1	52	0.05	25.4	11.3	451	2.6	6.9	0.6
1679007	9/2/2018	8/22/2018	0.6	27	5.6	57	0.05	26.8	12.5	544	2.58	6.6	0.6
1675411	9/2/2018	8/22/2018	1.1	30.4	6.7	43	0.1	18.6	9.4	332	2.22	6.7	0.5
1675412	9/2/2018	8/22/2018	0.5	80.6	9.1	54	0.1	37.3	13.3	1208	2.11	4	0.8
1675413	9/2/2018	8/22/2018	0.4	65.1	8.7	52	0.1	32	11.7	790	1.98	3.8	0.6
1675414	9/2/2018	8/22/2018	0.9	51.7	9.7	50	0.2	24.9	8.9	418	2.27	4.7	0.5
1675415	9/2/2018	8/22/2018	1.7	37.1	9.5	99	0.5	26.5	12.5	2767	2.61	8.3	0.5
1675416	9/2/2018	8/22/2018	1.4	24.3	9.4	66	0.3	20.6	7.8	405	2.59	9.1	0.4
1675417	9/2/2018	8/22/2018	1.6	24.2	8.7	69	0.6	18.6	15.6	1698	2.32	5	0.3
1675418	9/2/2018	8/22/2018	1.6	37.4	8.3	53	0.4	23.4	6.1	323	1.94	8.6	0.5

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1676983	1.9	4.4	21	0.05	1.6	0.2	22	0.35	0.028	17	13	0.29	333
1676984	1.4	2	38	0.3	1.2	0.2	70	0.53	0.069	9	36	0.54	409
1676985	1.2	2.1	35	0.05	1	0.1	73	0.4	0.028	10	35	0.71	731
1676986	3.9	2	32	0.05	1.8	0.2	70	0.31	0.022	9	35	0.66	1187
1676987	4.4	2.5	53	0.05	0.5	0.1	71	1.07	0.058	13	33	0.77	494
1676988	2.9	2.6	40	0.05	0.6	0.1	73	0.54	0.046	12	35	0.68	886
1676989	5.6	2.7	39	0.05	0.8	0.1	74	0.54	0.018	11	41	0.61	691
1676990	2.9	2.7	36	0.05	0.6	0.1	76	0.49	0.019	12	39	0.65	763
1676991	2.5	2.3	37	0.05	0.6	0.1	66	0.58	0.029	12	35	0.61	469
1676992	1.8	2.9	33	0.3	0.7	0.2	74	0.5	0.062	13	42	0.67	310
1676993	1.4	2.7	41	1.2	0.7	0.2	84	0.74	0.079	13	40	0.7	297
1676994	4.2	2.6	37	0.2	0.8	0.3	110	0.7	0.023	13	56	0.84	212
1676995	4.2	1.4	76	0.6	0.7	0.1	70	1.53	0.063	12	32	0.76	207
1676996	1.5	0.2	107	0.3	0.4	0.05	25	2.52	0.047	5	13	0.43	147
1676997	5.3	1.4	70	0.1	0.5	0.1	61	1.39	0.056	10	27	0.58	207
1676998	3.9	2.1	50	0.05	0.5	0.05	65	0.78	0.061	12	30	0.66	307
1676999	2.7	2	53	0.2	0.4	0.05	68	0.92	0.063	11	30	0.63	235
1677000	4.4	1.9	52	0.2	0.5	0.05	69	0.88	0.063	12	31	0.68	227
1679001	5.7	1.3	33	0.05	0.3	0.05	49	0.51	0.049	8	24	0.38	139
1679002	3.2	2.2	51	0.1	0.4	0.05	71	1.29	0.069	11	33	0.7	141
1679003	1.4	2.1	70	0.2	0.4	0.05	72	2.06	0.073	11	33	0.85	119
1679004	4.8	2.1	43	0.05	0.4	0.05	73	0.72	0.063	11	32	0.59	154
1679005	1.5	2	60	0.05	0.5	0.1	74	1.24	0.051	12	34	0.73	157
1679006	3.4	2	48	0.1	0.4	0.05	75	0.92	0.066	10	33	0.67	152
1679007	3.1	2	45	0.1	0.4	0.05	71	0.9	0.067	10	33	0.67	181
1675411	1.2	1.5	35	0.2	0.6	0.2	63	0.5	0.02	9	25	0.4	228
1675412	6.2	1.6	59	0.3	0.5	0.2	41	1.62	0.075	20	29	0.71	919
1675413	5.1	1.3	61	0.3	0.4	0.3	39	1.98	0.063	17	26	0.59	1065
1675414	7.5	2.7	27	0.2	0.5	0.3	57	0.26	0.034	15	25	0.37	1027
1675415	3.2	2.2	22	0.4	0.8	0.2	67	0.16	0.045	13	27	0.32	546
1675416	2.6	2.1	22	0.1	0.7	0.3	82	0.25	0.034	10	28	0.41	509
1675417	2	1.4	20	0.3	0.9	0.2	75	0.17	0.036	7	23	0.23	463
1675418	5	1	41	0.05	1.6	0.2	56	0.26	0.041	12	19	0.24	468

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1676983	0.017	1	0.99	0.012	0.08	0.05	0.005	2.7	0.1	0.025	2	0.25	0.1
1676984	0.082	2	1.67	0.02	0.13	0.05	0.02	3.9	0.2	0.025	6	0.25	0.1
1676985	0.085	1	1.97	0.022	0.07	0.05	0.005	4.6	0.05	0.025	5	0.25	0.1
1676986	0.058	1	1.99	0.013	0.06	0.05	0.01	3.9	0.05	0.025	6	0.25	0.1
1676987	0.101	2	1.68	0.048	0.07	0.1	0.02	5.5	0.05	0.025	5	0.25	0.1
1676988	0.103	1	1.71	0.034	0.06	0.05	0.01	5.6	0.05	0.025	4	0.25	0.1
1676989	0.089	1	1.76	0.027	0.07	0.05	0.02	7.3	0.05	0.025	5	0.25	0.1
1676990	0.11	1	1.71	0.036	0.06	0.05	0.02	7.1	0.05	0.025	5	0.25	0.1
1676991	0.092	1	1.79	0.038	0.06	0.05	0.02	6.4	0.05	0.025	5	0.25	0.1
1676992	0.073	2	2.18	0.022	0.09	0.1	0.02	6.7	0.05	0.025	6	0.25	0.1
1676993	0.086	2	2.65	0.026	0.15	0.1	0.03	6.7	0.1	0.025	7	0.25	0.1
1676994	0.116	2	2.83	0.025	0.07	0.05	0.01	12.8	0.05	0.025	7	0.25	0.1
1676995	0.084	4	1.73	0.038	0.04	0.1	0.03	6.3	0.05	0.07	5	1.6	0.1
1676996	0.027	4	0.66	0.027	0.02	0.05	0.02	1.5	0.05	0.17	2	3.2	0.1
1676997	0.075	2	1.38	0.035	0.04	0.05	0.03	4.1	0.05	0.07	4	1.3	0.1
1676998	0.102	2	1.53	0.047	0.05	0.05	0.03	5.1	0.05	0.025	4	0.25	0.1
1676999	0.104	3	1.37	0.057	0.05	0.1	0.04	4.9	0.05	0.025	4	0.25	0.1
1677000	0.104	3	1.44	0.05	0.05	0.05	0.03	5	0.05	0.05	4	0.6	0.1
1679001	0.069	1	1.17	0.032	0.03	0.1	0.04	3.7	0.05	0.025	4	0.25	0.1
1679002	0.105	3	1.42	0.044	0.06	0.1	0.01	4.9	0.05	0.025	4	0.25	0.1
1679003	0.108	2	1.33	0.052	0.08	0.05	0.02	4.6	0.05	0.025	4	0.25	0.1
1679004	0.1	2	1.38	0.042	0.05	0.1	0.02	5	0.05	0.025	4	0.25	0.1
1679005	0.107	2	1.45	0.053	0.05	0.05	0.02	5.1	0.05	0.025	4	0.25	0.1
1679006	0.109	2	1.44	0.049	0.05	0.05	0.01	5	0.05	0.025	4	0.25	0.1
1679007	0.105	2	1.51	0.047	0.05	0.1	0.02	5.3	0.05	0.025	4	0.25	0.1
1675411	0.082	0.5	1.26	0.033	0.07	0.05	0.01	3.3	0.05	0.025	5	0.25	0.1
1675412	0.04	3	1.49	0.026	0.07	0.05	0.09	4.3	0.05	0.025	4	0.6	0.1
1675413	0.029	4	1.16	0.02	0.07	0.05	0.07	3.5	0.05	0.025	4	0.25	0.1
1675414	0.045	2	1.4	0.015	0.08	0.05	0.04	3.4	0.1	0.025	5	0.25	0.1
1675415	0.066	0.5	1.18	0.016	0.11	0.05	0.03	2.7	0.1	0.025	5	0.6	0.1
1675416	0.084	2	1.62	0.015	0.06	0.05	0.02	2.8	0.1	0.025	7	0.25	0.1
1675417	0.068	0.5	1.08	0.02	0.06	0.05	0.03	2.3	0.1	0.025	7	0.25	0.1
1675418	0.051	1	0.9	0.017	0.05	0.05	0.05	2.1	0.05	0.025	4	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1675419	WEL	Linden Ernst	8/2/2018	07N	566080	6932397	-139.7165363	62.51667453	739	Auger
1675420	WEL	Linden Ernst	8/2/2018	07N	566038	6932435	-139.7173371	62.51702302	730	Mattock
1675421	WEL	Linden Ernst	8/2/2018	07N	566005	6932467	-139.7179656	62.51731606	729	Auger
1675422	WEL	Linden Ernst	8/2/2018	07N	565974	6932502	-139.718554	62.51763566	732	Auger
1675423	WEL	Linden Ernst	8/2/2018	07N	565937	6932537	-139.719259	62.51795633	719	Auger
1675424	WEL	Linden Ernst	8/2/2018	07N	565902	6932574	-139.7199244	62.51829458	732	Auger
1675425	WEL	Linden Ernst	8/2/2018	07N	565902	6932574	-139.7199244	62.51829458	732	
1675426	WEL	Linden Ernst	8/2/2018	07N	565873	6932610	-139.7204737	62.51862279	746	Auger
1675427	WEL	Linden Ernst	8/2/2018	07N	565831	6932648	-139.7212746	62.51897125	763	Auger
1675428	WEL	Linden Ernst	8/2/2018	07N	565802	6932682	-139.7218247	62.51928151	768	Auger
1675429	WEL	Linden Ernst	8/2/2018	07N	565766	6932717	-139.7225103	62.51960198	758	Auger
1675430	WEL	Linden Ernst	8/2/2018	07N	565731	6932755	-139.7231754	62.51994919	748	Auger
1675431	WEL	Linden Ernst	8/2/2018	07N	565696	6932785	-139.7238436	62.52022461	741	Auger
1675432	WEL	Linden Ernst	8/2/2018	07N	565662	6932826	-139.7244881	62.52059856	733	Auger
1675433	WEL	Linden Ernst	8/2/2018	07N	565619	6932868	-139.725307	62.52098308	742	Auger
1675434	WEL	Linden Ernst	8/2/2018	07N	565588	6932893	-139.7258995	62.52121291	752	Auger
1675435	WEL	Linden Ernst	8/2/2018	07N	565557	6932930	-139.7264873	62.52155042	764	Auger
1675436	WEL	Linden Ernst	8/2/2018	07N	565522	6932966	-139.7271533	62.52187967	777	Auger
1675437	WEL	Linden Ernst	8/2/2018	07N	565486	6932999	-139.7278398	62.52218217	789	Auger
1675438	WEL	Linden Ernst	8/2/2018	07N	565451	6933038	-139.7285046	62.52253833	798	Auger
1675439	WEL	Linden Ernst	8/2/2018	07N	565417	6933075	-139.7291507	62.52287636	799	Auger
1675440	WEL	Linden Ernst	8/2/2018	07N	565384	6933107	-139.7297794	62.52316934	794	Auger
1675441	WEL	Linden Ernst	8/2/2018	07N	565347	6933142	-139.7304846	62.52348995	782	Auger
1675442	WEL	Linden Ernst	8/2/2018	07N	565311	6933181	-139.7311689	62.52384628	768	Auger
1675445	WEL	Linden Ernst	8/3/2018	07N	557239	6927788	-139.889751	62.47678369	1026	Auger
1675446	WEL	Linden Ernst	8/3/2018	07N	557272	6927753	-139.8891227	62.4764645	1015	Auger
1675447	WEL	Linden Ernst	8/3/2018	07N	557310	6927715	-139.8883985	62.47611761	1000	Auger
1675448	WEL	Linden Ernst	8/3/2018	07N	557345	6927681	-139.8877311	62.47580708	983	Auger
1675449	WEL	Linden Ernst	8/3/2018	07N	557377	6927648	-139.8871216	62.47550598	969	Auger
1675450	WEL	Linden Ernst	8/3/2018	07N	557377	6927648	-139.8871216	62.47550598	969	
1675451	WEL	Linden Ernst	8/3/2018	07N	557412	6927612	-139.8864549	62.4751775	953	Auger
1675452	WEL	Linden Ernst	8/3/2018	07N	557448	6927572	-139.8857702	62.47481296	948	Mattock
1675453	WEL	Linden Ernst	8/3/2018	07N	557485	6927536	-139.8850648	62.47448415	944	Mattock

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1675419	50	C	Pronounced Slo	Grey	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1675420	30	C	Pronounced Slo	Chocolate Brow	Birch Forest	Leaf Cover	Dry	Good	Silt
1675421	40	C	Pronounced Slo	Chocolate Brow	Alders	Leaf Cover	Dry	Good	Silt
1675422	40	C	Pronounced Slo	Chocolate Brow	Birch Forest	Sphagnum Moss < 30cm	Damp	Excellent	Sand
1675423	50	C	Pronounced Slo	Dark Brown	Black Spruce	Sphagnum Moss < 30cm	Damp	Excellent	Gravel
1675424	40	C	Pronounced Slo	Chocolate Brow	Birch Forest	Bare Soil	Dry	Excellent	Sand
1675425									
1675426	40	C	Pronounced Slo	Light Brown	Birch Forest	Thin Moss Cover	Dry	Good	Silt
1675427	30	C	Pronounced Slo	Light Brown	Alders	Bare Soil	Dry	Good	Silt
1675428	40	C	Pronounced Slo	Chocolate Brow	Alders	Thin Moss Cover	Damp	Good	Gravel
1675429	70	B	Pronounced Slo	Dark Grey Black	Black Spruce	Sphagnum Moss > 30cm	Damp	Good	Clay
1675430	50	C	Pronounced Slo	Grey	Black Spruce	Sphagnum Moss > 30cm	Damp	Good	Clay
1675431	60	C	Pronounced Slo	Dark Brown	Black Spruce	Sphagnum Moss > 30cm	Damp	Good	Clay
1675432	40	B	Subtle Slope	Dark Grey Black	Alders	Leaf Cover	Damp	Good	Clay
1675433	40	C	Pronounced Slo	Grey	Alders	Bare Soil	Damp	Good	Gravel
1675434	40	C	Pronounced Slo	Light Brown	Alders	Bare Soil	Dry	Good	Sand
1675435	30	C	Pronounced Slo	Light Brown	Birch Forest	Bare Soil	Dry	Good	Silt
1675436	40	C	Subtle Slope	Chocolate Brow	Old Burn	Bare Soil	Dry	Excellent	Sand
1675437	40	C	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Dry	Excellent	Sand
1675438	40	C	Subtle Slope	Light Brown	Old Burn	Bare Soil	Dry	Good	Silt
1675439	30	C	Subtle Slope	Light Brown	Birch Forest	Thin Moss Cover	Dry	Good	Silt
1675440	40	C	Subtle Slope	Chocolate Brow	Alders	Thin Moss Cover	Dry	Excellent	Sand
1675441	40	C	Subtle Slope	Grey	Birch Forest	Grass Cover	Damp	Excellent	Clay
1675442	40	C	Subtle Slope	Chocolate Brow	Birch Forest	Grass Cover	Damp	Excellent	Sand
1675445	40	C	Subtle Slope	Chocolate Brow	Alders	Thin Moss Cover	Damp	Excellent	Clay
1675446	40	C	Subtle Slope	Chocolate Brow	Alders	Grass Cover	Damp	Excellent	Sand
1675447	30	C	Subtle Slope	Chocolate Brow	Birch Forest	Grass Cover	Dry	Good	Silt
1675448	40	C	Subtle Slope	Dark Brown	Alders	Grass Cover	Damp	Excellent	Clay
1675449	40	B	Pronounced Slo	Dark Brown	Birch Forest	Leaf Cover	Damp	Good	Clay
1675450									
1675451	40	C	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Damp	Excellent	Sand
1675452	40	C	Pronounced Slo	Light Brown	Alders	Thin Moss Cover	Dry	Good	Silt
1675453	40	C	Pronounced Slo	Light Brown	Birch Forest	Grass Cover	Dry	Good	Silt

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1675419	Quartz Chips			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675420	Fine			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675421	Fine			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675422	Clay,Organic 10%			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675423	Clay			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675424	Fine			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675425				'00116202	1675424	Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675426	Fine			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675427	Sandy			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675428	Clay			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675429	Organic 25%			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675430	Coarse			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675431	Coarse			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675432	Fine			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675433	Clay			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675434	Fine			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675435	Fine			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675436	Fine			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675437	Fine			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675438	Fine			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675439	Fine			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675440	Fine			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675441	Rusty Rock Chip			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675442	Clay			'00116202		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675445	Rusty Rock Chip,Sandy			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675446	Fine,Rusty Rock Chip			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675447	Fine			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675448	Rusty Rock Chip,Sandy			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675449	Fine,Sandy			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675450				'00116208	1675449	Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675451	Clay,Fine,Partially Frozen,Rusty Rock Chip			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675452	Fine,Sandy			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675453	Fine			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1675419	9/2/2018	8/22/2018	0.9	39.6	9.4	85	0.4	33.7	13.2	561	2.65	10.5	0.8
1675420	9/2/2018	8/22/2018	1.7	37.1	8.6	103	0.6	37.9	13	2700	3.01	8.5	0.5
1675421	9/2/2018	8/22/2018	3.5	43	13.1	68	0.3	29	15.9	1486	2.94	12.4	0.7
1675422	9/2/2018	8/22/2018	3.1	52.9	13.3	38	0.2	16.9	10.6	1003	1.61	7	1.1
1675423	9/2/2018	8/22/2018	0.5	30.4	7.8	49	0.4	20.1	6.1	372	1.17	2.1	0.8
1675424	9/2/2018	8/22/2018	0.7	33.7	7.7	58	0.05	33.1	11.8	407	2.94	8.9	0.9
1675425	9/2/2018	8/22/2018	0.8	36.5	8.5	61	0.05	33.8	12.8	471	2.89	9.5	1.1
1675426	9/2/2018	8/22/2018	1.4	29.7	9.4	51	0.3	23.8	12.5	1537	2.51	5.9	0.4
1675427	9/2/2018	8/22/2018	1.6	36	10.3	77	0.3	32	14	753	3.02	9.7	0.5
1675428	9/2/2018	8/22/2018	1	40.8	12.5	63	0.2	30.3	19.3	1173	2.83	8.1	0.5
1675429	9/2/2018	8/22/2018	0.5	37.1	7.8	18	0.3	12.2	8.3	595	1.02	2.5	0.9
1675430	9/2/2018	8/22/2018	0.4	32.6	7.9	28	0.05	11	2.9	112	0.89	1.6	0.4
1675431	9/2/2018	8/22/2018	0.4	22.2	10.1	61	0.05	18.3	9.4	328	2.19	6.1	0.5
1675432	9/2/2018	8/22/2018	0.5	25.9	8.5	57	0.05	17.2	10.2	568	2.36	4	0.9
1675433	9/2/2018	8/22/2018	1.1	43.5	27.3	93	0.6	28.9	14.4	588	3.02	9.2	2.7
1675434	9/2/2018	8/22/2018	1.4	25.6	10.2	59	0.6	22.9	13	712	2.65	8.5	0.5
1675435	9/2/2018	8/22/2018	0.8	22.5	10.6	59	0.1	22.2	9.7	468	3.12	9.1	0.6
1675436	9/2/2018	8/22/2018	1.2	68.2	10.8	87	0.4	39.3	16.8	2350	3.02	6.7	1.2
1675437	9/2/2018	8/22/2018	1.3	20.2	10.2	53	0.1	17.7	15.1	643	2.52	7	0.4
1675438	9/2/2018	8/22/2018	1.4	25	10.7	71	0.05	32.7	14.9	504	3.63	11.4	0.5
1675439	9/2/2018	8/22/2018	1.2	27.6	10.5	47	0.05	27.6	12.2	285	3.2	9.4	0.7
1675440	9/2/2018	8/22/2018	1	17.4	15.4	46	0.05	16.3	7.3	218	2.27	8.3	0.6
1675441	9/2/2018	8/22/2018	0.9	40.5	18.1	51	0.3	16	8.8	799	2.21	4.4	2.2
1675442	9/2/2018	8/22/2018	0.7	17.5	12.3	42	0.05	10.9	5.4	180	2.01	3.5	1.2
1675445	9/2/2018	8/22/2018	0.5	26.4	7.3	49	0.05	24.4	9.4	311	2.66	8.7	0.5
1675446	9/2/2018	8/22/2018	0.7	34.1	7.2	46	0.2	27.1	11.5	361	2.44	6.5	0.6
1675447	9/2/2018	8/22/2018	1.1	24.8	10.3	56	0.1	24.6	10	316	2.97	10.4	0.5
1675448	9/2/2018	8/22/2018	1	38.1	8.1	48	0.3	20.2	10.6	731	1.89	5.8	1
1675449	9/2/2018	8/22/2018	0.7	38.6	10.4	66	0.3	25.4	11.9	720	2.65	6.6	1.4
1675450	9/2/2018	8/22/2018	0.8	39.4	8.1	56	0.3	25.5	11	832	2.19	5.4	1.7
1675451	9/2/2018	8/22/2018	0.8	21.3	8.7	48	0.2	13.9	6.4	269	2.05	9.6	0.6
1675452	9/2/2018	8/22/2018	1.3	15.5	9.8	53	0.1	13.2	9.1	860	2.68	12.2	0.4
1675453	9/2/2018	8/22/2018	1.3	14.6	8.3	41	0.2	12.8	7.9	316	2.6	8.7	0.3

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1675419	6.7	3.4	46	0.1	2.2	0.2	62	0.45	0.064	15	31	0.55	815
1675420	2.2	2	26	0.2	1.2	0.2	90	0.19	0.026	9	36	0.43	410
1675421	2	3.6	29	0.1	0.8	0.2	80	0.25	0.029	16	36	0.51	1101
1675422	9.5	2.6	20	0.05	0.4	0.3	43	0.14	0.028	17	20	0.25	527
1675423	10.8	0.8	40	0.3	0.4	0.2	21	0.36	0.061	11	19	0.29	413
1675424	5.1	4.1	47	0.1	0.6	0.2	79	0.51	0.039	16	41	0.66	517
1675425	5.3	3.9	48	0.2	0.7	0.2	81	0.62	0.038	17	44	0.74	550
1675426	3.5	1.6	29	0.9	0.8	0.2	69	0.24	0.037	8	27	0.36	710
1675427	1.8	2.3	46	0.3	1.2	0.2	78	0.41	0.033	10	40	0.48	799
1675428	4	2.8	41	0.1	0.7	0.2	66	0.31	0.041	13	33	0.64	504
1675429	5.3	0.2	62	0.1	0.5	0.1	17	0.49	0.101	8	15	0.15	555
1675430	5.3	0.2	22	0.1	0.3	0.2	22	0.2	0.046	7	14	0.16	291
1675431	6.7	1.9	29	0.05	0.5	0.2	64	0.37	0.069	11	30	0.61	246
1675432	2.8	2.6	64	0.2	0.4	0.1	52	1.23	0.087	18	27	0.58	296
1675433	2.7	10.4	77	0.8	1.1	0.3	51	1.08	0.126	85	28	0.59	1006
1675434	1.6	2.1	43	0.3	0.8	0.2	69	0.52	0.054	9	30	0.49	591
1675435	2.3	3.5	48	0.2	0.5	0.2	74	0.72	0.058	15	37	0.68	642
1675436	2.3	4	83	1.1	0.5	0.2	65	1.41	0.104	46	33	0.58	418
1675437	1.7	2.8	45	0.1	0.5	0.2	65	0.71	0.048	12	28	0.44	198
1675438	1.9	3.4	32	0.2	0.7	0.2	86	0.42	0.059	11	48	0.73	224
1675439	3.6	3.5	29	0.1	0.6	0.2	71	0.31	0.035	14	38	0.55	225
1675440	5	3.4	27	0.1	0.5	0.2	64	0.33	0.031	15	27	0.46	194
1675441	1.2	3.6	55	0.4	0.3	0.3	43	0.73	0.085	36	27	0.41	218
1675442	0.9	2.5	29	0.2	0.2	0.2	45	0.38	0.065	26	21	0.42	163
1675445	5.5	2.6	30	0.05	0.4	0.1	82	0.51	0.053	11	37	0.65	187
1675446	4.2	2.2	28	0.2	0.5	0.2	74	0.39	0.041	10	37	0.52	245
1675447	1.4	2.7	25	0.2	0.6	0.2	84	0.34	0.034	11	38	0.61	229
1675448	1.5	1	37	0.5	0.4	0.2	48	0.64	0.09	25	25	0.33	367
1675449	7	1.9	51	0.5	0.5	0.2	58	0.86	0.081	48	31	0.53	540
1675450	2.2	1	66	0.6	0.6	0.1	47	1.11	0.098	61	27	0.44	600
1675451	3.4	1.4	43	0.2	0.6	0.1	48	0.87	0.037	17	21	0.33	272
1675452	3	1.6	24	0.1	0.6	0.2	70	0.28	0.035	10	22	0.36	179
1675453	0.8	1.4	17	0.1	0.5	0.2	72	0.19	0.035	8	25	0.28	113

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1675419	0.096	2	1.43	0.03	0.07	0.1	0.13	4.2	0.05	0.025	4	0.9	0.1
1675420	0.075	0.5	2.05	0.021	0.06	0.05	0.04	4.2	0.1	0.025	7	0.9	0.1
1675421	0.056	1	1.98	0.016	0.09	0.05	0.04	4.5	0.1	0.025	7	0.25	0.1
1675422	0.038	1	1.27	0.018	0.06	0.05	0.06	2.9	0.1	0.025	5	0.25	0.1
1675423	0.041	1	0.95	0.021	0.06	0.05	0.11	3.3	0.2	0.06	3	0.7	0.1
1675424	0.127	2	1.6	0.043	0.08	0.05	0.03	6.9	0.05	0.025	5	0.25	0.1
1675425	0.129	2	1.79	0.045	0.1	0.1	0.04	7.7	0.1	0.025	5	0.25	0.1
1675426	0.078	0.5	1.47	0.025	0.08	0.05	0.03	3.1	0.2	0.025	5	0.25	0.1
1675427	0.096	0.5	1.66	0.021	0.11	0.05	0.04	3.5	0.2	0.025	6	0.25	0.1
1675428	0.068	2	1.84	0.017	0.1	0.05	0.04	3.8	0.1	0.025	5	0.25	0.1
1675429	0.021	3	0.61	0.018	0.04	0.05	0.15	2.2	0.05	0.12	2	0.25	0.1
1675430	0.026	2	0.59	0.017	0.06	0.05	0.06	1.3	0.05	0.06	3	0.25	0.1
1675431	0.097	1	1.49	0.027	0.07	0.1	0.06	3.7	0.05	0.025	5	0.25	0.1
1675432	0.097	2	1.62	0.032	0.07	0.1	0.05	5	0.1	0.025	5	0.5	0.1
1675433	0.056	2	2.08	0.022	0.11	0.1	0.06	6.7	0.2	0.025	6	1	0.1
1675434	0.077	1	1.53	0.029	0.09	0.05	0.02	3.3	0.2	0.025	6	0.25	0.1
1675435	0.115	0.5	2.03	0.025	0.09	0.1	0.01	4.6	0.1	0.025	7	0.25	0.1
1675436	0.092	4	2.06	0.036	0.11	0.05	0.02	6.4	0.1	0.025	6	0.25	0.1
1675437	0.09	1	1.73	0.036	0.09	0.1	0.01	3.4	0.1	0.025	6	0.25	0.1
1675438	0.101	1	2.75	0.02	0.12	0.1	0.01	4.5	0.1	0.025	8	0.25	0.1
1675439	0.091	0.5	2.44	0.019	0.06	0.05	0.02	4.3	0.2	0.025	7	0.25	0.1
1675440	0.086	0.5	1.72	0.019	0.06	0.05	0.02	3.5	0.1	0.025	6	0.25	0.1
1675441	0.064	1	1.97	0.029	0.12	0.05	0.06	4.8	0.1	0.025	7	0.25	0.1
1675442	0.077	0.5	1.44	0.022	0.08	0.05	0.02	2.8	0.05	0.025	5	0.25	0.1
1675445	0.11	2	1.64	0.027	0.04	0.1	0.01	4.1	0.05	0.025	5	0.25	0.1
1675446	0.097	2	1.9	0.023	0.04	0.1	0.02	4.5	0.05	0.025	6	0.25	0.1
1675447	0.09	1	1.99	0.015	0.06	0.05	0.03	4.1	0.1	0.025	7	0.25	0.1
1675448	0.045	2	1.41	0.023	0.05	0.05	0.06	4.1	0.1	0.025	4	0.25	0.1
1675449	0.057	1	1.71	0.03	0.06	0.05	0.05	6.5	0.2	0.025	6	0.6	0.1
1675450	0.041	1	1.65	0.034	0.05	0.05	0.08	5.7	0.2	0.06	5	0.9	0.1
1675451	0.054	2	1.2	0.029	0.07	0.05	0.03	2.8	0.1	0.025	5	0.25	0.1
1675452	0.078	0.5	1.32	0.02	0.09	0.05	0.02	3.1	0.2	0.025	6	0.25	0.1
1675453	0.085	0.5	1.32	0.022	0.06	0.05	0.02	2.4	0.05	0.025	7	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1675454	WEL	Linden Ernst	8/3/2018	07N	557516	6927505	-139.8844741	62.47420115	941	Auger
1675455	WEL	Linden Ernst	8/3/2018	07N	557553	6927465	-139.88377	62.47383644	940	Auger
1675456	WEL	Linden Ernst	8/3/2018	07N	557586	6927434	-139.8831405	62.47355312	934	Auger
1675457	WEL	Linden Ernst	8/3/2018	07N	557624	6927397	-139.8824161	62.47321518	924	Auger
1675458	WEL	Linden Ernst	8/3/2018	07N	557655	6927357	-139.8818284	62.47285139	911	Auger
1675460	WEL	Linden Ernst	8/3/2018	07N	557698	6927318	-139.8810078	62.47249471	902	Auger
1675461	WEL	Linden Ernst	8/3/2018	07N	557732	6927286	-139.8803593	62.47220225	890	Auger
1675462	WEL	Linden Ernst	8/3/2018	07N	557763	6927255	-139.8797686	62.47191923	880	Auger
1675463	WEL	Linden Ernst	8/3/2018	07N	557797	6927217	-139.8791222	62.47157291	864	Auger
1675464	WEL	Linden Ernst	8/3/2018	07N	557832	6927182	-139.8784554	62.47125336	841	Auger
1675465	WEL	Linden Ernst	8/3/2018	07N	557867	6927146	-139.8777889	62.47092484	819	Auger
1675466	WEL	Linden Ernst	8/3/2018	07N	557908	6927108	-139.8770068	62.47057742	798	Auger
1675467	WEL	Linden Ernst	8/3/2018	07N	557940	6927073	-139.8763981	62.47025833	785	Auger
1675468	WEL	Linden Ernst	8/3/2018	07N	557977	6927037	-139.8756929	62.46992948	765	Auger
1675469	WEL	Linden Ernst	8/3/2018	07N	558007	6927004	-139.8751224	62.46962864	750	Auger
1675470	WEL	Linden Ernst	8/3/2018	07N	558043	6926967	-139.874437	62.46929097	735	Auger
1675471	WEL	Linden Ernst	8/3/2018	07N	558080	6926929	-139.8737325	62.46894416	726	Auger
1675472	WEL	Linden Ernst	8/3/2018	07N	558113	6926895	-139.8731042	62.46863387	719	Auger
1675473	WEL	Linden Ernst	8/3/2018	07N	558150	6926859	-139.8723991	62.46830501	716	Auger
1675474	WEL	Linden Ernst	8/3/2018	07N	558184	6926828	-139.8717504	62.46802148	714	Auger
1675475	WEL	Linden Ernst	8/3/2018	07N	558184	6926828	-139.8717504	62.46802148	714	
1675476	WEL	Linden Ernst	8/3/2018	07N	558218	6926788	-139.8711048	62.46765718	708	Auger
1675477	WEL	Linden Ernst	8/3/2018	07N	558289	6926717	-139.8697525	62.46700887	701	Auger
1493876	WEL	Maxwell Fields	8/3/2018	07N	558107	6927030	-139.8731749	62.46984633	766	Auger
1493877	WEL	Maxwell Fields	8/3/2018	07N	558146	6927001	-139.8724286	62.46957997	766	Auger
1493878	WEL	Maxwell Fields	8/3/2018	07N	558180	6926962	-139.8717826	62.46922465	750	Auger
1493879	WEL	Maxwell Fields	8/3/2018	07N	558223	6926934	-139.8709584	62.46896663	737	Auger
1493880	WEL	Maxwell Fields	8/3/2018	07N	558252	6926895	-139.8704094	62.46861209	725	Auger
1493881	WEL	Maxwell Fields	8/3/2018	07N	558290	6926857	-139.8696856	62.4682651	781	Auger
1493882	WEL	Maxwell Fields	8/3/2018	07N	558328	6926823	-139.8689604	62.46795401	728	Auger
1493883	WEL	Maxwell Fields	8/3/2018	07N	558361	6926789	-139.8683322	62.4676437	716	Auger
1493952	WEL	Maxwell Fields	8/3/2018	07N	557312	6927860	-139.8883113	62.47741857	1035	Auger
1493953	WEL	Maxwell Fields	8/3/2018	07N	557344	6927825	-139.8877024	62.47709953	1012	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1675454	40	C	Subtle Slope	Chocolate Brow	Birch Forest	Grass Cover	Damp	Excellent	Clay
1675455	40	C	Subtle Slope	Chocolate Brow	Birch Forest	Grass Cover	Dry	Excellent	Silt
1675456	30	C	Subtle Slope	Reddish Brown	Birch Forest	Grass Cover	Dry	Good	Silt
1675457	40	C	Subtle Slope	Reddish Brown	Birch Forest	Bare Soil	Dry	Good	Silt
1675458	30	C	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Dry	Good	Silt
1675460	40	C	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Dry	Excellent	Silt
1675461	30	C	Subtle Slope	Chocolate Brow	Old Burn	Burnt Moss	Dry	Good	Silt
1675462	40	C	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Dry	Good	Silt
1675463	30	C	Pronounced Slo	Chocolate Brow	Old Burn	Bare Soil	Dry	Excellent	Silt
1675464	30	C	Pronounced Slo	Chocolate Brow	Poplar	Bare Soil	Dry	Excellent	Silt
1675465	30	C	Pronounced Slo	Chocolate Brow	Old Burn	Bare Soil	Dry	Excellent	Silt
1675466	40	C	Pronounced Slo	Chocolate Brow	Old Burn	Bare Soil	Dry	Excellent	Silt
1675467	40	C	Pronounced Slo	Chocolate Brow	Old Burn	Bare Soil	Damp	Excellent	Clay
1675468	40	C	Pronounced Slo	Chocolate Brow	Black Spruce	Bare Soil	Damp	Excellent	Clay
1675469	40	C	Pronounced Slo	Chocolate Brow	Old Burn	Bare Soil	Damp	Excellent	Clay
1675470	40	C	Subtle Slope	Chocolate Brow	Old Burn	Bare Soil	Damp	Excellent	Clay
1675471	70	B	Flat	Dark Grey Black	Black Spruce	Thin Moss Cover	Damp	Good	Clay
1675472	60	B	Flat	Dark Grey Black	Black Spruce	Thin Moss Cover	Damp	Poor	Clay
1675473	50	C	Flat	Grey	Black Spruce	Thin Moss Cover	Damp	Good	Clay
1675474	50	B	Flat	Grey	Black Spruce	Grass Cover	Damp	Good	Clay
1675475									
1675476	50	B	Flat	Grey	Black Spruce	Grass Cover	Damp	Good	Clay
1675477	50	C	Subtle Slope	Grey	Old Burn	Grass Cover	Damp	Excellent	Sand
1493876	50	C	Subtle Slope	Light Brown	Old Burn	Grass Cover	Damp	Good	Clay
1493877	60	B	Pronounced Slo	Light Brown	Old Burn	Leaf Cover	Dry	Good	Clay
1493878	50	B	Pronounced Slo	Dark Brown	Old Burn	Sphagnum Moss > 30cm	Damp	Good	Clay
1493879	80	B	Flat	Grey	Old Burn	Sphagnum Moss > 30cm	Damp	Good	Clay
1493880	50	B	Subtle Slope	Light Grey	Old Burn	Thin Moss Cover	Wet	Good	Clay
1493881	70	B	Pronounced Slo	Grey	Old Burn	Sphagnum Moss > 30cm	Wet	Good	Clay
1493882	60	B	Pronounced Slo	Grey	Mixed Coniferous	Sphagnum Moss > 30cm	Damp	Good	Clay
1493883	90	B	Pronounced Slo	Grey	Old Burn	Sphagnum Moss < 30cm	Wet	Good	Clay
1493952	40	B	Pronounced Slo	Light Brown	Dwarf Birch	Leaf Cover	Dry	Good	Sand
1493953	40	B	Pronounced Slo	Chocolate Brow	Dwarf Birch	Leaf Cover	Dry	Good	Sand

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1675454	Sandy			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675455	Fine,Sandy			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675456	Fine			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675457	Fine,Sandy			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675458	Fine			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675460	Fine,Sandy			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675461	Fine			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675462	Fine			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675463	Fine			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675464	Sandy			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675465	Fine			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675466	Fine,Sandy			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675467	Rusty Rock Chip,Sandy			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675468	Fine,Sandy			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675469	Sandy			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675470	Rusty Rock Chip			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675471	Fine			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675472	Organic 50%			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675473	Fine			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675474	Fine			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675475				'00116208	1675474	Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675476	Fine			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1675477	Fine			'00116208		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493876	Clay,Fine			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493877	Coarse,Fine			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493878	Clay,Coarse			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493879	Clay,Coarse			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493880	Clay,Coarse,Wet Soil			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493881	Clay,Dull Red Rust,Wet Soil			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493882	Clay,Coarse,Wet Soil			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493883	Clay,Coarse,Organic 10%			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493952	Sandy			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493953	Coarse,Fine,Sandy			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1675454	9/2/2018	8/22/2018	1.7	38.9	9.3	66	0.3	30.5	11.8	479	3.15	25.2	0.8
1675455	9/2/2018	8/22/2018	1.4	27.9	9.5	57	0.2	26.9	11.9	342	3.56	11.8	0.4
1675456	9/2/2018	8/22/2018	1.5	25.3	8.4	50	0.1	21.6	12.6	1732	2.86	9	0.4
1675457	9/2/2018	8/22/2018	0.8	21.8	7.4	82	0.1	22.8	11.8	1565	2.57	4.7	0.3
1675458	9/2/2018	8/22/2018	1	31.4	8.6	62	0.05	27.7	12.7	602	3.04	7.9	0.3
1675460	9/2/2018	8/22/2018	1	33.1	9.6	57	0.05	38.7	16.2	921	3.46	10.4	0.6
1675461	9/2/2018	8/22/2018	1.2	31.4	9.4	82	0.1	33.3	16.6	1076	3.46	8.5	0.5
1675462	9/2/2018	8/22/2018	1.9	25.7	9.8	63	0.3	36.6	17	779	3.3	19.5	0.4
1675463	9/2/2018	8/22/2018	1.8	23	10.2	128	0.5	34.6	17.3	924	3.49	15.6	0.7
1675464	9/2/2018	8/22/2018	1.3	66.4	14	80	0.2	44.5	24.6	724	3.88	25.9	0.8
1675465	9/2/2018	8/22/2018	1.4	91.7	31.1	114	0.4	53.3	26.9	530	5.17	86.9	0.8
1675466	9/2/2018	8/22/2018	1.2	35.2	9.3	56	0.3	37.4	20	663	3.97	18.3	0.6
1675467	9/2/2018	8/22/2018	1.7	69.9	8.6	70	0.2	36.7	15.1	546	3.48	58	0.6
1675468	9/2/2018	8/22/2018	1	39.3	8.6	54	0.05	34.4	14.7	524	3.32	18.8	0.6
1675469	9/2/2018	8/22/2018	0.9	38	7.7	53	0.05	29.8	14.4	539	3.04	21.3	0.8
1675470	9/2/2018	8/22/2018	0.8	60	9	54	0.1	34.6	14.9	618	3.21	37.6	1
1675471	9/2/2018	8/22/2018	0.6	50.5	6	35	0.1	29.3	11.7	709	1.91	14.7	2
1675472	9/2/2018	8/22/2018	0.7	20.5	2.3	15	0.05	9.2	2.7	374	0.7	4.9	1.7
1675473	9/2/2018	8/22/2018	0.4	32	5.4	55	0.05	23.6	10.6	295	2.63	6.4	0.7
1675474	9/2/2018	8/22/2018	0.5	32.1	5.1	49	0.05	24.8	11.2	344	2.51	6.3	0.8
1675475	9/2/2018	8/22/2018	0.6	35.6	5.4	51	0.05	24.7	11.4	335	2.7	6.9	0.9
1675476	9/2/2018	8/22/2018	0.7	29.8	6.9	56	0.05	23.3	10.7	335	2.65	8.6	0.8
1675477	9/2/2018	8/22/2018	0.5	33.1	4.5	48	0.05	25.9	10.9	411	2.43	6.3	0.4
1493876	9/2/2018	8/22/2018	1	25.8	7.6	55	0.1	25	15.1	873	2.9	7.8	0.3
1493877	9/2/2018	8/22/2018	0.8	52.7	8	58	0.1	33.3	15.6	773	2.78	17.5	0.5
1493878	9/2/2018	8/22/2018	1	32.2	7.7	58	0.05	27.7	14.7	939	2.98	13.2	0.5
1493879	9/2/2018	8/22/2018	0.6	50.2	7.3	54	0.05	32.3	12.5	392	3.19	13.6	1.3
1493880	9/2/2018	8/22/2018	0.5	51.1	6.7	53	0.05	29.8	11.5	502	2.57	10.4	1.6
1493881	9/2/2018	8/22/2018	0.4	29.3	5.2	51	0.05	21.6	13.3	267	2.63	7.1	0.7
1493882	9/2/2018	8/22/2018	0.6	23.4	5.4	56	0.05	20.3	10.9	280	2.71	7	0.7
1493883	9/2/2018	8/22/2018	0.8	38.2	5.6	52	0.05	25.6	15.6	588	2.73	6.5	0.9
1493952	9/2/2018	8/22/2018	1.1	57.8	6.5	60	0.2	35.9	17.3	921	3.78	6.7	0.5
1493953	9/2/2018	8/22/2018	1.4	66.4	7	59	0.3	33.1	20.7	1428	3.74	7.8	0.7

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1675454	11	1.6	37	0.3	2	0.2	96	0.48	0.054	12	42	0.55	759
1675455	4	1.9	18	0.1	0.7	0.3	96	0.23	0.028	7	43	0.53	382
1675456	2	1.6	25	0.2	0.6	0.2	78	0.28	0.037	7	33	0.39	637
1675457	1	1.5	28	0.2	0.6	0.2	66	0.3	0.027	6	29	0.37	661
1675458	3.2	1.7	29	0.2	0.5	0.2	82	0.43	0.033	7	39	0.58	590
1675460	2.9	3.2	35	0.05	0.7	0.2	96	0.44	0.018	12	58	0.63	268
1675461	3.2	2	26	0.1	0.7	0.2	93	0.3	0.027	9	42	0.54	429
1675462	1.4	2.4	29	0.2	0.7	0.4	84	0.35	0.03	10	44	0.57	367
1675463	4.5	3.1	51	0.6	0.7	0.2	87	0.77	0.073	13	44	0.63	349
1675464	6.5	3.3	35	0.2	0.6	0.2	100	0.73	0.051	14	50	0.86	188
1675465	27.8	3.2	28	0.2	1.1	0.3	136	0.68	0.025	15	78	0.94	131
1675466	2.5	3.1	32	0.05	0.6	0.2	110	0.58	0.016	13	54	0.63	238
1675467	20	3	41	0.2	1.3	0.1	87	0.75	0.036	13	37	0.77	191
1675468	4.2	3.2	35	0.1	0.7	0.2	97	0.62	0.021	12	48	0.69	196
1675469	5.3	2.8	39	0.1	0.6	0.1	79	0.72	0.038	13	36	0.67	219
1675470	23.6	2.9	47	0.05	0.8	0.2	86	0.84	0.043	14	42	0.66	361
1675471	6	0.8	88	0.3	0.8	0.2	48	1.96	0.061	11	27	0.44	353
1675472	1.2	0.1	144	0.2	0.5	0.1	16	3.57	0.102	3	8	0.3	231
1675473	3.3	2.2	48	0.05	0.5	0.1	77	0.79	0.066	12	32	0.65	232
1675474	2.6	2.3	46	0.05	0.5	0.05	81	0.82	0.078	13	33	0.64	219
1675475	4.8	2.3	46	0.05	0.5	0.05	86	0.84	0.084	13	34	0.63	214
1675476	9.3	2.4	45	0.2	0.5	0.1	76	0.73	0.077	13	36	0.65	240
1675477	4.3	2.1	73	0.2	0.4	0.05	75	2.31	0.079	11	32	0.84	118
1493876	3.8	1.7	45	0.3	0.5	0.1	64	0.89	0.049	7	38	0.46	323
1493877	7.6	2.5	48	0.2	0.7	0.1	78	1.01	0.053	14	36	0.71	206
1493878	3.2	1.8	45	0.3	0.5	0.1	73	0.74	0.038	11	36	0.62	232
1493879	7.2	2.6	55	0.2	0.7	0.1	74	1.02	0.038	12	38	0.8	208
1493880	4.5	2	60	0.1	0.7	0.3	63	1.31	0.058	13	32	0.61	220
1493881	2.6	2.1	54	0.1	0.5	0.05	71	1.22	0.06	10	30	0.63	181
1493882	1.9	2	49	0.05	0.5	0.1	62	0.89	0.061	9	30	0.6	162
1493883	3.5	2.1	54	0.05	0.5	0.05	68	1.03	0.062	11	33	0.63	248
1493952	1.5	1.8	30	0.3	0.5	0.1	86	0.48	0.039	16	38	0.54	189
1493953	1.9	2	40	0.3	0.6	0.1	82	0.55	0.054	11	38	0.6	213

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1675454	0.089	0.5	2.41	0.019	0.08	0.05	0.03	5.1	0.2	0.025	8	0.25	0.1
1675455	0.098	2	2.37	0.017	0.03	0.05	0.02	3.8	0.05	0.025	8	0.25	0.1
1675456	0.081	1	1.8	0.02	0.03	0.05	0.02	3	0.05	0.025	6	0.25	0.1
1675457	0.089	0.5	1.48	0.037	0.08	0.05	0.01	2.9	0.05	0.025	6	0.25	0.1
1675458	0.089	2	2.05	0.018	0.09	0.05	0.005	3.3	0.05	0.025	7	0.25	0.1
1675460	0.112	2	2.34	0.018	0.05	0.05	0.03	8.8	0.05	0.025	7	0.25	0.1
1675461	0.092	2	2.2	0.022	0.05	0.05	0.02	4.4	0.1	0.025	7	0.25	0.1
1675462	0.091	2	2.28	0.023	0.05	0.05	0.02	5	0.05	0.025	6	0.25	0.1
1675463	0.091	3	2.39	0.034	0.12	0.05	0.01	5.9	0.05	0.025	7	0.25	0.1
1675464	0.133	2	2.35	0.032	0.09	0.1	0.03	9.6	0.05	0.025	7	0.25	0.1
1675465	0.123	2	3.43	0.018	0.08	0.1	0.04	17.1	0.05	0.025	9	0.25	0.1
1675466	0.117	2	2.51	0.028	0.05	0.05	0.02	9.3	0.05	0.025	8	0.25	0.1
1675467	0.098	2	1.64	0.041	0.06	0.2	0.06	8.1	0.05	0.025	5	0.25	0.1
1675468	0.131	2	2.03	0.032	0.08	0.05	0.02	8.6	0.05	0.025	6	0.25	0.1
1675469	0.126	2	1.91	0.048	0.08	0.1	0.02	6.6	0.05	0.025	5	0.25	0.1
1675470	0.113	2	1.8	0.037	0.06	0.1	0.02	7.8	0.05	0.025	6	0.25	0.1
1675471	0.055	3	1.38	0.034	0.03	0.05	0.05	4.2	0.05	0.06	4	0.8	0.1
1675472	0.018	11	0.39	0.019	0.02	0.05	0.03	0.7	0.05	0.22	1	0.25	0.1
1675473	0.117	2	1.49	0.051	0.04	0.05	0.03	4.9	0.05	0.025	4	0.25	0.1
1675474	0.122	2	1.43	0.048	0.05	0.1	0.03	4.9	0.05	0.025	4	0.25	0.1
1675475	0.118	2	1.44	0.045	0.05	0.2	0.02	4.7	0.05	0.025	4	0.25	0.1
1675476	0.112	3	1.59	0.04	0.06	0.1	0.02	5	0.05	0.025	5	0.25	0.1
1675477	0.104	4	1.24	0.052	0.07	0.1	0.01	4.2	0.05	0.025	4	0.25	0.1
1493876	0.08	2	1.75	0.04	0.06	0.1	0.03	4.8	0.05	0.025	6	0.25	0.1
1493877	0.096	3	1.63	0.05	0.07	0.05	0.04	6	0.05	0.025	5	0.25	0.1
1493878	0.099	2	1.98	0.047	0.07	0.05	0.03	5.6	0.05	0.025	6	0.25	0.1
1493879	0.129	2	1.84	0.062	0.07	0.05	0.04	6.5	0.05	0.025	5	0.8	0.1
1493880	0.097	4	1.58	0.048	0.05	0.05	0.03	5.2	0.05	0.025	5	0.6	0.1
1493881	0.115	3	1.45	0.054	0.05	0.1	0.04	4.7	0.05	0.025	4	0.25	0.1
1493882	0.116	2	1.29	0.061	0.05	0.1	0.02	4.7	0.05	0.025	4	0.25	0.1
1493883	0.109	2	1.57	0.057	0.06	0.05	0.03	5.4	0.05	0.025	4	0.25	0.1
1493952	0.097	1	2.19	0.028	0.07	0.1	0.03	7	0.05	0.025	7	0.25	0.1
1493953	0.092	2	2.28	0.029	0.06	0.1	0.05	7.4	0.1	0.025	6	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1493954	WEL	Maxwell Fields	8/3/2018	07N	557378	6927788	-139.8870554	62.47676223	1003	Auger
1493955	WEL	Maxwell Fields	8/3/2018	07N	557414	6927754	-139.8863687	62.47645153	997	Auger
1493956	WEL	Maxwell Fields	8/3/2018	07N	557449	6927718	-139.885702	62.47612304	970	Auger
1493957	WEL	Maxwell Fields	8/3/2018	07N	557486	6927684	-139.8849959	62.47581219	944	Auger
1493958	WEL	Maxwell Fields	8/3/2018	07N	557523	6927650	-139.8842898	62.47550133	913	Auger
1493959	WEL	Maxwell Fields	8/3/2018	07N	557557	6927608	-139.8836445	62.47511914	906	Auger
1493960	WEL	Maxwell Fields	8/3/2018	07N	557590	6927574	-139.883016	62.4748089	920	Hands
1493961	WEL	Maxwell Fields	8/3/2018	07N	557625	6927537	-139.8823498	62.47447142	906	Hands
1493962	WEL	Maxwell Fields	8/3/2018	07N	557660	6927500	-139.8816835	62.47413393	924	Auger
1493963	WEL	Maxwell Fields	8/3/2018	07N	557696	6927467	-139.8809965	62.47383219	947	Auger
1493964	WEL	Maxwell Fields	8/3/2018	07N	557729	6927430	-139.8803691	62.47349501	908	Auger
1493965	WEL	Maxwell Fields	8/3/2018	07N	557764	6927394	-139.8797025	62.47316649	916	Auger
1493966	WEL	Maxwell Fields	8/3/2018	07N	557796	6927353	-139.8790958	62.47279357	920	Auger
1493967	WEL	Maxwell Fields	8/3/2018	07N	557833	6927325	-139.8783878	62.47253652	920	Auger
1493968	WEL	Maxwell Fields	8/3/2018	07N	557866	6927287	-139.8777608	62.47219036	896	Auger
1493969	WEL	Maxwell Fields	8/3/2018	07N	557901	6927250	-139.8770946	62.47185286	866	Auger
1493970	WEL	Maxwell Fields	8/3/2018	07N	557933	6927220	-139.8764843	62.47157864	833	Auger
1493971	WEL	Maxwell Fields	8/3/2018	07N	557972	6927177	-139.8757426	62.47118665	823	Auger
1493972	WEL	Maxwell Fields	8/3/2018	07N	558008	6927146	-139.8750551	62.47090283	794	Auger
1493973	WEL	Maxwell Fields	8/3/2018	07N	558039	6927114	-139.8744649	62.47061081	784	Auger
1493974	WEL	Maxwell Fields	8/3/2018	07N	558071	6927073	-139.8738583	62.47023786	796	Auger
1493975	WEL	Maxwell Fields	8/3/2018	07N	558071	6927073	-139.8738583	62.47023786	796	
1677501	WEL	Sebastien Pelletier	8/2/2018	07N	566094	6932958	-139.7160478	62.52170625	638	Auger
1677502	WEL	Sebastien Pelletier	8/2/2018	07N	566052	6932990	-139.7168511	62.5220009	639	Auger
1677503	WEL	Sebastien Pelletier	8/2/2018	07N	566019	6933023	-139.7174793	62.52230292	641	Auger
1677504	WEL	Sebastien Pelletier	8/2/2018	07N	565988	6933066	-139.7180648	62.52269431	649	Auger
1677505	WEL	Sebastien Pelletier	8/2/2018	07N	565950	6933096	-139.7187912	62.52297029	660	Auger
1677506	WEL	Sebastien Pelletier	8/2/2018	07N	565908	6933133	-139.7195926	62.52330979	678	Auger
1677507	WEL	Sebastien Pelletier	8/2/2018	07N	565878	6933168	-139.7201618	62.5236292	691	Auger
1677508	WEL	Sebastien Pelletier	8/2/2018	07N	565838	6933207	-139.7209237	62.52398629	704	Auger
1677509	WEL	Sebastien Pelletier	8/2/2018	07N	565809	6933238	-139.721475	62.52426963	715	Auger
1677510	WEL	Sebastien Pelletier	8/2/2018	07N	565766	6933281	-139.7222936	62.52466313	732	Auger
1677511	WEL	Sebastien Pelletier	8/2/2018	07N	565734	6933311	-139.7229036	62.52493802	744	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1493954	40	B	Subtle Slope	Light Brown	Dwarf Birch	Leaf Cover	Damp	Good	Sand
1493955	50	B	Subtle Slope	Dark Brown	Dwarf Birch	Grass Cover	Damp	Good	Clay
1493956	70	B	Subtle Slope	Dark Brown	Dwarf Birch	Grass Cover	Dry	Good	Clay
1493957	60	B	Pronounced Slo	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Clay
1493958	60	B	Subtle Slope	Dark Brown	Old Burn	Thin Moss Cover	Wet	Good	Clay
1493959	50	C	Subtle Slope	Dark Brown	Alders	Sphagnum Moss > 30cm	Damp	Good	Clay
1493960	50	B	Pronounced Slo	Dark Brown	White Spruce	Sphagnum Moss > 30cm	Damp	Poor	Clay
1493961	60	B	Subtle Slope	Light Brown	Dwarf Birch	Reindeer Moss	Dry	Good	Clay
1493962	60	B	Pronounced Slo	Dark Brown	Dwarf Birch	Sphagnum Moss > 30cm	Damp	Good	Clay
1493963	60	C	Subtle Slope	Chocolate Brow	Dwarf Birch	Thin Moss Cover	Dry	Good	Clay
1493964	60	C	Subtle Slope	Light Brown	Old Burn	Grass Cover	Dry	Good	Clay
1493965	60	C	Pronounced Slo	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Clay
1493966	70	C	Subtle Slope	Chocolate Brow	Old Burn	Burnt Moss	Dry	Good	Clay
1493967	60	C	Subtle Slope	Light Brown	Old Burn	Thin Moss Cover	Dry	Good	Clay
1493968	60	B	Pronounced Slo	Light Brown	Old Burn	Burnt Moss	Damp	Good	Clay
1493969	50	B	Pronounced Slo	Light Brown	Old Burn	Burnt Moss	Dry	Poor	Clay
1493970	60	B	Pronounced Slo	Light Brown	Old Burn	Burnt Moss	Dry	Good	Clay
1493971	50	C	Pronounced Slo	Dark Brown	Old Burn	Leaf Cover	Damp	Good	Sand
1493972	50	B	Pronounced Slo	Light Brown	Old Burn	Leaf Cover	Dry	Poor	Sand
1493973	60	B	Pronounced Slo	Light Brown	Old Burn	Leaf Cover	Damp	Good	Clay
1493974	60	C	Pronounced Slo	Light Brown	Old Burn	Frost Boil	Damp	Good	Sand
1493975									
1677501	50	B	Flat	Dark Grey Black	Dwarf Birch	Sphagnum Moss < 30cm	Damp	Excellent	Clay
1677502	80	C	Flat	Grey	Dwarf Birch	Leaf Cover	Damp	Excellent	Clay
1677503	60	B	Subtle Slope	Dark Grey Black	Birch Forest	Grass Cover	Damp	Excellent	Clay
1677504	70	B	Subtle Slope	Grey	Old Burn	Sphagnum Moss < 30cm	Damp	Excellent	Clay
1677505	40	B	Subtle Slope	Light Brown	Birch Forest	Leaf Cover	Dry	Excellent	Clay
1677506	40	B	Pronounced Slo	Light Brown	Birch Forest	Leaf Cover	Dry	Excellent	Clay
1677507	50	B	Subtle Slope	Light Brown	Willows	Thin Moss Cover	Dry	Good	Sand
1677508	40	B	Pronounced Slo	Chocolate Brow	Dwarf Birch	Leaf Cover	Dry	Excellent	Clay
1677509	40	B	Pronounced Slo	Chocolate Brow	Willows	Leaf Cover	Dry	Excellent	Clay
1677510	40	A	Pronounced Slo	Light Brown	Mixed Coniferous	Sphagnum Moss > 30cm	Dry	Good	Sand
1677511	40	B	Pronounced Slo	Chocolate Brow	Mixed Coniferous	Rock Cover	Dry	Good	Sand

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1493954	Coarse,Fine,Sandy			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493955	Clay,Coarse,Organic 10%,Sandy			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493956	Clay,Coarse			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493957	Clay,Coarse,Rocky Sample			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493958	Clay,Wet Soil			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493959	Clay,Organic 10%			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493960	Clay,Coarse,Quartz Chips,Rocky Sample			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493961	Clay,Coarse,Quartz Chips,Rocky Sample			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493962	Clay,Coarse,Quartz Chips,Rocky Sample			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493963	Clay,Coarse,Fine			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493964	Clay,Coarse,Rocky Sample			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493965	Clay,Coarse,Sandy			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493966	Clay,Coarse,Fine			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493967	Clay,Coarse,Fine			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493968	Clay,Coarse			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493969	Clay,Coarse,Fine			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493970	Clay,Coarse,Fine			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493971	Clay,Coarse,Fine			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493972	Clay,Coarse,Fine			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493973	Clay,Coarse,Fine			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493974	Coarse,Fine			'00116207		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1493975				'00116207	1493974	Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677501	Possible Creek Contamination			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677502	Possible Creek Contamination			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677503	Possible Creek Contamination			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677504	Clay			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677505	Rocky Terrain,Sandy			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677506	Rocky Terrain,Sandy			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677507	Organic 10%,Sandy			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677508	Rocky Terrain,Sandy			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677509	Rocky Terrain,Sandy			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677510	Fine,Organic 10%			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677511	Rocky Sample,Rocky Terrain			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1493954	9/2/2018	8/22/2018	0.9	46.9	5.8	54	0.1	31.2	17	616	3.27	6.9	0.6
1493955	9/2/2018	8/22/2018	0.8	44.7	6.6	59	0.3	28.1	13.7	557	2.89	6.6	0.6
1493956	9/2/2018	8/22/2018	1.1	32.9	9.2	63	0.05	31.8	14.6	634	3.67	6.9	0.6
1493957	9/2/2018	8/22/2018	1.1	34.5	9.8	53	0.05	28.6	14.4	550	3.38	6.9	0.6
1493958	9/2/2018	8/22/2018	0.7	52	8.9	54	0.2	29.1	11.5	373	2.99	9.4	1.1
1493959	9/2/2018	8/22/2018	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1493960	9/2/2018	8/22/2018	0.9	20.8	7.2	31	0.05	10.4	3	86	1.17	6.7	0.4
1493961	9/2/2018	8/22/2018	1.4	31.9	8.8	43	0.1	19.5	8.4	242	2.31	9.6	0.4
1493962	9/2/2018	8/22/2018	1.2	56.3	12.1	60	0.2	26.4	14.7	835	2.82	23.6	0.5
1493963	9/2/2018	8/22/2018	1.4	31	8.8	43	0.1	22	9.5	258	2.85	8.3	0.5
1493964	9/2/2018	8/22/2018	0.7	42.8	6.8	53	0.05	29.1	11.7	420	2.94	9.8	0.5
1493965	9/2/2018	8/22/2018	0.8	37.5	7.6	56	0.05	35.8	14.4	490	3.36	9.3	0.7
1493966	9/2/2018	8/22/2018	2.2	41.5	11.1	59	0.2	25.5	13.1	824	3.37	9.2	0.6
1493967	9/2/2018	8/22/2018	1.8	26.4	9.3	73	0.3	32.1	15.8	400	3.77	13.1	0.4
1493968	9/2/2018	8/22/2018	1.1	27.5	7.5	73	0.3	33.5	16.6	522	3.24	13	0.6
1493969	9/2/2018	8/22/2018	0.9	40.2	8.6	86	0.5	31.6	13.5	632	2.81	7.6	0.6
1493970	9/2/2018	8/22/2018	0.9	40.7	7.7	59	0.2	30.8	12.8	525	3.06	14	0.6
1493971	9/2/2018	8/22/2018	1	26.5	11.5	58	0.2	25.1	13.4	430	3.02	15	0.3
1493972	9/2/2018	8/22/2018	1.2	44.8	6.8	58	0.2	32.7	15.6	520	3.22	25.7	0.4
1493973	9/2/2018	8/22/2018	1.1	32.6	7.4	60	0.05	31.3	16	468	3.61	24.6	0.6
1493974	9/2/2018	8/22/2018	0.8	32.1	7.2	54	0.1	29.5	15.6	456	3.4	30.3	0.5
1493975	9/2/2018	8/22/2018	0.8	28.6	6.9	51	0.1	29.7	16.3	459	3.58	36	0.4
1677501	9/2/2018	8/22/2018	0.4	31.9	5.2	66	0.05	27.9	10.6	295	2.2	4.7	0.6
1677502	9/2/2018	8/22/2018	0.5	30.4	5.9	60	0.05	28.5	10.9	373	2.4	6.2	0.7
1677503	9/2/2018	8/22/2018	0.4	30	5.2	59	0.05	26.6	10.1	486	2.27	5.3	1.1
1677504	9/2/2018	8/22/2018	0.8	49.9	6.6	56	0.1	35.7	10.8	395	2.6	5.5	1.6
1677505	9/2/2018	8/22/2018	0.9	45.9	11.6	72	0.1	29.6	11.4	482	3.19	9.5	1.2
1677506	9/2/2018	8/22/2018	1.2	30.6	8.7	76	0.2	27.3	12.4	1088	2.92	6.5	0.9
1677507	9/2/2018	8/22/2018	0.9	19.2	8.9	43	0.05	18.2	8.7	258	2.49	6.2	0.5
1677508	9/2/2018	8/22/2018	0.7	27.2	9.5	51	0.05	24.5	11.4	784	2.84	5.9	0.6
1677509	9/2/2018	8/22/2018	0.8	22.8	8.3	55	0.05	27.5	12.7	463	3.42	8.9	0.6
1677510	9/2/2018	8/22/2018	0.8	19.4	7.8	40	0.05	16.8	9.1	837	2.13	4.5	0.6
1677511	9/2/2018	8/22/2018	0.9	24.2	17.1	49	0.05	24.5	11.2	350	3.51	10.9	1.3

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1493954	1.8	2	41	0.3	0.5	0.05	84	0.63	0.04	12	38	0.66	205
1493955	2.4	2.5	38	0.3	0.6	0.1	75	0.64	0.046	13	34	0.6	218
1493956	2	3.2	39	0.3	0.5	0.1	87	0.61	0.034	12	42	0.74	212
1493957	3.2	3.2	40	0.2	0.5	0.05	81	0.56	0.026	14	42	0.73	194
1493958	7.4	2.6	59	0.2	0.6	0.1	70	1.12	0.057	20	36	0.63	196
1493959	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1493960	17.1	0.2	20	0.05	0.8	0.1	26	0.19	0.038	5	19	0.16	299
1493961	4.2	1	16	0.1	1	0.2	60	0.15	0.029	6	28	0.35	428
1493962	17.7	1.2	30	0.1	0.7	0.2	52	0.4	0.057	8	28	0.44	435
1493963	4.1	1.4	24	0.1	0.4	0.1	74	0.26	0.026	8	34	0.42	474
1493964	8.8	2.7	36	0.05	0.8	0.1	78	0.48	0.049	13	41	0.61	452
1493965	4.1	3.2	32	0.05	0.5	0.1	93	0.4	0.038	14	46	0.69	343
1493966	3.7	2.2	26	0.1	0.6	0.2	89	0.3	0.034	9	38	0.51	303
1493967	2	2.6	29	0.4	0.7	0.2	98	0.42	0.026	8	53	0.71	233
1493968	2	3	39	0.3	0.6	0.1	96	0.7	0.025	11	51	0.63	222
1493969	2.1	2.7	47	1	0.5	0.2	66	0.9	0.048	15	36	0.58	303
1493970	10.5	2.9	37	0.3	0.6	0.1	71	0.74	0.04	13	40	0.66	197
1493971	8	1.9	28	0.3	0.6	0.1	70	0.55	0.037	8	33	0.51	170
1493972	4.5	2.4	38	0.3	0.7	0.1	79	0.82	0.036	10	38	0.64	205
1493973	5	2.7	32	0.05	0.6	0.2	89	0.53	0.025	9	50	0.57	314
1493974	6.8	2.8	36	0.05	0.7	0.1	89	0.61	0.017	10	50	0.69	334
1493975	4.3	3	34	0.1	0.6	0.1	104	0.56	0.017	10	51	0.69	319
1677501	2.6	2.3	45	0.2	0.4	0.1	61	0.9	0.076	11	33	0.68	184
1677502	1.9	2.9	45	0.05	0.5	0.1	76	0.8	0.096	13	36	0.72	202
1677503	1	2.2	59	0.2	0.4	0.3	64	1.04	0.085	12	31	0.55	354
1677504	4.3	2.4	62	0.3	0.6	0.1	55	1	0.088	13	31	0.62	594
1677505	2.4	5.2	54	0.3	0.8	0.2	65	0.62	0.054	24	36	0.68	969
1677506	1.9	2.2	59	0.8	0.5	0.2	65	0.85	0.094	14	31	0.56	1067
1677507	0.8	2.4	34	0.2	0.5	0.1	63	0.48	0.037	12	29	0.54	353
1677508	4.9	3.9	50	0.3	0.4	0.2	65	0.93	0.058	18	32	0.65	297
1677509	0.25	4.1	34	0.1	0.4	0.2	82	0.54	0.033	15	43	0.7	172
1677510	0.25	1	38	0.2	0.4	0.2	46	0.66	0.057	15	25	0.41	165
1677511	4.6	6.6	29	0.05	0.5	0.2	69	0.42	0.048	29	41	0.73	138

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1493954	0.109	2	1.77	0.031	0.05	0.05	0.04	7.2	0.05	0.025	6	0.25	0.1
1493955	0.089	2	1.63	0.026	0.05	0.05	0.03	5.5	0.05	0.025	5	0.25	0.1
1493956	0.115	2	2.15	0.029	0.07	0.05	0.02	6	0.05	0.025	6	0.25	0.1
1493957	0.117	2	1.89	0.042	0.07	0.1	0.02	6.3	0.05	0.025	6	0.25	0.1
1493958	0.093	4	1.97	0.031	0.08	0.1	0.05	7	0.05	0.025	5	0.7	0.1
1493959	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1493960	0.039	2	0.71	0.017	0.05	0.05	0.02	1.7	0.05	0.025	4	0.25	0.1
1493961	0.065	2	1.45	0.017	0.05	0.1	0.04	3.1	0.05	0.025	6	0.25	0.1
1493962	0.068	2	1.32	0.023	0.06	0.05	0.05	3.8	0.05	0.025	4	0.25	0.1
1493963	0.088	2	1.91	0.022	0.06	0.05	0.02	3.3	0.05	0.025	6	0.25	0.1
1493964	0.112	2	1.76	0.024	0.05	0.1	0.03	5.8	0.05	0.025	6	0.25	0.1
1493965	0.107	2	2.4	0.024	0.04	0.05	0.02	6	0.05	0.025	7	0.25	0.1
1493966	0.069	1	2.19	0.02	0.05	0.05	0.02	4.3	0.1	0.025	8	0.25	0.1
1493967	0.109	1	2.81	0.018	0.06	0.05	0.01	5.1	0.1	0.025	8	0.25	0.1
1493968	0.132	2	2.15	0.029	0.1	0.1	0.02	8.1	0.05	0.025	6	0.25	0.1
1493969	0.088	3	1.72	0.041	0.07	0.05	0.02	5.5	0.05	0.025	6	0.25	0.1
1493970	0.089	3	1.69	0.038	0.06	0.1	0.02	6.5	0.05	0.025	5	0.25	0.1
1493971	0.081	2	1.72	0.031	0.07	0.1	0.005	5.9	0.05	0.025	6	0.25	0.1
1493972	0.095	3	1.97	0.042	0.07	0.1	0.01	9.6	0.05	0.025	5	0.25	0.1
1493973	0.12	2	2.15	0.028	0.07	0.05	0.01	7.7	0.05	0.025	6	0.25	0.1
1493974	0.123	2	2.46	0.037	0.07	0.05	0.02	8.3	0.05	0.025	6	0.25	0.1
1493975	0.144	1	2.42	0.037	0.08	0.1	0.01	8.8	0.05	0.025	6	0.25	0.1
1677501	0.11	4	1.43	0.05	0.06	0.2	0.02	4.8	0.05	0.025	4	0.25	0.1
1677502	0.122	3	1.74	0.051	0.06	0.2	0.02	5.1	0.05	0.025	5	0.25	0.1
1677503	0.105	4	1.18	0.042	0.06	0.1	0.03	5	0.2	0.025	4	0.25	0.1
1677504	0.091	4	1.48	0.046	0.07	0.1	0.09	5.7	0.05	0.025	5	0.8	0.1
1677505	0.085	0.5	1.98	0.032	0.08	0.05	0.04	6.1	0.1	0.025	6	0.25	0.1
1677506	0.07	3	1.83	0.03	0.08	0.1	0.03	4.3	0.1	0.025	6	0.25	0.1
1677507	0.088	0.5	1.64	0.022	0.07	0.1	0.01	4.1	0.05	0.025	6	0.25	0.1
1677508	0.096	2	1.92	0.037	0.1	0.05	0.02	6.2	0.1	0.025	6	0.25	0.1
1677509	0.118	2	2.22	0.027	0.07	0.05	0.01	6.9	0.05	0.025	6	0.25	0.1
1677510	0.051	4	1.46	0.031	0.08	0.05	0.03	3.6	0.05	0.025	5	0.25	0.1
1677511	0.097	1	2.42	0.019	0.15	0.1	0.02	7	0.2	0.025	6	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1677512	WEL	Sebastien Pelletier	8/2/2018	07N	565693	6933357	-139.7236822	62.52535809	755	Auger
1677513	WEL	Sebastien Pelletier	8/2/2018	07N	565674	6933386	-139.7240402	62.52562169	751	Auger
1677514	WEL	Sebastien Pelletier	8/2/2018	07N	565628	6933417	-139.7249217	62.52590803	746	Hands
1677515	WEL	Sebastien Pelletier	8/2/2018	07N	565595	6933453	-139.7255489	62.52623693	737	Auger
1677984	WEL	Sebastien Pelletier	8/2/2018	07N	566645	6932393	-139.7055672	62.51653744	705	Auger
1677985	WEL	Sebastien Pelletier	8/2/2018	07N	566612	6932420	-139.7061975	62.51678566	723	Auger
1677986	WEL	Sebastien Pelletier	8/2/2018	07N	566576	6932453	-139.7068837	62.51708826	735	Auger
1677987	WEL	Sebastien Pelletier	8/2/2018	07N	566537	6932499	-139.7076231	62.51750805	747	Auger
1677988	WEL	Sebastien Pelletier	8/2/2018	07N	566509	6932533	-139.7081535	62.51781818	752	Auger
1677989	WEL	Sebastien Pelletier	8/2/2018	07N	566469	6932575	-139.7089139	62.51820225	759	Auger
1677990	WEL	Sebastien Pelletier	8/2/2018	07N	566431	6932603	-139.709641	62.51846033	759	Auger
1677991	WEL	Sebastien Pelletier	8/2/2018	07N	566408	6932637	-139.7100744	62.51876956	752	Auger
1677992	WEL	Sebastien Pelletier	8/2/2018	07N	566372	6932673	-139.7107595	62.51909906	736	Auger
1677993	WEL	Sebastien Pelletier	8/2/2018	07N	566337	6932708	-139.7114256	62.51941941	712	Auger
1677994	WEL	Sebastien Pelletier	8/2/2018	07N	566258	6932781	-139.7129314	62.52008862	679	Auger
1677995	WEL	Sebastien Pelletier	8/2/2018	07N	566222	6932816	-139.713617	62.52040914	670	Auger
1677996	WEL	Sebastien Pelletier	8/2/2018	07N	566191	6932847	-139.714207	62.52069286	661	Auger
1677997	WEL	Sebastien Pelletier	8/2/2018	07N	566303	6932744	-139.7120719	62.51974855	691	Auger
1677998	WEL	Sebastien Pelletier	8/2/2018	07N	566157	6932881	-139.7148541	62.52100404	656	Auger
1677999	WEL	Sebastien Pelletier	8/2/2018	07N	566123	6932917	-139.7155005	62.52133316	645	Auger
1678000	WEL	Sebastien Pelletier	8/2/2018	07N	566123	6932917	-139.7155005	62.52133316	645	
1677551	WEL	Alan Madsen	8/10/2018	07N	558363	6934313	-139.8657318	62.53516505	976	Auger
1677552	WEL	Alan Madsen	8/10/2018	07N	558394	6934283	-139.8651397	62.53489094	934	Auger
1677553	WEL	Alan Madsen	8/10/2018	07N	558431	6934247	-139.8644331	62.53456204	938	Auger
1677554	WEL	Alan Madsen	8/10/2018	07N	558468	6934210	-139.8637268	62.53422415	953	Auger
1677555	WEL	Alan Madsen	8/10/2018	07N	558502	6934178	-139.8630772	62.53393161	924	Auger
1677556	WEL	Alan Madsen	8/10/2018	07N	558539	6934140	-139.8623713	62.53358474	931	Auger
1677557	WEL	Alan Madsen	8/10/2018	07N	558573	6934107	-139.861722	62.53328322	947	Auger
1677558	WEL	Alan Madsen	8/10/2018	07N	558610	6934070	-139.8610158	62.53294532	988	Auger
1677559	WEL	Alan Madsen	8/10/2018	07N	558648	6934035	-139.8602895	62.53262521	968	Auger
1677560	WEL	Alan Madsen	8/10/2018	07N	558682	6934000	-139.859641	62.53230573	962	Auger
1677561	WEL	Alan Madsen	8/10/2018	07N	558717	6933965	-139.858973	62.53198609	947	Auger
1677562	WEL	Alan Madsen	8/10/2018	07N	558752	6933932	-139.8583043	62.53168439	927	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1677512	40	B	Pronounced Slo	Chocolate Brow	Birch Forest	Thin Moss Cover	Dry	Good	Clay
1677513	40	B	Subtle Slope	Chocolate Brow	Birch Forest	Leaf Cover	Dry	Good	Clay
1677514	30	B	Subtle Slope	Light Bluish Gre	Birch Forest	Leaf Cover	Dry	Good	Sand
1677515	40	B	Subtle Slope	Light Brown	Birch Forest	Leaf Cover	Dry	Excellent	Sand
1677984	50	C	Subtle Slope	Chocolate Brow	Poplar	Leaf Cover	Dry	Excellent	Sand
1677985	50	C	Subtle Slope	Light Brown	Poplar	Leaf Cover	Dry	Excellent	Sand
1677986	50	B	Subtle Slope	Bluish Grey	Willows	Thin Moss Cover	Dry	Good	Sand
1677987	40	B	Subtle Slope	Light Brown	Mixed Coniferous	Sphagnum Moss < 30cm	Dry	Good	Sand
1677988	50	B	Subtle Slope	Light Brown	Birch Forest	Sphagnum Moss < 30cm	Dry	Excellent	Sand
1677989	30	B	Subtle Slope	Light Bluish Gre	Birch Forest	Sphagnum Moss < 30cm	Dry	Excellent	Sand
1677990	40	B	Subtle Slope	Light Bluish Gre	White Spruce	Sphagnum Moss < 30cm	Dry	Excellent	Sand
1677991	50	B	Subtle Slope	Chocolate Brow	White Spruce	Sphagnum Moss > 30cm	Dry	Good	Sand
1677992	50	A	Pronounced Slo	Dark Grey Black	White Spruce	Grass Cover	Damp	Poor	Clay
1677993	50	A	Pronounced Slo	Dark Grey Black	Mixed Coniferous	Grass Cover	Damp	Poor	Clay
1677994	100	C	Subtle Slope	Grey	Dwarf Birch	Thin Moss Cover	Damp	Excellent	Clay
1677995	50	C	Subtle Slope	Grey	White Spruce	Sphagnum Moss < 30cm	Damp	Excellent	Clay
1677996	60	C	Subtle Slope	Grey	White Spruce	Grass Cover	Damp	Excellent	Clay
1677997	50	A	Pronounced Slo	Dark Brown	Dwarf Birch	Sphagnum Moss > 30cm	Damp	Poor	Clay
1677998	50	B	Subtle Slope	Grey	Birch Forest	Thin Moss Cover	Damp	Excellent	Clay
1677999	50	C	Subtle Slope	Grey	Dwarf Birch	Grass Cover	Damp	Excellent	Clay
1678000									
1677551	50	B	Steep	Dark Brown	Birch Forest	Leaf Cover	Damp	Good	Sand
1677552	50	B	Steep	Chocolate Brow	Dwarf Birch	Leaf Cover	Dry	Poor	Silt
1677553	50	B	Steep	Dark Brown	Dwarf Birch	Leaf Cover	Damp	Poor	Sand
1677554	60	B	Steep	Dark Brown	Dwarf Birch	Grass Cover	Damp	Good	Sand
1677555	50	C	Steep	Dark Brown	Willows	Sphagnum Moss < 30cm	Damp	Poor	Sand
1677556	60	C	Steep	Chocolate Brow	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Sand
1677557	60	C	Steep	Dark Blue Black	Willows	Grass Cover	Damp	Good	Gravel
1677558	50	C	Flat	Chocolate Brow	Willows	Leaf Cover	Damp	Good	Sand
1677559	50	C	Subtle Slope	Chocolate Brow	Birch Forest	Leaf Cover	Damp	Good	Sand
1677560	50	C	Steep	Chocolate Brow	Willows	Grass Cover	Damp	Poor	Sand
1677561	50	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Leaf Cover	Damp	Good	Sand
1677562	90	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Grass Cover	Damp	Good	Sand

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1677512	Organic 10%,Rocky Terrain,Sandy			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677513	Rocky Terrain,Sandy			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677514	Fine,Organic 10%			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677515	Clay,Fine,Rocky Terrain			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677984	Rocky Terrain			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677985	Sandy			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677986	Rocky Sample,Rocky Terrain			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677987	Fine,Rocky Terrain			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677988	Sandy			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677989	Fine,Rocky Terrain			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677990	Rocky Terrain,Sandy			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677991	Organic 10%			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677992	Organic 10%,Rocky Terrain			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677993	Organic 10%,Rocky Terrain			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677994	Clay			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677995	Organic 10%			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677996	Clay			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677997	Organic 50%,Rocky Terrain			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677998	Clay,Organic 50%			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677999	Clay			'00116203		Soil	WEL-20180809-0	White Gold Co	WHI18000712
1678000				'00116203	1677999	Soil	WEL-20180809-0	White Gold Co	WHI18000712
1677551	Organic 10%			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677552	Fine,Organic 25%			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677553	Partially Frozen,Wet Soil			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677554	Partially Frozen,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677555	Coarse,Partially Frozen,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677556	Coarse,Partially Frozen,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677557	Coarse,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677558	Rocky Terrain,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677559	Rusty Rock Chip,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677560	Rocky Sample,Rocky Terrain,Rusty Rock Chip			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677561	Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677562	Rusty Rock Chip,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1677512	9/2/2018	8/22/2018	1.1	20.2	10.3	126	0.05	19.7	13.9	1343	2.91	7.2	0.4
1677513	9/2/2018	8/22/2018	1.4	22.8	12.3	101	0.1	20.7	12.5	1220	3.1	7.4	1.1
1677514	9/2/2018	8/22/2018	0.8	15.7	11.7	35	0.1	11.2	6.4	239	1.84	5	0.7
1677515	9/2/2018	8/22/2018	0.7	11.5	19.4	59	0.05	14.3	8.8	410	2.51	4.6	0.7
1677984	9/2/2018	8/22/2018	1.2	27	9.4	47	0.05	26.1	14.7	489	3.09	7.1	0.4
1677985	9/2/2018	8/22/2018	0.7	50.9	7.2	50	0.05	47.9	20	569	2.83	9.3	0.5
1677986	9/2/2018	8/22/2018	0.7	67.4	7.6	61	0.05	56.1	21.8	822	3.2	8.5	0.6
1677987	9/2/2018	8/22/2018	1	47.6	10.3	67	0.1	37.9	14.5	2189	3	7.9	0.5
1677988	9/2/2018	8/22/2018	1.3	34.2	8	50	0.2	32.3	14.4	1207	3.07	8.9	0.5
1677989	9/2/2018	8/22/2018	1.2	25.7	8.2	66	0.3	21.8	10.7	1534	2.42	8.4	0.3
1677990	9/2/2018	8/22/2018	1.9	31.9	9	50	0.1	22.9	6.6	191	2.07	18.3	0.4
1677991	9/2/2018	8/22/2018	1.7	26.4	8.4	42	0.4	18.5	5.9	139	2.4	10.5	0.5
1677992	9/2/2018	8/22/2018	0.8	28.3	6.3	51	0.6	18.4	5.5	225	1.63	5.8	0.8
1677993	9/2/2018	8/22/2018	0.9	21.6	6.4	57	0.2	20.8	6.1	187	2.33	7.5	0.5
1677994	9/2/2018	8/22/2018	0.5	42.8	6.1	60	0.05	31.2	12.1	440	2.76	8.2	0.6
1677995	9/2/2018	8/22/2018	0.5	38.2	5.4	51	0.05	30.3	12.2	628	2.67	6.5	0.7
1677996	9/2/2018	8/22/2018	0.7	38	5.6	56	0.05	31.4	11.3	500	2.72	7	0.6
1677997	9/2/2018	8/22/2018	0.6	22.6	6.1	53	0.1	18	7.2	228	1.7	4.9	0.5
1677998	9/2/2018	8/22/2018	0.6	41.2	6.1	56	0.05	31.7	13.4	457	2.67	7.4	1.1
1677999	9/2/2018	8/22/2018	0.6	32.2	5.9	55	0.05	25.7	11.5	404	2.63	7.6	0.8
1678000	9/2/2018	8/22/2018	0.5	29.3	5.5	55	0.05	27.7	12	506	2.53	7.3	0.8
1677551	9/13/2018	8/27/2018	0.7	67.6	5.1	49	0.1	31.5	14.5	570	2.32	8	0.5
1677552	9/13/2018	8/27/2018	1.2	29.9	5	48	0.05	19.8	9.5	393	1.99	5.2	0.4
1677553	9/13/2018	8/27/2018	1.2	25.7	23.3	69	0.7	17.7	17.3	398	1.99	10.8	0.7
1677554	9/13/2018	8/27/2018	0.7	34.8	18.6	61	0.6	25.3	12.3	540	2.12	28.9	1.3
1677555	9/13/2018	8/27/2018	0.7	30.1	7.1	66	0.05	24	12.3	656	2.24	5.8	0.7
1677556	9/13/2018	8/27/2018	0.8	11.8	5.4	59	0.05	12.6	10.8	412	2.81	6.2	0.5
1677557	9/13/2018	8/27/2018	0.4	37.3	4.3	52	0.05	19.3	18.6	720	3.59	4.3	0.6
1677558	9/13/2018	8/27/2018	1	11.4	5.7	23	0.05	7.7	4.5	137	1.67	3.6	0.3
1677559	9/13/2018	8/27/2018	1.4	32.5	8.2	53	0.1	28.9	14.9	338	3.98	9.7	0.7
1677560	9/13/2018	8/27/2018	0.8	31	6.8	48	0.05	21	16.7	538	3.19	6.1	0.6
1677561	9/13/2018	8/27/2018	0.6	37.8	5.8	55	0.05	25.4	17.1	894	3.33	6.5	0.9
1677562	9/13/2018	8/27/2018	0.6	37.2	6.9	54	0.05	28.7	15	562	3.4	7.1	0.4

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1677512	1.4	2.2	32	0.3	0.6	0.2	67	0.42	0.041	10	29	0.42	316
1677513	0.7	4	43	0.2	0.5	0.3	66	0.56	0.05	26	36	0.55	367
1677514	10	3.2	23	0.05	0.3	0.2	42	0.24	0.055	14	19	0.26	222
1677515	0.7	7.3	19	0.05	0.3	0.3	49	0.34	0.071	35	23	0.46	210
1677984	1.6	2.2	29	0.2	0.6	0.1	74	0.38	0.025	8	39	0.54	339
1677985	3.4	2.1	30	0.1	0.5	0.1	79	0.64	0.023	15	59	0.68	541
1677986	4	3.1	39	0.1	0.7	0.1	76	0.79	0.047	18	67	0.8	900
1677987	1.3	2.9	35	0.5	0.7	0.2	63	0.56	0.065	13	35	0.57	1732
1677988	1.3	2.6	30	0.05	0.7	0.2	78	0.31	0.026	10	44	0.55	820
1677989	1.3	1.6	22	0.2	0.8	0.2	65	0.27	0.055	7	29	0.3	519
1677990	3.6	2.5	22	0.1	3.9	0.2	49	0.17	0.039	14	19	0.21	384
1677991	5.8	1.8	22	0.1	1.3	0.2	64	0.16	0.042	11	28	0.29	435
1677992	4.2	0.9	48	0.2	0.9	0.1	36	0.53	0.063	8	23	0.38	948
1677993	1.3	1.5	29	0.2	0.7	0.1	67	0.4	0.057	9	28	0.5	358
1677994	3.7	2.9	52	0.2	0.6	0.1	68	0.99	0.08	14	33	0.72	299
1677995	3.6	2.3	48	0.2	0.5	0.1	64	0.87	0.067	11	35	0.63	244
1677996	2.2	2.3	48	0.2	0.4	0.1	70	0.87	0.086	11	35	0.62	261
1677997	1.2	1.3	26	0.1	0.4	0.1	59	0.36	0.048	8	27	0.5	259
1677998	5.9	2.8	51	0.2	0.5	0.1	72	0.89	0.074	14	33	0.64	264
1677999	7.7	2.6	52	0.1	0.5	0.1	66	1.04	0.075	12	33	0.65	191
1678000	2.9	2.3	53	0.2	0.4	0.1	66	1.02	0.071	11	32	0.75	208
1677551	0.8	1.1	45	0.4	0.4	0.1	68	1.11	0.062	10	37	0.58	151
1677552	0.5	0.7	30	0.3	0.4	0.1	56	0.56	0.052	6	28	0.42	112
1677553	1.5	1.3	29	0.2	0.9	0.1	64	0.55	0.062	9	32	0.52	108
1677554	3.3	2	62	0.3	2.3	0.1	51	1.22	0.065	14	32	0.53	162
1677555	3.8	1	62	0.2	0.6	0.05	61	1.45	0.075	8	36	0.68	115
1677556	1	1	34	0.05	0.3	0.05	78	0.53	0.08	8	24	0.74	99
1677557	0.8	1.4	54	0.2	0.3	0.05	101	0.87	0.084	13	24	1.15	117
1677558	1.3	0.7	14	0.05	0.3	0.1	59	0.15	0.027	5	16	0.27	58
1677559	4.2	2.5	24	0.05	0.6	0.2	96	0.35	0.042	9	44	0.69	149
1677560	1.6	1.6	40	0.2	0.5	0.1	84	0.76	0.035	11	30	0.72	147
1677561	4.3	1.9	50	0.3	0.5	0.1	81	0.99	0.056	15	30	0.89	152
1677562	3.3	2.5	53	0.05	0.5	0.05	86	0.87	0.052	13	37	1.01	152

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1677512	0.073	0.5	1.59	0.02	0.07	0.05	0.02	3.5	0.1	0.025	6	0.25	0.1
1677513	0.082	3	1.86	0.026	0.08	0.1	0.005	5.5	0.1	0.025	7	0.25	0.1
1677514	0.042	0.5	1.27	0.015	0.1	0.05	0.01	2.5	0.1	0.025	5	0.25	0.1
1677515	0.05	2	1.59	0.013	0.22	0.05	0.01	3.4	0.2	0.025	5	0.25	0.1
1677984	0.095	0.5	1.8	0.021	0.07	0.05	0.01	5	0.05	0.025	6	0.25	0.1
1677985	0.1	1	1.82	0.029	0.06	0.1	0.03	5.9	0.05	0.025	6	0.25	0.1
1677986	0.124	2	2.03	0.026	0.06	0.1	0.06	8.3	0.05	0.025	6	0.25	0.1
1677987	0.061	2	1.95	0.024	0.07	0.05	0.03	5.6	0.05	0.025	6	0.25	0.1
1677988	0.088	0.5	2.1	0.019	0.04	0.1	0.02	4.9	0.05	0.025	6	0.25	0.1
1677989	0.064	0.5	1.44	0.02	0.07	0.05	0.02	2.8	0.05	0.025	6	0.25	0.1
1677990	0.049	0.5	0.92	0.012	0.05	0.05	0.02	2.2	0.05	0.025	4	1.2	0.1
1677991	0.074	1	1.23	0.017	0.06	0.05	0.07	2.9	0.05	0.025	6	0.8	0.1
1677992	0.064	5	1.03	0.024	0.07	0.05	0.23	4	0.05	0.025	4	1	0.1
1677993	0.082	2	1.28	0.024	0.06	0.1	0.09	3.6	0.05	0.025	5	0.7	0.1
1677994	0.109	2	1.57	0.044	0.06	0.2	0.02	5.2	0.05	0.025	4	0.25	0.1
1677995	0.105	2	1.63	0.041	0.06	0.1	0.03	4.9	0.05	0.025	4	0.25	0.1
1677996	0.11	4	1.55	0.046	0.06	0.1	0.03	5.6	0.05	0.025	5	0.25	0.1
1677997	0.08	2	1.43	0.024	0.05	0.1	0.06	3.2	0.05	0.025	5	0.6	0.1
1677998	0.109	2	1.49	0.046	0.06	0.1	0.02	5	0.05	0.025	5	0.6	0.1
1677999	0.104	2	1.49	0.046	0.06	0.2	0.02	5	0.05	0.025	4	0.25	0.1
1678000	0.101	3	1.66	0.051	0.06	0.1	0.03	4.5	0.05	0.025	5	0.25	0.1
1677551	0.082	2	1.78	0.023	0.06	0.05	0.04	4.7	0.05	0.025	5	0.25	0.1
1677552	0.069	2	1.27	0.017	0.09	0.1	0.04	2.9	0.05	0.025	5	0.25	0.1
1677553	0.06	2	1.4	0.02	0.04	0.05	0.04	3.9	0.05	0.025	5	0.25	0.1
1677554	0.055	3	1.62	0.022	0.06	0.05	0.06	5	0.05	0.025	4	0.25	0.1
1677555	0.067	3	1.48	0.027	0.05	0.05	0.04	4.5	0.05	0.025	4	0.25	0.1
1677556	0.07	2	1.62	0.017	0.06	0.05	0.04	4	0.05	0.025	6	0.25	0.1
1677557	0.126	2	2.03	0.022	0.08	0.1	0.03	6.7	0.05	0.025	7	0.25	0.1
1677558	0.075	0.5	1	0.01	0.04	0.05	0.02	1.7	0.05	0.025	6	0.25	0.1
1677559	0.108	2	2.93	0.017	0.04	0.05	0.03	4.9	0.1	0.025	8	0.25	0.1
1677560	0.11	2	2.1	0.024	0.06	0.05	0.03	4.2	0.05	0.025	7	0.25	0.1
1677561	0.104	2	2.29	0.032	0.07	0.05	0.04	6.9	0.05	0.025	6	0.25	0.1
1677562	0.118	2	2.14	0.037	0.06	0.1	0.03	7.2	0.05	0.025	6	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1677563	WEL	Alan Madsen	8/10/2018	07N	558786	6933898	-139.8576555	62.53137387	908	Auger
1677564	WEL	Alan Madsen	8/10/2018	07N	558824	6933861	-139.85693	62.5310358	848	Auger
1677565	WEL	Alan Madsen	8/10/2018	07N	558860	6933825	-139.856243	62.53070701	871	Auger
1677566	WEL	Alan Madsen	8/10/2018	07N	558897	6933791	-139.8555359	62.530396	842	Auger
1677567	WEL	Alan Madsen	8/10/2018	07N	558935	6933753	-139.8548107	62.53004894	813	Auger
1677568	WEL	Alan Madsen	8/10/2018	07N	558965	6933722	-139.8542386	62.52976597	812	Auger
1677569	WEL	Alan Madsen	8/10/2018	07N	559003	6933685	-139.8535132	62.52942787	806	Auger
1677570	WEL	Alan Madsen	8/10/2018	07N	559038	6933652	-139.8528446	62.52912615	780	Auger
1677571	WEL	Alan Madsen	8/10/2018	07N	559074	6933617	-139.8521574	62.52880632	764	Auger
1677572	WEL	Alan Madsen	8/10/2018	07N	559109	6933582	-139.8514896	62.52848664	778	Auger
1677573	WEL	Alan Madsen	8/10/2018	07N	559147	6933545	-139.8507642	62.52814853	765	Auger
1677574	WEL	Alan Madsen	8/10/2018	07N	559184	6933509	-139.8500579	62.52781955	789	Auger
1677575	WEL	Alan Madsen	8/10/2018	07N	559184	6933509	-139.8500579	62.52781955	789	
1677576	WEL	Alan Madsen	8/10/2018	07N	559217	6933476	-139.8494283	62.52751813	768	Auger
1677577	WEL	Alan Madsen	8/10/2018	07N	559255	6933440	-139.8487026	62.52718898	771	Auger
1677578	WEL	Alan Madsen	8/10/2018	07N	559288	6933408	-139.8480727	62.52689653	754	Auger
1677579	WEL	Alan Madsen	8/10/2018	07N	559328	6933370	-139.8473089	62.52654911	758	Auger
1677580	WEL	Alan Madsen	8/10/2018	07N	559361	6933336	-139.8466796	62.5262387	732	Auger
1677581	WEL	Alan Madsen	8/10/2018	07N	559397	6933301	-139.8459925	62.52591884	777	Auger
1677582	WEL	Alan Madsen	8/10/2018	07N	559432	6933265	-139.8453252	62.52559016	792	Auger
1676476	WEL	Alexander Arbery	8/10/2018	07N	558221	6934172	-139.8685389	62.53392206	1062	Auger
1676477	WEL	Alexander Arbery	8/10/2018	07N	558256	6934139	-139.8678701	62.53362041	1075	Auger
1676478	WEL	Alexander Arbery	8/10/2018	07N	558293	6934102	-139.8671638	62.53328254	1030	Auger
1676479	WEL	Alexander Arbery	8/10/2018	07N	558329	6934067	-139.8664763	62.53296278	1060	Auger
1676480	WEL	Alexander Arbery	8/10/2018	07N	558363	6934032	-139.8658277	62.53264333	1039	Auger
1676481	WEL	Alexander Arbery	8/10/2018	07N	558400	6933997	-139.8651208	62.5323234	1005	Auger
1676482	WEL	Alexander Arbery	8/10/2018	07N	558435	6933962	-139.8644527	62.53200378	1034	Auger
1676483	WEL	Alexander Arbery	8/10/2018	07N	558470	6933928	-139.8637844	62.53169313	1012	Auger
1676484	WEL	Alexander Arbery	8/10/2018	07N	558507	6933893	-139.8630775	62.53137319	995	Auger
1676485	WEL	Alexander Arbery	8/10/2018	07N	558543	6933858	-139.8623901	62.53105341	974	Auger
1676486	WEL	Alexander Arbery	8/10/2018	07N	558578	6933822	-139.8617225	62.53072481	936	Auger
1676487	WEL	Alexander Arbery	8/10/2018	07N	558615	6933787	-139.8610157	62.53040486	919	Auger
1676488	WEL	Alexander Arbery	8/10/2018	07N	558650	6933752	-139.8603477	62.53008522	890	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1677563	60	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Grass Cover	Damp	Good	Sand
1677564	50	C	Pronounced Slo	Chocolate Brow	Alders	Grass Cover	Damp	Good	Sand
1677565	50	C	Pronounced Slo	Dark Brown	Dwarf Birch	Leaf Cover	Damp	Good	Sand
1677566	90	C	Pronounced Slo	Grey	Alders	Leaf Cover	Damp	Good	Sand
1677567	60	C	Steep	Chocolate Brow	Poplar	Leaf Cover	Damp	Good	Sand
1677568	60	C	Steep	Chocolate Brow	Poplar	Leaf Cover	Damp	Good	Sand
1677569	50	C	Steep	Reddish Brown	Poplar	Leaf Cover	Damp	Good	Sand
1677570	50	C	Steep	Chocolate Brow	Alders	Grass Cover	Damp	Good	Sand
1677571	60	C	Pronounced Slo	Dark Brown	Willows	Sphagnum Moss < 30cm	Damp	Good	Sand
1677572	90	C	Pronounced Slo	Dark Brown	Alders	Leaf Cover	Damp	Good	Sand
1677573	50	B	Pronounced Slo	Dark Grey Black	Alders	Sphagnum Moss < 30cm	Damp	Good	Sand
1677574	50	C	Pronounced Slo	Grey	Alders	Sphagnum Moss < 30cm	Damp	Good	Sand
1677575									
1677576	80	C	Pronounced Slo	Grey	Alders	Leaf Cover	Damp	Good	Sand
1677577	50	C	Pronounced Slo	Chocolate Brow	Alders	Leaf Cover	Damp	Good	Gravel
1677578	50	C	Pronounced Slo	Chocolate Brow	Alders	Leaf Cover	Damp	Good	Sand
1677579	60	B	Pronounced Slo	Dark Brown	Alders	Sphagnum Moss < 30cm	Damp	Good	Sand
1677580	50	B	Pronounced Slo	Dark Grey Black	Alders	Sphagnum Moss < 30cm	Damp	Good	Clay
1677581	50	C	Pronounced Slo	Chocolate Brow	Alders	Grass Cover	Damp	Good	Sand
1677582	50	B	Steep	Chocolate Brow	Alders	Thin Moss Cover	Damp	Good	Sand
1676476	50	B	Pronounced Slo	Chocolate Brow	Birch Forest	Leaf Cover	Damp	Good	Clay
1676477	60	B	Pronounced Slo	Dark Brown	Birch Forest	Grass Cover	Damp	Good	Silt
1676478	40	B	Pronounced Slo	Reddish Brown	Birch Forest	Leaf Cover	Damp	Good	Silt
1676479	50	B	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Silt
1676480	70	C	Subtle Slope	Chocolate Brow	Birch Forest	Leaf Cover	Damp	Excellent	Silt
1676481	60	C	Subtle Slope	Chocolate Brow	White Spruce	Thin Moss Cover	Damp	Excellent	Silt
1676482	80	C	Steep	Chocolate Brow	White Spruce	Grass Cover	Damp	Good	Clay
1676483	50	B	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Clay
1676484	60	B	Pronounced Slo	Dark Brown	Birch Forest	Grass Cover	Damp	Good	Silt
1676485	60	C	Pronounced Slo	Chocolate Brow	Old Burn	Grass Cover	Damp	Excellent	Silt
1676486	60	C	Pronounced Slo	Dark Brown	Birch Forest	Grass Cover	Damp	Good	Silt
1676487	80	C	Pronounced Slo	Dark Brown	Birch Forest	Grass Cover	Damp	Good	Silt
1676488	80	B	Pronounced Slo	Dark Brown	Old Burn	Grass Cover	Damp	Poor	Silt

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1677563	Rusty Rock Chip,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677564	Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677565	Rusty Rock Chip,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677566	Rusty Rock Chip,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677567	Rusty Rock Chip,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677568	Rocky Sample,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677569	Coarse,Rocky Sample,Rocky Terrain,Rusty Rock Chip			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677570	Rusty Rock Chip,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677571	Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677572	Rusty Rock Chip,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677573	Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677574	Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677575				'00116626	1677574	Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677576	Rusty Rock Chip,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677577	Coarse,Rocky Sample,Rusty Rock Chip			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677578	Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677579	Clay,Sandy			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677580	Clay,Frozen			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677581	Coarse			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677582	Rocky Terrain,Sandy,Talus			'00116626		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1676476	Fine,Organic 10%,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1676477	Clay,Fine,Organic 10%,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1676478	Clay,Fine,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1676479	Fine,Organic 10%,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1676480	Bright Orange Rust,Clay,Fine,Rocky Terrain,Sandy			'00116628		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1676481	Clay,Fine,Rocky Terrain,Sandy			'00116628		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1676482	Clay,Fine,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1676483	Clay,Fine,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1676484	Clay,Fine,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1676485	Bright Orange Rust,Clay,Fine,Rocky Sample,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1676486	Fine,Rocky Sample,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1676487	Fine,Organic 10%,Rocky Sample,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1676488	Fine,Organic 25%,Rocky Sample,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold Co	WHI18000760

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1677563	9/13/2018	8/27/2018	0.8	38.4	6.6	63	0.05	34.4	19	789	4.06	8.5	0.5
1677564	9/13/2018	8/27/2018	0.5	31.7	5.8	48	0.05	25.2	13.9	474	3.01	7.7	1.1
1677565	9/13/2018	8/27/2018	0.4	38.5	6.7	44	0.05	26.4	13.3	471	2.75	8.6	1.4
1677566	9/13/2018	8/27/2018	0.6	30.7	8.5	48	0.1	22.4	13.2	569	2.9	23.1	1
1677567	9/13/2018	8/27/2018	0.6	15	32.7	38	0.2	14	7.8	721	1.88	38.2	0.6
1677568	9/13/2018	8/27/2018	1.2	23.5	17.5	59	0.2	28.1	15	491	3.26	25.6	0.9
1677569	9/13/2018	8/27/2018	1.8	36.8	9.3	71	0.1	31.4	20.5	1503	4.53	12.2	0.9
1677570	9/13/2018	8/27/2018	0.8	53.6	6.7	54	0.05	35.2	19.1	714	3.63	10.4	0.4
1677571	9/13/2018	8/27/2018	0.4	29.7	6.2	66	0.05	32.2	17.2	717	2.77	10.5	0.6
1677572	9/13/2018	8/27/2018	0.4	32.6	4.6	53	0.05	30.1	15.6	579	2.68	6.2	0.6
1677573	9/13/2018	8/27/2018	0.2	43.6	4.5	51	0.05	27.2	13.1	506	2.34	3.8	0.7
1677574	9/13/2018	8/27/2018	0.5	39.3	4.9	46	0.05	25.1	17.4	499	2.79	16.6	0.6
1677575	9/13/2018	8/27/2018	0.5	37.6	4.9	45	0.05	23.4	18.6	468	2.48	15.9	0.6
1677576	9/13/2018	8/27/2018	1.5	62.9	16.2	89	0.3	37.2	17.5	978	3.06	25.1	0.6
1677577	9/13/2018	8/27/2018	0.6	34.9	7.5	45	0.05	32.7	12.6	516	2.71	11	0.5
1677578	9/13/2018	8/27/2018	0.8	34.6	7.1	60	0.05	34.3	17.8	480	3.04	9.5	0.6
1677579	9/13/2018	8/27/2018	0.4	45.9	4.9	48	0.05	29.1	11.3	426	2.29	6.5	0.9
1677580	9/13/2018	8/27/2018	0.5	37.8	4.2	52	0.05	14.3	10.5	310	1.81	4.7	0.5
1677581	9/13/2018	8/27/2018	0.8	93.5	6	52	0.1	33.5	19.5	527	3.62	11.9	0.8
1677582	9/13/2018	8/27/2018	0.8	71.6	5.4	56	0.05	35.1	18.4	478	3.63	6.7	0.5
1676476	9/14/2018	8/27/2018	0.8	19.8	4.2	19	0.05	10.4	5.8	68	1.37	4.8	0.3
1676477	9/14/2018	8/27/2018	1	47.2	4.3	26	0.2	19	10.3	987	1.67	5.2	0.6
1676478	9/14/2018	8/27/2018	1.5	17.6	7.6	42	0.05	18.5	9.1	174	2.89	9.1	0.3
1676479	9/14/2018	8/27/2018	0.9	51.5	6.4	48	0.2	26.6	13.5	287	2.54	12.1	0.8
1676480	9/14/2018	8/27/2018	0.8	30.9	6.9	54	0.05	30.2	16.6	408	3.32	8.3	0.5
1676481	9/14/2018	8/27/2018	0.8	32.6	8.3	50	0.05	30.3	14.9	423	3	7.3	0.8
1676482	9/14/2018	8/27/2018	0.7	42.9	7.4	51	0.1	27.8	17.4	628	2.74	6.5	0.7
1676483	9/14/2018	8/27/2018	1.2	35.5	8.6	56	0.05	36.8	16.4	463	2.95	8.5	0.8
1676484	9/14/2018	8/27/2018	1	45.3	7.7	58	0.1	38.1	15.7	652	2.71	8	0.9
1676485	9/14/2018	8/27/2018	1	42	7.1	56	0.1	38.2	18.3	684	3.11	8	0.9
1676486	9/14/2018	8/27/2018	0.9	56.1	7.3	67	0.2	38	19.3	959	3.56	8.1	1.4
1676487	9/14/2018	8/27/2018	0.9	52.3	5.3	49	0.1	42.7	16.4	625	3.08	30.6	1
1676488	9/14/2018	8/27/2018	0.7	35.2	6.2	43	0.05	33.1	16.8	464	3.03	15.6	0.6

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1677563	3.4	2.4	46	0.1	0.6	0.05	104	0.83	0.048	15	46	1.04	146
1677564	2.6	2.2	47	0.2	0.5	0.1	75	0.95	0.057	13	34	0.85	152
1677565	7.5	2	68	0.1	0.6	0.1	69	1.44	0.064	13	34	0.77	151
1677566	8.6	2.4	51	0.2	0.6	0.1	70	1.09	0.069	12	31	0.74	158
1677567	1.8	10.8	22	0.1	1.2	0.3	34	0.35	0.031	23	18	0.24	148
1677568	2.4	7.5	34	0.2	0.8	0.2	67	0.55	0.032	15	40	0.6	130
1677569	4.1	2.9	33	0.3	0.9	0.1	102	0.73	0.056	23	43	0.8	189
1677570	4.9	2.3	58	0.2	0.6	0.1	96	1.33	0.047	14	40	0.79	180
1677571	2.8	2.2	53	0.2	1	0.05	68	1.25	0.092	13	43	0.81	141
1677572	2.9	1.7	53	0.1	0.7	0.05	70	1.41	0.082	11	43	0.75	120
1677573	5.9	1.3	64	0.2	0.8	0.05	62	1.78	0.073	11	35	0.77	132
1677574	6.6	1.6	56	0.05	1.3	0.05	80	1.5	0.063	11	33	0.72	115
1677575	5.6	1.4	57	0.1	1.2	0.05	64	1.39	0.069	11	33	0.63	118
1677576	9.4	3.4	53	0.9	1.6	0.2	80	0.89	0.088	15	34	0.75	154
1677577	4.1	1.6	50	0.3	1	0.1	71	1.01	0.047	12	44	0.66	167
1677578	4.9	2.4	45	0.2	0.7	0.1	78	0.8	0.06	12	44	0.69	181
1677579	3.5	1.7	59	0.2	0.5	0.05	58	1.2	0.072	12	32	0.62	159
1677580	1.6	1	52	0.1	0.5	0.05	46	1.42	0.057	7	26	0.47	105
1677581	2.3	1.9	50	0.2	0.8	0.1	103	1.24	0.05	11	51	0.76	162
1677582	1	1.8	31	0.1	0.5	0.1	93	0.58	0.038	8	49	0.8	138
1676476	1.4	0.9	15	0.05	0.2	0.05	43	0.2	0.023	5	20	0.19	65
1676477	2.4	0.4	55	0.2	0.5	0.1	43	1.4	0.102	11	26	0.31	173
1676478	4.7	1.3	16	0.1	0.4	0.1	91	0.22	0.035	6	34	0.43	103
1676479	2.4	1.6	38	0.2	0.8	0.1	71	0.75	0.064	12	40	0.59	172
1676480	11.5	2.7	33	0.05	0.4	0.3	85	0.53	0.057	11	53	0.82	172
1676481	3	2.4	35	0.05	0.3	0.1	78	0.59	0.047	11	52	0.7	191
1676482	4.9	1.9	34	0.2	0.3	0.1	71	0.61	0.06	10	39	0.63	187
1676483	1.9	2.5	31	0.2	0.5	0.1	73	0.56	0.043	10	63	0.72	212
1676484	2.1	1.3	51	0.3	0.5	0.1	69	1.14	0.078	11	53	0.73	207
1676485	4.2	1.5	50	0.3	0.5	0.2	80	0.91	0.068	11	56	0.82	189
1676486	2.2	1.4	59	0.3	0.6	0.1	86	1.39	0.096	17	49	1.15	178
1676487	3.3	0.9	82	0.2	0.7	0.1	74	2.23	0.077	12	53	1.01	127
1676488	2.4	1.3	58	0.4	0.6	0.1	86	1.15	0.041	12	46	0.76	101

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1677563	0.143	2	2.14	0.037	0.06	0.05	0.04	9.7	0.05	0.025	8	0.25	0.1
1677564	0.107	2	2	0.034	0.08	0.05	0.04	5.9	0.05	0.025	6	0.25	0.1
1677565	0.087	2	1.94	0.035	0.09	0.05	0.05	6.3	0.05	0.025	6	0.7	0.1
1677566	0.096	2	1.81	0.031	0.1	0.05	0.04	5.3	0.05	0.025	5	0.25	0.1
1677567	0.028	1	1.03	0.01	0.24	0.05	0.02	3.4	0.1	0.025	3	0.25	0.1
1677568	0.069	2	1.88	0.02	0.15	0.05	0.02	5.8	0.1	0.025	6	0.25	0.1
1677569	0.091	2	3.09	0.022	0.12	0.05	0.03	11.3	0.1	0.025	10	0.25	0.1
1677570	0.103	4	2.09	0.042	0.09	0.05	0.04	7.7	0.05	0.025	7	0.6	0.1
1677571	0.072	2	1.59	0.03	0.08	0.05	0.04	6.8	0.05	0.025	6	0.25	0.1
1677572	0.111	2	1.71	0.037	0.05	0.1	0.03	6	0.05	0.025	6	0.25	0.1
1677573	0.087	3	1.78	0.032	0.06	0.05	0.04	6.6	0.05	0.025	5	0.6	0.1
1677574	0.108	3	1.72	0.038	0.06	0.2	0.04	6	0.05	0.025	5	0.25	0.1
1677575	0.089	3	1.56	0.03	0.06	0.1	0.04	5.4	0.05	0.025	5	0.25	0.1
1677576	0.088	2	1.82	0.032	0.06	0.1	0.04	6.3	0.1	0.025	6	0.25	0.1
1677577	0.096	3	1.93	0.029	0.07	0.1	0.03	5.1	0.05	0.025	6	0.25	0.1
1677578	0.111	2	1.92	0.028	0.06	0.05	0.02	5.8	0.05	0.025	6	0.25	0.1
1677579	0.079	2	1.46	0.035	0.05	0.1	0.03	4.6	0.05	0.025	4	0.25	0.1
1677580	0.06	2	1.04	0.03	0.05	0.1	0.05	4.3	0.05	0.11	4	0.25	0.1
1677581	0.079	3	2.55	0.028	0.05	0.05	0.04	8.4	0.1	0.025	7	0.25	0.1
1677582	0.101	2	2.14	0.027	0.05	0.05	0.04	5.8	0.05	0.025	6	0.25	0.1
1676476	0.053	1	1.02	0.017	0.03	0.05	0.02	1.9	0.05	0.025	4	0.25	0.1
1676477	0.032	2	1.22	0.021	0.03	0.1	0.07	3.8	0.05	0.09	4	0.8	0.1
1676478	0.092	1	1.62	0.013	0.04	0.05	0.02	2.8	0.05	0.025	8	0.25	0.1
1676479	0.069	1	2.06	0.025	0.03	0.1	0.04	5.4	0.1	0.025	6	0.5	0.1
1676480	0.129	1	2.14	0.021	0.03	0.1	0.02	5.9	0.1	0.025	6	0.25	0.1
1676481	0.11	1	1.88	0.023	0.03	0.05	0.03	6.7	0.05	0.025	6	0.25	0.1
1676482	0.094	0.5	1.91	0.027	0.03	0.1	0.03	5.6	0.05	0.025	6	0.25	0.1
1676483	0.096	1	1.95	0.019	0.05	0.05	0.02	6.2	0.05	0.025	7	0.25	0.1
1676484	0.072	2	1.96	0.024	0.05	0.1	0.04	6	0.05	0.025	6	0.25	0.1
1676485	0.082	2	1.94	0.023	0.05	0.1	0.04	5.8	0.05	0.025	6	0.5	0.1
1676486	0.059	2	2.36	0.024	0.07	0.05	0.06	7.3	0.05	0.025	7	0.7	0.1
1676487	0.05	3	1.82	0.022	0.08	0.05	0.05	7.7	0.05	0.07	6	0.8	0.1
1676488	0.063	2	1.82	0.029	0.06	0.05	0.03	7.5	0.05	0.025	7	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1676489	WEL	Alexander Arbery	8/10/2018	07N	558686	6933717	-139.8596604	62.52976542	879	Auger
1676490	WEL	Alexander Arbery	8/10/2018	07N	558720	6933682	-139.8590119	62.52944594	850	Auger
1676491	WEL	Alexander Arbery	8/10/2018	07N	558757	6933647	-139.8583051	62.52912598	823	Auger
1676492	WEL	Alexander Arbery	8/10/2018	07N	558793	6933614	-139.8576171	62.52882412	832	Auger
1676493	WEL	Alexander Arbery	8/10/2018	07N	558827	6933579	-139.8569687	62.52850462	837	Auger
1676494	WEL	Alexander Arbery	8/10/2018	07N	558864	6933542	-139.8562626	62.5281667	852	Auger
1676495	WEL	Alexander Arbery	8/10/2018	07N	558900	6933508	-139.855575	62.52785586	834	Auger
1676496	WEL	Alexander Arbery	8/10/2018	07N	558936	6933472	-139.8548881	62.52752706	859	Auger
1676497	WEL	Alexander Arbery	8/10/2018	07N	558970	6933439	-139.854239	62.5272255	863	Auger
1676498	WEL	Alexander Arbery	8/10/2018	07N	559006	6933403	-139.8535522	62.5268967	854	Auger
1676499	WEL	Alexander Arbery	8/10/2018	07N	559041	6933367	-139.8528847	62.52656806	828	Auger
1676500	WEL	Alexander Arbery	8/10/2018	07N	559041	6933367	-139.8528847	62.52656806	828	
1678526	WEL	Alexander Arbery	8/10/2018	07N	559077	6933332	-139.8521975	62.52624822	843	Auger
1678527	WEL	Alexander Arbery	8/10/2018	07N	559113	6933299	-139.8515096	62.52594633	860	Auger
1678528	WEL	Alexander Arbery	8/10/2018	07N	559148	6933263	-139.8508422	62.52561768	799	Auger
1678529	WEL	Alexander Arbery	8/10/2018	07N	559221	6933194	-139.8494482	62.5249868	758	Auger
1678530	WEL	Alexander Arbery	8/10/2018	07N	559185	6933228	-139.8501357	62.52529767	790	Auger
1678531	WEL	Alexander Arbery	8/10/2018	07N	559258	6933157	-139.8487423	62.52464884	751	Auger
1678532	WEL	Alexander Arbery	8/10/2018	07N	559293	6933123	-139.8480743	62.52433812	828	Auger
1679612	WEL	Brendan Cooper	8/10/2018	07N	558150	6934100	-139.8699428	62.53328708	1084	Auger
1679613	WEL	Brendan Cooper	8/10/2018	07N	558186	6934066	-139.869255	62.53297631	1100	Auger
1679614	WEL	Brendan Cooper	8/10/2018	07N	558222	6934031	-139.8685674	62.53265655	1083	Auger
1679615	WEL	Brendan Cooper	8/10/2018	07N	558257	6933996	-139.8678994	62.53233695	1063	Mattock
1679616	WEL	Brendan Cooper	8/10/2018	07N	558294	6933960	-139.8671928	62.53200806	1052	Auger
1679617	WEL	Brendan Cooper	8/10/2018	07N	558328	6933926	-139.8665438	62.53169758	1019	Auger
1679618	WEL	Brendan Cooper	8/10/2018	07N	558365	6933891	-139.8658369	62.53137766	1017	Auger
1679619	WEL	Brendan Cooper	8/10/2018	07N	558400	6933857	-139.8651686	62.53106702	998	Auger
1679620	WEL	Brendan Cooper	8/10/2018	07N	558437	6933820	-139.8644624	62.53072914	983	Mattock
1679621	WEL	Brendan Cooper	8/10/2018	07N	558473	6933786	-139.8637746	62.53041833	971	Auger
1679622	WEL	Brendan Cooper	8/10/2018	07N	558507	6933751	-139.8631261	62.53009887	942	Auger
1679623	WEL	Brendan Cooper	8/10/2018	07N	558545	6933715	-139.8624002	62.52976979	912	Auger
1679624	WEL	Brendan Cooper	8/10/2018	07N	558578	6933682	-139.8617704	62.52946843	915	Auger
1679625	WEL	Brendan Cooper	8/10/2018	07N	558578	6933682	-139.8617704	62.52946843	915	

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1676489	60	B	Pronounced Slo	Dark Brown	Old Burn	Grass Cover	Damp	Good	Silt
1676490	50	B	Pronounced Slo	Dark Brown	Alders	Grass Cover	Damp	Poor	Silt
1676491	90	C	Pronounced Slo	Dark Brown	Alders	Grass Cover	Damp	Good	Silt
1676492	60	B	Pronounced Slo	Dark Brown	Alders	Leaf Cover	Damp	Poor	Silt
1676493	60	B	Pronounced Slo	Dark Brown	Alders	Grass Cover	Damp	Good	Silt
1676494	50	B	Pronounced Slo	Chocolate Brow	Old Burn	Thin Moss Cover	Damp	Good	Silt
1676495	50	C	Pronounced Slo	Reddish Yellow	Birch Forest	Thin Moss Cover	Damp	Good	Silt
1676496	60	C	Pronounced Slo	Chocolate Brow	Black Spruce	Thin Moss Cover	Damp	Good	Silt
1676497	80	C	Pronounced Slo	Chocolate Brow	Black Spruce	Reindeer Moss	Damp	Excellent	Sand
1676498	50	B	Pronounced Slo	Chocolate Brow	Birch Forest	Thin Moss Cover	Damp	Good	Silt
1676499	50	B	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Silt
1676500									
1678526	40	B	Subtle Slope	Chocolate Brow	Birch Forest	Thin Moss Cover	Damp	Good	Silt
1678527	70	C	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Sand
1678528	70	B	Pronounced Slo	Dark Brown	Willows	Grass Cover	Damp	Good	Silt
1678529	60	B	Pronounced Slo	Dark Brown	Willows	Thin Moss Cover	Damp	Good	Silt
1678530	50	B	Pronounced Slo	Chocolate Brow	Birch Forest	Sphagnum Moss > 30cm	Damp	Good	Silt
1678531	70	B	Pronounced Slo	Dark Grey Black	Black Spruce	Reindeer Moss	Damp	Poor	Silt
1678532	70	B	Pronounced Slo	Dark Grey Black	Black Spruce	Thin Moss Cover	Damp	Poor	Silt
1679612	40	C	Subtle Slope	Chocolate Brow	Alders	Thin Moss Cover	Damp	Good	Silt
1679613	40	C	Pronounced Slo	Chocolate Brow	Birch Forest	Leaf Cover	Damp	Good	Silt
1679614	30	C	Subtle Slope	Chocolate Brow	Birch Forest	Bare Soil	Dry	Good	Silt
1679615	30	B	Subtle Slope	Dark Brown	Old Burn	Thin Moss Cover	Damp	Good	Silt
1679616	60	C	Subtle Slope	Chocolate Brow	Dwarf Birch	Grass Cover	Damp	Good	Silt
1679617	60	C	Pronounced Slo	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Clay
1679618	40	C	Pronounced Slo	Chocolate Brow	White Spruce	Grass Cover	Damp	Good	Clay
1679619	60	C	Pronounced Slo	Chocolate Brow	White Spruce	Grass Cover	Damp	Good	Clay
1679620	30	B	Pronounced Slo	Chocolate Brow	Alders	Grass Cover	Damp	Good	Silt
1679621	50	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Grass Cover	Damp	Good	Silt
1679622	60	B	Pronounced Slo	Dark Brown	Dwarf Birch	Grass Cover	Dry	Poor	Clay
1679623	80	B	Pronounced Slo	Dark Brown	Dwarf Birch	Leaf Cover	Damp	Poor	Clay
1679624	60	B	Pronounced Slo	Dark Brown	Dwarf Birch	Grass Cover	Damp	Good	Silt
1679625									

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1676489	Fine,Organic 10%,Rocky Terrain,Sandy			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1676490	Clay,Fine,Organic 10%,Possible Creek Contamination,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1676491	Clay,Fine,Possible Creek Contamination,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1676492	Fine,Possible Creek Contamination			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1676493	Clay,Rocky Sample,Rocky Terrain,Sandy			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1676494	Clay,Fine,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1676495	Bright Orange Rust,Clay,Fine,Rocky Sample,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1676496	Bright Orange Rust,Clay,Rocky Sample,Rocky Terrain,Rusty Rock Chi			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1676497	Bright Orange Rust,Fine,Rocky Sample,Rocky Terrain,Rusty Rock Chi			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1676498	Clay,Fine,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1676499	Fine,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1676500				'00116628	1676499	Soil	WEL-20180816-0	White Gold C	WHI18000760
1678526	Clay,Fine,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678527	Fine,Sandy			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678528	Fine,Organic 10%			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678529	Clay,Fine,Possible Creek Contamination			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678530	Fine,Partially Frozen,Possible Creek Contamination			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678531	Organic 10%,Partially Frozen,Rocky Sample,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678532	Fine,Organic 10%,Rocky Terrain			'00116628		Soil	WEL-20180816-0	White Gold C	WHI18000760
1679612	Clay,Coarse,Outcrop Nearby,Sandy,Talus			'00116627		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679613	Clay,Coarse,Rocky Sample,Sandy,Talus			'00116627		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679614	Clay,Coarse,Rocky Sample,Rocky Terrain,Talus			'00116627		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679615	Clay,Coarse,Rocky Sample,Sandy,Talus			'00116627		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679616	Clay,Coarse,Rocky Sample,Sandy			'00116627		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679617	Clay,Coarse,Rocky Sample,Sandy			'00116627		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679618	Clay,Coarse,Rocky Sample,Sandy			'00116627		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679619	Clay,Coarse,Rocky Sample,Sandy			'00116627		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679620	Clay,Coarse,Organic 10%,Rocky Sample,Sandy,Talus			'00116627		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679621	Clay,Sandy			'00116627		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679622	Clay,Coarse,Sandy			'00116627		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679623	Clay,Coarse,Rocky Sample			'00116627		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679624	Clay,Coarse,Rocky Sample,Sandy			'00116627		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679625				'00116627	1679624	Soil	WEL-20180816-0	White Gold C	WHI18000759

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1676489	9/14/2018	8/27/2018	0.7	54.2	5.9	55	0.05	59	20.4	586	3.94	25.4	0.4
1676490	9/14/2018	8/27/2018	0.8	30.5	5.7	55	0.1	23.3	12.1	531	2.31	7.2	0.6
1676491	9/14/2018	8/27/2018	0.5	31.2	7.4	55	0.05	25.8	12.8	535	2.55	6.8	0.8
1676492	9/14/2018	8/27/2018	0.6	25.9	6.9	50	0.05	24.8	12.1	495	2.31	6.7	0.6
1676493	9/14/2018	8/27/2018	0.6	23.7	14.4	61	0.1	25.3	13.8	654	2.66	13.8	1.6
1676494	9/14/2018	8/27/2018	0.7	14.6	23.4	41	0.3	13.4	7.2	238	1.7	12.4	1.2
1676495	9/14/2018	8/27/2018	0.6	12.2	17.1	47	0.05	17	10.3	386	2.22	10.7	0.7
1676496	9/14/2018	8/27/2018	0.5	9.2	17	22	0.1	6.3	4.6	167	1.03	7.5	0.5
1676497	9/14/2018	8/27/2018	0.5	25.5	7	40	0.1	24.7	13.4	467	1.9	11.3	0.9
1676498	9/14/2018	8/27/2018	1	19.5	6.6	43	0.05	19.2	11.6	320	2.91	13.7	0.4
1676499	9/14/2018	8/27/2018	0.7	34.3	9.1	59	0.2	22.8	13.6	869	2.73	11.8	0.6
1676500	9/14/2018	8/27/2018	0.6	27.7	7.5	45	0.1	19.6	11.6	606	2.62	10.8	0.5
1678526	9/14/2018	8/27/2018	0.7	50.3	8.4	39	0.1	23.3	12.6	579	2.48	8	0.9
1678527	9/14/2018	8/27/2018	0.5	36.1	7.5	45	0.05	18.9	11.6	529	2.78	11.9	0.6
1678528	9/14/2018	8/27/2018	0.5	45	7	53	0.1	20.3	11.9	539	3.08	13.9	0.7
1678529	9/14/2018	8/27/2018	0.8	48.9	6.2	52	0.1	24.9	13.6	721	2.6	14.6	1.1
1678530	9/14/2018	8/27/2018	1	36	7.6	72	0.1	22.1	13	910	2.4	9.3	0.7
1678531	9/14/2018	8/27/2018	0.5	38.2	4.4	46	0.05	21	12.2	488	2.06	5.4	0.7
1678532	9/14/2018	8/27/2018	0.4	53.4	4.3	34	0.05	23.7	10.6	424	2.13	6.9	0.5
1679612	9/13/2018	8/27/2018	1.4	43.3	6.9	71	0.05	47.8	20.3	549	4.71	13.5	0.6
1679613	9/13/2018	8/27/2018	1.3	29.4	5.9	55	0.1	26.6	12.3	320	2.92	8.2	0.4
1679614	9/13/2018	8/27/2018	1.4	34.2	6.5	56	0.05	32.2	14.3	361	3.74	9.8	0.5
1679615	9/13/2018	8/27/2018	1.1	67.9	13.5	78	1.3	36.5	19.3	645	3.32	11.6	0.8
1679616	9/13/2018	8/27/2018	0.9	49.6	10.4	63	0.05	39.6	15.8	550	3.76	8.6	0.8
1679617	9/13/2018	8/27/2018	0.9	40.1	6.9	63	0.05	30.6	17.1	544	3.55	8.2	0.7
1679618	9/13/2018	8/27/2018	1	31.9	7.8	69	0.05	32.4	16.8	476	3.5	9.5	0.6
1679619	9/13/2018	8/27/2018	0.7	37.8	7.1	76	0.05	32.8	17.3	711	3.68	9	0.7
1679620	9/13/2018	8/27/2018	0.9	33.3	7.8	79	0.1	32.5	16.6	546	3.33	8	0.6
1679621	9/13/2018	8/27/2018	0.7	51	6.9	59	0.1	36.9	15	583	2.91	6.4	1
1679622	9/13/2018	8/27/2018	1	38.6	6.5	72	0.2	25.6	13.2	800	2.47	6.8	0.8
1679623	9/13/2018	8/27/2018	0.7	33.9	6	51	0.1	26.9	11.2	604	2.12	5.4	0.7
1679624	9/13/2018	8/27/2018	0.6	27.9	7.7	58	0.1	23.2	13	832	2.69	7.8	0.7
1679625	9/13/2018	8/27/2018	0.5	26.6	7.4	61	0.1	22.6	12.8	827	2.52	7.2	0.7

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1676489	3.3	1.3	83	0.2	0.7	0.05	87	1.75	0.082	13	73	1.4	122
1676490	1.1	0.8	78	0.3	0.6	0.05	50	1.71	0.079	10	33	0.71	154
1676491	3	1.7	64	0.2	0.6	0.2	57	1.35	0.072	11	35	0.71	165
1676492	3.3	1.3	65	0.3	0.5	0.2	51	1.45	0.071	10	33	0.69	138
1676493	5.9	4	50	0.2	0.6	0.2	59	0.98	0.089	18	33	0.58	209
1676494	4.4	1.8	28	0.2	0.4	0.2	38	0.37	0.073	11	21	0.33	107
1676495	0.8	4.7	20	0.1	0.4	0.2	54	0.26	0.049	14	23	0.34	141
1676496	0.9	0.6	14	0.05	0.3	0.2	26	0.18	0.046	7	15	0.15	59
1676497	3.3	0.8	47	0.3	0.7	0.1	47	0.78	0.066	15	24	0.29	127
1676498	2.2	1.4	27	0.1	0.7	0.1	73	0.42	0.028	8	30	0.53	164
1676499	5.1	1.8	46	0.4	0.7	0.1	64	0.98	0.052	13	32	0.6	170
1676500	4.5	1.7	38	0.2	0.7	0.1	61	0.8	0.037	11	28	0.5	153
1678526	3.7	2	33	0.2	0.6	0.2	61	0.53	0.022	16	30	0.42	136
1678527	2.8	1.6	44	0.2	0.7	0.05	67	0.94	0.043	11	26	0.61	117
1678528	2.5	1.2	74	0.2	0.8	0.05	64	1.66	0.078	13	25	0.72	190
1678529	4.1	1.1	91	0.3	0.9	0.05	56	1.63	0.072	13	33	0.58	256
1678530	4.1	1.5	55	0.3	0.9	0.1	60	0.94	0.078	11	31	0.65	162
1678531	7.6	0.8	83	0.2	0.7	0.2	52	1.72	0.065	9	30	0.65	136
1678532	7	0.6	90	0.1	0.7	0.05	52	1.88	0.064	8	36	0.67	135
1679612	5.5	2.4	31	0.2	0.5	0.1	118	0.47	0.074	10	60	0.9	198
1679613	3.9	1.4	26	0.05	0.4	0.1	89	0.38	0.042	7	42	0.58	122
1679614	8.1	2.2	31	0.1	0.4	0.1	102	0.51	0.055	10	48	0.73	134
1679615	7.8	1.4	44	0.7	0.7	0.1	96	0.8	0.076	14	50	0.73	188
1679616	3.7	3	47	0.1	0.6	0.1	106	0.85	0.075	16	71	0.94	195
1679617	5.3	2.8	42	0.2	0.4	0.1	101	0.68	0.059	13	57	0.87	204
1679618	2.7	2.9	46	0.1	0.5	0.1	101	0.77	0.068	12	56	0.89	191
1679619	4.9	2.5	47	0.2	0.5	0.05	96	0.84	0.098	15	53	0.9	201
1679620	1.7	2.4	45	0.2	0.4	0.1	96	0.71	0.063	12	52	0.88	188
1679621	4	1.7	70	0.2	0.6	0.1	80	1.27	0.081	17	51	0.78	267
1679622	2.7	1	71	0.3	0.5	0.1	61	1.29	0.083	12	37	0.58	297
1679623	2.1	0.8	79	0.3	0.5	0.1	50	1.6	0.07	11	34	0.55	200
1679624	3.3	1.6	72	0.3	0.8	0.05	53	1.68	0.085	14	29	0.6	185
1679625	3	1.6	73	0.2	1	0.05	57	1.67	0.089	15	31	0.66	177

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1676489	0.069	3	2.23	0.027	0.1	0.05	0.04	8	0.05	0.025	7	0.6	0.1
1676490	0.049	3	1.43	0.017	0.06	0.05	0.05	4.8	0.05	0.06	5	0.6	0.1
1676491	0.054	2	1.58	0.018	0.08	0.05	0.04	5.3	0.05	0.025	5	0.25	0.1
1676492	0.054	3	1.49	0.021	0.07	0.05	0.03	4.3	0.05	0.06	5	0.25	0.1
1676493	0.058	1	1.83	0.022	0.14	0.05	0.03	6	0.1	0.025	6	0.25	0.1
1676494	0.034	1	1.33	0.017	0.11	0.05	0.05	3.2	0.1	0.025	6	0.25	0.1
1676495	0.064	1	1.46	0.018	0.1	0.05	0.02	3	0.05	0.025	5	0.25	0.1
1676496	0.03	0.5	0.84	0.013	0.07	0.05	0.02	1.5	0.1	0.025	5	0.25	0.1
1676497	0.028	1	1.28	0.019	0.06	0.05	0.04	4.8	0.1	0.025	5	0.25	0.1
1676498	0.094	0.5	1.99	0.016	0.03	0.1	0.03	3.7	0.1	0.025	6	0.25	0.1
1676499	0.071	3	1.87	0.036	0.07	0.1	0.04	5.9	0.05	0.025	6	0.25	0.1
1676500	0.071	1	1.89	0.031	0.06	0.1	0.02	4.7	0.05	0.025	6	0.25	0.1
1678526	0.073	2	1.49	0.028	0.04	0.05	0.02	4.7	0.05	0.025	6	0.25	0.1
1678527	0.07	2	1.6	0.034	0.05	0.05	0.03	4.9	0.05	0.025	6	0.25	0.1
1678528	0.059	3	1.69	0.031	0.09	0.05	0.03	5.4	0.05	0.025	6	0.6	0.1
1678529	0.06	2	1.59	0.03	0.05	0.05	0.04	5.5	0.05	0.025	5	0.7	0.1
1678530	0.076	2	1.63	0.033	0.06	0.1	0.04	5.1	0.05	0.025	5	0.25	0.1
1678531	0.047	4	1.27	0.023	0.03	0.05	0.04	5	0.05	0.05	4	0.5	0.1
1678532	0.038	2	1.58	0.02	0.04	0.05	0.04	6.4	0.05	0.07	4	0.25	0.1
1679612	0.189	2	3.12	0.023	0.05	0.2	0.02	6.2	0.05	0.025	8	0.25	0.1
1679613	0.148	2	1.68	0.024	0.05	0.1	0.02	4	0.05	0.025	7	0.25	0.1
1679614	0.169	2	2.55	0.027	0.06	0.1	0.02	5.5	0.1	0.025	7	0.25	0.1
1679615	0.143	2	2.56	0.035	0.06	0.1	0.04	6.3	0.1	0.025	7	0.25	0.1
1679616	0.201	2	2.49	0.04	0.05	0.2	0.02	8.8	0.05	0.025	7	0.25	0.1
1679617	0.179	2	2.61	0.034	0.06	0.1	0.03	7.1	0.05	0.025	7	0.25	0.1
1679618	0.176	2	2.46	0.038	0.06	0.1	0.02	6.5	0.05	0.025	7	0.25	0.1
1679619	0.16	2	2.3	0.038	0.09	0.1	0.02	7.6	0.05	0.025	7	0.25	0.1
1679620	0.167	3	2.53	0.038	0.08	0.1	0.03	6.7	0.05	0.025	7	0.25	0.1
1679621	0.134	3	2.3	0.037	0.07	0.05	0.05	7.8	0.05	0.07	6	0.25	0.1
1679622	0.072	2	1.71	0.024	0.08	0.05	0.05	5.6	0.05	0.05	5	0.6	0.1
1679623	0.056	4	1.42	0.022	0.06	0.05	0.05	5.4	0.05	0.025	4	0.6	0.1
1679624	0.068	3	1.57	0.024	0.09	0.05	0.04	5.6	0.05	0.06	5	0.5	0.1
1679625	0.07	3	1.71	0.025	0.11	0.05	0.04	5.9	0.05	0.06	5	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1679626	WEL	Brendan Cooper	8/10/2018	07N	558616	6933646	-139.8610445	62.52913935	916	Auger
1679627	WEL	Brendan Cooper	8/10/2018	07N	558650	6933611	-139.8603961	62.52881987	883	Auger
1679628	WEL	Brendan Cooper	8/10/2018	07N	558686	6933576	-139.8597087	62.52850007	870	Auger
1679629	WEL	Brendan Cooper	8/10/2018	07N	558720	6933542	-139.8590599	62.52818956	865	Auger
1679630	WEL	Brendan Cooper	8/10/2018	07N	558757	6933506	-139.8583535	62.52786063	872	Auger
1679631	WEL	Brendan Cooper	8/10/2018	07N	558793	6933471	-139.8576663	62.52754082	859	Auger
1679632	WEL	Brendan Cooper	8/10/2018	07N	558829	6933437	-139.8569786	62.52722998	889	Mattock
1679633	WEL	Brendan Cooper	8/10/2018	07N	558866	6933400	-139.8562726	62.52689206	891	Auger
1679634	WEL	Brendan Cooper	8/10/2018	07N	558901	6933366	-139.8556045	62.52658137	905	Auger
1679635	WEL	Brendan Cooper	8/10/2018	07N	558937	6933331	-139.8549173	62.52626155	874	Auger
1679636	WEL	Brendan Cooper	8/10/2018	07N	558972	6933295	-139.8542498	62.52593291	869	Auger
1679637	WEL	Brendan Cooper	8/10/2018	07N	559009	6933261	-139.8535429	62.5256219	837	Auger
1679638	WEL	Brendan Cooper	8/10/2018	07N	559045	6933225	-139.852856	62.5252931	837	Auger
1679639	WEL	Brendan Cooper	8/10/2018	07N	559080	6933191	-139.8521879	62.5249824	810	Auger
1679640	WEL	Brendan Cooper	8/10/2018	07N	559115	6933156	-139.8515202	62.52466272	825	Auger
1679641	WEL	Brendan Cooper	8/10/2018	07N	559151	6933122	-139.8508327	62.52435185	827	Auger
1679642	WEL	Brendan Cooper	8/10/2018	07N	559190	6933088	-139.850087	62.5240405	823	Auger
1679643	WEL	Brendan Cooper	8/10/2018	07N	559223	6933052	-139.8494585	62.52371216	799	Auger
1678283	WEL	Cody Reeves	8/10/2018	07N	558293	6934242	-139.8671161	62.53453892	974	Auger
1678284	WEL	Cody Reeves	8/10/2018	07N	558325	6934211	-139.8665049	62.53425568	992	Auger
1678285	WEL	Cody Reeves	8/10/2018	07N	558365	6934173	-139.8657407	62.53390836	989	Auger
1678286	WEL	Cody Reeves	8/10/2018	07N	558398	6934139	-139.8651111	62.53359804	996	Auger
1678287	WEL	Cody Reeves	8/10/2018	07N	558435	6934104	-139.8644042	62.53327811	994	Auger
1678288	WEL	Cody Reeves	8/10/2018	07N	558470	6934068	-139.8637365	62.53294951	987	Auger
1678289	WEL	Cody Reeves	8/10/2018	07N	558506	6934033	-139.863049	62.53262973	1000	Auger
1678290	WEL	Cody Reeves	8/10/2018	07N	558543	6933997	-139.8623425	62.53230081	1007	Auger
1678291	WEL	Cody Reeves	8/10/2018	07N	558576	6933963	-139.861713	62.53199047	1000	Auger
1678292	WEL	Cody Reeves	8/10/2018	07N	558617	6933925	-139.8609295	62.53164297	979	Auger
1678293	WEL	Cody Reeves	8/10/2018	07N	558650	6933892	-139.8602997	62.5313416	979	Auger
1678294	WEL	Cody Reeves	8/10/2018	07N	558683	6933855	-139.8596713	62.53100433	947	Auger
1678295	WEL	Cody Reeves	8/10/2018	07N	558719	6933825	-139.8589822	62.53072939	925	Auger
1678296	WEL	Cody Reeves	8/10/2018	07N	558755	6933789	-139.8582952	62.53040062	920	Auger
1678297	WEL	Cody Reeves	8/10/2018	07N	558791	6933753	-139.8576082	62.53007183	890	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1679626	60	B	Subtle Slope	Dark Brown	Alders	Leaf Cover	Damp	Good	Silt
1679627	60	B	Subtle Slope	Dark Brown	Alders	Leaf Cover	Damp	Good	Silt
1679628	50	C	Subtle Slope	Dark Brown	Alders	Leaf Cover	Damp	Good	Silt
1679629	50	C	Pronounced Slo	Chocolate Brow	Alders	Leaf Cover	Damp	Good	Sand
1679630	40	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Thin Moss Cover	Damp	Good	Silt
1679631	70	C	Pronounced Slo	Chocolate Brow	Black Spruce	Reindeer Moss	Damp	Good	Silt
1679632	40	B	Pronounced Slo	Reddish Yellow	Black Spruce	Thin Moss Cover	Dry	Poor	Silt
1679633	40	B	Subtle Slope	Dark Brown	Old Burn	Thin Moss Cover	Damp	Good	Silt
1679634	40	B	Subtle Slope	Dark Brown	Dwarf Birch	Leaf Cover	Damp	Good	Clay
1679635	50	C	Pronounced Slo	Chocolate Brow	Alders	Thin Moss Cover	Dry	Good	Silt
1679636	50	C	Pronounced Slo	Reddish Brown	Old Burn	Grass Cover	Damp	Good	Silt
1679637	50	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Grass Cover	Damp	Good	Silt
1679638	50	C	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Silt
1679639	50	B	Pronounced Slo	Dark Brown	Alders	Leaf Cover	Damp	Good	Silt
1679640	50	B	Pronounced Slo	Dark Grey Black	Black Spruce	Reindeer Moss	Damp	Poor	Clay
1679641	60	C	Subtle Slope	Dark Brown	Alders	Grass Cover	Damp	Good	Clay
1679642	50	B	Pronounced Slo	Dark Brown	Alders	Leaf Cover	Damp	Good	Clay
1679643	60	B	Pronounced Slo	Dark Brown	Alders	Leaf Cover	Damp	Good	Silt
1678283	60	C	Steep	Chocolate Brow	Poplar	Thin Moss Cover	Damp	Good	Sand
1678284	80	C	Steep	Reddish Brown	Poplar	Grass Cover	Dry	Good	Sand
1678285	60	B	Pronounced Slo	Dark Brown	Alders	Sphagnum Moss < 30cm	Damp	Poor	Clay
1678286	50	C	Pronounced Slo	Dark Brown	Alders	Sphagnum Moss > 30cm	Damp	Good	Clay
1678287	70	C	Pronounced Slo	Chocolate Brow	Willows	Sphagnum Moss > 30cm	Damp	Good	Clay
1678288	60	C	Pronounced Slo	Dark Brown	Willows	Sphagnum Moss > 30cm	Wet	Good	Clay
1678289	70	C	Flat	Reddish Yellow	Poplar	Thin Moss Cover	Damp	Excellent	Clay
1678290	70	C	Subtle Slope	Reddish Orange	Poplar	Grass Cover	Damp	Good	Clay
1678291	70	C	Pronounced Slo	Reddish Yellow	Poplar	Grass Cover	Damp	Good	Clay
1678292	50	C	Pronounced Slo	Chocolate Brow	Alders	Grass Cover	Damp	Good	Clay
1678293	60	C	Subtle Slope	Chocolate Brow	Alders	Grass Cover	Damp	Good	Clay
1678294	50	C	Subtle Slope	Chocolate Brow	Alders	Grass Cover	Damp	Good	Clay
1678295	50	C	Pronounced Slo	Chocolate Brow	Alders	Grass Cover	Dry	Good	Clay
1678296	70	C	Pronounced Slo	Reddish Brown	Poplar	Grass Cover	Dry	Good	Sand
1678297	40	C	Pronounced Slo	Reddish Brown	Alders	Thin Moss Cover	Dry	Good	Sand

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1679626	Clay,Sandy			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679627	Clay,Rocky Sample,Sandy			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679628	Clay,Coarse,Rocky Sample,Sandy			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679629	Coarse,Possible Creek Contamination,Sandy			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679630	Clay,Coarse,Sandy			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679631	Clay,Coarse,Quartz Chips,Rocky Sample,Sandy			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679632	Clay,Coarse,Organic 10%,Rocky Sample,Rocky Terrain,Talus			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679633	Clay,Coarse,Rocky Sample,Rocky Terrain,Sandy			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679634	Clay,Coarse,Rocky Sample,Rocky Terrain,Sandy,Talus			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679635	Clay,Coarse,Rocky Sample,Sandy			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679636	Clay,Rocky Sample,Sandy			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679637	Clay,Coarse,Sandy			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679638	Clay,Coarse,Rocky Sample			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679639	Clay,Coarse,Sandy			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679640	Clay,Coarse			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679641	Clay,Coarse,Sandy			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679642	Clay,Coarse,Sandy			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679643	Clay,Coarse,Sandy			'00116627		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678283	Clay,Fine,Rocky Terrain			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678284	Clay,Fine,Rocky Terrain			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678285	Fine,Frozen,Mud			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678286	Fine,Frozen,Rocky Terrain			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678287	Fine,Mud,Partially Frozen			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678288	Fine,Mud,Partially Frozen			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678289	Fine,Mud,Rocky Terrain,Rusty Rock Chip			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678290	Fine,Rocky Terrain,Rusty Rock Chip			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678291	Bright Orange Rust,Fine,Mud,Rocky Terrain,Rusty Rock Chip			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678292	Fine,Mud,Rocky Terrain			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678293	Coarse,Rocky Terrain,Rusty Rock Chip			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678294	Coarse,Rocky Terrain,Sandy			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678295	Fine,Rocky Terrain,Rusty Rock Chip			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678296	Clay,Fine,Rocky Terrain,Rusty Rock Chip			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678297	Clay,Fine,Rocky Terrain			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1679626	9/13/2018	8/27/2018	0.5	38.4	5.5	61	0.1	32.9	16.7	714	3.09	5	0.8
1679627	9/13/2018	8/27/2018	0.4	26.9	6.7	56	0.05	33.4	15.7	510	2.97	8.3	0.6
1679628	9/13/2018	8/27/2018	0.6	25.3	10.8	60	0.05	30.9	14.5	584	2.79	13.3	0.9
1679629	9/13/2018	8/27/2018	0.8	20.9	13	62	0.1	19.3	13.6	608	3.07	13.3	1.6
1679630	9/13/2018	8/27/2018	0.6	16.4	18	60	0.2	16.9	10.8	442	2.66	13.3	1.7
1679631	9/13/2018	8/27/2018	0.8	20.3	27.2	68	0.3	19.4	14.5	546	2.71	23.1	1.9
1679632	9/13/2018	8/27/2018	1.5	11.9	16.5	39	0.05	12.4	5.7	177	2.9	15.6	0.5
1679633	9/13/2018	8/27/2018	1.2	15.3	9.7	26	0.1	7.9	2.8	92	1.38	7.2	0.5
1679634	9/13/2018	8/27/2018	0.9	9.8	12	34	0.1	8.4	7.5	383	1.47	6.7	0.3
1679635	9/13/2018	8/27/2018	1.1	19	22.7	57	0.05	19.2	10.8	363	3.05	22.1	0.7
1679636	9/13/2018	8/27/2018	0.7	59.9	6.7	54	0.05	41.5	19.7	587	4.12	20.8	0.8
1679637	9/13/2018	8/27/2018	0.6	29.7	6	55	0.05	26.3	18.1	572	3.99	16.9	0.5
1679638	9/13/2018	8/27/2018	0.7	33.4	5.9	67	0.05	24	18.7	756	4.35	76.8	0.5
1679639	9/13/2018	8/27/2018	0.6	22.1	6.1	58	0.05	20.7	14.1	655	2.54	7.9	0.6
1679640	9/13/2018	8/27/2018	0.9	26.3	6.5	50	0.05	18	13.5	585	2.41	8.1	0.6
1679641	9/13/2018	8/27/2018	0.5	30.9	5.5	60	0.05	21.6	15.2	537	3.37	8.7	0.6
1679642	9/13/2018	8/27/2018	0.6	43.2	6.9	63	0.05	23.5	17.2	555	3.48	13.3	0.6
1679643	9/13/2018	8/27/2018	0.5	29.7	6.3	60	0.05	30.3	14.3	665	2.69	4.8	0.7
1678283	9/13/2018	8/27/2018	1	24.4	3.8	40	0.05	21.8	10.9	189	2.44	7.5	0.3
1678284	9/13/2018	8/27/2018	1	49	9.6	58	0.2	31.3	20	532	3.17	7.3	0.8
1678285	9/13/2018	8/27/2018	1.1	44.4	4.5	60	0.2	23.8	11.6	431	1.86	5	0.6
1678286	9/13/2018	8/27/2018	1.2	36.2	4.2	25	0.2	14.6	8.2	911	1.16	10	1.4
1678287	9/13/2018	8/27/2018	0.7	35.2	5.6	51	0.1	24.2	11.4	344	1.77	3.7	1.4
1678288	9/13/2018	8/27/2018	0.9	69	9.3	52	0.1	29.4	12.5	1052	1.86	5.9	1.1
1678289	9/13/2018	8/27/2018	0.8	31.4	6.9	51	0.05	29.7	13.9	244	3.12	9.2	0.7
1678290	9/13/2018	8/27/2018	1	21.3	7	48	0.05	21.5	15.5	535	2.91	7.9	0.6
1678291	9/13/2018	8/27/2018	0.9	33.9	5.8	59	0.05	25	21.1	805	3.83	6.7	0.5
1678292	9/13/2018	8/27/2018	0.5	38.9	5.1	55	0.05	28.8	16.7	668	3.78	7.1	0.7
1678293	9/13/2018	8/27/2018	0.5	64.6	6.2	56	0.1	35.5	19.6	650	3.83	12.1	1
1678294	9/13/2018	8/27/2018	0.6	49.4	5.4	50	0.05	23.9	13.8	697	3.39	7.9	0.6
1678295	9/13/2018	8/27/2018	0.6	41.5	6.1	40	0.05	31.3	13.9	395	2.91	6.9	0.5
1678296	9/13/2018	8/27/2018	0.7	57.7	6.2	44	0.05	36.7	15.7	574	3.08	9.2	0.8
1678297	9/13/2018	8/27/2018	0.6	66.1	6.1	44	0.05	37.3	16.9	716	3.06	7.7	0.6

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1679626	3.6	1.6	75	0.2	0.6	0.05	79	1.41	0.095	15	45	1	208
1679627	2.2	2.8	50	0.2	0.6	0.05	64	1.17	0.082	13	44	0.84	139
1679628	3.3	3.5	48	0.2	0.7	0.1	65	1.05	0.071	14	45	0.8	159
1679629	7.7	5	32	0.2	0.6	0.2	57	0.67	0.076	22	28	0.53	165
1679630	6.1	5.9	38	0.1	0.5	0.2	51	0.62	0.074	17	27	0.49	157
1679631	7.3	4.3	41	0.2	0.5	0.3	58	0.58	0.087	16	32	0.55	153
1679632	1.5	3.1	14	0.05	0.6	0.2	82	0.13	0.028	9	23	0.26	57
1679633	2	1	20	0.1	0.3	0.2	54	0.23	0.03	11	18	0.21	112
1679634	1.6	1.1	18	0.1	0.2	0.2	41	0.21	0.087	7	20	0.22	97
1679635	2.8	6.8	27	0.05	0.7	0.3	68	0.35	0.041	20	30	0.48	170
1679636	4.6	3.4	36	0.05	1.5	0.1	100	0.82	0.034	17	62	0.77	184
1679637	2.9	2.3	36	0.1	0.9	0.05	112	0.81	0.045	12	34	0.96	143
1679638	18.3	2	47	0.2	1.3	0.05	103	1.13	0.079	15	31	0.93	177
1679639	5.4	1.7	42	0.2	0.5	0.1	65	0.91	0.065	11	31	0.64	167
1679640	1.8	1.1	55	0.1	0.6	0.1	64	1.25	0.073	11	28	0.52	155
1679641	5.2	2.1	50	0.2	0.7	0.05	81	1.1	0.068	11	28	0.77	139
1679642	5.1	2.1	49	0.2	0.8	0.1	76	1.06	0.064	12	31	0.75	199
1679643	2.8	1.6	55	0.2	0.5	0.1	58	1.19	0.07	11	44	0.74	171
1678283	9	1.2	19	0.3	0.3	0.05	82	0.34	0.031	5	34	0.49	71
1678284	1.3	2.5	33	0.2	0.5	0.1	81	0.53	0.032	11	41	0.65	143
1678285	3.5	0.7	51	0.5	0.5	0.2	50	1.31	0.07	8	32	0.52	148
1678286	1.2	0.2	68	0.3	1	0.05	27	2	0.089	7	15	0.2	128
1678287	2.2	1	54	0.2	0.9	0.1	47	1.46	0.06	10	35	0.5	152
1678288	3.1	0.7	76	0.8	0.7	0.1	50	1.95	0.078	10	35	0.5	163
1678289	13.7	2.6	33	0.05	0.5	0.2	77	0.42	0.033	11	38	0.66	198
1678290	1.5	1.8	32	0.05	0.4	0.1	74	0.44	0.035	9	33	0.57	134
1678291	2.2	2	26	0.2	0.5	0.1	110	0.41	0.04	12	34	1.15	130
1678292	1.6	1.8	71	0.1	0.4	0.05	103	1.38	0.056	11	42	1.11	175
1678293	2.2	2	68	0.3	0.6	0.1	100	1.3	0.053	14	48	1.07	187
1678294	4.2	1.2	91	0.3	0.8	0.05	85	1.66	0.075	13	25	0.93	154
1678295	1.5	1.2	63	0.2	0.5	0.05	70	1.07	0.043	11	41	0.66	93
1678296	2.4	1	74	0.2	0.7	0.05	82	1.59	0.06	11	46	0.77	128
1678297	3.4	2.2	54	0.3	0.7	0.1	78	0.95	0.047	13	45	0.79	171

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1679626	0.134	2	2.2	0.032	0.09	0.05	0.04	7.1	0.05	0.06	7	0.25	0.1
1679627	0.103	2	1.65	0.035	0.09	0.05	0.03	6.7	0.05	0.025	5	0.25	0.1
1679628	0.074	2	1.66	0.026	0.12	0.05	0.04	5.9	0.05	0.025	5	0.25	0.1
1679629	0.057	2	1.44	0.019	0.15	0.1	0.03	4.9	0.1	0.025	5	0.25	0.1
1679630	0.07	2	1.58	0.022	0.14	0.1	0.03	4.7	0.1	0.025	4	0.25	0.1
1679631	0.078	2	1.98	0.03	0.15	0.1	0.04	5.1	0.1	0.06	6	0.25	0.1
1679632	0.07	1	1.46	0.011	0.05	0.05	0.02	3.1	0.1	0.025	9	0.25	0.1
1679633	0.075	1	0.97	0.014	0.07	0.05	0.03	2.2	0.05	0.025	6	0.25	0.1
1679634	0.067	2	1.04	0.023	0.08	0.05	0.01	2.1	0.05	0.025	6	0.25	0.1
1679635	0.088	2	1.85	0.019	0.18	0.05	0.01	3.9	0.1	0.025	6	0.25	0.1
1679636	0.083	2	2.15	0.035	0.07	0.05	0.04	12.7	0.05	0.025	6	0.6	0.1
1679637	0.161	2	2.14	0.034	0.09	0.1	0.03	8.6	0.05	0.025	7	0.25	0.1
1679638	0.102	3	2.09	0.033	0.06	0.1	0.03	8.8	0.05	0.025	7	0.25	0.1
1679639	0.086	2	1.63	0.027	0.05	0.1	0.03	5.1	0.05	0.025	5	0.25	0.1
1679640	0.068	2	1.46	0.028	0.04	0.1	0.05	4.9	0.05	0.07	5	0.25	0.1
1679641	0.136	2	1.79	0.032	0.08	0.1	0.03	6.3	0.05	0.025	6	0.25	0.1
1679642	0.113	3	1.71	0.031	0.08	0.1	0.03	5.9	0.05	0.025	6	0.25	0.1
1679643	0.089	2	1.69	0.029	0.06	0.05	0.03	6.4	0.05	0.025	5	0.25	0.1
1678283	0.117	1	1.25	0.015	0.04	0.1	0.02	2.8	0.05	0.025	5	0.25	0.1
1678284	0.095	2	2.34	0.028	0.04	0.05	0.02	5.9	0.1	0.025	7	0.25	0.1
1678285	0.048	3	1.43	0.022	0.04	0.1	0.05	4.7	0.05	0.08	5	0.25	0.1
1678286	0.024	3	0.75	0.019	0.02	0.05	0.06	1.8	0.05	0.12	2	1.4	0.1
1678287	0.062	3	1.53	0.025	0.03	0.05	0.06	4.9	0.05	0.09	5	0.8	0.1
1678288	0.045	3	1.18	0.025	0.04	0.05	0.07	4.2	0.05	0.08	4	0.8	0.1
1678289	0.082	2	2.58	0.026	0.03	0.05	0.02	4.8	0.05	0.025	7	0.25	0.1
1678290	0.079	1	2.13	0.028	0.04	0.05	0.02	4.1	0.05	0.025	6	0.25	0.1
1678291	0.137	2	2.21	0.026	0.07	0.05	0.02	7.3	0.05	0.025	8	0.25	0.1
1678292	0.143	3	2.05	0.032	0.07	0.05	0.05	8.9	0.05	0.025	7	0.5	0.1
1678293	0.113	2	2.3	0.037	0.06	0.05	0.04	9.9	0.05	0.025	7	0.5	0.1
1678294	0.059	3	1.8	0.032	0.11	0.05	0.04	9	0.05	0.025	6	0.8	0.1
1678295	0.069	2	1.79	0.037	0.06	0.05	0.02	6.3	0.05	0.025	6	0.6	0.1
1678296	0.065	3	1.89	0.039	0.06	0.05	0.03	6.8	0.05	0.025	6	0.6	0.1
1678297	0.091	3	1.98	0.04	0.07	0.05	0.02	7.6	0.1	0.025	6	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1678298	WEL	Cody Reeves	8/10/2018	07N	558826	6933718	-139.8569403	62.52975218	837	Auger
1678299	WEL	Cody Reeves	8/10/2018	07N	558861	6933685	-139.8562717	62.52945047	838	Auger
1678300	WEL	Cody Reeves	8/10/2018	07N	558861	6933685	-139.8562717	62.52945047	838	
1678301	WEL	Cody Reeves	8/10/2018	07N	558899	6933649	-139.8555459	62.52912136	818	Auger
1678302	WEL	Cody Reeves	8/10/2018	07N	558934	6933614	-139.854878	62.5288017	792	Auger
1678303	WEL	Cody Reeves	8/10/2018	07N	558970	6933578	-139.8541911	62.5284729	786	Auger
1678304	WEL	Cody Reeves	8/10/2018	07N	559007	6933544	-139.8534841	62.52816189	796	Auger
1678305	WEL	Cody Reeves	8/10/2018	07N	559043	6933506	-139.8527979	62.52781514	805	Auger
1678306	WEL	Cody Reeves	8/10/2018	07N	559077	6933474	-139.8521485	62.52752254	821	Auger
1678307	WEL	Cody Reeves	8/10/2018	07N	559113	6933440	-139.8514609	62.52721168	820	Auger
1678308	WEL	Cody Reeves	8/10/2018	07N	559147	6933404	-139.8508129	62.52688318	829	Auger
1678309	WEL	Cody Reeves	8/10/2018	07N	559184	6933370	-139.850106	62.52657215	810	Auger
1678310	WEL	Cody Reeves	8/10/2018	07N	559222	6933331	-139.8493813	62.52621609	784	Auger
1678311	WEL	Cody Reeves	8/10/2018	07N	559256	6933300	-139.8487317	62.52593245	766	Auger
1678312	WEL	Cody Reeves	8/10/2018	07N	559292	6933265	-139.8480445	62.5256126	774	Auger
1678313	WEL	Cody Reeves	8/10/2018	07N	559327	6933229	-139.8473772	62.52528393	810	Auger
1678314	WEL	Cody Reeves	8/10/2018	07N	559363	6933194	-139.8466901	62.52496406	769	Auger
1679149	WEL	Hans Bauermeiste	8/10/2018	07N	558433	6934385	-139.864347	62.53580015	924	Mattock
1679150	WEL	Hans Bauermeiste	8/10/2018	07N	558433	6934385	-139.864347	62.53580015	924	
1679151	WEL	Hans Bauermeiste	8/10/2018	07N	558464	6934354	-139.8637553	62.53551706	891	Mattock
1679152	WEL	Hans Bauermeiste	8/10/2018	07N	558499	6934317	-139.8630879	62.53517948	921	Auger
1679153	WEL	Hans Bauermeiste	8/10/2018	07N	558534	6934284	-139.8624191	62.53487781	869	Mattock
1679154	WEL	Hans Bauermeiste	8/10/2018	07N	558572	6934248	-139.8616931	62.53454873	902	Auger
1679155	WEL	Hans Bauermeiste	8/10/2018	07N	558607	6934214	-139.8610247	62.53423807	886	Auger
1679156	WEL	Hans Bauermeiste	8/10/2018	07N	558644	6934178	-139.8603182	62.53390914	925	Auger
1679157	WEL	Hans Bauermeiste	8/10/2018	07N	558679	6934144	-139.8596498	62.53359848	960	Auger
1679158	WEL	Hans Bauermeiste	8/10/2018	07N	558716	6934106	-139.858944	62.53325159	947	Mattock
1679159	WEL	Hans Bauermeiste	8/10/2018	07N	558750	6934072	-139.8582951	62.53294108	932	Auger
1679160	WEL	Hans Bauermeiste	8/10/2018	07N	558785	6934039	-139.8576264	62.53263938	935	Auger
1679161	WEL	Hans Bauermeiste	8/10/2018	07N	558825	6933999	-139.8568631	62.53227406	922	Auger
1679162	WEL	Hans Bauermeiste	8/10/2018	07N	558858	6933968	-139.8562326	62.53199062	907	Auger
1679163	WEL	Hans Bauermeiste	8/10/2018	07N	558894	6933932	-139.8555456	62.53166183	919	Auger
1679164	WEL	Hans Bauermeiste	8/10/2018	07N	558931	6933899	-139.8548381	62.5313598	865	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1678298	40	C	Pronounced Slo	Reddish Yellow	Poplar	Rock Cover	Damp	Good	Sand
1678299	80	C	Pronounced Slo	Dark Grey Black	Old Burn	Thin Moss Cover	Damp	Good	Clay
1678300									
1678301	50	C	Subtle Slope	Chocolate Brow	Alders	Sphagnum Moss < 30cm	Wet	Good	Sand
1678302	70	C	Pronounced Slo	Chocolate Brow	Poplar	Sphagnum Moss > 30cm	Damp	Good	Clay
1678303	50	C	Pronounced Slo	Reddish Brown	Dwarf Birch	Sphagnum Moss < 30cm	Damp	Good	Clay
1678304	60	C	Subtle Slope	Dark Brown	Black Spruce	Sphagnum Moss > 30cm	Damp	Good	Clay
1678305	50	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Sphagnum Moss < 30cm	Damp	Good	Clay
1678306	50	C	Subtle Slope	Chocolate Brow	Willows	Thin Moss Cover	Damp	Good	Clay
1678307	60	C	Pronounced Slo	Reddish Yellow	Poplar	Sphagnum Moss < 30cm	Damp	Good	Clay
1678308	50	C	Pronounced Slo	Reddish Yellow	Alders	Grass Cover	Damp	Good	Clay
1678309	60	C	Pronounced Slo	Chocolate Brow	Poplar	Grass Cover	Damp	Good	Clay
1678310	60	C	Subtle Slope	Chocolate Brow	Alders	Grass Cover	Damp	Good	Clay
1678311	50	C	Subtle Slope	Chocolate Brow	Alders	Leaf Cover	Dry	Good	Sand
1678312	60	C	Subtle Slope	Dark Blue Black	Alders	Sphagnum Moss < 30cm	Wet	Good	Clay
1678313	50	C	Pronounced Slo	Dark Brown	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1678314	60	C	Steep	Chocolate Brow	Alders	Grass Cover	Damp	Good	Clay
1679149	40	B	Pronounced Slo	Chocolate Brow	Dwarf Birch	Leaf Cover	Dry	Poor	Clay
1679150									
1679151	40	B	Pronounced Slo	Chocolate Brow	Dwarf Birch	Burnt Moss	Dry	Poor	Clay
1679152	80	A	Pronounced Slo	Dark Grey Black	Dwarf Birch	Thin Moss Cover	Damp	Poor	Clay
1679153	30	B	Steep	Chocolate Brow	Dwarf Birch	Sphagnum Moss < 30cm	Damp	Poor	Clay
1679154	80	B	Steep	Dark Grey Black	Black Spruce	Sphagnum Moss < 30cm	Damp	Poor	Clay
1679155	60	B	Steep	Dark Grey Black	Dwarf Birch	Sphagnum Moss < 30cm	Damp	Poor	Clay
1679156	80	A	Steep	Dark Grey Black	Dwarf Birch	Sphagnum Moss < 30cm	Damp	Poor	Clay
1679157	50	B	Pronounced Slo	Dark Grey Black	Alders	Reindeer Moss	Damp	Poor	Clay
1679158	30	B	Subtle Slope	Reddish Yellow	Dwarf Birch	Thin Moss Cover	Damp	Poor	Gravel
1679159	50	C	Subtle Slope	Greyish Green	Birch Forest	Thin Moss Cover	Damp	Excellent	Sand
1679160	70	B	Subtle Slope	Greyish Green	Birch Forest	Grass Cover	Damp	Good	Clay
1679161	60	B	Subtle Slope	Light Brown	Dwarf Birch	Leaf Cover	Damp	Good	Clay
1679162	60	C	Subtle Slope	Light Brown	Dwarf Birch	Leaf Cover	Damp	Good	Clay
1679163	70	B	Subtle Slope	Light Brown	Old Burn	Grass Cover	Damp	Excellent	Clay
1679164	50	B	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Damp	Good	Clay

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1678298	Clay,Coarse,Outcrop Nearby,Rocky Sample,Rocky Terrain,Rusty Rock			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678299	Coarse,Mud,Rocky Terrain,Rusty Rock Chip			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678300				'00116630	1678299	Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678301	Clay,Coarse,Rusty Rock Chip			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678302	Clay,Fine,Rusty Rock Chip,Sandy			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678303	Bright Orange Rust,Coarse,Mud,Rocky Terrain,Rusty Rock Chip			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678304	Bright Orange Rust,Coarse,Rusty Rock Chip			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678305	Coarse,Mud,Rocky Terrain,Rusty Rock Chip			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678306	Fine,Rocky Terrain,Rusty Rock Chip,Sandy			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678307	Bright Orange Rust,Fine,Rusty Rock Chip			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678308	Fine,Mud,Rocky Terrain,Rusty Rock Chip,Sandy			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678309	Fine,Rusty Rock Chip,Sandy			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678310	Bright Orange Rust,Fine,Rocky Terrain,Rusty Rock Chip			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678311	Clay,Fine,Rusty Rock Chip			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678312	Coarse,Mud,Partially Frozen,Rocky Terrain,Rusty Rock Chip,Sandy			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678313	Coarse,Rocky Terrain,Rusty Rock Chip,Sandy			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678314	Fine,Mud,Rocky Terrain,Rusty Rock Chip,Sandy			'00116630		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679149	Rocky Sample,Rocky Terrain,Talus			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679150				'00116629	1679149	Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679151	Rocky Sample,Rocky Terrain,Talus			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679152	Organic 10%			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679153	Organic 10%,Organic 25%,Outcrop Nearby,Rocky Sample,Rocky Terra			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679154	Organic 10%			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679155	Possible Creek Contamination			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679156	Organic 25%			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679157	Organic 10%			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679158	Clay,Rocky Sample,Sandy,Talus			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679159	Clay,Rocky Sample,Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679160	Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679161	Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679162	Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679163	Bright Orange Rust,Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679164	Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1678298	9/13/2018	8/27/2018	1.5	21.2	6.6	46	0.05	18.6	12.4	478	3.37	5.1	0.3
1678299	9/13/2018	8/27/2018	0.3	40.4	11	51	0.05	27.2	9.8	276	2.52	7.6	0.9
1678300	9/13/2018	8/27/2018	0.3	47.4	7.9	52	0.05	27.6	12.1	391	2.58	6	0.9
1678301	9/13/2018	8/27/2018	0.3	22.3	19.6	58	0.1	20.3	9	286	2.32	10.2	2
1678302	9/13/2018	8/27/2018	0.6	22.5	19.4	34	0.2	15.2	5	178	1.67	9.5	2.1
1678303	9/13/2018	8/27/2018	0.6	20.1	19.9	57	0.2	21.9	10.5	414	2.7	18.7	1.2
1678304	9/13/2018	8/27/2018	0.5	30.5	9.4	59	0.1	25.7	13.6	569	2.71	13.3	1.3
1678305	9/13/2018	8/27/2018	0.5	39.3	5.4	56	0.1	33.4	17.1	732	2.99	10.5	0.7
1678306	9/13/2018	8/27/2018	0.6	22.5	5.1	38	0.05	16.1	9.7	325	2.2	6.9	0.5
1678307	9/13/2018	8/27/2018	0.7	23.2	6.2	50	0.05	24.5	13.5	285	3.32	12.7	0.4
1678308	9/13/2018	8/27/2018	0.8	30.5	6.2	46	0.05	19.9	12.8	914	2.69	10.1	0.6
1678309	9/13/2018	8/27/2018	0.7	26.6	6.5	47	0.05	24.1	14.4	307	2.91	13.4	0.5
1678310	9/13/2018	8/27/2018	0.8	39.8	8.9	53	0.05	26.1	13.8	521	3.06	12.5	0.6
1678311	9/13/2018	8/27/2018	0.4	44.6	6.7	58	0.05	27	11.8	408	2.77	8.6	1.1
1678312	9/13/2018	8/27/2018	0.4	61.8	4.5	53	0.1	33.4	14.2	652	2.27	8.6	0.7
1678313	9/13/2018	8/27/2018	0.6	83	4.1	44	0.1	31.4	11.7	456	2.07	11.5	0.8
1678314	9/13/2018	8/27/2018	0.6	85.3	4.6	44	0.1	29.6	14	544	2.61	14.8	0.7
1679149	9/13/2018	8/27/2018	0.6	38.5	8.1	46	0.1	27.5	14	279	2.53	6.6	0.5
1679150	9/13/2018	8/27/2018	0.7	42.3	8.7	53	0.1	32	15	337	3.02	7.4	0.5
1679151	9/13/2018	8/27/2018	0.8	36.5	5.5	48	0.05	28.4	16.6	351	3.08	8	0.4
1679152	9/13/2018	8/27/2018	0.7	48.2	6.1	52	0.1	30.1	12.8	417	2.31	8.6	0.6
1679153	9/13/2018	8/27/2018	0.9	41.3	6.7	53	0.1	45.5	20.9	304	3.04	11.8	0.7
1679154	9/13/2018	8/27/2018	0.6	23.9	5.4	52	0.05	18.7	14.8	842	2.44	5.1	0.6
1679155	9/13/2018	8/27/2018	0.5	17.2	5	47	0.05	14.4	10	393	1.89	4.3	0.6
1679156	9/13/2018	8/27/2018	0.6	19.3	4.5	39	0.05	12.6	11.1	548	1.74	3	0.6
1679157	9/13/2018	8/27/2018	0.5	23	4.4	34	0.05	16.1	9.6	434	1.91	3.3	0.6
1679158	9/13/2018	8/27/2018	2	13.2	6.5	38	0.05	11.3	8.8	221	4.26	10.6	0.3
1679159	9/13/2018	8/27/2018	0.8	14.9	6.5	36	0.05	12.7	7	222	2.01	4.1	0.3
1679160	9/13/2018	8/27/2018	0.4	32.9	5.8	57	0.05	23	15	535	3.11	6.2	0.5
1679161	9/13/2018	8/27/2018	1.3	23.8	12.7	48	0.05	25.5	13.3	520	2.88	67.6	0.7
1679162	9/13/2018	8/27/2018	1	16.7	21.5	45	0.1	17.2	7.7	341	2.47	211.3	0.7
1679163	9/13/2018	8/27/2018	0.7	18.5	17.9	50	0.05	17.3	7.8	272	2.77	15.7	0.9
1679164	9/13/2018	8/27/2018	0.8	24.9	14.6	55	0.1	27	14	558	3.39	31.2	1.1

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1678298	0.25	1.3	20	0.2	0.5	0.1	71	0.3	0.043	10	24	0.54	97
1678299	4.5	2.7	65	0.2	0.6	0.2	56	1.55	0.079	13	34	0.77	127
1678300	3.3	2	69	0.2	0.5	0.2	65	1.67	0.071	13	35	0.9	132
1678301	6.5	5.8	36	0.2	0.6	0.3	45	0.56	0.069	18	27	0.51	178
1678302	3.4	1.1	34	0.3	0.3	0.2	31	0.47	0.072	16	17	0.27	155
1678303	3.4	6.5	29	0.1	0.7	0.2	54	0.44	0.065	18	28	0.54	150
1678304	6.5	2.4	59	0.2	1	0.1	60	1.34	0.094	14	29	0.63	141
1678305	5.3	1.3	56	0.2	1.3	0.05	70	1.59	0.084	14	44	0.74	134
1678306	2.6	0.9	49	0.1	0.6	0.1	65	1.48	0.038	8	23	0.41	118
1678307	1.7	1.9	32	0.05	0.6	0.1	85	0.55	0.034	8	38	0.61	168
1678308	0.7	1.5	37	0.2	0.6	0.1	68	0.74	0.024	9	26	0.45	204
1678309	2.8	1.9	35	0.2	0.7	0.1	81	0.7	0.031	9	38	0.68	175
1678310	3.5	2.9	42	0.2	0.8	0.1	74	0.86	0.045	13	35	0.71	168
1678311	3.1	2.3	58	0.1	0.7	0.1	63	1.28	0.068	12	39	0.73	139
1678312	5.6	1	63	0.1	1.1	0.05	59	1.49	0.061	10	61	0.82	141
1678313	7.1	0.8	70	0.2	1	0.05	58	1.64	0.07	12	57	0.65	145
1678314	13.7	1	64	0.2	0.8	0.05	75	1.45	0.062	13	44	0.64	145
1679149	18.9	1.9	33	0.3	0.4	0.2	78	0.72	0.045	10	39	0.58	101
1679150	17.7	2.3	33	0.3	0.5	0.1	84	0.74	0.052	11	45	0.69	102
1679151	1.4	1.9	26	0.2	0.4	0.1	84	0.49	0.035	10	46	0.69	107
1679152	2.7	1.3	58	0.3	0.5	0.1	59	1.73	0.057	10	41	0.61	150
1679153	1.8	1.6	30	0.2	1	0.1	78	0.51	0.049	10	53	0.75	127
1679154	2.4	1	62	0.2	0.4	0.1	63	1.2	0.08	11	31	0.61	130
1679155	2	0.9	62	0.2	0.4	0.05	51	1.07	0.072	9	25	0.49	123
1679156	1.4	0.5	49	0.1	0.3	0.1	43	0.78	0.079	9	22	0.42	110
1679157	3.7	0.7	59	0.2	0.4	0.1	52	1.38	0.07	12	22	0.45	115
1679158	10.8	1	16	0.1	0.5	0.2	134	0.17	0.048	6	26	0.46	67
1679159	3.4	1.1	21	0.05	0.3	0.1	65	0.33	0.025	6	21	0.45	93
1679160	2.6	2.7	46	0.1	0.3	0.1	88	0.76	0.046	14	34	0.9	166
1679161	7.3	3.9	33	0.1	0.6	0.2	76	0.53	0.053	13	37	0.64	187
1679162	39.7	7.1	23	0.05	2.8	0.2	52	0.35	0.033	16	25	0.42	123
1679163	2.5	10.2	29	0.05	1.1	0.3	46	0.43	0.069	25	25	0.54	114
1679164	2.6	5.7	39	0.1	0.6	0.2	69	0.65	0.044	17	40	0.61	131

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1678298	0.067	2	1.84	0.023	0.09	0.05	0.005	4	0.05	0.025	7	0.25	0.1
1678299	0.059	5	1.61	0.032	0.11	0.05	0.06	5.3	0.05	0.025	5	0.25	0.1
1678300	0.063	4	1.64	0.035	0.1	0.05	0.06	5.3	0.05	0.025	5	0.5	0.1
1678301	0.05	2	1.38	0.022	0.13	0.05	0.04	5.8	0.1	0.025	5	0.25	0.1
1678302	0.029	2	1.33	0.017	0.12	0.05	0.03	2.6	0.05	0.025	4	0.25	0.1
1678303	0.054	2	1.8	0.016	0.16	0.05	0.02	4.9	0.2	0.025	5	0.25	0.1
1678304	0.043	3	1.55	0.025	0.09	0.05	0.04	6.6	0.1	0.025	5	0.8	0.1
1678305	0.075	3	1.79	0.027	0.05	0.1	0.05	8.6	0.05	0.025	5	0.25	0.1
1678306	0.059	2	1.34	0.03	0.04	0.1	0.03	4.7	0.05	0.025	5	0.25	0.1
1678307	0.095	1	2.15	0.022	0.04	0.1	0.01	4.7	0.05	0.025	7	0.25	0.1
1678308	0.078	2	1.65	0.033	0.04	0.05	0.02	4.4	0.05	0.025	6	0.25	0.1
1678309	0.085	2	2.17	0.031	0.07	0.1	0.03	5.5	0.05	0.025	6	0.25	0.1
1678310	0.082	2	1.74	0.033	0.07	0.05	0.03	6.8	0.05	0.025	6	0.25	0.1
1678311	0.084	3	1.57	0.042	0.05	0.05	0.03	5.4	0.05	0.025	4	0.5	0.1
1678312	0.058	4	1.56	0.026	0.05	0.05	0.06	7.6	0.05	0.025	4	0.25	0.1
1678313	0.044	4	1.54	0.022	0.04	0.05	0.08	7.1	0.05	0.07	4	0.7	0.1
1678314	0.056	3	1.65	0.023	0.05	0.05	0.05	8.3	0.05	0.06	5	0.5	0.1
1679149	0.113	2	1.6	0.03	0.04	0.2	0.03	4.7	0.05	0.025	5	0.25	0.1
1679150	0.123	2	1.82	0.033	0.05	0.2	0.03	5.1	0.05	0.025	6	0.25	0.1
1679151	0.116	2	1.92	0.026	0.06	0.2	0.03	4.7	0.05	0.025	6	0.25	0.1
1679152	0.071	3	1.75	0.028	0.05	0.1	0.05	5.9	0.05	0.025	5	0.25	0.1
1679153	0.089	2	2.13	0.026	0.04	0.1	0.05	5.6	0.05	0.025	6	0.25	0.1
1679154	0.071	3	1.43	0.023	0.06	0.1	0.04	4.8	0.05	0.07	5	0.25	0.1
1679155	0.055	2	1.27	0.025	0.05	0.05	0.05	4.1	0.05	0.07	4	0.25	0.1
1679156	0.049	3	1.28	0.023	0.04	0.05	0.05	3.2	0.05	0.07	4	0.25	0.1
1679157	0.052	2	1.63	0.025	0.05	0.05	0.05	4.2	0.05	0.025	5	0.25	0.1
1679158	0.147	1	1.37	0.011	0.04	0.05	0.02	2.6	0.05	0.025	9	0.25	0.1
1679159	0.082	1	1.3	0.019	0.06	0.05	0.02	2.6	0.05	0.025	6	0.25	0.1
1679160	0.119	1	2.22	0.04	0.05	0.05	0.04	6.9	0.05	0.025	7	0.25	0.1
1679161	0.071	1	1.9	0.021	0.13	0.05	0.02	5	0.1	0.025	6	0.25	0.1
1679162	0.055	0.5	1.42	0.009	0.14	0.05	0.02	3.3	0.1	0.025	4	0.25	0.1
1679163	0.05	2	1.59	0.012	0.19	0.05	0.01	3.7	0.2	0.025	5	0.25	0.1
1679164	0.091	2	2.16	0.031	0.15	0.05	0.02	6	0.1	0.025	6	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1679165	WEL	Hans Bauermeiste	8/10/2018	07N	558964	6933863	-139.8542094	62.53103148	852	Auger
1679166	WEL	Hans Bauermeiste	8/10/2018	07N	559002	6933828	-139.8534833	62.53071133	843	Auger
1679167	WEL	Hans Bauermeiste	8/10/2018	07N	559034	6933793	-139.8528737	62.53039213	849	Auger
1679168	WEL	Hans Bauermeiste	8/10/2018	07N	559070	6933759	-139.852186	62.53008127	827	Auger
1679169	WEL	Hans Bauermeiste	8/10/2018	07N	559105	6933725	-139.8515179	62.52977057	792	Auger
1679170	WEL	Hans Bauermeiste	8/10/2018	07N	559140	6933689	-139.8508504	62.52944191	760	Auger
1679171	WEL	Hans Bauermeiste	8/10/2018	07N	559178	6933653	-139.8501246	62.52911278	797	Mattock
1679172	WEL	Hans Bauermeiste	8/10/2018	07N	559212	6933619	-139.8494759	62.52880222	746	Auger
1679173	WEL	Hans Bauermeiste	8/10/2018	07N	559250	6933583	-139.8487502	62.52847308	735	Auger
1679174	WEL	Hans Bauermeiste	8/10/2018	07N	559288	6933546	-139.8480248	62.52813495	751	Auger
1679175	WEL	Hans Bauermeiste	8/10/2018	07N	559288	6933546	-139.8480248	62.52813495	751	
1679176	WEL	Hans Bauermeiste	8/10/2018	07N	559323	6933513	-139.8473564	62.5278332	722	Auger
1679177	WEL	Hans Bauermeiste	8/10/2018	07N	559360	6933476	-139.8466505	62.52749523	755	Auger
1679178	WEL	Hans Bauermeiste	8/10/2018	07N	559392	6933445	-139.8460397	62.52721191	532	Auger
1679179	WEL	Hans Bauermeiste	8/10/2018	07N	559430	6933407	-139.8453147	62.5268648	949	Mattock
1679180	WEL	Hans Bauermeiste	8/10/2018	07N	559465	6933373	-139.8446467	62.52655406	745	Mattock
1679181	WEL	Hans Bauermeiste	8/10/2018	07N	559499	6933340	-139.8439977	62.52625245	793	Mattock
1677583	WEL	Alan Madsen	8/11/2018	07N	557524	6928070	-139.8841297	62.47927036	964	Auger
1677584	WEL	Alan Madsen	8/11/2018	07N	557559	6928034	-139.883463	62.47894186	979	Auger
1677585	WEL	Alan Madsen	8/11/2018	07N	557594	6927998	-139.8827963	62.47861336	974	Auger
1677586	WEL	Alan Madsen	8/11/2018	07N	557629	6927962	-139.8821296	62.47828485	948	Auger
1677587	WEL	Alan Madsen	8/11/2018	07N	557666	6927924	-139.8814248	62.47793808	934	Auger
1677588	WEL	Alan Madsen	8/11/2018	07N	557702	6927888	-139.8807387	62.47760941	924	Auger
1677589	WEL	Alan Madsen	8/11/2018	07N	557733	6927857	-139.880148	62.47732639	914	Auger
1677590	WEL	Alan Madsen	8/11/2018	07N	557767	6927821	-139.8795007	62.47699803	894	Auger
1677591	WEL	Alan Madsen	8/11/2018	07N	557806	6927781	-139.8787579	62.47663299	887	Auger
1677592	WEL	Alan Madsen	8/11/2018	07N	557839	6927749	-139.8781287	62.47634067	871	Auger
1677593	WEL	Alan Madsen	8/11/2018	07N	557874	6927712	-139.8774625	62.47600316	842	Auger
1677594	WEL	Alan Madsen	8/11/2018	07N	557910	6927676	-139.8767765	62.47567448	811	Auger
1677595	WEL	Alan Madsen	8/11/2018	07N	557944	6927640	-139.8761293	62.4753461	785	Auger
1677596	WEL	Alan Madsen	8/11/2018	07N	557979	6927605	-139.8754625	62.47502653	828	Auger
1677597	WEL	Alan Madsen	8/11/2018	07N	558015	6927569	-139.8747765	62.47469784	856	Auger
1677598	WEL	Alan Madsen	8/11/2018	07N	558049	6927534	-139.8741291	62.47437842	860	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1679165	50	B	Pronounced Slo	Reddish Brown	Poplar	Burnt Moss	Damp	Good	Clay
1679166	60	B	Pronounced Slo	Chocolate Brow	Alders	Thin Moss Cover	Damp	Good	Clay
1679167	50	B	Pronounced Slo	Chocolate Brow	Alders	Burnt Moss	Damp	Good	Clay
1679168	70	B	Pronounced Slo	Chocolate Brow	Poplar	Thin Moss Cover	Dry	Good	Clay
1679169	70	B	Pronounced Slo	Reddish Brown	Poplar	Thin Moss Cover	Damp	Good	Clay
1679170	80	B	Pronounced Slo	Grey	Old Burn	Burnt Moss	Damp	Good	Clay
1679171	30	B	Pronounced Slo	Chocolate Brow	Old Burn	Bare Soil	Damp	Poor	Gravel
1679172	80	B	Pronounced Slo	Chocolate Brow	Poplar	Thin Moss Cover	Dry	Good	Clay
1679173	80	B	Flat	Dark Grey Black	Alders	Sphagnum Moss < 30cm	Damp	Good	Clay
1679174	80	B	Subtle Slope	Grey	Dwarf Birch	Sphagnum Moss < 30cm	Damp	Good	Clay
1679175									
1679176	70	B	Subtle Slope	Grey	Birch Forest	Leaf Cover	Damp	Good	Clay
1679177	70	B	Subtle Slope	Bluish Grey	Birch Forest	Grass Cover	Damp	Good	Clay
1679178	70	B	Pronounced Slo	Dark Brown	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1679179	40	B	Pronounced Slo	Grey	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1679180	50	A	Steep	Dark Grey Black	Black Spruce	Reindeer Moss	Damp	Poor	Clay
1679181	50	B	Steep	Dark Grey Black	Black Spruce	Sphagnum Moss < 30cm	Damp	Poor	Clay
1677583	50	C	Pronounced Slo	Chocolate Brow	Alders	Leaf Cover	Damp	Good	Sand
1677584	60	C	Subtle Slope	Grey	Alders	Leaf Cover	Damp	Good	Sand
1677585	70	C	Subtle Slope	Grey	Alders	Sphagnum Moss < 30cm	Damp	Good	Sand
1677586	90	B	Subtle Slope	Grey	Alders	Leaf Cover	Damp	Good	Clay
1677587	50	C	Subtle Slope	Chocolate Brow	Alders	Bare Soil	Dry	Good	Sand
1677588	60	C	Pronounced Slo	Chocolate Brow	Alders	Bare Soil	Damp	Good	Sand
1677589	60	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Grass Cover	Dry	Good	Sand
1677590	50	B	Pronounced Slo	Chocolate Brow	Alders	Bare Soil	Dry	Poor	Sand
1677591	50	C	Pronounced Slo	Light Brown	White Spruce	Bare Soil	Dry	Poor	Silt
1677592	60	C	Pronounced Slo	Chocolate Brow	Alders	Leaf Cover	Damp	Good	Sand
1677593	60	C	Pronounced Slo	Chocolate Brow	Alders	Bare Soil	Dry	Good	Sand
1677594	60	C	Pronounced Slo	Grey	Dwarf Birch	Grass Cover	Damp	Good	Sand
1677595	80	B	Subtle Slope	Dark Grey Black	Alders	Leaf Cover	Damp	Good	Sand
1677596	80	C	Subtle Slope	Dark Blue Black	Alders	Leaf Cover	Damp	Good	Sand
1677597	80	C	Pronounced Slo	Dark Grey Black	Alders	Sphagnum Moss < 30cm	Damp	Good	Sand
1677598	70	B	Pronounced Slo	Dark Grey Black	Alders	Leaf Cover	Damp	Good	Clay

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1679165	Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679166	Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679167	Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679168	Fine			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679169	Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679170	Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679171	Clay,Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679172	Fine			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679173	Organic 10%,Possible Creek Contamination			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679174	Bright Orange Rust,Possible Creek Contamination,Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679175				'00116629	1679174	Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679176	Fine			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679177	Fine			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679178	Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679179	Sandy			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679180	Organic 25%,Partially Frozen			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679181	Organic 25%,Partially Frozen,Rocky Terrain			'00116629		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677583	Sandy			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677584	Sandy			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677585	Sandy			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677586	Clay			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677587	Sandy			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677588	Rusty Rock Chip,Sandy			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677589	Rusty Rock Chip,Sandy			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677590	Rocky Terrain,Sandy			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677591	Fine,Sandy			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677592	Rusty Rock Chip,Sandy			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677593	Sandy			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677594	Rusty Rock Chip,Sandy			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677595	Sandy			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677596	Coarse,Rusty Rock Chip,Sandy			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677597	Rocky Sample			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1677598	Clay			'00116613		Soil	WEL-20180816-0	White Gold Co	WHI18000759

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1679165	9/13/2018	8/27/2018	1.1	20.6	12.2	48	0.1	23.9	12.9	530	3.05	12.6	0.6
1679166	9/13/2018	8/27/2018	0.9	25.1	20.9	42	0.2	26.9	11.3	499	2.85	69.5	1.3
1679167	9/13/2018	8/27/2018	0.7	39	9.4	55	0.2	34	15.5	752	3.34	95.1	1
1679168	9/13/2018	8/27/2018	0.5	55.7	6.9	38	0.1	32.6	9.4	419	2.44	14.3	1.2
1679169	9/13/2018	8/27/2018	1.1	33.2	6.9	62	0.05	34.2	23.1	688	4.69	10.4	0.7
1679170	9/13/2018	8/27/2018	0.6	70.3	6.1	54	0.05	38.6	16.5	546	2.92	11.2	0.5
1679171	9/13/2018	8/27/2018	1.3	71.3	7.9	60	0.1	34	32.2	678	4.91	20.1	0.5
1679172	9/13/2018	8/27/2018	0.4	47.9	6.3	44	0.05	27.9	12.3	396	2.71	13.6	0.9
1679173	9/13/2018	8/27/2018	0.3	32.9	4.9	42	0.05	22.5	11.6	434	2.71	6.4	0.7
1679174	9/13/2018	8/27/2018	0.4	41.9	7.4	63	0.05	26.9	12.8	371	2.55	6.8	0.8
1679175	9/13/2018	8/27/2018	0.4	35.2	7	57	0.05	26.1	11.9	398	2.41	6.6	0.6
1679176	9/13/2018	8/27/2018	0.4	38.7	5.7	57	0.05	27.6	11.8	322	2.69	7	0.8
1679177	9/13/2018	8/27/2018	0.6	42	5.4	59	0.05	28.6	12.5	419	2.64	8.1	0.5
1679178	9/13/2018	8/27/2018	0.6	25.4	5.4	58	0.05	28.3	14.7	491	2.71	6.6	0.5
1679179	9/13/2018	8/27/2018	0.7	26.4	4.4	48	0.05	56.2	16	348	2.69	5.7	0.4
1679180	9/13/2018	8/27/2018	0.3	11.1	1.2	6	0.05	4	1.4	18	0.4	0.7	0.2
1679181	9/13/2018	8/27/2018	0.4	20.9	4.4	17	0.05	7.7	3.3	49	0.84	1.8	0.2
1677583	9/13/2018	8/27/2018	1.2	37.7	7.8	63	0.1	30.7	12.6	400	3.31	10	0.5
1677584	9/13/2018	8/27/2018	0.8	61.5	8.2	57	0.05	34.4	17.2	621	3.62	10.5	0.6
1677585	9/13/2018	8/27/2018	0.8	58.4	8.5	65	0.1	35.6	19.9	615	3.79	13.5	0.6
1677586	9/13/2018	8/27/2018	0.7	59.3	9	61	0.2	29.4	15.7	532	3.23	7.9	0.8
1677587	9/13/2018	8/27/2018	0.6	52	7.1	64	0.1	27.3	15.3	503	3.11	7.4	0.8
1677588	9/13/2018	8/27/2018	1.5	36.3	11.6	62	0.05	27.5	13.8	457	3.25	7.9	0.8
1677589	9/13/2018	8/27/2018	1.2	29.8	9.3	59	0.1	26.8	15.2	549	3.54	9	0.6
1677590	9/13/2018	8/27/2018	0.9	29.9	7.9	56	0.2	25.5	11.5	622	2.56	6.4	0.6
1677591	9/13/2018	8/27/2018	0.9	27	8.9	57	0.05	24.3	13.1	386	3.42	9	0.6
1677592	9/13/2018	8/27/2018	0.8	32.2	10	58	0.1	25.5	13	422	3.16	10.7	0.7
1677593	9/13/2018	8/27/2018	0.8	23.9	10.2	58	0.05	23	12.2	590	3.14	9.1	0.5
1677594	9/13/2018	8/27/2018	0.9	42.7	10.3	75	0.05	29.5	13	750	2.84	8.4	0.8
1677595	9/13/2018	8/27/2018	0.4	42.3	7	61	0.1	26.4	10.5	382	2.5	6.6	1
1677596	9/13/2018	8/27/2018	1.3	30.6	7.2	83	0.2	28.6	13.3	766	2.53	5.6	0.8
1677597	9/13/2018	8/27/2018	0.9	32.9	7.2	68	0.2	26.7	12.6	480	2.48	6.3	0.8
1677598	9/13/2018	8/27/2018	0.7	34.6	6.1	62	0.1	26.4	11.5	481	2.33	5.6	0.8

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1679165	1.7	3.7	36	0.1	0.6	0.2	68	0.54	0.044	11	34	0.51	166
1679166	3.7	7.9	38	0.1	0.6	0.2	63	0.66	0.033	20	36	0.54	142
1679167	9.4	4	56	0.2	1	0.1	77	1.05	0.057	17	46	0.75	166
1679168	4.9	1.8	73	0.2	0.7	0.1	51	1.53	0.069	15	34	0.54	182
1679169	1.7	3.1	38	0.05	0.9	0.2	112	0.69	0.03	15	54	0.9	131
1679170	3.6	2	69	0.1	0.7	0.1	69	2.1	0.052	13	43	0.79	189
1679171	1.2	2.3	49	0.3	1.2	0.1	134	1.33	0.035	12	49	0.86	117
1679172	6.8	1.7	70	0.2	0.8	0.1	69	1.63	0.05	15	37	0.73	159
1679173	6.3	1.4	76	0.1	0.7	0.05	60	1.79	0.056	13	30	0.8	127
1679174	7.2	2.4	56	0.2	0.8	0.1	70	1.22	0.07	13	39	0.82	145
1679175	14.1	2.3	55	0.2	0.8	0.1	67	1.18	0.066	12	37	0.69	128
1679176	3.3	2.1	44	0.05	0.5	0.1	79	0.83	0.065	12	35	0.68	153
1679177	3.2	2.4	62	0.1	0.5	0.1	78	1.3	0.078	13	33	0.72	143
1679178	5.4	1.6	43	0.1	0.5	0.1	77	0.91	0.071	10	39	0.76	122
1679179	2.3	1.1	28	0.05	1.1	0.1	77	0.61	0.049	6	68	0.88	86
1679180	0.8	0.05	23	0.05	0.3	0.05	9	0.43	0.027	2	7	0.06	34
1679181	2.4	0.3	16	0.05	0.2	0.1	25	0.26	0.022	4	16	0.15	45
1677583	6.9	2.1	31	0.2	0.8	0.1	103	0.55	0.048	10	47	0.75	210
1677584	5.1	2.2	37	0.1	0.9	0.1	114	0.67	0.048	11	49	0.81	218
1677585	24.4	2.8	40	0.2	0.6	0.1	104	0.67	0.065	13	48	0.79	206
1677586	4	2.5	45	0.2	0.4	0.1	87	0.68	0.055	14	42	0.73	218
1677587	5.7	2.7	43	0.2	0.4	0.2	86	0.65	0.053	13	39	0.76	190
1677588	9.2	4.1	35	0.1	0.4	0.1	75	0.57	0.047	16	41	0.82	179
1677589	8.6	2.7	35	0.2	0.4	0.1	85	0.59	0.045	13	40	0.71	197
1677590	2.3	1.8	40	0.4	0.4	0.1	69	0.6	0.047	16	31	0.58	223
1677591	1.7	2.7	37	0.1	0.4	0.1	79	0.58	0.034	15	40	0.72	218
1677592	3	3.2	42	0.05	0.5	0.1	84	0.7	0.052	18	40	0.71	423
1677593	2.1	2.8	39	0.2	0.5	0.1	69	0.65	0.044	15	34	0.68	270
1677594	3.9	2.7	50	0.2	0.6	0.1	63	0.88	0.072	15	34	0.68	223
1677595	4	2.3	65	0.2	0.6	0.05	66	1.21	0.076	15	33	0.68	309
1677596	2.6	2.4	53	0.6	0.6	0.1	66	1.05	0.082	14	37	0.79	183
1677597	2.4	1.9	59	0.5	0.5	0.1	65	1.22	0.07	13	34	0.66	207
1677598	1.9	1.8	62	0.3	0.6	0.05	67	1.31	0.076	12	35	0.63	206

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1679165	0.075	3	2	0.022	0.15	0.05	0.02	4.5	0.05	0.025	6	0.25	0.1
1679166	0.073	3	1.75	0.026	0.19	0.05	0.03	5.8	0.1	0.025	5	0.25	0.1
1679167	0.071	3	1.84	0.033	0.15	0.05	0.03	8.3	0.05	0.025	6	0.25	0.1
1679168	0.052	2	1.37	0.04	0.08	0.05	0.04	5.2	0.05	0.025	4	0.25	0.1
1679169	0.163	0.5	2.92	0.025	0.09	0.05	0.02	12.1	0.05	0.025	9	0.25	0.1
1679170	0.095	2	1.75	0.051	0.06	0.1	0.04	6.1	0.05	0.025	5	0.25	0.1
1679171	0.17	3	2.6	0.022	0.15	0.1	0.02	10.6	0.05	0.025	9	0.25	0.1
1679172	0.073	3	1.94	0.038	0.07	0.1	0.04	5.3	0.05	0.025	6	0.6	0.1
1679173	0.084	3	1.65	0.033	0.08	0.05	0.03	5.3	0.05	0.08	5	0.25	0.1
1679174	0.106	2	1.79	0.048	0.07	0.1	0.03	7.1	0.05	0.025	5	0.25	0.1
1679175	0.102	3	1.59	0.037	0.06	0.1	0.03	5.7	0.05	0.025	5	0.25	0.1
1679176	0.106	2	1.84	0.047	0.05	0.1	0.03	5.6	0.05	0.025	5	0.25	0.1
1679177	0.115	3	1.52	0.062	0.07	0.1	0.02	5	0.05	0.025	5	0.25	0.1
1679178	0.101	4	1.49	0.049	0.06	0.1	0.03	5	0.05	0.025	5	0.25	0.1
1679179	0.094	2	1.58	0.024	0.04	0.05	0.03	4.5	0.05	0.025	5	0.25	0.1
1679180	0.019	1	0.28	0.026	0.02	0.05	0.03	1	0.05	0.025	0.5	0.25	0.1
1679181	0.039	2	0.71	0.015	0.02	0.05	0.03	1.7	0.05	0.025	4	0.25	0.1
1677583	0.112	2	2.21	0.021	0.05	0.05	0.02	5.2	0.1	0.025	8	0.25	0.1
1677584	0.135	2	2.38	0.03	0.04	0.05	0.02	7.8	0.05	0.025	7	0.25	0.1
1677585	0.129	2	2.36	0.027	0.05	0.05	0.03	8.6	0.05	0.025	8	0.25	0.1
1677586	0.121	2	2.31	0.039	0.06	0.05	0.03	6.9	0.05	0.025	6	0.25	0.1
1677587	0.12	2	2.41	0.039	0.05	0.05	0.02	7.6	0.05	0.025	7	0.25	0.1
1677588	0.111	2	2.29	0.028	0.05	0.05	0.02	6	0.05	0.025	7	0.25	0.1
1677589	0.107	2	2.28	0.027	0.08	0.05	0.02	5.3	0.05	0.025	7	0.25	0.1
1677590	0.089	2	1.93	0.031	0.07	0.05	0.02	4.4	0.05	0.025	6	0.25	0.1
1677591	0.115	2	2.18	0.034	0.07	0.05	0.02	5.6	0.05	0.025	7	0.25	0.1
1677592	0.113	2	1.98	0.042	0.08	0.05	0.03	6.6	0.05	0.025	6	0.25	0.1
1677593	0.115	2	1.95	0.042	0.1	0.05	0.02	5	0.05	0.025	6	0.25	0.1
1677594	0.101	3	1.72	0.048	0.1	0.05	0.03	5.9	0.05	0.025	5	0.25	0.1
1677595	0.12	3	1.66	0.054	0.08	0.1	0.03	5.6	0.05	0.06	5	0.6	0.1
1677596	0.118	3	1.72	0.05	0.08	0.1	0.03	5.5	0.05	0.05	5	0.6	0.1
1677597	0.11	2	1.74	0.043	0.07	0.1	0.04	5.4	0.05	0.025	5	0.25	0.1
1677598	0.119	3	1.7	0.05	0.07	0.1	0.03	5.4	0.05	0.025	5	0.7	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1677599	WEL	Alan Madsen	8/11/2018	07N	558087	6927496	-139.8734051	62.47403145	851	Auger
1677600	WEL	Alan Madsen	8/11/2018	07N	558087	6927496	-139.8734051	62.47403145	851	
1677601	WEL	Alan Madsen	8/11/2018	07N	558123	6927460	-139.8727192	62.47370275	831	Auger
1677602	WEL	Alan Madsen	8/11/2018	07N	558156	6927425	-139.8720912	62.47338348	836	Auger
1677603	WEL	Alan Madsen	8/11/2018	07N	558187	6927392	-139.8715013	62.47308247	847	Auger
1677604	WEL	Alan Madsen	8/11/2018	07N	558225	6927355	-139.870777	62.47274447	844	Auger
1677605	WEL	Alan Madsen	8/11/2018	07N	558257	6927322	-139.8701677	62.4724433	832	Auger
1677606	WEL	Alan Madsen	8/11/2018	07N	558292	6927286	-139.8695013	62.47211473	808	Auger
1677607	WEL	Alan Madsen	8/11/2018	07N	558329	6927249	-139.8687964	62.47177687	795	Auger
1677608	WEL	Alan Madsen	8/11/2018	07N	558364	6927213	-139.8681301	62.4714483	774	Auger
1677609	WEL	Alan Madsen	8/11/2018	07N	558400	6927179	-139.8674436	62.47113751	770	Auger
1677610	WEL	Alan Madsen	8/11/2018	07N	558435	6927140	-139.8667783	62.47078201	786	Auger
1677611	WEL	Alan Madsen	8/11/2018	07N	558468	6927106	-139.86615	62.47047169	759	Auger
1677612	WEL	Alan Madsen	8/11/2018	07N	558505	6927069	-139.8654453	62.47013382	741	Auger
1677613	WEL	Alan Madsen	8/11/2018	07N	558539	6927034	-139.864798	62.46981436	738	Auger
1677614	WEL	Alan Madsen	8/11/2018	07N	558574	6926997	-139.8641321	62.46947679	720	Auger
1676526	WEL	Alexander Arbery	8/11/2018	07N	558157	6927710	-139.8719753	62.47594098	802	Auger
1676527	WEL	Alexander Arbery	8/11/2018	07N	558192	6927673	-139.8713091	62.47560344	761	Auger
1676528	WEL	Alexander Arbery	8/11/2018	07N	558226	6927639	-139.8706613	62.47529299	765	Auger
1676529	WEL	Alexander Arbery	8/11/2018	07N	558261	6927603	-139.8699948	62.47496442	774	Auger
1676530	WEL	Alexander Arbery	8/11/2018	07N	558297	6927567	-139.869309	62.4746357	758	Auger
1676531	WEL	Alexander Arbery	8/11/2018	07N	558333	6927531	-139.8686231	62.47430697	774	Auger
1676532	WEL	Alexander Arbery	8/11/2018	07N	558367	6927496	-139.8679757	62.47398753	809	Mattock
1676533	WEL	Alexander Arbery	8/11/2018	07N	558402	6927460	-139.8673093	62.47365895	766	Auger
1676534	WEL	Alexander Arbery	8/11/2018	07N	558437	6927424	-139.8666429	62.47333037	772	Auger
1676535	WEL	Alexander Arbery	8/11/2018	07N	558506	6927353	-139.8653292	62.47268233	768	Auger
1676536	WEL	Alexander Arbery	8/11/2018	07N	558577	6927281	-139.8639771	62.47202499	739	Auger
1676537	WEL	Alexander Arbery	8/11/2018	07N	558647	6927210	-139.8626441	62.47137677	754	Auger
1676538	WEL	Alexander Arbery	8/11/2018	07N	558718	6927138	-139.8612921	62.4707194	737	Auger
1676539	WEL	Alexander Arbery	8/11/2018	07N	558684	6927172	-139.8619397	62.4710299	747	Auger
1676540	WEL	Alexander Arbery	8/11/2018	07N	558613	6927244	-139.8632917	62.47168726	746	Auger
1676541	WEL	Alexander Arbery	8/11/2018	07N	558543	6927315	-139.8646247	62.47233548	752	Auger
1676542	WEL	Alexander Arbery	8/11/2018	07N	558473	6927388	-139.8659571	62.47300163	782	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1677599	90	B	Pronounced Slo	Dark Grey Black	Alders	Sphagnum Moss < 30cm	Damp	Good	Clay
1677600									
1677601	50	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Sphagnum Moss < 30cm	Damp	Poor	Sand
1677602	50	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Leaf Cover	Damp	Good	Sand
1677603	60	C	Subtle Slope	Grey	Alders	Burnt Moss	Damp	Good	Sand
1677604	50	C	Pronounced Slo	Reddish Brown	Alders	Leaf Cover	Damp	Poor	Gravel
1677605	50	C	Subtle Slope	Chocolate Brow	Dwarf Birch	Burnt Moss	Damp	Good	Sand
1677606	50	C	Steep	Light Brown	Alders	Burnt Moss	Dry	Good	Sand
1677607	60	C	Subtle Slope	Chocolate Brow	Dwarf Birch	Burnt Moss	Damp	Good	Sand
1677608	60	C	Subtle Slope	Chocolate Brow	Alders	Leaf Cover	Damp	Good	Sand
1677609	60	C	Subtle Slope	Chocolate Brow	Dwarf Birch	Burnt Moss	Damp	Good	Sand
1677610	60	B	Subtle Slope	Chocolate Brow	Alders	Burnt Moss	Damp	Good	Clay
1677611	60	B	Subtle Slope	Grey	Alders	Burnt Moss	Damp	Good	Clay
1677612	60	B	Subtle Slope	Grey	Dwarf Birch	Burnt Moss	Damp	Good	Clay
1677613	70	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Burnt Moss	Damp	Good	Clay
1677614	60	B	Flat	Chocolate Brow	Dwarf Birch	Burnt Moss	Damp	Good	Clay
1676526	110	C	Subtle Slope	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Silt
1676527	90	C	Subtle Slope	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Silt
1676528	40	B	Subtle Slope	Dark Grey Black	Alders	Thin Moss Cover	Damp	Poor	Clay
1676529	60	B	Subtle Slope	Chocolate Brow	Willows	Reindeer Moss	Damp	Good	Clay
1676530	50	B	Pronounced Slo	Dark Brown	Black Spruce	Grass Cover	Damp	Good	Silt
1676531	80	C	Pronounced Slo	Dark Brown	Willows	Thin Moss Cover	Damp	Good	Silt
1676532	40	C	Pronounced Slo	Chocolate Brow	Black Spruce	Thin Moss Cover	Damp	Good	Silt
1676533	70	B	Pronounced Slo	Chocolate Brow	Old Burn	Thin Moss Cover	Damp	Good	Silt
1676534	40	B	Pronounced Slo	Chocolate Brow	Birch Forest	Thin Moss Cover	Damp	Good	Sand
1676535	110	C	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Silt
1676536	80	C	Subtle Slope	Dark Brown	Birch Forest	Grass Cover	Damp	Good	Silt
1676537	60	B	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Damp	Good	Clay
1676538	70	B	Flat	Chocolate Brow	Black Spruce	Thin Moss Cover	Damp	Good	Clay
1676539	90	B	Flat	Chocolate Brow	Black Spruce	Thin Moss Cover	Damp	Good	Clay
1676540	70	B	Subtle Slope	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Clay
1676541	80	B	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Silt
1676542	70	B	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Silt

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1677599	Clay			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1677600				'00116613	1677599	Soil	WEL-20180816-0	White Gold C	WHI18000759
1677601	Rocky Sample,Rocky Terrain,Sandy			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1677602	Rusty Rock Chip,Sandy			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1677603	Sandy			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1677604	Rocky Sample,Rusty Rock Chip			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1677605	Sandy			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1677606	Fine,Sandy			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1677607	Sandy			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1677608	Sandy			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1677609	Sandy			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1677610	Clay			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1677611	Clay			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1677612	Clay			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1677613	Clay			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1677614	Clay			'00116613		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676526	Bright Orange Rust,Clay,Fine,Possible Creek Contamination,Sandy			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676527	Bright Orange Rust,Dull Red Rust,Fine,Possible Creek Contamination,			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676528	Organic 10%,Partially Frozen,Possible Creek Contamination			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676529	Fine,Possible Creek Contamination,Sandy			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676530	Clay,Coarse,Partially Frozen,Rusty Rock Chip			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676531	Bright Orange Rust,Clay,Fine,Sandy			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676532	Bright Orange Rust,Clay,Fine,Rocky Sample,Rocky Terrain,Rusty Roc			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676533	Fine,Sandy			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676534	Fine,Rocky Terrain			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676535	Bright Orange Rust,Dull Red Rust,Fine,Sandy			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676536	Fine,Sandy			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676537	Clay			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676538	Clay			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676539	Clay			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676540	Clay,Fine			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676541	Clay,Fine			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759
1676542	Clay,Fine			'00116611		Soil	WEL-20180816-0	White Gold C	WHI18000759

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1677599	9/13/2018	8/27/2018	0.5	39.7	6.1	63	0.1	28.9	11.7	420	2.62	5.9	1.1
1677600	9/13/2018	8/27/2018	0.5	40.6	6.4	65	0.1	29.5	12.4	461	2.56	6.3	1.1
1677601	9/13/2018	8/27/2018	0.7	64.3	7	62	0.1	34	20.5	491	3.97	20.9	0.5
1677602	9/13/2018	8/27/2018	0.9	104.6	7.7	72	0.1	35.6	18.3	624	3.85	23.7	0.5
1677603	9/13/2018	8/27/2018	2.9	62.8	11.8	106	0.3	41.5	18	891	3.62	24.8	0.5
1677604	9/13/2018	8/27/2018	1.3	162.4	5.9	69	0.2	69.8	30.5	620	6.35	43.2	0.7
1677605	9/13/2018	8/27/2018	0.6	55.6	6.9	56	0.05	32.6	16.2	623	3.24	9.2	0.4
1677606	9/13/2018	8/27/2018	0.7	64.9	7.7	64	0.05	39.6	16.1	581	3.53	15	0.5
1677607	9/13/2018	8/27/2018	0.7	54.4	7	57	0.05	32.5	13.3	530	3.25	16.9	0.4
1677608	9/13/2018	8/27/2018	1.1	51.1	9.2	58	0.1	33.2	13.4	597	3.27	17.6	0.5
1677609	9/13/2018	8/27/2018	0.4	61	8	62	0.05	34.5	14.3	528	3.47	12.6	0.6
1677610	9/13/2018	8/27/2018	0.6	56.7	7.7	60	0.05	35.3	13.7	513	3.27	11.9	0.7
1677611	9/13/2018	8/27/2018	0.5	46.2	5.7	55	0.05	30.6	13.5	462	2.86	10	0.6
1677612	9/13/2018	8/27/2018	0.4	37.7	5.5	53	0.05	28.4	12	446	2.68	8.9	0.8
1677613	9/13/2018	8/27/2018	0.6	48.3	6.5	59	0.05	35.6	14.6	533	3.2	9.1	0.6
1677614	9/13/2018	8/27/2018	0.6	42.4	6.6	51	0.05	31	12.4	477	2.82	9.1	1
1676526	9/13/2018	8/27/2018	0.6	51.1	6.9	73	0.05	32.3	15.4	608	3.39	10.6	0.9
1676527	9/13/2018	8/27/2018	0.7	49.7	7.3	62	0.1	32.5	15.5	500	3.41	27.4	1.4
1676528	9/13/2018	8/27/2018	0.3	37	6.6	53	0.1	21.4	7.8	220	1.69	4.1	0.7
1676529	9/13/2018	8/27/2018	0.6	39	5.9	59	0.05	30.7	13.4	474	2.74	8.3	0.7
1676530	9/13/2018	8/27/2018	0.5	42.3	6.9	65	0.05	29.4	15.3	407	2.89	11.5	0.9
1676531	9/13/2018	8/27/2018	0.4	67.1	6.1	57	0.05	34	14.9	445	2.55	10	0.9
1676532	9/13/2018	8/27/2018	0.5	86.9	3.7	63	0.1	40.2	21.8	514	4.18	165.3	0.4
1676533	9/13/2018	8/27/2018	0.7	52	6.5	61	0.05	33.4	15.9	532	3.21	8.9	0.5
1676534	9/13/2018	8/27/2018	0.6	47.9	6	52	0.05	26.2	13.3	364	2.8	8.8	0.5
1676535	9/13/2018	8/27/2018	0.8	51.2	6	60	0.05	33.4	15.1	423	2.93	12.6	0.7
1676536	9/13/2018	8/27/2018	0.5	48.6	6.6	58	0.05	33.5	13.8	493	3.07	8.6	0.8
1676537	9/13/2018	8/27/2018	0.6	41.6	6.1	56	0.05	31.1	14.2	541	2.96	8.4	0.5
1676538	9/13/2018	8/27/2018	0.6	52.3	6.4	59	0.1	35.7	14.5	490	3.04	8.7	0.6
1676539	9/13/2018	8/27/2018	0.8	44.4	6.7	56	0.05	31.8	14.2	524	2.97	7.9	0.9
1676540	9/13/2018	8/27/2018	0.6	48.8	6.5	55	0.05	33	14.4	512	3	8.4	0.5
1676541	9/13/2018	8/27/2018	0.7	43.5	7	59	0.05	33.2	15.2	567	3.11	9.5	0.8
1676542	9/13/2018	8/27/2018	0.6	42.2	6.1	54	0.05	31	13.7	481	2.91	8.5	0.6

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1677599	4.7	2.4	61	0.3	0.6	0.1	68	1.34	0.074	13	36	0.67	200
1677600	3.7	2.6	59	0.3	0.6	0.1	71	1.29	0.074	13	37	0.7	203
1677601	6.2	2.3	43	0.2	0.5	0.1	107	0.91	0.049	12	41	0.89	211
1677602	13.5	2.8	52	0.2	0.6	0.2	101	1.03	0.057	17	44	0.86	242
1677603	121.6	3.3	65	0.5	2.5	0.2	79	1.17	0.09	13	38	0.81	306
1677604	23.9	2.4	30	0.1	0.7	0.1	163	0.63	0.035	11	124	1.31	484
1677605	6.6	2.3	43	0.05	0.4	0.1	90	0.77	0.047	13	44	0.74	191
1677606	5.3	3	58	0.05	0.5	0.1	100	1.08	0.055	16	51	0.88	209
1677607	5.7	2.4	48	0.05	0.5	0.1	86	0.96	0.057	14	43	0.74	178
1677608	5.9	2.8	46	0.2	0.8	0.1	79	0.86	0.076	13	37	0.73	175
1677609	5.9	2.8	63	0.05	0.6	0.1	93	1.42	0.061	14	48	0.88	199
1677610	5.6	2.7	70	0.2	0.5	0.1	85	1.69	0.069	15	42	0.85	203
1677611	3.2	2.3	62	0.2	0.6	0.1	78	1.69	0.076	13	32	0.76	164
1677612	11.4	2.3	57	0.05	0.5	0.1	84	1.28	0.075	12	34	0.63	163
1677613	4.8	2.8	72	0.2	0.5	0.1	87	1.75	0.076	15	40	0.86	192
1677614	6.3	2.6	66	0.05	0.5	0.1	78	1.2	0.072	14	38	0.77	189
1676526	5.8	3	61	0.3	0.6	0.1	97	1.14	0.09	16	43	0.81	198
1676527	5.1	2.7	55	0.2	0.8	0.2	76	0.96	0.085	15	35	0.65	266
1676528	8.5	1.4	49	0.3	0.5	0.1	51	0.97	0.074	11	29	0.62	316
1676529	2.5	2.5	43	0.2	0.4	0.1	78	0.89	0.075	12	35	0.64	153
1676530	2.6	2.4	44	0.2	0.6	0.1	75	0.87	0.062	12	33	0.62	206
1676531	8.7	1.9	51	0.2	0.6	0.1	74	1.28	0.054	11	37	0.73	190
1676532	153.3	1.3	36	0.1	1.1	0.05	114	1.06	0.035	7	59	0.91	195
1676533	4.1	2.4	66	0.1	0.6	0.1	88	1.69	0.067	14	44	0.89	155
1676534	3.1	2.1	45	0.2	0.4	0.1	84	0.92	0.048	12	42	0.69	157
1676535	4.1	2.5	73	0.2	0.7	0.1	83	1.73	0.057	13	39	0.72	168
1676536	11.8	2.6	59	0.1	0.4	0.1	84	1.19	0.07	14	41	0.76	191
1676537	10.4	2.6	73	0.2	0.5	0.05	82	2.18	0.069	13	38	0.85	157
1676538	2.6	2.6	57	0.1	0.6	0.05	86	1.35	0.072	14	42	0.76	184
1676539	5	2.3	63	0.2	0.5	0.1	83	1.22	0.07	13	40	0.76	189
1676540	2.8	2.9	66	0.1	0.5	0.1	81	1.77	0.069	14	39	0.82	172
1676541	3	2.7	60	0.2	0.5	0.1	88	1.19	0.065	14	44	0.78	191
1676542	3.6	2.6	63	0.1	0.5	0.05	80	1.61	0.064	13	40	0.78	169

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1677599	0.13	4	1.64	0.053	0.07	0.1	0.03	6.1	0.05	0.025	5	0.6	0.1
1677600	0.128	3	1.76	0.053	0.07	0.1	0.03	6	0.05	0.025	5	0.25	0.1
1677601	0.148	3	2.48	0.045	0.06	0.2	0.03	9.1	0.05	0.025	7	0.25	0.1
1677602	0.138	3	2.43	0.053	0.06	0.1	0.04	10.9	0.05	0.025	7	0.5	0.1
1677603	0.106	3	1.82	0.059	0.08	0.1	0.06	7.4	0.05	0.025	5	0.25	0.1
1677604	0.119	2	4.08	0.022	0.06	0.1	0.02	21.9	0.1	0.025	10	0.25	0.1
1677605	0.111	2	1.98	0.049	0.04	0.05	0.03	8.5	0.05	0.025	6	0.25	0.1
1677606	0.168	3	2.31	0.07	0.07	0.1	0.04	9.1	0.05	0.025	6	0.25	0.1
1677607	0.111	3	1.81	0.063	0.06	0.1	0.03	6.6	0.05	0.025	5	0.25	0.1
1677608	0.109	2	1.9	0.062	0.07	0.05	0.03	6.5	0.05	0.025	5	0.25	0.1
1677609	0.158	2	2.23	0.07	0.07	0.1	0.03	7.9	0.05	0.025	6	0.25	0.1
1677610	0.149	3	1.93	0.074	0.09	0.1	0.02	6.7	0.05	0.025	5	0.25	0.1
1677611	0.118	3	1.6	0.06	0.07	0.1	0.02	5.5	0.05	0.025	5	0.25	0.1
1677612	0.116	4	1.45	0.054	0.07	0.2	0.02	5	0.05	0.025	5	0.25	0.1
1677613	0.156	3	1.8	0.073	0.09	0.1	0.02	6.3	0.05	0.025	5	0.25	0.1
1677614	0.124	3	1.86	0.065	0.07	0.1	0.03	6	0.05	0.025	5	0.25	0.1
1676526	0.161	4	1.93	0.069	0.06	0.1	0.02	6.9	0.05	0.025	5	0.25	0.1
1676527	0.099	3	1.57	0.051	0.05	0.1	0.04	6.9	0.05	0.025	5	0.7	0.1
1676528	0.07	3	1.61	0.045	0.05	0.05	0.05	4.7	0.05	0.025	4	0.5	0.1
1676529	0.116	3	1.72	0.049	0.06	0.1	0.03	6.2	0.05	0.025	5	0.25	0.1
1676530	0.103	3	1.67	0.044	0.05	0.1	0.03	6.2	0.05	0.025	5	0.25	0.1
1676531	0.1	3	1.55	0.043	0.06	0.05	0.04	6.9	0.05	0.025	5	0.8	0.1
1676532	0.061	2	2.14	0.034	0.06	0.2	0.03	10.6	0.05	0.025	6	0.25	0.1
1676533	0.141	4	1.79	0.069	0.07	0.1	0.03	6.6	0.05	0.025	5	0.25	0.1
1676534	0.124	2	1.93	0.059	0.06	0.05	0.02	6.1	0.05	0.025	5	0.25	0.1
1676535	0.136	4	1.7	0.073	0.06	0.05	0.03	6.5	0.05	0.05	5	0.25	0.1
1676536	0.123	2	1.94	0.062	0.07	0.1	0.02	6.3	0.05	0.025	5	0.25	0.1
1676537	0.139	3	1.66	0.07	0.08	0.1	0.02	5.8	0.05	0.025	5	0.25	0.1
1676538	0.133	3	1.88	0.064	0.08	0.1	0.02	6.4	0.05	0.025	5	0.5	0.1
1676539	0.124	3	1.86	0.065	0.06	0.05	0.02	6.1	0.05	0.025	5	0.25	0.1
1676540	0.136	3	1.8	0.068	0.07	0.1	0.02	5.7	0.05	0.025	5	0.25	0.1
1676541	0.134	2	1.97	0.069	0.07	0.1	0.02	6.6	0.05	0.025	6	0.25	0.1
1676542	0.129	3	1.78	0.064	0.06	0.05	0.02	6.1	0.05	0.025	5	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1678536	WEL	Alexander Arbery	8/11/2018	07N	557667	6928209	-139.8813097	62.48049559	967	Auger
1678537	WEL	Alexander Arbery	8/11/2018	07N	557702	6928174	-139.8806426	62.48017605	942	Auger
1678538	WEL	Alexander Arbery	8/11/2018	07N	557737	6928137	-139.8799763	62.47983856	917	Auger
1678539	WEL	Alexander Arbery	8/11/2018	07N	557771	6928103	-139.8793283	62.47952814	909	Auger
1678540	WEL	Alexander Arbery	8/11/2018	07N	557807	6928066	-139.8786426	62.47919049	874	Auger
1678541	WEL	Alexander Arbery	8/11/2018	07N	557842	6928031	-139.8779756	62.47887093	870	Auger
1678542	WEL	Alexander Arbery	8/11/2018	07N	557877	6927995	-139.8773089	62.47854241	870	Auger
1678543	WEL	Alexander Arbery	8/11/2018	07N	557911	6927960	-139.8766613	62.478223	856	Auger
1678544	WEL	Alexander Arbery	8/11/2018	07N	557947	6927923	-139.8759757	62.47788534	843	Auger
1678545	WEL	Alexander Arbery	8/11/2018	07N	557982	6927888	-139.8753087	62.47756577	824	Auger
1678546	WEL	Alexander Arbery	8/11/2018	07N	558017	6927852	-139.8746422	62.47723723	816	Auger
1678547	WEL	Alexander Arbery	8/11/2018	07N	558052	6927816	-139.8739756	62.47690868	800	Auger
1678548	WEL	Alexander Arbery	8/11/2018	07N	558087	6927780	-139.873309	62.47658013	803	Auger
1678549	WEL	Alexander Arbery	8/11/2018	07N	558122	6927745	-139.8726421	62.47626056	798	Auger
1678550	WEL	Alexander Arbery	8/11/2018	07N	558122	6927745	-139.8726422	62.47626056	798	
1679644	WEL	Brendan Cooper	8/11/2018	07N	557453	6927999	-139.8855304	62.47864419	1026	Auger
1679645	WEL	Brendan Cooper	8/11/2018	07N	557487	6927964	-139.8848828	62.47832483	1011	Auger
1679646	WEL	Brendan Cooper	8/11/2018	07N	557523	6927927	-139.884197	62.4779872	1010	Auger
1679647	WEL	Brendan Cooper	8/11/2018	07N	557558	6927891	-139.8835303	62.4776587	969	Auger
1679648	WEL	Brendan Cooper	8/11/2018	07N	557592	6927856	-139.8828827	62.47733933	981	Auger
1679649	WEL	Brendan Cooper	8/11/2018	07N	557627	6927821	-139.8822157	62.47701979	966	Auger
1679650	WEL	Brendan Cooper	8/11/2018	07N	557627	6927821	-139.8822157	62.47701979	966	
1679651	WEL	Brendan Cooper	8/11/2018	07N	557663	6927785	-139.8815296	62.47669113	927	Auger
1679652	WEL	Brendan Cooper	8/11/2018	07N	557697	6927749	-139.8808824	62.47636277	890	Auger
1679653	WEL	Brendan Cooper	8/11/2018	07N	557732	6927714	-139.8802154	62.47604323	877	Auger
1679654	WEL	Brendan Cooper	8/11/2018	07N	557767	6927678	-139.8795488	62.47571471	856	Auger
1679655	WEL	Brendan Cooper	8/11/2018	07N	557803	6927642	-139.8788628	62.47538603	842	Auger
1679656	WEL	Brendan Cooper	8/11/2018	07N	557838	6927606	-139.8781963	62.47505751	853	Auger
1679657	WEL	Brendan Cooper	8/11/2018	07N	557873	6927570	-139.8775297	62.47472898	813	Auger
1679658	WEL	Brendan Cooper	8/11/2018	07N	557907	6927535	-139.8768822	62.47440958	884	Auger
1679659	WEL	Brendan Cooper	8/11/2018	07N	557942	6927499	-139.8762157	62.47408104	838	Auger
1679660	WEL	Brendan Cooper	8/11/2018	07N	557978	6927463	-139.8755298	62.47375235	896	Auger
1679661	WEL	Brendan Cooper	8/11/2018	07N	558014	6927426	-139.8748442	62.47341468	868	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1678536	70	B	Pronounced Slo	Dark Brown	Willows	Grass Cover	Damp	Good	Silt
1678537	40	B	Pronounced Slo	Reddish Brown	Willows	Burnt Moss	Damp	Good	Silt
1678538	50	B	Pronounced Slo	Reddish Brown	Birch Forest	Grass Cover	Damp	Good	Silt
1678539	50	B	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Silt
1678540	50	B	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Silt
1678541	50	B	Subtle Slope	Dark Brown	Alders	Leaf Cover	Damp	Good	Silt
1678542	50	B	Pronounced Slo	Chocolate Brow	Alders	Thin Moss Cover	Damp	Good	Silt
1678543	50	B	Pronounced Slo	Chocolate Brow	White Spruce	Thin Moss Cover	Damp	Good	Clay
1678544	50	B	Pronounced Slo	Chocolate Brow	White Spruce	Thin Moss Cover	Damp	Good	Clay
1678545	50	C	Subtle Slope	Chocolate Brow	White Spruce	Thin Moss Cover	Damp	Good	Clay
1678546	60	B	Subtle Slope	Dark Brown	Birch Forest	Grass Cover	Damp	Good	Silt
1678547	90	B	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Silt
1678548	80	B	Pronounced Slo	Grey	Alders	Leaf Cover	Damp	Good	Silt
1678549	40	B	Subtle Slope	Dark Brown	Alders	Thin Moss Cover	Damp	Poor	Silt
1678550									
1679644	50	C	Pronounced Slo	Chocolate Brow	Alders	Leaf Cover	Damp	Good	Clay
1679645	60	C	Pronounced Slo	Chocolate Brow	Alders	Grass Cover	Damp	Good	Silt
1679646	50	C	Pronounced Slo	Chocolate Brow	Alders	Sphagnum Moss < 30cm	Damp	Good	Silt
1679647	50	C	Pronounced Slo	Chocolate Brow	Alders	Leaf Cover	Damp	Good	Silt
1679648	60	C	Subtle Slope	Chocolate Brow	Alders	Leaf Cover	Damp	Good	Silt
1679649	50	C	Subtle Slope	Chocolate Brow	Dwarf Birch	Grass Cover	Damp	Good	Silt
1679650									
1679651	60	C	Pronounced Slo	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Silt
1679652	60	C	Pronounced Slo	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Silt
1679653	60	C	Pronounced Slo	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Silt
1679654	60	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Grass Cover	Damp	Good	Clay
1679655	50	B	Subtle Slope	Dark Brown	Alders	Leaf Cover	Damp	Poor	Clay
1679656	50	B	Subtle Slope	Dark Brown	Black Spruce	Bare Soil	Damp	Poor	Clay
1679657	60	C	Pronounced Slo	Dark Brown	Black Spruce	Reindeer Moss	Damp	Good	Clay
1679658	60	C	Pronounced Slo	Chocolate Brow	Birch Forest	Leaf Cover	Damp	Good	Silt
1679659	80	B	Subtle Slope	Dark Brown	Black Spruce	Thin Moss Cover	Damp	Good	Clay
1679660	80	B	Subtle Slope	Grey	Black Spruce	Burnt Moss	Damp	Good	Silt
1679661	50	C	Subtle Slope	Chocolate Brow	Birch Forest	Leaf Cover	Dry	Good	Silt

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1678536	Bright Orange Rust,Rocky Sample,Rocky Terrain,Sandy			'00116611		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678537	Fine,Rocky Terrain			'00116611		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678538	Fine,Rocky Terrain			'00116611		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678539	Fine,Rocky Terrain			'00116611		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678540	Fine,Organic 10%,Rocky Terrain			'00116611		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678541	Bright Orange Rust,Clay,Fine,Partially Frozen,Possible Creek Contami			'00116611		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678542	Clay,Fine,Organic 10%,Possible Creek Contamination			'00116611		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678543	Possible Creek Contamination,Rocky Terrain,Sandy			'00116611		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678544	Rocky Terrain,Sandy			'00116611		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678545	Bright Orange Rust,Clay,Possible Creek Contamination			'00116611		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678546	Clay,Fine,Organic 10%,Possible Creek Contamination			'00116611		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678547	Clay,Fine,Possible Creek Contamination,Sandy			'00116611		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678548	Fine,Sandy			'00116611		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678549	Clay,Fine,Organic 10%,Partially Frozen,Possible Creek Contamination			'00116611		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1678550				'00116611	1678549	Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679644	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679645	Clay,Coarse,Rocky Sample,Sandy			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679646	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679647	Clay,Coarse			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679648	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679649	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679650				'00116612	1679649	Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679651	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679652	Clay,Coarse			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679653	Clay,Coarse,Rocky Sample,Sandy			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679654	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679655	Clay,Coarse,Possible Creek Contamination			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679656	Clay,Coarse,Organic 10%,Sandy			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679657	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679658	Bright Orange Rust,Clay,Coarse,Rocky Sample,Rusty Rock Chip,Sand			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679659	Clay,Coarse,Rocky Sample,Sandy			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679660	Clay,Coarse			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1679661	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold Co	WHI18000759

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1678536	9/13/2018	8/27/2018	0.9	57.2	10.1	70	0.5	32.5	13.1	583	3.07	26.8	1.9
1678537	9/13/2018	8/27/2018	1.2	44	8.3	73	0.1	30.9	18.8	601	3.99	8.4	0.6
1678538	9/13/2018	8/27/2018	0.8	47.3	8	56	0.1	29.3	14.4	361	3.61	9	0.6
1678539	9/14/2018	8/27/2018	0.7	53.1	7.7	52	0.1	32.6	14.3	475	3.39	11.2	0.7
1678540	9/13/2018	8/27/2018	0.6	52.3	7.4	63	0.1	36.3	17.9	650	3.69	9.3	0.7
1678541	9/13/2018	8/27/2018	0.4	48.8	5.6	46	0.1	29	12.3	432	2.79	7.6	0.6
1678542	9/13/2018	8/27/2018	0.9	26.1	7.1	40	0.3	16.2	6.6	174	2.09	4.4	0.5
1678543	9/13/2018	8/27/2018	1.3	22.2	11	53	0.05	23.4	9.9	311	2.94	7.6	0.6
1678544	9/14/2018	8/27/2018	1	28.2	9.7	54	0.1	20.8	10.4	385	3.08	9.4	0.7
1678545	9/13/2018	8/27/2018	0.6	31.8	9.4	53	0.05	23.1	12.6	339	2.96	9	0.9
1678546	9/13/2018	8/27/2018	0.5	27	4.9	52	0.05	22.6	10.2	392	2.47	5.2	0.9
1678547	9/13/2018	8/27/2018	0.5	39.9	5.9	56	0.05	30.1	13.5	475	2.91	7	0.8
1678548	9/13/2018	8/27/2018	0.4	28.4	5	53	0.05	24.9	12.5	394	2.7	6.7	0.5
1678549	9/13/2018	8/27/2018	1	30.5	5.4	56	0.05	27.9	21.1	2200	3.25	12.7	0.8
1678550	9/13/2018	8/27/2018	0.5	28.8	4.7	55	0.05	21.2	10.7	672	2.47	7.5	0.7
1679644	9/13/2018	8/27/2018	0.8	32.2	5.5	40	0.3	19.6	10.6	554	2.32	5.8	0.4
1679645	9/13/2018	8/27/2018	0.7	69.2	8.2	63	0.05	31.8	15.8	503	3.66	9	0.6
1679646	9/13/2018	8/27/2018	0.6	50.4	6.5	55	0.05	27.2	12.7	322	3.5	7.2	0.5
1679647	9/13/2018	8/27/2018	0.5	68.1	6.5	58	0.1	29.4	15.8	579	3.41	6.4	0.8
1679648	9/13/2018	8/27/2018	0.4	76.4	6.7	60	0.05	33	15.1	525	3.49	7.2	1.1
1679649	9/13/2018	8/27/2018	0.5	62	6.9	58	0.1	30.1	14	532	3.07	6	0.9
1679650	9/13/2018	8/27/2018	0.5	66.2	6.5	59	0.1	30.9	14.4	599	3.28	6.2	1
1679651	9/13/2018	8/27/2018	0.8	48.4	10.6	58	0.05	28.7	13.2	518	3.24	7.6	0.9
1679652	9/13/2018	8/27/2018	0.6	28.5	10.3	56	0.1	23	12.1	499	3.1	7.4	0.7
1679653	9/13/2018	8/27/2018	0.7	38.2	11	57	0.1	25.3	11.5	557	3.21	6.6	0.9
1679654	9/13/2018	8/27/2018	0.7	36.3	12.2	57	0.1	25.5	10.8	483	3.16	8.2	0.8
1679655	9/13/2018	8/27/2018	0.8	39.6	7.3	69	0.2	22	9.4	1020	1.95	7.3	1
1679656	9/13/2018	8/27/2018	1.9	57.3	10.1	54	0.8	28.3	33.3	6779	2.78	25.9	1.1
1679657	9/13/2018	8/27/2018	0.9	52.3	8.5	60	0.3	29.1	13.8	768	2.72	20.7	0.9
1679658	9/13/2018	8/27/2018	1.3	33.5	8.9	63	0.2	25.9	13.8	429	2.9	35.7	0.6
1679659	9/13/2018	8/27/2018	0.6	38.9	7.6	62	0.2	27.5	11	390	2.25	4.4	0.8
1679660	9/13/2018	8/27/2018	0.4	37.1	6.2	63	0.1	27.2	11	336	2.42	4.8	0.9
1679661	9/13/2018	8/27/2018	3.4	38.6	11.2	88	0.5	36.3	12	436	3.31	16.6	0.5

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1678536	14.4	2	52	0.3	0.8	0.1	70	1.05	0.087	28	46	0.66	249
1678537	0.25	2.5	33	0.3	0.5	0.1	97	0.52	0.036	10	46	0.78	150
1678538	1.8	3	34	0.2	0.5	0.05	88	0.61	0.024	11	49	0.73	102
1678539	3.4	3	40	0.1	0.5	0.1	87	0.76	0.035	13	50	0.75	172
1678540	10.5	3.3	41	0.2	0.5	0.1	92	0.78	0.047	14	48	0.73	191
1678541	4.1	2.3	55	0.2	0.4	0.05	73	1.16	0.056	12	33	0.68	165
1678542	1.2	1.5	30	0.2	0.3	0.1	60	0.45	0.03	9	26	0.44	121
1678543	2.5	2.6	34	0.05	0.3	0.1	77	0.52	0.034	12	41	0.7	171
1678544	1.8	2.4	36	0.1	0.5	0.2	77	0.55	0.045	14	36	0.7	212
1678545	6	3.1	49	0.1	0.3	0.05	78	0.74	0.044	19	39	0.74	205
1678546	3.6	2.1	63	0.1	0.4	0.05	72	1.21	0.076	11	32	0.64	148
1678547	5.2	2.7	58	0.1	0.5	0.1	85	1.14	0.081	13	38	0.74	160
1678548	3.3	2.3	45	0.1	0.3	0.1	79	0.96	0.085	10	31	0.73	120
1678549	10.4	2	61	0.2	0.4	0.05	81	1.25	0.084	13	35	0.69	222
1678550	3.1	1.7	53	0.2	0.4	0.05	66	1.13	0.077	10	27	0.55	139
1679644	3.7	1.3	25	0.1	0.3	0.1	65	0.37	0.037	7	28	0.48	159
1679645	6.6	3.4	44	0.05	0.6	0.05	99	0.74	0.045	15	49	0.85	191
1679646	4.1	2.3	36	0.05	0.5	0.1	94	0.54	0.043	10	42	0.78	203
1679647	8.5	2.9	47	0.1	0.4	0.05	84	0.71	0.047	14	39	0.78	185
1679648	3.6	3.1	50	0.05	0.4	0.1	92	0.78	0.052	17	43	0.84	199
1679649	11.7	2.5	49	0.3	0.5	0.1	83	0.83	0.058	15	38	0.78	199
1679650	3.8	2.5	51	0.2	0.5	0.1	83	0.79	0.056	15	40	0.75	205
1679651	2.1	3.6	46	0.1	0.5	0.1	81	0.75	0.039	22	42	0.8	227
1679652	4.8	4.1	41	0.05	0.4	0.1	71	0.62	0.044	20	36	0.74	246
1679653	2.1	3.6	49	0.2	0.5	0.1	69	0.81	0.049	32	36	0.7	325
1679654	4.2	3.9	45	0.1	0.5	0.1	69	0.73	0.044	29	36	0.7	366
1679655	6.4	1.4	69	0.3	0.9	0.1	47	1.37	0.064	15	26	0.51	444
1679656	17.8	0.5	36	0.2	0.7	0.1	65	0.41	0.106	11	34	0.33	543
1679657	10.5	2	38	0.3	0.5	0.3	69	0.53	0.056	14	37	0.61	357
1679658	8.7	2.3	33	0.2	0.6	0.2	72	0.56	0.068	12	33	0.6	181
1679659	3.1	2.5	53	0.4	0.8	0.1	65	1.14	0.065	12	33	0.65	173
1679660	2.7	2.7	53	0.4	0.6	0.1	69	1.17	0.077	12	34	0.7	158
1679661	5.1	3.3	35	0.7	1.4	0.2	75	0.61	0.055	14	36	0.7	248

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1678536	0.073	2	2.25	0.027	0.09	0.1	0.06	8.1	0.1	0.07	6	0.7	0.1
1678537	0.131	2	2.45	0.033	0.13	0.05	0.01	5.9	0.05	0.025	7	0.25	0.1
1678538	0.134	2	2.25	0.033	0.11	0.05	0.005	6.4	0.05	0.025	7	0.25	0.1
1678539	0.135	2	2.03	0.039	0.09	0.1	0.02	7.7	0.05	0.025	6	0.25	0.1
1678540	0.131	2	2.18	0.048	0.11	0.1	0.02	9.7	0.05	0.025	7	0.25	0.1
1678541	0.112	2	1.79	0.054	0.06	0.05	0.02	5.9	0.05	0.025	5	0.25	0.1
1678542	0.101	1	1.31	0.024	0.06	0.05	0.03	3.3	0.05	0.025	6	0.25	0.1
1678543	0.129	1	1.87	0.026	0.07	0.05	0.02	4.6	0.05	0.025	7	0.25	0.1
1678544	0.107	1	1.92	0.026	0.06	0.1	0.02	4.6	0.05	0.025	6	0.25	0.1
1678545	0.126	2	2.16	0.034	0.07	0.05	0.02	6.1	0.05	0.025	6	0.25	0.1
1678546	0.126	3	1.59	0.06	0.07	0.1	0.02	5.1	0.05	0.025	4	0.25	0.1
1678547	0.137	4	1.57	0.061	0.07	0.2	0.02	6.1	0.05	0.025	5	0.25	0.1
1678548	0.105	3	1.42	0.055	0.06	0.1	0.02	4.8	0.05	0.025	4	0.25	0.1
1678549	0.133	3	1.68	0.055	0.07	0.2	0.03	5.5	0.05	0.07	4	0.6	0.1
1678550	0.089	4	1.42	0.046	0.05	0.1	0.04	4.6	0.05	0.025	4	0.6	0.1
1679644	0.087	2	1.79	0.032	0.03	0.05	0.02	4.1	0.05	0.025	5	0.25	0.1
1679645	0.147	2	2.38	0.042	0.06	0.05	0.02	9.5	0.05	0.025	7	0.25	0.1
1679646	0.131	2	2.53	0.027	0.05	0.05	0.01	6.5	0.05	0.025	7	0.25	0.1
1679647	0.136	2	2.18	0.05	0.05	0.05	0.04	8.2	0.05	0.025	6	0.25	0.1
1679648	0.139	2	2.3	0.052	0.06	0.05	0.04	10.1	0.05	0.025	6	0.25	0.1
1679649	0.13	2	2.16	0.051	0.06	0.05	0.02	8.1	0.05	0.025	6	0.25	0.1
1679650	0.126	1	2.18	0.046	0.06	0.1	0.03	8.3	0.05	0.025	6	0.25	0.1
1679651	0.12	2	2.26	0.043	0.07	0.05	0.03	8	0.05	0.025	6	0.25	0.1
1679652	0.115	2	2.08	0.038	0.1	0.05	0.02	6.4	0.05	0.025	6	0.25	0.1
1679653	0.108	2	1.97	0.042	0.11	0.05	0.03	7.3	0.05	0.025	6	0.25	0.1
1679654	0.107	2	1.96	0.042	0.1	0.05	0.03	6.9	0.05	0.025	6	0.25	0.1
1679655	0.067	4	1.39	0.034	0.07	0.05	0.06	4.8	0.1	0.025	4	0.25	0.1
1679656	0.04	2	1.45	0.02	0.06	0.05	0.13	5.2	0.1	0.025	4	0.6	0.1
1679657	0.09	1	2.11	0.034	0.06	0.05	0.04	6.9	0.05	0.025	6	0.25	0.1
1679658	0.102	2	1.68	0.036	0.06	0.1	0.03	4.9	0.05	0.025	5	0.25	0.1
1679659	0.119	4	1.74	0.061	0.06	0.1	0.03	5.8	0.05	0.025	5	0.6	0.1
1679660	0.125	2	1.59	0.059	0.07	0.1	0.03	5.9	0.05	0.025	4	0.25	0.1
1679661	0.087	2	1.98	0.03	0.08	0.1	0.03	6.5	0.1	0.025	6	0.5	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1679662	WEL	Brendan Cooper	8/11/2018	07N	558046	6927391	-139.8742356	62.47309558	864	Auger
1679663	WEL	Brendan Cooper	8/11/2018	07N	558081	6927356	-139.8735688	62.472776	852	Auger
1679664	WEL	Brendan Cooper	8/11/2018	07N	558117	6927320	-139.8728829	62.47244729	850	Auger
1679665	WEL	Brendan Cooper	8/11/2018	07N	558152	6927286	-139.8722158	62.47213669	829	Auger
1679666	WEL	Brendan Cooper	8/11/2018	07N	558185	6927252	-139.8715874	62.47182639	848	Auger
1679667	WEL	Brendan Cooper	8/11/2018	07N	558221	6927215	-139.870902	62.4714887	801	Auger
1679668	WEL	Brendan Cooper	8/11/2018	07N	558258	6927177	-139.8701975	62.47114188	793	Auger
1679669	WEL	Brendan Cooper	8/11/2018	07N	558292	6927142	-139.8695501	62.47082244	774	Auger
1679670	WEL	Brendan Cooper	8/11/2018	07N	558328	6927106	-139.8688644	62.47049372	772	Auger
1679671	WEL	Brendan Cooper	8/11/2018	07N	558363	6927070	-139.868198	62.47016514	748	Auger
1679672	WEL	Brendan Cooper	8/11/2018	07N	558399	6927035	-139.867512	62.46984538	755	Auger
1679673	WEL	Brendan Cooper	8/11/2018	07N	558433	6927000	-139.8668647	62.46952594	722	Auger
1679674	WEL	Brendan Cooper	8/11/2018	07N	558467	6926964	-139.8662177	62.46919751	732	Auger
1679675	WEL	Brendan Cooper	8/11/2018	07N	558467	6926964	-139.8662177	62.46919751	732	
1679676	WEL	Brendan Cooper	8/11/2018	07N	558502	6926928	-139.8655514	62.46886893	744	Auger
1678315	WEL	Cody Reeves	8/11/2018	07N	557383	6927929	-139.8869114	62.47802682	1033	Auger
1678316	WEL	Cody Reeves	8/11/2018	07N	557415	6927893	-139.8863028	62.4776988	1036	Auger
1678317	WEL	Cody Reeves	8/11/2018	07N	557452	6927856	-139.8855977	62.47736103	1004	Auger
1678318	WEL	Cody Reeves	8/11/2018	07N	557485	6927822	-139.8849691	62.47705079	995	Auger
1678319	WEL	Cody Reeves	8/11/2018	07N	557525	6927784	-139.8842061	62.47670357	983	Auger
1678320	WEL	Cody Reeves	8/11/2018	07N	557555	6927751	-139.8836354	62.47640277	962	Auger
1678321	WEL	Cody Reeves	8/11/2018	07N	557589	6927716	-139.8829878	62.4760834	951	Auger
1678322	WEL	Cody Reeves	8/11/2018	07N	557626	6927678	-139.8822831	62.47573663	932	Auger
1678323	WEL	Cody Reeves	8/11/2018	07N	557662	6927642	-139.881597	62.47540797	885	Auger
1678324	WEL	Cody Reeves	8/11/2018	07N	557697	6927608	-139.8809298	62.4750974	866	Auger
1678325	WEL	Cody Reeves	8/11/2018	07N	557697	6927608	-139.8809298	62.4750974	866	
1678326	WEL	Cody Reeves	8/11/2018	07N	557735	6927572	-139.880205	62.47476842	864	Auger
1678327	WEL	Cody Reeves	8/11/2018	07N	557768	6927538	-139.8795765	62.47445816	888	Auger
1678328	WEL	Cody Reeves	8/11/2018	07N	557804	6927497	-139.8788923	62.47408461	884	Auger
1678329	WEL	Cody Reeves	8/11/2018	07N	557837	6927465	-139.8782631	62.4737923	891	Auger
1678330	WEL	Cody Reeves	8/11/2018	07N	557871	6927430	-139.8776157	62.4734729	874	Auger
1678331	WEL	Cody Reeves	8/11/2018	07N	557907	6927393	-139.8769301	62.47313524	899	Auger
1678332	WEL	Cody Reeves	8/11/2018	07N	557941	6927360	-139.876282	62.47283378	900	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1679662	40	C	Subtle Slope	Chocolate Brow	Dwarf Birch	Leaf Cover	Damp	Good	Clay
1679663	50	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Leaf Cover	Damp	Good	Silt
1679664	60	C	Subtle Slope	Light Brown	Old Burn	Leaf Cover	Damp	Good	Silt
1679665	60	C	Pronounced Slo	Chocolate Brow	Old Burn	Leaf Cover	Damp	Good	Silt
1679666	60	C	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Damp	Good	Clay
1679667	70	C	Subtle Slope	Chocolate Brow	Old Burn	Burnt Moss	Damp	Good	Clay
1679668	70	B	Subtle Slope	Dark Brown	Old Burn	Thin Moss Cover	Damp	Good	Clay
1679669	80	B	Subtle Slope	Dark Brown	Old Burn	Sphagnum Moss < 30cm	Damp	Good	Clay
1679670	70	B	Subtle Slope	Dark Brown	Old Burn	Thin Moss Cover	Damp	Good	Clay
1679671	80	C	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Damp	Good	Silt
1679672	60	B	Subtle Slope	Dark Brown	Old Burn	Thin Moss Cover	Damp	Good	Silt
1679673	60	B	Subtle Slope	Dark Brown	Old Burn	Burnt Moss	Damp	Good	Silt
1679674	70	C	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Damp	Good	Silt
1679675									
1679676	80	C	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Damp	Good	Clay
1678315	40	C	Subtle Slope	Chocolate Brow	Alders	Sphagnum Moss < 30cm	Damp	Good	Clay
1678316	50	C	Subtle Slope	Chocolate Brow	Alders	Grass Cover	Damp	Good	Clay
1678317	50	C	Pronounced Slo	Chocolate Brow	Alders	Grass Cover	Damp	Good	Clay
1678318	50	C	Subtle Slope	Chocolate Brow	Poplar	Sphagnum Moss < 30cm	Damp	Good	Clay
1678319	60	C	Pronounced Slo	Chocolate Brow	Alders	Grass Cover	Damp	Good	Clay
1678320	50	C	Pronounced Slo	Chocolate Brow	Poplar	Grass Cover	Dry	Good	Clay
1678321	50	C	Subtle Slope	Reddish Brown	Alders	Grass Cover	Dry	Good	Sand
1678322	50	C	Subtle Slope	Reddish Brown	Old Burn	Sphagnum Moss < 30cm	Damp	Good	Clay
1678323	60	C	Pronounced Slo	Dark Brown	Alders	Grass Cover	Dry	Good	Sand
1678324	50	C	Subtle Slope	Light Brown	Black Spruce	Sphagnum Moss < 30cm	Wet	Good	Clay
1678325									
1678326	50	C	Pronounced Slo	Chocolate Brow	Dwarf Birch	Sphagnum Moss < 30cm	Damp	Good	Clay
1678327	60	C	Subtle Slope	Chocolate Brow	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1678328	50	C	Subtle Slope	Chocolate Brow	Poplar	Grass Cover	Damp	Good	Clay
1678329	70	C	Subtle Slope	Chocolate Brow	Poplar	Leaf Cover	Damp	Good	Clay
1678330	60	C	Subtle Slope	Chocolate Brow	Poplar	Grass Cover	Damp	Good	Clay
1678331	50	C	Subtle Slope	Reddish Yellow	Poplar	Leaf Cover	Dry	Good	Sand
1678332	40	C	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Damp	Good	Sand

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1679662	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679663	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679664	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679665	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679666	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679667	Clay,Sandy			'00116612		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679668	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679669	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679670	Clay,Coarse			'00116612		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679671	Clay,Coarse,Sandy			'00116612		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679672	Clay,Coarse			'00116612		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679673	Clay,Coarse			'00116612		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679674	Clay,Coarse			'00116612		Soil	WEL-20180816-0	White Gold C	WHI18000759
1679675				'00116612	1679674	Soil	WEL-20180816-0	White Gold C	WHI18000759
1679676	Clay,Coarse			'00116612		Soil	WEL-20180816-0	White Gold C	WHI18000759
1678315	Coarse,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678316	Coarse,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678317	Coarse,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678318	Coarse,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678319	Coarse,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678320	Coarse,Rocky Terrain,Rusty Rock Chip,Sandy			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678321	Fine,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678322	Coarse,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678323	Clay,Fine,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678324	Coarse,Rocky Sample,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678325				'00116615	1678324	Soil	WEL-20180816-0	White Gold C	WHI18000760
1678326	Coarse,Mud,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678327	Coarse,Mud,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678328	Fine,Mud,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678329	Coarse,Rocky Terrain,Rusty Rock Chip,Sandy			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678330	Coarse,Rocky Sample,Rocky Terrain			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678331	Fine,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760
1678332	Clay,Fine,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold C	WHI18000760

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1679662	9/13/2018	8/27/2018	1.3	29.4	8.6	56	0.1	29.2	16.5	484	3.58	10.8	0.5
1679663	9/13/2018	8/27/2018	0.6	73.9	9	62	0.1	41.8	19.9	585	4.09	27.1	0.6
1679664	9/13/2018	8/27/2018	0.5	56.3	6.3	53	0.1	31.1	11.7	373	3.18	13.9	0.4
1679665	9/13/2018	8/27/2018	0.8	61.6	8.2	59	0.05	32.3	14.6	540	3.31	16.7	0.5
1679666	9/13/2018	8/27/2018	0.5	59.5	7.2	60	0.05	31.7	12.6	380	3.19	13.8	0.4
1679667	9/13/2018	8/27/2018	0.6	50.5	6.2	57	0.05	31.2	13.2	473	3.09	12.2	0.4
1679668	9/13/2018	8/27/2018	0.5	50.6	6.6	62	0.1	32.6	13.9	489	3.14	12.6	0.5
1679669	9/13/2018	8/27/2018	0.5	47.6	6.7	56	0.05	32.2	11.5	496	2.99	11.5	0.8
1679670	9/13/2018	8/27/2018	0.5	46.7	6.6	56	0.05	31.6	12.8	407	2.92	10.8	0.7
1679671	9/13/2018	8/27/2018	0.9	56.5	8.6	65	0.05	35.1	16	682	3.19	20.9	0.7
1679672	9/13/2018	8/27/2018	0.6	50.7	6.9	59	0.05	32.5	12.5	444	3.1	11.9	0.5
1679673	9/13/2018	8/27/2018	0.6	51.9	6.8	58	0.05	34.1	13.8	524	2.86	11.3	0.5
1679674	9/13/2018	8/27/2018	0.6	38.8	5.5	52	0.05	30.9	12.4	468	2.82	9.7	0.5
1679675	9/13/2018	8/27/2018	0.5	38.7	5.5	53	0.05	29.3	12	475	2.89	8.4	0.5
1679676	9/13/2018	8/27/2018	0.6	39.1	5.4	51	0.05	29.5	12.7	462	2.89	8.8	0.7
1678315	9/14/2018	8/27/2018	0.8	85.6	6.8	58	0.05	30.1	18.5	511	3.79	6.8	0.5
1678316	9/14/2018	8/27/2018	0.7	50.3	7.5	55	0.05	26	14.7	395	3.42	5.8	0.4
1678317	9/14/2018	8/27/2018	0.7	50.5	8.7	62	0.05	27.7	13.5	320	3.41	7.9	0.4
1678318	9/14/2018	8/27/2018	0.9	60.3	9.9	58	0.1	32.3	15.3	469	3.57	7.6	0.5
1678319	9/14/2018	8/27/2018	0.5	65.9	7.5	65	0.1	29.9	12.8	442	3.32	7.1	0.6
1678320	9/14/2018	8/27/2018	0.7	53.9	6.6	64	0.1	26.2	13.3	626	2.92	6.9	0.8
1678321	9/14/2018	8/27/2018	0.5	64.1	7.7	52	0.2	30.4	14.8	614	3.08	7.1	0.7
1678322	9/14/2018	8/27/2018	0.8	58.2	8.9	65	0.2	28.4	16	776	3.11	6.8	1
1678323	9/14/2018	8/27/2018	0.6	55.9	6.8	50	0.1	25.7	8.4	362	2.23	5.5	0.7
1678324	9/14/2018	8/27/2018	0.7	54.8	17	86	0.2	33.7	17.1	809	2.65	11	0.6
1678325	9/14/2018	8/27/2018	0.8	50.6	16.6	80	0.2	33.4	15.7	781	2.56	11.9	0.6
1678326	9/14/2018	8/27/2018	0.8	52.6	12	54	0.2	20.7	14.1	1056	2.12	6.4	0.6
1678327	9/14/2018	8/27/2018	1.1	46.1	13.4	63	0.2	29.6	20.4	1530	2.81	10.9	0.7
1678328	9/14/2018	8/27/2018	0.9	54.6	10.4	59	0.1	28.5	13.4	798	3.06	10.2	0.8
1678329	9/14/2018	8/27/2018	1.1	19.9	7.6	37	0.1	16.3	8.1	194	2.14	8.4	0.3
1678330	9/14/2018	8/27/2018	1.4	24.6	7.6	45	0.2	20.8	9.4	286	2.47	7.9	0.4
1678331	9/14/2018	8/27/2018	1	30.7	8	55	0.2	31	13.4	390	3.36	9.2	0.5
1678332	9/14/2018	8/27/2018	1.7	21.1	7.5	101	0.6	21.5	13.3	1968	2.2	4.5	0.4

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1679662	2.5	2.4	31	0.1	0.5	0.2	103	0.47	0.028	10	46	0.69	217
1679663	10.5	2.9	42	0.05	0.7	0.1	111	0.85	0.034	14	51	0.93	223
1679664	7.4	2.8	50	0.05	0.5	0.1	83	0.94	0.063	14	38	0.82	168
1679665	7.3	2.7	45	0.1	0.6	0.1	85	0.82	0.047	13	42	0.82	195
1679666	6.4	2.6	54	0.05	0.6	0.05	87	0.99	0.051	13	40	0.88	178
1679667	8.4	2.6	80	0.2	0.6	0.05	80	2.56	0.067	13	37	0.88	177
1679668	3.9	2.3	57	0.1	0.5	0.1	83	1.36	0.075	14	37	0.82	188
1679669	5.8	2.2	59	0.05	0.5	0.1	79	1.17	0.07	14	38	0.72	215
1679670	3.7	2.3	60	0.1	0.4	0.1	69	1.31	0.065	14	37	0.71	208
1679671	11.6	2.3	55	0.2	0.8	0.1	80	1.03	0.061	12	41	0.74	234
1679672	4.7	2.5	62	0.1	0.5	0.1	76	1.38	0.062	14	38	0.84	209
1679673	3.1	2.7	85	0.1	0.5	0.1	75	2.67	0.073	14	37	0.84	191
1679674	3.9	2.4	80	0.1	0.5	0.05	79	2.54	0.077	12	34	0.9	157
1679675	3	2.8	78	0.05	0.4	0.05	83	2.33	0.077	13	35	0.86	156
1679676	14.3	2.5	70	0.05	0.5	0.1	84	1.66	0.069	13	37	0.84	157
1678315	2.9	1.9	36	0.2	0.6	0.1	111	0.65	0.04	11	44	0.83	151
1678316	3.9	2.2	36	0.1	0.6	0.1	102	0.57	0.043	9	42	0.8	174
1678317	3.6	2	36	0.2	0.5	0.1	96	0.51	0.048	9	40	0.74	156
1678318	2.2	2.4	40	0.2	0.6	0.1	96	0.65	0.05	13	43	0.83	212
1678319	3	2.1	43	0.2	0.6	0.1	85	0.71	0.06	13	41	0.82	203
1678320	3.4	1.4	49	0.4	0.6	0.1	73	0.87	0.073	14	35	0.68	220
1678321	2.7	2.2	38	0.5	0.5	0.2	79	0.64	0.041	13	36	0.65	244
1678322	2.4	2.2	45	0.6	0.5	0.1	72	0.8	0.057	22	35	0.66	271
1678323	2	1	76	0.4	0.6	0.1	52	1.67	0.07	25	25	0.55	329
1678324	8.7	2.6	29	0.1	0.5	0.2	58	0.38	0.067	12	33	0.58	632
1678325	12.1	2.5	28	0.2	0.5	0.2	59	0.36	0.068	11	34	0.6	619
1678326	7.3	1.1	26	0.1	0.3	0.2	58	0.29	0.051	8	34	0.46	667
1678327	5.9	1.6	31	0.1	0.4	0.2	71	0.41	0.051	11	39	0.5	534
1678328	6.1	2	41	0.1	0.5	0.2	71	0.54	0.057	15	38	0.56	325
1678329	2	1.2	19	0.05	0.3	0.2	57	0.22	0.037	6	24	0.35	168
1678330	4.6	1.7	28	0.2	0.4	0.1	71	0.33	0.03	10	30	0.47	182
1678331	1.7	3.2	36	0.2	0.5	0.1	89	0.54	0.057	13	46	0.77	235
1678332	0.8	1.2	28	1.8	0.4	0.1	58	0.46	0.07	7	29	0.42	272

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1679662	0.124	2	2.85	0.027	0.05	0.05	0.02	5.4	0.1	0.025	7	0.25	0.1
1679663	0.147	2	2.56	0.045	0.06	0.05	0.02	11.5	0.05	0.025	7	0.25	0.1
1679664	0.134	2	1.98	0.065	0.06	0.1	0.03	7.5	0.05	0.025	6	0.25	0.1
1679665	0.135	2	2.1	0.061	0.06	0.05	0.03	9.1	0.05	0.025	6	0.25	0.1
1679666	0.127	3	2.06	0.065	0.07	0.05	0.03	7.6	0.05	0.025	5	0.25	0.1
1679667	0.138	3	1.78	0.066	0.08	0.1	0.02	6.5	0.05	0.025	5	0.25	0.1
1679668	0.112	3	2.02	0.06	0.08	0.05	0.03	6.1	0.05	0.025	5	0.25	0.1
1679669	0.109	3	1.84	0.057	0.06	0.1	0.03	6	0.05	0.025	6	0.6	0.1
1679670	0.109	2	1.92	0.052	0.06	0.05	0.02	6.2	0.05	0.025	6	0.6	0.1
1679671	0.112	2	1.91	0.055	0.07	0.05	0.03	7.1	0.05	0.025	6	0.25	0.1
1679672	0.124	3	1.94	0.063	0.09	0.1	0.02	7.2	0.05	0.025	6	0.25	0.1
1679673	0.126	3	1.76	0.062	0.09	0.1	0.02	6.1	0.05	0.025	5	0.25	0.1
1679674	0.114	3	1.54	0.061	0.08	0.1	0.02	5.3	0.05	0.025	5	0.25	0.1
1679675	0.136	3	1.66	0.064	0.07	0.1	0.04	5.4	0.05	0.025	5	0.25	0.1
1679676	0.13	3	1.63	0.066	0.07	0.2	0.02	5.4	0.05	0.025	5	0.25	0.1
1678315	0.132	3	2.19	0.029	0.04	0.05	0.03	6	0.05	0.025	6	0.25	0.1
1678316	0.145	1	2.28	0.034	0.04	0.05	0.02	5.8	0.05	0.025	6	0.25	0.1
1678317	0.131	2	1.93	0.039	0.05	0.05	0.01	6.1	0.05	0.025	6	0.25	0.1
1678318	0.121	1	2.25	0.035	0.04	0.1	0.03	7.1	0.05	0.025	6	0.25	0.1
1678319	0.121	3	2.08	0.04	0.06	0.1	0.04	7.5	0.05	0.025	6	0.25	0.1
1678320	0.092	2	1.91	0.036	0.07	0.1	0.05	7.2	0.05	0.025	5	0.25	0.1
1678321	0.098	2	1.87	0.036	0.05	0.05	0.02	6	0.05	0.025	6	0.25	0.1
1678322	0.1	2	1.87	0.037	0.08	0.1	0.03	6.3	0.05	0.025	5	0.25	0.1
1678323	0.062	4	1.44	0.031	0.06	0.05	0.05	4.6	0.05	0.025	4	0.6	0.1
1678324	0.074	1	1.65	0.017	0.06	0.05	0.03	4.2	0.05	0.025	6	0.25	0.1
1678325	0.077	1	1.79	0.019	0.05	0.05	0.03	4.5	0.05	0.025	5	0.25	0.1
1678326	0.057	1	1.54	0.017	0.04	0.05	0.05	3.7	0.05	0.025	6	0.25	0.1
1678327	0.076	0.5	1.92	0.02	0.06	0.05	0.05	5.2	0.05	0.025	7	0.25	0.1
1678328	0.088	1	2.29	0.025	0.06	0.05	0.04	6.6	0.05	0.025	6	0.25	0.1
1678329	0.078	1	1.48	0.016	0.04	0.05	0.02	2.9	0.05	0.025	6	0.25	0.1
1678330	0.088	1	1.58	0.019	0.04	0.05	0.03	3.7	0.05	0.025	6	0.25	0.1
1678331	0.118	2	2.49	0.03	0.05	0.05	0.02	5.7	0.05	0.025	6	0.25	0.1
1678332	0.068	1	1.45	0.025	0.05	0.05	0.02	2.8	0.05	0.025	6	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1678333	WEL	Cody Reeves	8/11/2018	07N	557974	6927323	-139.8756546	62.47249658	886	Auger
1678334	WEL	Cody Reeves	8/11/2018	07N	558010	6927288	-139.8749684	62.47217686	880	Auger
1678335	WEL	Cody Reeves	8/11/2018	07N	558046	6927253	-139.8742822	62.47185713	862	Auger
1678336	WEL	Cody Reeves	8/11/2018	07N	558080	6927215	-139.8736358	62.47151079	856	Auger
1678337	WEL	Cody Reeves	8/11/2018	07N	558116	6927178	-139.8729503	62.47117311	831	Auger
1678338	WEL	Cody Reeves	8/11/2018	07N	558153	6927145	-139.8722441	62.47087117	817	Auger
1678339	WEL	Cody Reeves	8/11/2018	07N	558186	6927110	-139.8716161	62.4705519	808	Auger
1678340	WEL	Cody Reeves	8/11/2018	07N	558220	6927071	-139.8709702	62.47019657	793	Auger
1678341	WEL	Cody Reeves	8/11/2018	07N	558254	6927038	-139.8703222	62.46989509	761	Auger
1678342	WEL	Cody Reeves	8/11/2018	07N	558294	6926996	-139.8695609	62.46951189	766	Auger
1678343	WEL	Cody Reeves	8/11/2018	07N	558326	6926967	-139.8689503	62.46924661	744	Auger
1678344	WEL	Cody Reeves	8/11/2018	07N	558362	6926929	-139.8682653	62.46889994	734	Auger
1678345	WEL	Cody Reeves	8/11/2018	07N	558398	6926894	-139.8675793	62.46858018	732	Auger
1678346	WEL	Cody Reeves	8/11/2018	07N	558432	6926857	-139.8669327	62.46824278	730	Auger
1679182	WEL	Hans Bauermeiste	8/11/2018	07N	557594	6928142	-139.882748	62.47990565	964	Auger
1679183	WEL	Hans Bauermeiste	8/11/2018	07N	557629	6928107	-139.8820809	62.47958612	901	Auger
1679184	WEL	Hans Bauermeiste	8/11/2018	07N	557665	6928069	-139.8813955	62.4792395	948	Auger
1679185	WEL	Hans Bauermeiste	8/11/2018	07N	557700	6928033	-139.8807288	62.47891099	950	Auger
1679186	WEL	Hans Bauermeiste	8/11/2018	07N	557735	6927999	-139.8800614	62.47860042	913	Auger
1679187	WEL	Hans Bauermeiste	8/11/2018	07N	557772	6927961	-139.8793567	62.47825364	907	Auger
1679188	WEL	Hans Bauermeiste	8/11/2018	07N	557802	6927925	-139.878787	62.4779259	902	Auger
1679189	WEL	Hans Bauermeiste	8/11/2018	07N	557839	6927890	-139.8780812	62.47760604	856	Auger
1679190	WEL	Hans Bauermeiste	8/11/2018	07N	557874	6927856	-139.8774139	62.47729545	868	Auger
1679191	WEL	Hans Bauermeiste	8/11/2018	07N	557909	6927820	-139.8767473	62.47696692	835	Auger
1679192	WEL	Hans Bauermeiste	8/11/2018	07N	557944	6927785	-139.8760804	62.47664736	844	Auger
1679193	WEL	Hans Bauermeiste	8/11/2018	07N	557980	6927747	-139.8753951	62.47630072	839	Auger
1679194	WEL	Hans Bauermeiste	8/11/2018	07N	558014	6927713	-139.8747473	62.47599028	787	Auger
1679195	WEL	Hans Bauermeiste	8/11/2018	07N	558048	6927677	-139.8741001	62.47566189	791	Auger
1679196	WEL	Hans Bauermeiste	8/11/2018	07N	558084	6927639	-139.8734149	62.47531524	797	Auger
1679197	WEL	Hans Bauermeiste	8/11/2018	07N	558118	6927605	-139.8727671	62.47500479	792	Auger
1679198	WEL	Hans Bauermeiste	8/11/2018	07N	558152	6927571	-139.8721193	62.47469434	808	Auger
1679199	WEL	Hans Bauermeiste	8/11/2018	07N	558189	6927535	-139.871414	62.47436547	784	Auger
1679200	WEL	Hans Bauermeiste	8/11/2018	07N	558189	6927535	-139.871414	62.47436547	784	

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1678333	50	C	Subtle Slope	Chocolate Brow	Old Burn	Leaf Cover	Damp	Good	Clay
1678334	50	C	Subtle Slope	Reddish Yellow	Alders	Leaf Cover	Damp	Good	Clay
1678335	40	C	Pronounced Slo	Reddish Yellow	Old Burn	Thin Moss Cover	Dry	Excellent	Sand
1678336	50	C	Pronounced Slo	Reddish Yellow	Poplar	Burnt Moss	Damp	Good	Clay
1678337	50	C	Subtle Slope	Reddish Yellow	Old Burn	Sphagnum Moss < 30cm	Dry	Good	Sand
1678338	50	C	Pronounced Slo	Reddish Brown	Old Burn	Sphagnum Moss < 30cm	Damp	Good	Clay
1678339	50	C	Subtle Slope	Reddish Yellow	Black Spruce	Thin Moss Cover	Damp	Good	Clay
1678340	50	C	Subtle Slope	Light Brown	Black Spruce	Burnt Moss	Dry	Good	Sand
1678341	60	C	Subtle Slope	Light Brown	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1678342	50	C	Subtle Slope	Light Brown	Black Spruce	Thin Moss Cover	Damp	Good	Clay
1678343	50	C	Subtle Slope	Chocolate Brow	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1678344	50	C	Subtle Slope	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Clay
1678345	50	C	Flat	Chocolate Brow	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1678346	60	C	Subtle Slope	Chocolate Brow	Black Spruce	Burnt Moss	Damp	Good	Clay
1679182	60	B	Pronounced Slo	Dark Brown	Dwarf Birch	Grass Cover	Damp	Poor	Clay
1679183	50	B	Pronounced Slo	Chocolate Brow	Dwarf Birch	Leaf Cover	Dry	Good	Clay
1679184	70	B	Pronounced Slo	Chocolate Brow	Dwarf Birch	Sphagnum Moss < 30cm	Damp	Good	Clay
1679185	70	B	Pronounced Slo	Grey	Dwarf Birch	Leaf Cover	Damp	Good	Clay
1679186	70	B	Pronounced Slo	Grey	Dwarf Birch	Leaf Cover	Damp	Good	Clay
1679187	70	B	Pronounced Slo	Light Brown	Dwarf Birch	Sphagnum Moss < 30cm	Dry	Good	Clay
1679188	60	B	Subtle Slope	Grey	Dwarf Birch	Leaf Cover	Damp	Good	Clay
1679189	50	B	Pronounced Slo	Chocolate Brow	Dwarf Birch	Leaf Cover	Damp	Good	Clay
1679190	70	B	Subtle Slope	Light Brown	Dwarf Birch	Thin Moss Cover	Damp	Good	Clay
1679191	40	B	Pronounced Slo	Grey	Birch Forest	Grass Cover	Damp	Good	Clay
1679192	70	B	Subtle Slope	Grey	Birch Forest	Grass Cover	Damp	Good	Clay
1679193	80	B	Subtle Slope	Grey	Birch Forest	Grass Cover	Damp	Good	Clay
1679194	80	B	Subtle Slope	Light Bluish Gre	Dwarf Birch	Grass Cover	Damp	Good	Clay
1679195	70	B	Subtle Slope	Grey	Birch Forest	Grass Cover	Damp	Good	Clay
1679196	50	B	Flat	Grey	Dwarf Birch	Thin Moss Cover	Damp	Good	Clay
1679197	70	B	Pronounced Slo	Dark Brown	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1679198	50	B	Pronounced Slo	Dark Brown	Birch Forest	Thin Moss Cover	Damp	Good	Clay
1679199	60	B	Pronounced Slo	Dark Brown	Dwarf Birch	Grass Cover	Damp	Good	Clay
1679200									

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1678333	Fine,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678334	Fine,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678335	Bright Orange Rust,Clay,Fine			'00116615		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678336	Fine,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678337	Clay,Fine,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678338	Bright Orange Rust,Coarse,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678339	Bright Orange Rust,Fine,Rocky Terrain,Rusty Rock Chip,Sandy			'00116615		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678340	Clay,Fine,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678341	Bright Orange Rust,Fine,Rocky Terrain,Rusty Rock Chip,Sandy			'00116615		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678342	Coarse,Rusty Rock Chip,Sandy			'00116615		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678343	Bright Orange Rust,Fine,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678344	Fine,Mud,Sandy			'00116615		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678345	Fine,Mud			'00116615		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1678346	Fine,Rocky Terrain,Rusty Rock Chip			'00116615		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679182	Organic 10%,Possible Creek Contamination			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679183	Fine			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679184	Sandy			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679185	Sandy			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679186	Sandy			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679187	Sandy			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679188	Organic 10%,Sandy			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679189	Fine,Sandy			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679190	Bright Orange Rust,Sandy			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679191	Bright Orange Rust,Sandy			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679192	Bright Orange Rust			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679193	Fine			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679194	Fine			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679195	Fine			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679196	Possible Creek Contamination			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679197	Organic 10%			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679198	Rocky Sample,Sandy			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679199	Sandy			'00116614		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1679200				'00116614	1679199	Soil	WEL-20180816-0	White Gold Co	WHI18000760

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1678333	9/14/2018	8/27/2018	0.9	35.2	9.2	60	0.3	35.6	15.4	689	3.44	12.8	1
1678334	9/14/2018	8/27/2018	1.3	72.8	10.5	71	0.7	52.1	28.7	769	4.68	209	0.6
1678335	9/14/2018	8/27/2018	1.7	63.4	12.1	98	0.7	49.7	24.3	588	5.17	109.7	0.6
1678336	9/14/2018	8/27/2018	1.1	39.8	9.2	54	0.2	34.7	16	547	3.3	19.6	0.5
1678337	9/14/2018	8/27/2018	1	44.8	9.2	57	0.05	33.8	16.5	649	3.37	32.9	0.5
1678338	9/14/2018	8/27/2018	0.8	77	15.4	60	0.05	44.4	17.8	1202	3.14	43.6	0.5
1678339	9/14/2018	8/27/2018	0.8	36.3	7.4	48	0.05	32.3	15.8	567	3.42	17.5	0.6
1678340	9/14/2018	8/27/2018	0.7	48.8	7.7	51	0.05	33.8	14.2	500	3.02	14.1	0.4
1678341	9/14/2018	8/27/2018	0.6	38.1	7.8	56	0.05	33.9	14.5	485	3.21	18.9	0.6
1678342	9/14/2018	8/27/2018	0.5	41.9	7.3	51	0.05	30.9	12.4	403	3.01	9.8	0.4
1678343	9/14/2018	8/27/2018	0.4	44.6	6.9	57	0.05	32.6	12.9	437	3.11	10.1	0.6
1678344	9/14/2018	8/27/2018	0.6	38.1	5.8	46	0.05	25.9	10.9	345	2.63	8.3	1
1678345	9/14/2018	8/27/2018	0.5	43	6.2	52	0.05	31.2	14.3	648	2.84	10.6	1.2
1678346	9/14/2018	8/27/2018	0.7	47.4	6.6	45	0.05	26.2	11.9	410	2.73	9.4	1.2
1679182	9/14/2018	8/27/2018	0.7	49.7	6.4	76	0.4	22	10.9	546	2.02	12.3	0.7
1679183	9/14/2018	8/27/2018	1.1	67.6	5.7	56	0.4	24.1	24.9	882	2.76	7.2	0.6
1679184	9/14/2018	8/27/2018	1.1	58.3	6.6	63	0.2	31.5	17.6	1891	3	10	0.6
1679185	9/14/2018	8/27/2018	0.6	43.2	6.3	54	0.1	27.3	14.5	464	2.98	19.4	0.6
1679186	9/14/2018	8/27/2018	0.7	59.9	7.6	56	0.2	32.2	16.1	628	3.21	9	1.1
1679187	9/14/2018	8/27/2018	0.7	33	9.4	55	0.05	24.6	13.4	371	2.89	9.3	0.8
1679188	9/14/2018	8/27/2018	1.2	34.4	10.3	55	0.2	22.1	15.9	555	2.89	11	0.7
1679189	9/14/2018	8/27/2018	0.9	30.1	9.9	53	0.2	23.8	14.4	891	2.98	8.5	0.8
1679190	9/14/2018	8/27/2018	0.8	35.2	9.6	53	0.05	23.4	12	367	3.18	8.9	0.8
1679191	9/14/2018	8/27/2018	0.7	21.5	8.6	63	0.05	18.9	11.3	408	3.05	8.9	0.5
1679192	9/14/2018	8/27/2018	0.4	41.3	6.5	61	0.05	26	12.6	480	3.07	7.3	0.5
1679193	9/14/2018	8/27/2018	0.4	38.7	5.2	54	0.05	26.4	13	458	2.73	7	0.3
1679194	9/14/2018	8/27/2018	0.5	41.8	5.4	49	0.05	26.5	11.7	471	2.68	8	0.4
1679195	9/14/2018	8/27/2018	0.4	37.9	5.7	53	0.05	28.8	13.4	512	2.97	8.9	0.6
1679196	9/14/2018	8/27/2018	1	34.5	7.3	64	0.1	21.1	12.3	915	2.16	9.9	0.7
1679197	9/14/2018	8/27/2018	0.8	42	6.6	67	0.2	23.6	12.7	535	2.21	7.1	0.7
1679198	9/14/2018	8/27/2018	1	45.9	8.2	69	0.1	26	14.4	473	2.62	11	0.8
1679199	9/14/2018	8/27/2018	0.5	42.3	5.7	52	0.05	25.7	12.4	402	2.33	7.3	0.7
1679200	9/14/2018	8/27/2018	0.4	45.8	5.6	62	0.05	25	13	382	2.29	6.8	0.7

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1678333	4.7	3.4	38	0.2	0.6	0.1	85	0.64	0.023	19	47	0.7	197
1678334	44.4	2.2	30	0.1	2.4	0.2	112	0.6	0.027	14	58	1.06	178
1678335	2.6	3.7	26	0.3	1.4	0.3	119	0.52	0.041	10	73	0.97	342
1678336	4.1	2.4	38	0.1	0.7	0.1	84	0.64	0.021	12	49	0.62	384
1678337	3.7	2.9	31	0.05	0.8	0.1	80	0.45	0.022	14	49	0.62	269
1678338	15.2	3.4	43	0.05	0.9	0.2	74	0.68	0.038	19	44	0.63	401
1678339	3.2	3.1	35	0.05	0.6	0.1	84	0.6	0.019	16	49	0.69	239
1678340	4.3	2.9	40	0.05	0.6	0.1	79	0.76	0.048	15	42	0.71	210
1678341	9.1	2.7	43	0.05	0.7	0.1	79	0.74	0.048	15	41	0.73	197
1678342	4	2.6	41	0.1	0.4	0.1	73	0.82	0.055	12	35	0.75	163
1678343	10.4	2.3	53	0.05	0.5	0.1	70	1.19	0.075	12	37	0.75	200
1678344	6.3	2	51	0.1	0.5	0.05	65	1.07	0.062	10	30	0.63	165
1678345	4.1	2	68	0.1	0.6	0.1	74	1.48	0.069	12	35	0.66	229
1678346	3.8	1.8	56	0.1	0.6	0.1	66	1.22	0.064	11	32	0.66	200
1679182	5.5	0.9	52	0.3	0.9	0.1	51	1.33	0.089	12	30	0.5	163
1679183	1.3	1.3	22	0.3	0.5	0.1	65	0.36	0.035	10	31	0.43	148
1679184	3.1	1.4	35	0.4	0.6	0.1	80	0.61	0.071	11	38	0.62	209
1679185	5.9	2.1	36	0.2	0.5	0.05	81	0.66	0.06	12	40	0.72	209
1679186	4.6	2.1	41	0.3	0.5	0.1	78	0.74	0.065	15	41	0.73	207
1679187	8.2	3.6	36	0.05	0.4	0.1	78	0.59	0.047	16	42	0.73	216
1679188	3.2	2.2	36	0.2	0.5	0.2	82	0.57	0.038	10	35	0.58	179
1679189	2.3	2.6	38	0.2	0.4	0.1	75	0.59	0.05	23	37	0.57	227
1679190	1.7	2.8	35	0.1	0.4	0.1	81	0.56	0.04	19	38	0.64	212
1679191	3.2	2.6	34	0.2	0.4	0.2	69	0.59	0.058	13	32	0.71	186
1679192	13.4	2.6	47	0.1	0.4	0.1	78	0.81	0.074	14	35	0.66	166
1679193	5.9	2.2	59	0.1	0.4	0.1	73	2.11	0.082	10	34	0.79	135
1679194	7.8	2	49	0.05	0.4	0.1	78	1.41	0.079	11	30	0.77	149
1679195	2.1	2.3	51	0.1	0.5	0.1	83	1.06	0.077	12	35	0.72	170
1679196	5.6	1.2	42	0.3	0.6	0.1	57	0.89	0.07	10	29	0.55	235
1679197	3.4	1.2	51	0.3	0.5	0.1	57	1.31	0.062	10	28	0.56	179
1679198	3.2	1.7	44	0.3	0.4	0.1	71	1.13	0.065	10	35	0.66	157
1679199	5.1	1.8	43	0.2	0.4	0.1	65	1.03	0.06	11	33	0.59	171
1679200	6.4	1.8	45	0.2	0.5	0.2	68	0.98	0.062	11	34	0.58	157

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1678333	0.116	1	2.29	0.035	0.05	0.05	0.04	9.6	0.05	0.025	6	0.25	0.1
1678334	0.076	1	2.71	0.018	0.05	0.05	0.04	13.3	0.1	0.025	8	0.25	0.1
1678335	0.052	1	2.96	0.016	0.14	0.05	0.03	10.4	0.2	0.025	9	0.25	0.1
1678336	0.098	1	2.32	0.024	0.06	0.05	0.02	8.2	0.05	0.025	6	0.25	0.1
1678337	0.089	2	2.19	0.016	0.07	0.05	0.03	8.9	0.05	0.025	6	0.25	0.1
1678338	0.1	2	2	0.036	0.06	0.05	0.05	8.9	0.05	0.025	5	0.25	0.1
1678339	0.112	2	2.09	0.03	0.06	0.1	0.02	9	0.05	0.025	6	0.25	0.1
1678340	0.116	2	1.79	0.043	0.06	0.1	0.02	7.5	0.05	0.025	6	0.25	0.1
1678341	0.114	2	1.92	0.044	0.06	0.05	0.03	6.8	0.05	0.025	5	0.25	0.1
1678342	0.103	3	1.66	0.045	0.06	0.1	0.02	5.6	0.05	0.025	5	0.25	0.1
1678343	0.1	3	1.69	0.047	0.07	0.1	0.03	5.8	0.05	0.025	5	0.25	0.1
1678344	0.092	3	1.58	0.045	0.04	0.1	0.03	4.4	0.05	0.025	4	0.25	0.1
1678345	0.096	3	1.7	0.043	0.06	0.1	0.03	5.5	0.05	0.025	4	0.6	0.1
1678346	0.081	3	1.5	0.041	0.05	0.1	0.03	5.3	0.05	0.025	4	0.25	0.1
1679182	0.049	2	1.49	0.022	0.05	0.05	0.06	4.4	0.05	0.05	4	0.5	0.1
1679183	0.071	2	1.49	0.021	0.03	0.05	0.03	4.3	0.05	0.025	6	0.25	0.1
1679184	0.082	2	1.98	0.021	0.05	0.1	0.03	5.8	0.05	0.025	6	0.25	0.1
1679185	0.097	2	2.03	0.025	0.05	0.05	0.03	6.7	0.05	0.025	6	0.25	0.1
1679186	0.087	2	2.02	0.026	0.05	0.1	0.04	8.3	0.05	0.025	6	0.25	0.1
1679187	0.097	2	1.99	0.022	0.04	0.05	0.02	6.5	0.05	0.025	6	0.25	0.1
1679188	0.079	1	1.89	0.019	0.04	0.05	0.03	4.9	0.1	0.025	6	0.25	0.1
1679189	0.088	2	1.89	0.025	0.05	0.1	0.03	5.2	0.05	0.025	6	0.25	0.1
1679190	0.111	1	1.91	0.026	0.06	0.05	0.03	7	0.05	0.025	6	0.25	0.1
1679191	0.095	2	1.84	0.023	0.08	0.1	0.02	3.9	0.05	0.025	5	0.25	0.1
1679192	0.118	2	1.59	0.055	0.05	0.1	0.02	5.8	0.05	0.025	5	0.25	0.1
1679193	0.1	3	1.31	0.053	0.07	0.1	0.02	4.9	0.05	0.025	5	0.25	0.1
1679194	0.097	3	1.36	0.047	0.06	0.1	0.02	4.9	0.05	0.025	4	0.25	0.1
1679195	0.112	3	1.52	0.052	0.05	0.1	0.03	5.2	0.05	0.025	5	0.25	0.1
1679196	0.065	2	1.43	0.028	0.04	0.1	0.04	4.4	0.05	0.025	4	0.5	0.1
1679197	0.062	3	1.42	0.028	0.04	0.05	0.05	4.6	0.05	0.025	5	0.8	0.1
1679198	0.083	3	1.72	0.029	0.05	0.1	0.04	5.4	0.05	0.025	5	0.25	0.1
1679199	0.09	3	1.48	0.034	0.05	0.1	0.02	6.3	0.05	0.025	5	0.25	0.1
1679200	0.084	3	1.62	0.035	0.05	0.1	0.03	5.7	0.05	0.025	5	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1679201	WEL	Hans Bauermeiste	8/11/2018	07N	558222	6927499	-139.8707863	62.47403723	806	Auger
1679202	WEL	Hans Bauermeiste	8/11/2018	07N	558261	6927461	-139.870043	62.47369008	804	Auger
1679203	WEL	Hans Bauermeiste	8/11/2018	07N	558297	6927425	-139.8693572	62.47336136	823	Auger
1679204	WEL	Hans Bauermeiste	8/11/2018	07N	558328	6927392	-139.8687673	62.47306034	813	Auger
1679205	WEL	Hans Bauermeiste	8/11/2018	07N	558363	6927356	-139.8681009	62.47273177	834	Auger
1679206	WEL	Hans Bauermeiste	8/11/2018	07N	558400	6927319	-139.867396	62.4723939	793	Auger
1679207	WEL	Hans Bauermeiste	8/11/2018	07N	558436	6927282	-139.8667106	62.47205619	784	Auger
1679208	WEL	Hans Bauermeiste	8/11/2018	07N	558469	6927248	-139.8660823	62.47174587	795	Auger
1679209	WEL	Hans Bauermeiste	8/11/2018	07N	558504	6927213	-139.8654156	62.47142626	724	Auger
1679210	WEL	Hans Bauermeiste	8/11/2018	07N	558539	6927177	-139.8647493	62.47109767	754	Auger
1679211	WEL	Hans Bauermeiste	8/11/2018	07N	558573	6927143	-139.8641017	62.47078718	751	Auger
1679212	WEL	Hans Bauermeiste	8/11/2018	07N	558608	6927107	-139.8634354	62.47045859	736	Auger
1679213	WEL	Hans Bauermeiste	8/11/2018	07N	558644	6927071	-139.8627497	62.47012983	736	Auger
1639398	WEL	Julien Forrester	8/10/2018	07N	558500	6934458	-139.8630202	62.53644468	873	Auger
1639399	WEL	Julien Forrester	8/10/2018	07N	558535	6934420	-139.8623531	62.53609813	856	Auger
1639400	WEL	Julien Forrester	8/10/2018	07N	558535	6934420	-139.8623531	62.53609813	856	
1639401	WEL	Julien Forrester	8/10/2018	07N	558571	6934385	-139.8616656	62.53577834	836	Auger
1639402	WEL	Julien Forrester	8/10/2018	07N	558606	6934352	-139.8609969	62.53547665	814	Auger
1639403	WEL	Julien Forrester	8/10/2018	07N	558643	6934325	-139.8602872	62.53522849	818	Auger
1639404	WEL	Julien Forrester	8/10/2018	07N	558678	6934282	-139.8596219	62.53483706	842	Auger
1639405	WEL	Julien Forrester	8/10/2018	07N	558714	6934245	-139.8589351	62.53449931	865	Auger
1639406	WEL	Julien Forrester	8/10/2018	07N	558751	6934214	-139.8582269	62.53421524	892	Auger
1639407	WEL	Julien Forrester	8/10/2018	07N	558787	6934178	-139.8575398	62.53388646	909	Auger
1639408	WEL	Julien Forrester	8/10/2018	07N	558822	6934142	-139.8568722	62.53355784	919	Auger
1639409	WEL	Julien Forrester	8/10/2018	07N	558858	6934107	-139.8561848	62.53323802	922	Auger
1639410	WEL	Julien Forrester	8/10/2018	07N	558891	6934070	-139.8555563	62.53290073	921	Auger
1639411	WEL	Julien Forrester	8/10/2018	07N	558929	6934038	-139.8548291	62.53260751	918	Auger
1639412	WEL	Julien Forrester	8/10/2018	07N	558965	6934003	-139.8541417	62.53228769	908	Auger
1639413	WEL	Julien Forrester	8/10/2018	07N	559001	6933966	-139.8534551	62.53194991	894	Auger
1639414	WEL	Julien Forrester	8/10/2018	07N	559038	6933934	-139.8527473	62.53165684	883	Auger
1639415	WEL	Julien Forrester	8/10/2018	07N	559073	6933900	-139.8520791	62.53134614	889	Auger
1639416	WEL	Julien Forrester	8/10/2018	07N	559110	6933860	-139.8513741	62.53098127	848	Auger
1639417	WEL	Julien Forrester	8/10/2018	07N	559146	6933828	-139.8506857	62.53068835	831	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1679201	80	B	Pronounced Slo	Dark Brown	Alders	Thin Moss Cover	Damp	Good	Clay
1679202	70	B	Pronounced Slo	Dark Brown	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1679203	30	B	Subtle Slope	Light Brown	Birch Forest	Thin Moss Cover	Damp	Good	Clay
1679204	60	B	Subtle Slope	Light Brown	Alders	Thin Moss Cover	Damp	Good	Clay
1679205	70	B	Pronounced Slo	Light Brown	Alders	Grass Cover	Dry	Good	Clay
1679206	70	B	Pronounced Slo	Light Brown	Alders	Grass Cover	Damp	Good	Clay
1679207	80	B	Pronounced Slo	Grey	Alders	Grass Cover	Damp	Good	Clay
1679208	80	B	Subtle Slope	Light Bluish Gre	Alders	Thin Moss Cover	Damp	Good	Clay
1679209	70	B	Subtle Slope	Grey	Alders	Grass Cover	Damp	Good	Clay
1679210	70	B	Subtle Slope	Dark Brown	Alders	Thin Moss Cover	Damp	Good	Clay
1679211	70	B	Subtle Slope	Light Bluish Gre	Alders	Thin Moss Cover	Damp	Good	Clay
1679212	70	B	Subtle Slope	Dark Brown	Alders	Burnt Moss	Damp	Good	Clay
1679213	80	B	Flat	Grey	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Clay
1639398	40	B	Steep	Light Brown	Mixed Coniferous	Grass Cover	Damp	Good	Silt
1639399	40	B	Steep	Chocolate Brow	Poplar	Grass Cover	Damp	Good	Silt
1639400									
1639401	40	B	Steep	Grey	Birch Forest	Grass Cover	Damp	Good	Sand
1639402	60	B	Steep	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Sand
1639403	60	B	Steep	Dark Grey Black	Mixed Coniferous	Sphagnum Moss < 30cm	Damp	Good	Silt
1639404	50	B	Steep	Dark Grey Black	Mixed Coniferous	Reindeer Moss	Damp	Good	Silt
1639405	50	C	Steep	Dark Grey Black	Mixed Coniferous	Reindeer Moss	Damp	Good	Silt
1639406	50	C	Steep	Dark Brown	Mixed Coniferous	Reindeer Moss	Damp	Good	Sand
1639407	50	C	Pronounced Slo	Grey	Mixed Coniferous	Grass Cover	Damp	Good	Sand
1639408	50	C	Subtle Slope	Reddish Yellow	Old Burn	Grass Cover	Damp	Good	Sand
1639409	40	C	Flat	Light Brown	Dwarf Birch	Burnt Moss	Dry	Good	Sand
1639410	60	C	Subtle Slope	Light Brown	Dwarf Birch	Grass Cover	Dry	Good	Sand
1639411	40	C	Pronounced Slo	Reddish Yellow	Old Burn	Grass Cover	Dry	Good	Sand
1639412	40	C	Pronounced Slo	Chocolate Brow	Poplar	Burnt Moss	Dry	Good	Sand
1639413	40	C	Pronounced Slo	Reddish Brown	Old Burn	Burnt Moss	Damp	Good	Sand
1639414	60	C	Pronounced Slo	Chocolate Brow	Old Burn	Burnt Moss	Damp	Good	Sand
1639415	40	C	Pronounced Slo	Light Brown	Old Burn	Burnt Moss	Damp	Good	Sand
1639416	40	B	Subtle Slope	Dark Grey Black	Old Burn	Burnt Moss	Damp	Good	Silt
1639417	50	C	Pronounced Slo	Chocolate Brow	Old Burn	Burnt Moss	Dry	Good	Sand

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1679201	Rocky Sample,Sandy			'00116614		Soil	WEL-20180816-0	White Gold C	WHI18000760
1679202	Rocky Sample,Sandy			'00116614		Soil	WEL-20180816-0	White Gold C	WHI18000760
1679203	Rocky Sample,Rocky Terrain,Sandy,Small Sample,Talus			'00116614		Soil	WEL-20180816-0	White Gold C	WHI18000760
1679204	Fine			'00116614		Soil	WEL-20180816-0	White Gold C	WHI18000760
1679205	Fine			'00116614		Soil	WEL-20180816-0	White Gold C	WHI18000760
1679206	Sandy			'00116614		Soil	WEL-20180816-0	White Gold C	WHI18000760
1679207	Fine			'00116614		Soil	WEL-20180816-0	White Gold C	WHI18000760
1679208	Bright Orange Rust			'00116614		Soil	WEL-20180816-0	White Gold C	WHI18000760
1679209	Fine			'00116614		Soil	WEL-20180816-0	White Gold C	WHI18000760
1679210	Organic 10%			'00116614		Soil	WEL-20180816-0	White Gold C	WHI18000760
1679211	Fine			'00116614		Soil	WEL-20180816-0	White Gold C	WHI18000760
1679212	Clay			'00116614		Soil	WEL-20180816-0	White Gold C	WHI18000760
1679213	Fine			'00116614		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639398	Dull Red Rust,Organic 25%,Sandy			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639399	Dull Red Rust,Organic 25%,Rocky Sample,Rocky Terrain			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639400				'00056875	1639399	Soil	WEL-20180816-0	White Gold C	WHI18000760
1639401	Organic 25%,Rocky Sample			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639402	Coarse,Organic 25%,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639403	Frozen,Organic 25%			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639404	Frozen,Organic 25%,Rocky Sample,Rusty Rock Chip,Sandy			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639405	Organic 25%,Partially Frozen,Rusty Rock Chip,Sandy			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639406	Organic 25%,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639407	Coarse,Organic 25%,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639408	Coarse,Mud,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639409	Organic 10%,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639410	Coarse,Organic 10%,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639411	Dull Red Rust,Organic 10%,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639412	Coarse,Organic 10%,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639413	Organic 25%,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639414	Organic 25%,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639415	Organic 25%,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639416	Organic 25%,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639417	Fine,Organic 10%,Rocky Sample			'00056875		Soil	WEL-20180816-0	White Gold C	WHI18000760

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1679201	9/14/2018	8/27/2018	1	43.1	6.3	62	0.1	24.8	10.4	316	2.23	9.3	0.8
1679202	9/14/2018	8/27/2018	0.7	32.4	7.1	26	0.05	11.1	5.3	301	1.15	6.2	0.4
1679203	9/14/2018	8/27/2018	1.1	37.2	8.6	55	0.05	25.4	10.5	777	2.46	29.2	0.5
1679204	9/14/2018	8/27/2018	0.7	57.7	6.1	50	0.05	35.7	16.3	425	3.67	11.4	0.6
1679205	9/14/2018	8/27/2018	0.7	44.7	7.3	55	0.05	30.5	15.6	533	3.25	19.9	0.4
1679206	9/14/2018	8/27/2018	0.5	47.5	6.7	54	0.05	29.9	14	538	3.02	18.1	0.4
1679207	9/14/2018	8/27/2018	0.5	46.7	6.3	50	0.05	28.8	13	464	2.74	12.9	0.4
1679208	9/14/2018	8/27/2018	0.6	47.8	7	55	0.05	30.7	13.1	491	3.03	15.2	0.7
1679209	9/14/2018	8/27/2018	0.5	48	6.9	53	0.05	31.8	12.8	464	2.86	12.6	0.7
1679210	9/14/2018	8/27/2018	0.5	41.7	6.6	51	0.05	28.7	13.9	452	2.76	9.7	0.6
1679211	9/14/2018	8/27/2018	0.4	37.7	6.4	52	0.05	26.6	12.9	518	3.02	9.5	0.5
1679212	9/14/2018	8/27/2018	0.5	43.3	6.5	52	0.05	32.7	13	438	2.79	9	0.8
1679213	9/14/2018	8/27/2018	0.7	43.6	6.4	52	0.05	33.4	13.3	436	2.7	8.5	2.1
1639398	9/14/2018	8/27/2018	0.8	57.2	5.9	42	0.1	26.7	15.2	625	2.58	6.3	0.7
1639399	9/14/2018	8/27/2018	1.2	31.8	6.7	33	0.2	19.6	8.4	128	2.56	6.8	0.3
1639400	9/14/2018	8/27/2018	0.9	37.6	5.6	41	0.1	23	11.3	200	2.37	7	0.5
1639401	9/14/2018	8/27/2018	1.2	43.3	8.2	72	0.1	33.8	17.4	458	3.36	12	0.7
1639402	9/14/2018	8/27/2018	0.7	43.5	6.6	47	0.05	25.2	14.2	284	2.64	6.4	0.6
1639403	9/14/2018	8/27/2018	0.4	25.7	5.7	56	0.05	22.3	9.1	233	2.04	4.2	0.6
1639404	9/14/2018	8/27/2018	0.9	20.2	6.3	66	0.05	22.6	18.1	830	2.79	6	0.6
1639405	9/14/2018	8/27/2018	0.4	24.3	6	59	0.05	18	16.5	919	2.8	7.2	0.7
1639406	9/14/2018	8/27/2018	0.5	17.7	4.9	54	0.05	16	15	647	2.63	4.3	0.6
1639407	9/14/2018	8/27/2018	0.8	35.1	5.4	54	0.1	21.1	19.9	743	2.85	10.1	1.3
1639408	9/14/2018	8/27/2018	1	14.6	19.6	43	0.05	15.2	9.7	308	2.46	55.5	0.6
1639409	9/14/2018	8/27/2018	0.5	13.1	20.9	30	0.05	10.2	6.3	173	1.43	14.6	0.5
1639410	9/14/2018	8/27/2018	0.6	30.4	22.9	39	0.05	24	12.2	464	2.57	19.2	1.2
1639411	9/14/2018	8/27/2018	0.5	20.1	20.8	36	0.05	21.2	13.4	294	2.76	21.5	1.2
1639412	9/14/2018	8/27/2018	0.9	11	20	32	0.05	16.2	8.3	186	2.51	18.9	1.3
1639413	9/14/2018	8/27/2018	1.2	19.2	18.9	47	0.05	22.4	12.8	335	2.95	21.7	0.8
1639414	9/14/2018	8/27/2018	0.7	25.5	15	46	0.05	27	12.9	462	3.04	32.7	0.8
1639415	9/14/2018	8/27/2018	0.6	25.7	25.2	45	0.05	20.1	10.2	336	2.72	161.3	0.9
1639416	9/14/2018	8/27/2018	0.6	91.6	7.7	50	0.1	48.7	18.6	946	2.98	53.3	0.6
1639417	9/14/2018	8/27/2018	0.4	113.9	6.2	56	0.1	48.7	24.7	781	4.4	61.3	0.7

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1679201	3.3	1.5	43	0.4	0.5	0.1	61	1.02	0.06	9	27	0.59	151
1679202	1.7	0.2	22	0.2	0.4	0.1	31	0.27	0.04	7	19	0.16	151
1679203	2.4	1.3	24	0.2	0.8	0.2	59	0.44	0.066	8	29	0.47	229
1679204	5.7	3.3	37	0.05	0.5	0.1	90	0.6	0.026	15	49	0.71	185
1679205	10.2	2.3	40	0.05	0.5	0.1	79	0.8	0.052	14	40	0.67	193
1679206	9	2.3	66	0.1	0.6	0.1	75	2.17	0.062	13	35	0.75	176
1679207	6.1	2.4	75	0.2	0.5	0.1	66	2.69	0.067	12	33	0.79	175
1679208	6.5	2.2	63	0.2	0.6	0.2	72	1.55	0.061	12	36	0.79	189
1679209	7.5	2.4	53	0.05	0.5	0.2	77	0.98	0.058	14	37	0.76	189
1679210	3.7	2.4	51	0.1	0.4	0.1	72	0.97	0.073	12	36	0.72	182
1679211	4.3	2.3	54	0.2	0.4	0.1	70	1.23	0.08	11	34	0.77	180
1679212	6	2.3	59	0.1	0.4	0.1	74	1.1	0.083	13	36	0.78	194
1679213	2.6	2.2	55	0.2	0.5	0.1	70	1.09	0.085	13	34	0.63	197
1639398	1.5	1.8	30	0.2	0.4	0.1	69	0.49	0.03	13	37	0.52	160
1639399	3.9	1.3	26	0.2	0.4	0.1	78	0.44	0.018	6	35	0.44	82
1639400	4.6	1.7	33	0.2	0.3	0.2	69	0.5	0.035	10	39	0.53	119
1639401	1.9	2.2	40	0.5	1.1	0.1	90	0.84	0.071	11	48	0.73	204
1639402	3	1.8	22	0.4	0.5	0.2	65	0.36	0.034	10	40	0.41	149
1639403	2	1.1	47	0.1	0.4	0.1	53	0.91	0.068	10	34	0.67	111
1639404	8.3	1.3	45	0.2	0.4	0.1	69	0.71	0.088	10	33	0.85	128
1639405	4	1.4	66	0.3	0.4	0.1	69	1.2	0.093	12	26	0.83	161
1639406	2.3	1.3	53	0.2	0.3	0.05	64	0.94	0.078	12	22	0.72	103
1639407	1.6	1	68	0.2	0.4	0.1	69	1.15	0.088	14	25	0.76	238
1639408	15	6.3	26	0.1	0.6	0.2	56	0.33	0.053	19	23	0.36	151
1639409	13.9	11.4	20	0.05	0.6	0.3	32	0.27	0.032	23	16	0.24	138
1639410	7.1	13.5	32	0.05	0.9	0.3	52	0.41	0.042	24	31	0.54	156
1639411	4.8	14.3	32	0.05	0.7	0.2	52	0.44	0.03	26	32	0.5	167
1639412	0.25	13.1	18	0.05	0.7	0.1	45	0.23	0.031	29	25	0.44	94
1639413	1.9	6.6	32	0.1	0.8	0.2	64	0.39	0.023	13	36	0.53	118
1639414	5.4	6.1	35	0.1	0.7	0.2	65	0.55	0.041	14	38	0.61	156
1639415	20.6	13.8	29	0.05	1.5	0.3	46	0.43	0.041	25	27	0.47	161
1639416	3.7	0.9	70	0.2	0.9	0.1	79	1.68	0.062	11	65	0.71	128
1639417	5.2	2.1	51	0.1	1	0.05	122	1.16	0.048	11	73	1.34	125

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1679201	0.076	2	1.45	0.034	0.04	0.1	0.04	5.2	0.05	0.025	4	0.7	0.1
1679202	0.032	0.5	0.79	0.015	0.03	0.05	0.03	1.6	0.05	0.025	3	0.25	0.1
1679203	0.06	2	1.52	0.017	0.07	0.1	0.02	3.5	0.05	0.025	6	0.25	0.1
1679204	0.11	1	2.1	0.034	0.06	0.05	0.03	10.7	0.05	0.025	6	0.25	0.1
1679205	0.091	2	1.72	0.041	0.05	0.05	0.03	6.8	0.05	0.025	5	0.25	0.1
1679206	0.107	2	1.62	0.053	0.05	0.1	0.02	6	0.05	0.025	5	0.25	0.1
1679207	0.102	2	1.62	0.053	0.06	0.1	0.03	5.1	0.05	0.025	5	0.25	0.1
1679208	0.095	3	1.63	0.054	0.06	0.1	0.03	5.5	0.05	0.025	5	0.6	0.1
1679209	0.093	2	1.72	0.054	0.05	0.1	0.02	6.1	0.05	0.025	5	0.5	0.1
1679210	0.096	2	1.5	0.043	0.06	0.1	0.02	5.3	0.05	0.025	5	0.25	0.1
1679211	0.093	4	1.59	0.05	0.06	0.1	0.02	5	0.05	0.025	5	0.25	0.1
1679212	0.093	3	1.74	0.048	0.06	0.1	0.02	5.2	0.05	0.025	5	0.25	0.1
1679213	0.089	3	1.55	0.045	0.05	0.1	0.02	5.1	0.05	0.025	5	0.25	0.1
1639398	0.104	1	1.85	0.034	0.04	0.05	0.03	5.3	0.1	0.025	6	0.25	0.1
1639399	0.113	1	1.38	0.021	0.05	0.1	0.02	3.7	0.05	0.025	7	0.25	0.1
1639400	0.095	2	1.63	0.02	0.05	0.1	0.04	5.1	0.05	0.025	5	0.25	0.1
1639401	0.125	2	2.15	0.03	0.07	0.1	0.04	5.9	0.05	0.025	6	0.25	0.1
1639402	0.08	1	1.63	0.024	0.05	0.05	0.02	4.2	0.05	0.025	7	0.25	0.1
1639403	0.065	2	1.5	0.022	0.05	0.05	0.04	4.7	0.05	0.025	5	0.25	0.1
1639404	0.068	2	1.55	0.021	0.06	0.05	0.04	5.6	0.05	0.025	6	0.25	0.1
1639405	0.062	2	1.8	0.022	0.08	0.05	0.04	5.9	0.05	0.025	6	0.25	0.1
1639406	0.073	2	1.47	0.023	0.06	0.05	0.04	4.5	0.05	0.025	6	0.25	0.1
1639407	0.047	2	2.07	0.018	0.06	0.05	0.08	5.4	0.1	0.025	7	0.25	0.1
1639408	0.035	1	1.74	0.011	0.13	0.05	0.02	3.3	0.1	0.025	6	0.25	0.1
1639409	0.022	2	1.15	0.008	0.2	0.05	0.005	2.6	0.1	0.025	3	0.25	0.1
1639410	0.075	2	1.49	0.031	0.16	0.1	0.02	8.1	0.2	0.025	5	0.25	0.1
1639411	0.056	1	1.91	0.014	0.18	0.05	0.01	7.6	0.2	0.025	5	0.25	0.1
1639412	0.043	0.5	1.56	0.009	0.23	0.05	0.005	4.6	0.2	0.025	5	0.25	0.1
1639413	0.093	1	1.81	0.02	0.16	0.05	0.02	4	0.1	0.025	5	0.25	0.1
1639414	0.102	2	1.76	0.029	0.15	0.05	0.02	5.4	0.05	0.025	5	0.25	0.1
1639415	0.045	1	1.66	0.017	0.2	0.05	0.02	5.7	0.2	0.025	4	0.25	0.1
1639416	0.081	3	2.02	0.031	0.06	0.2	0.05	5.6	0.05	0.025	6	0.7	0.1
1639417	0.189	1	2.42	0.028	0.07	0.1	0.04	8	0.05	0.025	9	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1639418	WEL	Julien Forrester	8/10/2018	07N	559179	6933791	-139.8500575	62.53035104	809	Auger
1639419	WEL	Julien Forrester	8/10/2018	07N	559215	6933759	-139.8493692	62.53005811	792	Auger
1639420	WEL	Julien Forrester	8/10/2018	07N	559251	6933724	-139.8486819	62.52973826	778	Auger
1639421	WEL	Julien Forrester	8/10/2018	07N	559290	6933686	-139.8479375	62.529391	761	Auger
1639422	WEL	Julien Forrester	8/10/2018	07N	559323	6933653	-139.8473078	62.52908957	741	Auger
1639423	WEL	Julien Forrester	8/10/2018	07N	559358	6933617	-139.8466404	62.5287609	725	Auger
1639424	WEL	Julien Forrester	8/10/2018	07N	559395	6933583	-139.8459335	62.52844985	708	Auger
1639425	WEL	Julien Forrester	8/10/2018	07N	559395	6933583	-139.8459335	62.52844985	708	
1639426	WEL	Julien Forrester	8/10/2018	07N	559424	6933550	-139.8453816	62.52814905	694	Auger
1639427	WEL	Julien Forrester	8/10/2018	07N	559463	6933517	-139.8446355	62.52784665	698	Auger
1639428	WEL	Julien Forrester	8/10/2018	07N	559501	6933478	-139.8439109	62.52749055	706	Auger
1639429	WEL	Julien Forrester	8/10/2018	07N	559537	6933445	-139.843223	62.52718862	718	Auger
1639430	WEL	Julien Forrester	8/10/2018	07N	559574	6933411	-139.8425162	62.52687756	737	Auger
1638126	WEL	Justin Leith	8/10/2018	07N	558642	6934601	-139.860212	62.53770551	817	Auger
1638127	WEL	Justin Leith	8/10/2018	07N	558674	6934567	-139.8596018	62.53739532	799	Auger
1638128	WEL	Justin Leith	8/10/2018	07N	558711	6934532	-139.8588949	62.53707536	782	Auger
1638129	WEL	Justin Leith	8/10/2018	07N	558748	6934492	-139.8581897	62.53671052	760	Auger
1638130	WEL	Justin Leith	8/10/2018	07N	558785	6934459	-139.857482	62.5364085	755	Auger
1638131	WEL	Justin Leith	8/10/2018	07N	558817	6934427	-139.8568713	62.53611625	788	Auger
1638132	WEL	Justin Leith	8/10/2018	07N	558853	6934391	-139.8561842	62.53578746	804	Auger
1638133	WEL	Justin Leith	8/10/2018	07N	558893	6934358	-139.8554183	62.53548495	829	Auger
1638134	WEL	Justin Leith	8/10/2018	07N	558925	6934321	-139.8548093	62.53514782	856	Auger
1638135	WEL	Justin Leith	8/10/2018	07N	558962	6934286	-139.8541024	62.53482783	880	Auger
1638136	WEL	Justin Leith	8/10/2018	07N	558995	6934251	-139.8534733	62.53450848	905	Auger
1638137	WEL	Justin Leith	8/10/2018	07N	559033	6934217	-139.8527467	62.53419731	923	Auger
1638138	WEL	Justin Leith	8/10/2018	07N	559070	6934181	-139.8520403	62.53386834	936	Auger
1638139	WEL	Justin Leith	8/10/2018	07N	559104	6934145	-139.8513921	62.53353985	936	Auger
1638140	WEL	Justin Leith	8/10/2018	07N	559140	6934108	-139.8507055	62.53320206	925	Auger
1638141	WEL	Justin Leith	8/10/2018	07N	559177	6934073	-139.8499987	62.53288205	907	Auger
1638142	WEL	Justin Leith	8/10/2018	07N	559213	6934042	-139.84931	62.5325981	891	Auger
1638143	WEL	Justin Leith	8/10/2018	07N	559246	6934005	-139.8486817	62.53226078	874	Auger
1638144	WEL	Justin Leith	8/10/2018	07N	559282	6933972	-139.8479937	62.53195887	860	Auger
1638145	WEL	Justin Leith	8/10/2018	07N	559320	6933934	-139.8472687	62.53161177	842	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1639418	70	C	Pronounced Slo	Chocolate Brow	Old Burn	Burnt Moss	Damp	Good	Sand
1639419	60	C	Pronounced Slo	Chocolate Brow	Old Burn	Leaf Cover	Damp	Good	Silt
1639420	70	C	Pronounced Slo	Grey	Old Burn	Burnt Moss	Damp	Good	Sand
1639421	50	C	Pronounced Slo	Grey	Old Burn	Burnt Moss	Damp	Good	Sand
1639422	40	B	Pronounced Slo	Chocolate Brow	Old Burn	Burnt Moss	Damp	Good	Silt
1639423	40	B	Pronounced Slo	Grey	Old Burn	Burnt Moss	Damp	Good	Silt
1639424	40	B	Pronounced Slo	Grey	Old Burn	Leaf Cover	Damp	Good	Silt
1639425									
1639426	50	B	Subtle Slope	Dark Grey Black	Alders	Grass Cover	Damp	Good	Silt
1639427	50	B	Steep	Grey	Mixed Coniferous	Leaf Cover	Damp	Good	Silt
1639428	40	B	Subtle Slope	Dark Grey Black	Mixed Coniferous	Reindeer Moss	Damp	Good	Silt
1639429	40	B	Steep	Dark Grey Black	Birch Forest	Leaf Cover	Damp	Poor	Silt
1639430	50	B	Steep	Dark Grey Black	Dwarf Birch	Reindeer Moss	Damp	Good	Sand
1638126	40	B	Pronounced Slo	Dark Grey Black	Old Burn	Grass Cover	Damp	Good	Silt
1638127	40	B	Pronounced Slo	Dark Grey Black	Birch Forest	Bare Soil	Damp	Good	Silt
1638128	50	B	Pronounced Slo	Dark Grey Black	Alders	Leaf Cover	Damp	Good	Silt
1638129	50	B	Pronounced Slo	Dark Grey Black	Alders	Leaf Cover	Damp	Good	Silt
1638130	60	B	Steep	Dark Grey Black	Black Spruce	Sphagnum Moss < 30cm	Damp	Good	Silt
1638131	70	B	Pronounced Slo	Dark Grey Black	Alders	Thin Moss Cover	Damp	Good	Silt
1638132	40	B	Pronounced Slo	Dark Grey Black	Alders	Leaf Cover	Dry	Good	Silt
1638133	40	B	Pronounced Slo	Dark Brown	Alders	Grass Cover	Damp	Good	Silt
1638134	50	B	Steep	Dark Grey Black	Black Spruce	Reindeer Moss	Damp	Good	Silt
1638135	30	B	Pronounced Slo	Dark Grey Black	Black Spruce	Thin Moss Cover	Damp	Good	Silt
1638136	60	B	Steep	Dark Grey Black	Alders	Reindeer Moss	Damp	Good	Silt
1638137	50	B	Pronounced Slo	Dark Brown	Black Spruce	Bare Soil	Damp	Good	Silt
1638138	50	B	Subtle Slope	Chocolate Brow	Birch Forest	Leaf Cover	Damp	Good	Silt
1638139	40	B	Subtle Slope	Chocolate Brow	Birch Forest	Leaf Cover	Damp	Good	Silt
1638140	40	B	Pronounced Slo	Dark Grey Black	Black Spruce	Bare Soil	Damp	Good	Silt
1638141	50	B	Subtle Slope	Chocolate Brow	Old Burn	Bare Soil	Damp	Good	Silt
1638142	40	B	Subtle Slope	Light Brown	Old Burn	Bare Soil	Damp	Good	Silt
1638143	70	B	Pronounced Slo	Chocolate Brow	Old Burn	Burnt Moss	Damp	Good	Silt
1638144	60	B	Pronounced Slo	Light Bluish Gre	Old Burn	Bare Soil	Damp	Good	Silt
1638145	50	B	Pronounced Slo	Grey	Dwarf Birch	Bare Soil	Damp	Good	Silt

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1639418	Organic 10%,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1639419	Dull Red Rust,Organic 10%,Rocky Sample,Rusty Rock Chip,Sandy			'00056875		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1639420	Fine,Organic 10%,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1639421	Organic 10%,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1639422	Organic 25%,Rusty Rock Chip,Sandy			'00056875		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1639423	Organic 10%,Rocky Sample,Rusty Rock Chip,Sandy			'00056875		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1639424	Organic 25%,Rocky Sample			'00056875		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1639425				'00056875	1639424	Soil	WEL-20180816-0	White Gold Co	WHI18000760
1639426	Organic 25%,Rusty Rock Chip,Sandy			'00056875		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1639427	Frozen,Organic 10%			'00056875		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1639428	Frozen,Organic 50%,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1639429	Frozen,Organic 50%			'00056875		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1639430	Organic 25%,Partially Frozen,Rocky Sample,Rusty Rock Chip			'00056875		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638126	Organic 10%			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638127	Rocky Sample			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638128	Organic 10%			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638129	Rocky Sample			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638130	Organic 10%,Partially Frozen			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638131	Possible Creek Contamination			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638132	Organic 10%			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638133	Rocky Sample			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638134	Organic 10%			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638135	Organic 10%			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638136	Quartz Chips			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638137	Quartz Chips,Rocky Sample			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638138	Rocky Sample			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638139	Organic 10%			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638140	Organic 10%			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638141	Rocky Sample			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638142	Rocky Sample			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638143	Rocky Sample			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638144	Rocky Sample			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760
1638145	Rocky Sample			'00056065		Soil	WEL-20180816-0	White Gold Co	WHI18000760

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1639418	9/14/2018	8/27/2018	0.5	60.9	9.2	54	0.05	35	17.9	561	3.55	23.5	0.4
1639419	9/14/2018	8/27/2018	0.4	55.2	7.2	52	0.05	32.6	16.2	645	3.36	11.8	0.5
1639420	9/14/2018	8/27/2018	0.5	59.5	8.3	63	0.05	32.8	17.2	590	3.83	11.3	0.4
1639421	9/14/2018	8/27/2018	0.6	49.9	10.5	59	0.1	37.6	14.1	590	2.94	11.8	0.8
1639422	9/14/2018	8/27/2018	0.8	52.6	7.9	52	0.05	39.2	18	473	3.26	7.8	0.6
1639423	9/14/2018	8/27/2018	0.8	51	9.6	47	0.05	35.5	16.4	469	3.16	7.3	0.6
1639424	9/14/2018	8/27/2018	0.8	47.9	8	53	0.05	34	18.4	395	3.26	8.3	0.7
1639425	9/14/2018	8/27/2018	0.8	52.3	9.4	47	0.05	35.4	16.5	462	3.03	7.2	0.7
1639426	9/14/2018	8/27/2018	0.5	86.4	5.7	47	0.1	31.6	12.9	306	2.49	5.8	1.9
1639427	9/14/2018	8/27/2018	0.4	39.3	5.8	57	0.05	27.8	13.1	433	2.86	8.2	0.5
1639428	9/14/2018	8/27/2018	0.4	14.7	6.4	49	0.05	19.7	6.5	129	1.65	2.9	0.4
1639429	9/14/2018	8/27/2018	0.8	34.8	5.3	50	0.05	42	16.2	493	2.34	4.3	0.7
1639430	9/14/2018	8/27/2018	0.5	47.6	4.5	51	0.1	45.4	16.6	350	2.29	3.1	0.7
1638126	9/14/2018	8/27/2018	0.7	44.5	4.7	30	0.05	18	11.9	368	2.04	10.5	0.7
1638127	9/14/2018	8/27/2018	0.7	50.9	129.7	69	0.5	26	14.3	454	2.43	14	0.7
1638128	9/14/2018	8/27/2018	0.9	33.5	6.2	48	0.1	25.1	13.5	380	2.16	10.1	0.8
1638129	9/14/2018	8/27/2018	1	37.8	7.1	51	0.1	25.8	13.1	520	2.18	7.9	0.7
1638130	9/14/2018	8/27/2018	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1638131	9/14/2018	8/27/2018	0.4	31.9	13.3	55	0.1	25.2	16	649	2.51	23.2	2.4
1638132	9/14/2018	8/27/2018	0.9	17	5.6	33	0.05	13.3	7.3	257	1.71	6.4	0.5
1638133	9/14/2018	8/27/2018	0.5	21.6	11.6	54	0.05	28.1	17.5	535	2.73	31.3	2.1
1638134	9/14/2018	8/27/2018	0.6	13	13.7	56	0.05	14.5	9.5	309	1.78	16.5	1.3
1638135	9/14/2018	8/27/2018	0.7	21.2	14.1	42	0.2	14.5	9.1	457	1.64	42.8	2.8
1638136	9/14/2018	8/27/2018	0.8	19.6	15	43	0.2	16.2	10.1	492	1.74	43	2.4
1638137	9/14/2018	8/27/2018	0.5	20.1	13.2	39	0.1	14.5	7.9	232	2.03	16.1	0.7
1638138	9/14/2018	8/27/2018	1.2	28.1	9.4	52	0.05	23.3	13	283	3.19	12.9	1.1
1638139	9/14/2018	8/27/2018	0.7	10.3	6.9	24	0.1	7.5	5.5	248	1.15	4.8	0.3
1638140	9/14/2018	8/27/2018	0.6	20.1	10.4	48	0.2	17.1	10.5	1495	1.92	7.3	0.4
1638141	9/14/2018	8/27/2018	1	24.3	13.3	50	0.1	26.5	11.1	462	2.96	23.4	0.8
1638142	9/14/2018	8/27/2018	0.5	43.8	8.3	54	0.05	32.7	14.9	615	3.28	7.4	0.5
1638143	9/14/2018	8/27/2018	0.5	29.3	6.9	61	0.05	27.7	18.5	644	4.84	7	0.3
1638144	9/14/2018	8/27/2018	0.6	56.4	7	60	0.1	30.7	14.3	547	3.07	7	0.4
1638145	9/14/2018	8/27/2018	0.6	66.5	6.8	56	0.05	35.2	12.1	457	2.78	6.3	0.5

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1639418	10	3.3	47	0.05	0.8	0.1	88	1.04	0.049	13	49	0.94	163
1639419	3.4	2.7	48	0.1	0.7	0.1	87	0.98	0.04	13	46	0.89	156
1639420	5	2.4	58	0.1	0.7	0.1	98	1.33	0.079	14	48	1.15	150
1639421	4.5	2.3	54	0.1	0.8	0.1	73	1.26	0.077	15	46	0.81	193
1639422	1.7	2.2	44	0.2	0.6	0.1	89	0.89	0.027	16	56	0.81	161
1639423	3.2	2.7	37	0.05	0.5	0.1	83	0.72	0.028	15	50	0.82	160
1639424	3	2.6	41	0.2	0.4	0.1	85	0.76	0.033	13	54	0.83	163
1639425	3.4	2.4	42	0.2	0.4	0.1	80	0.84	0.038	14	49	0.77	174
1639426	3.3	1.9	58	0.2	0.7	0.05	65	1.42	0.071	12	38	0.73	136
1639427	1.7	2.6	61	0.2	0.5	0.05	73	1.53	0.093	11	33	0.83	136
1639428	6.5	0.6	24	0.05	0.3	0.1	40	0.39	0.067	7	37	0.49	87
1639429	2.1	0.9	39	0.2	0.3	0.1	68	0.87	0.063	8	45	0.76	136
1639430	1.8	0.7	32	0.2	0.3	0.05	49	0.61	0.084	8	57	0.77	100
1638126	2.6	1.1	40	0.2	0.5	0.1	59	0.93	0.035	13	27	0.4	106
1638127	4.8	1.1	54	0.3	0.8	0.1	67	1.57	0.065	10	39	0.64	145
1638128	3.3	1.2	50	0.2	0.4	0.1	61	1.22	0.056	10	44	0.59	175
1638129	3.5	0.9	56	0.3	0.5	0.1	60	1.47	0.07	10	40	0.61	168
1638130	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1638131	19.3	3.2	48	0.2	0.7	0.2	60	0.92	0.1	17	34	0.67	177
1638132	2.5	0.9	34	0.1	0.3	0.1	48	0.58	0.05	7	23	0.37	114
1638133	11.2	4.2	47	0.2	0.6	0.1	61	0.84	0.088	18	40	0.77	115
1638134	10	2.2	34	0.1	0.4	0.2	35	0.53	0.081	10	24	0.45	104
1638135	16	1.6	85	0.3	0.5	0.2	42	1.59	0.092	14	22	0.29	145
1638136	21	2.3	68	0.1	0.6	0.2	36	1.15	0.084	14	23	0.36	158
1638137	7.3	1.4	40	0.2	0.4	0.2	43	0.64	0.051	11	21	0.36	127
1638138	5.7	4.4	23	0.05	0.6	0.1	69	0.25	0.029	12	40	0.49	146
1638139	0.25	0.8	22	0.3	0.2	0.1	32	0.24	0.029	4	12	0.16	108
1638140	1	1.6	39	1.3	0.3	0.1	37	0.5	0.202	6	21	0.32	297
1638141	3	2.7	42	0.2	0.7	0.1	68	0.7	0.072	14	38	0.75	162
1638142	2.5	1.8	52	0.2	0.8	0.05	84	1.21	0.061	11	47	1.09	125
1638143	2	2	41	0.2	0.7	0.05	105	0.95	0.091	11	40	1.36	132
1638144	2.4	1.7	50	0.2	0.6	0.05	69	1.27	0.066	11	41	0.92	150
1638145	3	1.4	62	0.3	0.6	0.05	62	1.56	0.081	12	37	0.84	244

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1639418	0.128	2	2.25	0.037	0.08	0.1	0.03	7.5	0.05	0.025	6	0.25	0.1
1639419	0.137	2	2.08	0.043	0.07	0.1	0.02	6.9	0.05	0.025	6	0.25	0.1
1639420	0.138	2	2.24	0.042	0.09	0.1	0.03	7.4	0.05	0.025	7	0.25	0.1
1639421	0.084	2	1.78	0.034	0.08	0.05	0.04	5.5	0.05	0.025	5	0.25	0.1
1639422	0.149	2	2.07	0.04	0.06	0.05	0.03	8.4	0.05	0.025	6	0.25	0.1
1639423	0.15	1	2.23	0.045	0.05	0.05	0.03	7.7	0.05	0.025	6	0.25	0.1
1639424	0.151	2	2.29	0.039	0.05	0.05	0.03	8.1	0.05	0.025	6	0.25	0.1
1639425	0.138	2	1.97	0.04	0.05	0.05	0.03	7.4	0.05	0.025	6	0.25	0.1
1639426	0.104	3	1.59	0.042	0.05	0.1	0.03	5.3	0.05	0.025	4	0.6	0.1
1639427	0.121	3	1.48	0.054	0.08	0.2	0.02	5	0.05	0.025	4	0.25	0.1
1639428	0.091	2	1.25	0.021	0.04	0.05	0.04	3	0.05	0.025	5	0.25	0.1
1639429	0.072	2	1.53	0.027	0.04	0.05	0.05	5.1	0.05	0.025	5	0.25	0.1
1639430	0.07	2	1.51	0.019	0.03	0.1	0.07	5.1	0.05	0.025	5	0.25	0.1
1638126	0.056	1	1.34	0.028	0.03	0.1	0.04	4.7	0.05	0.025	5	0.25	0.1
1638127	0.07	2	1.75	0.028	0.05	0.05	0.04	5.5	0.05	0.06	5	0.7	0.1
1638128	0.07	2	1.69	0.021	0.05	0.05	0.06	6.1	0.05	0.025	5	0.25	0.1
1638129	0.061	2	1.39	0.02	0.04	0.05	0.07	4.9	0.05	0.09	4	0.6	0.1
1638130	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1638131	0.036	2	1.5	0.018	0.13	0.05	0.06	5.8	0.1	0.025	5	0.25	0.1
1638132	0.045	2	0.98	0.019	0.07	0.05	0.04	2.8	0.05	0.025	5	0.25	0.1
1638133	0.061	2	1.61	0.023	0.12	0.1	0.04	5.9	0.1	0.025	6	0.25	0.1
1638134	0.047	2	1.35	0.018	0.12	0.05	0.04	3.5	0.1	0.025	5	0.25	0.1
1638135	0.032	3	1.08	0.016	0.1	0.05	0.06	3.4	0.1	0.025	4	0.25	0.1
1638136	0.028	2	1.19	0.018	0.11	0.1	0.06	4.1	0.1	0.05	4	0.5	0.1
1638137	0.028	0.5	1.54	0.015	0.09	0.05	0.02	2.9	0.1	0.025	5	0.25	0.1
1638138	0.073	2	2.53	0.019	0.05	0.05	0.03	6.3	0.1	0.025	7	0.25	0.1
1638139	0.046	0.5	0.67	0.019	0.04	0.05	0.02	1.3	0.05	0.025	4	0.25	0.1
1638140	0.051	2	1.25	0.029	0.12	0.05	0.03	3	0.05	0.025	4	0.25	0.1
1638141	0.069	2	1.88	0.019	0.1	0.1	0.03	4.4	0.05	0.025	6	0.25	0.1
1638142	0.094	3	1.89	0.03	0.08	0.05	0.05	7.3	0.05	0.025	6	0.25	0.1
1638143	0.157	2	2.22	0.024	0.14	0.1	0.02	6.7	0.1	0.025	9	0.25	0.1
1638144	0.116	3	1.8	0.041	0.09	0.05	0.04	5.5	0.05	0.025	5	0.25	0.1
1638145	0.08	5	1.56	0.037	0.08	0.05	0.04	4.8	0.05	0.025	5	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1638146	WEL	Justin Leith	8/10/2018	07N	559352	6933903	-139.8466577	62.53132845	823	Auger
1638147	WEL	Justin Leith	8/10/2018	07N	559390	6933867	-139.845932	62.53099929	802	Mattock
1638148	WEL	Justin Leith	8/10/2018	07N	559426	6933831	-139.8452451	62.53067044	783	Auger
1638149	WEL	Justin Leith	8/10/2018	07N	559461	6933795	-139.8445777	62.53034176	766	Auger
1638150	WEL	Justin Leith	8/10/2018	07N	559461	6933795	-139.8445777	62.53034176	766	
1638151	WEL	Justin Leith	8/10/2018	07N	559497	6933761	-139.8438901	62.53003086	749	Auger
1638152	WEL	Justin Leith	8/10/2018	07N	559535	6933726	-139.8431641	62.52971066	730	Auger
1638153	WEL	Justin Leith	8/10/2018	07N	559569	6933691	-139.8425158	62.5293911	711	Auger
1638154	WEL	Justin Leith	8/10/2018	07N	559604	6933657	-139.8418477	62.52908035	695	Auger
1638155	WEL	Justin Leith	8/10/2018	07N	559640	6933621	-139.8411609	62.52875148	675	Auger
1638156	WEL	Justin Leith	8/10/2018	07N	559676	6933586	-139.8404738	62.52843159	679	Auger
1638157	WEL	Justin Leith	8/10/2018	07N	559711	6933550	-139.8398065	62.52810288	685	Auger
1639001	WEL	Marek Pekarik	8/10/2018	07N	558567	6934525	-139.8616954	62.53703535	879	Auger
1639002	WEL	Marek Pekarik	8/10/2018	07N	558609	6934497	-139.8608889	62.53677743	831	Auger
1639003	WEL	Marek Pekarik	8/10/2018	07N	558639	6934463	-139.8603176	62.53646755	826	Auger
1639004	WEL	Marek Pekarik	8/10/2018	07N	558675	6934423	-139.8596318	62.53610289	838	Auger
1639005	WEL	Marek Pekarik	8/10/2018	07N	558713	6934390	-139.8589048	62.53580072	822	Auger
1639006	WEL	Marek Pekarik	8/10/2018	07N	558747	6934353	-139.8582568	62.53546328	866	Auger
1639007	WEL	Marek Pekarik	8/10/2018	07N	558785	6934317	-139.8575309	62.53513418	873	Auger
1639008	WEL	Marek Pekarik	8/10/2018	07N	558830	6934282	-139.8566686	62.53481294	879	Auger
1639009	WEL	Marek Pekarik	8/10/2018	07N	558856	6934250	-139.8561744	62.53452163	909	Auger
1639010	WEL	Marek Pekarik	8/10/2018	07N	558893	6934214	-139.8554679	62.53419268	916	Auger
1639011	WEL	Marek Pekarik	8/10/2018	07N	558931	6934180	-139.8547413	62.53388152	927	Auger
1639012	WEL	Marek Pekarik	8/10/2018	07N	558964	6934143	-139.8541129	62.53354422	963	Auger
1639013	WEL	Marek Pekarik	8/10/2018	07N	558999	6934109	-139.8534446	62.53323353	958	Auger
1639014	WEL	Marek Pekarik	8/10/2018	07N	559038	6934068	-139.852701	62.53285937	947	Auger
1639015	WEL	Marek Pekarik	8/10/2018	07N	559068	6934034	-139.8521299	62.53254947	926	Auger
1639016	WEL	Marek Pekarik	8/10/2018	07N	559107	6934002	-139.8513833	62.53225607	923	Auger
1639017	WEL	Marek Pekarik	8/10/2018	07N	559144	6933972	-139.8506748	62.53198094	913	Auger
1639018	WEL	Marek Pekarik	8/10/2018	07N	559178	6933936	-139.8500267	62.53165244	890	Auger
1639019	WEL	Marek Pekarik	8/10/2018	07N	559214	6933895	-139.8493415	62.53127875	844	Auger
1639020	WEL	Marek Pekarik	8/10/2018	07N	559247	6933863	-139.8487115	62.5309863	848	Auger
1639021	WEL	Marek Pekarik	8/10/2018	07N	559282	6933826	-139.8480443	62.53064866	829	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1638146	40	B	Pronounced Slo	Chocolate Brow	Dwarf Birch	Bare Soil	Damp	Good	Silt
1638147	40	B	Pronounced Slo	Dark Brown	Birch Forest	Grass Cover	Damp	Good	Silt
1638148	40	B	Subtle Slope	Grey	Dwarf Birch	Grass Cover	Damp	Good	Silt
1638149	40	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Bare Soil	Damp	Good	Silt
1638150									
1638151	50	B	Pronounced Slo	Dark Olivine Gre	Dwarf Birch	Bare Soil	Damp	Good	Silt
1638152	40	B	Subtle Slope	Dark Grey Black	Dwarf Birch	Leaf Cover	Damp	Good	Silt
1638153	40	B	Pronounced Slo	Dark Grey Black	Birch Forest	Bare Soil	Damp	Good	Silt
1638154	50	B	Pronounced Slo	Dark Grey Black	No Tree Cover	Bare Soil	Damp	Good	Silt
1638155	50	B	Subtle Slope	Dark Grey Black	Dwarf Birch	Thin Moss Cover	Damp	Good	Silt
1638156	60	B	Subtle Slope	Dark Grey Black	Black Spruce	Reindeer Moss	Damp	Good	Silt
1638157	50	B	Subtle Slope	Dark Grey Black	Black Spruce	Reindeer Moss	Damp	Good	Silt
1639001	70	B	Pronounced Slo	Chocolate Brow	Alders	Leaf Cover	Damp	Good	Clay
1639002	60	B	Steep	Dark Brown	Alders	Grass Cover	Damp	Good	Clay
1639003	40	B	Steep	Chocolate Brow	Alders	Bare Soil	Damp	Good	Gravel
1639004	40	B	Steep	Chocolate Brow	Alders	Leaf Cover	Damp	Good	Clay
1639005	70	B	Steep	Dark Brown	Alders	Sphagnum Moss > 30cm	Damp	Good	Clay
1639006	60	B	Steep	Dark Grey Black	Black Spruce	Sphagnum Moss < 30cm	Wet	Good	Clay
1639007	60	B	Steep	Chocolate Brow	Black Spruce	Reindeer Moss	Wet	Good	Clay
1639008	40	B	Steep	Chocolate Brow	Alders	Grass Cover	Damp	Good	Clay
1639009	90	B	Steep	Chocolate Brow	Black Spruce	Sphagnum Moss > 30cm	Damp	Good	Clay
1639010	70	B	Steep	Chocolate Brow	Alders	Sphagnum Moss < 30cm	Wet	Good	Clay
1639011	60	B	Steep	Chocolate Brow	Black Spruce	Grass Cover	Damp	Good	Gravel
1639012	40	B	Flat	Chocolate Brow	Alders	Thin Moss Cover	Damp	Good	Clay
1639013	50	B	Subtle Slope	Chocolate Brow	Alders	Grass Cover	Wet	Good	Gravel
1639014	50	B	Subtle Slope	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Gravel
1639015	40	B	Pronounced Slo	Reddish Brown	Birch Forest	Leaf Cover	Damp	Good	Gravel
1639016	40	B	Pronounced Slo	Chocolate Brow	Alders	Grass Cover	Damp	Good	Gravel
1639017	90	B	Pronounced Slo	Chocolate Brow	Alders	Grass Cover	Damp	Good	Clay
1639018	50	B	Pronounced Slo	Chocolate Brow	Alders	Bare Soil	Damp	Good	Clay
1639019	40	B	Pronounced Slo	Chocolate Brow	Alders	Bare Soil	Damp	Good	Gravel
1639020	50	B	Steep	Chocolate Brow	Alders	Bare Soil	Damp	Good	Gravel
1639021	70	B	Pronounced Slo	Chocolate Brow	Alders	Bare Soil	Damp	Good	Clay

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1638146	Rocky Sample			'00056065		Soil	WEL-20180816-0	White Gold C	WHI18000760
1638147	Organic 10%			'00056065		Soil	WEL-20180816-0	White Gold C	WHI18000760
1638148	Rocky Sample			'00056065		Soil	WEL-20180816-0	White Gold C	WHI18000760
1638149	Rocky Sample			'00056065		Soil	WEL-20180816-0	White Gold C	WHI18000760
1638150				'00056065	1638149	Soil	WEL-20180816-0	White Gold C	WHI18000760
1638151	Organic 10%			'00056065		Soil	WEL-20180816-0	White Gold C	WHI18000760
1638152	Rocky Sample			'00056065		Soil	WEL-20180816-0	White Gold C	WHI18000760
1638153	Organic 10%			'00056065		Soil	WEL-20180816-0	White Gold C	WHI18000760
1638154	Organic 10%			'00056065		Soil	WEL-20180816-0	White Gold C	WHI18000760
1638155	Possible Creek Contamination			'00056065		Soil	WEL-20180816-0	White Gold C	WHI18000760
1638156	Organic 10%			'00056065		Soil	WEL-20180816-0	White Gold C	WHI18000760
1638157	Organic 10%			'00056065		Soil	WEL-20180816-0	White Gold C	WHI18000760
1639001	Clay			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639002	Clay,Wet Soil			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639003	Coarse,Sandy			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639004	Clay,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639005	Clay,Partially Frozen			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639006	Clay,Rocky Terrain,Wet Soil			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639007	Mud,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639008	Clay,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639009	Clay,Rocky Terrain,Wet Soil			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639010	Mud,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639011	Bright Orange Rust,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639012	Clay,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639013	Mud,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639014	Clay,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639015	Coarse,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639016	Coarse,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639017	Clay,Coarse,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639018	Coarse,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639019	Coarse,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639020	Coarse,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759
1639021	Clay,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold C	WHI18000759

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1638146	9/14/2018	8/27/2018	0.6	51.5	6.9	52	0.05	33	13.7	480	2.62	7.1	0.5
1638147	9/14/2018	8/27/2018	0.7	43	7.3	52	0.05	29.7	14.5	566	2.85	5.1	0.5
1638148	9/14/2018	8/27/2018	0.7	71.3	7.9	51	0.05	34.5	15.5	528	3.05	6.8	0.7
1638149	9/14/2018	8/27/2018	1	51.5	8	74	0.1	32.7	12.9	655	2.55	5	0.5
1638150	9/14/2018	8/27/2018	1	66.4	7.1	49	0.05	33.7	12.5	448	2.44	4.5	0.5
1638151	9/14/2018	8/27/2018	1	53.7	7.3	59	0.1	36.4	14.8	532	2.85	7.4	0.5
1638152	9/14/2018	8/27/2018	0.8	46.4	6.4	59	0.05	32.6	12.3	427	2.97	9.7	0.5
1638153	9/14/2018	8/27/2018	0.4	44.4	6	56	0.05	29.7	12.5	385	2.69	5.6	0.5
1638154	9/14/2018	8/27/2018	0.6	50.5	14.9	60	0.1	31.6	12.2	376	2.66	6.3	0.6
1638155	9/14/2018	8/27/2018	0.4	41.5	5.5	47	0.05	27.5	14.5	434	2.58	5.8	1.2
1638156	9/14/2018	8/27/2018	0.5	41.1	6.8	71	0.05	28.5	13	369	2.78	6.8	0.8
1638157	9/14/2018	8/27/2018	0.4	21.6	6.4	51	0.05	18.1	8.3	242	2.03	4.2	0.5
1639001	9/13/2018	8/27/2018	0.8	49.7	6	56	0.1	28.8	15	404	2.82	11.8	0.7
1639002	9/13/2018	8/27/2018	0.4	50.3	6.4	42	0.2	22.9	9.7	355	1.84	7.6	1
1639003	9/13/2018	8/27/2018	0.8	37.8	5.4	48	0.05	27.6	12.1	419	2.47	6.5	0.7
1639004	9/13/2018	8/27/2018	1.2	53	6.7	65	0.2	36.5	18.5	668	3.17	8.8	0.7
1639005	9/13/2018	8/27/2018	0.6	21.3	5.3	57	0.05	19.9	13.5	553	2	4.9	0.5
1639006	9/13/2018	8/27/2018	0.8	26.4	4.7	51	0.05	17.5	11.5	745	1.98	5.9	0.5
1639007	9/13/2018	8/27/2018	0.5	35.7	4.5	48	0.05	19.6	14.2	1236	2.48	4.2	0.6
1639008	9/13/2018	8/27/2018	0.8	34.7	18.1	61	0.05	42.6	18.5	404	3.57	39.6	1.8
1639009	9/13/2018	8/27/2018	0.9	21.6	26.5	52	0.2	23	20.2	1000	2.35	49.1	1.6
1639010	9/13/2018	8/27/2018	0.7	16.7	21.8	54	0.1	14.7	11.8	268	1.93	28.1	2.1
1639011	9/13/2018	8/27/2018	0.8	13.5	12.6	27	0.1	8.4	5.6	164	1.51	21.3	0.7
1639012	9/13/2018	8/27/2018	1.2	26.9	12.8	61	0.05	25.9	12.5	361	3.25	12.3	0.7
1639013	9/13/2018	8/27/2018	1.6	28.7	13.5	60	0.1	24.9	16.6	1790	2.71	12.8	0.9
1639014	9/13/2018	8/27/2018	1.1	28.5	14.3	51	0.05	34.6	14.4	449	3.18	15.1	0.7
1639015	9/13/2018	8/27/2018	1.1	13.6	15	59	0.2	19.4	10.1	194	2.94	35.7	0.5
1639016	9/13/2018	8/27/2018	1	15.6	12.2	46	0.05	23.1	14.1	346	2.87	28.9	0.5
1639017	9/13/2018	8/27/2018	0.8	52.8	9.2	60	0.1	47.8	19.8	874	3.88	29	0.5
1639018	9/13/2018	8/27/2018	0.8	41.3	9.4	55	0.1	43.7	19.7	852	3.92	11.7	0.9
1639019	9/13/2018	8/27/2018	0.6	53.5	7.3	61	0.05	36.8	17.5	565	3.66	12	0.6
1639020	9/13/2018	8/27/2018	0.6	51.6	8.4	54	0.05	32.4	16.6	761	3.27	11.9	0.5
1639021	9/13/2018	8/27/2018	0.4	51.3	7.6	46	0.1	33.8	12.4	461	2.71	9.8	0.8

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1638146	3.3	1.8	42	0.2	0.6	0.2	69	0.98	0.051	12	51	0.81	197
1638147	1.2	1.6	44	0.4	0.5	0.05	62	0.88	0.053	9	42	0.71	223
1638148	2.3	1.9	48	0.1	0.6	0.05	71	1.05	0.039	12	51	0.8	173
1638149	1.8	1.3	65	0.4	0.5	0.05	57	1.49	0.083	10	42	0.73	228
1638150	2.1	1	65	0.2	0.5	0.05	56	1.67	0.068	15	41	0.78	169
1638151	2.2	2.2	54	0.3	0.6	0.1	69	1.35	0.066	12	46	0.88	180
1638152	2.2	2.2	50	0.1	0.5	0.1	70	1.15	0.068	11	44	0.87	170
1638153	1.3	2	49	0.2	0.5	0.05	66	1.27	0.057	10	40	0.77	142
1638154	3.5	1.5	58	0.3	0.8	0.2	63	1.5	0.075	12	40	0.86	162
1638155	13.3	1.6	54	0.1	0.5	0.1	66	1.44	0.061	10	40	0.78	142
1638156	5.5	2.5	42	0.3	0.6	0.05	68	0.76	0.088	12	37	0.83	151
1638157	3.6	1.3	30	0.1	0.2	0.1	51	0.56	0.059	7	32	0.6	90
1639001	3.8	2.1	44	0.2	0.5	0.05	85	1.04	0.055	12	46	0.71	126
1639002	1.2	1.3	67	0.2	0.5	0.05	49	1.91	0.061	13	30	0.46	128
1639003	3.4	1.6	60	0.2	0.7	0.05	64	1.45	0.052	11	39	0.65	161
1639004	3.8	2.4	43	0.4	0.6	0.1	80	0.78	0.08	15	51	0.69	249
1639005	1.8	1	49	0.2	0.3	0.05	52	0.96	0.065	9	32	0.61	110
1639006	4.1	0.9	76	0.2	0.4	0.05	52	1.61	0.079	10	25	0.55	137
1639007	1.7	1.1	79	0.2	0.4	0.05	60	1.6	0.076	13	24	0.63	178
1639008	7.9	6.4	33	0.05	0.7	0.3	82	0.58	0.096	19	62	0.9	121
1639009	13.9	2.7	40	0.2	0.9	0.2	52	0.58	0.076	19	32	0.47	147
1639010	16.3	4	43	0.2	0.9	0.2	33	0.58	0.098	31	20	0.34	134
1639011	9.6	0.5	28	0.1	0.3	0.1	41	0.37	0.05	10	18	0.23	109
1639012	1.2	3.8	31	0.1	0.5	0.2	76	0.37	0.047	13	39	0.55	181
1639013	6.8	3.1	30	0.2	0.5	0.2	65	0.37	0.054	16	36	0.44	222
1639014	14.2	6.8	34	0.05	0.6	0.1	81	0.53	0.034	16	50	0.67	192
1639015	1.7	4.1	24	0.1	0.6	0.2	71	0.34	0.036	17	34	0.53	128
1639016	41.9	4.5	26	0.05	0.6	0.2	73	0.33	0.015	14	43	0.56	163
1639017	6.7	3.8	52	0.1	1	0.1	93	1.16	0.046	17	60	0.92	209
1639018	4.7	3.2	46	0.2	0.7	0.1	109	0.92	0.034	18	65	0.97	193
1639019	5.9	3.2	53	0.1	0.7	0.1	105	1.19	0.049	16	57	0.95	147
1639020	3.2	3.1	55	0.2	0.6	0.1	87	1.19	0.061	16	47	0.85	202
1639021	4.6	2.2	68	0.2	0.7	0.1	70	1.61	0.068	14	42	0.68	193

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1638146	0.085	3	1.84	0.037	0.06	0.05	0.03	6.6	0.05	0.025	5	0.25	0.1
1638147	0.087	2	1.69	0.032	0.05	0.05	0.02	5.1	0.05	0.025	5	0.25	0.1
1638148	0.104	2	2.01	0.039	0.05	0.05	0.03	6.1	0.05	0.025	5	0.5	0.1
1638149	0.092	6	1.57	0.035	0.08	0.05	0.05	5.7	0.05	0.025	4	0.25	0.1
1638150	0.084	5	1.52	0.03	0.05	0.1	0.05	5.2	0.05	0.07	4	0.5	0.1
1638151	0.113	5	1.8	0.043	0.07	0.1	0.03	6.2	0.05	0.025	5	0.25	0.1
1638152	0.106	4	1.71	0.042	0.08	0.1	0.02	5.8	0.05	0.025	5	0.25	0.1
1638153	0.1	4	1.61	0.035	0.06	0.1	0.03	5.3	0.05	0.025	5	0.25	0.1
1638154	0.08	3	1.61	0.038	0.05	0.1	0.04	4.9	0.05	0.025	5	0.25	0.1
1638155	0.091	3	1.64	0.036	0.06	0.2	0.03	5.3	0.05	0.025	5	0.6	0.1
1638156	0.109	2	1.63	0.046	0.06	0.1	0.03	5.7	0.05	0.025	5	0.25	0.1
1638157	0.079	2	1.36	0.024	0.04	0.05	0.04	4	0.05	0.025	5	0.25	0.1
1639001	0.126	2	1.99	0.036	0.06	0.1	0.04	7.1	0.05	0.06	6	0.25	0.1
1639002	0.061	3	1.5	0.027	0.05	0.05	0.06	6	0.05	0.025	3	0.25	0.1
1639003	0.11	3	1.75	0.033	0.06	0.1	0.06	5.7	0.05	0.025	5	0.25	0.1
1639004	0.117	2	2.23	0.036	0.08	0.05	0.03	7.2	0.1	0.025	6	0.25	0.1
1639005	0.074	2	1.32	0.031	0.07	0.1	0.04	4.2	0.05	0.025	4	0.25	0.1
1639006	0.063	3	1.24	0.027	0.06	0.05	0.04	4.6	0.05	0.1	4	0.6	0.1
1639007	0.076	3	1.45	0.029	0.1	0.05	0.04	6.5	0.05	0.08	5	0.9	0.1
1639008	0.09	2	2.25	0.022	0.16	0.05	0.04	6.8	0.2	0.025	7	0.25	0.1
1639009	0.038	2	1.65	0.017	0.16	0.05	0.07	3.6	0.2	0.06	5	0.25	0.1
1639010	0.039	2	1.28	0.021	0.23	0.1	0.08	3.5	0.2	0.08	4	0.25	0.1
1639011	0.044	0.5	1.29	0.017	0.09	0.05	0.03	1.9	0.1	0.025	6	0.25	0.1
1639012	0.101	2	2.54	0.026	0.09	0.1	0.02	4.5	0.1	0.025	7	0.25	0.1
1639013	0.074	1	2.31	0.032	0.09	0.05	0.04	5.4	0.2	0.025	6	0.25	0.1
1639014	0.125	2	2.23	0.037	0.15	0.05	0.02	8.1	0.1	0.025	6	0.25	0.1
1639015	0.054	1	2.35	0.018	0.14	0.1	0.01	4.3	0.2	0.025	8	0.25	0.1
1639016	0.106	0.5	1.71	0.026	0.23	0.05	0.01	4.1	0.1	0.025	5	0.25	0.1
1639017	0.122	2	2.38	0.052	0.11	0.05	0.03	9.2	0.05	0.025	7	0.25	0.1
1639018	0.146	3	2.67	0.043	0.08	0.05	0.04	10.1	0.05	0.025	7	0.25	0.1
1639019	0.15	3	2.27	0.046	0.1	0.2	0.03	8.4	0.05	0.025	7	0.25	0.1
1639020	0.116	3	2.12	0.056	0.17	0.1	0.02	7.6	0.05	0.025	6	0.25	0.1
1639021	0.094	2	1.74	0.044	0.09	0.05	0.03	5.7	0.05	0.06	5	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1639022	WEL	Marek Pekarik	8/10/2018	07N	559326	6933797	-139.8471996	62.53038136	812	Auger
1639023	WEL	Marek Pekarik	8/10/2018	07N	559358	6933762	-139.8465901	62.53006214	816	Auger
1639024	WEL	Marek Pekarik	8/10/2018	07N	559394	6933726	-139.8459032	62.5297333	762	Auger
1639025	WEL	Marek Pekarik	8/10/2018	07N	559394	6933726	-139.8459032	62.5297333	762	
1639026	WEL	Marek Pekarik	8/10/2018	07N	559430	6933683	-139.8452188	62.52934164	742	Auger
1639027	WEL	Marek Pekarik	8/10/2018	07N	559465	6933656	-139.8445483	62.52909372	733	Auger
1639028	WEL	Marek Pekarik	8/10/2018	07N	559502	6933623	-139.843841	62.52879163	738	Auger
1639029	WEL	Marek Pekarik	8/10/2018	07N	559533	6933581	-139.8432534	62.52840974	693	Auger
1639030	WEL	Marek Pekarik	8/10/2018	07N	559570	6933549	-139.8425458	62.52811662	727	Auger
1639031	WEL	Marek Pekarik	8/10/2018	07N	559608	6933514	-139.8418198	62.52779641	737	Auger
1639032	WEL	Marek Pekarik	8/10/2018	07N	559640	6933480	-139.8412101	62.52748614	721	Auger
1673683	WEL	Simon Cash	8/10/2018	07N	558712	6934670	-139.858828	62.53831362	785	Auger
1673684	WEL	Simon Cash	8/10/2018	07N	558752	6934642	-139.8580604	62.538056	764	Auger
1673685	WEL	Simon Cash	8/10/2018	07N	558786	6934601	-139.8574138	62.53768266	750	Auger
1673686	WEL	Simon Cash	8/10/2018	07N	558816	6934567	-139.8568425	62.53737278	736	Auger
1673687	WEL	Simon Cash	8/10/2018	07N	558850	6934529	-139.8561949	62.53702636	742	Auger
1673688	WEL	Simon Cash	8/10/2018	07N	558886	6934494	-139.8555075	62.53670654	765	Auger
1673689	WEL	Simon Cash	8/10/2018	07N	558921	6934459	-139.8548394	62.53638688	784	Auger
1673690	WEL	Simon Cash	8/10/2018	07N	558959	6934429	-139.8541114	62.53611161	804	Auger
1673692	WEL	Simon Cash	8/10/2018	07N	559035	6934359	-139.8526589	62.53547131	852	Auger
1673693	WEL	Simon Cash	8/10/2018	07N	559068	6934322	-139.8520304	62.535134	877	Auger
1673694	WEL	Simon Cash	8/10/2018	07N	559107	6934277	-139.8512882	62.53472394	901	Auger
1673695	WEL	Simon Cash	8/10/2018	07N	558997	6934394	-139.8533851	62.53579146	828	Auger
1673696	WEL	Simon Cash	8/10/2018	07N	559137	6934253	-139.8507136	62.53450378	922	Auger
1673697	WEL	Simon Cash	8/10/2018	07N	559173	6934216	-139.850027	62.53416598	939	Auger
1673698	WEL	Simon Cash	8/10/2018	07N	559209	6934182	-139.8493393	62.53385511	941	Auger
1673699	WEL	Simon Cash	8/10/2018	07N	559248	6934144	-139.8485947	62.53350785	929	Auger
1673700	WEL	Simon Cash	8/10/2018	07N	559248	6934144	-139.8485947	62.53350785	929	
1673701	WEL	Simon Cash	8/10/2018	07N	559279	6934109	-139.8480045	62.5331888	905	Auger
1673702	WEL	Simon Cash	8/10/2018	07N	559317	6934077	-139.8472773	62.53289554	898	Auger
1673703	WEL	Simon Cash	8/10/2018	07N	559353	6934041	-139.8465904	62.53256671	888	Auger
1673704	WEL	Simon Cash	8/10/2018	07N	559389	6934008	-139.8459025	62.53226479	868	Auger
1673705	WEL	Simon Cash	8/10/2018	07N	559423	6933974	-139.8452537	62.53195422	847	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1639022	40	A	Pronounced Slo	Dark Brown	Alders	Grass Cover	Damp	Good	Clay
1639023	50	B	Steep	Dark Brown	Alders	Bare Soil	Damp	Good	Clay
1639024	50	B	Steep	Dark Brown	Alders	Bare Soil	Damp	Good	Clay
1639025									
1639026	50	B	Pronounced Slo	Dark Brown	Alders	Grass Cover	Damp	Good	Clay
1639027	60	B	Pronounced Slo	Dark Brown	Alders	Leaf Cover	Damp	Good	Clay
1639028	60	B	Pronounced Slo	Chocolate Brow	Alders	Grass Cover	Damp	Good	Clay
1639029	50	C	Subtle Slope	Chocolate Brow	Alders	Leaf Cover	Damp	Good	Clay
1639030	60	B	Subtle Slope	Chocolate Brow	Black Spruce	Reindeer Moss	Wet	Good	Clay
1639031	40	B	Flat	Chocolate Brow	Black Spruce	Sphagnum Moss < 30cm	Wet	Good	Clay
1639032	50	B	Steep	Chocolate Brow	Black Spruce	Sphagnum Moss < 30cm	Wet	Good	Gravel
1673683	60	B	Pronounced Slo	Chocolate Brow	Birch Forest	Thin Moss Cover	Damp	Good	Sand
1673684	90	B	Pronounced Slo	Dark Grey Black	Old Burn	Grass Cover	Damp	Good	Sand
1673685	90	B	Subtle Slope	Dark Grey Black	Dwarf Birch	Thin Moss Cover	Damp	Good	Sand
1673686	60	B	Subtle Slope	Dark Grey Black	Dwarf Birch	Leaf Cover	Damp	Good	Sand
1673687	110	B	Pronounced Slo	Dark Grey Black	Black Spruce	Reindeer Moss	Damp	Good	Sand
1673688	60	B	Subtle Slope	Dark Grey Black	Black Spruce	Reindeer Moss	Damp	Good	Sand
1673689	50	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Thin Moss Cover	Damp	Good	Sand
1673690	70	C	Subtle Slope	Chocolate Brow	Dwarf Birch	Thin Moss Cover	Damp	Excellent	Sand
1673692	60	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Thin Moss Cover	Damp	Good	Sand
1673693	50	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Grass Cover	Wet	Good	Sand
1673694	60	C	Subtle Slope	Chocolate Brow	Birch Forest	Thin Moss Cover	Damp	Good	Sand
1673695	60	B	Subtle Slope	Chocolate Brow	Birch Forest	Sphagnum Moss < 30cm	Damp	Good	Sand
1673696	50	B	Subtle Slope	Light Brown	Birch Forest	Leaf Cover	Damp	Good	Sand
1673697	40	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Burnt Moss	Damp	Excellent	Sand
1673698	40	C	Subtle Slope	Chocolate Brow	Dwarf Birch	Leaf Cover	Damp	Excellent	Sand
1673699	50	C	Subtle Slope	Chocolate Brow	Poplar	Leaf Cover	Damp	Excellent	Sand
1673700									
1673701	60	C	Subtle Slope	Chocolate Brow	Poplar	Burnt Moss	Damp	Good	Sand
1673702	60	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Burnt Moss	Damp	Good	Sand
1673703	30	B	Subtle Slope	Dark Brown	No Tree Cover	Rock Cover	Damp	Good	Sand
1673704	40	B	Subtle Slope	Chocolate Brow	Poplar	Leaf Cover	Damp	Good	Sand
1673705	30	B	Subtle Slope	Dark Brown	Poplar	Rock Cover	Damp	Good	Sand

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1639022	Clay,Organic 25%,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1639023	Clay,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1639024	Clay,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1639025				'00056876	1639024	Soil	WEL-20180816-0	White Gold Co	WHI18000759
1639026	Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1639027	Clay,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1639028	Clay,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1639029	Bright Orange Rust,Clay,Rocky Sample,Rocky Terrain,Rusty Rock Chi			'00056876		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1639030	Mud,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1639031	Clay,Partially Frozen			'00056876		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1639032	Coarse,Mud,Rocky Sample,Rocky Terrain			'00056876		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673683	Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673684	Coarse			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673685	Coarse,Rusty Rock Chip			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673686	Coarse,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673687	Coarse,Organic 10%,Partially Frozen			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673688	Coarse			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673689	Fine,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673690	Quartz Chips,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673692	Coarse,Quartz Chips,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673693	Coarse,Partially Frozen,Possible Creek Contamination,Rocky Sample,			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673694	Coarse,Quartz Chips,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673695	Coarse,Rocky Sam	Sample I'd is 95. 91 was lost in field. Any 1673691		'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673696	Coarse,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673697	Coarse,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673698	Coarse,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673699	Outcrop Nearby,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673700				'00056085	1673699	Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673701	Coarse,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673702	Clay,Coarse,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673703	Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673704	Coarse			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759
1673705	Organic 10%,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold Co	WHI18000759

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1639022	9/13/2018	8/27/2018	0.5	46.9	6.2	46	0.1	29.8	12	468	2.4	6.7	0.8
1639023	9/13/2018	8/27/2018	0.5	44.4	6.4	45	0.05	29.4	11.3	386	2.47	7.1	0.9
1639024	9/13/2018	8/27/2018	0.5	46.8	5.6	57	0.05	30.4	13.5	452	2.55	6.7	0.8
1639025	9/13/2018	8/27/2018	0.4	43.6	6	46	0.05	29.9	13	417	2.54	6.9	1.1
1639026	9/13/2018	8/27/2018	0.5	50.6	6.8	54	0.1	33.5	14.9	409	3.19	8.5	0.9
1639027	9/13/2018	8/27/2018	0.5	57.5	5.1	49	0.05	32.4	12.8	386	2.65	5.6	1.1
1639028	9/13/2018	8/27/2018	0.6	42.2	5.5	49	0.05	26.6	13.2	449	2.46	5.6	0.8
1639029	9/13/2018	8/27/2018	1	54.7	4.9	60	0.1	44.2	19.6	589	3.38	6.9	0.7
1639030	9/13/2018	8/27/2018	0.5	35.7	6.4	68	0.05	38.7	16	342	2.69	4.5	0.7
1639031	9/13/2018	8/27/2018	0.8	31.6	5.9	57	0.05	26.1	13.6	298	2.26	3.4	0.5
1639032	9/13/2018	8/27/2018	0.8	42.8	8.1	66	0.1	23.9	15.6	566	2.04	2.8	0.7
1673683	9/13/2018	8/27/2018	0.7	56.2	6.7	51	0.05	30.5	16.5	416	3.14	10.5	1
1673684	9/13/2018	8/27/2018	0.4	51.8	11.8	52	0.2	25.4	11.2	355	2.03	6.3	0.9
1673685	9/13/2018	8/27/2018	0.3	42.4	24.4	72	0.2	26	11.9	341	2.25	7.5	0.8
1673686	9/13/2018	8/27/2018	0.6	37.9	38.3	67	0.2	25	16.3	521	2.67	8.1	0.6
1673687	9/13/2018	8/27/2018	0.5	28.6	5.8	52	0.05	18.8	12.2	624	2.19	7.7	0.8
1673688	9/13/2018	8/27/2018	0.4	26	8.2	67	0.05	22.3	16.1	402	2.89	10.4	1.1
1673689	9/13/2018	8/27/2018	0.7	25.4	13.6	54	0.1	19.3	11.4	381	2.4	41.7	1.6
1673690	9/13/2018	8/27/2018	0.8	16.9	21.6	62	0.05	16.9	14.8	835	2.41	29.6	1.5
1673692	9/13/2018	8/27/2018	0.6	18.8	19.7	56	0.1	17.5	11.5	332	2.74	22.9	1.7
1673693	9/13/2018	8/27/2018	0.5	26	23.5	57	0.1	21.1	15	678	2.86	61.3	2.5
1673694	9/13/2018	8/27/2018	0.5	12.4	21.3	52	0.05	19.1	15.1	611	2.33	44.6	0.6
1673695	9/13/2018	8/27/2018	0.6	15.5	18	54	0.05	17.6	10.7	380	2.27	24.6	1.1
1673696	9/13/2018	8/27/2018	0.8	21.9	19.1	45	0.05	26.4	13.4	353	2.57	45.9	1.2
1673697	9/13/2018	8/27/2018	0.8	29	7.1	53	0.05	40.8	18.7	801	2.95	8.1	0.5
1673698	9/13/2018	8/27/2018	1.3	29.5	7.3	74	0.05	37.8	22.6	782	4.85	10.2	0.5
1673699	9/13/2018	8/27/2018	0.9	85.5	7.9	69	0.05	61.1	28.1	710	5.45	15.9	0.8
1673700	9/13/2018	8/27/2018	1.2	72.6	8.4	74	0.1	48.1	24.1	738	4.26	12.1	0.8
1673701	9/13/2018	8/27/2018	0.5	85.8	5.7	59	0.1	39.4	17.4	633	3.62	12.6	0.3
1673702	9/13/2018	8/27/2018	1.4	47.4	9.7	57	0.05	34.7	14.7	881	3.1	10.4	0.9
1673703	9/13/2018	8/27/2018	1.3	52.8	7.5	75	0.1	36.6	24.9	684	3.74	8.8	0.6
1673704	9/13/2018	8/27/2018	1	56.9	7.4	65	0.2	65.2	34.1	871	4.24	7.7	0.6
1673705	9/13/2018	8/27/2018	1.1	51.6	7	76	0.2	35.3	29	899	3.54	7.9	0.5

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1639022	2.9	1.2	69	0.7	0.6	0.05	61	1.88	0.069	11	38	0.64	177
1639023	2.4	1.6	65	0.2	0.6	0.1	64	1.7	0.061	11	40	0.66	167
1639024	2.2	1.2	71	0.3	0.5	0.05	63	1.88	0.071	12	42	0.74	170
1639025	4.7	1.4	75	0.2	0.6	0.05	64	1.88	0.061	12	41	0.69	184
1639026	2.3	2.3	61	0.2	0.6	0.1	81	1.38	0.052	14	48	0.79	165
1639027	3.9	1.4	66	0.2	0.7	0.05	67	1.77	0.06	11	41	0.74	150
1639028	2.2	1.3	61	0.3	0.5	0.05	66	1.45	0.059	11	38	0.63	166
1639029	6.8	1.5	58	0.3	1	0.05	86	1.59	0.065	11	71	1.06	134
1639030	4.5	2.3	40	0.2	0.4	0.1	85	0.79	0.07	12	54	0.85	145
1639031	2.9	0.9	32	0.1	0.3	0.05	62	0.53	0.073	9	48	0.62	128
1639032	2.3	1	35	0.2	0.4	0.1	61	0.67	0.081	10	48	0.62	131
1673683	3.7	2.4	57	0.2	0.5	0.1	76	1.46	0.034	16	43	0.59	198
1673684	2.9	1.3	73	0.5	0.6	0.1	46	2.04	0.06	10	33	0.51	171
1673685	2.9	2.1	58	0.4	0.6	0.1	68	1.49	0.05	12	42	0.72	148
1673686	6.7	1.9	50	0.3	0.6	0.05	70	1.19	0.055	11	46	0.86	133
1673687	4.2	1.5	87	0.4	0.5	0.1	53	1.65	0.077	10	24	0.69	107
1673688	4.5	2.9	56	0.2	0.4	0.1	75	1.03	0.093	12	38	1.02	113
1673689	18.1	2.6	36	0.2	0.5	0.2	52	0.57	0.075	14	30	0.57	138
1673690	7.5	5	32	0.2	0.5	0.2	48	0.49	0.071	15	28	0.51	169
1673692	7.6	4.5	46	0.05	0.5	0.2	61	0.67	0.061	19	26	0.53	186
1673693	15.4	5.3	34	0.2	0.9	0.3	58	0.57	0.084	19	31	0.55	173
1673694	6.2	6.9	20	0.1	0.5	0.2	54	0.35	0.058	18	26	0.49	118
1673695	7.9	4.2	38	0.1	0.5	0.2	49	0.59	0.059	16	26	0.48	177
1673696	12	8	30	0.05	0.8	0.2	54	0.44	0.076	20	29	0.46	205
1673697	4.5	1.9	39	0.1	0.6	0.1	82	0.85	0.08	10	47	0.75	173
1673698	1.2	2.4	27	0.1	0.7	0.1	122	0.53	0.141	13	60	1.12	142
1673699	1.5	2.4	29	0.1	1.1	0.1	131	0.69	0.042	12	96	1.32	100
1673700	1.6	2.4	27	0.2	1	0.2	107	0.67	0.036	14	85	0.96	129
1673701	4.9	2.4	62	0.05	0.9	0.05	103	2.37	0.06	15	48	1.15	134
1673702	6.9	3.2	36	0.05	1	0.2	81	0.6	0.051	15	41	0.7	228
1673703	3.3	1.5	34	0.3	0.9	0.2	93	0.66	0.058	9	54	0.78	195
1673704	4	2.1	32	0.2	0.6	0.1	110	0.73	0.04	10	87	0.97	168
1673705	0.25	1.1	33	0.4	0.8	0.1	86	0.72	0.095	7	47	0.72	145

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1639022	0.082	3	1.55	0.04	0.08	0.05	0.03	4.7	0.05	0.07	4	0.25	0.1
1639023	0.09	3	1.66	0.043	0.08	0.05	0.04	5.3	0.05	0.06	5	0.25	0.1
1639024	0.094	4	1.62	0.043	0.08	0.1	0.03	4.6	0.05	0.09	5	0.5	0.1
1639025	0.092	3	1.69	0.043	0.08	0.05	0.03	5	0.05	0.07	5	0.6	0.1
1639026	0.127	2	2.03	0.047	0.1	0.05	0.02	6.6	0.05	0.025	6	0.6	0.1
1639027	0.113	4	1.66	0.039	0.07	0.1	0.04	5.3	0.05	0.07	5	0.6	0.1
1639028	0.094	4	1.71	0.046	0.08	0.05	0.03	5.1	0.05	0.06	5	0.7	0.1
1639029	0.081	3	1.99	0.035	0.08	0.05	0.03	8.9	0.05	0.05	6	0.7	0.1
1639030	0.138	3	2.01	0.042	0.06	0.1	0.03	6.4	0.05	0.025	6	0.25	0.1
1639031	0.098	2	1.63	0.025	0.05	0.1	0.05	4.9	0.05	0.08	6	0.25	0.1
1639032	0.077	2	1.59	0.028	0.05	0.05	0.06	6.6	0.1	0.09	5	0.7	0.1
1673683	0.092	2	2.08	0.044	0.14	0.05	0.02	7.6	0.05	0.025	7	0.25	0.1
1673684	0.06	3	1.47	0.031	0.05	0.05	0.04	6.1	0.05	0.06	4	0.6	0.1
1673685	0.097	3	1.63	0.032	0.05	0.1	0.03	7	0.05	0.025	5	0.7	0.1
1673686	0.108	2	1.67	0.038	0.05	0.1	0.04	6.7	0.05	0.025	5	0.25	0.1
1673687	0.063	2	1.37	0.024	0.12	0.05	0.04	5.1	0.05	0.025	4	0.25	0.1
1673688	0.094	2	1.84	0.027	0.15	0.1	0.03	6.1	0.1	0.05	7	0.25	0.1
1673689	0.05	1	1.63	0.019	0.1	0.1	0.05	4.3	0.1	0.025	6	0.25	0.1
1673690	0.047	1	1.7	0.019	0.19	0.05	0.03	4.4	0.2	0.025	5	0.25	0.1
1673692	0.051	1	1.68	0.023	0.17	0.05	0.04	4.7	0.1	0.025	5	0.25	0.1
1673693	0.035	1	1.82	0.02	0.17	0.05	0.06	5.1	0.1	0.025	5	0.25	0.1
1673694	0.055	0.5	1.42	0.018	0.19	0.05	0.01	3.2	0.1	0.025	5	0.25	0.1
1673695	0.05	1	1.47	0.02	0.15	0.05	0.04	3.9	0.1	0.025	5	0.25	0.1
1673696	0.047	1	1.63	0.02	0.17	0.05	0.02	3.8	0.2	0.025	5	0.25	0.1
1673697	0.12	2	2.21	0.033	0.05	0.05	0.02	5.3	0.05	0.025	8	0.25	0.1
1673698	0.09	1	3.19	0.014	0.08	0.05	0.02	8.3	0.05	0.025	10	0.25	0.1
1673699	0.153	2	3.24	0.025	0.06	0.05	0.02	13.6	0.05	0.025	10	0.25	0.1
1673700	0.107	2	2.77	0.022	0.05	0.05	0.03	10.7	0.05	0.025	8	0.25	0.1
1673701	0.119	3	1.98	0.042	0.1	0.05	0.03	7.9	0.05	0.025	6	0.25	0.1
1673702	0.094	1	1.97	0.033	0.07	0.05	0.02	7	0.05	0.025	6	0.25	0.1
1673703	0.097	2	2.59	0.02	0.09	0.05	0.03	7.9	0.05	0.025	7	0.25	0.1
1673704	0.154	2	2.65	0.019	0.07	0.05	0.02	10.8	0.05	0.025	7	0.25	0.1
1673705	0.09	3	2.43	0.026	0.1	0.05	0.03	6.8	0.1	0.025	7	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1673706	WEL	Simon Cash	8/10/2018	07N	559460	6933936	-139.8445481	62.53160726	819	Auger
1673707	WEL	Simon Cash	8/10/2018	07N	559506	6933913	-139.8436624	62.53139347	799	Auger
1673708	WEL	Simon Cash	8/10/2018	07N	559530	6933867	-139.8432122	62.5309768	785	Auger
1673709	WEL	Simon Cash	8/10/2018	07N	559570	6933834	-139.8424466	62.53067423	758	Auger
1673710	WEL	Simon Cash	8/10/2018	07N	559603	6933798	-139.841818	62.53034585	742	Auger
1673711	WEL	Simon Cash	8/10/2018	07N	559640	6933764	-139.8411111	62.53003477	718	Auger
1673712	WEL	Simon Cash	8/10/2018	07N	559674	6933727	-139.8404635	62.52969726	726	Auger
1673713	WEL	Simon Cash	8/10/2018	07N	559712	6933694	-139.8397368	62.52939499	683	Auger
1673714	WEL	Simon Cash	8/10/2018	07N	559747	6933658	-139.8390694	62.52906627	663	Auger
1673715	WEL	Simon Cash	8/10/2018	07N	559779	6933621	-139.8384607	62.52872907	663	Auger
1577535	WEL	William Loiselle	8/10/2018	07N	558791	6934734	-139.8572709	62.53887542	781	Auger
1577536	WEL	William Loiselle	8/10/2018	07N	558811	6934707	-139.8568915	62.53862995	766	Auger
1577537	WEL	William Loiselle	8/10/2018	07N	558859	6934678	-139.8559688	62.53836207	749	Auger
1577538	WEL	William Loiselle	8/10/2018	07N	558883	6934628	-139.8555196	62.53790955	731	Auger
1577539	WEL	William Loiselle	8/10/2018	07N	558923	6934605	-139.8547503	62.53769678	711	Auger
1577540	WEL	William Loiselle	8/10/2018	07N	558959	6934573	-139.8540618	62.53740387	789	Auger
1577541	WEL	William Loiselle	8/10/2018	07N	558995	6934529	-139.8533774	62.53700328	816	Auger
1577542	WEL	William Loiselle	8/10/2018	07N	559030	6934500	-139.8527073	62.53673745	831	Auger
1577543	WEL	William Loiselle	8/10/2018	07N	559066	6934465	-139.8520199	62.53641762	834	Auger
1577544	WEL	William Loiselle	8/10/2018	07N	559101	6934429	-139.8513523	62.53608896	865	Auger
1577545	WEL	William Loiselle	8/10/2018	07N	559142	6934395	-139.8505674	62.5357773	896	Auger
1577546	WEL	William Loiselle	8/10/2018	07N	559172	6934356	-139.8499979	62.53542251	913	Auger
1577547	WEL	William Loiselle	8/10/2018	07N	559208	6934319	-139.8493113	62.53508472	926	Auger
1577548	WEL	William Loiselle	8/10/2018	07N	559242	6934287	-139.8486617	62.53479211	944	Auger
1577549	WEL	William Loiselle	8/10/2018	07N	559282	6934256	-139.8478953	62.53450751	951	Auger
1577550	WEL	William Loiselle	8/10/2018	07N	559282	6934256	-139.8478953	62.53450751	951	
1637351	WEL	William Loiselle	8/10/2018	07N	559317	6934217	-139.8472288	62.53415191	938	Auger
1637352	WEL	William Loiselle	8/10/2018	07N	559359	6934192	-139.8464214	62.53392083	946	Auger
1637353	WEL	William Loiselle	8/10/2018	07N	559382	6934145	-139.8459909	62.53349536	916	Auger
1637354	WEL	William Loiselle	8/10/2018	07N	559444	6934108	-139.8447991	62.53315337	926	Mattock
1637355	WEL	William Loiselle	8/10/2018	07N	559463	6934068	-139.8444439	62.53279136	927	Auger
1637356	WEL	William Loiselle	8/10/2018	07N	559498	6934040	-139.8437737	62.53253446	886	Auger
1637357	WEL	William Loiselle	8/10/2018	07N	559531	6934010	-139.843143	62.53225993	864	Mattock

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1673706	50	B	Subtle Slope	Dark Brown	White Spruce	Leaf Cover	Damp	Good	Sand
1673707	40	B	Subtle Slope	Chocolate Brow	Poplar	Leaf Cover	Damp	Good	Sand
1673708	40	B	Subtle Slope	Dark Brown	Poplar	Leaf Cover	Damp	Good	Sand
1673709	50	B	Subtle Slope	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Sand
1673710	60	B	Subtle Slope	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Sand
1673711	60	C	Subtle Slope	Chocolate Brow	Dwarf Birch	Grass Cover	Damp	Good	Sand
1673712	50	C	Subtle Slope	Grey	Dwarf Birch	Burnt Moss	Damp	Good	Sand
1673713	60	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Burnt Moss	Damp	Good	Sand
1673714	60	B	Subtle Slope	Grey	Dwarf Birch	Leaf Cover	Damp	Good	Sand
1673715	80	B	Subtle Slope	Dark Grey Black	Birch Forest	Grass Cover	Damp	Good	Clay
1577535	50	B	Pronounced Slo	Dark Brown	Old Burn	Thin Moss Cover	Damp	Good	Silt
1577536	70	B	Subtle Slope	Chocolate Brow	Old Burn	Grass Cover	Damp	Poor	Silt
1577537	40	B	Subtle Slope	Dark Brown	Alders	Thin Moss Cover	Damp	Good	Silt
1577538	40	B	Subtle Slope	Chocolate Brow	Birch Forest	Thin Moss Cover	Damp	Good	Silt
1577539	50	B	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Silt
1577540	100	C	Subtle Slope	Chocolate Brow	Mixed Coniferous	Grass Cover	Damp	Excellent	Silt
1577541	50	C	Subtle Slope	Chocolate Brow	Mixed Coniferous	Grass Cover	Damp	Good	Silt
1577542	50	B	Pronounced Slo	Dark Brown	Birch Forest	Thin Moss Cover	Damp	Good	Silt
1577543	40	B	Pronounced Slo	Light Brown	Birch Forest	Rock Cover	Damp	Good	Silt
1577544	70	B	Subtle Slope	Dark Brown	Birch Forest	Grass Cover	Damp	Good	Silt
1577545	50	B	Pronounced Slo	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Silt
1577546	50	B	Pronounced Slo	Dark Brown	Birch Forest	Grass Cover	Damp	Good	Silt
1577547	60	B	Flat	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Silt
1577548	40	B	Subtle Slope	Chocolate Brow	Dwarf Birch	Leaf Cover	Damp	Good	Silt
1577549	40	C	Subtle Slope	Light Brown	Dwarf Birch	Grass Cover	Damp	Good	Silt
1577550									
1637351	60	B	Subtle Slope	Chocolate Brow	Birch Forest	Thin Moss Cover	Damp	Good	Silt
1637352	50	C	Subtle Slope	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Sand
1637353	40	B	Subtle Slope	Chocolate Brow	Birch Forest	Grass Cover	Damp	Good	Silt
1637354	30	C	Subtle Slope	Reddish Brown	Birch Forest	Thin Moss Cover	Damp	Good	Silt
1637355	30	C	Subtle Slope	Chocolate Brow	Birch Forest	Thin Moss Cover	Damp	Good	Silt
1637356	50	C	Subtle Slope	Chocolate Brow	Poplar	Grass Cover	Damp	Good	Sand
1637357	40	B	Subtle Slope	Chocolate Brow	No Tree Cover	Rock Cover	Damp	Good	Silt

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1673706	Clay,Fine,Organic 10%,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold C	WHI18000759
1673707	Coarse,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold C	WHI18000759
1673708	Organic 10%,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold C	WHI18000759
1673709	Clay,Fine,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold C	WHI18000759
1673710	Coarse,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold C	WHI18000759
1673711	Coarse			'00056085		Soil	WEL-20180816-0	White Gold C	WHI18000759
1673712	Clay,Fine,Rocky Sample,Rocky Terrain			'00056085		Soil	WEL-20180816-0	White Gold C	WHI18000759
1673713	Clay			'00056085		Soil	WEL-20180816-0	White Gold C	WHI18000759
1673714	Clay,Fine			'00056085		Soil	WEL-20180816-0	White Gold C	WHI18000759
1673715	Fine,Partially Frozen,Possible Creek Contamination			'00056085		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577535	Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577536	Organic 10%			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577537	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577538	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577539	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577540	Bright Orange Rust,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577541	Bright Orange Rust,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577542	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577543	Clay,Organic 10%			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577544	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577545	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577546	Coarse,Organic 10%			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577547	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577548	Organic 10%			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577549	Bright Orange Rust,Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1577550				'00056877	1577549	Soil	WEL-20180816-0	White Gold C	WHI18000759
1637351	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1637352	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1637353	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1637354	Clay,Coarse,Rocky Sample,Rocky Terrain			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1637355	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1637356	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1637357	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1673706	9/13/2018	8/27/2018	1.1	43.2	7.5	72	0.1	32.2	24.4	809	3.79	8.4	0.6
1673707	9/13/2018	8/27/2018	1	44.7	7.6	70	0.1	34.3	15.3	600	3.37	7.7	0.6
1673708	9/13/2018	8/27/2018	1.2	31.3	7.1	76	0.05	30.9	25.3	779	4.02	8.1	0.6
1673709	9/13/2018	8/27/2018	1	49.6	7.6	53	0.1	39.7	15.7	442	3.54	8.8	1
1673710	9/13/2018	8/27/2018	0.7	66.7	5.8	66	0.05	53.1	27.1	676	3.96	7.3	0.5
1673711	9/13/2018	8/27/2018	0.6	50.9	6.8	52	0.05	31.4	16.1	529	2.79	6.7	0.5
1673712	9/13/2018	8/27/2018	0.6	51.8	6.2	53	0.05	30.7	14.4	513	2.88	7.9	0.6
1673713	9/13/2018	8/27/2018	0.5	50	6.8	50	0.05	31.2	13.8	368	2.9	7.6	0.6
1673714	9/13/2018	8/27/2018	0.5	47.8	6.7	48	0.2	30.9	16.8	315	3.07	8.8	1
1673715	9/13/2018	8/27/2018	0.7	37	4.9	58	0.05	24.5	12.1	349	2.3	5.5	0.7
1577535	9/13/2018	8/27/2018	0.5	53	5.3	34	0.05	20.6	12.9	460	1.75	4.9	0.8
1577536	9/13/2018	8/27/2018	0.4	42.9	4.9	40	0.05	19.9	11.7	502	1.76	4.3	0.7
1577537	9/13/2018	8/27/2018	0.6	34.8	62.1	79	0.2	21.6	13	493	2.18	6.1	0.6
1577538	9/13/2018	8/27/2018	0.8	29.1	13.4	61	0.05	25.7	13.6	493	2.78	10.2	1.2
1577539	9/13/2018	8/27/2018	0.7	21.7	15.1	53	0.05	24.7	12.2	298	2.63	11.7	1
1577540	9/13/2018	8/27/2018	0.8	24.6	20	57	0.1	24.3	10.7	322	2.75	17.2	1.5
1577541	9/13/2018	8/27/2018	0.7	21.8	19.4	55	0.05	22.4	10.8	347	2.69	14.9	1.5
1577542	9/13/2018	8/27/2018	0.8	22.2	20.8	54	0.05	23.5	12.3	443	2.79	17.6	1.6
1577543	9/13/2018	8/27/2018	1	11.3	12.5	26	0.05	9	4.7	117	1.58	8.4	0.4
1577544	9/13/2018	8/27/2018	0.6	24.3	19.8	50	0.1	22.4	11	378	2.42	25.9	1.6
1577545	9/13/2018	8/27/2018	0.5	11.6	11.9	23	0.05	8.3	3.6	87	1.08	4.1	0.7
1577546	9/13/2018	8/27/2018	0.7	36.1	11.6	52	0.1	36.3	16.5	670	2.48	8.9	1.6
1577547	9/13/2018	8/27/2018	0.8	50.9	6.1	55	0.1	52.8	18.7	710	3.36	10.3	0.9
1577548	9/13/2018	8/27/2018	0.7	20.4	4.9	20	0.05	11.9	5.8	145	1.3	2.6	0.4
1577549	9/13/2018	8/27/2018	1	47.1	6.7	52	0.05	30	15.4	338	2.93	9	0.5
1577550	9/13/2018	8/27/2018	0.9	48.4	6.8	48	0.05	27.6	16.6	537	2.69	7.5	0.5
1637351	9/13/2018	8/27/2018	0.9	57.7	8.5	74	0.05	28.6	15.7	485	3.19	8.1	0.5
1637352	9/13/2018	8/27/2018	1.8	31.6	10.3	69	0.2	38.9	17.8	509	4.1	13.8	0.8
1637353	9/13/2018	8/27/2018	1	21.8	7	55	0.05	24.8	17.8	602	2.78	5.6	0.3
1637354	9/13/2018	8/27/2018	1.4	27.4	7.4	84	0.05	27.2	20.4	534	3.16	6	0.4
1637355	9/13/2018	8/27/2018	1.4	29.2	7.2	72	0.05	33.5	22.9	528	3.78	6.3	0.5
1637356	9/13/2018	8/27/2018	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1637357	9/13/2018	8/27/2018	2	59.8	9.4	92	0.1	43.9	34.2	932	4.22	9.5	0.7

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1673706	1	1.4	36	0.5	0.6	0.1	88	0.87	0.078	9	57	0.76	180
1673707	1.8	2.3	51	0.2	0.6	0.2	78	1.08	0.046	14	54	0.81	226
1673708	1.3	1.8	25	0.3	0.5	0.2	95	0.49	0.058	8	54	0.72	138
1673709	11.8	3.1	36	0.05	0.6	0.1	83	0.61	0.046	18	58	0.81	152
1673710	4.7	2.1	34	0.1	0.4	0.1	88	0.87	0.056	11	71	1.22	133
1673711	3.5	2.2	40	0.1	0.4	0.1	69	0.86	0.042	13	42	0.71	158
1673712	3.7	2.4	41	0.1	0.5	0.1	74	0.87	0.07	13	39	0.85	161
1673713	3.4	2.6	44	0.05	0.4	0.1	73	0.92	0.057	14	43	0.8	163
1673714	5.9	2.3	44	0.1	0.7	0.1	74	1.08	0.061	12	46	0.84	135
1673715	1.8	1.9	50	0.2	0.4	0.1	63	0.9	0.07	10	31	0.56	132
1577535	2.6	1	69	0.2	0.4	0.05	46	2.31	0.042	8	30	0.52	137
1577536	1.4	1	76	0.1	0.5	0.05	49	2.59	0.064	8	31	0.55	115
1577537	2.9	1.5	57	0.3	0.6	0.05	64	1.76	0.052	9	40	0.65	123
1577538	2.7	3.8	51	0.2	0.5	0.2	66	1.19	0.077	17	40	0.68	176
1577539	3.4	5.5	40	0.05	0.5	0.2	66	0.8	0.063	18	40	0.66	136
1577540	5.5	5.5	50	0.05	0.5	0.2	63	1	0.06	21	37	0.61	202
1577541	5.3	6.5	49	0.1	0.4	0.2	61	0.89	0.065	22	34	0.58	178
1577542	4.4	6.6	43	0.05	0.4	0.2	65	0.77	0.065	23	35	0.58	202
1577543	1.7	2.1	22	0.05	0.3	0.2	53	0.3	0.02	10	18	0.25	98
1577544	7.1	4.3	54	0.05	0.5	0.2	58	1.06	0.069	24	32	0.51	198
1577545	2.5	1.4	17	0.05	0.2	0.1	31	0.25	0.044	10	16	0.21	75
1577546	3.7	1.3	58	0.2	0.8	0.2	65	1.3	0.095	21	48	0.65	242
1577547	3.5	1	80	0.2	0.9	0.1	83	1.71	0.09	16	67	0.9	157
1577548	1.7	0.6	24	0.1	0.3	0.1	43	0.26	0.031	7	20	0.15	83
1577549	2.1	1.9	31	0.1	0.5	0.1	82	0.52	0.036	10	45	0.63	168
1577550	2.7	1.7	32	0.2	0.5	0.1	77	0.53	0.034	10	40	0.57	175
1637351	2.6	2.6	55	0.2	0.7	0.1	101	0.98	0.056	13	49	0.84	191
1637352	4.2	3.4	34	0.3	0.9	0.2	101	0.47	0.085	13	61	0.7	220
1637353	1.1	1.5	27	0.1	0.5	0.1	77	0.42	0.026	6	41	0.52	185
1637354	1.6	1.6	29	0.4	0.6	0.1	88	0.49	0.034	8	44	0.52	220
1637355	1.8	2.4	29	0.1	0.4	0.05	105	0.44	0.037	9	75	1.09	177
1637356	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1637357	1.4	1.7	35	0.2	1	0.2	110	0.68	0.078	11	73	0.86	153

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1673706	0.109	2	2.57	0.025	0.12	0.05	0.03	7.2	0.05	0.025	7	0.25	0.1
1673707	0.12	4	2.2	0.033	0.11	0.1	0.02	9.5	0.05	0.025	6	0.25	0.1
1673708	0.109	2	2.57	0.022	0.07	0.05	0.03	7.5	0.05	0.025	8	0.25	0.1
1673709	0.123	2	2.23	0.028	0.09	0.05	0.03	10.4	0.05	0.025	6	0.25	0.1
1673710	0.13	3	2.09	0.026	0.06	0.05	0.03	8.6	0.05	0.025	6	0.25	0.1
1673711	0.107	2	1.75	0.039	0.05	0.05	0.03	6	0.05	0.025	5	0.25	0.1
1673712	0.096	3	1.66	0.048	0.06	0.1	0.03	5.7	0.05	0.025	5	0.25	0.1
1673713	0.106	1	1.68	0.043	0.05	0.1	0.03	6.3	0.05	0.025	6	0.25	0.1
1673714	0.105	2	1.79	0.033	0.05	0.05	0.03	7	0.05	0.025	5	0.5	0.1
1673715	0.088	3	1.33	0.044	0.06	0.05	0.02	4.7	0.05	0.025	4	0.25	0.1
1577535	0.085	4	1.21	0.032	0.04	0.05	0.04	4.3	0.05	0.1	3	0.8	0.1
1577536	0.094	4	1.29	0.038	0.05	0.05	0.04	4.4	0.05	0.16	4	0.6	0.1
1577537	0.112	3	1.47	0.043	0.05	0.05	0.04	5.2	0.05	0.08	4	0.7	0.1
1577538	0.083	2	1.88	0.032	0.17	0.1	0.05	5.5	0.1	0.07	6	0.25	0.1
1577539	0.094	1	1.85	0.029	0.18	0.05	0.04	5.1	0.1	0.025	6	0.25	0.1
1577540	0.072	2	2.22	0.026	0.23	0.1	0.05	5.7	0.2	0.06	7	0.25	0.1
1577541	0.077	2	2.02	0.028	0.22	0.1	0.04	5.6	0.2	0.06	6	0.25	0.1
1577542	0.079	2	2.21	0.028	0.21	0.05	0.04	5.8	0.2	0.025	6	0.25	0.1
1577543	0.064	0.5	1.13	0.025	0.1	0.05	0.02	2.5	0.1	0.025	5	0.25	0.1
1577544	0.059	2	2.04	0.03	0.18	0.05	0.04	5.3	0.2	0.07	6	0.25	0.1
1577545	0.041	1	0.94	0.026	0.09	0.05	0.04	2.2	0.1	0.07	4	0.25	0.1
1577546	0.049	3	2.05	0.024	0.1	0.05	0.07	5.6	0.1	0.11	6	0.7	0.1
1577547	0.067	2	2.21	0.025	0.08	0.05	0.06	7.9	0.05	0.07	7	0.6	0.1
1577548	0.054	1	0.99	0.029	0.04	0.05	0.03	2.5	0.05	0.06	4	0.25	0.1
1577549	0.138	2	2.16	0.027	0.06	0.05	0.03	4.8	0.05	0.025	7	0.25	0.1
1577550	0.124	2	2	0.037	0.05	0.05	0.02	4.5	0.05	0.025	6	0.25	0.1
1637351	0.18	3	2.35	0.058	0.07	0.2	0.02	7.7	0.05	0.07	7	0.25	0.1
1637352	0.109	2	3.01	0.021	0.07	0.05	0.03	6.7	0.2	0.025	8	0.25	0.1
1637353	0.114	0.5	1.99	0.029	0.04	0.05	0.01	3.8	0.05	0.025	6	0.25	0.1
1637354	0.125	1	2.12	0.029	0.05	0.05	0.02	4.4	0.05	0.025	7	0.25	0.1
1637355	0.174	1	2.75	0.02	0.05	0.05	0.02	7.3	0.1	0.025	8	0.25	0.1
1637356	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1637357	0.16	2	3.19	0.036	0.08	0.1	0.03	8.5	0.1	0.05	9	0.25	0.1

sample_id	project_id	technician_id	sample_date	utm_zone	utm_easting	utm_northing	longitude_wgs84	latitude_wgs84	elevation_m	sample_method
1637358	WEL	William Loiselle	8/10/2018	07N	559569	6933971	-139.8424183	62.53190383	861	Auger
1637359	WEL	William Loiselle	8/10/2018	07N	559599	6933937	-139.8418473	62.53159389	824	Auger
1637360	WEL	William Loiselle	8/10/2018	07N	559634	6933908	-139.8411774	62.531328	776	Auger
1637361	WEL	William Loiselle	8/10/2018	07N	559674	6933870	-139.8404136	62.53098054	782	Auger
1637362	WEL	William Loiselle	8/10/2018	07N	559709	6933831	-139.8397472	62.53062491	724	Auger
1637363	WEL	William Loiselle	8/10/2018	07N	559745	6933799	-139.8390591	62.53033194	711	Auger
1637364	WEL	William Loiselle	8/10/2018	07N	559780	6933765	-139.838391	62.53002117	709	Auger
1637365	WEL	William Loiselle	8/10/2018	07N	559813	6933730	-139.8377622	62.52970175	670	Auger
1637366	WEL	William Loiselle	8/10/2018	07N	559849	6933696	-139.8370747	62.52939082	665	Auger

sample_id	sample_depth_cm	sampled_horizon	site_slope	soil_colour	site_vegetation	site_ground_cover	sample_moisture	sample_quality	sample_texture
1637358	50	B	Subtle Slope	Chocolate Brow	Poplar	Grass Cover	Damp	Good	Silt
1637359	50	B	Subtle Slope	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Silt
1637360	50	B	Subtle Slope	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Silt
1637361	50	B	Subtle Slope	Chocolate Brow	Old Burn	Grass Cover	Damp	Good	Silt
1637362	40	C	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Damp	Good	Silt
1637363	40	C	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Damp	Good	Silt
1637364	50	C	Subtle Slope	Chocolate Brow	Old Burn	Thin Moss Cover	Damp	Good	Silt
1637365	50	B	Subtle Slope	Chocolate Brow	Old Burn	Leaf Cover	Wet	Good	Silt
1637366	50	C	Flat	Chocolate Brow	Mixed Coniferous	Thin Moss Cover	Wet	Good	Silt

sample_id	sample_notes	additional_remarks	no_sample_reason	shipment_bag_id	duplicate_of_id	type	shipment_id	client	job_number
1637358	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1637359	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1637360	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1637361	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1637362	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1637363	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1637364	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1637365	Clay,Coarse			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759
1637366	Coarse,Dull Red Rust,Possible Creek Contamination			'00056877		Soil	WEL-20180816-0	White Gold C	WHI18000759

sample_id	file_created	received	mo_ppm	cu_ppm	pb_ppm	zn_ppm	ag_ppm	ni_ppm	co_ppm	mn_ppm	fe_pct	as_ppm	u_ppm
1637358	9/13/2018	8/27/2018	1.2	43.4	10.2	69	0.2	39.9	19.1	623	3.44	7.5	0.6
1637359	9/13/2018	8/27/2018	1	32.8	11.9	52	0.1	33	19.6	542	3.67	6.3	0.4
1637360	9/13/2018	8/27/2018	1.5	58.9	8.9	63	0.05	45.1	19.4	496	3.89	9.7	0.8
1637361	9/13/2018	8/27/2018	0.9	31.5	6.7	51	0.1	26	15.6	754	3.02	4	0.5
1637362	9/13/2018	8/27/2018	1	40	7.3	53	0.05	30.8	15.2	450	3.42	5.7	0.6
1637363	9/13/2018	8/27/2018	0.9	37.1	8	57	0.05	30.4	17.8	626	3.67	6.8	0.7
1637364	9/13/2018	8/27/2018	0.8	46.5	7	55	0.05	32.4	17.6	694	3.28	6.1	0.5
1637365	9/13/2018	8/27/2018	0.8	39.1	6.3	54	0.05	27.1	14.5	482	3.2	5.6	0.6
1637366	9/13/2018	8/27/2018	0.8	45	7	59	0.05	34.1	17.9	556	3.63	7.2	0.5

sample_id	au_ppb	th_ppm	sr_ppm	cd_ppm	sb_ppm	bi_ppm	v_ppm	ca_pct	p_pct	la_ppm	cr_ppm	mg_pct	ba_ppm
1637358	1	2.5	56	0.2	0.5	0.05	105	1.14	0.06	13	71	0.83	214
1637359	0.6	2.6	47	0.05	0.4	0.05	98	1.08	0.038	10	63	0.76	189
1637360	3.6	3.6	45	0.05	0.7	0.1	116	0.91	0.043	23	66	0.91	161
1637361	0.9	1.6	41	0.1	0.4	0.1	77	0.89	0.043	12	40	0.63	180
1637362	2.5	2.5	41	0.1	0.6	0.1	89	0.92	0.031	16	50	0.76	155
1637363	1.2	2.5	42	0.05	0.5	0.1	98	0.9	0.03	14	51	0.74	172
1637364	5.7	2.6	44	0.2	0.5	0.1	90	0.89	0.04	14	48	0.74	172
1637365	1.4	1.8	47	0.2	0.5	0.1	89	1.11	0.035	10	45	0.68	170
1637366	4.7	2.9	41	0.1	0.5	0.05	94	0.99	0.048	14	55	0.84	154

sample_id	ti_pct	b_ppm	al_pct	na_pct	k_pct	w_ppm	hg_ppm	sc_ppm	tl_ppm	s_pct	ga_ppm	se_ppm	te_ppm
1637358	0.186	5	2.5	0.039	0.1	0.1	0.02	8.5	0.05	0.06	7	0.25	0.1
1637359	0.189	4	2.52	0.038	0.11	0.2	0.03	9.3	0.05	0.025	7	0.25	0.1
1637360	0.201	3	2.53	0.047	0.08	0.2	0.05	12	0.05	0.025	7	0.25	0.1
1637361	0.131	4	2.1	0.043	0.08	0.05	0.03	7.2	0.05	0.025	6	0.25	0.1
1637362	0.156	3	2.27	0.046	0.06	0.05	0.03	8.3	0.05	0.025	7	0.25	0.1
1637363	0.17	2	2.55	0.046	0.06	0.05	0.03	8.8	0.05	0.025	7	0.25	0.1
1637364	0.155	2	2.28	0.056	0.06	0.05	0.03	7.8	0.05	0.025	7	0.25	0.1
1637365	0.15	2	2.11	0.045	0.05	0.1	0.02	6.7	0.05	0.025	7	0.25	0.1
1637366	0.17	3	2.31	0.044	0.07	0.1	0.03	9.1	0.05	0.025	7	0.25	0.1

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Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Submitted By: Greg Dawson
Receiving Lab: Canada-Whitehorse
Received: August 09, 2018
Report Date: August 23, 2018
Page: 1 of 7

CERTIFICATE OF ANALYSIS WHI18000606.1

CLIENT JOB INFORMATION

Project: THR
Shipment ID: THR-20180801-001-SOIL
P.O. Number
Number of Samples: 160

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	160	Dry at 60C			WHI
SS80	160	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201-U	159	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	160	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

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

CC: Jodie Gibson
Ben McGrath
Wes Hodson
Isaac Fage

KERRY JAY
Geochem Project Specialist

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

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Client: **White Gold Corp.**
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Dawson Yukon Y0B 1G0 Canada

Project: THR
Report Date: August 23, 2018

CERTIFICATE OF ANALYSIS WHI18000606.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1678041	Soil	1.7	37.4	9.7	63	0.1	25.4	9.7	558	3.32	10.9	0.4	2.5	1.4	13	<0.1	0.7	0.2	71	0.13	0.042
1678039	Soil	1.4	28.2	10.4	56	0.5	30.8	12.7	260	3.54	10.8	0.4	2.5	2.2	14	<0.1	0.7	0.2	79	0.14	0.021
1678044	Soil	1.8	47.1	8.7	49	0.2	36.3	10.8	4980	2.08	8.1	0.6	1.9	0.4	16	0.2	0.4	0.2	52	0.17	0.053
1677815	Soil	0.6	14.7	19.7	50	<0.1	14.5	7.9	249	2.51	4.3	1.0	1.0	6.4	25	<0.1	0.3	0.3	49	0.39	0.068
1676783	Soil	1.2	64.7	11.5	57	0.2	38.8	16.4	996	3.54	9.4	0.8	3.2	3.6	31	0.1	0.6	0.2	75	0.48	0.037
1678033	Soil	1.2	54.9	10.9	54	0.1	35.3	15.0	651	3.36	9.4	0.7	2.9	3.5	37	0.1	0.6	0.2	75	0.54	0.037
1678038	Soil	1.5	28.6	9.7	61	0.3	27.8	14.6	943	3.49	10.4	0.5	3.4	2.0	19	0.1	0.6	0.2	91	0.20	0.022
1678043	Soil	1.3	29.5	9.4	54	0.3	32.1	15.1	1905	3.35	8.7	0.5	0.9	2.1	27	0.1	0.6	0.2	72	0.38	0.041
1676784	Soil	1.0	80.3	16.6	78	0.2	39.0	15.3	1058	3.26	13.1	0.7	17.1	4.6	36	0.1	0.8	0.3	55	0.57	0.054
1678034	Soil	2.1	21.0	9.8	44	<0.1	14.9	9.6	1257	2.59	10.1	0.5	1.7	1.5	15	<0.1	0.5	0.2	71	0.16	0.065
1678040	Soil	1.9	23.5	10.4	59	0.7	20.6	10.1	321	3.05	8.8	0.4	6.5	1.3	14	<0.1	0.7	0.2	77	0.12	0.030
1678036	Soil	1.6	32.2	11.5	47	0.5	20.7	7.7	279	2.65	8.6	0.5	2.6	1.9	21	<0.1	0.5	0.2	67	0.23	0.032
1676785	Soil	1.0	49.9	10.7	61	0.4	41.1	14.9	1175	3.32	11.1	0.6	10.0	3.4	32	0.1	0.7	0.2	68	0.49	0.035
1678042	Soil	1.2	44.5	7.8	65	0.1	26.9	13.5	3994	2.46	6.5	0.4	2.6	1.3	37	0.3	0.4	0.2	58	0.53	0.098
1678035	Soil	0.7	48.9	10.2	63	0.2	46.1	16.9	1312	3.45	6.9	0.5	4.7	3.0	29	0.2	0.5	0.2	70	0.53	0.036
1678037	Soil	1.7	33.6	9.9	68	0.6	23.8	7.9	589	3.08	7.5	0.4	5.8	1.9	15	0.1	1.0	0.2	71	0.13	0.027
1678766	Soil	1.9	34.0	11.5	82	0.7	26.3	14.0	554	3.79	11.3	0.6	5.1	1.9	22	0.1	0.8	0.2	94	0.24	0.031
1678765	Soil	1.7	26.4	10.6	52	0.7	25.0	10.8	241	3.52	11.8	0.4	3.1	1.9	18	<0.1	0.9	0.2	89	0.17	0.021
1676812	Soil	0.7	16.6	28.7	57	<0.1	13.2	10.6	421	3.14	6.2	0.6	1.5	9.7	29	<0.1	0.3	0.2	36	0.44	0.065
1676786	Soil	1.5	51.0	10.6	69	0.4	33.5	10.5	650	2.76	8.8	0.5	5.6	3.1	24	<0.1	1.1	0.2	59	0.22	0.028
1678768	Soil	1.6	61.7	8.7	69	0.6	46.0	13.1	1713	2.35	9.3	1.3	7.6	1.2	83	0.4	2.1	0.1	53	1.25	0.076
1678764	Soil	1.2	21.1	8.2	37	0.5	14.5	4.6	124	2.03	5.3	0.2	1.9	1.2	19	<0.1	0.7	0.1	60	0.17	0.026
1676789	Soil	1.1	34.3	9.3	70	0.5	33.8	13.2	590	3.30	8.4	0.5	5.6	2.5	21	<0.1	0.7	0.1	82	0.21	0.015
1676787	Soil	1.2	29.3	8.5	54	0.3	25.7	11.1	589	2.62	6.3	0.4	2.7	1.9	21	<0.1	0.7	0.2	68	0.23	0.019
1678771	Soil	0.9	18.2	15.9	54	<0.1	19.1	12.1	295	3.50	7.6	0.5	3.1	3.9	23	0.1	0.3	0.2	70	0.33	0.053
1678767	Soil	1.5	43.9	10.5	54	0.2	26.0	11.6	272	3.09	11.0	0.6	4.8	2.8	20	<0.1	1.4	0.2	75	0.24	0.038
1676788	Soil	1.6	44.8	9.7	75	0.3	30.7	10.6	447	3.14	9.1	0.4	3.9	2.2	23	<0.1	1.0	0.2	73	0.23	0.025
1676811	Soil	1.2	18.4	9.4	43	<0.1	14.5	9.1	298	2.68	5.9	0.4	0.8	1.2	24	0.2	0.4	0.2	72	0.31	0.054
1678770	Soil	1.5	24.0	29.0	87	0.2	19.2	12.5	464	3.34	17.9	1.5	3.8	8.3	63	0.2	0.4	0.2	57	0.62	0.054
1678769	Soil	0.5	28.6	48.4	70	0.4	19.0	9.4	227	2.29	6.3	2.8	2.7	10.5	39	0.3	0.8	0.4	42	0.36	0.093

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Project: THR
Report Date: August 23, 2018

CERTIFICATE OF ANALYSIS WHI18000606.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1678041	Soil	7	31	0.35	355	0.053	1	1.32	0.008	0.06	0.1	0.03	2.3	<0.1	<0.05	6	<0.5	<0.2
1678039	Soil	7	38	0.52	301	0.073	1	1.99	0.012	0.04	<0.1	0.03	3.4	<0.1	<0.05	7	<0.5	<0.2
1678044	Soil	11	20	0.17	205	0.034	1	1.05	0.013	0.04	0.1	0.04	2.0	<0.1	<0.05	5	<0.5	<0.2
1677815	Soil	29	25	0.61	184	0.072	1	1.57	0.016	0.09	<0.1	0.02	3.2	0.1	<0.05	5	<0.5	<0.2
1676783	Soil	32	45	0.69	1047	0.078	2	1.95	0.019	0.08	0.1	0.03	6.9	<0.1	<0.05	6	<0.5	<0.2
1678033	Soil	23	46	0.67	1020	0.082	2	1.97	0.018	0.08	0.1	0.04	6.7	<0.1	<0.05	6	<0.5	<0.2
1678038	Soil	7	41	0.55	498	0.063	1	2.16	0.012	0.04	<0.1	0.02	3.6	<0.1	<0.05	7	<0.5	<0.2
1678043	Soil	9	39	0.61	1012	0.065	2	1.82	0.018	0.08	0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
1676784	Soil	20	29	0.73	1172	0.056	1	1.53	0.020	0.08	<0.1	0.07	4.9	<0.1	<0.05	4	<0.5	<0.2
1678034	Soil	8	26	0.30	357	0.059	1	1.25	0.013	0.05	0.1	0.03	2.7	<0.1	<0.05	7	<0.5	<0.2
1678040	Soil	7	28	0.28	312	0.046	1	1.38	0.010	0.04	<0.1	0.03	2.4	<0.1	<0.05	7	<0.5	<0.2
1678036	Soil	8	29	0.38	1088	0.038	1	1.45	0.015	0.05	<0.1	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
1676785	Soil	10	46	0.67	1051	0.062	2	1.80	0.016	0.06	<0.1	0.05	6.6	<0.1	<0.05	5	<0.5	<0.2
1678042	Soil	6	29	0.39	1438	0.045	2	1.39	0.018	0.09	<0.1	0.04	2.9	<0.1	<0.05	5	<0.5	<0.2
1678035	Soil	19	51	0.84	1506	0.054	1	2.14	0.019	0.06	<0.1	0.05	7.9	<0.1	<0.05	6	<0.5	<0.2
1678037	Soil	9	24	0.28	379	0.045	<1	1.02	0.011	0.04	<0.1	0.02	2.1	<0.1	<0.05	6	<0.5	<0.2
1678766	Soil	9	45	0.48	925	0.059	1	2.21	0.015	0.04	<0.1	0.04	4.2	0.1	<0.05	8	<0.5	<0.2
1678765	Soil	8	40	0.52	598	0.082	1	1.96	0.012	0.06	0.1	0.02	3.5	<0.1	<0.05	7	<0.5	<0.2
1676812	Soil	32	17	0.60	185	0.024	<1	1.56	0.008	0.12	<0.1	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
1676786	Soil	13	28	0.38	1366	0.046	1	1.22	0.011	0.05	0.1	0.03	3.3	<0.1	<0.05	4	0.7	<0.2
1678768	Soil	15	30	0.49	1866	0.033	4	1.33	0.013	0.08	<0.1	0.33	5.9	0.3	0.10	3	1.7	<0.2
1678764	Soil	7	19	0.20	416	0.062	<1	0.70	0.010	0.06	<0.1	0.04	1.7	0.1	<0.05	5	<0.5	<0.2
1676789	Soil	8	45	0.58	830	0.068	<1	1.88	0.014	0.03	<0.1	0.02	4.0	<0.1	<0.05	6	<0.5	<0.2
1676787	Soil	8	28	0.40	989	0.040	<1	1.27	0.012	0.06	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
1678771	Soil	13	32	0.69	208	0.069	1	2.09	0.016	0.07	0.2	0.02	3.6	0.1	<0.05	7	<0.5	<0.2
1678767	Soil	11	37	0.48	866	0.059	1	1.84	0.011	0.07	0.1	0.04	3.5	<0.1	<0.05	6	0.8	<0.2
1676788	Soil	10	29	0.38	809	0.045	<1	1.30	0.010	0.04	<0.1	0.02	2.9	<0.1	<0.05	5	0.6	<0.2
1676811	Soil	6	23	0.42	198	0.071	<1	1.38	0.018	0.05	0.2	0.01	2.7	<0.1	<0.05	7	<0.5	<0.2
1678770	Soil	103	32	0.76	1211	0.025	<1	2.31	0.013	0.08	0.1	0.05	5.0	0.2	0.06	7	0.6	<0.2
1678769	Soil	49	30	0.84	1016	0.036	<1	1.79	0.011	0.04	0.1	0.15	4.2	0.2	<0.05	5	1.0	<0.2

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1678763	Soil	3.7	39.9	12.8	92	0.4	36.8	12.4	1561	2.55	13.3	0.7	3.4	2.2	21	0.1	0.4	0.2	61	0.23	0.046
1676790	Soil	1.7	27.3	10.1	66	0.3	30.3	13.5	712	3.70	13.1	0.5	1.8	2.4	21	0.1	0.9	0.3	93	0.22	0.021
1677804	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1677800	Soil	1.0	18.0	8.4	51	0.5	23.3	18.7	1197	2.71	5.6	0.3	2.0	1.2	27	0.1	0.6	0.2	66	0.27	0.027
1677807	Soil	1.0	27.8	9.8	39	0.1	13.6	7.5	238	2.08	4.2	0.6	1.5	1.4	31	0.3	0.3	0.2	54	0.46	0.041
1678772	Soil	0.7	18.2	13.5	45	<0.1	16.9	9.5	258	2.80	6.7	0.5	1.5	3.3	34	<0.1	0.3	0.2	68	0.48	0.036
1677809	Soil	1.3	24.0	10.3	46	0.2	18.2	10.0	343	2.82	9.2	0.5	1.5	2.0	28	0.1	0.4	0.2	63	0.39	0.043
1677797	Soil	1.3	52.5	9.9	48	1.1	25.9	7.5	173	2.64	6.5	1.0	5.3	1.6	32	0.3	1.8	0.2	66	0.32	0.031
1677796	Soil	2.6	26.8	14.4	104	0.2	34.2	33.7	2810	3.24	23.9	0.5	5.9	2.2	30	0.1	1.1	0.2	72	0.33	0.054
1675056	Soil	0.6	30.7	11.4	56	0.1	14.2	11.3	355	2.56	3.6	1.3	2.1	4.5	62	0.2	0.3	0.1	46	1.03	0.097
1675046	Soil	13.4	38.2	19.9	73	0.9	25.9	7.8	258	3.04	21.6	0.8	6.2	3.4	114	0.3	4.3	0.2	72	0.21	0.062
1675048	Soil	1.2	25.5	12.5	65	0.2	27.8	11.6	566	2.66	5.9	0.3	3.2	2.2	42	0.2	0.7	0.2	62	0.43	0.030
1677793	Soil	1.3	22.3	8.3	75	0.2	21.9	14.9	1862	2.48	4.7	0.3	0.5	1.1	44	0.3	0.6	0.2	66	0.61	0.036
1675054	Soil	0.6	33.9	10.9	64	<0.1	24.4	10.3	368	2.76	5.6	0.9	4.2	3.8	49	0.1	0.4	0.1	67	0.95	0.087
1677798	Soil	1.0	13.9	5.9	37	0.7	14.5	6.0	195	1.97	4.0	0.2	1.0	1.0	28	0.2	0.7	0.1	58	0.27	0.022
1675045	Soil	1.7	38.1	10.6	79	0.8	31.2	16.8	3157	3.10	11.5	0.7	12.3	2.1	30	0.2	2.7	0.2	56	0.29	0.049
1677799	Soil	1.0	19.2	8.5	56	0.4	24.7	13.9	545	3.07	6.4	0.4	0.7	1.8	26	<0.1	0.6	0.2	82	0.26	0.020
1675055	Soil	0.6	26.7	4.5	34	<0.1	9.6	6.4	541	1.19	1.8	1.1	1.3	1.1	122	0.2	0.3	<0.1	22	2.49	0.085
1677811	Soil	1.7	14.4	9.5	54	0.1	13.1	7.1	396	2.43	6.8	0.3	<0.5	1.4	25	0.2	0.4	0.2	72	0.33	0.041
1677812	Soil	1.0	29.7	10.5	45	0.1	15.5	8.3	1089	1.62	4.4	1.0	1.6	0.4	84	0.5	0.3	0.1	37	1.43	0.111
1675051	Soil	1.5	35.4	13.7	80	0.3	35.7	16.9	1881	3.64	11.7	0.4	1.5	2.2	39	0.2	1.0	0.2	84	0.44	0.061
1675053	Soil	0.6	22.0	7.5	41	0.1	16.3	4.7	140	1.48	3.4	0.5	1.8	0.8	28	0.1	0.5	<0.1	31	0.35	0.058
1677794	Soil	2.0	30.1	10.3	99	0.2	25.8	13.7	4672	2.67	6.5	0.3	0.5	1.5	45	0.4	0.6	0.2	68	0.68	0.060
1677814	Soil	1.2	26.3	13.5	48	0.3	18.1	8.8	321	2.42	5.0	1.3	<0.5	1.7	33	0.1	0.3	0.2	57	0.45	0.079
1675047	Soil	1.2	29.1	9.9	53	0.2	25.6	10.2	792	2.65	6.4	0.4	3.6	2.2	36	0.2	0.7	0.1	72	0.35	0.029
1675052	Soil	1.2	55.3	16.8	81	0.5	34.5	12.0	372	3.25	9.9	0.7	12.4	2.5	28	<0.1	1.8	0.2	64	0.27	0.058
1677810	Soil	1.5	44.6	13.5	68	0.4	24.9	16.0	1727	3.07	5.8	1.5	2.7	5.0	60	0.8	0.4	0.2	70	0.85	0.092
1677806	Soil	0.8	25.4	12.2	62	0.1	14.3	11.9	604	3.07	4.5	0.7	<0.5	3.3	45	0.2	0.3	0.2	72	0.74	0.065
1677791	Soil	0.8	33.9	10.6	75	0.4	27.2	7.7	194	2.12	4.8	0.6	5.2	1.5	36	0.1	0.5	0.2	46	0.37	0.067
1675049	Soil	1.1	58.3	14.9	89	0.6	40.3	10.3	351	3.11	8.4	0.8	9.7	2.1	44	0.1	1.4	0.2	59	0.34	0.057

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Project: THR
Report Date: August 23, 2018

CERTIFICATE OF ANALYSIS WHI18000606.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1678763	Soil		11	36	0.56	353	0.045	1	1.63	0.013	0.06	0.1	0.06	3.7	0.1	<0.05	5	<0.5	<0.2
1676790	Soil		8	49	0.62	816	0.081	<1	2.44	0.012	0.05	<0.1	0.02	4.0	0.2	<0.05	7	<0.5	<0.2
1677804	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1677800	Soil		5	31	0.46	708	0.055	<1	1.54	0.018	0.04	<0.1	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
1677807	Soil		25	21	0.38	256	0.058	1	1.23	0.016	0.07	0.2	0.04	2.8	0.2	<0.05	6	<0.5	<0.2
1678772	Soil		17	29	0.61	187	0.099	<1	1.89	0.016	0.05	0.1	0.01	3.6	0.1	<0.05	7	<0.5	<0.2
1677809	Soil		14	27	0.45	256	0.077	2	1.93	0.022	0.07	<0.1	0.01	3.5	0.2	<0.05	7	<0.5	<0.2
1677797	Soil		12	31	0.36	1495	0.062	2	1.44	0.018	0.07	<0.1	0.16	4.2	0.2	0.05	6	0.6	<0.2
1677796	Soil		10	33	0.61	395	0.090	2	1.51	0.030	0.06	<0.1	0.03	3.5	0.1	<0.05	5	<0.5	<0.2
1675056	Soil		32	21	0.71	623	0.086	2	1.79	0.023	0.06	0.2	0.05	4.7	0.2	<0.05	5	0.6	<0.2
1675046	Soil		15	26	0.27	820	0.037	5	1.08	0.018	0.25	<0.1	0.14	3.2	1.2	0.35	4	2.5	<0.2
1675048	Soil		9	33	0.47	742	0.074	2	1.47	0.023	0.09	<0.1	0.03	3.1	0.1	<0.05	5	<0.5	<0.2
1677793	Soil		7	27	0.34	803	0.073	1	1.20	0.025	0.08	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
1675054	Soil		20	35	0.73	313	0.120	3	1.65	0.044	0.08	0.2	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
1677798	Soil		5	21	0.26	499	0.065	1	0.85	0.020	0.08	<0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2
1675045	Soil		11	32	0.43	433	0.073	2	1.50	0.017	0.07	<0.1	0.28	3.6	0.7	<0.05	5	1.1	<0.2
1677799	Soil		8	40	0.56	639	0.096	1	1.90	0.023	0.06	<0.1	0.04	3.8	0.2	<0.05	7	<0.5	<0.2
1675055	Soil		15	11	0.34	510	0.046	4	0.76	0.015	0.05	0.1	0.09	2.0	0.1	0.13	2	<0.5	<0.2
1677811	Soil		7	25	0.36	151	0.081	<1	1.41	0.016	0.06	<0.1	0.02	2.8	0.1	<0.05	7	<0.5	<0.2
1677812	Soil		26	20	0.30	238	0.036	3	1.31	0.017	0.05	0.1	0.09	2.5	0.1	0.10	4	0.6	<0.2
1675051	Soil		10	71	0.73	766	0.073	2	2.02	0.018	0.13	<0.1	0.04	5.1	0.1	<0.05	7	<0.5	<0.2
1675053	Soil		9	25	0.30	368	0.060	2	0.95	0.018	0.05	0.1	0.08	2.8	<0.1	<0.05	4	<0.5	<0.2
1677794	Soil		7	27	0.37	947	0.076	2	1.19	0.033	0.13	<0.1	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
1677814	Soil		18	29	0.54	222	0.077	1	1.85	0.025	0.11	0.1	0.05	3.9	0.1	<0.05	7	<0.5	<0.2
1675047	Soil		10	30	0.46	682	0.081	2	1.38	0.020	0.10	<0.1	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
1675052	Soil		13	30	0.41	628	0.066	1	1.35	0.015	0.08	<0.1	0.17	3.9	0.1	<0.05	5	1.3	<0.2
1677810	Soil		124	32	0.47	357	0.079	2	2.16	0.032	0.09	<0.1	0.03	6.5	0.2	<0.05	8	0.7	<0.2
1677806	Soil		21	23	0.77	246	0.144	<1	2.17	0.022	0.10	0.2	0.01	4.6	0.2	<0.05	8	<0.5	<0.2
1677791	Soil		12	29	0.44	888	0.061	2	1.20	0.018	0.06	0.1	0.16	3.4	<0.1	<0.05	5	0.7	<0.2
1675049	Soil		16	34	0.48	867	0.044	3	1.51	0.014	0.13	<0.1	0.26	5.2	0.2	<0.05	5	0.9	<0.2

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Project: THR
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1677792	Soil	1.6	28.9	10.3	77	0.4	24.7	12.4	1679	2.80	6.0	0.3	1.6	1.6	39	0.2	0.7	0.2	73	0.41	0.039
1677786	Soil	0.5	86.9	6.8	47	0.2	30.7	9.7	740	1.85	3.7	0.6	2.5	0.7	59	0.4	0.4	0.1	35	2.17	0.089
1677805	Soil	1.2	22.7	8.5	39	0.1	12.8	7.0	351	1.87	2.7	0.5	2.6	1.4	26	0.3	0.3	0.1	48	0.35	0.034
1675050	Soil	1.0	65.9	15.4	93	0.7	44.1	11.2	274	3.01	7.9	1.0	11.8	2.2	42	0.1	1.5	0.2	60	0.33	0.057
1678056	Soil	1.1	29.6	10.9	64	0.2	33.9	16.4	439	3.91	9.7	0.6	0.6	3.5	27	0.1	0.6	0.2	92	0.32	0.034
1677795	Soil	2.3	33.8	17.0	59	0.5	20.5	12.5	715	2.05	8.5	0.6	3.1	0.5	22	0.1	0.4	0.2	52	0.21	0.053
1677787	Soil	2.1	44.9	11.6	67	0.6	29.1	17.0	3631	3.02	8.6	0.7	1.9	1.8	30	0.3	0.6	0.2	73	0.32	0.052
1677813	Soil	0.7	16.3	8.9	35	<0.1	12.8	6.4	218	2.04	4.1	0.7	3.0	2.6	25	<0.1	0.2	0.1	52	0.35	0.051
1678046	Soil	3.8	23.4	11.1	67	0.6	17.6	8.2	433	2.81	13.8	0.5	2.0	1.7	21	0.2	1.9	0.2	91	0.24	0.044
1677784	Soil	1.4	36.0	9.4	79	0.2	30.3	14.8	715	3.50	8.8	0.5	<0.5	2.3	51	0.4	0.5	0.2	85	1.04	0.071
1677803	Soil	1.1	36.2	11.8	91	0.2	33.1	16.2	839	2.93	9.0	0.7	5.2	2.8	34	0.2	2.0	0.1	63	0.38	0.068
1677802	Soil	1.3	43.1	11.6	70	0.3	29.2	9.1	251	2.82	9.4	0.6	5.6	1.8	23	0.1	1.8	0.2	66	0.20	0.036
1678055	Soil	0.6	17.8	12.9	56	<0.1	9.5	9.6	511	3.44	5.2	0.4	4.4	5.3	26	<0.1	0.3	0.2	45	0.38	0.069
1677801	Soil	0.8	24.7	7.3	36	0.2	11.8	7.2	599	1.15	4.5	0.4	3.5	<0.1	16	0.1	1.3	0.1	25	0.13	0.040
1677789	Soil	1.6	19.2	9.0	52	0.8	14.2	5.8	140	2.64	8.3	0.3	6.0	1.0	13	<0.1	0.6	0.2	73	0.13	0.039
1677788	Soil	1.1	38.9	11.4	65	0.5	32.5	10.0	306	3.03	7.6	0.5	5.9	3.1	30	<0.1	0.7	0.2	60	0.29	0.046
1678054	Soil	0.9	21.6	13.1	61	<0.1	26.9	12.6	382	3.93	10.7	0.4	0.8	3.6	23	0.1	0.5	0.2	77	0.29	0.029
1677808	Soil	0.7	74.6	7.9	31	0.4	20.9	11.9	719	2.35	4.3	2.2	3.6	2.7	90	0.4	0.5	0.2	47	1.59	0.065
1677790	Soil	1.7	77.6	12.9	66	1.9	38.2	42.1	2878	2.80	8.6	1.4	7.2	0.6	32	0.5	0.9	0.2	56	0.26	0.064
1677785	Soil	1.0	57.8	10.4	57	0.2	35.5	15.1	2524	3.17	6.8	0.6	2.6	2.8	49	0.5	0.5	0.2	61	1.04	0.082
1678051	Soil	1.4	28.0	9.9	59	0.1	37.9	9.6	252	3.09	8.2	0.3	2.6	1.2	23	<0.1	1.5	0.2	91	0.23	0.030
1678048	Soil	1.4	30.8	8.7	32	0.4	11.4	4.6	108	1.85	6.3	0.5	4.7	0.6	24	0.2	0.7	0.1	50	0.17	0.033
1678053	Soil	1.2	15.7	9.3	70	0.1	17.2	11.6	879	3.21	7.0	0.3	<0.5	1.7	24	0.3	0.4	0.2	76	0.28	0.039
1678052	Soil	1.4	18.2	8.8	73	<0.1	14.5	9.0	543	2.71	7.7	0.4	1.3	0.9	19	0.2	0.4	0.1	67	0.18	0.039
1678774	Soil	0.9	19.2	17.8	59	<0.1	13.1	11.0	444	3.78	7.2	0.7	2.5	4.8	49	<0.1	0.4	0.2	53	0.54	0.065
1678047	Soil	1.8	21.4	10.2	77	0.6	20.7	8.9	271	3.24	10.8	0.4	5.5	1.2	24	0.2	0.6	0.2	83	0.27	0.056
1678045	Soil	4.7	59.6	19.2	70	1.1	26.4	13.6	738	2.29	10.7	1.1	4.4	1.5	43	<0.1	1.5	0.3	52	0.31	0.069
1678050	Soil	1.4	52.0	9.5	53	0.3	32.5	14.5	261	3.30	9.9	1.2	5.8	3.8	32	0.1	0.8	0.2	77	0.37	0.048
1678758	Soil	1.5	48.9	11.5	74	0.9	39.5	10.4	239	3.24	8.8	0.5	7.7	1.9	22	<0.1	0.8	0.2	80	0.18	0.033
1678777	Soil	1.5	17.7	10.5	83	<0.1	20.5	13.4	1090	3.38	10.2	0.4	1.2	2.1	28	0.2	0.4	0.2	84	0.52	0.053

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1677792	Soil	8	31	0.43	900	0.075	1	1.53	0.023	0.10	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
1677786	Soil	10	25	0.44	1603	0.037	4	1.16	0.027	0.07	<0.1	0.12	3.4	<0.1	0.10	3	1.0	<0.2
1677805	Soil	16	19	0.31	200	0.072	<1	1.17	0.028	0.07	<0.1	0.04	2.8	0.1	<0.05	6	<0.5	<0.2
1675050	Soil	17	36	0.52	874	0.046	2	1.71	0.016	0.13	<0.1	0.27	5.6	0.2	<0.05	6	0.8	<0.2
1678056	Soil	10	51	0.74	237	0.125	<1	3.19	0.020	0.06	<0.1	0.02	4.7	0.2	<0.05	8	<0.5	<0.2
1677795	Soil	9	29	0.34	303	0.045	1	1.26	0.015	0.07	<0.1	0.05	2.5	0.2	<0.05	6	<0.5	<0.2
1677787	Soil	11	38	0.46	965	0.066	1	1.78	0.019	0.10	<0.1	0.05	4.2	<0.1	<0.05	6	<0.5	<0.2
1677813	Soil	14	24	0.46	154	0.091	1	1.44	0.022	0.07	0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
1678046	Soil	9	29	0.30	300	0.070	<1	1.18	0.014	0.11	<0.1	0.04	2.6	0.1	<0.05	7	<0.5	<0.2
1677784	Soil	10	46	0.70	502	0.109	3	2.32	0.025	0.21	<0.1	0.01	5.2	<0.1	<0.05	7	<0.5	<0.2
1677803	Soil	13	37	0.52	489	0.088	1	1.53	0.023	0.09	<0.1	0.23	4.8	0.2	<0.05	5	0.5	<0.2
1677802	Soil	12	33	0.39	649	0.057	1	1.66	0.016	0.07	<0.1	0.07	3.8	0.1	<0.05	6	0.6	<0.2
1678055	Soil	22	16	0.85	249	0.035	2	2.16	0.009	0.14	<0.1	0.01	3.4	0.2	<0.05	7	<0.5	<0.2
1677801	Soil	7	14	0.14	363	0.022	3	0.62	0.016	0.05	<0.1	0.05	0.9	<0.1	<0.05	3	<0.5	<0.2
1677789	Soil	6	26	0.29	356	0.059	1	1.48	0.010	0.04	<0.1	0.02	2.3	<0.1	<0.05	7	<0.5	<0.2
1677788	Soil	14	31	0.50	1013	0.060	2	1.69	0.014	0.07	<0.1	0.05	3.7	<0.1	<0.05	5	<0.5	<0.2
1678054	Soil	10	43	0.75	224	0.091	1	2.90	0.014	0.06	0.1	<0.01	4.6	0.2	<0.05	8	<0.5	<0.2
1677808	Soil	106	25	0.38	267	0.055	3	1.73	0.036	0.04	0.1	0.08	6.9	0.2	0.05	4	<0.5	<0.2
1677790	Soil	12	26	0.19	951	0.035	2	1.66	0.015	0.04	<0.1	0.20	3.2	0.1	<0.05	5	1.0	<0.2
1677785	Soil	18	33	0.56	1378	0.057	4	1.99	0.034	0.08	<0.1	0.01	5.7	<0.1	<0.05	5	<0.5	<0.2
1678051	Soil	11	83	0.74	462	0.074	1	1.67	0.013	0.06	<0.1	0.03	5.2	0.2	<0.05	8	0.7	<0.2
1678048	Soil	9	19	0.18	948	0.045	2	1.09	0.014	0.06	<0.1	0.06	2.6	<0.1	<0.05	5	<0.5	<0.2
1678053	Soil	7	30	0.50	244	0.076	1	1.74	0.019	0.06	<0.1	0.02	3.0	0.1	<0.05	7	<0.5	<0.2
1678052	Soil	8	28	0.40	542	0.060	1	1.72	0.019	0.04	<0.1	0.02	2.5	0.1	<0.05	7	<0.5	<0.2
1678774	Soil	17	21	0.91	193	0.149	1	2.25	0.012	0.11	0.2	0.01	3.7	0.2	<0.05	7	<0.5	<0.2
1678047	Soil	9	37	0.38	569	0.080	2	1.91	0.016	0.06	<0.1	0.03	3.0	0.1	<0.05	8	<0.5	<0.2
1678045	Soil	15	30	0.38	1220	0.040	3	1.55	0.014	0.15	<0.1	0.33	3.9	0.4	0.07	5	1.6	<0.2
1678050	Soil	17	42	0.64	826	0.092	2	2.20	0.020	0.07	<0.1	0.17	7.8	0.1	<0.05	6	<0.5	<0.2
1678758	Soil	10	38	0.43	643	0.076	2	2.02	0.012	0.05	<0.1	0.09	3.7	0.1	<0.05	7	0.5	<0.2
1678777	Soil	10	36	0.60	258	0.095	1	2.11	0.017	0.08	<0.1	0.02	4.9	0.3	<0.05	8	<0.5	<0.2

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Project: THR
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1678049	Soil	1.3	51.2	9.6	55	0.4	31.9	13.5	289	3.68	9.8	1.3	13.1	3.6	34	<0.1	0.6	0.2	75	0.37	0.044
1678775	Soil	0.4	22.8	16.1	60	<0.1	11.5	9.6	410	3.75	4.3	0.8	0.9	6.7	66	<0.1	0.2	0.2	33	0.62	0.073
1678780	Soil	0.9	18.0	10.3	44	<0.1	15.8	7.8	327	2.42	6.0	0.5	1.8	1.9	26	0.2	0.3	0.2	70	0.33	0.040
1678778	Soil	1.5	20.1	13.9	51	<0.1	22.1	12.6	351	3.65	10.1	0.4	4.9	2.4	18	0.1	0.4	0.2	83	0.23	0.077
1678776	Soil	1.0	20.6	11.1	46	0.1	19.6	10.8	456	2.84	7.0	0.6	1.7	3.4	31	<0.1	0.4	0.1	64	0.43	0.041
1678773	Soil	1.3	16.4	18.5	72	<0.1	17.4	12.1	421	3.88	10.7	0.4	1.6	3.5	21	0.1	0.4	0.2	81	0.25	0.132
1678754	Soil	1.7	36.3	10.9	67	0.4	24.2	7.9	315	2.86	8.2	0.5	5.9	3.4	23	<0.1	0.8	0.2	64	0.19	0.033
1678757	Soil	2.1	53.4	12.5	88	0.1	43.0	15.0	683	3.78	13.3	0.7	6.0	2.8	24	<0.1	1.1	0.2	79	0.15	0.051
1678756	Soil	1.5	39.2	10.8	79	0.7	29.1	11.7	554	3.05	8.6	0.6	4.9	2.1	22	<0.1	0.6	0.2	71	0.19	0.039
1678782	Soil	0.4	15.3	15.6	47	<0.1	13.8	9.0	323	2.37	4.4	0.8	<0.5	6.7	30	<0.1	0.2	0.2	54	0.47	0.065
1678755	Soil	1.6	52.0	10.5	85	0.7	42.7	19.8	736	4.03	11.5	0.8	4.7	3.6	23	<0.1	0.6	0.2	92	0.25	0.046
1678761	Soil	1.2	45.0	10.5	63	<0.1	25.8	11.3	1338	2.37	6.2	0.5	1.8	1.9	25	<0.1	0.4	0.1	55	0.29	0.042
1678753	Soil	0.8	42.3	9.5	60	0.2	35.9	12.4	1020	2.88	5.6	0.5	3.7	2.5	31	0.2	0.4	0.2	57	0.54	0.046
1678781	Soil	0.4	23.3	11.7	50	<0.1	15.5	9.9	422	3.01	4.3	1.0	1.1	4.8	34	<0.1	0.2	0.1	65	0.54	0.079
1678762	Soil	3.2	50.3	12.1	45	0.7	24.9	9.1	616	1.70	14.6	1.0	2.0	0.5	22	0.2	0.4	0.2	31	0.20	0.066
1678759	Soil	1.2	30.9	8.6	67	0.3	21.1	9.9	744	2.48	6.7	0.3	2.6	1.6	21	0.2	0.6	0.2	65	0.24	0.033
1676791	Soil	2.1	47.6	10.0	100	0.5	35.9	17.3	518	3.98	12.8	1.3	3.9	3.7	24	0.1	0.7	0.2	91	0.26	0.047
1678779	Soil	0.7	15.2	11.6	39	<0.1	15.6	8.5	230	2.83	6.6	0.5	4.8	3.2	22	<0.1	0.2	0.1	65	0.34	0.032
1676801	Soil	2.3	29.7	9.0	44	0.2	24.6	10.0	293	3.29	9.5	0.5	5.8	2.3	28	<0.1	0.7	0.2	78	0.24	0.030
1678751	Soil	0.8	29.5	8.8	54	0.1	25.9	14.3	787	3.34	6.6	0.4	3.6	1.8	36	0.1	0.4	0.2	77	0.56	0.037
1676799	Soil	1.5	35.7	9.5	45	0.4	22.2	7.9	428	2.23	7.9	0.6	3.1	1.5	28	0.2	1.1	0.2	58	0.27	0.034
1678752	Soil	1.2	48.6	9.5	65	<0.1	47.0	18.0	1055	3.67	3.3	0.3	2.2	2.5	31	0.2	0.4	0.2	48	0.42	0.072
1676797	Soil	1.3	13.2	6.3	28	0.2	10.4	3.8	110	1.66	7.4	0.3	3.9	1.2	17	<0.1	0.6	0.1	54	0.19	0.024
1676796	Soil	0.9	62.6	8.2	56	0.2	39.1	14.0	324	3.36	9.4	0.9	7.3	3.4	25	<0.1	0.5	0.1	78	0.33	0.036
1676794	Soil	1.4	18.2	7.3	41	0.1	14.6	7.7	818	1.79	4.6	0.5	2.0	1.3	23	0.1	0.3	0.1	51	0.26	0.037
1678760	Soil	1.4	31.8	14.3	68	0.1	28.2	13.2	1093	3.33	8.8	0.5	4.9	2.8	30	<0.1	0.5	0.2	80	0.38	0.030
1676802	Soil	1.1	14.8	15.6	58	0.2	14.4	8.0	542	2.94	7.3	0.7	<0.5	4.4	35	0.1	0.3	0.1	53	0.27	0.037
1676805	Soil	0.8	23.5	11.2	52	<0.1	23.5	12.0	368	3.54	7.8	0.6	1.9	4.7	31	0.1	0.4	0.1	75	0.46	0.025
1676814	Soil	1.0	18.6	13.0	51	<0.1	23.0	11.2	425	2.89	8.6	0.6	<0.5	4.4	19	<0.1	0.4	0.1	73	0.24	0.025
1676804	Soil	1.0	17.4	10.0	59	<0.1	20.7	14.3	743	3.01	6.2	0.4	2.0	2.2	26	<0.1	0.4	0.2	77	0.39	0.025

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1678049	Soil	18	44	0.61	869	0.094	2	2.32	0.019	0.07	<0.1	0.15	8.1	0.1	<0.05	6	<0.5	<0.2
1678775	Soil	25	15	1.01	200	0.168	<1	2.47	0.011	0.13	0.2	0.01	4.0	0.2	<0.05	7	<0.5	<0.2
1678780	Soil	12	29	0.52	153	0.098	1	1.87	0.020	0.06	0.1	0.02	3.9	0.1	<0.05	7	<0.5	<0.2
1678778	Soil	8	37	0.48	162	0.094	1	2.56	0.015	0.06	0.1	0.01	4.2	0.1	<0.05	8	<0.5	<0.2
1678776	Soil	18	32	0.58	258	0.101	1	2.11	0.021	0.07	0.1	0.03	4.6	0.1	<0.05	7	<0.5	<0.2
1678773	Soil	11	30	0.62	135	0.108	1	2.04	0.014	0.09	0.2	0.02	4.1	0.2	<0.05	8	<0.5	<0.2
1678754	Soil	16	27	0.37	630	0.057	2	1.39	0.011	0.09	<0.1	0.04	3.4	<0.1	<0.05	5	<0.5	<0.2
1678757	Soil	15	37	0.44	544	0.070	2	2.00	0.011	0.06	0.1	0.03	3.9	0.1	<0.05	7	<0.5	<0.2
1678756	Soil	11	32	0.48	944	0.065	2	1.78	0.015	0.06	<0.1	0.07	3.5	0.1	<0.05	6	<0.5	<0.2
1678782	Soil	26	25	0.64	216	0.082	<1	1.78	0.017	0.11	<0.1	<0.01	3.6	0.1	<0.05	5	<0.5	<0.2
1678755	Soil	10	51	0.67	1075	0.089	2	2.84	0.019	0.08	<0.1	0.04	5.5	0.1	<0.05	7	<0.5	<0.2
1678761	Soil	10	28	0.42	922	0.051	2	1.52	0.018	0.09	<0.1	0.03	3.7	<0.1	<0.05	6	<0.5	<0.2
1678753	Soil	16	36	0.66	1736	0.051	2	1.78	0.022	0.08	<0.1	0.05	5.2	<0.1	<0.05	6	<0.5	<0.2
1678781	Soil	26	28	0.84	201	0.109	<1	1.98	0.025	0.07	0.1	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
1678762	Soil	12	22	0.20	801	0.032	2	1.07	0.013	0.05	<0.1	0.10	2.9	0.1	<0.05	4	<0.5	<0.2
1678759	Soil	8	27	0.35	638	0.069	2	1.19	0.023	0.08	<0.1	0.03	3.2	<0.1	<0.05	6	0.7	<0.2
1676791	Soil	13	57	0.74	756	0.102	2	3.17	0.024	0.06	<0.1	0.02	8.7	0.1	<0.05	7	<0.5	<0.2
1678779	Soil	11	30	0.64	161	0.093	1	2.07	0.014	0.09	0.1	0.01	3.6	0.1	<0.05	6	<0.5	<0.2
1676801	Soil	8	41	0.56	542	0.074	2	2.14	0.013	0.07	<0.1	0.05	4.3	0.1	<0.05	7	<0.5	<0.2
1678751	Soil	7	39	0.74	362	0.097	2	2.15	0.020	0.11	<0.1	0.02	4.6	<0.1	<0.05	7	<0.5	<0.2
1676799	Soil	12	27	0.36	998	0.061	3	1.50	0.014	0.07	0.1	0.06	3.5	<0.1	<0.05	5	<0.5	<0.2
1678752	Soil	18	34	0.92	865	0.035	2	1.89	0.014	0.08	<0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
1676797	Soil	6	19	0.24	386	0.062	2	1.04	0.014	0.05	<0.1	0.01	2.0	<0.1	<0.05	6	<0.5	<0.2
1676796	Soil	11	49	0.74	948	0.095	2	2.82	0.019	0.06	<0.1	0.08	5.6	<0.1	<0.05	7	<0.5	<0.2
1676794	Soil	8	22	0.27	285	0.063	2	1.38	0.025	0.04	<0.1	0.05	2.8	<0.1	<0.05	6	<0.5	<0.2
1678760	Soil	12	40	0.70	1010	0.071	1	2.37	0.017	0.07	<0.1	0.03	4.1	0.1	<0.05	7	<0.5	<0.2
1676802	Soil	14	25	0.62	435	0.068	2	1.99	0.013	0.06	<0.1	0.02	3.0	0.2	<0.05	7	<0.5	<0.2
1676805	Soil	14	40	0.76	190	0.117	1	2.46	0.022	0.07	<0.1	0.02	5.8	0.1	<0.05	7	<0.5	<0.2
1676814	Soil	12	37	0.54	235	0.083	1	2.26	0.013	0.11	<0.1	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
1676804	Soil	11	32	0.52	189	0.094	2	2.04	0.022	0.06	<0.1	0.02	3.6	0.1	<0.05	7	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1676800	Soil	1.5	41.8	10.2	59	0.2	38.0	10.8	446	3.30	12.2	0.6	2.1	2.3	28	<0.1	1.5	0.2	78	0.28	0.036
1676806	Soil	1.3	30.9	12.6	59	0.5	21.8	12.8	834	2.83	5.2	0.6	0.8	2.6	50	0.5	0.4	0.2	59	0.74	0.063
1676807	Soil	0.8	21.6	10.8	59	0.1	20.2	14.3	699	3.77	7.2	0.7	1.5	3.8	39	<0.1	0.4	0.2	68	0.57	0.030
1676792	Soil	1.2	33.1	8.3	54	<0.1	31.0	13.7	373	3.44	9.7	0.8	1.8	3.4	28	0.1	0.6	0.2	78	0.24	0.024
1676803	Soil	0.9	22.8	10.0	59	<0.1	25.2	11.9	391	3.36	8.2	0.7	2.0	3.7	28	0.2	0.5	0.1	83	0.42	0.021
1676810	Soil	0.6	52.0	11.0	56	0.1	30.8	13.2	556	3.27	8.3	1.0	3.4	5.5	43	0.1	0.4	0.1	69	0.90	0.060
1676793	Soil	1.9	43.7	10.4	66	0.2	28.2	15.6	684	3.62	10.3	1.3	4.6	3.9	27	<0.1	0.5	0.2	90	0.32	0.031
1676808	Soil	0.9	25.0	9.8	63	<0.1	26.7	13.0	1394	3.17	6.5	0.5	1.1	3.5	51	0.1	0.4	0.2	72	1.07	0.058
1678063	Soil	1.2	17.1	14.0	67	0.1	14.1	7.7	727	2.45	8.9	0.5	3.1	2.5	19	0.2	0.4	0.4	54	0.24	0.064
1678058	Soil	1.0	15.7	9.5	63	<0.1	20.3	11.6	421	3.23	5.3	0.4	0.9	1.8	22	0.3	0.4	0.2	69	0.36	0.057
1678064	Soil	1.7	15.4	13.2	47	<0.1	15.5	9.7	301	2.75	7.0	0.6	2.4	4.4	21	<0.1	0.3	0.2	62	0.31	0.042
1678057	Soil	1.0	21.4	8.4	46	0.1	22.4	13.0	511	2.87	6.6	0.5	1.1	3.9	26	<0.1	0.3	0.1	65	0.34	0.044
1678061	Soil	1.1	20.6	8.7	64	<0.1	23.6	13.3	895	3.79	8.5	0.5	2.3	2.5	35	0.1	0.5	0.2	84	0.56	0.069
1678059	Soil	1.0	24.6	13.3	54	<0.1	22.3	14.3	717	3.68	7.6	0.5	1.0	4.8	39	0.1	0.4	0.2	70	0.66	0.037
1678062	Soil	1.2	13.7	7.7	25	<0.1	8.2	5.5	256	1.91	4.2	0.4	1.9	1.1	18	<0.1	0.3	0.1	57	0.22	0.057
1678060	Soil	1.2	16.6	8.0	32	<0.1	13.7	7.2	399	2.29	4.4	0.4	1.7	1.6	19	<0.1	0.3	0.2	62	0.24	0.021
1675033	Soil	0.7	60.9	9.0	64	0.2	36.4	16.1	811	3.31	12.2	0.6	4.4	3.4	40	0.1	0.5	0.1	64	0.84	0.051
1675036	Soil	0.2	101.0	6.6	47	0.2	35.0	10.7	848	1.96	3.2	1.2	31.5	1.0	57	0.3	0.4	0.1	33	2.47	0.065
1675038	Soil	1.7	51.1	12.7	75	1.0	34.4	7.4	176	3.04	10.3	1.0	3.6	3.1	25	0.1	1.1	0.2	65	0.21	0.034
1675041	Soil	2.5	73.4	10.5	87	0.8	52.2	12.3	3606	2.46	19.0	0.9	9.5	1.4	88	0.1	3.9	0.2	43	0.65	0.044
1675057	Soil	0.7	26.7	10.3	58	<0.1	19.7	16.0	483	3.71	7.1	0.9	4.1	4.8	35	0.2	0.3	0.1	74	0.62	0.078
1676809	Soil	0.9	28.2	10.4	46	0.1	23.1	10.2	498	2.90	5.7	0.5	2.1	2.5	53	0.3	0.4	0.2	65	0.83	0.046
1675035	Soil	0.7	81.7	8.7	60	0.2	35.1	13.3	1081	2.30	4.0	0.6	5.1	1.9	49	0.2	0.4	0.1	40	1.64	0.070
1675040	Soil	0.9	64.0	13.3	94	0.8	39.4	14.1	419	2.74	7.5	1.3	8.8	2.6	32	0.2	0.8	0.2	52	0.32	0.056
1676795	Soil	1.7	44.2	10.8	55	0.2	31.2	11.5	753	2.75	8.6	0.5	3.9	2.1	21	<0.1	0.6	0.2	69	0.22	0.040
1675059	Soil	1.3	22.9	9.5	57	0.2	16.8	12.6	970	2.55	5.8	0.5	2.2	2.4	27	0.3	0.3	0.2	60	0.37	0.038
1675037	Soil	2.0	41.2	10.9	69	0.7	28.2	8.3	463	2.99	9.4	0.5	4.4	2.7	28	<0.1	0.8	0.2	66	0.21	0.034
1675039	Soil	2.3	39.8	14.3	88	0.4	38.6	10.9	414	2.87	9.3	0.6	6.0	3.9	22	0.1	1.1	0.3	54	0.16	0.028
1676798	Soil	1.3	29.6	7.7	34	0.2	14.7	6.5	221	1.84	6.8	0.4	6.0	1.7	21	<0.1	0.6	0.1	41	0.14	0.036
1675061	Soil	1.0	22.9	8.9	36	0.2	16.0	7.1	228	2.33	5.6	0.7	2.8	2.1	28	<0.1	0.3	0.2	55	0.36	0.033

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Project: THR
Report Date: August 23, 2018

CERTIFICATE OF ANALYSIS WHI18000606.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1676800	Soil		11	37	0.54	1098	0.081	2	2.07	0.015	0.08	<0.1	0.05	4.7	0.1	<0.05	6	<0.5	<0.2
1676806	Soil		44	28	0.60	304	0.099	2	1.86	0.032	0.16	0.1	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
1676807	Soil		13	33	0.79	184	0.127	2	2.38	0.024	0.07	<0.1	0.02	5.1	0.1	<0.05	7	<0.5	<0.2
1676792	Soil		11	47	0.66	1059	0.096	2	2.71	0.017	0.04	<0.1	0.02	5.8	0.1	<0.05	7	<0.5	<0.2
1676803	Soil		16	45	0.81	189	0.131	1	2.45	0.020	0.07	0.1	0.02	5.4	0.1	<0.05	7	<0.5	<0.2
1676810	Soil		33	41	0.86	236	0.109	2	2.09	0.042	0.08	0.1	0.03	7.0	0.1	<0.05	5	<0.5	<0.2
1676793	Soil		20	51	0.65	636	0.101	2	2.79	0.020	0.05	<0.1	0.03	9.5	0.1	<0.05	7	<0.5	<0.2
1676808	Soil		15	36	0.63	303	0.086	2	2.20	0.035	0.11	<0.1	0.01	5.6	0.1	<0.05	6	<0.5	<0.2
1678063	Soil		14	22	0.39	170	0.048	1	1.48	0.013	0.11	<0.1	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
1678058	Soil		9	28	0.65	167	0.103	1	2.11	0.019	0.07	0.1	0.01	3.4	0.2	<0.05	8	<0.5	<0.2
1678064	Soil		13	28	0.46	207	0.049	1	1.95	0.015	0.09	0.1	0.02	3.2	0.1	<0.05	6	<0.5	<0.2
1678057	Soil		13	35	0.62	195	0.089	<1	2.03	0.024	0.08	<0.1	0.02	4.2	0.1	<0.05	6	<0.5	<0.2
1678061	Soil		9	39	0.80	220	0.096	2	2.51	0.023	0.15	<0.1	0.01	4.2	0.1	<0.05	7	<0.5	<0.2
1678059	Soil		17	33	0.70	228	0.088	2	2.15	0.029	0.13	<0.1	0.01	5.0	0.2	<0.05	7	<0.5	<0.2
1678062	Soil		7	18	0.27	123	0.069	1	1.17	0.019	0.05	<0.1	<0.01	2.4	0.1	<0.05	6	<0.5	<0.2
1678060	Soil		14	26	0.42	130	0.076	1	2.06	0.025	0.04	<0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
1675033	Soil		18	38	0.71	837	0.084	3	2.02	0.033	0.10	0.1	0.04	6.6	0.1	<0.05	5	<0.5	<0.2
1675036	Soil		9	23	0.51	1618	0.031	4	1.12	0.020	0.05	<0.1	0.17	3.8	<0.1	0.10	3	0.9	<0.2
1675038	Soil		14	27	0.34	1612	0.056	1	1.50	0.011	0.07	<0.1	0.07	3.7	<0.1	<0.05	6	0.7	<0.2
1675041	Soil		9	29	0.37	1002	0.041	2	1.28	0.015	0.08	<0.1	0.24	4.4	<0.1	0.05	3	2.0	<0.2
1675057	Soil		27	32	0.88	290	0.113	<1	2.53	0.019	0.06	0.1	0.03	5.4	0.2	<0.05	7	<0.5	<0.2
1676809	Soil		17	33	0.61	189	0.087	2	2.19	0.028	0.10	<0.1	0.02	4.2	0.1	<0.05	7	<0.5	<0.2
1675035	Soil		15	32	0.78	1144	0.044	4	1.47	0.020	0.07	<0.1	0.08	4.8	<0.1	0.05	3	0.6	<0.2
1675040	Soil		17	29	0.48	1166	0.052	2	1.72	0.016	0.07	<0.1	0.19	4.7	0.1	<0.05	4	1.2	<0.2
1676795	Soil		9	33	0.44	354	0.064	2	2.06	0.012	0.07	<0.1	0.03	3.4	0.1	<0.05	6	<0.5	<0.2
1675059	Soil		19	27	0.46	194	0.076	1	1.83	0.019	0.07	<0.1	0.02	4.0	0.1	<0.05	7	<0.5	<0.2
1675037	Soil		11	27	0.40	1078	0.043	2	1.41	0.011	0.07	<0.1	0.06	3.4	<0.1	<0.05	6	0.8	<0.2
1675039	Soil		17	24	0.30	987	0.037	1	1.32	0.007	0.06	<0.1	0.04	2.7	0.1	<0.05	5	<0.5	<0.2
1676798	Soil		12	23	0.29	995	0.052	1	1.14	0.009	0.08	<0.1	0.05	2.1	<0.1	<0.05	4	0.7	<0.2
1675061	Soil		24	25	0.44	194	0.069	<1	2.12	0.021	0.05	0.1	0.02	3.9	0.2	<0.05	7	<0.5	<0.2

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Project: THR
Report Date: August 23, 2018

CERTIFICATE OF ANALYSIS WHI18000606.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1675044	Soil		2.5	49.8	12.0	92	0.2	37.1	10.5	389	2.34	6.5	0.6	3.3	1.6	21	0.1	0.5	0.2	44	0.18	0.031
1675042	Soil		1.4	53.9	7.4	69	0.4	40.1	11.0	896	2.91	8.1	0.6	3.4	2.9	37	<0.1	0.7	0.2	64	0.25	0.021
1676813	Soil		0.8	13.0	23.7	109	<0.1	16.5	10.6	196	2.66	8.7	0.7	1.6	8.9	21	<0.1	0.5	0.1	42	0.31	0.055
1675060	Soil		1.6	23.5	9.8	99	0.1	16.9	12.1	3067	2.47	7.2	0.6	2.3	2.9	41	0.3	0.4	0.1	50	0.57	0.121
1675063	Soil		0.6	27.3	11.4	45	0.1	15.1	7.9	317	2.25	4.5	2.0	5.3	2.4	49	0.2	0.2	0.2	41	0.77	0.083
1675043	Soil		4.9	93.6	14.3	109	0.3	53.9	16.3	1315	2.78	22.3	1.0	6.2	4.2	48	0.1	0.6	0.3	33	0.18	0.056
1675058	Soil		1.3	18.5	8.7	60	0.1	13.1	9.0	337	2.51	5.5	0.4	1.5	2.2	30	0.3	0.3	0.1	55	0.49	0.048
1675062	Soil		0.7	17.3	10.2	43	<0.1	15.1	7.4	167	2.15	6.2	0.8	4.0	3.3	28	<0.1	0.3	0.2	52	0.40	0.032
1675064	Soil		0.7	25.1	12.7	58	<0.1	19.4	8.6	366	2.63	6.3	1.7	4.4	4.7	38	<0.1	0.3	0.2	59	0.62	0.071
1675034	Soil		0.5	86.4	10.2	59	0.2	38.0	14.2	956	2.77	6.5	0.6	5.8	2.1	53	0.2	0.4	0.2	46	1.40	0.056

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Report Date: August 23, 2018

CERTIFICATE OF ANALYSIS WHI18000606.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1675044	Soil		10	23	0.35	295	0.046	<1	1.18	0.010	0.07	<0.1	0.05	2.8	0.1	<0.05	4	0.6	<0.2
1675042	Soil		10	40	0.74	775	0.069	<1	2.15	0.015	0.06	<0.1	0.05	4.6	<0.1	<0.05	5	0.8	<0.2
1676813	Soil		21	23	0.72	130	0.051	<1	1.53	0.009	0.11	<0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
1675060	Soil		12	26	0.40	286	0.064	2	1.51	0.035	0.08	<0.1	0.01	4.6	0.1	<0.05	6	<0.5	<0.2
1675063	Soil		28	24	0.54	214	0.063	<1	1.79	0.019	0.09	0.1	0.06	4.5	<0.1	<0.05	6	<0.5	<0.2
1675043	Soil		25	16	0.43	1127	0.017	<1	1.16	0.008	0.06	<0.1	0.05	3.6	<0.1	<0.05	3	0.6	<0.2
1675058	Soil		8	21	0.57	220	0.085	1	1.62	0.021	0.11	0.1	<0.01	3.2	0.1	<0.05	6	<0.5	<0.2
1675062	Soil		17	25	0.55	192	0.079	<1	1.76	0.017	0.06	0.1	0.01	4.2	<0.1	<0.05	6	<0.5	<0.2
1675064	Soil		22	32	0.71	218	0.096	<1	2.17	0.021	0.08	0.1	0.03	5.6	0.1	<0.05	6	<0.5	<0.2
1675034	Soil		22	32	0.74	1415	0.040	2	1.67	0.024	0.07	<0.1	0.06	5.4	<0.1	<0.05	5	<0.5	<0.2

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Project: THR
Report Date: August 23, 2018

QUALITY CONTROL REPORT WHI18000606.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1676811	Soil	1.2	18.4	9.4	43	<0.1	14.5	9.1	298	2.68	5.9	0.4	0.8	1.2	24	0.2	0.4	0.2	72	0.31	0.054
REP 1676811	QC	1.3	17.9	9.3	43	<0.1	13.8	8.9	299	2.59	5.8	0.4	0.8	1.2	21	0.2	0.4	0.2	68	0.29	0.055
1675050	Soil	1.0	65.9	15.4	93	0.7	44.1	11.2	274	3.01	7.9	1.0	11.8	2.2	42	0.1	1.5	0.2	60	0.33	0.057
REP 1675050	QC	1.0	67.7	15.5	94	0.7	44.2	11.0	271	3.08	8.0	1.0	9.9	2.2	42	0.2	1.5	0.2	61	0.32	0.055
1678782	Soil	0.4	15.3	15.6	47	<0.1	13.8	9.0	323	2.37	4.4	0.8	<0.5	6.7	30	<0.1	0.2	0.2	54	0.47	0.065
REP 1678782	QC	0.5	13.9	15.6	44	<0.1	12.2	8.4	314	2.25	4.5	0.8	1.8	6.8	29	<0.1	0.3	0.2	52	0.46	0.062
1678060	Soil	1.2	16.6	8.0	32	<0.1	13.7	7.2	399	2.29	4.4	0.4	1.7	1.6	19	<0.1	0.3	0.2	62	0.24	0.021
REP 1678060	QC	1.0	16.6	8.0	30	<0.1	13.7	7.2	411	2.33	4.2	0.4	0.5	1.5	20	<0.1	0.3	0.2	59	0.27	0.021
1675058	Soil	1.3	18.5	8.7	60	0.1	13.1	9.0	337	2.51	5.5	0.4	1.5	2.2	30	0.3	0.3	0.1	55	0.49	0.048
REP 1675058	QC	1.1	18.1	8.6	58	0.1	13.3	8.2	333	2.49	5.7	0.4	2.8	2.2	32	0.2	0.3	0.1	60	0.51	0.054
Reference Materials																					
STD DS11	Standard	15.9	159.4	145.4	353	1.7	84.5	14.9	1073	3.32	45.5	2.8	85.4	8.5	70	2.5	8.9	12.3	54	1.07	0.076
STD DS11	Standard	13.4	163.5	148.0	340	1.7	82.8	14.8	1054	3.19	46.2	2.7	64.6	7.9	62	2.6	8.7	12.5	54	1.03	0.074
STD DS11	Standard	16.2	153.4	148.4	368	1.8	79.7	15.7	1043	3.25	45.6	2.7	99.1	8.0	71	2.2	8.3	11.1	58	1.08	0.078
STD DS11	Standard	14.0	139.9	139.1	335	1.6	79.2	15.0	1099	3.19	40.6	2.6	89.3	7.3	64	2.3	7.3	10.8	49	1.07	0.065
STD DS11	Standard	13.9	156.5	133.5	351	1.8	77.3	12.2	992	2.91	41.6	2.6	65.9	7.4	64	2.3	6.8	10.7	45	0.96	0.067
STD OXC129	Standard	1.4	30.4	7.1	46	<0.1	88.3	23.7	452	3.33	0.9	0.8	202.3	2.1	201	<0.1	<0.1	<0.1	60	0.74	0.110
STD OXC129	Standard	1.4	29.5	6.8	43	<0.1	82.0	21.6	434	3.13	0.7	0.7	188.7	1.9	174	<0.1	<0.1	<0.1	59	0.60	0.101
STD OXC129	Standard	1.3	28.7	6.9	45	<0.1	82.4	23.1	445	3.30	0.8	0.7	211.3	1.9	208	<0.1	<0.1	<0.1	57	0.75	0.112
STD OXC129	Standard	1.4	27.8	6.6	42	<0.1	79.9	21.2	423	3.12	<0.5	0.8	201.5	1.8	193	<0.1	<0.1	<0.1	55	0.68	0.096
STD OXC129	Standard	1.3	27.0	6.1	43	<0.1	75.4	20.4	387	3.03	0.6	0.6	192.2	1.8	189	<0.1	<0.1	<0.1	57	0.65	0.097
STD OXC129 Expected		1.3	28	6.2	42.9		79.5	20.3	421	3.065	0.6	0.69	195	1.9					51	0.684	0.102
STD DS11 Expected		14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

BUREAU VERITAS
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Canada

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Client: **White Gold Corp.**
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Project: THR
Report Date: August 23, 2018

QUALITY CONTROL REPORT   WHI18000606.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1676811	Soil	6	23	0.42	198	0.071	<1	1.38	0.018	0.05	0.2	0.01	2.7	<0.1	<0.05	7	<0.5	<0.2
REP 1676811	QC	6	23	0.40	192	0.065	<1	1.29	0.016	0.05	0.1	0.01	2.4	<0.1	<0.05	7	<0.5	<0.2
1675050	Soil	17	36	0.52	874	0.046	2	1.71	0.016	0.13	<0.1	0.27	5.6	0.2	<0.05	6	0.8	<0.2
REP 1675050	QC	17	36	0.52	875	0.046	2	1.67	0.016	0.12	<0.1	0.27	5.6	0.2	<0.05	6	0.8	<0.2
1678782	Soil	26	25	0.64	216	0.082	<1	1.78	0.017	0.11	<0.1	<0.01	3.6	0.1	<0.05	5	<0.5	<0.2
REP 1678782	QC	25	23	0.58	220	0.082	<1	1.62	0.016	0.12	<0.1	<0.01	3.8	0.1	<0.05	5	<0.5	<0.2
1678060	Soil	14	26	0.42	130	0.076	1	2.06	0.025	0.04	<0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
REP 1678060	QC	14	26	0.40	130	0.080	1	1.90	0.025	0.04	<0.1	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
1675058	Soil	8	21	0.57	220	0.085	1	1.62	0.021	0.11	0.1	<0.01	3.2	0.1	<0.05	6	<0.5	<0.2
REP 1675058	QC	8	22	0.52	221	0.089	<1	1.52	0.019	0.12	0.1	<0.01	3.0	0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS11	Standard	21	64	0.87	376	0.100	7	1.21	0.078	0.42	3.1	0.26	3.6	5.0	0.28	5	2.3	4.7
STD DS11	Standard	18	63	0.83	346	0.086	7	1.06	0.068	0.38	3.0	0.26	3.1	5.0	0.31	5	2.3	5.1
STD DS11	Standard	20	62	0.86	409	0.094	8	1.20	0.071	0.42	3.0	0.28	3.5	5.2	0.26	5	2.0	4.9
STD DS11	Standard	19	60	0.81	384	0.086	8	1.10	0.069	0.36	2.7	0.27	3.0	4.7	0.26	5	1.8	4.1
STD DS11	Standard	17	54	0.80	376	0.087	7	1.13	0.067	0.36	3.1	0.24	3.4	4.7	0.27	5	2.6	4.5
STD OXC129	Standard	14	59	1.62	54	0.441	<1	1.69	0.631	0.39	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	56	1.48	51	0.414	2	1.36	0.562	0.38	<0.1	<0.01	0.7	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	14	56	1.74	55	0.423	1	1.79	0.671	0.36	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	12	54	1.52	48	0.412	1	1.52	0.609	0.34	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	12	49	1.62	49	0.377	1	1.57	0.535	0.35	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129 Expected		12.5	52	1.545	50	0.4	1	1.58	0.59	0.3655			1.1			5.5		
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Greg Dawson
Receiving Lab: Canada-Whitehorse
Received: August 22, 2018
Report Date: September 01, 2018
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI18000712.1

CLIENT JOB INFORMATION

Project: WEL
Shipment ID: WEL-20180809-001-SOIL
P.O. Number
Number of Samples: 323

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	323	Dry at 60C			WHI
SS80	323	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201-U	321	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	323	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

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

CC: Jodie Gibson
Ben McGrath
Wes Hodson
Isaac Fage

GEORGE ARCALA
Instrumentation Shift Supervisor

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

BUREAU VERITAS MINERAL LABORATORIES Canada

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Client: **White Gold Corp.**
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Project: WEL
Report Date: September 01, 2018

CERTIFICATE OF ANALYSIS WHI18000712.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1676943	Soil		0.6	52.6	9.8	59	0.1	28.0	10.9	492	2.26	7.1	1.1	3.1	2.7	57	0.2	0.5	0.3	52	1.18	0.057
1676944	Soil		0.8	49.1	9.8	48	<0.1	30.0	12.1	1311	1.75	5.0	0.9	5.4	1.6	64	0.3	0.4	0.3	33	1.95	0.069
1676945	Soil		0.5	51.0	8.9	66	<0.1	32.3	12.6	641	2.56	5.1	0.9	4.5	2.6	51	0.2	0.4	0.2	58	1.03	0.076
1676946	Soil		1.1	49.6	9.7	75	0.2	38.3	12.5	580	3.23	7.4	0.5	4.6	3.7	35	0.1	0.7	0.2	65	0.31	0.039
1676947	Soil		1.4	66.7	10.9	94	0.2	45.8	13.3	845	3.04	8.6	0.5	4.5	3.5	29	0.2	1.0	0.2	60	0.17	0.034
1676948	Soil		1.5	33.4	9.9	71	0.3	30.5	13.0	533	3.57	11.5	0.8	2.2	3.5	24	0.1	0.8	0.2	86	0.22	0.022
1676949	Soil		1.6	88.8	10.1	59	0.2	35.3	10.4	339	2.83	34.7	0.6	4.8	3.4	28	<0.1	3.2	0.4	68	0.28	0.029
1676950	Soil		1.4	61.3	9.1	59	0.2	32.8	10.6	369	2.84	18.3	0.5	4.9	3.2	26	<0.1	1.8	0.2	73	0.26	0.024
1676951	Soil		1.2	38.6	9.0	60	0.2	32.7	11.9	270	3.25	15.1	0.5	4.4	3.3	21	0.1	2.2	0.2	80	0.21	0.024
1676952	Soil		1.8	66.9	12.3	99	0.6	56.4	13.7	348	3.12	22.5	0.7	8.2	4.5	25	0.1	5.2	0.3	61	0.16	0.033
1676953	Soil		1.5	76.6	12.9	112	0.3	59.8	13.9	241	3.32	21.3	0.7	9.1	4.6	27	0.1	4.7	0.3	52	0.15	0.037
1676954	Soil		0.8	54.1	9.2	90	0.9	45.4	11.0	651	2.74	7.9	1.2	12.8	2.8	101	0.1	1.7	0.2	55	0.65	0.064
1676955	Soil		0.4	44.7	7.2	65	<0.1	28.2	12.6	364	2.55	6.5	0.6	8.4	2.7	59	0.2	0.4	0.1	70	0.78	0.082
1676956	Soil		1.5	44.1	8.8	72	0.3	28.5	11.4	1479	2.47	9.8	0.9	6.4	2.0	47	0.3	1.1	0.2	55	0.55	0.067
1676957	Soil		0.8	42.3	9.3	65	0.2	26.2	9.9	584	2.29	6.6	0.6	6.9	2.9	54	0.5	0.6	0.1	54	0.80	0.069
1676958	Soil		2.1	42.4	11.8	69	0.1	33.6	15.0	2323	2.91	8.3	0.6	1.9	3.2	33	0.4	0.7	0.2	71	0.27	0.023
1676959	Soil		1.6	16.6	11.1	63	0.3	17.0	7.2	417	2.36	6.1	0.3	0.5	1.4	19	0.5	0.6	0.2	60	0.20	0.023
1676960	Soil		4.5	77.3	14.0	81	0.6	30.6	10.8	550	2.45	15.8	1.6	5.9	1.9	74	1.2	1.0	0.2	62	0.44	0.064
1676961	Soil		0.5	37.3	11.9	70	0.2	25.2	10.5	476	2.28	6.1	0.7	5.7	2.3	59	0.1	0.5	0.2	60	0.54	0.053
1676962	Soil		0.7	42.1	15.9	73	0.2	24.1	26.7	3043	2.79	6.0	0.6	6.7	2.6	36	0.1	0.7	0.2	66	0.29	0.052
1676963	Soil		0.6	39.8	8.1	61	<0.1	27.5	14.0	867	2.95	7.2	0.9	12.1	2.9	46	0.2	0.6	0.2	71	0.64	0.073
1676964	Soil		0.6	36.2	6.0	54	<0.1	28.3	10.8	427	2.50	7.2	0.5	1.8	3.2	58	0.2	0.5	0.1	65	1.64	0.097
1676965	Soil		1.6	33.0	10.5	64	0.2	27.1	13.1	476	2.68	8.2	0.5	1.8	2.3	38	0.3	0.8	0.2	64	0.42	0.045
1676966	Soil		2.3	22.9	11.0	50	0.5	22.1	9.3	230	2.61	13.1	0.6	2.1	2.6	59	0.2	1.6	0.2	67	0.50	0.058
1676967	Soil		0.6	33.0	8.3	55	<0.1	24.4	12.2	430	3.22	8.8	0.8	2.1	4.3	43	0.1	0.5	0.1	69	0.64	0.058
1676968	Soil		1.1	20.9	11.3	47	<0.1	21.7	10.6	337	3.00	7.6	0.6	2.3	4.0	33	0.1	0.4	0.2	75	0.50	0.037
1676969	Soil		0.8	44.5	14.4	57	<0.1	30.6	15.5	639	3.71	10.1	1.1	5.3	7.1	46	<0.1	0.7	0.2	78	0.68	0.059
1676970	Soil		0.8	17.9	12.7	63	<0.1	20.2	10.2	579	2.74	7.9	0.5	1.6	3.3	37	0.1	0.5	0.2	65	0.58	0.047
1676971	Soil		1.3	16.7	11.2	56	<0.1	17.8	11.1	364	2.66	6.5	0.5	0.8	2.2	25	0.2	0.5	0.2	63	0.28	0.048
1676972	Soil		0.8	22.3	9.0	47	<0.1	24.0	10.5	263	2.71	8.0	1.1	1.8	3.6	36	<0.1	0.4	0.1	71	0.44	0.059

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Project: WEL
Report Date: September 01, 2018

CERTIFICATE OF ANALYSIS WHI18000712.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1676943	Soil		20	35	0.59	508	0.069	4	1.60	0.027	0.07	0.1	0.05	5.8	<0.1	<0.05	4	<0.5	<0.2
1676944	Soil		17	27	0.53	869	0.034	3	1.12	0.016	0.06	<0.1	0.08	3.5	0.1	<0.05	3	<0.5	<0.2
1676945	Soil		15	34	0.62	756	0.088	3	1.49	0.040	0.05	0.1	0.05	5.7	<0.1	<0.05	5	<0.5	<0.2
1676946	Soil		15	34	0.56	839	0.080	1	1.71	0.016	0.08	<0.1	0.03	3.9	<0.1	<0.05	4	<0.5	<0.2
1676947	Soil		15	30	0.40	880	0.049	2	1.62	0.011	0.07	<0.1	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
1676948	Soil		12	55	0.69	555	0.105	1	2.33	0.018	0.06	<0.1	0.03	5.9	<0.1	<0.05	7	<0.5	<0.2
1676949	Soil		16	35	0.50	639	0.075	1	1.73	0.015	0.05	0.1	0.03	4.4	0.1	<0.05	5	1.0	<0.2
1676950	Soil		12	38	0.53	551	0.082	<1	2.00	0.018	0.05	<0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2
1676951	Soil		10	42	0.60	485	0.100	2	2.53	0.014	0.06	<0.1	0.04	4.0	<0.1	<0.05	6	<0.5	<0.2
1676952	Soil		19	29	0.31	1056	0.043	2	1.64	0.012	0.07	<0.1	0.08	4.0	0.1	<0.05	5	0.7	<0.2
1676953	Soil		23	23	0.30	644	0.043	1	1.33	0.009	0.07	<0.1	0.04	2.9	<0.1	<0.05	4	1.1	<0.2
1676954	Soil		16	29	0.53	1309	0.073	3	1.32	0.028	0.07	0.1	0.24	5.6	<0.1	<0.05	4	1.0	<0.2
1676955	Soil		13	33	0.75	589	0.123	3	1.72	0.053	0.07	0.1	0.03	5.5	<0.1	<0.05	5	<0.5	<0.2
1676956	Soil		14	28	0.52	591	0.074	1	1.30	0.030	0.07	0.1	0.09	4.4	0.1	<0.05	4	0.8	<0.2
1676957	Soil		13	27	0.60	654	0.084	3	1.38	0.038	0.10	0.1	0.04	4.0	0.1	<0.05	4	<0.5	<0.2
1676958	Soil		15	34	0.59	1138	0.089	1	2.09	0.023	0.08	<0.1	0.03	4.5	0.1	<0.05	6	<0.5	<0.2
1676959	Soil		8	24	0.37	279	0.066	<1	1.22	0.022	0.08	<0.1	0.02	2.2	0.1	<0.05	5	<0.5	<0.2
1676960	Soil		17	25	0.33	1257	0.045	2	1.30	0.016	0.11	<0.1	0.18	4.1	0.5	0.06	4	1.2	<0.2
1676961	Soil		13	36	0.59	446	0.083	2	1.52	0.025	0.07	<0.1	0.09	4.8	<0.1	<0.05	5	<0.5	<0.2
1676962	Soil		15	29	0.63	500	0.060	2	1.66	0.017	0.11	<0.1	0.06	4.5	0.1	<0.05	5	<0.5	<0.2
1676963	Soil		14	34	0.63	467	0.101	1	1.64	0.031	0.06	0.1	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
1676964	Soil		13	32	0.84	329	0.099	2	1.34	0.049	0.09	0.2	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
1676965	Soil		11	31	0.52	537	0.087	1	1.46	0.025	0.15	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
1676966	Soil		14	31	0.51	679	0.084	1	1.57	0.025	0.09	0.1	0.06	3.7	0.2	<0.05	5	0.8	<0.2
1676967	Soil		21	36	0.76	309	0.117	1	1.98	0.035	0.07	<0.1	0.02	6.3	0.2	<0.05	6	<0.5	<0.2
1676968	Soil		15	34	0.67	181	0.109	<1	1.95	0.024	0.09	0.1	0.02	5.0	0.1	<0.05	6	<0.5	<0.2
1676969	Soil		44	38	0.88	218	0.128	1	2.39	0.037	0.09	0.1	0.03	9.2	0.3	<0.05	6	<0.5	<0.2
1676970	Soil		15	32	0.66	237	0.080	<1	1.96	0.020	0.08	<0.1	0.01	4.0	0.2	<0.05	5	<0.5	<0.2
1676971	Soil		13	28	0.35	168	0.074	<1	1.59	0.023	0.08	<0.1	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
1676972	Soil		17	37	0.71	190	0.098	<1	2.09	0.025	0.06	0.1	0.01	5.1	<0.1	<0.05	6	<0.5	<0.2

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Project: WEL
Report Date: September 01, 2018

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1676973	Soil	1.0	22.2	9.9	33	0.1	13.6	6.1	140	2.14	7.0	0.8	1.9	1.7	26	0.1	0.4	0.2	47	0.27	0.025
1676974	Soil	0.7	23.8	16.1	48	<0.1	17.2	9.2	320	2.42	5.3	1.2	1.5	4.9	37	0.2	0.4	0.2	60	0.49	0.056
1676975	Soil	0.8	29.2	15.9	49	0.1	18.3	9.3	300	2.50	6.0	1.5	3.3	4.4	40	0.2	0.4	0.2	56	0.50	0.052
1675429	Soil	0.5	37.1	7.8	18	0.3	12.2	8.3	595	1.02	2.5	0.9	5.3	0.2	62	0.1	0.5	0.1	17	0.49	0.101
1675434	Soil	1.4	25.6	10.2	59	0.6	22.9	13.0	712	2.65	8.5	0.5	1.6	2.1	43	0.3	0.8	0.2	69	0.52	0.054
1675428	Soil	1.0	40.8	12.5	63	0.2	30.3	19.3	1173	2.83	8.1	0.5	4.0	2.8	41	0.1	0.7	0.2	66	0.31	0.041
1675416	Soil	1.4	24.3	9.4	66	0.3	20.6	7.8	405	2.59	9.1	0.4	2.6	2.1	22	0.1	0.7	0.3	82	0.25	0.034
1675413	Soil	0.4	65.1	8.7	52	0.1	32.0	11.7	790	1.98	3.8	0.6	5.1	1.3	61	0.3	0.4	0.3	39	1.98	0.063
1675426	Soil	1.4	29.7	9.4	51	0.3	23.8	12.5	1537	2.51	5.9	0.4	3.5	1.6	29	0.9	0.8	0.2	69	0.24	0.037
1675430	Soil	0.4	32.6	7.9	28	<0.1	11.0	2.9	112	0.89	1.6	0.4	5.3	0.2	22	0.1	0.3	0.2	22	0.20	0.046
1675411	Soil	1.1	30.4	6.7	43	0.1	18.6	9.4	332	2.22	6.7	0.5	1.2	1.5	35	0.2	0.6	0.2	63	0.50	0.020
1675424	Soil	0.7	33.7	7.7	58	<0.1	33.1	11.8	407	2.94	8.9	0.9	5.1	4.1	47	0.1	0.6	0.2	79	0.51	0.039
1675431	Soil	0.4	22.2	10.1	61	<0.1	18.3	9.4	328	2.19	6.1	0.5	6.7	1.9	29	<0.1	0.5	0.2	64	0.37	0.069
1675421	Soil	3.5	43.0	13.1	68	0.3	29.0	15.9	1486	2.94	12.4	0.7	2.0	3.6	29	0.1	0.8	0.2	80	0.25	0.029
1675419	Soil	0.9	39.6	9.4	85	0.4	33.7	13.2	561	2.65	10.5	0.8	6.7	3.4	46	0.1	2.2	0.2	62	0.45	0.064
1675412	Soil	0.5	80.6	9.1	54	0.1	37.3	13.3	1208	2.11	4.0	0.8	6.2	1.6	59	0.3	0.5	0.2	41	1.62	0.075
1675418	Soil	1.6	37.4	8.3	53	0.4	23.4	6.1	323	1.94	8.6	0.5	5.0	1.0	41	<0.1	1.6	0.2	56	0.26	0.041
1675427	Soil	1.6	36.0	10.3	77	0.3	32.0	14.0	753	3.02	9.7	0.5	1.8	2.3	46	0.3	1.2	0.2	78	0.41	0.033
1675422	Soil	3.1	52.9	13.3	38	0.2	16.9	10.6	1003	1.61	7.0	1.1	9.5	2.6	20	<0.1	0.4	0.3	43	0.14	0.028
1675425	Soil	0.8	36.5	8.5	61	<0.1	33.8	12.8	471	2.89	9.5	1.1	5.3	3.9	48	0.2	0.7	0.2	81	0.62	0.038
1675423	Soil	0.5	30.4	7.8	49	0.4	20.1	6.1	372	1.17	2.1	0.8	10.8	0.8	40	0.3	0.4	0.2	21	0.36	0.061
1675414	Soil	0.9	51.7	9.7	50	0.2	24.9	8.9	418	2.27	4.7	0.5	7.5	2.7	27	0.2	0.5	0.3	57	0.26	0.034
1675437	Soil	1.3	20.2	10.2	53	0.1	17.7	15.1	643	2.52	7.0	0.4	1.7	2.8	45	0.1	0.5	0.2	65	0.71	0.048
1675439	Soil	1.2	27.6	10.5	47	<0.1	27.6	12.2	285	3.20	9.4	0.7	3.6	3.5	29	0.1	0.6	0.2	71	0.31	0.035
1675417	Soil	1.6	24.2	8.7	69	0.6	18.6	15.6	1698	2.32	5.0	0.3	2.0	1.4	20	0.3	0.9	0.2	75	0.17	0.036
1675415	Soil	1.7	37.1	9.5	99	0.5	26.5	12.5	2767	2.61	8.3	0.5	3.2	2.2	22	0.4	0.8	0.2	67	0.16	0.045
1675420	Soil	1.7	37.1	8.6	103	0.6	37.9	13.0	2700	3.01	8.5	0.5	2.2	2.0	26	0.2	1.2	0.2	90	0.19	0.026
1675441	Soil	0.9	40.5	18.1	51	0.3	16.0	8.8	799	2.21	4.4	2.2	1.2	3.6	55	0.4	0.3	0.3	43	0.73	0.085
1675433	Soil	1.1	43.5	27.3	93	0.6	28.9	14.4	588	3.02	9.2	2.7	2.7	10.4	77	0.8	1.1	0.3	51	1.08	0.126
1675440	Soil	1.0	17.4	15.4	46	<0.1	16.3	7.3	218	2.27	8.3	0.6	5.0	3.4	27	0.1	0.5	0.2	64	0.33	0.031

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1676973	Soil		16	23	0.30	164	0.056	<1	1.89	0.025	0.06	<0.1	0.03	3.7	<0.1	<0.05	6	<0.5	<0.2
1676974	Soil		34	30	0.56	193	0.102	1	1.91	0.023	0.08	<0.1	0.02	4.8	<0.1	<0.05	6	<0.5	<0.2
1676975	Soil		35	30	0.57	210	0.096	<1	2.16	0.023	0.09	<0.1	0.03	5.2	0.1	<0.05	6	<0.5	<0.2
1675429	Soil		8	15	0.15	555	0.021	3	0.61	0.018	0.04	<0.1	0.15	2.2	<0.1	0.12	2	<0.5	<0.2
1675434	Soil		9	30	0.49	591	0.077	1	1.53	0.029	0.09	<0.1	0.02	3.3	0.2	<0.05	6	<0.5	<0.2
1675428	Soil		13	33	0.64	504	0.068	2	1.84	0.017	0.10	<0.1	0.04	3.8	0.1	<0.05	5	<0.5	<0.2
1675416	Soil		10	28	0.41	509	0.084	2	1.62	0.015	0.06	<0.1	0.02	2.8	0.1	<0.05	7	<0.5	<0.2
1675413	Soil		17	26	0.59	1065	0.029	4	1.16	0.020	0.07	<0.1	0.07	3.5	<0.1	<0.05	4	<0.5	<0.2
1675426	Soil		8	27	0.36	710	0.078	<1	1.47	0.025	0.08	<0.1	0.03	3.1	0.2	<0.05	5	<0.5	<0.2
1675430	Soil		7	14	0.16	291	0.026	2	0.59	0.017	0.06	<0.1	0.06	1.3	<0.1	0.06	3	<0.5	<0.2
1675411	Soil		9	25	0.40	228	0.082	<1	1.26	0.033	0.07	<0.1	0.01	3.3	<0.1	<0.05	5	<0.5	<0.2
1675424	Soil		16	41	0.66	517	0.127	2	1.60	0.043	0.08	<0.1	0.03	6.9	<0.1	<0.05	5	<0.5	<0.2
1675431	Soil		11	30	0.61	246	0.097	1	1.49	0.027	0.07	0.1	0.06	3.7	<0.1	<0.05	5	<0.5	<0.2
1675421	Soil		16	36	0.51	1101	0.056	1	1.98	0.016	0.09	<0.1	0.04	4.5	0.1	<0.05	7	<0.5	<0.2
1675419	Soil		15	31	0.55	815	0.096	2	1.43	0.030	0.07	0.1	0.13	4.2	<0.1	<0.05	4	0.9	<0.2
1675412	Soil		20	29	0.71	919	0.040	3	1.49	0.026	0.07	<0.1	0.09	4.3	<0.1	<0.05	4	0.6	<0.2
1675418	Soil		12	19	0.24	468	0.051	1	0.90	0.017	0.05	<0.1	0.05	2.1	<0.1	<0.05	4	<0.5	<0.2
1675427	Soil		10	40	0.48	799	0.096	<1	1.66	0.021	0.11	<0.1	0.04	3.5	0.2	<0.05	6	<0.5	<0.2
1675422	Soil		17	20	0.25	527	0.038	1	1.27	0.018	0.06	<0.1	0.06	2.9	0.1	<0.05	5	<0.5	<0.2
1675425	Soil		17	44	0.74	550	0.129	2	1.79	0.045	0.10	0.1	0.04	7.7	0.1	<0.05	5	<0.5	<0.2
1675423	Soil		11	19	0.29	413	0.041	1	0.95	0.021	0.06	<0.1	0.11	3.3	0.2	0.06	3	0.7	<0.2
1675414	Soil		15	25	0.37	1027	0.045	2	1.40	0.015	0.08	<0.1	0.04	3.4	0.1	<0.05	5	<0.5	<0.2
1675437	Soil		12	28	0.44	198	0.090	1	1.73	0.036	0.09	0.1	0.01	3.4	0.1	<0.05	6	<0.5	<0.2
1675439	Soil		14	38	0.55	225	0.091	<1	2.44	0.019	0.06	<0.1	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
1675417	Soil		7	23	0.23	463	0.068	<1	1.08	0.020	0.06	<0.1	0.03	2.3	0.1	<0.05	7	<0.5	<0.2
1675415	Soil		13	27	0.32	546	0.066	<1	1.18	0.016	0.11	<0.1	0.03	2.7	0.1	<0.05	5	0.6	<0.2
1675420	Soil		9	36	0.43	410	0.075	<1	2.05	0.021	0.06	<0.1	0.04	4.2	0.1	<0.05	7	0.9	<0.2
1675441	Soil		36	27	0.41	218	0.064	1	1.97	0.029	0.12	<0.1	0.06	4.8	0.1	<0.05	7	<0.5	<0.2
1675433	Soil		85	28	0.59	1006	0.056	2	2.08	0.022	0.11	0.1	0.06	6.7	0.2	<0.05	6	1.0	<0.2
1675440	Soil		15	27	0.46	194	0.086	<1	1.72	0.019	0.06	<0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1675432	Soil	0.5	25.9	8.5	57	<0.1	17.2	10.2	568	2.36	4.0	0.9	2.8	2.6	64	0.2	0.4	0.1	52	1.23	0.087
1675436	Soil	1.2	68.2	10.8	87	0.4	39.3	16.8	2350	3.02	6.7	1.2	2.3	4.0	83	1.1	0.5	0.2	65	1.41	0.104
1675442	Soil	0.7	17.5	12.3	42	<0.1	10.9	5.4	180	2.01	3.5	1.2	0.9	2.5	29	0.2	0.2	0.2	45	0.38	0.065
1675435	Soil	0.8	22.5	10.6	59	0.1	22.2	9.7	468	3.12	9.1	0.6	2.3	3.5	48	0.2	0.5	0.2	74	0.72	0.058
1675438	Soil	1.4	25.0	10.7	71	<0.1	32.7	14.9	504	3.63	11.4	0.5	1.9	3.4	32	0.2	0.7	0.2	86	0.42	0.059
1675457	Soil	0.8	21.8	7.4	82	0.1	22.8	11.8	1565	2.57	4.7	0.3	1.0	1.5	28	0.2	0.6	0.2	66	0.30	0.027
1675449	Soil	0.7	38.6	10.4	66	0.3	25.4	11.9	720	2.65	6.6	1.4	7.0	1.9	51	0.5	0.5	0.2	58	0.86	0.081
1675454	Soil	1.7	38.9	9.3	66	0.3	30.5	11.8	479	3.15	25.2	0.8	11.0	1.6	37	0.3	2.0	0.2	96	0.48	0.054
1675453	Soil	1.3	14.6	8.3	41	0.2	12.8	7.9	316	2.60	8.7	0.3	0.8	1.4	17	0.1	0.5	0.2	72	0.19	0.035
1675451	Soil	0.8	21.3	8.7	48	0.2	13.9	6.4	269	2.05	9.6	0.6	3.4	1.4	43	0.2	0.6	0.1	48	0.87	0.037
1675452	Soil	1.3	15.5	9.8	53	0.1	13.2	9.1	860	2.68	12.2	0.4	3.0	1.6	24	0.1	0.6	0.2	70	0.28	0.035
1675450	Soil	0.8	39.4	8.1	56	0.3	25.5	11.0	832	2.19	5.4	1.7	2.2	1.0	66	0.6	0.6	0.1	47	1.11	0.098
1675455	Soil	1.4	27.9	9.5	57	0.2	26.9	11.9	342	3.56	11.8	0.4	4.0	1.9	18	0.1	0.7	0.3	96	0.23	0.028
1675460	Soil	1.0	33.1	9.6	57	<0.1	38.7	16.2	921	3.46	10.4	0.6	2.9	3.2	35	<0.1	0.7	0.2	96	0.44	0.018
1675456	Soil	1.5	25.3	8.4	50	0.1	21.6	12.6	1732	2.86	9.0	0.4	2.0	1.6	25	0.2	0.6	0.2	78	0.28	0.037
1675447	Soil	1.1	24.8	10.3	56	0.1	24.6	10.0	316	2.97	10.4	0.5	1.4	2.7	25	0.2	0.6	0.2	84	0.34	0.034
1675446	Soil	0.7	34.1	7.2	46	0.2	27.1	11.5	361	2.44	6.5	0.6	4.2	2.2	28	0.2	0.5	0.2	74	0.39	0.041
1675448	Soil	1.0	38.1	8.1	48	0.3	20.2	10.6	731	1.89	5.8	1.0	1.5	1.0	37	0.5	0.4	0.2	48	0.64	0.090
1675445	Soil	0.5	26.4	7.3	49	<0.1	24.4	9.4	311	2.66	8.7	0.5	5.5	2.6	30	<0.1	0.4	0.1	82	0.51	0.053
1675458	Soil	1.0	31.4	8.6	62	<0.1	27.7	12.7	602	3.04	7.9	0.3	3.2	1.7	29	0.2	0.5	0.2	82	0.43	0.033
1675476	Soil	0.7	29.8	6.9	56	<0.1	23.3	10.7	335	2.65	8.6	0.8	9.3	2.4	45	0.2	0.5	0.1	76	0.73	0.077
1675477	Soil	0.5	33.1	4.5	48	<0.1	25.9	10.9	411	2.43	6.3	0.4	4.3	2.1	73	0.2	0.4	<0.1	75	2.31	0.079
1675474	Soil	0.5	32.1	5.1	49	<0.1	24.8	11.2	344	2.51	6.3	0.8	2.6	2.3	46	<0.1	0.5	<0.1	81	0.82	0.078
1675473	Soil	0.4	32.0	5.4	55	<0.1	23.6	10.6	295	2.63	6.4	0.7	3.3	2.2	48	<0.1	0.5	0.1	77	0.79	0.066
1675475	Soil	0.6	35.6	5.4	51	<0.1	24.7	11.4	335	2.70	6.9	0.9	4.8	2.3	46	<0.1	0.5	<0.1	86	0.84	0.084
1675472	Soil	0.7	20.5	2.3	15	<0.1	9.2	2.7	374	0.70	4.9	1.7	1.2	0.1	144	0.2	0.5	0.1	16	3.57	0.102
1675470	Soil	0.8	60.0	9.0	54	0.1	34.6	14.9	618	3.21	37.6	1.0	23.6	2.9	47	<0.1	0.8	0.2	86	0.84	0.043
1675471	Soil	0.6	50.5	6.0	35	0.1	29.3	11.7	709	1.91	14.7	2.0	6.0	0.8	88	0.3	0.8	0.2	48	1.96	0.061
1675468	Soil	1.0	39.3	8.6	54	<0.1	34.4	14.7	524	3.32	18.8	0.6	4.2	3.2	35	0.1	0.7	0.2	97	0.62	0.021
1675467	Soil	1.7	69.9	8.6	70	0.2	36.7	15.1	546	3.48	58.0	0.6	20.0	3.0	41	0.2	1.3	0.1	87	0.75	0.036

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Project: WEL
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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1675432	Soil		18	27	0.58	296	0.097	2	1.62	0.032	0.07	0.1	0.05	5.0	0.1	<0.05	5	0.5	<0.2
1675436	Soil		46	33	0.58	418	0.092	4	2.06	0.036	0.11	<0.1	0.02	6.4	0.1	<0.05	6	<0.5	<0.2
1675442	Soil		26	21	0.42	163	0.077	<1	1.44	0.022	0.08	<0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
1675435	Soil		15	37	0.68	642	0.115	<1	2.03	0.025	0.09	0.1	0.01	4.6	0.1	<0.05	7	<0.5	<0.2
1675438	Soil		11	48	0.73	224	0.101	1	2.75	0.020	0.12	0.1	0.01	4.5	0.1	<0.05	8	<0.5	<0.2
1675457	Soil		6	29	0.37	661	0.089	<1	1.48	0.037	0.08	<0.1	0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
1675449	Soil		48	31	0.53	540	0.057	1	1.71	0.030	0.06	<0.1	0.05	6.5	0.2	<0.05	6	0.6	<0.2
1675454	Soil		12	42	0.55	759	0.089	<1	2.41	0.019	0.08	<0.1	0.03	5.1	0.2	<0.05	8	<0.5	<0.2
1675453	Soil		8	25	0.28	113	0.085	<1	1.32	0.022	0.06	<0.1	0.02	2.4	<0.1	<0.05	7	<0.5	<0.2
1675451	Soil		17	21	0.33	272	0.054	2	1.20	0.029	0.07	<0.1	0.03	2.8	0.1	<0.05	5	<0.5	<0.2
1675452	Soil		10	22	0.36	179	0.078	<1	1.32	0.020	0.09	<0.1	0.02	3.1	0.2	<0.05	6	<0.5	<0.2
1675450	Soil		61	27	0.44	600	0.041	1	1.65	0.034	0.05	<0.1	0.08	5.7	0.2	0.06	5	0.9	<0.2
1675455	Soil		7	43	0.53	382	0.098	2	2.37	0.017	0.03	<0.1	0.02	3.8	<0.1	<0.05	8	<0.5	<0.2
1675460	Soil		12	58	0.63	268	0.112	2	2.34	0.018	0.05	<0.1	0.03	8.8	<0.1	<0.05	7	<0.5	<0.2
1675456	Soil		7	33	0.39	637	0.081	1	1.80	0.020	0.03	<0.1	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1675447	Soil		11	38	0.61	229	0.090	1	1.99	0.015	0.06	<0.1	0.03	4.1	0.1	<0.05	7	<0.5	<0.2
1675446	Soil		10	37	0.52	245	0.097	2	1.90	0.023	0.04	0.1	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
1675448	Soil		25	25	0.33	367	0.045	2	1.41	0.023	0.05	<0.1	0.06	4.1	0.1	<0.05	4	<0.5	<0.2
1675445	Soil		11	37	0.65	187	0.110	2	1.64	0.027	0.04	0.1	0.01	4.1	<0.1	<0.05	5	<0.5	<0.2
1675458	Soil		7	39	0.58	590	0.089	2	2.05	0.018	0.09	<0.1	<0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
1675476	Soil		13	36	0.65	240	0.112	3	1.59	0.040	0.06	0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
1675477	Soil		11	32	0.84	118	0.104	4	1.24	0.052	0.07	0.1	0.01	4.2	<0.1	<0.05	4	<0.5	<0.2
1675474	Soil		13	33	0.64	219	0.122	2	1.43	0.048	0.05	0.1	0.03	4.9	<0.1	<0.05	4	<0.5	<0.2
1675473	Soil		12	32	0.65	232	0.117	2	1.49	0.051	0.04	<0.1	0.03	4.9	<0.1	<0.05	4	<0.5	<0.2
1675475	Soil		13	34	0.63	214	0.118	2	1.44	0.045	0.05	0.2	0.02	4.7	<0.1	<0.05	4	<0.5	<0.2
1675472	Soil		3	8	0.30	231	0.018	11	0.39	0.019	0.02	<0.1	0.03	0.7	<0.1	0.22	1	<0.5	<0.2
1675470	Soil		14	42	0.66	361	0.113	2	1.80	0.037	0.06	0.1	0.02	7.8	<0.1	<0.05	6	<0.5	<0.2
1675471	Soil		11	27	0.44	353	0.055	3	1.38	0.034	0.03	<0.1	0.05	4.2	<0.1	0.06	4	0.8	<0.2
1675468	Soil		12	48	0.69	196	0.131	2	2.03	0.032	0.08	<0.1	0.02	8.6	<0.1	<0.05	6	<0.5	<0.2
1675467	Soil		13	37	0.77	191	0.098	2	1.64	0.041	0.06	0.2	0.06	8.1	<0.1	<0.05	5	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1675462	Soil	1.9	25.7	9.8	63	0.3	36.6	17.0	779	3.30	19.5	0.4	1.4	2.4	29	0.2	0.7	0.4	84	0.35	0.030
1675465	Soil	1.4	91.7	31.1	114	0.4	53.3	26.9	530	5.17	86.9	0.8	27.8	3.2	28	0.2	1.1	0.3	136	0.68	0.025
1675469	Soil	0.9	38.0	7.7	53	<0.1	29.8	14.4	539	3.04	21.3	0.8	5.3	2.8	39	0.1	0.6	0.1	79	0.72	0.038
1675461	Soil	1.2	31.4	9.4	82	0.1	33.3	16.6	1076	3.46	8.5	0.5	3.2	2.0	26	0.1	0.7	0.2	93	0.30	0.027
1675464	Soil	1.3	66.4	14.0	80	0.2	44.5	24.6	724	3.88	25.9	0.8	6.5	3.3	35	0.2	0.6	0.2	100	0.73	0.051
1675463	Soil	1.8	23.0	10.2	128	0.5	34.6	17.3	924	3.49	15.6	0.7	4.5	3.1	51	0.6	0.7	0.2	87	0.77	0.073
1675249	Soil	0.6	48.2	6.6	62	<0.1	29.7	12.3	328	2.80	8.6	0.8	5.9	2.4	51	0.2	0.7	0.1	84	0.91	0.075
1675241	Soil	0.5	51.1	6.6	68	<0.1	30.8	14.2	478	3.26	8.4	0.6	4.3	2.2	54	0.2	0.6	0.2	81	1.14	0.077
1675466	Soil	1.2	35.2	9.3	56	0.3	37.4	20.0	663	3.97	18.3	0.6	2.5	3.1	32	<0.1	0.6	0.2	110	0.58	0.016
1675238	Soil	1.6	37.3	14.7	82	<0.1	36.3	18.1	991	3.66	11.9	0.6	<0.5	2.6	32	0.1	0.8	0.2	91	0.40	0.043
1675240	Soil	1.1	68.6	8.7	54	0.3	22.8	8.0	721	1.99	11.5	1.5	8.9	0.9	98	0.2	1.5	0.2	50	1.45	0.094
1675246	Soil	0.4	45.1	6.1	54	<0.1	30.0	13.2	523	2.98	9.7	0.4	4.6	2.5	50	0.1	0.5	0.1	88	0.97	0.063
1675226	Soil	0.7	28.7	17.9	52	<0.1	26.4	10.2	293	2.71	12.8	1.0	2.0	6.2	24	0.1	1.2	0.2	62	0.33	0.062
1675227	Soil	1.2	21.3	21.2	67	<0.1	25.1	12.0	576	3.03	10.5	0.6	1.1	3.5	20	0.2	0.8	0.2	81	0.24	0.041
1675228	Soil	1.4	26.6	11.5	83	0.2	29.7	16.1	664	4.08	10.8	0.5	2.8	2.4	25	0.2	0.8	0.2	94	0.34	0.046
1675230	Soil	0.7	26.8	10.8	59	<0.1	24.7	10.6	519	3.28	10.2	0.6	2.5	3.9	35	0.1	0.7	0.1	73	0.47	0.030
1675229	Soil	0.9	27.1	13.1	57	<0.1	22.4	10.3	541	3.35	10.6	0.6	1.6	3.9	25	0.1	0.7	0.2	70	0.31	0.030
1675233	Soil	0.9	23.8	8.4	55	0.1	24.2	10.1	232	3.12	22.4	0.6	1.1	2.7	44	0.1	1.8	0.1	81	0.31	0.062
1675231	Soil	1.1	25.8	9.6	59	0.1	18.7	11.4	813	2.93	7.1	0.7	0.8	2.9	37	0.2	0.6	0.2	63	0.57	0.043
1675232	Soil	0.7	24.2	10.9	62	0.1	20.7	9.7	498	3.06	18.6	0.7	2.8	4.1	32	<0.1	1.0	0.2	55	0.50	0.034
1675234	Soil	0.7	25.6	7.0	46	0.1	25.9	11.0	411	2.72	11.4	0.6	4.9	2.7	38	0.1	1.1	0.2	72	0.48	0.051
1675235	Soil	0.8	40.3	15.8	63	0.1	30.6	14.9	597	3.44	13.6	0.7	3.7	3.1	39	0.1	0.9	0.2	79	0.47	0.032
1675245	Soil	0.5	37.7	5.7	56	<0.1	28.0	12.7	502	2.68	8.0	0.7	1.7	2.4	51	0.2	0.5	0.1	74	0.91	0.062
1675244	Soil	0.6	40.4	6.5	59	<0.1	29.9	13.3	436	2.70	8.5	0.9	6.2	2.3	48	0.3	0.7	0.1	69	0.97	0.063
1679507	Soil	0.7	32.6	7.0	67	<0.1	25.2	10.0	351	2.92	9.6	0.7	4.6	2.1	53	0.1	0.4	0.1	68	0.96	0.071
1679505	Soil	0.5	30.6	5.8	60	<0.1	26.1	12.9	482	2.64	7.4	0.6	3.8	2.1	48	0.1	0.5	0.1	72	0.81	0.072
1675243	Soil	1.4	55.0	9.1	82	0.4	34.6	12.1	454	2.90	15.5	0.9	6.6	2.4	45	0.7	1.0	0.2	68	0.64	0.073
1679506	Soil	0.5	34.5	5.5	52	<0.1	25.4	10.1	288	2.52	6.9	0.6	4.0	2.1	47	0.1	0.4	0.1	67	0.81	0.068
1679504	Soil	0.6	29.7	5.1	54	<0.1	23.0	10.3	441	2.31	8.0	0.5	2.3	1.6	45	0.3	0.5	<0.1	65	1.01	0.065
1679502	Soil	0.4	38.2	5.9	59	<0.1	26.6	12.7	387	2.71	9.5	0.7	2.3	2.2	47	0.2	0.5	<0.1	75	0.86	0.070

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1675462	Soil	10	44	0.57	367	0.091	2	2.28	0.023	0.05	<0.1	0.02	5.0	<0.1	<0.05	6	<0.5	<0.2
1675465	Soil	15	78	0.94	131	0.123	2	3.43	0.018	0.08	0.1	0.04	17.1	<0.1	<0.05	9	<0.5	<0.2
1675469	Soil	13	36	0.67	219	0.126	2	1.91	0.048	0.08	0.1	0.02	6.6	<0.1	<0.05	5	<0.5	<0.2
1675461	Soil	9	42	0.54	429	0.092	2	2.20	0.022	0.05	<0.1	0.02	4.4	0.1	<0.05	7	<0.5	<0.2
1675464	Soil	14	50	0.86	188	0.133	2	2.35	0.032	0.09	0.1	0.03	9.6	<0.1	<0.05	7	<0.5	<0.2
1675463	Soil	13	44	0.63	349	0.091	3	2.39	0.034	0.12	<0.1	0.01	5.9	<0.1	<0.05	7	<0.5	<0.2
1675249	Soil	13	33	0.66	226	0.121	3	1.52	0.049	0.05	<0.1	0.02	6.0	<0.1	<0.05	5	<0.5	<0.2
1675241	Soil	13	36	0.76	214	0.127	4	1.54	0.057	0.05	<0.1	0.02	5.7	<0.1	<0.05	5	<0.5	<0.2
1675466	Soil	13	54	0.63	238	0.117	2	2.51	0.028	0.05	<0.1	0.02	9.3	<0.1	<0.05	8	<0.5	<0.2
1675238	Soil	12	45	0.61	475	0.078	2	2.58	0.021	0.09	<0.1	0.01	5.6	0.1	<0.05	8	<0.5	<0.2
1675240	Soil	32	26	0.42	1137	0.054	4	1.43	0.023	0.08	<0.1	0.11	4.9	0.1	0.06	4	0.9	<0.2
1675246	Soil	13	33	0.73	181	0.122	3	1.59	0.055	0.06	0.1	0.02	5.3	<0.1	<0.05	5	<0.5	<0.2
1675226	Soil	25	30	0.54	252	0.057	1	1.81	0.014	0.08	<0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
1675227	Soil	12	34	0.60	205	0.070	1	2.29	0.015	0.06	<0.1	0.01	3.6	0.1	<0.05	7	<0.5	<0.2
1675228	Soil	10	38	0.66	236	0.085	1	2.24	0.019	0.09	<0.1	0.01	3.2	0.1	<0.05	8	<0.5	<0.2
1675230	Soil	22	37	0.63	284	0.100	2	1.87	0.019	0.09	0.1	0.02	6.3	<0.1	<0.05	6	<0.5	<0.2
1675229	Soil	22	32	0.63	310	0.070	1	2.27	0.015	0.08	0.1	0.02	4.9	0.1	<0.05	6	<0.5	<0.2
1675233	Soil	12	37	0.62	214	0.093	1	2.08	0.019	0.09	<0.1	0.01	4.4	0.3	<0.05	6	<0.5	<0.2
1675231	Soil	25	30	0.51	350	0.067	2	1.84	0.022	0.08	0.1	0.03	5.2	0.1	<0.05	5	<0.5	<0.2
1675232	Soil	22	30	0.57	374	0.077	2	1.73	0.023	0.11	0.1	0.01	5.8	0.1	<0.05	5	<0.5	<0.2
1675234	Soil	10	36	0.57	342	0.096	2	1.62	0.033	0.07	0.1	0.03	5.2	0.1	<0.05	5	<0.5	<0.2
1675235	Soil	13	44	0.72	770	0.099	1	2.02	0.024	0.10	<0.1	0.02	7.8	<0.1	<0.05	6	<0.5	<0.2
1675245	Soil	12	34	0.63	196	0.110	2	1.54	0.048	0.05	0.1	0.03	5.4	<0.1	<0.05	5	0.6	<0.2
1675244	Soil	13	34	0.66	238	0.104	2	1.58	0.041	0.05	0.1	0.04	5.4	<0.1	<0.05	5	0.6	<0.2
1679507	Soil	11	38	0.73	155	0.113	3	1.74	0.050	0.07	<0.1	0.03	6.6	<0.1	<0.05	5	<0.5	<0.2
1679505	Soil	11	33	0.63	173	0.109	3	1.57	0.046	0.05	0.1	0.03	5.3	<0.1	<0.05	5	<0.5	<0.2
1675243	Soil	15	37	0.63	337	0.092	1	1.73	0.038	0.05	0.1	0.04	7.4	<0.1	<0.05	5	0.7	<0.2
1679506	Soil	11	32	0.57	143	0.112	2	1.32	0.047	0.05	0.1	0.02	5.1	<0.1	<0.05	4	<0.5	<0.2
1679504	Soil	10	30	0.55	157	0.094	2	1.30	0.039	0.04	0.1	0.03	4.6	<0.1	<0.05	4	<0.5	<0.2
1679502	Soil	12	35	0.61	175	0.113	2	1.32	0.045	0.06	<0.1	0.02	5.4	<0.1	<0.05	4	<0.5	<0.2

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Project: WEL
Report Date: September 01, 2018

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1675236	Soil		1.0	52.8	10.4	65	0.2	35.2	15.0	449	3.53	10.2	0.6	1.4	3.0	33	0.1	0.8	0.2	83	0.29	0.023
1675237	Soil		0.7	33.6	9.4	58	<0.1	31.3	12.8	332	3.17	8.5	0.7	<0.5	2.7	31	0.1	0.6	0.2	72	0.39	0.031
1675239	Soil		1.0	82.0	12.2	89	0.2	35.4	16.3	1537	3.12	8.8	0.6	1.7	2.3	57	0.3	0.8	0.2	64	0.86	0.037
1679501	Soil		0.8	31.8	5.8	58	<0.1	25.8	13.0	838	2.54	8.1	0.6	2.8	1.8	54	0.3	0.5	0.1	65	1.01	0.075
1675248	Soil		0.9	46.2	6.5	65	0.1	30.4	16.7	839	3.09	9.6	1.8	5.6	2.2	66	0.3	0.6	0.1	78	1.17	0.083
1675247	Soil		0.5	40.4	5.6	53	<0.1	30.7	12.9	509	2.70	7.7	0.5	3.5	2.5	76	0.2	0.5	<0.1	73	2.35	0.072
1675242	Soil		1.6	44.1	8.4	54	0.1	26.6	10.1	634	2.22	9.5	0.8	7.1	1.6	51	0.2	0.9	0.1	51	0.64	0.070
1679503	Soil		0.4	31.3	5.4	55	<0.1	24.5	11.1	236	2.33	8.1	0.5	5.4	2.0	43	0.1	0.5	<0.1	76	0.84	0.059
1675250	Soil		0.6	47.7	6.8	62	<0.1	31.1	14.4	346	3.05	8.0	0.7	5.2	2.5	53	0.2	0.7	0.1	76	0.85	0.073
1677998	Soil		0.6	41.2	6.1	56	<0.1	31.7	13.4	457	2.67	7.4	1.1	5.9	2.8	51	0.2	0.5	0.1	72	0.89	0.074
1677986	Soil		0.7	67.4	7.6	61	<0.1	56.1	21.8	822	3.20	8.5	0.6	4.0	3.1	39	0.1	0.7	0.1	76	0.79	0.047
1677987	Soil		1.0	47.6	10.3	67	0.1	37.9	14.5	2189	3.00	7.9	0.5	1.3	2.9	35	0.5	0.7	0.2	63	0.56	0.065
1677514	Soil		0.8	15.7	11.7	35	0.1	11.2	6.4	239	1.84	5.0	0.7	10.0	3.2	23	<0.1	0.3	0.2	42	0.24	0.055
1677994	Soil		0.5	42.8	6.1	60	<0.1	31.2	12.1	440	2.76	8.2	0.6	3.7	2.9	52	0.2	0.6	0.1	68	0.99	0.080
1677988	Soil		1.3	34.2	8.0	50	0.2	32.3	14.4	1207	3.07	8.9	0.5	1.3	2.6	30	<0.1	0.7	0.2	78	0.31	0.026
1677991	Soil		1.7	26.4	8.4	42	0.4	18.5	5.9	139	2.40	10.5	0.5	5.8	1.8	22	0.1	1.3	0.2	64	0.16	0.042
1677985	Soil		0.7	50.9	7.2	50	<0.1	47.9	20.0	569	2.83	9.3	0.5	3.4	2.1	30	0.1	0.5	0.1	79	0.64	0.023
1677990	Soil		1.9	31.9	9.0	50	0.1	22.9	6.6	191	2.07	18.3	0.4	3.6	2.5	22	0.1	3.9	0.2	49	0.17	0.039
1677999	Soil		0.6	32.2	5.9	55	<0.1	25.7	11.5	404	2.63	7.6	0.8	7.7	2.6	52	0.1	0.5	0.1	66	1.04	0.075
1677989	Soil		1.2	25.7	8.2	66	0.3	21.8	10.7	1534	2.42	8.4	0.3	1.3	1.6	22	0.2	0.8	0.2	65	0.27	0.055
1677984	Soil		1.2	27.0	9.4	47	<0.1	26.1	14.7	489	3.09	7.1	0.4	1.6	2.2	29	0.2	0.6	0.1	74	0.38	0.025
1677507	Soil		0.9	19.2	8.9	43	<0.1	18.2	8.7	258	2.49	6.2	0.5	0.8	2.4	34	0.2	0.5	0.1	63	0.48	0.037
1677505	Soil		0.9	45.9	11.6	72	0.1	29.6	11.4	482	3.19	9.5	1.2	2.4	5.2	54	0.3	0.8	0.2	65	0.62	0.054
1677512	Soil		1.1	20.2	10.3	126	<0.1	19.7	13.9	1343	2.91	7.2	0.4	1.4	2.2	32	0.3	0.6	0.2	67	0.42	0.041
1677513	Soil		1.4	22.8	12.3	101	0.1	20.7	12.5	1220	3.10	7.4	1.1	0.7	4.0	43	0.2	0.5	0.3	66	0.56	0.050
1677501	Soil		0.4	31.9	5.2	66	<0.1	27.9	10.6	295	2.20	4.7	0.6	2.6	2.3	45	0.2	0.4	0.1	61	0.90	0.076
1678000	Soil		0.5	29.3	5.5	55	<0.1	27.7	12.0	506	2.53	7.3	0.8	2.9	2.3	53	0.2	0.4	0.1	66	1.02	0.071
1677510	Soil		0.8	19.4	7.8	40	<0.1	16.8	9.1	837	2.13	4.5	0.6	<0.5	1.0	38	0.2	0.4	0.2	46	0.66	0.057
1677504	Soil		0.8	49.9	6.6	56	0.1	35.7	10.8	395	2.60	5.5	1.6	4.3	2.4	62	0.3	0.6	0.1	55	1.00	0.088
1677996	Soil		0.7	38.0	5.6	56	<0.1	31.4	11.3	500	2.72	7.0	0.6	2.2	2.3	48	0.2	0.4	0.1	70	0.87	0.086

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1675236	Soil		9	47	0.66	1299	0.092	1	2.11	0.017	0.09	<0.1	0.02	6.2	<0.1	<0.05	6	<0.5	<0.2
1675237	Soil		13	41	0.63	784	0.086	1	1.92	0.021	0.09	<0.1	0.02	6.1	<0.1	<0.05	6	<0.5	<0.2
1675239	Soil		12	33	0.53	596	0.074	3	1.80	0.032	0.15	<0.1	0.02	6.5	<0.1	<0.05	5	<0.5	<0.2
1679501	Soil		11	31	0.62	187	0.098	3	1.51	0.048	0.06	<0.1	0.04	5.3	<0.1	<0.05	4	<0.5	<0.2
1675248	Soil		14	37	0.65	241	0.101	2	1.79	0.050	0.05	<0.1	0.04	6.6	<0.1	<0.05	5	0.9	<0.2
1675247	Soil		11	34	0.80	142	0.114	2	1.41	0.058	0.07	0.1	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
1675242	Soil		11	30	0.46	581	0.077	2	1.52	0.029	0.06	0.1	0.06	5.3	<0.1	<0.05	4	<0.5	<0.2
1679503	Soil		11	33	0.58	147	0.110	2	1.32	0.042	0.05	<0.1	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
1675250	Soil		13	35	0.71	232	0.118	2	1.55	0.052	0.05	0.1	0.02	6.1	<0.1	<0.05	5	0.5	<0.2
1677998	Soil		14	33	0.64	264	0.109	2	1.49	0.046	0.06	0.1	0.02	5.0	<0.1	<0.05	5	0.6	<0.2
1677986	Soil		18	67	0.80	900	0.124	2	2.03	0.026	0.06	0.1	0.06	8.3	<0.1	<0.05	6	<0.5	<0.2
1677987	Soil		13	35	0.57	1732	0.061	2	1.95	0.024	0.07	<0.1	0.03	5.6	<0.1	<0.05	6	<0.5	<0.2
1677514	Soil		14	19	0.26	222	0.042	<1	1.27	0.015	0.10	<0.1	0.01	2.5	0.1	<0.05	5	<0.5	<0.2
1677994	Soil		14	33	0.72	299	0.109	2	1.57	0.044	0.06	0.2	0.02	5.2	<0.1	<0.05	4	<0.5	<0.2
1677988	Soil		10	44	0.55	820	0.088	<1	2.10	0.019	0.04	0.1	0.02	4.9	<0.1	<0.05	6	<0.5	<0.2
1677991	Soil		11	28	0.29	435	0.074	1	1.23	0.017	0.06	<0.1	0.07	2.9	<0.1	<0.05	6	0.8	<0.2
1677985	Soil		15	59	0.68	541	0.100	1	1.82	0.029	0.06	0.1	0.03	5.9	<0.1	<0.05	6	<0.5	<0.2
1677990	Soil		14	19	0.21	384	0.049	<1	0.92	0.012	0.05	<0.1	0.02	2.2	<0.1	<0.05	4	1.2	<0.2
1677999	Soil		12	33	0.65	191	0.104	2	1.49	0.046	0.06	0.2	0.02	5.0	<0.1	<0.05	4	<0.5	<0.2
1677989	Soil		7	29	0.30	519	0.064	<1	1.44	0.020	0.07	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
1677984	Soil		8	39	0.54	339	0.095	<1	1.80	0.021	0.07	<0.1	0.01	5.0	<0.1	<0.05	6	<0.5	<0.2
1677507	Soil		12	29	0.54	353	0.088	<1	1.64	0.022	0.07	0.1	0.01	4.1	<0.1	<0.05	6	<0.5	<0.2
1677505	Soil		24	36	0.68	969	0.085	<1	1.98	0.032	0.08	<0.1	0.04	6.1	0.1	<0.05	6	<0.5	<0.2
1677512	Soil		10	29	0.42	316	0.073	<1	1.59	0.020	0.07	<0.1	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
1677513	Soil		26	36	0.55	367	0.082	3	1.86	0.026	0.08	0.1	<0.01	5.5	0.1	<0.05	7	<0.5	<0.2
1677501	Soil		11	33	0.68	184	0.110	4	1.43	0.050	0.06	0.2	0.02	4.8	<0.1	<0.05	4	<0.5	<0.2
1678000	Soil		11	32	0.75	208	0.101	3	1.66	0.051	0.06	0.1	0.03	4.5	<0.1	<0.05	5	<0.5	<0.2
1677510	Soil		15	25	0.41	165	0.051	4	1.46	0.031	0.08	<0.1	0.03	3.6	<0.1	<0.05	5	<0.5	<0.2
1677504	Soil		13	31	0.62	594	0.091	4	1.48	0.046	0.07	0.1	0.09	5.7	<0.1	<0.05	5	0.8	<0.2
1677996	Soil		11	35	0.62	261	0.110	4	1.55	0.046	0.06	0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1677997	Soil	0.6	22.6	6.1	53	0.1	18.0	7.2	228	1.70	4.9	0.5	1.2	1.3	26	0.1	0.4	0.1	59	0.36	0.048
1677503	Soil	0.4	30.0	5.2	59	<0.1	26.6	10.1	486	2.27	5.3	1.1	1.0	2.2	59	0.2	0.4	0.3	64	1.04	0.085
1677506	Soil	1.2	30.6	8.7	76	0.2	27.3	12.4	1088	2.92	6.5	0.9	1.9	2.2	59	0.8	0.5	0.2	65	0.85	0.094
1677515	Soil	0.7	11.5	19.4	59	<0.1	14.3	8.8	410	2.51	4.6	0.7	0.7	7.3	19	<0.1	0.3	0.3	49	0.34	0.071
1677511	Soil	0.9	24.2	17.1	49	<0.1	24.5	11.2	350	3.51	10.9	1.3	4.6	6.6	29	<0.1	0.5	0.2	69	0.42	0.048
1677995	Soil	0.5	38.2	5.4	51	<0.1	30.3	12.2	628	2.67	6.5	0.7	3.6	2.3	48	0.2	0.5	0.1	64	0.87	0.067
1677509	Soil	0.8	22.8	8.3	55	<0.1	27.5	12.7	463	3.42	8.9	0.6	<0.5	4.1	34	0.1	0.4	0.2	82	0.54	0.033
1677992	Soil	0.8	28.3	6.3	51	0.6	18.4	5.5	225	1.63	5.8	0.8	4.2	0.9	48	0.2	0.9	0.1	36	0.53	0.063
1677508	Soil	0.7	27.2	9.5	51	<0.1	24.5	11.4	784	2.84	5.9	0.6	4.9	3.9	50	0.3	0.4	0.2	65	0.93	0.058
1677502	Soil	0.5	30.4	5.9	60	<0.1	28.5	10.9	373	2.40	6.2	0.7	1.9	2.9	45	<0.1	0.5	0.1	76	0.80	0.096
1677993	Soil	0.9	21.6	6.4	57	0.2	20.8	6.1	187	2.33	7.5	0.5	1.3	1.5	29	0.2	0.7	0.1	67	0.40	0.057
1679361	Soil	0.4	25.8	4.7	51	<0.1	24.7	10.6	351	2.65	5.5	0.5	2.0	2.0	40	<0.1	0.3	<0.1	83	0.76	0.091
1679353	Soil	1.5	33.8	10.4	59	0.2	41.7	18.2	1069	3.64	30.8	0.6	4.8	2.5	35	0.1	0.6	0.1	96	0.65	0.020
1679354	Soil	0.7	40.5	5.3	40	0.1	25.9	12.0	564	2.12	23.6	3.3	7.8	0.9	75	0.3	0.8	0.1	56	2.04	0.067
1679357	Soil	0.5	31.1	5.1	58	<0.1	26.1	10.9	333	2.85	4.9	0.6	1.5	1.9	51	<0.1	0.4	<0.1	75	0.93	0.082
1679355	Soil	0.8	32.6	6.1	57	<0.1	27.1	13.9	378	2.79	11.7	1.3	3.7	2.3	51	<0.1	0.6	0.1	81	1.05	0.081
1679358	Soil	0.4	28.9	4.9	51	<0.1	23.8	8.6	254	2.07	3.9	0.6	2.0	1.9	50	<0.1	0.4	<0.1	74	0.89	0.086
1679359	Soil	0.9	26.8	5.4	55	<0.1	28.5	10.6	374	2.70	6.1	0.8	0.8	2.0	41	0.1	0.4	<0.1	82	0.78	0.081
1679356	Soil	0.5	27.5	4.9	49	<0.1	23.0	9.9	237	2.23	5.3	0.6	5.7	1.7	41	0.2	0.4	<0.1	70	0.86	0.072
1679332	Soil	1.2	24.3	8.1	57	0.1	25.1	14.9	857	2.86	10.1	0.5	<0.5	2.3	20	0.2	0.7	0.1	75	0.29	0.046
1679331	Soil	0.9	25.0	7.0	50	<0.1	29.6	11.9	286	2.99	7.6	0.4	2.3	2.1	27	0.2	0.5	0.1	96	0.38	0.048
1679334	Soil	0.8	19.5	9.2	55	<0.1	22.6	9.1	382	2.89	8.3	0.6	0.7	2.5	30	0.1	0.4	0.1	83	0.44	0.056
1679333	Soil	0.8	17.2	7.7	44	<0.1	18.3	7.0	347	2.41	5.9	0.4	0.7	1.3	25	0.2	0.3	0.1	70	0.45	0.039
1679340	Soil	1.2	27.4	10.5	71	0.1	26.8	8.5	352	3.54	9.2	0.3	2.8	1.2	20	0.1	0.7	0.2	88	0.26	0.049
1679338	Soil	0.9	18.9	6.5	42	0.5	17.5	8.7	729	1.98	9.7	0.6	<0.5	1.3	22	0.2	0.4	0.1	56	0.27	0.043
1679336	Soil	1.3	18.3	7.8	43	0.1	17.6	8.7	1108	2.57	6.6	0.4	1.3	1.5	22	0.2	0.4	0.1	71	0.27	0.032
1679337	Soil	0.5	23.4	10.5	59	<0.1	23.6	9.2	390	3.18	10.4	0.5	1.3	2.6	28	0.2	0.4	0.1	76	0.47	0.037
1679352	Soil	0.6	35.3	7.6	52	0.1	30.6	13.0	372	3.15	30.4	0.5	7.6	2.1	35	0.1	0.5	0.1	83	0.75	0.034
1679349	Soil	1.1	90.1	20.0	118	0.4	47.8	27.7	935	5.29	36.7	0.8	5.8	2.3	34	0.4	0.6	0.2	133	0.67	0.050
1679346	Soil	1.6	29.4	9.5	65	0.2	34.5	14.1	742	3.29	9.0	0.5	1.3	2.5	35	0.2	0.6	0.2	77	0.53	0.039

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Project: WEL
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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1677997	Soil		8	27	0.50	259	0.080	2	1.43	0.024	0.05	0.1	0.06	3.2	<0.1	<0.05	5	0.6	<0.2
1677503	Soil		12	31	0.55	354	0.105	4	1.18	0.042	0.06	0.1	0.03	5.0	0.2	<0.05	4	<0.5	<0.2
1677506	Soil		14	31	0.56	1067	0.070	3	1.83	0.030	0.08	0.1	0.03	4.3	0.1	<0.05	6	<0.5	<0.2
1677515	Soil		35	23	0.46	210	0.050	2	1.59	0.013	0.22	<0.1	0.01	3.4	0.2	<0.05	5	<0.5	<0.2
1677511	Soil		29	41	0.73	138	0.097	1	2.42	0.019	0.15	0.1	0.02	7.0	0.2	<0.05	6	<0.5	<0.2
1677995	Soil		11	35	0.63	244	0.105	2	1.63	0.041	0.06	0.1	0.03	4.9	<0.1	<0.05	4	<0.5	<0.2
1677509	Soil		15	43	0.70	172	0.118	2	2.22	0.027	0.07	<0.1	0.01	6.9	<0.1	<0.05	6	<0.5	<0.2
1677992	Soil		8	23	0.38	948	0.064	5	1.03	0.024	0.07	<0.1	0.23	4.0	<0.1	<0.05	4	1.0	<0.2
1677508	Soil		18	32	0.65	297	0.096	2	1.92	0.037	0.10	<0.1	0.02	6.2	0.1	<0.05	6	<0.5	<0.2
1677502	Soil		13	36	0.72	202	0.122	3	1.74	0.051	0.06	0.2	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
1677993	Soil		9	28	0.50	358	0.082	2	1.28	0.024	0.06	0.1	0.09	3.6	<0.1	<0.05	5	0.7	<0.2
1679361	Soil		10	33	0.63	120	0.116	3	1.65	0.044	0.06	0.2	0.02	5.0	<0.1	<0.05	4	<0.5	<0.2
1679353	Soil		11	53	0.66	336	0.115	3	2.38	0.039	0.08	0.2	0.03	8.9	<0.1	<0.05	7	<0.5	<0.2
1679354	Soil		8	29	0.56	297	0.070	3	1.66	0.034	0.05	0.1	0.03	4.6	<0.1	0.07	4	1.2	<0.2
1679357	Soil		11	32	0.70	230	0.118	2	1.65	0.056	0.06	0.1	0.02	5.5	<0.1	<0.05	5	<0.5	<0.2
1679355	Soil		12	35	0.66	240	0.115	3	1.69	0.048	0.05	0.1	0.04	6.3	<0.1	<0.05	5	0.9	<0.2
1679358	Soil		11	30	0.65	242	0.116	4	1.56	0.052	0.06	0.1	0.03	5.0	<0.1	<0.05	4	<0.5	<0.2
1679359	Soil		11	37	0.69	141	0.115	3	1.90	0.043	0.06	0.1	0.01	5.5	<0.1	<0.05	5	<0.5	<0.2
1679356	Soil		9	30	0.71	170	0.114	2	1.58	0.051	0.05	0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
1679332	Soil		8	37	0.52	216	0.079	<1	2.28	0.019	0.05	<0.1	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
1679331	Soil		9	37	0.65	211	0.109	2	2.29	0.019	0.05	<0.1	0.02	5.0	<0.1	<0.05	7	<0.5	<0.2
1679334	Soil		13	34	0.66	255	0.088	2	2.22	0.022	0.05	<0.1	0.02	5.5	0.2	<0.05	7	<0.5	<0.2
1679333	Soil		7	29	0.45	250	0.085	1	1.75	0.021	0.08	<0.1	0.02	3.1	<0.1	<0.05	7	<0.5	<0.2
1679340	Soil		6	33	0.60	463	0.081	<1	2.01	0.017	0.08	<0.1	<0.01	3.3	<0.1	<0.05	7	<0.5	<0.2
1679338	Soil		8	24	0.34	208	0.065	1	1.66	0.027	0.04	<0.1	0.03	3.8	0.1	<0.05	6	<0.5	<0.2
1679336	Soil		13	25	0.44	227	0.079	2	1.73	0.019	0.05	0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
1679337	Soil		13	36	0.69	354	0.085	1	2.54	0.021	0.07	<0.1	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
1679352	Soil		10	34	0.71	160	0.109	3	2.20	0.040	0.04	0.1	0.01	7.5	<0.1	<0.05	6	<0.5	<0.2
1679349	Soil		11	56	0.90	216	0.117	2	3.82	0.023	0.07	0.1	0.03	16.4	<0.1	<0.05	10	<0.5	<0.2
1679346	Soil		10	41	0.57	381	0.085	1	2.32	0.025	0.09	<0.1	0.02	7.6	<0.1	<0.05	6	<0.5	<0.2

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		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1679362	Soil		0.4	23.3	4.9	50	<0.1	20.5	10.1	284	2.69	5.8	0.5	3.9	2.1	54	<0.1	0.4	0.1	65	0.90	0.053
1679348	Soil		1.3	54.8	8.7	117	0.2	39.1	27.7	822	4.25	33.7	0.5	3.1	1.8	37	0.4	0.5	0.4	98	0.68	0.050
1679347	Soil		2.9	22.4	10.6	114	0.4	29.6	15.7	493	3.36	46.9	0.8	1.2	2.7	38	0.7	1.0	0.3	70	0.52	0.066
1679344	Soil		1.0	28.0	8.3	50	<0.1	30.6	15.8	472	3.56	8.8	0.5	2.6	2.7	34	<0.1	0.7	0.1	88	0.39	0.020
1679360	Soil		0.4	28.0	5.0	49	<0.1	23.2	11.8	245	2.49	5.9	0.6	2.1	2.2	44	0.2	0.4	<0.1	74	0.74	0.064
1679341	Soil		1.2	29.4	10.3	59	0.1	30.3	12.9	305	3.62	9.3	0.4	4.0	1.9	27	<0.1	0.7	0.2	89	0.24	0.017
1679343	Soil		0.9	40.6	9.0	53	<0.1	33.2	14.9	549	2.99	9.4	0.5	2.3	2.2	30	<0.1	0.8	0.1	80	0.29	0.015
1679350	Soil		1.5	85.3	19.5	128	0.4	46.5	32.6	867	5.27	35.1	0.8	19.1	2.5	36	0.3	0.8	0.2	126	0.65	0.042
1679335	Soil		0.8	14.9	7.3	22	<0.1	6.4	3.7	148	1.21	3.0	0.4	1.6	1.1	18	0.1	0.2	0.1	37	0.23	0.028
1679339	Soil		0.9	17.4	7.1	56	0.2	19.9	8.5	289	2.60	10.1	0.3	2.7	1.3	25	0.3	0.5	0.1	66	0.26	0.029
1679342	Soil		0.8	39.5	8.0	56	<0.1	29.5	14.4	437	3.67	9.4	0.5	3.2	2.7	40	<0.1	0.6	0.1	91	0.44	0.022
1679345	Soil		1.1	29.8	9.1	54	<0.1	27.6	15.9	535	3.15	7.2	0.4	2.2	2.2	32	<0.1	0.5	0.1	69	0.39	0.021
1679351	Soil		0.7	44.0	8.2	63	<0.1	32.1	14.5	416	3.61	10.5	0.5	5.6	3.1	47	0.1	0.4	0.1	87	0.82	0.041
1493961	Soil		1.4	31.9	8.8	43	0.1	19.5	8.4	242	2.31	9.6	0.4	4.2	1.0	16	0.1	1.0	0.2	60	0.15	0.029
1493959	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1493974	Soil		0.8	32.1	7.2	54	0.1	29.5	15.6	456	3.40	30.3	0.5	6.8	2.8	36	<0.1	0.7	0.1	89	0.61	0.017
1493953	Soil		1.4	66.4	7.0	59	0.3	33.1	20.7	1428	3.74	7.8	0.7	1.9	2.0	40	0.3	0.6	0.1	82	0.55	0.054
1493952	Soil		1.1	57.8	6.5	60	0.2	35.9	17.3	921	3.78	6.7	0.5	1.5	1.8	30	0.3	0.5	0.1	86	0.48	0.039
1493954	Soil		0.9	46.9	5.8	54	0.1	31.2	17.0	616	3.27	6.9	0.6	1.8	2.0	41	0.3	0.5	<0.1	84	0.63	0.040
1493878	Soil		1.0	32.2	7.7	58	<0.1	27.7	14.7	939	2.98	13.2	0.5	3.2	1.8	45	0.3	0.5	0.1	73	0.74	0.038
1493962	Soil		1.2	56.3	12.1	60	0.2	26.4	14.7	835	2.82	23.6	0.5	17.7	1.2	30	0.1	0.7	0.2	52	0.40	0.057
1493958	Soil		0.7	52.0	8.9	54	0.2	29.1	11.5	373	2.99	9.4	1.1	7.4	2.6	59	0.2	0.6	0.1	70	1.12	0.057
1493956	Soil		1.1	32.9	9.2	63	<0.1	31.8	14.6	634	3.67	6.9	0.6	2.0	3.2	39	0.3	0.5	0.1	87	0.61	0.034
1493879	Soil		0.6	50.2	7.3	54	<0.1	32.3	12.5	392	3.19	13.6	1.3	7.2	2.6	55	0.2	0.7	0.1	74	1.02	0.038
1493963	Soil		1.4	31.0	8.8	43	0.1	22.0	9.5	258	2.85	8.3	0.5	4.1	1.4	24	0.1	0.4	0.1	74	0.26	0.026
1493960	Soil		0.9	20.8	7.2	31	<0.1	10.4	3.0	86	1.17	6.7	0.4	17.1	0.2	20	<0.1	0.8	0.1	26	0.19	0.038
1493957	Soil		1.1	34.5	9.8	53	<0.1	28.6	14.4	550	3.38	6.9	0.6	3.2	3.2	40	0.2	0.5	<0.1	81	0.56	0.026
1493876	Soil		1.0	25.8	7.6	55	0.1	25.0	15.1	873	2.90	7.8	0.3	3.8	1.7	45	0.3	0.5	0.1	64	0.89	0.049
1493881	Soil		0.4	29.3	5.2	51	<0.1	21.6	13.3	267	2.63	7.1	0.7	2.6	2.1	54	0.1	0.5	<0.1	71	1.22	0.060
1493967	Soil		1.8	26.4	9.3	73	0.3	32.1	15.8	400	3.77	13.1	0.4	2.0	2.6	29	0.4	0.7	0.2	98	0.42	0.026

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		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1679362	Soil		9	30	0.57	142	0.108	3	1.42	0.051	0.04	0.1	0.03	4.7	<0.1	<0.05	4	<0.5	<0.2
1679348	Soil		8	50	0.68	179	0.098	2	2.81	0.025	0.10	0.1	0.02	9.0	<0.1	<0.05	8	<0.5	<0.2
1679347	Soil		9	41	0.65	286	0.076	3	2.47	0.021	0.11	0.1	0.02	5.6	0.1	<0.05	7	<0.5	<0.2
1679344	Soil		9	53	0.68	560	0.117	2	2.47	0.024	0.08	0.1	0.01	6.3	<0.1	<0.05	7	<0.5	<0.2
1679360	Soil		11	35	0.66	193	0.124	3	1.39	0.055	0.06	0.2	0.02	5.1	<0.1	<0.05	4	0.6	<0.2
1679341	Soil		7	47	0.66	809	0.092	2	2.45	0.023	0.05	<0.1	0.02	4.5	0.1	<0.05	7	<0.5	<0.2
1679343	Soil		8	43	0.61	1052	0.103	2	2.07	0.027	0.04	<0.1	0.01	5.4	<0.1	<0.05	6	<0.5	<0.2
1679350	Soil		11	60	0.90	228	0.118	3	3.69	0.028	0.07	0.1	0.03	15.9	<0.1	<0.05	9	<0.5	<0.2
1679335	Soil		14	14	0.20	166	0.051	1	0.80	0.024	0.05	<0.1	0.02	1.8	0.1	<0.05	4	<0.5	<0.2
1679339	Soil		7	28	0.45	207	0.083	<1	1.53	0.023	0.05	<0.1	0.01	3.2	0.1	<0.05	6	<0.5	<0.2
1679342	Soil		9	48	0.75	1260	0.118	2	2.35	0.032	0.06	<0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
1679345	Soil		8	38	0.63	287	0.102	1	2.04	0.034	0.06	<0.1	<0.01	4.8	<0.1	<0.05	6	<0.5	<0.2
1679351	Soil		10	54	0.75	219	0.137	3	2.25	0.046	0.09	0.1	0.02	8.4	<0.1	<0.05	6	<0.5	<0.2
1493961	Soil		6	28	0.35	428	0.065	2	1.45	0.017	0.05	0.1	0.04	3.1	<0.1	<0.05	6	<0.5	<0.2
1493959	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1493974	Soil		10	50	0.69	334	0.123	2	2.46	0.037	0.07	<0.1	0.02	8.3	<0.1	<0.05	6	<0.5	<0.2
1493953	Soil		11	38	0.60	213	0.092	2	2.28	0.029	0.06	0.1	0.05	7.4	0.1	<0.05	6	<0.5	<0.2
1493952	Soil		16	38	0.54	189	0.097	1	2.19	0.028	0.07	0.1	0.03	7.0	<0.1	<0.05	7	<0.5	<0.2
1493954	Soil		12	38	0.66	205	0.109	2	1.77	0.031	0.05	<0.1	0.04	7.2	<0.1	<0.05	6	<0.5	<0.2
1493878	Soil		11	36	0.62	232	0.099	2	1.98	0.047	0.07	<0.1	0.03	5.6	<0.1	<0.05	6	<0.5	<0.2
1493962	Soil		8	28	0.44	435	0.068	2	1.32	0.023	0.06	<0.1	0.05	3.8	<0.1	<0.05	4	<0.5	<0.2
1493958	Soil		20	36	0.63	196	0.093	4	1.97	0.031	0.08	0.1	0.05	7.0	<0.1	<0.05	5	0.7	<0.2
1493956	Soil		12	42	0.74	212	0.115	2	2.15	0.029	0.07	<0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
1493879	Soil		12	38	0.80	208	0.129	2	1.84	0.062	0.07	<0.1	0.04	6.5	<0.1	<0.05	5	0.8	<0.2
1493963	Soil		8	34	0.42	474	0.088	2	1.91	0.022	0.06	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
1493960	Soil		5	19	0.16	299	0.039	2	0.71	0.017	0.05	<0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1493957	Soil		14	42	0.73	194	0.117	2	1.89	0.042	0.07	0.1	0.02	6.3	<0.1	<0.05	6	<0.5	<0.2
1493876	Soil		7	38	0.46	323	0.080	2	1.75	0.040	0.06	0.1	0.03	4.8	<0.1	<0.05	6	<0.5	<0.2
1493881	Soil		10	30	0.63	181	0.115	3	1.45	0.054	0.05	0.1	0.04	4.7	<0.1	<0.05	4	<0.5	<0.2
1493967	Soil		8	53	0.71	233	0.109	1	2.81	0.018	0.06	<0.1	0.01	5.1	0.1	<0.05	8	<0.5	<0.2

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Project: WEL
Report Date: September 01, 2018

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1493883	Soil		0.8	38.2	5.6	52	<0.1	25.6	15.6	588	2.73	6.5	0.9	3.5	2.1	54	<0.1	0.5	<0.1	68	1.03	0.062
1493972	Soil		1.2	44.8	6.8	58	0.2	32.7	15.6	520	3.22	25.7	0.4	4.5	2.4	38	0.3	0.7	0.1	79	0.82	0.036
1493882	Soil		0.6	23.4	5.4	56	<0.1	20.3	10.9	280	2.71	7.0	0.7	1.9	2.0	49	<0.1	0.5	0.1	62	0.89	0.061
1493968	Soil		1.1	27.5	7.5	73	0.3	33.5	16.6	522	3.24	13.0	0.6	2.0	3.0	39	0.3	0.6	0.1	96	0.70	0.025
1493973	Soil		1.1	32.6	7.4	60	<0.1	31.3	16.0	468	3.61	24.6	0.6	5.0	2.7	32	<0.1	0.6	0.2	89	0.53	0.025
1493975	Soil		0.8	28.6	6.9	51	0.1	29.7	16.3	459	3.58	36.0	0.4	4.3	3.0	34	0.1	0.6	0.1	104	0.56	0.017
1493880	Soil		0.5	51.1	6.7	53	<0.1	29.8	11.5	502	2.57	10.4	1.6	4.5	2.0	60	0.1	0.7	0.3	63	1.31	0.058
1493969	Soil		0.9	40.2	8.6	86	0.5	31.6	13.5	632	2.81	7.6	0.6	2.1	2.7	47	1.0	0.5	0.2	66	0.90	0.048
1493966	Soil		2.2	41.5	11.1	59	0.2	25.5	13.1	824	3.37	9.2	0.6	3.7	2.2	26	0.1	0.6	0.2	89	0.30	0.034
1493965	Soil		0.8	37.5	7.6	56	<0.1	35.8	14.4	490	3.36	9.3	0.7	4.1	3.2	32	<0.1	0.5	0.1	93	0.40	0.038
1493877	Soil		0.8	52.7	8.0	58	0.1	33.3	15.6	773	2.78	17.5	0.5	7.6	2.5	48	0.2	0.7	0.1	78	1.01	0.053
1493970	Soil		0.9	40.7	7.7	59	0.2	30.8	12.8	525	3.06	14.0	0.6	10.5	2.9	37	0.3	0.6	0.1	71	0.74	0.040
1493955	Soil		0.8	44.7	6.6	59	0.3	28.1	13.7	557	2.89	6.6	0.6	2.4	2.5	38	0.3	0.6	0.1	75	0.64	0.046
1493964	Soil		0.7	42.8	6.8	53	<0.1	29.1	11.7	420	2.94	9.8	0.5	8.8	2.7	36	<0.1	0.8	0.1	78	0.48	0.049
1493971	Soil		1.0	26.5	11.5	58	0.2	25.1	13.4	430	3.02	15.0	0.3	8.0	1.9	28	0.3	0.6	0.1	70	0.55	0.037
1675222	Soil		0.8	22.7	13.1	47	<0.1	19.0	9.3	287	2.90	8.4	0.7	4.0	3.7	29	<0.1	0.5	0.2	66	0.43	0.048
1675218	Soil		0.7	25.8	11.1	46	<0.1	23.8	11.9	369	3.32	8.0	0.6	2.2	6.6	30	<0.1	0.4	0.2	70	0.46	0.050
1675194	Soil		1.2	53.1	14.0	80	0.2	35.8	18.0	1039	3.57	8.9	0.6	2.6	4.3	27	0.1	0.8	0.2	86	0.47	0.033
1675205	Soil		0.5	36.4	5.8	50	<0.1	27.2	11.8	466	2.62	7.6	0.8	4.1	2.6	52	0.2	0.6	0.1	61	0.94	0.068
1675210	Soil		0.9	50.8	7.0	67	<0.1	28.8	13.4	840	2.39	5.6	0.9	4.4	2.8	43	0.2	0.5	0.1	62	0.62	0.072
1675193	Soil		1.0	54.0	11.8	58	0.1	33.2	17.4	745	3.80	8.9	0.7	3.7	4.9	33	<0.1	0.7	0.2	86	0.58	0.028
1675198	Soil		0.6	168.5	34.4	151	0.1	69.3	26.3	3498	4.10	13.8	0.9	14.4	4.2	36	0.1	2.9	0.3	24	0.13	0.070
1675217	Soil		0.7	28.3	12.0	50	<0.1	26.8	12.9	733	3.12	8.2	0.8	2.6	5.6	35	0.2	0.5	0.2	61	0.60	0.058
1675206	Soil		0.5	36.7	5.4	50	<0.1	28.3	11.3	507	2.35	6.6	0.7	4.7	2.7	51	0.1	0.5	0.1	58	0.99	0.074
1675223	Soil		0.5	17.9	10.2	46	<0.1	13.7	8.1	215	2.51	3.6	1.0	2.1	5.6	25	<0.1	0.3	0.1	48	0.36	0.075
1675196	Soil		1.4	33.1	8.3	68	0.4	33.8	14.5	806	3.58	8.3	0.5	2.5	2.6	27	0.2	0.8	0.3	69	0.45	0.066
1675219	Soil		1.2	15.8	14.7	60	<0.1	14.8	9.3	436	3.01	5.3	0.5	0.9	3.8	21	0.2	0.5	0.2	48	0.28	0.037
1675208	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1675195	Soil		0.7	30.2	4.7	71	<0.1	51.7	25.6	577	3.46	10.7	0.4	1.1	2.0	24	0.1	0.7	0.1	89	0.59	0.022
1675197	Soil		1.1	23.5	8.4	59	0.2	28.8	12.2	354	3.50	9.1	0.4	1.8	2.6	26	0.1	0.7	0.1	83	0.30	0.033

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1493883	Soil		11	33	0.63	248	0.109	2	1.57	0.057	0.06	<0.1	0.03	5.4	<0.1	<0.05	4	<0.5	<0.2
1493972	Soil		10	38	0.64	205	0.095	3	1.97	0.042	0.07	0.1	0.01	9.6	<0.1	<0.05	5	<0.5	<0.2
1493882	Soil		9	30	0.60	162	0.116	2	1.29	0.061	0.05	0.1	0.02	4.7	<0.1	<0.05	4	<0.5	<0.2
1493968	Soil		11	51	0.63	222	0.132	2	2.15	0.029	0.10	0.1	0.02	8.1	<0.1	<0.05	6	<0.5	<0.2
1493973	Soil		9	50	0.57	314	0.120	2	2.15	0.028	0.07	<0.1	0.01	7.7	<0.1	<0.05	6	<0.5	<0.2
1493975	Soil		10	51	0.69	319	0.144	1	2.42	0.037	0.08	0.1	0.01	8.8	<0.1	<0.05	6	<0.5	<0.2
1493880	Soil		13	32	0.61	220	0.097	4	1.58	0.048	0.05	<0.1	0.03	5.2	<0.1	<0.05	5	0.6	<0.2
1493969	Soil		15	36	0.58	303	0.088	3	1.72	0.041	0.07	<0.1	0.02	5.5	<0.1	<0.05	6	<0.5	<0.2
1493966	Soil		9	38	0.51	303	0.069	1	2.19	0.020	0.05	<0.1	0.02	4.3	0.1	<0.05	8	<0.5	<0.2
1493965	Soil		14	46	0.69	343	0.107	2	2.40	0.024	0.04	<0.1	0.02	6.0	<0.1	<0.05	7	<0.5	<0.2
1493877	Soil		14	36	0.71	206	0.096	3	1.63	0.050	0.07	<0.1	0.04	6.0	<0.1	<0.05	5	<0.5	<0.2
1493970	Soil		13	40	0.66	197	0.089	3	1.69	0.038	0.06	0.1	0.02	6.5	<0.1	<0.05	5	<0.5	<0.2
1493955	Soil		13	34	0.60	218	0.089	2	1.63	0.026	0.05	<0.1	0.03	5.5	<0.1	<0.05	5	<0.5	<0.2
1493964	Soil		13	41	0.61	452	0.112	2	1.76	0.024	0.05	0.1	0.03	5.8	<0.1	<0.05	6	<0.5	<0.2
1493971	Soil		8	33	0.51	170	0.081	2	1.72	0.031	0.07	0.1	<0.01	5.9	<0.1	<0.05	6	<0.5	<0.2
1675222	Soil		19	33	0.57	209	0.079	1	1.73	0.018	0.07	<0.1	0.02	4.2	0.1	<0.05	6	<0.5	<0.2
1675218	Soil		17	38	0.70	140	0.107	1	2.04	0.023	0.08	0.1	0.01	6.9	0.1	<0.05	6	<0.5	<0.2
1675194	Soil		15	43	0.80	497	0.119	2	2.18	0.013	0.11	0.2	0.01	7.8	0.1	<0.05	7	<0.5	<0.2
1675205	Soil		13	32	0.51	334	0.092	3	1.24	0.036	0.05	0.2	0.02	4.3	<0.1	<0.05	4	<0.5	<0.2
1675210	Soil		13	36	0.54	558	0.099	2	1.42	0.034	0.05	0.1	0.06	4.9	<0.1	<0.05	5	0.5	<0.2
1675193	Soil		21	48	0.72	362	0.116	2	2.46	0.016	0.11	0.1	0.02	8.9	<0.1	<0.05	7	<0.5	<0.2
1675198	Soil		36	7	0.45	1683	0.002	2	1.03	0.003	0.10	<0.1	0.10	3.3	0.1	<0.05	3	<0.5	0.2
1675217	Soil		24	36	0.64	255	0.087	1	2.01	0.025	0.09	0.1	0.02	6.2	0.1	<0.05	6	<0.5	<0.2
1675206	Soil		12	31	0.58	334	0.091	2	1.31	0.038	0.05	0.2	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
1675223	Soil		25	24	0.57	115	0.067	<1	1.38	0.015	0.09	<0.1	<0.01	3.0	<0.1	<0.05	5	<0.5	<0.2
1675196	Soil		11	41	0.73	828	0.062	1	2.28	0.017	0.09	<0.1	0.03	4.3	0.1	<0.05	6	<0.5	<0.2
1675219	Soil		13	22	0.65	253	0.044	1	1.70	0.014	0.11	0.1	0.01	3.3	0.3	<0.05	6	<0.5	<0.2
1675208	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1675195	Soil		5	84	1.31	254	0.205	1	2.60	0.011	0.06	0.2	<0.01	4.7	<0.1	<0.05	6	<0.5	<0.2
1675197	Soil		9	47	0.72	610	0.080	1	2.25	0.014	0.08	<0.1	<0.01	3.7	<0.1	<0.05	6	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1675199	Soil	0.7	51.7	7.0	55	0.1	34.9	12.8	328	2.82	10.0	0.7	9.4	3.2	31	0.1	1.5	0.1	65	0.37	0.062
1675203	Soil	0.3	36.7	7.2	72	0.1	26.2	10.2	234	2.60	6.3	0.6	4.9	3.0	38	0.2	0.8	0.2	64	0.54	0.063
1675207	Soil	0.5	28.3	5.1	51	<0.1	24.9	11.6	535	2.29	5.7	0.8	4.0	2.0	53	0.3	0.5	0.1	54	1.22	0.078
1675213	Soil	0.6	52.2	7.4	59	0.2	28.7	9.9	395	2.71	6.1	1.0	18.8	3.1	53	0.2	0.9	0.1	60	0.78	0.098
1675204	Soil	1.2	58.7	8.3	117	0.3	61.1	14.1	877	2.89	8.4	0.8	6.8	3.5	41	0.2	1.5	0.2	57	0.45	0.066
1675202	Soil	1.0	81.3	9.4	99	0.4	54.5	16.0	522	2.74	11.5	1.0	9.5	3.2	37	0.2	2.5	0.2	56	0.32	0.050
1675211	Soil	0.5	38.5	5.9	67	<0.1	28.6	13.3	443	2.66	6.8	0.8	12.0	3.1	62	0.2	0.5	0.1	70	1.73	0.098
1675212	Soil	0.6	23.9	8.5	57	<0.1	16.3	9.0	348	2.45	4.7	0.9	2.7	3.2	44	0.1	0.5	0.1	54	0.62	0.086
1675201	Soil	1.8	19.3	10.1	61	0.4	18.0	8.8	247	3.26	15.3	0.4	6.6	2.3	16	0.1	2.3	0.2	81	0.15	0.031
1675224	Soil	0.7	19.7	10.5	45	<0.1	16.8	9.3	254	2.77	5.6	1.2	3.6	5.0	30	<0.1	0.3	0.1	55	0.40	0.059
1675225	Soil	0.6	18.8	10.2	46	<0.1	15.6	9.3	239	2.64	5.7	1.2	2.8	5.3	30	<0.1	0.3	0.1	56	0.42	0.056
1675215	Soil	2.2	41.6	10.1	68	0.6	23.6	8.3	345	2.98	15.4	1.2	3.7	2.8	153	0.1	2.2	0.1	60	0.44	0.113
1675200	Soil	0.7	49.3	6.5	58	0.1	33.6	12.8	308	2.68	10.3	0.8	7.2	3.3	31	0.1	1.5	0.2	62	0.34	0.060
1675221	Soil	1.6	43.2	16.0	74	<0.1	36.2	17.5	678	3.90	14.2	1.8	3.5	6.2	33	0.1	1.1	0.2	82	0.44	0.061
1675220	Soil	1.6	16.1	10.0	49	<0.1	21.4	10.7	349	3.17	7.1	0.4	2.3	1.6	21	0.2	0.7	0.2	75	0.25	0.028
1675209	Soil	0.9	75.3	7.3	58	<0.1	30.1	13.4	1060	2.41	5.7	0.9	4.0	2.6	50	0.2	0.6	0.2	58	0.86	0.062
1678976	Soil	0.9	14.8	11.2	44	<0.1	10.7	6.3	192	2.34	6.0	0.8	2.0	3.5	26	0.1	0.3	0.2	53	0.31	0.063
1678969	Soil	0.5	29.8	12.8	57	<0.1	23.2	11.9	513	2.94	7.2	0.5	4.3	6.3	34	0.1	0.5	0.2	58	0.52	0.067
1678968	Soil	0.5	40.1	9.8	54	0.1	26.2	11.0	462	2.96	7.7	1.1	3.3	4.4	44	0.2	0.6	0.2	57	0.72	0.052
1678944	Soil	0.8	66.4	9.7	66	0.2	36.5	11.7	711	2.25	4.9	1.1	5.8	2.2	55	0.2	0.8	0.4	45	1.02	0.075
1678975	Soil	0.7	16.6	11.2	37	<0.1	11.2	6.8	211	2.14	4.7	0.9	2.4	3.2	25	0.1	0.3	0.2	44	0.33	0.047
1678972	Soil	1.0	17.8	20.2	68	<0.1	25.1	13.5	366	3.48	11.4	0.5	3.5	3.6	27	0.2	0.6	0.2	67	0.37	0.072
1678947	Soil	1.2	43.4	10.0	45	0.5	30.1	11.0	1186	2.55	10.5	0.4	2.8	2.4	46	0.2	1.1	0.3	55	0.44	0.037
1678958	Soil	1.7	78.1	12.1	78	0.1	30.4	9.5	660	2.36	6.7	1.6	4.8	4.8	62	0.3	1.9	0.2	42	0.57	0.051
1678967	Soil	0.6	28.2	7.5	49	0.1	24.2	11.2	337	2.63	8.3	0.9	2.1	3.6	54	0.1	0.5	0.2	54	0.73	0.061
1678970	Soil	0.8	19.1	8.3	48	<0.1	21.9	12.2	378	3.09	7.5	0.5	5.1	3.3	29	<0.1	0.5	0.2	68	0.41	0.024
1678948	Soil	1.9	34.9	11.5	72	0.4	26.4	15.2	1115	3.30	10.6	0.4	3.4	2.3	24	0.2	1.2	0.2	75	0.23	0.039
1678965	Soil	0.8	59.9	7.3	52	0.2	30.8	10.6	304	2.51	7.6	1.0	2.7	2.4	54	0.3	0.7	0.1	59	0.72	0.056
1678966	Soil	1.0	50.1	7.8	65	0.2	33.7	13.7	665	2.79	9.6	0.9	2.1	3.2	65	0.4	1.1	0.2	58	1.02	0.086
1678974	Soil	0.7	16.3	11.4	36	<0.1	9.6	6.6	262	2.16	5.0	0.9	1.4	3.4	26	0.1	0.3	0.2	49	0.32	0.059

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Project: WEL
Report Date: September 01, 2018

CERTIFICATE OF ANALYSIS WHI18000712.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1675199	Soil	13	38	0.54	1171	0.087	2	1.58	0.022	0.06	0.1	0.04	4.2	<0.1	<0.05	5	<0.5	<0.2
1675203	Soil	13	35	0.60	464	0.101	2	1.37	0.035	0.06	0.1	0.05	4.7	<0.1	<0.05	4	<0.5	<0.2
1675207	Soil	10	30	0.56	277	0.084	2	1.44	0.034	0.06	0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
1675213	Soil	15	31	0.60	547	0.093	2	1.26	0.035	0.08	0.2	0.12	4.5	<0.1	<0.05	4	<0.5	<0.2
1675204	Soil	14	31	0.51	458	0.093	2	1.25	0.031	0.06	0.1	0.08	4.7	<0.1	<0.05	4	1.0	<0.2
1675202	Soil	16	30	0.41	1221	0.075	1	1.24	0.018	0.06	0.1	0.13	4.7	<0.1	<0.05	4	0.8	<0.2
1675211	Soil	13	35	0.79	167	0.111	4	1.38	0.050	0.07	0.2	0.02	4.8	<0.1	<0.05	4	<0.5	<0.2
1675212	Soil	17	24	0.66	445	0.081	2	1.46	0.022	0.05	0.2	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
1675201	Soil	10	39	0.38	279	0.064	<1	1.95	0.009	0.05	<0.1	0.02	2.9	0.1	<0.05	7	<0.5	<0.2
1675224	Soil	23	30	0.59	167	0.076	1	1.58	0.014	0.06	0.1	0.01	3.9	0.1	<0.05	5	<0.5	<0.2
1675225	Soil	23	29	0.59	175	0.077	1	1.66	0.015	0.06	<0.1	0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
1675215	Soil	13	31	0.46	1205	0.064	2	1.27	0.022	0.13	0.1	0.11	4.4	0.2	0.08	3	1.7	<0.2
1675200	Soil	14	35	0.52	1332	0.088	2	1.43	0.026	0.06	0.1	0.05	4.7	<0.1	<0.05	4	<0.5	<0.2
1675221	Soil	15	46	0.64	396	0.056	2	2.50	0.020	0.11	<0.1	0.03	7.4	0.2	<0.05	7	<0.5	<0.2
1675220	Soil	9	35	0.50	139	0.067	<1	2.01	0.023	0.04	<0.1	0.01	3.3	0.1	<0.05	6	<0.5	<0.2
1675209	Soil	13	35	0.54	833	0.086	2	1.52	0.032	0.05	0.1	0.09	4.9	<0.1	<0.05	4	<0.5	<0.2
1678976	Soil	24	20	0.52	132	0.065	<1	1.53	0.012	0.08	<0.1	0.02	3.4	0.1	<0.05	7	<0.5	<0.2
1678969	Soil	28	28	0.78	187	0.092	1	1.81	0.030	0.07	0.2	0.02	5.7	0.2	<0.05	6	<0.5	<0.2
1678968	Soil	22	33	0.69	319	0.096	1	1.74	0.033	0.07	0.1	0.02	6.0	<0.1	<0.05	5	<0.5	<0.2
1678944	Soil	16	28	0.47	1186	0.052	2	1.49	0.024	0.06	<0.1	0.13	5.3	0.1	<0.05	4	0.6	<0.2
1678975	Soil	15	21	0.38	156	0.053	1	1.48	0.016	0.08	<0.1	0.03	3.5	0.1	<0.05	5	<0.5	<0.2
1678972	Soil	12	34	0.58	216	0.067	1	2.18	0.012	0.12	0.1	<0.01	3.1	0.1	<0.05	6	<0.5	<0.2
1678947	Soil	10	29	0.49	1346	0.057	1	1.47	0.025	0.08	<0.1	0.04	3.7	<0.1	<0.05	5	<0.5	<0.2
1678958	Soil	25	28	0.49	804	0.054	2	1.21	0.026	0.10	<0.1	0.13	5.3	0.1	<0.05	4	<0.5	<0.2
1678967	Soil	16	33	0.73	925	0.087	1	1.81	0.040	0.07	0.1	0.02	5.5	<0.1	<0.05	5	<0.5	<0.2
1678970	Soil	14	37	0.62	164	0.095	<1	1.87	0.023	0.08	<0.1	0.01	5.2	0.1	<0.05	5	<0.5	<0.2
1678948	Soil	9	35	0.49	704	0.055	<1	1.77	0.013	0.07	<0.1	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
1678965	Soil	14	33	0.55	1012	0.075	2	1.51	0.028	0.07	<0.1	0.07	5.0	<0.1	<0.05	5	<0.5	<0.2
1678966	Soil	15	34	0.64	1557	0.082	2	1.67	0.033	0.07	<0.1	0.06	5.9	<0.1	<0.05	5	<0.5	<0.2
1678974	Soil	16	19	0.38	166	0.057	<1	1.55	0.016	0.08	<0.1	0.03	3.4	0.1	<0.05	6	<0.5	<0.2

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1678971	Soil		1.0	19.6	9.1	60	<0.1	23.1	12.1	791	2.94	6.9	0.4	1.6	2.5	34	0.2	0.5	0.2	64	0.55	0.057
1678963	Soil		0.5	42.7	7.4	57	<0.1	28.4	12.8	484	2.57	7.3	0.7	3.9	2.5	51	0.2	0.6	0.1	62	0.99	0.069
1678956	Soil		0.8	43.1	7.7	67	0.4	36.2	13.5	1215	2.74	10.8	1.0	6.6	3.1	40	0.1	1.2	0.2	59	0.40	0.056
1678946	Soil		1.0	93.9	9.0	55	0.2	43.1	14.3	863	3.11	10.7	0.9	15.7	3.8	43	0.1	1.1	0.2	63	0.63	0.034
1678949	Soil		1.6	22.5	10.6	69	0.2	24.4	11.0	337	3.51	10.9	0.4	3.4	2.5	20	0.1	1.2	0.2	81	0.19	0.024
1678962	Soil		1.9	32.9	10.1	81	0.2	22.4	8.7	299	2.46	11.3	0.9	4.1	1.7	29	0.4	0.7	0.2	59	0.33	0.069
1678961	Soil		3.2	40.5	8.8	60	0.1	22.9	10.1	711	2.96	10.3	0.7	3.4	2.5	30	0.3	0.5	0.2	72	0.28	0.044
1678945	Soil		1.2	67.9	12.2	62	0.2	50.9	21.4	930	3.33	10.2	0.8	5.9	3.8	48	0.2	0.7	0.2	66	0.63	0.072
1678955	Soil		0.9	33.9	7.8	61	0.3	31.4	10.4	267	2.83	9.7	0.4	7.1	2.2	26	0.2	1.1	0.1	63	0.28	0.037
1678951	Soil		1.4	26.6	9.3	60	0.8	26.3	12.8	251	3.58	11.5	0.5	3.9	2.1	16	0.1	1.2	0.2	85	0.15	0.020
1678973	Soil		0.9	18.0	14.8	57	<0.1	16.9	15.6	426	3.08	10.1	0.6	2.1	2.7	22	0.2	0.5	0.2	70	0.26	0.091
1678953	Soil		1.1	40.1	8.5	62	0.2	29.9	11.0	255	2.90	9.8	0.5	2.8	2.5	19	0.2	1.2	0.2	65	0.18	0.029
1678950	Soil		1.7	24.5	10.5	61	0.4	24.4	11.1	417	3.50	11.1	0.6	2.9	2.4	21	0.1	1.1	0.2	87	0.22	0.026
1678954	Soil		0.8	44.6	8.9	65	0.3	32.2	14.0	346	3.09	8.5	0.5	9.2	3.0	28	0.1	1.3	0.2	62	0.30	0.043
1678959	Soil		1.3	37.0	10.6	54	<0.1	23.9	10.1	351	2.93	7.7	0.5	6.0	2.5	22	<0.1	0.6	0.2	65	0.21	0.023
1678964	Soil		0.5	42.9	6.2	55	0.1	25.9	10.1	334	2.32	5.5	0.8	4.1	2.6	52	0.2	0.6	0.1	55	0.87	0.083
1678960	Soil		4.6	39.2	10.7	66	0.1	27.9	11.8	546	2.97	9.0	0.4	2.2	2.3	25	0.1	0.8	0.2	69	0.26	0.027
1678957	Soil		1.0	56.4	8.4	69	0.3	33.8	11.8	1111	2.39	6.4	0.7	10.4	2.1	78	0.2	1.0	0.2	48	0.71	0.065
1676979	Soil		1.0	21.5	11.6	53	<0.1	20.7	10.2	477	3.18	7.1	0.5	2.6	3.2	27	<0.1	0.5	0.2	70	0.35	0.029
1676998	Soil		0.6	32.1	5.7	48	<0.1	23.6	10.2	292	2.42	5.7	0.8	3.9	2.1	50	<0.1	0.5	<0.1	65	0.78	0.061
1675216	Soil		0.9	35.0	5.6	48	<0.1	39.7	13.4	337	3.26	7.0	0.6	2.0	2.6	39	0.1	0.5	0.1	67	0.53	0.049
1676977	Soil		1.6	20.9	13.1	98	0.2	25.1	14.4	422	3.69	9.5	0.5	3.8	2.5	18	0.7	0.7	0.2	92	0.19	0.029
1676978	Soil		0.7	26.5	10.1	51	<0.1	29.1	10.9	312	3.06	8.0	0.7	4.9	5.0	29	0.1	0.6	0.1	77	0.39	0.044
1679004	Soil		0.5	30.3	5.1	48	<0.1	24.0	11.2	444	2.55	6.1	0.5	4.8	2.1	43	<0.1	0.4	<0.1	73	0.72	0.063
1676997	Soil		1.4	30.7	5.7	41	0.1	21.2	11.8	567	2.34	11.0	1.6	5.3	1.4	70	0.1	0.5	0.1	61	1.39	0.056
1676976	Soil		1.3	31.2	8.6	62	0.1	34.2	14.3	379	3.82	12.4	0.6	3.2	3.1	22	0.3	0.8	0.2	88	0.26	0.034
1679001	Soil		1.1	19.0	4.9	36	0.1	13.5	8.6	382	1.89	3.9	0.6	5.7	1.3	33	<0.1	0.3	<0.1	49	0.51	0.049
1676996	Soil		1.4	31.6	3.0	19	0.1	15.2	5.7	469	1.00	7.9	2.8	1.5	0.2	107	0.3	0.4	<0.1	25	2.52	0.047
1679002	Soil		0.6	32.3	5.6	50	<0.1	25.7	11.6	417	2.73	7.0	0.6	3.2	2.2	51	0.1	0.4	<0.1	71	1.29	0.069
1676999	Soil		0.7	32.6	5.2	55	<0.1	23.6	10.6	382	2.56	7.0	0.7	2.7	2.0	53	0.2	0.4	<0.1	68	0.92	0.063

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1678971	Soil		12	33	0.59	237	0.067	2	2.01	0.022	0.14	<0.1	0.02	4.1	0.1	<0.05	6	<0.5	<0.2
1678963	Soil		13	33	0.66	292	0.096	2	1.43	0.046	0.05	0.1	0.03	5.1	<0.1	<0.05	4	<0.5	<0.2
1678956	Soil		14	33	0.55	765	0.071	1	1.67	0.027	0.06	0.1	0.10	5.0	<0.1	<0.05	5	0.7	<0.2
1678946	Soil		20	37	0.66	1371	0.091	1	1.84	0.032	0.08	<0.1	0.11	7.2	0.1	<0.05	5	<0.5	<0.2
1678949	Soil		10	35	0.53	474	0.071	<1	1.92	0.011	0.05	<0.1	0.01	3.2	0.1	<0.05	7	<0.5	<0.2
1678962	Soil		11	35	0.50	308	0.068	1	1.35	0.024	0.07	<0.1	0.08	3.9	0.2	<0.05	4	0.6	<0.2
1678961	Soil		12	42	0.52	1058	0.073	1	1.92	0.016	0.07	<0.1	0.04	4.5	0.1	<0.05	6	<0.5	<0.2
1678945	Soil		16	41	0.74	912	0.116	2	1.66	0.027	0.10	<0.1	0.05	6.7	0.2	<0.05	5	<0.5	<0.2
1678955	Soil		10	30	0.55	545	0.077	1	1.61	0.019	0.06	<0.1	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
1678951	Soil		8	40	0.54	333	0.079	<1	2.46	0.017	0.03	<0.1	0.02	3.7	0.1	<0.05	7	<0.5	<0.2
1678973	Soil		15	28	0.56	183	0.057	<1	2.05	0.014	0.10	<0.1	<0.01	3.3	0.1	<0.05	6	<0.5	<0.2
1678953	Soil		10	30	0.38	490	0.068	<1	1.68	0.015	0.05	0.1	0.02	3.2	<0.1	<0.05	5	<0.5	<0.2
1678950	Soil		8	41	0.54	509	0.075	<1	2.14	0.012	0.04	<0.1	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
1678954	Soil		13	31	0.49	1013	0.082	<1	1.56	0.017	0.07	0.1	0.06	3.8	<0.1	<0.05	4	<0.5	<0.2
1678959	Soil		10	34	0.50	762	0.071	<1	1.83	0.012	0.07	<0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
1678964	Soil		14	30	0.61	465	0.089	2	1.26	0.042	0.06	0.1	0.06	4.7	<0.1	<0.05	4	<0.5	<0.2
1678960	Soil		9	79	0.63	757	0.053	<1	1.54	0.014	0.09	<0.1	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
1678957	Soil		11	26	0.55	847	0.057	2	1.25	0.026	0.07	<0.1	0.09	4.0	<0.1	0.06	3	0.8	<0.2
1676979	Soil		15	33	0.61	254	0.077	1	2.20	0.017	0.05	0.1	0.01	4.5	0.1	<0.05	7	<0.5	<0.2
1676998	Soil		12	30	0.66	307	0.102	2	1.53	0.047	0.05	<0.1	0.03	5.1	<0.1	<0.05	4	<0.5	<0.2
1675216	Soil		13	45	0.79	738	0.092	2	1.95	0.022	0.05	<0.1	<0.01	5.4	<0.1	<0.05	5	<0.5	<0.2
1676977	Soil		7	41	0.61	170	0.074	1	2.39	0.014	0.06	<0.1	0.02	3.8	0.1	<0.05	8	<0.5	<0.2
1676978	Soil		36	44	0.68	258	0.086	1	2.19	0.018	0.06	0.1	<0.01	6.5	<0.1	<0.05	6	<0.5	<0.2
1679004	Soil		11	32	0.59	154	0.100	2	1.38	0.042	0.05	0.1	0.02	5.0	<0.1	<0.05	4	<0.5	<0.2
1676997	Soil		10	27	0.58	207	0.075	2	1.38	0.035	0.04	<0.1	0.03	4.1	<0.1	0.07	4	1.3	<0.2
1676976	Soil		11	46	0.63	212	0.081	<1	2.68	0.017	0.05	<0.1	0.02	4.7	0.1	<0.05	7	<0.5	<0.2
1679001	Soil		8	24	0.38	139	0.069	1	1.17	0.032	0.03	0.1	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
1676996	Soil		5	13	0.43	147	0.027	4	0.66	0.027	0.02	<0.1	0.02	1.5	<0.1	0.17	2	3.2	<0.2
1679002	Soil		11	33	0.70	141	0.105	3	1.42	0.044	0.06	0.1	0.01	4.9	<0.1	<0.05	4	<0.5	<0.2
1676999	Soil		11	30	0.63	235	0.104	3	1.37	0.057	0.05	0.1	0.04	4.9	<0.1	<0.05	4	<0.5	<0.2

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Project: WEL
Report Date: September 01, 2018

CERTIFICATE OF ANALYSIS WHI18000712.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1676980	Soil		1.3	19.9	10.7	67	0.2	22.7	12.3	511	3.41	7.7	0.6	1.1	2.7	32	0.1	0.5	0.2	82	0.47	0.029
1676982	Soil		0.5	31.2	9.7	52	<0.1	24.6	12.5	856	3.32	9.1	0.8	3.6	3.9	40	0.1	0.6	0.1	70	0.63	0.041
1676981	Soil		0.5	25.7	7.4	49	<0.1	25.3	9.6	396	3.06	7.2	0.6	3.4	3.2	36	<0.1	0.4	0.1	72	0.56	0.050
1676983	Soil		0.4	10.2	15.5	62	<0.1	9.1	4.0	257	1.70	21.7	0.6	1.9	4.4	21	<0.1	1.6	0.2	22	0.35	0.028
1676992	Soil		1.5	28.8	9.9	80	0.5	33.2	16.5	645	3.44	10.3	0.6	1.8	2.9	33	0.3	0.7	0.2	74	0.50	0.062
1679005	Soil		0.5	42.3	5.9	52	<0.1	30.2	13.3	459	2.95	8.3	0.5	1.5	2.0	60	<0.1	0.5	0.1	74	1.24	0.051
1676995	Soil		1.0	98.4	9.0	60	0.3	35.9	14.9	600	2.87	10.7	1.7	4.2	1.4	76	0.6	0.7	0.1	70	1.53	0.063
1676984	Soil		1.0	21.2	9.3	75	0.4	24.4	13.8	855	3.11	14.1	0.4	1.4	2.0	38	0.3	1.2	0.2	70	0.53	0.069
1675214	Soil		1.3	48.8	9.3	58	0.3	32.9	11.5	443	2.98	9.3	0.9	1.7	3.1	57	0.1	0.9	0.1	62	0.65	0.054
1676989	Soil		1.3	43.5	9.3	50	<0.1	33.6	13.9	990	3.16	9.8	0.6	5.6	2.7	39	<0.1	0.8	0.1	74	0.54	0.018
1676990	Soil		0.6	42.7	7.5	44	<0.1	28.2	12.6	537	2.98	8.3	0.5	2.9	2.7	36	<0.1	0.6	0.1	76	0.49	0.019
1676987	Soil		0.5	47.2	6.7	50	<0.1	31.3	13.2	576	2.92	8.1	0.5	4.4	2.5	53	<0.1	0.5	0.1	71	1.07	0.058
1676993	Soil		1.5	37.8	13.9	171	1.1	38.6	21.5	1195	3.64	14.0	1.0	1.4	2.7	41	1.2	0.7	0.2	84	0.74	0.079
1676991	Soil		1.0	47.4	8.7	49	<0.1	32.1	14.3	866	2.80	8.0	0.5	2.5	2.3	37	<0.1	0.6	0.1	66	0.58	0.029
1676986	Soil		1.2	45.1	9.5	57	<0.1	33.6	14.3	884	2.92	7.3	0.5	3.9	2.0	32	<0.1	1.8	0.2	70	0.31	0.022
1676988	Soil		0.7	46.2	8.1	49	<0.1	27.8	11.5	614	2.92	6.8	0.5	2.9	2.6	40	<0.1	0.6	0.1	73	0.54	0.046
1676994	Soil		1.3	93.6	56.5	102	0.4	43.5	23.7	627	4.54	24.5	0.6	4.2	2.6	37	0.2	0.8	0.3	110	0.70	0.023
1676985	Soil		1.0	32.2	9.6	54	0.1	26.1	12.7	658	3.22	9.6	0.4	1.2	2.1	35	<0.1	1.0	0.1	73	0.40	0.028
1679006	Soil		0.4	31.3	5.1	52	<0.1	25.4	11.3	451	2.60	6.9	0.6	3.4	2.0	48	0.1	0.4	<0.1	75	0.92	0.066
1679003	Soil		0.6	40.4	5.3	55	<0.1	29.6	12.8	520	2.83	7.6	0.4	1.4	2.1	70	0.2	0.4	<0.1	72	2.06	0.073
1679007	Soil		0.6	27.0	5.6	57	<0.1	26.8	12.5	544	2.58	6.6	0.6	3.1	2.0	45	0.1	0.4	<0.1	71	0.90	0.067
1678952	Soil		1.4	19.4	9.4	44	0.7	18.6	8.4	266	3.01	7.4	0.3	3.7	1.4	17	0.2	0.7	0.2	84	0.20	0.027
1677000	Soil		0.7	33.6	5.4	52	<0.1	25.7	10.6	358	2.71	7.2	0.7	4.4	1.9	52	0.2	0.5	<0.1	69	0.88	0.063

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1676980	Soil	16	37	0.61	329	0.071	<1	2.45	0.017	0.05	<0.1	0.02	4.5	0.1	<0.05	7	<0.5	<0.2
1676982	Soil	27	34	0.66	331	0.091	2	1.79	0.032	0.08	0.1	0.03	7.0	<0.1	<0.05	5	<0.5	<0.2
1676981	Soil	15	37	0.68	253	0.096	<1	1.87	0.026	0.07	<0.1	0.01	5.2	<0.1	<0.05	5	<0.5	<0.2
1676983	Soil	17	13	0.29	333	0.017	1	0.99	0.012	0.08	<0.1	<0.01	2.7	0.1	<0.05	2	<0.5	<0.2
1676992	Soil	13	42	0.67	310	0.073	2	2.18	0.022	0.09	0.1	0.02	6.7	<0.1	<0.05	6	<0.5	<0.2
1679005	Soil	12	34	0.73	157	0.107	2	1.45	0.053	0.05	<0.1	0.02	5.1	<0.1	<0.05	4	<0.5	<0.2
1676995	Soil	12	32	0.76	207	0.084	4	1.73	0.038	0.04	0.1	0.03	6.3	<0.1	0.07	5	1.6	<0.2
1676984	Soil	9	36	0.54	409	0.082	2	1.67	0.020	0.13	<0.1	0.02	3.9	0.2	<0.05	6	<0.5	<0.2
1675214	Soil	14	32	0.57	1010	0.083	1	1.72	0.026	0.07	0.1	0.08	5.1	0.1	<0.05	5	<0.5	<0.2
1676989	Soil	11	41	0.61	691	0.089	1	1.76	0.027	0.07	<0.1	0.02	7.3	<0.1	<0.05	5	<0.5	<0.2
1676990	Soil	12	39	0.65	763	0.110	1	1.71	0.036	0.06	<0.1	0.02	7.1	<0.1	<0.05	5	<0.5	<0.2
1676987	Soil	13	33	0.77	494	0.101	2	1.68	0.048	0.07	0.1	0.02	5.5	<0.1	<0.05	5	<0.5	<0.2
1676993	Soil	13	40	0.70	297	0.086	2	2.65	0.026	0.15	0.1	0.03	6.7	0.1	<0.05	7	<0.5	<0.2
1676991	Soil	12	35	0.61	469	0.092	1	1.79	0.038	0.06	<0.1	0.02	6.4	<0.1	<0.05	5	<0.5	<0.2
1676986	Soil	9	35	0.66	1187	0.058	1	1.99	0.013	0.06	<0.1	0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
1676988	Soil	12	35	0.68	886	0.103	1	1.71	0.034	0.06	<0.1	0.01	5.6	<0.1	<0.05	4	<0.5	<0.2
1676994	Soil	13	56	0.84	212	0.116	2	2.83	0.025	0.07	<0.1	0.01	12.8	<0.1	<0.05	7	<0.5	<0.2
1676985	Soil	10	35	0.71	731	0.085	1	1.97	0.022	0.07	<0.1	<0.01	4.6	<0.1	<0.05	5	<0.5	<0.2
1679006	Soil	10	33	0.67	152	0.109	2	1.44	0.049	0.05	<0.1	0.01	5.0	<0.1	<0.05	4	<0.5	<0.2
1679003	Soil	11	33	0.85	119	0.108	2	1.33	0.052	0.08	<0.1	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2
1679007	Soil	10	33	0.67	181	0.105	2	1.51	0.047	0.05	0.1	0.02	5.3	<0.1	<0.05	4	<0.5	<0.2
1678952	Soil	6	32	0.37	323	0.063	<1	1.70	0.017	0.02	<0.1	0.01	2.4	<0.1	<0.05	7	<0.5	<0.2
1677000	Soil	12	31	0.68	227	0.104	3	1.44	0.050	0.05	<0.1	0.03	5.0	<0.1	0.05	4	0.6	<0.2

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QUALITY CONTROL REPORT WHI18000712.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1676969	Soil	0.8	44.5	14.4	57	<0.1	30.6	15.5	639	3.71	10.1	1.1	5.3	7.1	46	<0.1	0.7	0.2	78	0.68	0.059
REP 1676969	QC	0.8	45.5	14.5	59	<0.1	33.0	16.2	651	3.70	10.1	1.1	3.9	7.0	46	<0.1	0.6	0.2	77	0.72	0.055
1675435	Soil	0.8	22.5	10.6	59	0.1	22.2	9.7	468	3.12	9.1	0.6	2.3	3.5	48	0.2	0.5	0.2	74	0.72	0.058
REP 1675435	QC	0.9	21.7	10.8	61	0.1	22.2	9.8	508	3.23	9.2	0.7	3.9	3.3	49	0.3	0.5	0.2	77	0.77	0.060
1675466	Soil	1.2	35.2	9.3	56	0.3	37.4	20.0	663	3.97	18.3	0.6	2.5	3.1	32	<0.1	0.6	0.2	110	0.58	0.016
REP 1675466	QC	1.2	33.9	8.9	57	0.3	36.1	18.7	605	3.66	17.4	0.6	3.8	2.8	30	0.1	0.5	0.2	104	0.58	0.016
1677988	Soil	1.3	34.2	8.0	50	0.2	32.3	14.4	1207	3.07	8.9	0.5	1.3	2.6	30	<0.1	0.7	0.2	78	0.31	0.026
REP 1677988	QC	1.3	34.2	8.0	49	0.2	32.9	14.5	1243	3.15	8.6	0.6	2.5	2.8	32	0.1	0.7	0.1	81	0.32	0.027
1679331	Soil	0.9	25.0	7.0	50	<0.1	29.6	11.9	286	2.99	7.6	0.4	2.3	2.1	27	0.2	0.5	0.1	96	0.38	0.048
REP 1679331	QC	0.8	25.9	6.9	49	<0.1	28.6	11.7	300	3.00	7.9	0.5	2.1	2.2	28	0.2	0.4	0.1	95	0.42	0.049
1493876	Soil	1.0	25.8	7.6	55	0.1	25.0	15.1	873	2.90	7.8	0.3	3.8	1.7	45	0.3	0.5	0.1	64	0.89	0.049
REP 1493876	QC	1.1	24.6	7.7	63	0.1	26.3	13.8	956	2.96	9.0	0.3	1.3	1.7	41	0.1	0.4	0.1	74	0.87	0.047
1675207	Soil	0.5	28.3	5.1	51	<0.1	24.9	11.6	535	2.29	5.7	0.8	4.0	2.0	53	0.3	0.5	0.1	54	1.22	0.078
REP 1675207	QC	0.6	28.9	5.1	51	<0.1	23.6	10.6	517	2.12	5.8	0.8	4.7	2.1	55	0.3	0.4	0.1	57	1.10	0.084
1678955	Soil	0.9	33.9	7.8	61	0.3	31.4	10.4	267	2.83	9.7	0.4	7.1	2.2	26	0.2	1.1	0.1	63	0.28	0.037
REP 1678955	QC	0.9	33.1	8.0	66	0.3	32.5	10.6	272	2.79	9.9	0.5	5.8	2.5	28	0.2	1.2	0.2	65	0.29	0.035
1675214	Soil	1.3	48.8	9.3	58	0.3	32.9	11.5	443	2.98	9.3	0.9	1.7	3.1	57	0.1	0.9	0.1	62	0.65	0.054
REP 1675214	QC	1.2	48.6	9.3	58	0.3	32.0	11.6	439	2.98	9.9	0.9	3.0	3.0	57	0.2	0.9	0.1	61	0.67	0.052
Reference Materials																					
STD DS11	Standard	16.6	169.9	143.7	353	1.7	82.7	14.5	1034	3.25	47.5	2.9	70.2	8.9	66	2.6	8.8	12.6	57	1.13	0.073
STD DS11	Standard	15.1	155.5	135.3	356	1.6	81.0	14.4	997	3.09	46.3	2.7	73.0	8.2	61	2.7	10.1	11.9	51	0.98	0.071
STD DS11	Standard	14.2	162.7	138.6	340	1.7	81.7	14.7	1070	3.11	46.3	2.8	93.4	8.2	67	2.7	9.7	12.2	53	1.09	0.070
STD DS11	Standard	14.8	155.0	138.9	351	1.7	78.7	13.9	997	2.89	45.7	2.7	62.8	8.6	66	2.6	9.6	12.7	52	1.02	0.069
STD DS11	Standard	14.7	164.5	143.3	351	1.7	79.2	14.7	993	3.16	46.3	2.8	77.3	8.5	67	2.6	8.8	13.4	52	1.03	0.078
STD DS11	Standard	16.2	154.9	142.7	335	1.7	82.1	14.5	1054	3.14	42.6	2.7	73.4	8.3	70	2.6	8.6	11.3	54	0.98	0.063
STD DS11	Standard	15.1	152.3	138.4	322	1.6	77.7	14.3	1043	3.30	43.7	2.8	70.3	8.2	60	2.3	9.5	11.5	52	0.99	0.072
STD DS11	Standard	14.5	142.7	137.6	327	1.7	79.8	14.0	1068	3.14	42.6	2.6	103.5	7.7	67	2.3	9.3	11.9	50	0.98	0.067
STD DS11	Standard	16.4	152.9	136.9	388	1.7	88.8	14.6	969	2.92	45.9	2.6	65.5	7.9	70	2.6	8.6	11.9	54	1.12	0.083

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1676969	Soil	44	38	0.88	218	0.128	1	2.39	0.037	0.09	0.1	0.03	9.2	0.3	<0.05	6	<0.5	<0.2
REP 1676969	QC	47	40	0.95	226	0.126	1	2.63	0.042	0.10	0.1	0.04	8.5	0.3	<0.05	7	<0.5	<0.2
1675435	Soil	15	37	0.68	642	0.115	<1	2.03	0.025	0.09	0.1	0.01	4.6	0.1	<0.05	7	<0.5	<0.2
REP 1675435	QC	14	37	0.72	660	0.117	1	2.18	0.024	0.09	0.1	0.02	4.7	0.1	<0.05	7	<0.5	<0.2
1675466	Soil	13	54	0.63	238	0.117	2	2.51	0.028	0.05	<0.1	0.02	9.3	<0.1	<0.05	8	<0.5	<0.2
REP 1675466	QC	11	53	0.63	226	0.115	2	2.38	0.026	0.05	<0.1	0.01	8.5	<0.1	<0.05	7	<0.5	<0.2
1677988	Soil	10	44	0.55	820	0.088	<1	2.10	0.019	0.04	0.1	0.02	4.9	<0.1	<0.05	6	<0.5	<0.2
REP 1677988	QC	10	44	0.60	792	0.095	<1	2.15	0.023	0.05	0.1	0.03	5.0	<0.1	<0.05	7	<0.5	<0.2
1679331	Soil	9	37	0.65	211	0.109	2	2.29	0.019	0.05	<0.1	0.02	5.0	<0.1	<0.05	7	<0.5	<0.2
REP 1679331	QC	9	38	0.71	215	0.110	4	2.10	0.021	0.06	<0.1	<0.01	4.4	0.1	<0.05	7	<0.5	<0.2
1493876	Soil	7	38	0.46	323	0.080	2	1.75	0.040	0.06	0.1	0.03	4.8	<0.1	<0.05	6	<0.5	<0.2
REP 1493876	QC	7	38	0.50	325	0.084	3	1.88	0.034	0.06	<0.1	0.02	5.5	<0.1	<0.05	6	<0.5	<0.2
1675207	Soil	10	30	0.56	277	0.084	2	1.44	0.034	0.06	0.1	0.02	3.8	<0.1	<0.05	4	<0.5	<0.2
REP 1675207	QC	10	29	0.57	286	0.079	2	1.41	0.032	0.05	0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
1678955	Soil	10	30	0.55	545	0.077	1	1.61	0.019	0.06	<0.1	0.04	3.4	<0.1	<0.05	4	<0.5	<0.2
REP 1678955	QC	11	30	0.46	597	0.083	1	1.51	0.018	0.07	0.1	0.04	3.7	<0.1	<0.05	5	<0.5	<0.2
1675214	Soil	14	32	0.57	1010	0.083	1	1.72	0.026	0.07	0.1	0.08	5.1	0.1	<0.05	5	<0.5	<0.2
REP 1675214	QC	14	33	0.59	993	0.082	1	1.65	0.026	0.07	<0.1	0.06	5.2	0.1	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS11	Standard	20	65	0.85	401	0.099	7	1.16	0.077	0.42	3.1	0.26	3.3	4.9	0.25	5	2.8	4.8
STD DS11	Standard	18	58	0.84	386	0.087	7	1.13	0.073	0.39	2.9	0.28	3.2	4.4	0.25	5	2.0	4.4
STD DS11	Standard	18	60	0.79	361	0.093	7	1.10	0.071	0.39	3.1	0.26	3.1	5.1	0.26	5	2.5	4.9
STD DS11	Standard	20	59	0.84	391	0.098	6	1.10	0.078	0.39	3.0	0.26	3.6	5.2	0.26	5	2.5	4.5
STD DS11	Standard	21	61	0.84	378	0.093	8	1.14	0.074	0.38	2.9	0.26	3.5	4.6	0.27	5	2.1	4.6
STD DS11	Standard	19	61	0.90	369	0.100	7	1.12	0.088	0.43	3.2	0.26	3.7	5.1	0.28	5	1.9	4.4
STD DS11	Standard	19	61	0.79	352	0.090	7	1.09	0.065	0.38	2.9	0.24	3.0	4.8	0.25	5	2.4	4.7
STD DS11	Standard	18	60	0.85	356	0.089	7	1.10	0.074	0.37	3.0	0.25	3.1	5.1	0.26	5	2.2	4.3
STD DS11	Standard	17	66	0.81	391	0.096	9	1.22	0.086	0.39	3.2	0.31	4.2	4.9	0.21	5	2.3	4.7

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Client: **White Gold Corp.**
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Project: WEL
Report Date: September 01, 2018

QUALITY CONTROL REPORT WHI18000712.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD OXC129	Standard	1.3	32.0	7.1	43	<0.1	84.1	22.2	434	3.15	0.9	0.8	198.0	2.1	187	<0.1	<0.1	<0.1	58	0.68	0.111
STD OXC129	Standard	1.3	26.6	6.6	40	<0.1	80.2	21.0	394	2.84	0.5	0.7	192.0	2.0	174	<0.1	<0.1	<0.1	52	0.67	0.098
STD OXC129	Standard	1.2	27.4	6.2	42	<0.1	74.1	19.5	386	2.94	0.5	0.7	189.6	1.8	175	<0.1	<0.1	<0.1	51	0.58	0.093
STD OXC129	Standard	1.3	29.9	6.8	46	<0.1	79.8	21.5	429	3.18	0.9	0.8	197.7	2.0	196	<0.1	<0.1	<0.1	55	0.72	0.101
STD OXC129	Standard	1.2	28.7	6.9	44	<0.1	84.2	21.6	436	3.18	<0.5	0.8	203.6	2.2	202	<0.1	<0.1	<0.1	57	0.74	0.119
STD OXC129	Standard	1.5	28.8	6.5	43	<0.1	80.1	23.0	425	3.14	1.4	0.7	199.8	1.9	200	<0.1	<0.1	<0.1	54	0.73	0.088
STD OXC129	Standard	1.4	28.7	6.8	44	<0.1	80.3	21.3	423	2.90	0.6	0.8	200.7	2.0	177	<0.1	<0.1	<0.1	56	0.64	0.107
STD OXC129	Standard	1.2	26.1	5.8	41	<0.1	77.3	20.7	388	3.04	0.5	0.7	190.4	1.8	178	<0.1	<0.1	<0.1	51	0.61	0.092
STD OXC129	Standard	1.3	27.6	6.3	42	<0.1	84.6	21.4	459	3.19	1.0	0.7	221.4	1.8	183	<0.1	<0.1	<0.1	54	0.80	0.103
STD OXC129 Expected		1.3	28	6.2	42.9		79.5	20.3	421	3.065	0.6	0.69	195	1.9					51	0.684	0.102
STD DS11 Expected		14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	4	<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	4	<0.01	<0.001

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Project: WEL
Report Date: September 01, 2018

QUALITY CONTROL REPORT WHI18000712.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD OXC129	Standard	14	57	1.57	52	0.405	2	1.58	0.592	0.34	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	53	1.54	52	0.380	1	1.50	0.628	0.35	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	46	1.37	47	0.353	<1	1.43	0.550	0.34	<0.1	<0.01	0.7	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	13	52	1.58	50	0.398	<1	1.53	0.640	0.35	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	14	54	1.56	52	0.422	<1	1.64	0.629	0.37	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	55	1.54	49	0.407	1	1.46	0.663	0.38	<0.1	<0.01	1.2	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	14	55	1.48	49	0.394	2	1.49	0.572	0.38	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	50	1.45	45	0.371	1	1.48	0.555	0.34	<0.1	<0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	12	55	1.59	48	0.420	2	1.67	0.640	0.38	<0.1	<0.01	1.6	<0.1	<0.05	6	<0.5	<0.2
STD OXC129 Expected		12.5	52	1.545	50	0.4	1	1.58	0.59	0.3655			1.1			5.5		
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

BUREAU VERITAS MINERAL LABORATORIES Canada

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Submitted By: Greg Dawson
Receiving Lab: Canada-Whitehorse
Received: August 27, 2018
Report Date: September 13, 2018
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI18000759.1

CLIENT JOB INFORMATION

Project: WEL
Shipment ID: WEL-20180816-001-SOIL
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201-U	319	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	320	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

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

CC: Jodie Gibson
Ben McGrath
Wes Hodson
Isaac Fage

JEFFREY CANNON
Geochemistry Department Supervisor

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

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Project: WEL
Report Date: September 13, 2018

CERTIFICATE OF ANALYSIS WHI18000759.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1673710	Soil		0.7	66.7	5.8	66	<0.1	53.1	27.1	676	3.96	7.3	0.5	4.7	2.1	34	0.1	0.4	0.1	88	0.87	0.056
1673707	Soil		1.0	44.7	7.6	70	0.1	34.3	15.3	600	3.37	7.7	0.6	1.8	2.3	51	0.2	0.6	0.2	78	1.08	0.046
1673712	Soil		0.6	51.8	6.2	53	<0.1	30.7	14.4	513	2.88	7.9	0.6	3.7	2.4	41	0.1	0.5	0.1	74	0.87	0.070
1673715	Soil		0.7	37.0	4.9	58	<0.1	24.5	12.1	349	2.30	5.5	0.7	1.8	1.9	50	0.2	0.4	0.1	63	0.90	0.070
1673700	Soil		1.2	72.6	8.4	74	0.1	48.1	24.1	738	4.26	12.1	0.8	1.6	2.4	27	0.2	1.0	0.2	107	0.67	0.036
1673714	Soil		0.5	47.8	6.7	48	0.2	30.9	16.8	315	3.07	8.8	1.0	5.9	2.3	44	0.1	0.7	0.1	74	1.08	0.061
1673708	Soil		1.2	31.3	7.1	76	<0.1	30.9	25.3	779	4.02	8.1	0.6	1.3	1.8	25	0.3	0.5	0.2	95	0.49	0.058
1673711	Soil		0.6	50.9	6.8	52	<0.1	31.4	16.1	529	2.79	6.7	0.5	3.5	2.2	40	0.1	0.4	0.1	69	0.86	0.042
1677582	Soil		0.8	71.6	5.4	56	<0.1	35.1	18.4	478	3.63	6.7	0.5	1.0	1.8	31	0.1	0.5	0.1	93	0.58	0.038
1677580	Soil		0.5	37.8	4.2	52	<0.1	14.3	10.5	310	1.81	4.7	0.5	1.6	1.0	52	0.1	0.5	<0.1	46	1.42	0.057
1673709	Soil		1.0	49.6	7.6	53	0.1	39.7	15.7	442	3.54	8.8	1.0	11.8	3.1	36	<0.1	0.6	0.1	83	0.61	0.046
1673713	Soil		0.5	50.0	6.8	50	<0.1	31.2	13.8	368	2.90	7.6	0.6	3.4	2.6	44	<0.1	0.4	0.1	73	0.92	0.057
1677579	Soil		0.4	45.9	4.9	48	<0.1	29.1	11.3	426	2.29	6.5	0.9	3.5	1.7	59	0.2	0.5	<0.1	58	1.20	0.072
1677578	Soil		0.8	34.6	7.1	60	<0.1	34.3	17.8	480	3.04	9.5	0.6	4.9	2.4	45	0.2	0.7	0.1	78	0.80	0.060
1677575	Soil		0.5	37.6	4.9	45	<0.1	23.4	18.6	468	2.48	15.9	0.6	5.6	1.4	57	0.1	1.2	<0.1	64	1.39	0.069
1673695	Soil		0.6	15.5	18.0	54	<0.1	17.6	10.7	380	2.27	24.6	1.1	7.9	4.2	38	0.1	0.5	0.2	49	0.59	0.059
1673689	Soil		0.7	25.4	13.6	54	0.1	19.3	11.4	381	2.40	41.7	1.6	18.1	2.6	36	0.2	0.5	0.2	52	0.57	0.075
1673688	Soil		0.4	26.0	8.2	67	<0.1	22.3	16.1	402	2.89	10.4	1.1	4.5	2.9	56	0.2	0.4	0.1	75	1.03	0.093
1673686	Soil		0.6	37.9	38.3	67	0.2	25.0	16.3	521	2.67	8.1	0.6	6.7	1.9	50	0.3	0.6	<0.1	70	1.19	0.055
1673690	Soil		0.8	16.9	21.6	62	<0.1	16.9	14.8	835	2.41	29.6	1.5	7.5	5.0	32	0.2	0.5	0.2	48	0.49	0.071
1673694	Soil		0.5	12.4	21.3	52	<0.1	19.1	15.1	611	2.33	44.6	0.6	6.2	6.9	20	0.1	0.5	0.2	54	0.35	0.058
1673685	Soil		0.3	42.4	24.4	72	0.2	26.0	11.9	341	2.25	7.5	0.8	2.9	2.1	58	0.4	0.6	0.1	68	1.49	0.050
1673687	Soil		0.5	28.6	5.8	52	<0.1	18.8	12.2	624	2.19	7.7	0.8	4.2	1.5	87	0.4	0.5	0.1	53	1.65	0.077
1679171	Soil		1.3	71.3	7.9	60	0.1	34.0	32.2	678	4.91	20.1	0.5	1.2	2.3	49	0.3	1.2	0.1	134	1.33	0.035
1673684	Soil		0.4	51.8	11.8	52	0.2	25.4	11.2	355	2.03	6.3	0.9	2.9	1.3	73	0.5	0.6	0.1	46	2.04	0.060
1673692	Soil		0.6	18.8	19.7	56	0.1	17.5	11.5	332	2.74	22.9	1.7	7.6	4.5	46	<0.1	0.5	0.2	61	0.67	0.061
1673683	Soil		0.7	56.2	6.7	51	<0.1	30.5	16.5	416	3.14	10.5	1.0	3.7	2.4	57	0.2	0.5	0.1	76	1.46	0.034
1679174	Soil		0.4	41.9	7.4	63	<0.1	26.9	12.8	371	2.55	6.8	0.8	7.2	2.4	56	0.2	0.8	0.1	70	1.22	0.070
1673693	Soil		0.5	26.0	23.5	57	0.1	21.1	15.0	678	2.86	61.3	2.5	15.4	5.3	34	0.2	0.9	0.3	58	0.57	0.084
1679168	Soil		0.5	55.7	6.9	38	0.1	32.6	9.4	419	2.44	14.3	1.2	4.9	1.8	73	0.2	0.7	0.1	51	1.53	0.069

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Project: WEL
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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1673710	Soil		11	71	1.22	133	0.130	3	2.09	0.026	0.06	<0.1	0.03	8.6	<0.1	<0.05	6	<0.5	<0.2
1673707	Soil		14	54	0.81	226	0.120	4	2.20	0.033	0.11	0.1	0.02	9.5	<0.1	<0.05	6	<0.5	<0.2
1673712	Soil		13	39	0.85	161	0.096	3	1.66	0.048	0.06	0.1	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2
1673715	Soil		10	31	0.56	132	0.088	3	1.33	0.044	0.06	<0.1	0.02	4.7	<0.1	<0.05	4	<0.5	<0.2
1673700	Soil		14	85	0.96	129	0.107	2	2.77	0.022	0.05	<0.1	0.03	10.7	<0.1	<0.05	8	<0.5	<0.2
1673714	Soil		12	46	0.84	135	0.105	2	1.79	0.033	0.05	<0.1	0.03	7.0	<0.1	<0.05	5	0.5	<0.2
1673708	Soil		8	54	0.72	138	0.109	2	2.57	0.022	0.07	<0.1	0.03	7.5	<0.1	<0.05	8	<0.5	<0.2
1673711	Soil		13	42	0.71	158	0.107	2	1.75	0.039	0.05	<0.1	0.03	6.0	<0.1	<0.05	5	<0.5	<0.2
1677582	Soil		8	49	0.80	138	0.101	2	2.14	0.027	0.05	<0.1	0.04	5.8	<0.1	<0.05	6	<0.5	<0.2
1677580	Soil		7	26	0.47	105	0.060	2	1.04	0.030	0.05	0.1	0.05	4.3	<0.1	0.11	4	<0.5	<0.2
1673709	Soil		18	58	0.81	152	0.123	2	2.23	0.028	0.09	<0.1	0.03	10.4	<0.1	<0.05	6	<0.5	<0.2
1673713	Soil		14	43	0.80	163	0.106	1	1.68	0.043	0.05	0.1	0.03	6.3	<0.1	<0.05	6	<0.5	<0.2
1677579	Soil		12	32	0.62	159	0.079	2	1.46	0.035	0.05	0.1	0.03	4.6	<0.1	<0.05	4	<0.5	<0.2
1677578	Soil		12	44	0.69	181	0.111	2	1.92	0.028	0.06	<0.1	0.02	5.8	<0.1	<0.05	6	<0.5	<0.2
1677575	Soil		11	33	0.63	118	0.089	3	1.56	0.030	0.06	0.1	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
1673695	Soil		16	26	0.48	177	0.050	1	1.47	0.020	0.15	<0.1	0.04	3.9	0.1	<0.05	5	<0.5	<0.2
1673689	Soil		14	30	0.57	138	0.050	1	1.63	0.019	0.10	0.1	0.05	4.3	0.1	<0.05	6	<0.5	<0.2
1673688	Soil		12	38	1.02	113	0.094	2	1.84	0.027	0.15	0.1	0.03	6.1	0.1	0.05	7	<0.5	<0.2
1673686	Soil		11	46	0.86	133	0.108	2	1.67	0.038	0.05	0.1	0.04	6.7	<0.1	<0.05	5	<0.5	<0.2
1673690	Soil		15	28	0.51	169	0.047	1	1.70	0.019	0.19	<0.1	0.03	4.4	0.2	<0.05	5	<0.5	<0.2
1673694	Soil		18	26	0.49	118	0.055	<1	1.42	0.018	0.19	<0.1	0.01	3.2	0.1	<0.05	5	<0.5	<0.2
1673685	Soil		12	42	0.72	148	0.097	3	1.63	0.032	0.05	0.1	0.03	7.0	<0.1	<0.05	5	0.7	<0.2
1673687	Soil		10	24	0.69	107	0.063	2	1.37	0.024	0.12	<0.1	0.04	5.1	<0.1	<0.05	4	<0.5	<0.2
1679171	Soil		12	49	0.86	117	0.170	3	2.60	0.022	0.15	0.1	0.02	10.6	<0.1	<0.05	9	<0.5	<0.2
1673684	Soil		10	33	0.51	171	0.060	3	1.47	0.031	0.05	<0.1	0.04	6.1	<0.1	0.06	4	0.6	<0.2
1673692	Soil		19	26	0.53	186	0.051	1	1.68	0.023	0.17	<0.1	0.04	4.7	0.1	<0.05	5	<0.5	<0.2
1673683	Soil		16	43	0.59	198	0.092	2	2.08	0.044	0.14	<0.1	0.02	7.6	<0.1	<0.05	7	<0.5	<0.2
1679174	Soil		13	39	0.82	145	0.106	2	1.79	0.048	0.07	0.1	0.03	7.1	<0.1	<0.05	5	<0.5	<0.2
1673693	Soil		19	31	0.55	173	0.035	1	1.82	0.020	0.17	<0.1	0.06	5.1	0.1	<0.05	5	<0.5	<0.2
1679168	Soil		15	34	0.54	182	0.052	2	1.37	0.040	0.08	<0.1	0.04	5.2	<0.1	<0.05	4	<0.5	<0.2

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1679169	Soil		1.1	33.2	6.9	62	<0.1	34.2	23.1	688	4.69	10.4	0.7	1.7	3.1	38	<0.1	0.9	0.2	112	0.69	0.030
1679172	Soil		0.4	47.9	6.3	44	<0.1	27.9	12.3	396	2.71	13.6	0.9	6.8	1.7	70	0.2	0.8	0.1	69	1.63	0.050
1679170	Soil		0.6	70.3	6.1	54	<0.1	38.6	16.5	546	2.92	11.2	0.5	3.6	2.0	69	0.1	0.7	0.1	69	2.10	0.052
1679167	Soil		0.7	39.0	9.4	55	0.2	34.0	15.5	752	3.34	95.1	1.0	9.4	4.0	56	0.2	1.0	0.1	77	1.05	0.057
1679152	Soil		0.7	48.2	6.1	52	0.1	30.1	12.8	417	2.31	8.6	0.6	2.7	1.3	58	0.3	0.5	0.1	59	1.73	0.057
1679155	Soil		0.5	17.2	5.0	47	<0.1	14.4	10.0	393	1.89	4.3	0.6	2.0	0.9	62	0.2	0.4	<0.1	51	1.07	0.072
1679166	Soil		0.9	25.1	20.9	42	0.2	26.9	11.3	499	2.85	69.5	1.3	3.7	7.9	38	0.1	0.6	0.2	63	0.66	0.033
1679165	Soil		1.1	20.6	12.2	48	0.1	23.9	12.9	530	3.05	12.6	0.6	1.7	3.7	36	0.1	0.6	0.2	68	0.54	0.044
1679154	Soil		0.6	23.9	5.4	52	<0.1	18.7	14.8	842	2.44	5.1	0.6	2.4	1.0	62	0.2	0.4	0.1	63	1.20	0.080
1679178	Soil		0.6	25.4	5.4	58	<0.1	28.3	14.7	491	2.71	6.6	0.5	5.4	1.6	43	0.1	0.5	0.1	77	0.91	0.071
1679175	Soil		0.4	35.2	7.0	57	<0.1	26.1	11.9	398	2.41	6.6	0.6	14.1	2.3	55	0.2	0.8	0.1	67	1.18	0.066
1679151	Soil		0.8	36.5	5.5	48	<0.1	28.4	16.6	351	3.08	8.0	0.4	1.4	1.9	26	0.2	0.4	0.1	84	0.49	0.035
1679156	Soil		0.6	19.3	4.5	39	<0.1	12.6	11.1	548	1.74	3.0	0.6	1.4	0.5	49	0.1	0.3	0.1	43	0.78	0.079
1679177	Soil		0.6	42.0	5.4	59	<0.1	28.6	12.5	419	2.64	8.1	0.5	3.2	2.4	62	0.1	0.5	0.1	78	1.30	0.078
1679173	Soil		0.3	32.9	4.9	42	<0.1	22.5	11.6	434	2.71	6.4	0.7	6.3	1.4	76	0.1	0.7	<0.1	60	1.79	0.056
1679150	Soil		0.7	42.3	8.7	53	0.1	32.0	15.0	337	3.02	7.4	0.5	17.7	2.3	33	0.3	0.5	0.1	84	0.74	0.052
1679153	Soil		0.9	41.3	6.7	53	0.1	45.5	20.9	304	3.04	11.8	0.7	1.8	1.6	30	0.2	1.0	0.1	78	0.51	0.049
1679176	Soil		0.4	38.7	5.7	57	<0.1	27.6	11.8	322	2.69	7.0	0.8	3.3	2.1	44	<0.1	0.5	0.1	79	0.83	0.065
1679149	Soil		0.6	38.5	8.1	46	0.1	27.5	14.0	279	2.53	6.6	0.5	18.9	1.9	33	0.3	0.4	0.2	78	0.72	0.045
1677568	Soil		1.2	23.5	17.5	59	0.2	28.1	15.0	491	3.26	25.6	0.9	2.4	7.5	34	0.2	0.8	0.2	67	0.55	0.032
1679157	Soil		0.5	23.0	4.4	34	<0.1	16.1	9.6	434	1.91	3.3	0.6	3.7	0.7	59	0.2	0.4	0.1	52	1.38	0.070
1677564	Soil		0.5	31.7	5.8	48	<0.1	25.2	13.9	474	3.01	7.7	1.1	2.6	2.2	47	0.2	0.5	0.1	75	0.95	0.057
1677569	Soil		1.8	36.8	9.3	71	0.1	31.4	20.5	1503	4.53	12.2	0.9	4.1	2.9	33	0.3	0.9	0.1	102	0.73	0.056
1677566	Soil		0.6	30.7	8.5	48	0.1	22.4	13.2	569	2.90	23.1	1.0	8.6	2.4	51	0.2	0.6	0.1	70	1.09	0.069
1679160	Soil		0.4	32.9	5.8	57	<0.1	23.0	15.0	535	3.11	6.2	0.5	2.6	2.7	46	0.1	0.3	0.1	88	0.76	0.046
1679164	Soil		0.8	24.9	14.6	55	0.1	27.0	14.0	558	3.39	31.2	1.1	2.6	5.7	39	0.1	0.6	0.2	69	0.65	0.044
1677563	Soil		0.8	38.4	6.6	63	<0.1	34.4	19.0	789	4.06	8.5	0.5	3.4	2.4	46	0.1	0.6	<0.1	104	0.83	0.048
1677571	Soil		0.4	29.7	6.2	66	<0.1	32.2	17.2	717	2.77	10.5	0.6	2.8	2.2	53	0.2	1.0	<0.1	68	1.25	0.092
1679158	Soil		2.0	13.2	6.5	38	<0.1	11.3	8.8	221	4.26	10.6	0.3	10.8	1.0	16	0.1	0.5	0.2	134	0.17	0.048
1679179	Soil		0.7	26.4	4.4	48	<0.1	56.2	16.0	348	2.69	5.7	0.4	2.3	1.1	28	<0.1	1.1	0.1	77	0.61	0.049

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1679169	Soil	15	54	0.90	131	0.163	<1	2.92	0.025	0.09	<0.1	0.02	12.1	<0.1	<0.05	9	<0.5	<0.2
1679172	Soil	15	37	0.73	159	0.073	3	1.94	0.038	0.07	0.1	0.04	5.3	<0.1	<0.05	6	0.6	<0.2
1679170	Soil	13	43	0.79	189	0.095	2	1.75	0.051	0.06	0.1	0.04	6.1	<0.1	<0.05	5	<0.5	<0.2
1679167	Soil	17	46	0.75	166	0.071	3	1.84	0.033	0.15	<0.1	0.03	8.3	<0.1	<0.05	6	<0.5	<0.2
1679152	Soil	10	41	0.61	150	0.071	3	1.75	0.028	0.05	0.1	0.05	5.9	<0.1	<0.05	5	<0.5	<0.2
1679155	Soil	9	25	0.49	123	0.055	2	1.27	0.025	0.05	<0.1	0.05	4.1	<0.1	0.07	4	<0.5	<0.2
1679166	Soil	20	36	0.54	142	0.073	3	1.75	0.026	0.19	<0.1	0.03	5.8	0.1	<0.05	5	<0.5	<0.2
1679165	Soil	11	34	0.51	166	0.075	3	2.00	0.022	0.15	<0.1	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
1679154	Soil	11	31	0.61	130	0.071	3	1.43	0.023	0.06	0.1	0.04	4.8	<0.1	0.07	5	<0.5	<0.2
1679178	Soil	10	39	0.76	122	0.101	4	1.49	0.049	0.06	0.1	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
1679175	Soil	12	37	0.69	128	0.102	3	1.59	0.037	0.06	0.1	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2
1679151	Soil	10	46	0.69	107	0.116	2	1.92	0.026	0.06	0.2	0.03	4.7	<0.1	<0.05	6	<0.5	<0.2
1679156	Soil	9	22	0.42	110	0.049	3	1.28	0.023	0.04	<0.1	0.05	3.2	<0.1	0.07	4	<0.5	<0.2
1679177	Soil	13	33	0.72	143	0.115	3	1.52	0.062	0.07	0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
1679173	Soil	13	30	0.80	127	0.084	3	1.65	0.033	0.08	<0.1	0.03	5.3	<0.1	0.08	5	<0.5	<0.2
1679150	Soil	11	45	0.69	102	0.123	2	1.82	0.033	0.05	0.2	0.03	5.1	<0.1	<0.05	6	<0.5	<0.2
1679153	Soil	10	53	0.75	127	0.089	2	2.13	0.026	0.04	0.1	0.05	5.6	<0.1	<0.05	6	<0.5	<0.2
1679176	Soil	12	35	0.68	153	0.106	2	1.84	0.047	0.05	0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
1679149	Soil	10	39	0.58	101	0.113	2	1.60	0.030	0.04	0.2	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
1677568	Soil	15	40	0.60	130	0.069	2	1.88	0.020	0.15	<0.1	0.02	5.8	0.1	<0.05	6	<0.5	<0.2
1679157	Soil	12	22	0.45	115	0.052	2	1.63	0.025	0.05	<0.1	0.05	4.2	<0.1	<0.05	5	<0.5	<0.2
1677564	Soil	13	34	0.85	152	0.107	2	2.00	0.034	0.08	<0.1	0.04	5.9	<0.1	<0.05	6	<0.5	<0.2
1677569	Soil	23	43	0.80	189	0.091	2	3.09	0.022	0.12	<0.1	0.03	11.3	0.1	<0.05	10	<0.5	<0.2
1677566	Soil	12	31	0.74	158	0.096	2	1.81	0.031	0.10	<0.1	0.04	5.3	<0.1	<0.05	5	<0.5	<0.2
1679160	Soil	14	34	0.90	166	0.119	1	2.22	0.040	0.05	<0.1	0.04	6.9	<0.1	<0.05	7	<0.5	<0.2
1679164	Soil	17	40	0.61	131	0.091	2	2.16	0.031	0.15	<0.1	0.02	6.0	0.1	<0.05	6	<0.5	<0.2
1677563	Soil	15	46	1.04	146	0.143	2	2.14	0.037	0.06	<0.1	0.04	9.7	<0.1	<0.05	8	<0.5	<0.2
1677571	Soil	13	43	0.81	141	0.072	2	1.59	0.030	0.08	<0.1	0.04	6.8	<0.1	<0.05	6	<0.5	<0.2
1679158	Soil	6	26	0.46	67	0.147	1	1.37	0.011	0.04	<0.1	0.02	2.6	<0.1	<0.05	9	<0.5	<0.2
1679179	Soil	6	68	0.88	86	0.094	2	1.58	0.024	0.04	<0.1	0.03	4.5	<0.1	<0.05	5	<0.5	<0.2

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Project: WEL
Report Date: September 13, 2018

CERTIFICATE OF ANALYSIS WHI18000759.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1677565	Soil	0.4	38.5	6.7	44	<0.1	26.4	13.3	471	2.75	8.6	1.4	7.5	2.0	68	0.1	0.6	0.1	69	1.44	0.064
1677570	Soil	0.8	53.6	6.7	54	<0.1	35.2	19.1	714	3.63	10.4	0.4	4.9	2.3	58	0.2	0.6	0.1	96	1.33	0.047
1677572	Soil	0.4	32.6	4.6	53	<0.1	30.1	15.6	579	2.68	6.2	0.6	2.9	1.7	53	0.1	0.7	<0.1	70	1.41	0.082
1679180	Soil	0.3	11.1	1.2	6	<0.1	4.0	1.4	18	0.40	0.7	0.2	0.8	<0.1	23	<0.1	0.3	<0.1	9	0.43	0.027
1679161	Soil	1.3	23.8	12.7	48	<0.1	25.5	13.3	520	2.88	67.6	0.7	7.3	3.9	33	0.1	0.6	0.2	76	0.53	0.053
1673698	Soil	1.3	29.5	7.3	74	<0.1	37.8	22.6	782	4.85	10.2	0.5	1.2	2.4	27	0.1	0.7	0.1	122	0.53	0.141
1673697	Soil	0.8	29.0	7.1	53	<0.1	40.8	18.7	801	2.95	8.1	0.5	4.5	1.9	39	0.1	0.6	0.1	82	0.85	0.080
1673706	Soil	1.1	43.2	7.5	72	0.1	32.2	24.4	809	3.79	8.4	0.6	1.0	1.4	36	0.5	0.6	0.1	88	0.87	0.078
1677567	Soil	0.6	15.0	32.7	38	0.2	14.0	7.8	721	1.88	38.2	0.6	1.8	10.8	22	0.1	1.2	0.3	34	0.35	0.031
1673699	Soil	0.9	85.5	7.9	69	<0.1	61.1	28.1	710	5.45	15.9	0.8	1.5	2.4	29	0.1	1.1	0.1	131	0.69	0.042
1673696	Soil	0.8	21.9	19.1	45	<0.1	26.4	13.4	353	2.57	45.9	1.2	12.0	8.0	30	<0.1	0.8	0.2	54	0.44	0.076
1673702	Soil	1.4	47.4	9.7	57	<0.1	34.7	14.7	881	3.10	10.4	0.9	6.9	3.2	36	<0.1	1.0	0.2	81	0.60	0.051
1679163	Soil	0.7	18.5	17.9	50	<0.1	17.3	7.8	272	2.77	15.7	0.9	2.5	10.2	29	<0.1	1.1	0.3	46	0.43	0.069
1679159	Soil	0.8	14.9	6.5	36	<0.1	12.7	7.0	222	2.01	4.1	0.3	3.4	1.1	21	<0.1	0.3	0.1	65	0.33	0.025
1673703	Soil	1.3	52.8	7.5	75	0.1	36.6	24.9	684	3.74	8.8	0.6	3.3	1.5	34	0.3	0.9	0.2	93	0.66	0.058
1673704	Soil	1.0	56.9	7.4	65	0.2	65.2	34.1	871	4.24	7.7	0.6	4.0	2.1	32	0.2	0.6	0.1	110	0.73	0.040
1679181	Soil	0.4	20.9	4.4	17	<0.1	7.7	3.3	49	0.84	1.8	0.2	2.4	0.3	16	<0.1	0.2	0.1	25	0.26	0.022
1679162	Soil	1.0	16.7	21.5	45	0.1	17.2	7.7	341	2.47	211.3	0.7	39.7	7.1	23	<0.1	2.8	0.2	52	0.35	0.033
1673705	Soil	1.1	51.6	7.0	76	0.2	35.3	29.0	899	3.54	7.9	0.5	<0.5	1.1	33	0.4	0.8	0.1	86	0.72	0.095
1673701	Soil	0.5	85.8	5.7	59	0.1	39.4	17.4	633	3.62	12.6	0.3	4.9	2.4	62	<0.1	0.9	<0.1	103	2.37	0.060
1677557	Soil	0.4	37.3	4.3	52	<0.1	19.3	18.6	720	3.59	4.3	0.6	0.8	1.4	54	0.2	0.3	<0.1	101	0.87	0.084
1677555	Soil	0.7	30.1	7.1	66	<0.1	24.0	12.3	656	2.24	5.8	0.7	3.8	1.0	62	0.2	0.6	<0.1	61	1.45	0.075
1677574	Soil	0.5	39.3	4.9	46	<0.1	25.1	17.4	499	2.79	16.6	0.6	6.6	1.6	56	<0.1	1.3	<0.1	80	1.50	0.063
1677581	Soil	0.8	93.5	6.0	52	0.1	33.5	19.5	527	3.62	11.9	0.8	2.3	1.9	50	0.2	0.8	0.1	103	1.24	0.050
1677551	Soil	0.7	67.6	5.1	49	0.1	31.5	14.5	570	2.32	8.0	0.5	0.8	1.1	45	0.4	0.4	0.1	68	1.11	0.062
1677554	Soil	0.7	34.8	18.6	61	0.6	25.3	12.3	540	2.12	28.9	1.3	3.3	2.0	62	0.3	2.3	0.1	51	1.22	0.065
1677559	Soil	1.4	32.5	8.2	53	0.1	28.9	14.9	338	3.98	9.7	0.7	4.2	2.5	24	<0.1	0.6	0.2	96	0.35	0.042
1677577	Soil	0.6	34.9	7.5	45	<0.1	32.7	12.6	516	2.71	11.0	0.5	4.1	1.6	50	0.3	1.0	0.1	71	1.01	0.047
1677553	Soil	1.2	25.7	23.3	69	0.7	17.7	17.3	398	1.99	10.8	0.7	1.5	1.3	29	0.2	0.9	0.1	64	0.55	0.062
1677562	Soil	0.6	37.2	6.9	54	<0.1	28.7	15.0	562	3.40	7.1	0.4	3.3	2.5	53	<0.1	0.5	<0.1	86	0.87	0.052

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1677565	Soil	13	34	0.77	151	0.087	2	1.94	0.035	0.09	<0.1	0.05	6.3	<0.1	<0.05	6	0.7	<0.2
1677570	Soil	14	40	0.79	180	0.103	4	2.09	0.042	0.09	<0.1	0.04	7.7	<0.1	<0.05	7	0.6	<0.2
1677572	Soil	11	43	0.75	120	0.111	2	1.71	0.037	0.05	0.1	0.03	6.0	<0.1	<0.05	6	<0.5	<0.2
1679180	Soil	2	7	0.06	34	0.019	1	0.28	0.026	0.02	<0.1	0.03	1.0	<0.1	<0.05	<1	<0.5	<0.2
1679161	Soil	13	37	0.64	187	0.071	1	1.90	0.021	0.13	<0.1	0.02	5.0	0.1	<0.05	6	<0.5	<0.2
1673698	Soil	13	60	1.12	142	0.090	1	3.19	0.014	0.08	<0.1	0.02	8.3	<0.1	<0.05	10	<0.5	<0.2
1673697	Soil	10	47	0.75	173	0.120	2	2.21	0.033	0.05	<0.1	0.02	5.3	<0.1	<0.05	8	<0.5	<0.2
1673706	Soil	9	57	0.76	180	0.109	2	2.57	0.025	0.12	<0.1	0.03	7.2	<0.1	<0.05	7	<0.5	<0.2
1677567	Soil	23	18	0.24	148	0.028	1	1.03	0.010	0.24	<0.1	0.02	3.4	0.1	<0.05	3	<0.5	<0.2
1673699	Soil	12	96	1.32	100	0.153	2	3.24	0.025	0.06	<0.1	0.02	13.6	<0.1	<0.05	10	<0.5	<0.2
1673696	Soil	20	29	0.46	205	0.047	1	1.63	0.020	0.17	<0.1	0.02	3.8	0.2	<0.05	5	<0.5	<0.2
1673702	Soil	15	41	0.70	228	0.094	1	1.97	0.033	0.07	<0.1	0.02	7.0	<0.1	<0.05	6	<0.5	<0.2
1679163	Soil	25	25	0.54	114	0.050	2	1.59	0.012	0.19	<0.1	0.01	3.7	0.2	<0.05	5	<0.5	<0.2
1679159	Soil	6	21	0.45	93	0.082	1	1.30	0.019	0.06	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2
1673703	Soil	9	54	0.78	195	0.097	2	2.59	0.020	0.09	<0.1	0.03	7.9	<0.1	<0.05	7	<0.5	<0.2
1673704	Soil	10	87	0.97	168	0.154	2	2.65	0.019	0.07	<0.1	0.02	10.8	<0.1	<0.05	7	<0.5	<0.2
1679181	Soil	4	16	0.15	45	0.039	2	0.71	0.015	0.02	<0.1	0.03	1.7	<0.1	<0.05	4	<0.5	<0.2
1679162	Soil	16	25	0.42	123	0.055	<1	1.42	0.009	0.14	<0.1	0.02	3.3	0.1	<0.05	4	<0.5	<0.2
1673705	Soil	7	47	0.72	145	0.090	3	2.43	0.026	0.10	<0.1	0.03	6.8	0.1	<0.05	7	<0.5	<0.2
1673701	Soil	15	48	1.15	134	0.119	3	1.98	0.042	0.10	<0.1	0.03	7.9	<0.1	<0.05	6	<0.5	<0.2
1677557	Soil	13	24	1.15	117	0.126	2	2.03	0.022	0.08	0.1	0.03	6.7	<0.1	<0.05	7	<0.5	<0.2
1677555	Soil	8	36	0.68	115	0.067	3	1.48	0.027	0.05	<0.1	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
1677574	Soil	11	33	0.72	115	0.108	3	1.72	0.038	0.06	0.2	0.04	6.0	<0.1	<0.05	5	<0.5	<0.2
1677581	Soil	11	51	0.76	162	0.079	3	2.55	0.028	0.05	<0.1	0.04	8.4	0.1	<0.05	7	<0.5	<0.2
1677551	Soil	10	37	0.58	151	0.082	2	1.78	0.023	0.06	<0.1	0.04	4.7	<0.1	<0.05	5	<0.5	<0.2
1677554	Soil	14	32	0.53	162	0.055	3	1.62	0.022	0.06	<0.1	0.06	5.0	<0.1	<0.05	4	<0.5	<0.2
1677559	Soil	9	44	0.69	149	0.108	2	2.93	0.017	0.04	<0.1	0.03	4.9	0.1	<0.05	8	<0.5	<0.2
1677577	Soil	12	44	0.66	167	0.096	3	1.93	0.029	0.07	0.1	0.03	5.1	<0.1	<0.05	6	<0.5	<0.2
1677553	Soil	9	32	0.52	108	0.060	2	1.40	0.020	0.04	<0.1	0.04	3.9	<0.1	<0.05	5	<0.5	<0.2
1677562	Soil	13	37	1.01	152	0.118	2	2.14	0.037	0.06	0.1	0.03	7.2	<0.1	<0.05	6	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1677560	Soil	0.8	31.0	6.8	48	<0.1	21.0	16.7	538	3.19	6.1	0.6	1.6	1.6	40	0.2	0.5	0.1	84	0.76	0.035
1677576	Soil	1.5	62.9	16.2	89	0.3	37.2	17.5	978	3.06	25.1	0.6	9.4	3.4	53	0.9	1.6	0.2	80	0.89	0.088
1677556	Soil	0.8	11.8	5.4	59	<0.1	12.6	10.8	412	2.81	6.2	0.5	1.0	1.0	34	<0.1	0.3	<0.1	78	0.53	0.080
1677558	Soil	1.0	11.4	5.7	23	<0.1	7.7	4.5	137	1.67	3.6	0.3	1.3	0.7	14	<0.1	0.3	0.1	59	0.15	0.027
1677561	Soil	0.6	37.8	5.8	55	<0.1	25.4	17.1	894	3.33	6.5	0.9	4.3	1.9	50	0.3	0.5	0.1	81	0.99	0.056
1677573	Soil	0.2	43.6	4.5	51	<0.1	27.2	13.1	506	2.34	3.8	0.7	5.9	1.3	64	0.2	0.8	<0.1	62	1.78	0.073
1678284	Soil	1.0	49.0	9.6	58	0.2	31.3	20.0	532	3.17	7.3	0.8	1.3	2.5	33	0.2	0.5	0.1	81	0.53	0.032
1678283	Soil	1.0	24.4	3.8	40	<0.1	21.8	10.9	189	2.44	7.5	0.3	9.0	1.2	19	0.3	0.3	<0.1	82	0.34	0.031
1678296	Soil	0.7	57.7	6.2	44	<0.1	36.7	15.7	574	3.08	9.2	0.8	2.4	1.0	74	0.2	0.7	<0.1	82	1.59	0.060
1677552	Soil	1.2	29.9	5.0	48	<0.1	19.8	9.5	393	1.99	5.2	0.4	0.5	0.7	30	0.3	0.4	0.1	56	0.56	0.052
1678303	Soil	0.6	20.1	19.9	57	0.2	21.9	10.5	414	2.70	18.7	1.2	3.4	6.5	29	0.1	0.7	0.2	54	0.44	0.065
1678302	Soil	0.6	22.5	19.4	34	0.2	15.2	5.0	178	1.67	9.5	2.1	3.4	1.1	34	0.3	0.3	0.2	31	0.47	0.072
1678295	Soil	0.6	41.5	6.1	40	<0.1	31.3	13.9	395	2.91	6.9	0.5	1.5	1.2	63	0.2	0.5	<0.1	70	1.07	0.043
1678294	Soil	0.6	49.4	5.4	50	<0.1	23.9	13.8	697	3.39	7.9	0.6	4.2	1.2	91	0.3	0.8	<0.1	85	1.66	0.075
1678286	Soil	1.2	36.2	4.2	25	0.2	14.6	8.2	911	1.16	10.0	1.4	1.2	0.2	68	0.3	1.0	<0.1	27	2.00	0.089
1678304	Soil	0.5	30.5	9.4	59	0.1	25.7	13.6	569	2.71	13.3	1.3	6.5	2.4	59	0.2	1.0	0.1	60	1.34	0.094
1678297	Soil	0.6	66.1	6.1	44	<0.1	37.3	16.9	716	3.06	7.7	0.6	3.4	2.2	54	0.3	0.7	0.1	78	0.95	0.047
1678298	Soil	1.5	21.2	6.6	46	<0.1	18.6	12.4	478	3.37	5.1	0.3	<0.5	1.3	20	0.2	0.5	0.1	71	0.30	0.043
1678285	Soil	1.1	44.4	4.5	60	0.2	23.8	11.6	431	1.86	5.0	0.6	3.5	0.7	51	0.5	0.5	0.2	50	1.31	0.070
1678301	Soil	0.3	22.3	19.6	58	0.1	20.3	9.0	286	2.32	10.2	2.0	6.5	5.8	36	0.2	0.6	0.3	45	0.56	0.069
1678299	Soil	0.3	40.4	11.0	51	<0.1	27.2	9.8	276	2.52	7.6	0.9	4.5	2.7	65	0.2	0.6	0.2	56	1.55	0.079
1678300	Soil	0.3	47.4	7.9	52	<0.1	27.6	12.1	391	2.58	6.0	0.9	3.3	2.0	69	0.2	0.5	0.2	65	1.67	0.071
1678291	Soil	0.9	33.9	5.8	59	<0.1	25.0	21.1	805	3.83	6.7	0.5	2.2	2.0	26	0.2	0.5	0.1	110	0.41	0.040
1678287	Soil	0.7	35.2	5.6	51	0.1	24.2	11.4	344	1.77	3.7	1.4	2.2	1.0	54	0.2	0.9	0.1	47	1.46	0.060
1678307	Soil	0.7	23.2	6.2	50	<0.1	24.5	13.5	285	3.32	12.7	0.4	1.7	1.9	32	<0.1	0.6	0.1	85	0.55	0.034
1678288	Soil	0.9	69.0	9.3	52	0.1	29.4	12.5	1052	1.86	5.9	1.1	3.1	0.7	76	0.8	0.7	0.1	50	1.95	0.078
1678312	Soil	0.4	61.8	4.5	53	0.1	33.4	14.2	652	2.27	8.6	0.7	5.6	1.0	63	0.1	1.1	<0.1	59	1.49	0.061
1678308	Soil	0.8	30.5	6.2	46	<0.1	19.9	12.8	914	2.69	10.1	0.6	0.7	1.5	37	0.2	0.6	0.1	68	0.74	0.024
1678293	Soil	0.5	64.6	6.2	56	0.1	35.5	19.6	650	3.83	12.1	1.0	2.2	2.0	68	0.3	0.6	0.1	100	1.30	0.053
1678289	Soil	0.8	31.4	6.9	51	<0.1	29.7	13.9	244	3.12	9.2	0.7	13.7	2.6	33	<0.1	0.5	0.2	77	0.42	0.033

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Project: WEL
Report Date: September 13, 2018

CERTIFICATE OF ANALYSIS WHI18000759.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1677560	Soil		11	30	0.72	147	0.110	2	2.10	0.024	0.06	<0.1	0.03	4.2	<0.1	<0.05	7	<0.5	<0.2
1677576	Soil		15	34	0.75	154	0.088	2	1.82	0.032	0.06	0.1	0.04	6.3	0.1	<0.05	6	<0.5	<0.2
1677556	Soil		8	24	0.74	99	0.070	2	1.62	0.017	0.06	<0.1	0.04	4.0	<0.1	<0.05	6	<0.5	<0.2
1677558	Soil		5	16	0.27	58	0.075	<1	1.00	0.010	0.04	<0.1	0.02	1.7	<0.1	<0.05	6	<0.5	<0.2
1677561	Soil		15	30	0.89	152	0.104	2	2.29	0.032	0.07	<0.1	0.04	6.9	<0.1	<0.05	6	<0.5	<0.2
1677573	Soil		11	35	0.77	132	0.087	3	1.78	0.032	0.06	<0.1	0.04	6.6	<0.1	<0.05	5	0.6	<0.2
1678284	Soil		11	41	0.65	143	0.095	2	2.34	0.028	0.04	<0.1	0.02	5.9	0.1	<0.05	7	<0.5	<0.2
1678283	Soil		5	34	0.49	71	0.117	1	1.25	0.015	0.04	0.1	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2
1678296	Soil		11	46	0.77	128	0.065	3	1.89	0.039	0.06	<0.1	0.03	6.8	<0.1	<0.05	6	0.6	<0.2
1677552	Soil		6	28	0.42	112	0.069	2	1.27	0.017	0.09	0.1	0.04	2.9	<0.1	<0.05	5	<0.5	<0.2
1678303	Soil		18	28	0.54	150	0.054	2	1.80	0.016	0.16	<0.1	0.02	4.9	0.2	<0.05	5	<0.5	<0.2
1678302	Soil		16	17	0.27	155	0.029	2	1.33	0.017	0.12	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
1678295	Soil		11	41	0.66	93	0.069	2	1.79	0.037	0.06	<0.1	0.02	6.3	<0.1	<0.05	6	0.6	<0.2
1678294	Soil		13	25	0.93	154	0.059	3	1.80	0.032	0.11	<0.1	0.04	9.0	<0.1	<0.05	6	0.8	<0.2
1678286	Soil		7	15	0.20	128	0.024	3	0.75	0.019	0.02	<0.1	0.06	1.8	<0.1	0.12	2	1.4	<0.2
1678304	Soil		14	29	0.63	141	0.043	3	1.55	0.025	0.09	<0.1	0.04	6.6	0.1	<0.05	5	0.8	<0.2
1678297	Soil		13	45	0.79	171	0.091	3	1.98	0.040	0.07	<0.1	0.02	7.6	0.1	<0.05	6	<0.5	<0.2
1678298	Soil		10	24	0.54	97	0.067	2	1.84	0.023	0.09	<0.1	<0.01	4.0	<0.1	<0.05	7	<0.5	<0.2
1678285	Soil		8	32	0.52	148	0.048	3	1.43	0.022	0.04	0.1	0.05	4.7	<0.1	0.08	5	<0.5	<0.2
1678301	Soil		18	27	0.51	178	0.050	2	1.38	0.022	0.13	<0.1	0.04	5.8	0.1	<0.05	5	<0.5	<0.2
1678299	Soil		13	34	0.77	127	0.059	5	1.61	0.032	0.11	<0.1	0.06	5.3	<0.1	<0.05	5	<0.5	<0.2
1678300	Soil		13	35	0.90	132	0.063	4	1.64	0.035	0.10	<0.1	0.06	5.3	<0.1	<0.05	5	0.5	<0.2
1678291	Soil		12	34	1.15	130	0.137	2	2.21	0.026	0.07	<0.1	0.02	7.3	<0.1	<0.05	8	<0.5	<0.2
1678287	Soil		10	35	0.50	152	0.062	3	1.53	0.025	0.03	<0.1	0.06	4.9	<0.1	0.09	5	0.8	<0.2
1678307	Soil		8	38	0.61	168	0.095	1	2.15	0.022	0.04	0.1	0.01	4.7	<0.1	<0.05	7	<0.5	<0.2
1678288	Soil		10	35	0.50	163	0.045	3	1.18	0.025	0.04	<0.1	0.07	4.2	<0.1	0.08	4	0.8	<0.2
1678312	Soil		10	61	0.82	141	0.058	4	1.56	0.026	0.05	<0.1	0.06	7.6	<0.1	<0.05	4	<0.5	<0.2
1678308	Soil		9	26	0.45	204	0.078	2	1.65	0.033	0.04	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
1678293	Soil		14	48	1.07	187	0.113	2	2.30	0.037	0.06	<0.1	0.04	9.9	<0.1	<0.05	7	0.5	<0.2
1678289	Soil		11	38	0.66	198	0.082	2	2.58	0.026	0.03	<0.1	0.02	4.8	<0.1	<0.05	7	<0.5	<0.2

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1678311	Soil	0.4	44.6	6.7	58	<0.1	27.0	11.8	408	2.77	8.6	1.1	3.1	2.3	58	0.1	0.7	0.1	63	1.28	0.068
1678310	Soil	0.8	39.8	8.9	53	<0.1	26.1	13.8	521	3.06	12.5	0.6	3.5	2.9	42	0.2	0.8	0.1	74	0.86	0.045
1678305	Soil	0.5	39.3	5.4	56	0.1	33.4	17.1	732	2.99	10.5	0.7	5.3	1.3	56	0.2	1.3	<0.1	70	1.59	0.084
1678290	Soil	1.0	21.3	7.0	48	<0.1	21.5	15.5	535	2.91	7.9	0.6	1.5	1.8	32	<0.1	0.4	0.1	74	0.44	0.035
1678313	Soil	0.6	83.0	4.1	44	0.1	31.4	11.7	456	2.07	11.5	0.8	7.1	0.8	70	0.2	1.0	<0.1	58	1.64	0.070
1678309	Soil	0.7	26.6	6.5	47	<0.1	24.1	14.4	307	2.91	13.4	0.5	2.8	1.9	35	0.2	0.7	0.1	81	0.70	0.031
1678306	Soil	0.6	22.5	5.1	38	<0.1	16.1	9.7	325	2.20	6.9	0.5	2.6	0.9	49	0.1	0.6	0.1	65	1.48	0.038
1678292	Soil	0.5	38.9	5.1	55	<0.1	28.8	16.7	668	3.78	7.1	0.7	1.6	1.8	71	0.1	0.4	<0.1	103	1.38	0.056
1679636	Soil	0.7	59.9	6.7	54	<0.1	41.5	19.7	587	4.12	20.8	0.8	4.6	3.4	36	<0.1	1.5	0.1	100	0.82	0.034
1679637	Soil	0.6	29.7	6.0	55	<0.1	26.3	18.1	572	3.99	16.9	0.5	2.9	2.3	36	0.1	0.9	<0.1	112	0.81	0.045
1679625	Soil	0.5	26.6	7.4	61	0.1	22.6	12.8	827	2.52	7.2	0.7	3.0	1.6	73	0.2	1.0	<0.1	57	1.67	0.089
1678314	Soil	0.6	85.3	4.6	44	0.1	29.6	14.0	544	2.61	14.8	0.7	13.7	1.0	64	0.2	0.8	<0.1	75	1.45	0.062
1679629	Soil	0.8	20.9	13.0	62	0.1	19.3	13.6	608	3.07	13.3	1.6	7.7	5.0	32	0.2	0.6	0.2	57	0.67	0.076
1679641	Soil	0.5	30.9	5.5	60	<0.1	21.6	15.2	537	3.37	8.7	0.6	5.2	2.1	50	0.2	0.7	<0.1	81	1.10	0.068
1679639	Soil	0.6	22.1	6.1	58	<0.1	20.7	14.1	655	2.54	7.9	0.6	5.4	1.7	42	0.2	0.5	0.1	65	0.91	0.065
1679628	Soil	0.6	25.3	10.8	60	<0.1	30.9	14.5	584	2.79	13.3	0.9	3.3	3.5	48	0.2	0.7	0.1	65	1.05	0.071
1679643	Soil	0.5	29.7	6.3	60	<0.1	30.3	14.3	665	2.69	4.8	0.7	2.8	1.6	55	0.2	0.5	0.1	58	1.19	0.070
1679627	Soil	0.4	26.9	6.7	56	<0.1	33.4	15.7	510	2.97	8.3	0.6	2.2	2.8	50	0.2	0.6	<0.1	64	1.17	0.082
1679638	Soil	0.7	33.4	5.9	67	<0.1	24.0	18.7	756	4.35	76.8	0.5	18.3	2.0	47	0.2	1.3	<0.1	103	1.13	0.079
1679630	Soil	0.6	16.4	18.0	60	0.2	16.9	10.8	442	2.66	13.3	1.7	6.1	5.9	38	0.1	0.5	0.2	51	0.62	0.074
1679632	Soil	1.5	11.9	16.5	39	<0.1	12.4	5.7	177	2.90	15.6	0.5	1.5	3.1	14	<0.1	0.6	0.2	82	0.13	0.028
1679624	Soil	0.6	27.9	7.7	58	0.1	23.2	13.0	832	2.69	7.8	0.7	3.3	1.6	72	0.3	0.8	<0.1	53	1.68	0.085
1679640	Soil	0.9	26.3	6.5	50	<0.1	18.0	13.5	585	2.41	8.1	0.6	1.8	1.1	55	0.1	0.6	0.1	64	1.25	0.073
1679642	Soil	0.6	43.2	6.9	63	<0.1	23.5	17.2	555	3.48	13.3	0.6	5.1	2.1	49	0.2	0.8	0.1	76	1.06	0.064
1679622	Soil	1.0	38.6	6.5	72	0.2	25.6	13.2	800	2.47	6.8	0.8	2.7	1.0	71	0.3	0.5	0.1	61	1.29	0.083
1677603	Soil	2.9	62.8	11.8	106	0.3	41.5	18.0	891	3.62	24.8	0.5	121.6	3.3	65	0.5	2.5	0.2	79	1.17	0.090
1679633	Soil	1.2	15.3	9.7	26	0.1	7.9	2.8	92	1.38	7.2	0.5	2.0	1.0	20	0.1	0.3	0.2	54	0.23	0.030
1679631	Soil	0.8	20.3	27.2	68	0.3	19.4	14.5	546	2.71	23.1	1.9	7.3	4.3	41	0.2	0.5	0.3	58	0.58	0.087
1677601	Soil	0.7	64.3	7.0	62	0.1	34.0	20.5	491	3.97	20.9	0.5	6.2	2.3	43	0.2	0.5	0.1	107	0.91	0.049
1677597	Soil	0.9	32.9	7.2	68	0.2	26.7	12.6	480	2.48	6.3	0.8	2.4	1.9	59	0.5	0.5	0.1	65	1.22	0.070

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1678311	Soil		12	39	0.73	139	0.084	3	1.57	0.042	0.05	<0.1	0.03	5.4	<0.1	<0.05	4	0.5	<0.2
1678310	Soil		13	35	0.71	168	0.082	2	1.74	0.033	0.07	<0.1	0.03	6.8	<0.1	<0.05	6	<0.5	<0.2
1678305	Soil		14	44	0.74	134	0.075	3	1.79	0.027	0.05	0.1	0.05	8.6	<0.1	<0.05	5	<0.5	<0.2
1678290	Soil		9	33	0.57	134	0.079	1	2.13	0.028	0.04	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
1678313	Soil		12	57	0.65	145	0.044	4	1.54	0.022	0.04	<0.1	0.08	7.1	<0.1	0.07	4	0.7	<0.2
1678309	Soil		9	38	0.68	175	0.085	2	2.17	0.031	0.07	0.1	0.03	5.5	<0.1	<0.05	6	<0.5	<0.2
1678306	Soil		8	23	0.41	118	0.059	2	1.34	0.030	0.04	0.1	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
1678292	Soil		11	42	1.11	175	0.143	3	2.05	0.032	0.07	<0.1	0.05	8.9	<0.1	<0.05	7	0.5	<0.2
1679636	Soil		17	62	0.77	184	0.083	2	2.15	0.035	0.07	<0.1	0.04	12.7	<0.1	<0.05	6	0.6	<0.2
1679637	Soil		12	34	0.96	143	0.161	2	2.14	0.034	0.09	0.1	0.03	8.6	<0.1	<0.05	7	<0.5	<0.2
1679625	Soil		15	31	0.66	177	0.070	3	1.71	0.025	0.11	<0.1	0.04	5.9	<0.1	0.06	5	<0.5	<0.2
1678314	Soil		13	44	0.64	145	0.056	3	1.65	0.023	0.05	<0.1	0.05	8.3	<0.1	0.06	5	0.5	<0.2
1679629	Soil		22	28	0.53	165	0.057	2	1.44	0.019	0.15	0.1	0.03	4.9	0.1	<0.05	5	<0.5	<0.2
1679641	Soil		11	28	0.77	139	0.136	2	1.79	0.032	0.08	0.1	0.03	6.3	<0.1	<0.05	6	<0.5	<0.2
1679639	Soil		11	31	0.64	167	0.086	2	1.63	0.027	0.05	0.1	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
1679628	Soil		14	45	0.80	159	0.074	2	1.66	0.026	0.12	<0.1	0.04	5.9	<0.1	<0.05	5	<0.5	<0.2
1679643	Soil		11	44	0.74	171	0.089	2	1.69	0.029	0.06	<0.1	0.03	6.4	<0.1	<0.05	5	<0.5	<0.2
1679627	Soil		13	44	0.84	139	0.103	2	1.65	0.035	0.09	<0.1	0.03	6.7	<0.1	<0.05	5	<0.5	<0.2
1679638	Soil		15	31	0.93	177	0.102	3	2.09	0.033	0.06	0.1	0.03	8.8	<0.1	<0.05	7	<0.5	<0.2
1679630	Soil		17	27	0.49	157	0.070	2	1.58	0.022	0.14	0.1	0.03	4.7	0.1	<0.05	4	<0.5	<0.2
1679632	Soil		9	23	0.26	57	0.070	1	1.46	0.011	0.05	<0.1	0.02	3.1	0.1	<0.05	9	<0.5	<0.2
1679624	Soil		14	29	0.60	185	0.068	3	1.57	0.024	0.09	<0.1	0.04	5.6	<0.1	0.06	5	0.5	<0.2
1679640	Soil		11	28	0.52	155	0.068	2	1.46	0.028	0.04	0.1	0.05	4.9	<0.1	0.07	5	<0.5	<0.2
1679642	Soil		12	31	0.75	199	0.113	3	1.71	0.031	0.08	0.1	0.03	5.9	<0.1	<0.05	6	<0.5	<0.2
1679622	Soil		12	37	0.58	297	0.072	2	1.71	0.024	0.08	<0.1	0.05	5.6	<0.1	0.05	5	0.6	<0.2
1677603	Soil		13	38	0.81	306	0.106	3	1.82	0.059	0.08	0.1	0.06	7.4	<0.1	<0.05	5	<0.5	<0.2
1679633	Soil		11	18	0.21	112	0.075	1	0.97	0.014	0.07	<0.1	0.03	2.2	<0.1	<0.05	6	<0.5	<0.2
1679631	Soil		16	32	0.55	153	0.078	2	1.98	0.030	0.15	0.1	0.04	5.1	0.1	0.06	6	<0.5	<0.2
1677601	Soil		12	41	0.89	211	0.148	3	2.48	0.045	0.06	0.2	0.03	9.1	<0.1	<0.05	7	<0.5	<0.2
1677597	Soil		13	34	0.66	207	0.110	2	1.74	0.043	0.07	0.1	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2

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Project: WEL
Report Date: September 13, 2018

CERTIFICATE OF ANALYSIS WHI18000759.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1677600	Soil	0.5	40.6	6.4	65	0.1	29.5	12.4	461	2.56	6.3	1.1	3.7	2.6	59	0.3	0.6	0.1	71	1.29	0.074
1679634	Soil	0.9	9.8	12.0	34	0.1	8.4	7.5	383	1.47	6.7	0.3	1.6	1.1	18	0.1	0.2	0.2	41	0.21	0.087
1677599	Soil	0.5	39.7	6.1	63	0.1	28.9	11.7	420	2.62	5.9	1.1	4.7	2.4	61	0.3	0.6	0.1	68	1.34	0.074
1677602	Soil	0.9	104.6	7.7	72	0.1	35.6	18.3	624	3.85	23.7	0.5	13.5	2.8	52	0.2	0.6	0.2	101	1.03	0.057
1677596	Soil	1.3	30.6	7.2	83	0.2	28.6	13.3	766	2.53	5.6	0.8	2.6	2.4	53	0.6	0.6	0.1	66	1.05	0.082
1679626	Soil	0.5	38.4	5.5	61	0.1	32.9	16.7	714	3.09	5.0	0.8	3.6	1.6	75	0.2	0.6	<0.1	79	1.41	0.095
1677604	Soil	1.3	162.4	5.9	69	0.2	69.8	30.5	620	6.35	43.2	0.7	23.9	2.4	30	0.1	0.7	0.1	163	0.63	0.035
1677598	Soil	0.7	34.6	6.1	62	0.1	26.4	11.5	481	2.33	5.6	0.8	1.9	1.8	62	0.3	0.6	<0.1	67	1.31	0.076
1677595	Soil	0.4	42.3	7.0	61	0.1	26.4	10.5	382	2.50	6.6	1.0	4.0	2.3	65	0.2	0.6	<0.1	66	1.21	0.076
1679635	Soil	1.1	19.0	22.7	57	<0.1	19.2	10.8	363	3.05	22.1	0.7	2.8	6.8	27	<0.1	0.7	0.3	68	0.35	0.041
1639012	Soil	1.2	26.9	12.8	61	<0.1	25.9	12.5	361	3.25	12.3	0.7	1.2	3.8	31	0.1	0.5	0.2	76	0.37	0.047
1679615	Soil	1.1	67.9	13.5	78	1.3	36.5	19.3	645	3.32	11.6	0.8	7.8	1.4	44	0.7	0.7	0.1	96	0.80	0.076
1679617	Soil	0.9	40.1	6.9	63	<0.1	30.6	17.1	544	3.55	8.2	0.7	5.3	2.8	42	0.2	0.4	0.1	101	0.68	0.059
1679614	Soil	1.4	34.2	6.5	56	<0.1	32.2	14.3	361	3.74	9.8	0.5	8.1	2.2	31	0.1	0.4	0.1	102	0.51	0.055
1639010	Soil	0.7	16.7	21.8	54	0.1	14.7	11.8	268	1.93	28.1	2.1	16.3	4.0	43	0.2	0.9	0.2	33	0.58	0.098
1679618	Soil	1.0	31.9	7.8	69	<0.1	32.4	16.8	476	3.50	9.5	0.6	2.7	2.9	46	0.1	0.5	0.1	101	0.77	0.068
1679621	Soil	0.7	51.0	6.9	59	0.1	36.9	15.0	583	2.91	6.4	1.0	4.0	1.7	70	0.2	0.6	0.1	80	1.27	0.081
1679613	Soil	1.3	29.4	5.9	55	0.1	26.6	12.3	320	2.92	8.2	0.4	3.9	1.4	26	<0.1	0.4	0.1	89	0.38	0.042
1639009	Soil	0.9	21.6	26.5	52	0.2	23.0	20.2	1000	2.35	49.1	1.6	13.9	2.7	40	0.2	0.9	0.2	52	0.58	0.076
1677606	Soil	0.7	64.9	7.7	64	<0.1	39.6	16.1	581	3.53	15.0	0.5	5.3	3.0	58	<0.1	0.5	0.1	100	1.08	0.055
1677609	Soil	0.4	61.0	8.0	62	<0.1	34.5	14.3	528	3.47	12.6	0.6	5.9	2.8	63	<0.1	0.6	0.1	93	1.42	0.061
1679612	Soil	1.4	43.3	6.9	71	<0.1	47.8	20.3	549	4.71	13.5	0.6	5.5	2.4	31	0.2	0.5	0.1	118	0.47	0.074
1639008	Soil	0.8	34.7	18.1	61	<0.1	42.6	18.5	404	3.57	39.6	1.8	7.9	6.4	33	<0.1	0.7	0.3	82	0.58	0.096
1677610	Soil	0.6	56.7	7.7	60	<0.1	35.3	13.7	513	3.27	11.9	0.7	5.6	2.7	70	0.2	0.5	0.1	85	1.69	0.069
1679620	Soil	0.9	33.3	7.8	79	0.1	32.5	16.6	546	3.33	8.0	0.6	1.7	2.4	45	0.2	0.4	0.1	96	0.71	0.063
1679616	Soil	0.9	49.6	10.4	63	<0.1	39.6	15.8	550	3.76	8.6	0.8	3.7	3.0	47	0.1	0.6	0.1	106	0.85	0.075
1676526	Soil	0.6	51.1	6.9	73	<0.1	32.3	15.4	608	3.39	10.6	0.9	5.8	3.0	61	0.3	0.6	0.1	97	1.14	0.090
1678549	Soil	1.0	30.5	5.4	56	<0.1	27.9	21.1	2200	3.25	12.7	0.8	10.4	2.0	61	0.2	0.4	<0.1	81	1.25	0.084
1677613	Soil	0.6	48.3	6.5	59	<0.1	35.6	14.6	533	3.20	9.1	0.6	4.8	2.8	72	0.2	0.5	0.1	87	1.75	0.076
1679619	Soil	0.7	37.8	7.1	76	<0.1	32.8	17.3	711	3.68	9.0	0.7	4.9	2.5	47	0.2	0.5	<0.1	96	0.84	0.098

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1677600	Soil	13	37	0.70	203	0.128	3	1.76	0.053	0.07	0.1	0.03	6.0	<0.1	<0.05	5	<0.5	<0.2
1679634	Soil	7	20	0.22	97	0.067	2	1.04	0.023	0.08	<0.1	0.01	2.1	<0.1	<0.05	6	<0.5	<0.2
1677599	Soil	13	36	0.67	200	0.130	4	1.64	0.053	0.07	0.1	0.03	6.1	<0.1	<0.05	5	0.6	<0.2
1677602	Soil	17	44	0.86	242	0.138	3	2.43	0.053	0.06	0.1	0.04	10.9	<0.1	<0.05	7	0.5	<0.2
1677596	Soil	14	37	0.79	183	0.118	3	1.72	0.050	0.08	0.1	0.03	5.5	<0.1	0.05	5	0.6	<0.2
1679626	Soil	15	45	1.00	208	0.134	2	2.20	0.032	0.09	<0.1	0.04	7.1	<0.1	0.06	7	<0.5	<0.2
1677604	Soil	11	124	1.31	484	0.119	2	4.08	0.022	0.06	0.1	0.02	21.9	0.1	<0.05	10	<0.5	<0.2
1677598	Soil	12	35	0.63	206	0.119	3	1.70	0.050	0.07	0.1	0.03	5.4	<0.1	<0.05	5	0.7	<0.2
1677595	Soil	15	33	0.68	309	0.120	3	1.66	0.054	0.08	0.1	0.03	5.6	<0.1	0.06	5	0.6	<0.2
1679635	Soil	20	30	0.48	170	0.088	2	1.85	0.019	0.18	<0.1	0.01	3.9	0.1	<0.05	6	<0.5	<0.2
1639012	Soil	13	39	0.55	181	0.101	2	2.54	0.026	0.09	0.1	0.02	4.5	0.1	<0.05	7	<0.5	<0.2
1679615	Soil	14	50	0.73	188	0.143	2	2.56	0.035	0.06	0.1	0.04	6.3	0.1	<0.05	7	<0.5	<0.2
1679617	Soil	13	57	0.87	204	0.179	2	2.61	0.034	0.06	0.1	0.03	7.1	<0.1	<0.05	7	<0.5	<0.2
1679614	Soil	10	48	0.73	134	0.169	2	2.55	0.027	0.06	0.1	0.02	5.5	0.1	<0.05	7	<0.5	<0.2
1639010	Soil	31	20	0.34	134	0.039	2	1.28	0.021	0.23	0.1	0.08	3.5	0.2	0.08	4	<0.5	<0.2
1679618	Soil	12	56	0.89	191	0.176	2	2.46	0.038	0.06	0.1	0.02	6.5	<0.1	<0.05	7	<0.5	<0.2
1679621	Soil	17	51	0.78	267	0.134	3	2.30	0.037	0.07	<0.1	0.05	7.8	<0.1	0.07	6	<0.5	<0.2
1679613	Soil	7	42	0.58	122	0.148	2	1.68	0.024	0.05	0.1	0.02	4.0	<0.1	<0.05	7	<0.5	<0.2
1639009	Soil	19	32	0.47	147	0.038	2	1.65	0.017	0.16	<0.1	0.07	3.6	0.2	0.06	5	<0.5	<0.2
1677606	Soil	16	51	0.88	209	0.168	3	2.31	0.070	0.07	0.1	0.04	9.1	<0.1	<0.05	6	<0.5	<0.2
1677609	Soil	14	48	0.88	199	0.158	2	2.23	0.070	0.07	0.1	0.03	7.9	<0.1	<0.05	6	<0.5	<0.2
1679612	Soil	10	60	0.90	198	0.189	2	3.12	0.023	0.05	0.2	0.02	6.2	<0.1	<0.05	8	<0.5	<0.2
1639008	Soil	19	62	0.90	121	0.090	2	2.25	0.022	0.16	<0.1	0.04	6.8	0.2	<0.05	7	<0.5	<0.2
1677610	Soil	15	42	0.85	203	0.149	3	1.93	0.074	0.09	0.1	0.02	6.7	<0.1	<0.05	5	<0.5	<0.2
1679620	Soil	12	52	0.88	188	0.167	3	2.53	0.038	0.08	0.1	0.03	6.7	<0.1	<0.05	7	<0.5	<0.2
1679616	Soil	16	71	0.94	195	0.201	2	2.49	0.040	0.05	0.2	0.02	8.8	<0.1	<0.05	7	<0.5	<0.2
1676526	Soil	16	43	0.81	198	0.161	4	1.93	0.069	0.06	0.1	0.02	6.9	<0.1	<0.05	5	<0.5	<0.2
1678549	Soil	13	35	0.69	222	0.133	3	1.68	0.055	0.07	0.2	0.03	5.5	<0.1	0.07	4	0.6	<0.2
1677613	Soil	15	40	0.86	192	0.156	3	1.80	0.073	0.09	0.1	0.02	6.3	<0.1	<0.05	5	<0.5	<0.2
1679619	Soil	15	53	0.90	201	0.160	2	2.30	0.038	0.09	0.1	0.02	7.6	<0.1	<0.05	7	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1678548	Soil	0.4	28.4	5.0	53	<0.1	24.9	12.5	394	2.70	6.7	0.5	3.3	2.3	45	0.1	0.3	0.1	79	0.96	0.085
1676527	Soil	0.7	49.7	7.3	62	0.1	32.5	15.5	500	3.41	27.4	1.4	5.1	2.7	55	0.2	0.8	0.2	76	0.96	0.085
1677605	Soil	0.6	55.6	6.9	56	<0.1	32.6	16.2	623	3.24	9.2	0.4	6.6	2.3	43	<0.1	0.4	0.1	90	0.77	0.047
1679623	Soil	0.7	33.9	6.0	51	0.1	26.9	11.2	604	2.12	5.4	0.7	2.1	0.8	79	0.3	0.5	0.1	50	1.60	0.070
1678550	Soil	0.5	28.8	4.7	55	<0.1	21.2	10.7	672	2.47	7.5	0.7	3.1	1.7	53	0.2	0.4	<0.1	66	1.13	0.077
1676528	Soil	0.3	37.0	6.6	53	0.1	21.4	7.8	220	1.69	4.1	0.7	8.5	1.4	49	0.3	0.5	0.1	51	0.97	0.074
1676531	Soil	0.4	67.1	6.1	57	<0.1	34.0	14.9	445	2.55	10.0	0.9	8.7	1.9	51	0.2	0.6	0.1	74	1.28	0.054
1677607	Soil	0.7	54.4	7.0	57	<0.1	32.5	13.3	530	3.25	16.9	0.4	5.7	2.4	48	<0.1	0.5	0.1	86	0.96	0.057
1676530	Soil	0.5	42.3	6.9	65	<0.1	29.4	15.3	407	2.89	11.5	0.9	2.6	2.4	44	0.2	0.6	0.1	75	0.87	0.062
1676529	Soil	0.6	39.0	5.9	59	<0.1	30.7	13.4	474	2.74	8.3	0.7	2.5	2.5	43	0.2	0.4	0.1	78	0.89	0.075
1676532	Soil	0.5	86.9	3.7	63	0.1	40.2	21.8	514	4.18	165.3	0.4	153.3	1.3	36	0.1	1.1	<0.1	114	1.06	0.035
1677611	Soil	0.5	46.2	5.7	55	<0.1	30.6	13.5	462	2.86	10.0	0.6	3.2	2.3	62	0.2	0.6	0.1	78	1.69	0.076
1677592	Soil	0.8	32.2	10.0	58	0.1	25.5	13.0	422	3.16	10.7	0.7	3.0	3.2	42	<0.1	0.5	0.1	84	0.70	0.052
1677612	Soil	0.4	37.7	5.5	53	<0.1	28.4	12.0	446	2.68	8.9	0.8	11.4	2.3	57	<0.1	0.5	0.1	84	1.28	0.075
1677608	Soil	1.1	51.1	9.2	58	0.1	33.2	13.4	597	3.27	17.6	0.5	5.9	2.8	46	0.2	0.8	0.1	79	0.86	0.076
1677590	Soil	0.9	29.9	7.9	56	0.2	25.5	11.5	622	2.56	6.4	0.6	2.3	1.8	40	0.4	0.4	0.1	69	0.60	0.047
1677584	Soil	0.8	61.5	8.2	57	<0.1	34.4	17.2	621	3.62	10.5	0.6	5.1	2.2	37	0.1	0.9	0.1	114	0.67	0.048
1677594	Soil	0.9	42.7	10.3	75	<0.1	29.5	13.0	750	2.84	8.4	0.8	3.9	2.7	50	0.2	0.6	0.1	63	0.88	0.072
1677585	Soil	0.8	58.4	8.5	65	0.1	35.6	19.9	615	3.79	13.5	0.6	24.4	2.8	40	0.2	0.6	0.1	104	0.67	0.065
1677589	Soil	1.2	29.8	9.3	59	0.1	26.8	15.2	549	3.54	9.0	0.6	8.6	2.7	35	0.2	0.4	0.1	85	0.59	0.045
1677593	Soil	0.8	23.9	10.2	58	<0.1	23.0	12.2	590	3.14	9.1	0.5	2.1	2.8	39	0.2	0.5	0.1	69	0.65	0.044
1677591	Soil	0.9	27.0	8.9	57	<0.1	24.3	13.1	386	3.42	9.0	0.6	1.7	2.7	37	0.1	0.4	0.1	79	0.58	0.034
1677586	Soil	0.7	59.3	9.0	61	0.2	29.4	15.7	532	3.23	7.9	0.8	4.0	2.5	45	0.2	0.4	0.1	87	0.68	0.055
1677583	Soil	1.2	37.7	7.8	63	0.1	30.7	12.6	400	3.31	10.0	0.5	6.9	2.1	31	0.2	0.8	0.1	103	0.55	0.048
1677587	Soil	0.6	52.0	7.1	64	0.1	27.3	15.3	503	3.11	7.4	0.8	5.7	2.7	43	0.2	0.4	0.2	86	0.65	0.053
1679668	Soil	0.5	50.6	6.6	62	0.1	32.6	13.9	489	3.14	12.6	0.5	3.9	2.3	57	0.1	0.5	0.1	83	1.36	0.075
1679670	Soil	0.5	46.7	6.6	56	<0.1	31.6	12.8	407	2.92	10.8	0.7	3.7	2.3	60	0.1	0.4	0.1	69	1.31	0.065
1677588	Soil	1.5	36.3	11.6	62	<0.1	27.5	13.8	457	3.25	7.9	0.8	9.2	4.1	35	0.1	0.4	0.1	75	0.57	0.047
1679658	Soil	1.3	33.5	8.9	63	0.2	25.9	13.8	429	2.90	35.7	0.6	8.7	2.3	33	0.2	0.6	0.2	72	0.56	0.068
1679671	Soil	0.9	56.5	8.6	65	<0.1	35.1	16.0	682	3.19	20.9	0.7	11.6	2.3	55	0.2	0.8	0.1	80	1.03	0.061

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Project: WEL
Report Date: September 13, 2018

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1678548	Soil		10	31	0.73	120	0.105	3	1.42	0.055	0.06	0.1	0.02	4.8	<0.1	<0.05	4	<0.5	<0.2
1676527	Soil		15	35	0.65	266	0.099	3	1.57	0.051	0.05	0.1	0.04	6.9	<0.1	<0.05	5	0.7	<0.2
1677605	Soil		13	44	0.74	191	0.111	2	1.98	0.049	0.04	<0.1	0.03	8.5	<0.1	<0.05	6	<0.5	<0.2
1679623	Soil		11	34	0.55	200	0.056	4	1.42	0.022	0.06	<0.1	0.05	5.4	<0.1	<0.05	4	0.6	<0.2
1678550	Soil		10	27	0.55	139	0.089	4	1.42	0.046	0.05	0.1	0.04	4.6	<0.1	<0.05	4	0.6	<0.2
1676528	Soil		11	29	0.62	316	0.070	3	1.61	0.045	0.05	<0.1	0.05	4.7	<0.1	<0.05	4	0.5	<0.2
1676531	Soil		11	37	0.73	190	0.100	3	1.55	0.043	0.06	<0.1	0.04	6.9	<0.1	<0.05	5	0.8	<0.2
1677607	Soil		14	43	0.74	178	0.111	3	1.81	0.063	0.06	0.1	0.03	6.6	<0.1	<0.05	5	<0.5	<0.2
1676530	Soil		12	33	0.62	206	0.103	3	1.67	0.044	0.05	0.1	0.03	6.2	<0.1	<0.05	5	<0.5	<0.2
1676529	Soil		12	35	0.64	153	0.116	3	1.72	0.049	0.06	0.1	0.03	6.2	<0.1	<0.05	5	<0.5	<0.2
1676532	Soil		7	59	0.91	195	0.061	2	2.14	0.034	0.06	0.2	0.03	10.6	<0.1	<0.05	6	<0.5	<0.2
1677611	Soil		13	32	0.76	164	0.118	3	1.60	0.060	0.07	0.1	0.02	5.5	<0.1	<0.05	5	<0.5	<0.2
1677592	Soil		18	40	0.71	423	0.113	2	1.98	0.042	0.08	<0.1	0.03	6.6	<0.1	<0.05	6	<0.5	<0.2
1677612	Soil		12	34	0.63	163	0.116	4	1.45	0.054	0.07	0.2	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
1677608	Soil		13	37	0.73	175	0.109	2	1.90	0.062	0.07	<0.1	0.03	6.5	<0.1	<0.05	5	<0.5	<0.2
1677590	Soil		16	31	0.58	223	0.089	2	1.93	0.031	0.07	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
1677584	Soil		11	49	0.81	218	0.135	2	2.38	0.030	0.04	<0.1	0.02	7.8	<0.1	<0.05	7	<0.5	<0.2
1677594	Soil		15	34	0.68	223	0.101	3	1.72	0.048	0.10	<0.1	0.03	5.9	<0.1	<0.05	5	<0.5	<0.2
1677585	Soil		13	48	0.79	206	0.129	2	2.36	0.027	0.05	<0.1	0.03	8.6	<0.1	<0.05	8	<0.5	<0.2
1677589	Soil		13	40	0.71	197	0.107	2	2.28	0.027	0.08	<0.1	0.02	5.3	<0.1	<0.05	7	<0.5	<0.2
1677593	Soil		15	34	0.68	270	0.115	2	1.95	0.042	0.10	<0.1	0.02	5.0	<0.1	<0.05	6	<0.5	<0.2
1677591	Soil		15	40	0.72	218	0.115	2	2.18	0.034	0.07	<0.1	0.02	5.6	<0.1	<0.05	7	<0.5	<0.2
1677586	Soil		14	42	0.73	218	0.121	2	2.31	0.039	0.06	<0.1	0.03	6.9	<0.1	<0.05	6	<0.5	<0.2
1677583	Soil		10	47	0.75	210	0.112	2	2.21	0.021	0.05	<0.1	0.02	5.2	0.1	<0.05	8	<0.5	<0.2
1677587	Soil		13	39	0.76	190	0.120	2	2.41	0.039	0.05	<0.1	0.02	7.6	<0.1	<0.05	7	<0.5	<0.2
1679668	Soil		14	37	0.82	188	0.112	3	2.02	0.060	0.08	<0.1	0.03	6.1	<0.1	<0.05	5	<0.5	<0.2
1679670	Soil		14	37	0.71	208	0.109	2	1.92	0.052	0.06	<0.1	0.02	6.2	<0.1	<0.05	6	0.6	<0.2
1677588	Soil		16	41	0.82	179	0.111	2	2.29	0.028	0.05	<0.1	0.02	6.0	<0.1	<0.05	7	<0.5	<0.2
1679658	Soil		12	33	0.60	181	0.102	2	1.68	0.036	0.06	0.1	0.03	4.9	<0.1	<0.05	5	<0.5	<0.2
1679671	Soil		12	41	0.74	234	0.112	2	1.91	0.055	0.07	<0.1	0.03	7.1	<0.1	<0.05	6	<0.5	<0.2

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1679669	Soil	0.5	47.6	6.7	56	<0.1	32.2	11.5	496	2.99	11.5	0.8	5.8	2.2	59	<0.1	0.5	0.1	79	1.17	0.070
1679672	Soil	0.6	50.7	6.9	59	<0.1	32.5	12.5	444	3.10	11.9	0.5	4.7	2.5	62	0.1	0.5	0.1	76	1.38	0.062
1679661	Soil	3.4	38.6	11.2	88	0.5	36.3	12.0	436	3.31	16.6	0.5	5.1	3.3	35	0.7	1.4	0.2	75	0.61	0.055
1679673	Soil	0.6	51.9	6.8	58	<0.1	34.1	13.8	524	2.86	11.3	0.5	3.1	2.7	85	0.1	0.5	0.1	75	2.67	0.073
1679656	Soil	1.9	57.3	10.1	54	0.8	28.3	33.3	6779	2.78	25.9	1.1	17.8	0.5	36	0.2	0.7	0.1	65	0.41	0.106
1679674	Soil	0.6	38.8	5.5	52	<0.1	30.9	12.4	468	2.82	9.7	0.5	3.9	2.4	80	0.1	0.5	<0.1	79	2.54	0.077
1679662	Soil	1.3	29.4	8.6	56	0.1	29.2	16.5	484	3.58	10.8	0.5	2.5	2.4	31	0.1	0.5	0.2	103	0.47	0.028
1679663	Soil	0.6	73.9	9.0	62	0.1	41.8	19.9	585	4.09	27.1	0.6	10.5	2.9	42	<0.1	0.7	0.1	111	0.85	0.034
1679657	Soil	0.9	52.3	8.5	60	0.3	29.1	13.8	768	2.72	20.7	0.9	10.5	2.0	38	0.3	0.5	0.3	69	0.53	0.056
1679676	Soil	0.6	39.1	5.4	51	<0.1	29.5	12.7	462	2.89	8.8	0.7	14.3	2.5	70	<0.1	0.5	0.1	84	1.66	0.069
1679644	Soil	0.8	32.2	5.5	40	0.3	19.6	10.6	554	2.32	5.8	0.4	3.7	1.3	25	0.1	0.3	0.1	65	0.37	0.037
1679660	Soil	0.4	37.1	6.2	63	0.1	27.2	11.0	336	2.42	4.8	0.9	2.7	2.7	53	0.4	0.6	0.1	69	1.17	0.077
1679659	Soil	0.6	38.9	7.6	62	0.2	27.5	11.0	390	2.25	4.4	0.8	3.1	2.5	53	0.4	0.8	0.1	65	1.14	0.065
1679675	Soil	0.5	38.7	5.5	53	<0.1	29.3	12.0	475	2.89	8.4	0.5	3.0	2.8	78	<0.1	0.4	<0.1	83	2.33	0.077
1677614	Soil	0.6	42.4	6.6	51	<0.1	31.0	12.4	477	2.82	9.1	1.0	6.3	2.6	66	<0.1	0.5	0.1	78	1.20	0.072
1679646	Soil	0.6	50.4	6.5	55	<0.1	27.2	12.7	322	3.50	7.2	0.5	4.1	2.3	36	<0.1	0.5	0.1	94	0.54	0.043
1679666	Soil	0.5	59.5	7.2	60	<0.1	31.7	12.6	380	3.19	13.8	0.4	6.4	2.6	54	<0.1	0.6	<0.1	87	0.99	0.051
1679653	Soil	0.7	38.2	11.0	57	0.1	25.3	11.5	557	3.21	6.6	0.9	2.1	3.6	49	0.2	0.5	0.1	69	0.81	0.049
1679645	Soil	0.7	69.2	8.2	63	<0.1	31.8	15.8	503	3.66	9.0	0.6	6.6	3.4	44	<0.1	0.6	<0.1	99	0.74	0.045
1679664	Soil	0.5	56.3	6.3	53	0.1	31.1	11.7	373	3.18	13.9	0.4	7.4	2.8	50	<0.1	0.5	0.1	83	0.94	0.063
1679665	Soil	0.8	61.6	8.2	59	<0.1	32.3	14.6	540	3.31	16.7	0.5	7.3	2.7	45	0.1	0.6	0.1	85	0.82	0.047
1679655	Soil	0.8	39.6	7.3	69	0.2	22.0	9.4	1020	1.95	7.3	1.0	6.4	1.4	69	0.3	0.9	0.1	47	1.37	0.064
1679649	Soil	0.5	62.0	6.9	58	0.1	30.1	14.0	532	3.07	6.0	0.9	11.7	2.5	49	0.3	0.5	0.1	83	0.83	0.058
1679667	Soil	0.6	50.5	6.2	57	<0.1	31.2	13.2	473	3.09	12.2	0.4	8.4	2.6	80	0.2	0.6	<0.1	80	2.56	0.067
1679654	Soil	0.7	36.3	12.2	57	0.1	25.5	10.8	483	3.16	8.2	0.8	4.2	3.9	45	0.1	0.5	0.1	69	0.73	0.044
1679648	Soil	0.4	76.4	6.7	60	<0.1	33.0	15.1	525	3.49	7.2	1.1	3.6	3.1	50	<0.1	0.4	0.1	92	0.78	0.052
1679651	Soil	0.8	48.4	10.6	58	<0.1	28.7	13.2	518	3.24	7.6	0.9	2.1	3.6	46	0.1	0.5	0.1	81	0.75	0.039
1679650	Soil	0.5	66.2	6.5	59	0.1	30.9	14.4	599	3.28	6.2	1.0	3.8	2.5	51	0.2	0.5	0.1	83	0.79	0.056
1679652	Soil	0.6	28.5	10.3	56	0.1	23.0	12.1	499	3.10	7.4	0.7	4.8	4.1	41	<0.1	0.4	0.1	71	0.62	0.044
1679647	Soil	0.5	68.1	6.5	58	0.1	29.4	15.8	579	3.41	6.4	0.8	8.5	2.9	47	0.1	0.4	<0.1	84	0.71	0.047

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1679669	Soil		14	38	0.72	215	0.109	3	1.84	0.057	0.06	0.1	0.03	6.0	<0.1	<0.05	6	0.6	<0.2
1679672	Soil		14	38	0.84	209	0.124	3	1.94	0.063	0.09	0.1	0.02	7.2	<0.1	<0.05	6	<0.5	<0.2
1679661	Soil		14	36	0.70	248	0.087	2	1.98	0.030	0.08	0.1	0.03	6.5	0.1	<0.05	6	0.5	<0.2
1679673	Soil		14	37	0.84	191	0.126	3	1.76	0.062	0.09	0.1	0.02	6.1	<0.1	<0.05	5	<0.5	<0.2
1679656	Soil		11	34	0.33	543	0.040	2	1.45	0.020	0.06	<0.1	0.13	5.2	0.1	<0.05	4	0.6	<0.2
1679674	Soil		12	34	0.90	157	0.114	3	1.54	0.061	0.08	0.1	0.02	5.3	<0.1	<0.05	5	<0.5	<0.2
1679662	Soil		10	46	0.69	217	0.124	2	2.85	0.027	0.05	<0.1	0.02	5.4	0.1	<0.05	7	<0.5	<0.2
1679663	Soil		14	51	0.93	223	0.147	2	2.56	0.045	0.06	<0.1	0.02	11.5	<0.1	<0.05	7	<0.5	<0.2
1679657	Soil		14	37	0.61	357	0.090	1	2.11	0.034	0.06	<0.1	0.04	6.9	<0.1	<0.05	6	<0.5	<0.2
1679676	Soil		13	37	0.84	157	0.130	3	1.63	0.066	0.07	0.2	0.02	5.4	<0.1	<0.05	5	<0.5	<0.2
1679644	Soil		7	28	0.48	159	0.087	2	1.79	0.032	0.03	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
1679660	Soil		12	34	0.70	158	0.125	2	1.59	0.059	0.07	0.1	0.03	5.9	<0.1	<0.05	4	<0.5	<0.2
1679659	Soil		12	33	0.65	173	0.119	4	1.74	0.061	0.06	0.1	0.03	5.8	<0.1	<0.05	5	0.6	<0.2
1679675	Soil		13	35	0.86	156	0.136	3	1.66	0.064	0.07	0.1	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
1677614	Soil		14	38	0.77	189	0.124	3	1.86	0.065	0.07	0.1	0.03	6.0	<0.1	<0.05	5	<0.5	<0.2
1679646	Soil		10	42	0.78	203	0.131	2	2.53	0.027	0.05	<0.1	0.01	6.5	<0.1	<0.05	7	<0.5	<0.2
1679666	Soil		13	40	0.88	178	0.127	3	2.06	0.065	0.07	<0.1	0.03	7.6	<0.1	<0.05	5	<0.5	<0.2
1679653	Soil		32	36	0.70	325	0.108	2	1.97	0.042	0.11	<0.1	0.03	7.3	<0.1	<0.05	6	<0.5	<0.2
1679645	Soil		15	49	0.85	191	0.147	2	2.38	0.042	0.06	<0.1	0.02	9.5	<0.1	<0.05	7	<0.5	<0.2
1679664	Soil		14	38	0.82	168	0.134	2	1.98	0.065	0.06	0.1	0.03	7.5	<0.1	<0.05	6	<0.5	<0.2
1679665	Soil		13	42	0.82	195	0.135	2	2.10	0.061	0.06	<0.1	0.03	9.1	<0.1	<0.05	6	<0.5	<0.2
1679655	Soil		15	26	0.51	444	0.067	4	1.39	0.034	0.07	<0.1	0.06	4.8	0.1	<0.05	4	<0.5	<0.2
1679649	Soil		15	38	0.78	199	0.130	2	2.16	0.051	0.06	<0.1	0.02	8.1	<0.1	<0.05	6	<0.5	<0.2
1679667	Soil		13	37	0.88	177	0.138	3	1.78	0.066	0.08	0.1	0.02	6.5	<0.1	<0.05	5	<0.5	<0.2
1679654	Soil		29	36	0.70	366	0.107	2	1.96	0.042	0.10	<0.1	0.03	6.9	<0.1	<0.05	6	<0.5	<0.2
1679648	Soil		17	43	0.84	199	0.139	2	2.30	0.052	0.06	<0.1	0.04	10.1	<0.1	<0.05	6	<0.5	<0.2
1679651	Soil		22	42	0.80	227	0.120	2	2.26	0.043	0.07	<0.1	0.03	8.0	<0.1	<0.05	6	<0.5	<0.2
1679650	Soil		15	40	0.75	205	0.126	1	2.18	0.046	0.06	0.1	0.03	8.3	<0.1	<0.05	6	<0.5	<0.2
1679652	Soil		20	36	0.74	246	0.115	2	2.08	0.038	0.10	<0.1	0.02	6.4	<0.1	<0.05	6	<0.5	<0.2
1679647	Soil		14	39	0.78	185	0.136	2	2.18	0.050	0.05	<0.1	0.04	8.2	<0.1	<0.05	6	<0.5	<0.2

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Client: **White Gold Corp.**
Box 70
Dawson Yukon Y0B 1G0 Canada

Project: WEL
Report Date: September 13, 2018

CERTIFICATE OF ANALYSIS WHI18000759.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1678541	Soil	0.4	48.8	5.6	46	0.1	29.0	12.3	432	2.79	7.6	0.6	4.1	2.3	55	0.2	0.4	<0.1	73	1.16	0.056
1678543	Soil	1.3	22.2	11.0	53	<0.1	23.4	9.9	311	2.94	7.6	0.6	2.5	2.6	34	<0.1	0.3	0.1	77	0.52	0.034
1639002	Soil	0.4	50.3	6.4	42	0.2	22.9	9.7	355	1.84	7.6	1.0	1.2	1.3	67	0.2	0.5	<0.1	49	1.91	0.061
1639003	Soil	0.8	37.8	5.4	48	<0.1	27.6	12.1	419	2.47	6.5	0.7	3.4	1.6	60	0.2	0.7	<0.1	64	1.45	0.052
1678546	Soil	0.5	27.0	4.9	52	<0.1	22.6	10.2	392	2.47	5.2	0.9	3.6	2.1	63	0.1	0.4	<0.1	72	1.21	0.076
1678542	Soil	0.9	26.1	7.1	40	0.3	16.2	6.6	174	2.09	4.4	0.5	1.2	1.5	30	0.2	0.3	0.1	60	0.45	0.030
1639011	Soil	0.8	13.5	12.6	27	0.1	8.4	5.6	164	1.51	21.3	0.7	9.6	0.5	28	0.1	0.3	0.1	41	0.37	0.050
1639005	Soil	0.6	21.3	5.3	57	<0.1	19.9	13.5	553	2.00	4.9	0.5	1.8	1.0	49	0.2	0.3	<0.1	52	0.96	0.065
1678538	Soil	0.8	47.3	8.0	56	0.1	29.3	14.4	361	3.61	9.0	0.6	1.8	3.0	34	0.2	0.5	<0.1	88	0.61	0.024
1678545	Soil	0.6	31.8	9.4	53	<0.1	23.1	12.6	339	2.96	9.0	0.9	6.0	3.1	49	0.1	0.3	<0.1	78	0.74	0.044
1678537	Soil	1.2	44.0	8.3	73	0.1	30.9	18.8	601	3.99	8.4	0.6	<0.5	2.5	33	0.3	0.5	0.1	97	0.52	0.036
1639007	Soil	0.5	35.7	4.5	48	<0.1	19.6	14.2	1236	2.48	4.2	0.6	1.7	1.1	79	0.2	0.4	<0.1	60	1.60	0.076
1678540	Soil	0.6	52.3	7.4	63	0.1	36.3	17.9	650	3.69	9.3	0.7	10.5	3.3	41	0.2	0.5	0.1	92	0.78	0.047
1678547	Soil	0.5	39.9	5.9	56	<0.1	30.1	13.5	475	2.91	7.0	0.8	5.2	2.7	58	0.1	0.5	0.1	85	1.14	0.081
1678536	Soil	0.9	57.2	10.1	70	0.5	32.5	13.1	583	3.07	26.8	1.9	14.4	2.0	52	0.3	0.8	0.1	70	1.05	0.087
1639004	Soil	1.2	53.0	6.7	65	0.2	36.5	18.5	668	3.17	8.8	0.7	3.8	2.4	43	0.4	0.6	0.1	80	0.78	0.080
1639006	Soil	0.8	26.4	4.7	51	<0.1	17.5	11.5	745	1.98	5.9	0.5	4.1	0.9	76	0.2	0.4	<0.1	52	1.61	0.079
1639001	Soil	0.8	49.7	6.0	56	0.1	28.8	15.0	404	2.82	11.8	0.7	3.8	2.1	44	0.2	0.5	<0.1	85	1.04	0.055
1637356	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1639020	Soil	0.6	51.6	8.4	54	<0.1	32.4	16.6	761	3.27	11.9	0.5	3.2	3.1	55	0.2	0.6	0.1	87	1.19	0.061
1639013	Soil	1.6	28.7	13.5	60	0.1	24.9	16.6	1790	2.71	12.8	0.9	6.8	3.1	30	0.2	0.5	0.2	65	0.37	0.054
1577549	Soil	1.0	47.1	6.7	52	<0.1	30.0	15.4	338	2.93	9.0	0.5	2.1	1.9	31	0.1	0.5	0.1	82	0.52	0.036
1637354	Soil	1.4	27.4	7.4	84	<0.1	27.2	20.4	534	3.16	6.0	0.4	1.6	1.6	29	0.4	0.6	0.1	88	0.49	0.034
1637353	Soil	1.0	21.8	7.0	55	<0.1	24.8	17.8	602	2.78	5.6	0.3	1.1	1.5	27	0.1	0.5	0.1	77	0.42	0.026
1577548	Soil	0.7	20.4	4.9	20	<0.1	11.9	5.8	145	1.30	2.6	0.4	1.7	0.6	24	0.1	0.3	0.1	43	0.26	0.031
1577550	Soil	0.9	48.4	6.8	48	<0.1	27.6	16.6	537	2.69	7.5	0.5	2.7	1.7	32	0.2	0.5	0.1	77	0.53	0.034
1637357	Soil	2.0	59.8	9.4	92	0.1	43.9	34.2	932	4.22	9.5	0.7	1.4	1.7	35	0.2	1.0	0.2	110	0.68	0.078
1637355	Soil	1.4	29.2	7.2	72	<0.1	33.5	22.9	528	3.78	6.3	0.5	1.8	2.4	29	0.1	0.4	<0.1	105	0.44	0.037
1639016	Soil	1.0	15.6	12.2	46	<0.1	23.1	14.1	346	2.87	28.9	0.5	41.9	4.5	26	<0.1	0.6	0.2	73	0.33	0.015
1637352	Soil	1.8	31.6	10.3	69	0.2	38.9	17.8	509	4.10	13.8	0.8	4.2	3.4	34	0.3	0.9	0.2	101	0.47	0.085

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1678541	Soil		12	33	0.68	165	0.112	2	1.79	0.054	0.06	<0.1	0.02	5.9	<0.1	<0.05	5	<0.5	<0.2
1678543	Soil		12	41	0.70	171	0.129	1	1.87	0.026	0.07	<0.1	0.02	4.6	<0.1	<0.05	7	<0.5	<0.2
1639002	Soil		13	30	0.46	128	0.061	3	1.50	0.027	0.05	<0.1	0.06	6.0	<0.1	<0.05	3	<0.5	<0.2
1639003	Soil		11	39	0.65	161	0.110	3	1.75	0.033	0.06	0.1	0.06	5.7	<0.1	<0.05	5	<0.5	<0.2
1678546	Soil		11	32	0.64	148	0.126	3	1.59	0.060	0.07	0.1	0.02	5.1	<0.1	<0.05	4	<0.5	<0.2
1678542	Soil		9	26	0.44	121	0.101	1	1.31	0.024	0.06	<0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
1639011	Soil		10	18	0.23	109	0.044	<1	1.29	0.017	0.09	<0.1	0.03	1.9	0.1	<0.05	6	<0.5	<0.2
1639005	Soil		9	32	0.61	110	0.074	2	1.32	0.031	0.07	0.1	0.04	4.2	<0.1	<0.05	4	<0.5	<0.2
1678538	Soil		11	49	0.73	102	0.134	2	2.25	0.033	0.11	<0.1	<0.01	6.4	<0.1	<0.05	7	<0.5	<0.2
1678545	Soil		19	39	0.74	205	0.126	2	2.16	0.034	0.07	<0.1	0.02	6.1	<0.1	<0.05	6	<0.5	<0.2
1678537	Soil		10	46	0.78	150	0.131	2	2.45	0.033	0.13	<0.1	0.01	5.9	<0.1	<0.05	7	<0.5	<0.2
1639007	Soil		13	24	0.63	178	0.076	3	1.45	0.029	0.10	<0.1	0.04	6.5	<0.1	0.08	5	0.9	<0.2
1678540	Soil		14	48	0.73	191	0.131	2	2.18	0.048	0.11	0.1	0.02	9.7	<0.1	<0.05	7	<0.5	<0.2
1678547	Soil		13	38	0.74	160	0.137	4	1.57	0.061	0.07	0.2	0.02	6.1	<0.1	<0.05	5	<0.5	<0.2
1678536	Soil		28	46	0.66	249	0.073	2	2.25	0.027	0.09	0.1	0.06	8.1	0.1	0.07	6	0.7	<0.2
1639004	Soil		15	51	0.69	249	0.117	2	2.23	0.036	0.08	<0.1	0.03	7.2	0.1	<0.05	6	<0.5	<0.2
1639006	Soil		10	25	0.55	137	0.063	3	1.24	0.027	0.06	<0.1	0.04	4.6	<0.1	0.10	4	0.6	<0.2
1639001	Soil		12	46	0.71	126	0.126	2	1.99	0.036	0.06	0.1	0.04	7.1	<0.1	0.06	6	<0.5	<0.2
1637356	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1639020	Soil		16	47	0.85	202	0.116	3	2.12	0.056	0.17	0.1	0.02	7.6	<0.1	<0.05	6	<0.5	<0.2
1639013	Soil		16	36	0.44	222	0.074	1	2.31	0.032	0.09	<0.1	0.04	5.4	0.2	<0.05	6	<0.5	<0.2
1577549	Soil		10	45	0.63	168	0.138	2	2.16	0.027	0.06	<0.1	0.03	4.8	<0.1	<0.05	7	<0.5	<0.2
1637354	Soil		8	44	0.52	220	0.125	1	2.12	0.029	0.05	<0.1	0.02	4.4	<0.1	<0.05	7	<0.5	<0.2
1637353	Soil		6	41	0.52	185	0.114	<1	1.99	0.029	0.04	<0.1	0.01	3.8	<0.1	<0.05	6	<0.5	<0.2
1577548	Soil		7	20	0.15	83	0.054	1	0.99	0.029	0.04	<0.1	0.03	2.5	<0.1	0.06	4	<0.5	<0.2
1577550	Soil		10	40	0.57	175	0.124	2	2.00	0.037	0.05	<0.1	0.02	4.5	<0.1	<0.05	6	<0.5	<0.2
1637357	Soil		11	73	0.86	153	0.160	2	3.19	0.036	0.08	0.1	0.03	8.5	0.1	0.05	9	<0.5	<0.2
1637355	Soil		9	75	1.09	177	0.174	1	2.75	0.020	0.05	<0.1	0.02	7.3	0.1	<0.05	8	<0.5	<0.2
1639016	Soil		14	43	0.56	163	0.106	<1	1.71	0.026	0.23	<0.1	0.01	4.1	0.1	<0.05	5	<0.5	<0.2
1637352	Soil		13	61	0.70	220	0.109	2	3.01	0.021	0.07	<0.1	0.03	6.7	0.2	<0.05	8	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1639014	Soil	1.1	28.5	14.3	51	<0.1	34.6	14.4	449	3.18	15.1	0.7	14.2	6.8	34	<0.1	0.6	0.1	81	0.53	0.034
1637351	Soil	0.9	57.7	8.5	74	<0.1	28.6	15.7	485	3.19	8.1	0.5	2.6	2.6	55	0.2	0.7	0.1	101	0.98	0.056
1639017	Soil	0.8	52.8	9.2	60	0.1	47.8	19.8	874	3.88	29.0	0.5	6.7	3.8	52	0.1	1.0	0.1	93	1.16	0.046
1639018	Soil	0.8	41.3	9.4	55	0.1	43.7	19.7	852	3.92	11.7	0.9	4.7	3.2	46	0.2	0.7	0.1	109	0.92	0.034
1639015	Soil	1.1	13.6	15.0	59	0.2	19.4	10.1	194	2.94	35.7	0.5	1.7	4.1	24	0.1	0.6	0.2	71	0.34	0.036
1639024	Soil	0.5	46.8	5.6	57	<0.1	30.4	13.5	452	2.55	6.7	0.8	2.2	1.2	71	0.3	0.5	<0.1	63	1.88	0.071
1676536	Soil	0.5	48.6	6.6	58	<0.1	33.5	13.8	493	3.07	8.6	0.8	11.8	2.6	59	0.1	0.4	0.1	84	1.19	0.070
1639021	Soil	0.4	51.3	7.6	46	0.1	33.8	12.4	461	2.71	9.8	0.8	4.6	2.2	68	0.2	0.7	0.1	70	1.61	0.068
1639019	Soil	0.6	53.5	7.3	61	<0.1	36.8	17.5	565	3.66	12.0	0.6	5.9	3.2	53	0.1	0.7	0.1	105	1.19	0.049
1639027	Soil	0.5	57.5	5.1	49	<0.1	32.4	12.8	386	2.65	5.6	1.1	3.9	1.4	66	0.2	0.7	<0.1	67	1.77	0.060
1676539	Soil	0.8	44.4	6.7	56	<0.1	31.8	14.2	524	2.97	7.9	0.9	5.0	2.3	63	0.2	0.5	0.1	83	1.22	0.070
1639022	Soil	0.5	46.9	6.2	46	0.1	29.8	12.0	468	2.40	6.7	0.8	2.9	1.2	69	0.7	0.6	<0.1	61	1.88	0.069
1639023	Soil	0.5	44.4	6.4	45	<0.1	29.4	11.3	386	2.47	7.1	0.9	2.4	1.6	65	0.2	0.6	0.1	64	1.70	0.061
1639029	Soil	1.0	54.7	4.9	60	0.1	44.2	19.6	589	3.38	6.9	0.7	6.8	1.5	58	0.3	1.0	<0.1	86	1.59	0.065
1639026	Soil	0.5	50.6	6.8	54	0.1	33.5	14.9	409	3.19	8.5	0.9	2.3	2.3	61	0.2	0.6	0.1	81	1.38	0.052
1639031	Soil	0.8	31.6	5.9	57	<0.1	26.1	13.6	298	2.26	3.4	0.5	2.9	0.9	32	0.1	0.3	<0.1	62	0.53	0.073
1639025	Soil	0.4	43.6	6.0	46	<0.1	29.9	13.0	417	2.54	6.9	1.1	4.7	1.4	75	0.2	0.6	<0.1	64	1.88	0.061
1639032	Soil	0.8	42.8	8.1	66	0.1	23.9	15.6	566	2.04	2.8	0.7	2.3	1.0	35	0.2	0.4	0.1	61	0.67	0.081
1639028	Soil	0.6	42.2	5.5	49	<0.1	26.6	13.2	449	2.46	5.6	0.8	2.2	1.3	61	0.3	0.5	<0.1	66	1.45	0.059
1637365	Soil	0.8	39.1	6.3	54	<0.1	27.1	14.5	482	3.20	5.6	0.6	1.4	1.8	47	0.2	0.5	0.1	89	1.11	0.035
1639030	Soil	0.5	35.7	6.4	68	<0.1	38.7	16.0	342	2.69	4.5	0.7	4.5	2.3	40	0.2	0.4	0.1	85	0.79	0.070
1637362	Soil	1.0	40.0	7.3	53	<0.1	30.8	15.2	450	3.42	5.7	0.6	2.5	2.5	41	0.1	0.6	0.1	89	0.92	0.031
1637361	Soil	0.9	31.5	6.7	51	0.1	26.0	15.6	754	3.02	4.0	0.5	0.9	1.6	41	0.1	0.4	0.1	77	0.89	0.043
1637366	Soil	0.8	45.0	7.0	59	<0.1	34.1	17.9	556	3.63	7.2	0.5	4.7	2.9	41	0.1	0.5	<0.1	94	0.99	0.048
1637358	Soil	1.2	43.4	10.2	69	0.2	39.9	19.1	623	3.44	7.5	0.6	1.0	2.5	56	0.2	0.5	<0.1	105	1.14	0.060
1637364	Soil	0.8	46.5	7.0	55	<0.1	32.4	17.6	694	3.28	6.1	0.5	5.7	2.6	44	0.2	0.5	0.1	90	0.89	0.040
1637363	Soil	0.9	37.1	8.0	57	<0.1	30.4	17.8	626	3.67	6.8	0.7	1.2	2.5	42	<0.1	0.5	0.1	98	0.90	0.030
1676535	Soil	0.8	51.2	6.0	60	<0.1	33.4	15.1	423	2.93	12.6	0.7	4.1	2.5	73	0.2	0.7	0.1	83	1.73	0.057
1637359	Soil	1.0	32.8	11.9	52	0.1	33.0	19.6	542	3.67	6.3	0.4	0.6	2.6	47	<0.1	0.4	<0.1	98	1.08	0.038
1676538	Soil	0.6	52.3	6.4	59	0.1	35.7	14.5	490	3.04	8.7	0.6	2.6	2.6	57	0.1	0.6	<0.1	86	1.35	0.072

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Project: WEL
Report Date: September 13, 2018

CERTIFICATE OF ANALYSIS WHI18000759.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1639014	Soil		16	50	0.67	192	0.125	2	2.23	0.037	0.15	<0.1	0.02	8.1	0.1	<0.05	6	<0.5	<0.2
1637351	Soil		13	49	0.84	191	0.180	3	2.35	0.058	0.07	0.2	0.02	7.7	<0.1	0.07	7	<0.5	<0.2
1639017	Soil		17	60	0.92	209	0.122	2	2.38	0.052	0.11	<0.1	0.03	9.2	<0.1	<0.05	7	<0.5	<0.2
1639018	Soil		18	65	0.97	193	0.146	3	2.67	0.043	0.08	<0.1	0.04	10.1	<0.1	<0.05	7	<0.5	<0.2
1639015	Soil		17	34	0.53	128	0.054	1	2.35	0.018	0.14	0.1	0.01	4.3	0.2	<0.05	8	<0.5	<0.2
1639024	Soil		12	42	0.74	170	0.094	4	1.62	0.043	0.08	0.1	0.03	4.6	<0.1	0.09	5	0.5	<0.2
1676536	Soil		14	41	0.76	191	0.123	2	1.94	0.062	0.07	0.1	0.02	6.3	<0.1	<0.05	5	<0.5	<0.2
1639021	Soil		14	42	0.68	193	0.094	2	1.74	0.044	0.09	<0.1	0.03	5.7	<0.1	0.06	5	<0.5	<0.2
1639019	Soil		16	57	0.95	147	0.150	3	2.27	0.046	0.10	0.2	0.03	8.4	<0.1	<0.05	7	<0.5	<0.2
1639027	Soil		11	41	0.74	150	0.113	4	1.66	0.039	0.07	0.1	0.04	5.3	<0.1	0.07	5	0.6	<0.2
1676539	Soil		13	40	0.76	189	0.124	3	1.86	0.065	0.06	<0.1	0.02	6.1	<0.1	<0.05	5	<0.5	<0.2
1639022	Soil		11	38	0.64	177	0.082	3	1.55	0.040	0.08	<0.1	0.03	4.7	<0.1	0.07	4	<0.5	<0.2
1639023	Soil		11	40	0.66	167	0.090	3	1.66	0.043	0.08	<0.1	0.04	5.3	<0.1	0.06	5	<0.5	<0.2
1639029	Soil		11	71	1.06	134	0.081	3	1.99	0.035	0.08	<0.1	0.03	8.9	<0.1	0.05	6	0.7	<0.2
1639026	Soil		14	48	0.79	165	0.127	2	2.03	0.047	0.10	<0.1	0.02	6.6	<0.1	<0.05	6	0.6	<0.2
1639031	Soil		9	48	0.62	128	0.098	2	1.63	0.025	0.05	0.1	0.05	4.9	<0.1	0.08	6	<0.5	<0.2
1639025	Soil		12	41	0.69	184	0.092	3	1.69	0.043	0.08	<0.1	0.03	5.0	<0.1	0.07	5	0.6	<0.2
1639032	Soil		10	48	0.62	131	0.077	2	1.59	0.028	0.05	<0.1	0.06	6.6	0.1	0.09	5	0.7	<0.2
1639028	Soil		11	38	0.63	166	0.094	4	1.71	0.046	0.08	<0.1	0.03	5.1	<0.1	0.06	5	0.7	<0.2
1637365	Soil		10	45	0.68	170	0.150	2	2.11	0.045	0.05	0.1	0.02	6.7	<0.1	<0.05	7	<0.5	<0.2
1639030	Soil		12	54	0.85	145	0.138	3	2.01	0.042	0.06	0.1	0.03	6.4	<0.1	<0.05	6	<0.5	<0.2
1637362	Soil		16	50	0.76	155	0.156	3	2.27	0.046	0.06	<0.1	0.03	8.3	<0.1	<0.05	7	<0.5	<0.2
1637361	Soil		12	40	0.63	180	0.131	4	2.10	0.043	0.08	<0.1	0.03	7.2	<0.1	<0.05	6	<0.5	<0.2
1637366	Soil		14	55	0.84	154	0.170	3	2.31	0.044	0.07	0.1	0.03	9.1	<0.1	<0.05	7	<0.5	<0.2
1637358	Soil		13	71	0.83	214	0.186	5	2.50	0.039	0.10	0.1	0.02	8.5	<0.1	0.06	7	<0.5	<0.2
1637364	Soil		14	48	0.74	172	0.155	2	2.28	0.056	0.06	<0.1	0.03	7.8	<0.1	<0.05	7	<0.5	<0.2
1637363	Soil		14	51	0.74	172	0.170	2	2.55	0.046	0.06	<0.1	0.03	8.8	<0.1	<0.05	7	<0.5	<0.2
1676535	Soil		13	39	0.72	168	0.136	4	1.70	0.073	0.06	<0.1	0.03	6.5	<0.1	0.05	5	<0.5	<0.2
1637359	Soil		10	63	0.76	189	0.189	4	2.52	0.038	0.11	0.2	0.03	9.3	<0.1	<0.05	7	<0.5	<0.2
1676538	Soil		14	42	0.76	184	0.133	3	1.88	0.064	0.08	0.1	0.02	6.4	<0.1	<0.05	5	0.5	<0.2

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Project: WEL
Report Date: September 13, 2018

CERTIFICATE OF ANALYSIS WHI18000759.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1577546	Soil	0.7	36.1	11.6	52	0.1	36.3	16.5	670	2.48	8.9	1.6	3.7	1.3	58	0.2	0.8	0.2	65	1.30	0.095
1676534	Soil	0.6	47.9	6.0	52	<0.1	26.2	13.3	364	2.80	8.8	0.5	3.1	2.1	45	0.2	0.4	0.1	84	0.92	0.048
1676533	Soil	0.7	52.0	6.5	61	<0.1	33.4	15.9	532	3.21	8.9	0.5	4.1	2.4	66	0.1	0.6	0.1	88	1.69	0.067
1637360	Soil	1.5	58.9	8.9	63	<0.1	45.1	19.4	496	3.89	9.7	0.8	3.6	3.6	45	<0.1	0.7	0.1	116	0.91	0.043
1676537	Soil	0.6	41.6	6.1	56	<0.1	31.1	14.2	541	2.96	8.4	0.5	10.4	2.6	73	0.2	0.5	<0.1	82	2.18	0.069
1676540	Soil	0.6	48.8	6.5	55	<0.1	33.0	14.4	512	3.00	8.4	0.5	2.8	2.9	66	0.1	0.5	0.1	81	1.77	0.069
1577542	Soil	0.8	22.2	20.8	54	<0.1	23.5	12.3	443	2.79	17.6	1.6	4.4	6.6	43	<0.1	0.4	0.2	65	0.77	0.065
1676542	Soil	0.6	42.2	6.1	54	<0.1	31.0	13.7	481	2.91	8.5	0.6	3.6	2.6	63	0.1	0.5	<0.1	80	1.61	0.064
1577545	Soil	0.5	11.6	11.9	23	<0.1	8.3	3.6	87	1.08	4.1	0.7	2.5	1.4	17	<0.1	0.2	0.1	31	0.25	0.044
1676541	Soil	0.7	43.5	7.0	59	<0.1	33.2	15.2	567	3.11	9.5	0.8	3.0	2.7	60	0.2	0.5	0.1	88	1.19	0.065
1577544	Soil	0.6	24.3	19.8	50	0.1	22.4	11.0	378	2.42	25.9	1.6	7.1	4.3	54	<0.1	0.5	0.2	58	1.06	0.069
1577537	Soil	0.6	34.8	62.1	79	0.2	21.6	13.0	493	2.18	6.1	0.6	2.9	1.5	57	0.3	0.6	<0.1	64	1.76	0.052
1577547	Soil	0.8	50.9	6.1	55	0.1	52.8	18.7	710	3.36	10.3	0.9	3.5	1.0	80	0.2	0.9	0.1	83	1.71	0.090
1577543	Soil	1.0	11.3	12.5	26	<0.1	9.0	4.7	117	1.58	8.4	0.4	1.7	2.1	22	<0.1	0.3	0.2	53	0.30	0.020
1577541	Soil	0.7	21.8	19.4	55	<0.1	22.4	10.8	347	2.69	14.9	1.5	5.3	6.5	49	0.1	0.4	0.2	61	0.89	0.065
1577535	Soil	0.5	53.0	5.3	34	<0.1	20.6	12.9	460	1.75	4.9	0.8	2.6	1.0	69	0.2	0.4	<0.1	46	2.31	0.042
1577539	Soil	0.7	21.7	15.1	53	<0.1	24.7	12.2	298	2.63	11.7	1.0	3.4	5.5	40	<0.1	0.5	0.2	66	0.80	0.063
1577540	Soil	0.8	24.6	20.0	57	0.1	24.3	10.7	322	2.75	17.2	1.5	5.5	5.5	50	<0.1	0.5	0.2	63	1.00	0.060
1577538	Soil	0.8	29.1	13.4	61	<0.1	25.7	13.6	493	2.78	10.2	1.2	2.7	3.8	51	0.2	0.5	0.2	66	1.19	0.077
1577536	Soil	0.4	42.9	4.9	40	<0.1	19.9	11.7	502	1.76	4.3	0.7	1.4	1.0	76	0.1	0.5	<0.1	49	2.59	0.064

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Project: WEL
Report Date: September 13, 2018

CERTIFICATE OF ANALYSIS WHI18000759.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1577546	Soil		21	48	0.65	242	0.049	3	2.05	0.024	0.10	<0.1	0.07	5.6	0.1	0.11	6	0.7	<0.2
1676534	Soil		12	42	0.69	157	0.124	2	1.93	0.059	0.06	<0.1	0.02	6.1	<0.1	<0.05	5	<0.5	<0.2
1676533	Soil		14	44	0.89	155	0.141	4	1.79	0.069	0.07	0.1	0.03	6.6	<0.1	<0.05	5	<0.5	<0.2
1637360	Soil		23	66	0.91	161	0.201	3	2.53	0.047	0.08	0.2	0.05	12.0	<0.1	<0.05	7	<0.5	<0.2
1676537	Soil		13	38	0.85	157	0.139	3	1.66	0.070	0.08	0.1	0.02	5.8	<0.1	<0.05	5	<0.5	<0.2
1676540	Soil		14	39	0.82	172	0.136	3	1.80	0.068	0.07	0.1	0.02	5.7	<0.1	<0.05	5	<0.5	<0.2
1577542	Soil		23	35	0.58	202	0.079	2	2.21	0.028	0.21	<0.1	0.04	5.8	0.2	<0.05	6	<0.5	<0.2
1676542	Soil		13	40	0.78	169	0.129	3	1.78	0.064	0.06	<0.1	0.02	6.1	<0.1	<0.05	5	<0.5	<0.2
1577545	Soil		10	16	0.21	75	0.041	1	0.94	0.026	0.09	<0.1	0.04	2.2	0.1	0.07	4	<0.5	<0.2
1676541	Soil		14	44	0.78	191	0.134	2	1.97	0.069	0.07	0.1	0.02	6.6	<0.1	<0.05	6	<0.5	<0.2
1577544	Soil		24	32	0.51	198	0.059	2	2.04	0.030	0.18	<0.1	0.04	5.3	0.2	0.07	6	<0.5	<0.2
1577537	Soil		9	40	0.65	123	0.112	3	1.47	0.043	0.05	<0.1	0.04	5.2	<0.1	0.08	4	0.7	<0.2
1577547	Soil		16	67	0.90	157	0.067	2	2.21	0.025	0.08	<0.1	0.06	7.9	<0.1	0.07	7	0.6	<0.2
1577543	Soil		10	18	0.25	98	0.064	<1	1.13	0.025	0.10	<0.1	0.02	2.5	0.1	<0.05	5	<0.5	<0.2
1577541	Soil		22	34	0.58	178	0.077	2	2.02	0.028	0.22	0.1	0.04	5.6	0.2	0.06	6	<0.5	<0.2
1577535	Soil		8	30	0.52	137	0.085	4	1.21	0.032	0.04	<0.1	0.04	4.3	<0.1	0.10	3	0.8	<0.2
1577539	Soil		18	40	0.66	136	0.094	1	1.85	0.029	0.18	<0.1	0.04	5.1	0.1	<0.05	6	<0.5	<0.2
1577540	Soil		21	37	0.61	202	0.072	2	2.22	0.026	0.23	0.1	0.05	5.7	0.2	0.06	7	<0.5	<0.2
1577538	Soil		17	40	0.68	176	0.083	2	1.88	0.032	0.17	0.1	0.05	5.5	0.1	0.07	6	<0.5	<0.2
1577536	Soil		8	31	0.55	115	0.094	4	1.29	0.038	0.05	<0.1	0.04	4.4	<0.1	0.16	4	0.6	<0.2

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Project: WEL
Report Date: September 13, 2018

QUALITY CONTROL REPORT WHI18000759.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1679168	Soil	0.5	55.7	6.9	38	0.1	32.6	9.4	419	2.44	14.3	1.2	4.9	1.8	73	0.2	0.7	0.1	51	1.53	0.069
REP 1679168	QC	0.4	52.7	6.7	42	0.1	31.7	9.6	403	2.27	13.5	1.2	11.0	1.8	72	0.1	0.6	0.1	49	1.46	0.072
1673698	Soil	1.3	29.5	7.3	74	<0.1	37.8	22.6	782	4.85	10.2	0.5	1.2	2.4	27	0.1	0.7	0.1	122	0.53	0.141
REP 1673698	QC	1.2	28.7	6.8	71	<0.1	36.8	22.2	777	4.88	10.2	0.5	1.4	2.3	27	0.1	0.7	0.1	127	0.56	0.128
1678302	Soil	0.6	22.5	19.4	34	0.2	15.2	5.0	178	1.67	9.5	2.1	3.4	1.1	34	0.3	0.3	0.2	31	0.47	0.072
REP 1678302	QC	0.5	22.0	18.9	35	0.2	15.3	5.1	180	1.62	9.3	2.1	5.6	1.1	33	0.2	0.3	0.1	31	0.46	0.070
1679627	Soil	0.4	26.9	6.7	56	<0.1	33.4	15.7	510	2.97	8.3	0.6	2.2	2.8	50	0.2	0.6	<0.1	64	1.17	0.082
REP 1679627	QC	0.5	28.8	6.7	57	<0.1	33.2	14.2	495	2.87	8.1	0.6	4.4	2.8	52	0.2	0.7	<0.1	71	1.08	0.078
1677610	Soil	0.6	56.7	7.7	60	<0.1	35.3	13.7	513	3.27	11.9	0.7	5.6	2.7	70	0.2	0.5	0.1	85	1.69	0.069
REP 1677610	QC	0.6	55.4	7.8	62	<0.1	34.5	13.8	511	3.26	11.8	0.7	4.9	2.6	68	0.2	0.5	0.1	84	1.71	0.069
1679671	Soil	0.9	56.5	8.6	65	<0.1	35.1	16.0	682	3.19	20.9	0.7	11.6	2.3	55	0.2	0.8	0.1	80	1.03	0.061
REP 1679671	QC	1.0	58.8	8.7	65	<0.1	34.5	16.4	695	3.35	21.1	0.7	6.8	2.4	58	0.2	0.7	0.1	76	1.16	0.056
1678542	Soil	0.9	26.1	7.1	40	0.3	16.2	6.6	174	2.09	4.4	0.5	1.2	1.5	30	0.2	0.3	0.1	60	0.45	0.030
REP 1678542	QC	1.0	26.8	7.0	40	0.3	16.7	6.7	170	2.07	4.6	0.5	1.7	1.5	29	0.2	0.3	0.1	58	0.43	0.027
1639022	Soil	0.5	46.9	6.2	46	0.1	29.8	12.0	468	2.40	6.7	0.8	2.9	1.2	69	0.7	0.6	<0.1	61	1.88	0.069
REP 1639022	QC	0.6	46.2	6.1	46	0.1	30.1	11.6	467	2.31	6.8	0.8	6.5	1.2	68	0.7	0.6	<0.1	59	1.88	0.066
1577541	Soil	0.7	21.8	19.4	55	<0.1	22.4	10.8	347	2.69	14.9	1.5	5.3	6.5	49	0.1	0.4	0.2	61	0.89	0.065
REP 1577541	QC	0.8	23.6	21.0	61	0.1	23.8	11.4	378	2.82	15.8	1.6	6.4	6.9	51	0.1	0.5	0.2	64	0.95	0.071
Reference Materials																					
STD DS11	Standard	15.3	150.8	144.0	340	1.7	81.2	14.8	1008	3.13	43.5	2.8	73.5	8.4	66	2.3	8.8	12.2	54	1.04	0.071
STD DS11	Standard	14.2	138.6	134.8	331	1.7	76.6	14.3	991	3.08	44.3	2.8	71.7	7.6	64	2.6	8.6	12.8	50	1.07	0.073
STD DS11	Standard	16.1	161.9	145.6	348	1.7	81.3	15.8	1065	3.28	43.2	2.9	89.3	8.7	67	2.3	9.2	12.3	56	1.07	0.070
STD DS11	Standard	16.1	153.4	140.6	350	1.9	85.7	15.2	1016	3.32	49.5	2.6	89.9	7.3	71	2.4	8.8	13.2	55	1.06	0.082
STD DS11	Standard	15.3	154.0	138.8	359	1.8	83.0	13.8	1044	3.09	47.8	2.7	74.6	8.0	72	2.4	8.7	12.7	52	1.09	0.077
STD DS11	Standard	15.8	161.7	138.6	350	1.7	79.2	14.4	1041	3.35	45.2	2.9	70.4	8.4	72	2.5	8.9	12.2	53	1.05	0.074
STD DS11	Standard	14.7	154.1	134.0	324	1.7	78.9	13.5	1001	3.11	43.3	2.7	83.4	8.4	70	2.4	8.5	11.8	52	1.06	0.069
STD DS11	Standard	15.1	151.2	134.5	340	1.7	77.1	13.0	1012	3.06	42.4	2.6	73.1	7.9	67	2.5	9.2	11.7	51	1.03	0.071
STD DS11	Standard	14.0	151.5	137.2	334	1.7	78.4	13.8	992	3.08	45.5	2.7	70.5	7.4	63	2.4	8.8	12.8	52	1.03	0.068

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Client: **White Gold Corp.**
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Project: WEL
Report Date: September 13, 2018

QUALITY CONTROL REPORT WHI18000759.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1679168	Soil	15	34	0.54	182	0.052	2	1.37	0.040	0.08	<0.1	0.04	5.2	<0.1	<0.05	4	<0.5	<0.2
REP 1679168	QC	14	34	0.53	171	0.052	2	1.51	0.034	0.08	<0.1	0.03	5.4	<0.1	0.06	5	0.7	<0.2
1673698	Soil	13	60	1.12	142	0.090	1	3.19	0.014	0.08	<0.1	0.02	8.3	<0.1	<0.05	10	<0.5	<0.2
REP 1673698	QC	13	57	1.20	146	0.081	1	2.94	0.015	0.08	<0.1	0.02	8.3	<0.1	<0.05	9	<0.5	<0.2
1678302	Soil	16	17	0.27	155	0.029	2	1.33	0.017	0.12	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
REP 1678302	QC	16	17	0.27	150	0.028	2	1.24	0.018	0.13	<0.1	0.04	2.7	<0.1	<0.05	4	<0.5	<0.2
1679627	Soil	13	44	0.84	139	0.103	2	1.65	0.035	0.09	<0.1	0.03	6.7	<0.1	<0.05	5	<0.5	<0.2
REP 1679627	QC	13	46	0.74	148	0.106	2	1.51	0.032	0.08	<0.1	0.02	6.8	<0.1	<0.05	5	<0.5	<0.2
1677610	Soil	15	42	0.85	203	0.149	3	1.93	0.074	0.09	0.1	0.02	6.7	<0.1	<0.05	5	<0.5	<0.2
REP 1677610	QC	14	41	0.81	206	0.147	3	1.85	0.070	0.09	0.1	0.03	6.6	<0.1	<0.05	5	<0.5	<0.2
1679671	Soil	12	41	0.74	234	0.112	2	1.91	0.055	0.07	<0.1	0.03	7.1	<0.1	<0.05	6	<0.5	<0.2
REP 1679671	QC	13	40	0.73	239	0.118	3	2.00	0.055	0.07	0.1	0.03	8.0	<0.1	<0.05	5	0.5	<0.2
1678542	Soil	9	26	0.44	121	0.101	1	1.31	0.024	0.06	<0.1	0.03	3.3	<0.1	<0.05	6	<0.5	<0.2
REP 1678542	QC	9	27	0.42	120	0.099	2	1.33	0.023	0.06	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
1639022	Soil	11	38	0.64	177	0.082	3	1.55	0.040	0.08	<0.1	0.03	4.7	<0.1	0.07	4	<0.5	<0.2
REP 1639022	QC	11	37	0.63	175	0.080	3	1.52	0.039	0.08	<0.1	0.03	4.5	<0.1	0.06	4	0.5	<0.2
1577541	Soil	22	34	0.58	178	0.077	2	2.02	0.028	0.22	0.1	0.04	5.6	0.2	0.06	6	<0.5	<0.2
REP 1577541	QC	24	35	0.60	192	0.083	2	2.14	0.029	0.22	0.1	0.03	5.9	0.2	0.06	6	<0.5	<0.2
Reference Materials																		
STD DS11	Standard	21	64	0.80	361	0.099	7	1.11	0.069	0.38	3.0	0.23	3.6	5.0	0.29	5	2.0	4.8
STD DS11	Standard	18	61	0.83	382	0.084	6	1.11	0.070	0.40	2.8	0.25	3.0	5.1	0.26	5	2.3	4.9
STD DS11	Standard	22	65	0.82	385	0.103	7	1.17	0.073	0.40	3.1	0.26	3.5	4.9	0.30	5	2.3	4.7
STD DS11	Standard	20	59	0.89	357	0.089	8	1.18	0.084	0.43	3.0	0.28	3.3	5.4	0.30	5	2.3	4.6
STD DS11	Standard	19	58	0.81	377	0.094	8	1.14	0.070	0.41	2.9	0.26	3.3	5.2	0.29	6	2.1	4.5
STD DS11	Standard	21	61	0.80	394	0.101	7	1.14	0.068	0.41	3.0	0.26	3.4	5.0	0.29	5	2.1	4.8
STD DS11	Standard	21	60	0.86	380	0.098	8	1.14	0.072	0.39	3.0	0.26	3.2	4.7	0.21	5	1.9	4.7
STD DS11	Standard	19	58	0.84	356	0.089	7	1.12	0.070	0.39	2.9	0.27	3.1	4.7	0.23	5	3.0	4.5
STD DS11	Standard	19	59	0.80	373	0.087	8	1.09	0.070	0.38	3.0	0.27	3.2	5.0	0.27	5	2.4	4.5

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Project: WEL
Report Date: September 13, 2018

QUALITY CONTROL REPORT WHI18000759.1

		AQ201 Mo ppm 0.1	AQ201 Cu ppm 0.1	AQ201 Pb ppm 0.1	AQ201 Zn ppm 1	AQ201 Ag ppm 0.1	AQ201 Ni ppm 0.1	AQ201 Co ppm 0.1	AQ201 Mn ppm 1	AQ201 Fe % 0.01	AQ201 As ppm 0.5	AQ201 U ppm 0.1	AQ201 Au ppb 0.5	AQ201 Th ppm 0.1	AQ201 Sr ppm 1	AQ201 Cd ppm 0.1	AQ201 Sb ppm 0.1	AQ201 Bi ppm 0.1	AQ201 V ppm 2	AQ201 Ca % 0.01	AQ201 P % 0.001
STD OXC129	Standard	1.4	30.7	6.7	48	<0.1	87.3	23.7	437	3.18	0.6	0.8	211.8	2.0	200	<0.1	<0.1	<0.1	60	0.78	0.110
STD OXC129	Standard	1.2	27.3	6.1	41	<0.1	76.8	21.2	420	2.91	<0.5	0.7	200.7	1.7	181	<0.1	<0.1	<0.1	49	0.58	0.091
STD OXC129	Standard	1.3	30.1	6.5	44	<0.1	83.2	23.0	434	3.07	0.7	0.7	184.0	2.0	191	<0.1	<0.1	<0.1	59	0.81	0.104
STD OXC129	Standard	1.4	27.8	6.0	39	<0.1	81.2	21.1	423	2.92	<0.5	0.7	200.8	1.7	182	<0.1	<0.1	<0.1	59	0.71	0.102
STD OXC129	Standard	1.3	28.4	6.2	46	<0.1	78.2	21.2	425	3.13	0.7	0.7	196.7	1.7	187	<0.1	<0.1	0.1	54	0.66	0.109
STD OXC129	Standard	1.3	31.6	6.4	46	<0.1	85.0	22.6	429	3.24	0.7	0.8	210.0	2.0	208	<0.1	<0.1	<0.1	59	0.78	0.114
STD OXC129	Standard	1.3	29.1	6.3	41	<0.1	80.5	20.1	434	3.05	<0.5	0.7	198.3	1.8	201	<0.1	<0.1	<0.1	55	0.78	0.109
STD OXC129	Standard	1.3	28.5	6.1	40	<0.1	80.2	20.4	418	3.04	0.7	0.7	194.4	1.8	189	<0.1	<0.1	<0.1	55	0.72	0.105
STD OXC129	Standard	1.3	28.9	6.1	44	<0.1	82.2	22.5	431	3.19	0.7	0.7	199.1	1.7	180	<0.1	<0.1	0.1	55	0.75	0.099
STD OXC129 Expected		1.3	28	6.2	42.9		79.5	20.3	421	3.065	0.6	0.69	195	1.9					51	0.684	0.102
STD DS11 Expected		14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	3	<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	3	<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	3	<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	4	<0.01	<0.001

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Project: WEL
Report Date: September 13, 2018

QUALITY CONTROL REPORT WHI18000759.1

		AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD OXC129	Standard	14	62	1.68	57	0.457	<1	1.77	0.621	0.37	0.1	<0.01	1.2	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	12	51	1.45	52	0.365	<1	1.41	0.586	0.34	<0.1	<0.01	0.6	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	60	1.58	52	0.438	<1	1.66	0.604	0.34	<0.1	<0.01	1.2	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	53	1.69	50	0.401	1	1.61	0.663	0.36	<0.1	<0.01	0.7	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	53	1.57	46	0.403	1	1.54	0.565	0.40	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	57	1.55	57	0.423	2	1.59	0.592	0.38	<0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	54	1.61	52	0.412	1	1.64	0.620	0.35	<0.1	<0.01	1.1	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	12	51	1.58	50	0.398	<1	1.56	0.614	0.34	<0.1	<0.01	0.6	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	14	55	1.56	55	0.406	1	1.46	0.594	0.34	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC129 Expected		12.5	52	1.545	50	0.4	1	1.58	0.59	0.3655			1.1			5.5		
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Submitted By: Greg Dawson
Receiving Lab: Canada-Whitehorse
Received: August 27, 2018
Report Date: September 14, 2018
Page: 1 of 7

CERTIFICATE OF ANALYSIS WHI18000760.1

CLIENT JOB INFORMATION

Project: WEL
Shipment ID: WEL-20180816-001-SOIL
P.O. Number
Number of Samples: 163

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
DY060	163	Dry at 60C			WHI
SS80	163	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201-U	162	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	163	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS

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

CC: Jodie Gibson
Ben McGrath
Wes Hodson
Isaac Fage

CLAIRE HO
Special Projects Coordinator

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

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Report Date: September 14, 2018

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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1678321	Soil		0.5	64.1	7.7	52	0.2	30.4	14.8	614	3.08	7.1	0.7	2.7	2.2	38	0.5	0.5	0.2	79	0.64	0.041
1678319	Soil		0.5	65.9	7.5	65	0.1	29.9	12.8	442	3.32	7.1	0.6	3.0	2.1	43	0.2	0.6	0.1	85	0.71	0.060
1678322	Soil		0.8	58.2	8.9	65	0.2	28.4	16.0	776	3.11	6.8	1.0	2.4	2.2	45	0.6	0.5	0.1	72	0.80	0.057
1678544	Soil		1.0	28.2	9.7	54	0.1	20.8	10.4	385	3.08	9.4	0.7	1.8	2.4	36	0.1	0.5	0.2	77	0.55	0.045
1678323	Soil		0.6	55.9	6.8	50	0.1	25.7	8.4	362	2.23	5.5	0.7	2.0	1.0	76	0.4	0.6	0.1	52	1.67	0.070
1678320	Soil		0.7	53.9	6.6	64	0.1	26.2	13.3	626	2.92	6.9	0.8	3.4	1.4	49	0.4	0.6	0.1	73	0.87	0.073
1678331	Soil		1.0	30.7	8.0	55	0.2	31.0	13.4	390	3.36	9.2	0.5	1.7	3.2	36	0.2	0.5	0.1	89	0.54	0.057
1678539	Soil		0.7	53.1	7.7	52	0.1	32.6	14.3	475	3.39	11.2	0.7	3.4	3.0	40	0.1	0.5	0.1	87	0.76	0.035
1639421	Soil		0.6	49.9	10.5	59	0.1	37.6	14.1	590	2.94	11.8	0.8	4.5	2.3	54	0.1	0.8	0.1	73	1.26	0.077
1639410	Soil		0.6	30.4	22.9	39	<0.1	24.0	12.2	464	2.57	19.2	1.2	7.1	13.5	32	<0.1	0.9	0.3	52	0.41	0.042
1678316	Soil		0.7	50.3	7.5	55	<0.1	26.0	14.7	395	3.42	5.8	0.4	3.9	2.2	36	0.1	0.6	0.1	102	0.57	0.043
1678315	Soil		0.8	85.6	6.8	58	<0.1	30.1	18.5	511	3.79	6.8	0.5	2.9	1.9	36	0.2	0.6	0.1	111	0.65	0.040
1639420	Soil		0.5	59.5	8.3	63	<0.1	32.8	17.2	590	3.83	11.3	0.4	5.0	2.4	58	0.1	0.7	0.1	98	1.33	0.079
1639411	Soil		0.5	20.1	20.8	36	<0.1	21.2	13.4	294	2.76	21.5	1.2	4.8	14.3	32	<0.1	0.7	0.2	52	0.44	0.030
1678317	Soil		0.7	50.5	8.7	62	<0.1	27.7	13.5	320	3.41	7.9	0.4	3.6	2.0	36	0.2	0.5	0.1	96	0.51	0.048
1678318	Soil		0.9	60.3	9.9	58	0.1	32.3	15.3	469	3.57	7.6	0.5	2.2	2.4	40	0.2	0.6	0.1	96	0.65	0.050
1639414	Soil		0.7	25.5	15.0	46	<0.1	27.0	12.9	462	3.04	32.7	0.8	5.4	6.1	35	0.1	0.7	0.2	65	0.55	0.041
1639415	Soil		0.6	25.7	25.2	45	<0.1	20.1	10.2	336	2.72	161.3	0.9	20.6	13.8	29	<0.1	1.5	0.3	46	0.43	0.041
1639413	Soil		1.2	19.2	18.9	47	<0.1	22.4	12.8	335	2.95	21.7	0.8	1.9	6.6	32	0.1	0.8	0.2	64	0.39	0.023
1639422	Soil		0.8	52.6	7.9	52	<0.1	39.2	18.0	473	3.26	7.8	0.6	1.7	2.2	44	0.2	0.6	0.1	89	0.89	0.027
1639416	Soil		0.6	91.6	7.7	50	0.1	48.7	18.6	946	2.98	53.3	0.6	3.7	0.9	70	0.2	0.9	0.1	79	1.68	0.062
1639412	Soil		0.9	11.0	20.0	32	<0.1	16.2	8.3	186	2.51	18.9	1.3	<0.5	13.1	18	<0.1	0.7	0.1	45	0.23	0.031
1639423	Soil		0.8	51.0	9.6	47	<0.1	35.5	16.4	469	3.16	7.3	0.6	3.2	2.7	37	<0.1	0.5	0.1	83	0.72	0.028
1639424	Soil		0.8	47.9	8.0	53	<0.1	34.0	18.4	395	3.26	8.3	0.7	3.0	2.6	41	0.2	0.4	0.1	85	0.76	0.033
1639418	Soil		0.5	60.9	9.2	54	<0.1	35.0	17.9	561	3.55	23.5	0.4	10.0	3.3	47	<0.1	0.8	0.1	88	1.04	0.049
1639417	Soil		0.4	113.9	6.2	56	0.1	48.7	24.7	781	4.40	61.3	0.7	5.2	2.1	51	0.1	1.0	<0.1	122	1.16	0.048
1639426	Soil		0.5	86.4	5.7	47	0.1	31.6	12.9	306	2.49	5.8	1.9	3.3	1.9	58	0.2	0.7	<0.1	65	1.42	0.071
1639429	Soil		0.8	34.8	5.3	50	<0.1	42.0	16.2	493	2.34	4.3	0.7	2.1	0.9	39	0.2	0.3	0.1	68	0.87	0.063
1639427	Soil		0.4	39.3	5.8	57	<0.1	27.8	13.1	433	2.86	8.2	0.5	1.7	2.6	61	0.2	0.5	<0.1	73	1.53	0.093
1639419	Soil		0.4	55.2	7.2	52	<0.1	32.6	16.2	645	3.36	11.8	0.5	3.4	2.7	48	0.1	0.7	0.1	87	0.98	0.040

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Client: **White Gold Corp.**
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Project: WEL
Report Date: September 14, 2018

CERTIFICATE OF ANALYSIS WHI18000760.1

		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1678321	Soil		13	36	0.65	244	0.098	2	1.87	0.036	0.05	<0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
1678319	Soil		13	41	0.82	203	0.121	3	2.08	0.040	0.06	0.1	0.04	7.5	<0.1	<0.05	6	<0.5	<0.2
1678322	Soil		22	35	0.66	271	0.100	2	1.87	0.037	0.08	0.1	0.03	6.3	<0.1	<0.05	5	<0.5	<0.2
1678544	Soil		14	36	0.70	212	0.107	1	1.92	0.026	0.06	0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
1678323	Soil		25	25	0.55	329	0.062	4	1.44	0.031	0.06	<0.1	0.05	4.6	<0.1	<0.05	4	0.6	<0.2
1678320	Soil		14	35	0.68	220	0.092	2	1.91	0.036	0.07	0.1	0.05	7.2	<0.1	<0.05	5	<0.5	<0.2
1678331	Soil		13	46	0.77	235	0.118	2	2.49	0.030	0.05	<0.1	0.02	5.7	<0.1	<0.05	6	<0.5	<0.2
1678539	Soil		13	50	0.75	172	0.135	2	2.03	0.039	0.09	0.1	0.02	7.7	<0.1	<0.05	6	<0.5	<0.2
1639421	Soil		15	46	0.81	193	0.084	2	1.78	0.034	0.08	<0.1	0.04	5.5	<0.1	<0.05	5	<0.5	<0.2
1639410	Soil		24	31	0.54	156	0.075	2	1.49	0.031	0.16	0.1	0.02	8.1	0.2	<0.05	5	<0.5	<0.2
1678316	Soil		9	42	0.80	174	0.145	1	2.28	0.034	0.04	<0.1	0.02	5.8	<0.1	<0.05	6	<0.5	<0.2
1678315	Soil		11	44	0.83	151	0.132	3	2.19	0.029	0.04	<0.1	0.03	6.0	<0.1	<0.05	6	<0.5	<0.2
1639420	Soil		14	48	1.15	150	0.138	2	2.24	0.042	0.09	0.1	0.03	7.4	<0.1	<0.05	7	<0.5	<0.2
1639411	Soil		26	32	0.50	167	0.056	1	1.91	0.014	0.18	<0.1	0.01	7.6	0.2	<0.05	5	<0.5	<0.2
1678317	Soil		9	40	0.74	156	0.131	2	1.93	0.039	0.05	<0.1	0.01	6.1	<0.1	<0.05	6	<0.5	<0.2
1678318	Soil		13	43	0.83	212	0.121	1	2.25	0.035	0.04	0.1	0.03	7.1	<0.1	<0.05	6	<0.5	<0.2
1639414	Soil		14	38	0.61	156	0.102	2	1.76	0.029	0.15	<0.1	0.02	5.4	<0.1	<0.05	5	<0.5	<0.2
1639415	Soil		25	27	0.47	161	0.045	1	1.66	0.017	0.20	<0.1	0.02	5.7	0.2	<0.05	4	<0.5	<0.2
1639413	Soil		13	36	0.53	118	0.093	1	1.81	0.020	0.16	<0.1	0.02	4.0	0.1	<0.05	5	<0.5	<0.2
1639422	Soil		16	56	0.81	161	0.149	2	2.07	0.040	0.06	<0.1	0.03	8.4	<0.1	<0.05	6	<0.5	<0.2
1639416	Soil		11	65	0.71	128	0.081	3	2.02	0.031	0.06	0.2	0.05	5.6	<0.1	<0.05	6	0.7	<0.2
1639412	Soil		29	25	0.44	94	0.043	<1	1.56	0.009	0.23	<0.1	<0.01	4.6	0.2	<0.05	5	<0.5	<0.2
1639423	Soil		15	50	0.82	160	0.150	1	2.23	0.045	0.05	<0.1	0.03	7.7	<0.1	<0.05	6	<0.5	<0.2
1639424	Soil		13	54	0.83	163	0.151	2	2.29	0.039	0.05	<0.1	0.03	8.1	<0.1	<0.05	6	<0.5	<0.2
1639418	Soil		13	49	0.94	163	0.128	2	2.25	0.037	0.08	0.1	0.03	7.5	<0.1	<0.05	6	<0.5	<0.2
1639417	Soil		11	73	1.34	125	0.189	1	2.42	0.028	0.07	0.1	0.04	8.0	<0.1	<0.05	9	<0.5	<0.2
1639426	Soil		12	38	0.73	136	0.104	3	1.59	0.042	0.05	0.1	0.03	5.3	<0.1	<0.05	4	0.6	<0.2
1639429	Soil		8	45	0.76	136	0.072	2	1.53	0.027	0.04	<0.1	0.05	5.1	<0.1	<0.05	5	<0.5	<0.2
1639427	Soil		11	33	0.83	136	0.121	3	1.48	0.054	0.08	0.2	0.02	5.0	<0.1	<0.05	4	<0.5	<0.2
1639419	Soil		13	46	0.89	156	0.137	2	2.08	0.043	0.07	0.1	0.02	6.9	<0.1	<0.05	6	<0.5	<0.2

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1639425	Soil	0.8	52.3	9.4	47	<0.1	35.4	16.5	462	3.03	7.2	0.7	3.4	2.4	42	0.2	0.4	0.1	80	0.84	0.038
1639430	Soil	0.5	47.6	4.5	51	0.1	45.4	16.6	350	2.29	3.1	0.7	1.8	0.7	32	0.2	0.3	<0.1	49	0.61	0.084
1639398	Soil	0.8	57.2	5.9	42	0.1	26.7	15.2	625	2.58	6.3	0.7	1.5	1.8	30	0.2	0.4	0.1	69	0.49	0.030
1639401	Soil	1.2	43.3	8.2	72	0.1	33.8	17.4	458	3.36	12.0	0.7	1.9	2.2	40	0.5	1.1	0.1	90	0.84	0.071
1639399	Soil	1.2	31.8	6.7	33	0.2	19.6	8.4	128	2.56	6.8	0.3	3.9	1.3	26	0.2	0.4	0.1	78	0.44	0.018
1639428	Soil	0.4	14.7	6.4	49	<0.1	19.7	6.5	129	1.65	2.9	0.4	6.5	0.6	24	<0.1	0.3	0.1	40	0.39	0.067
1679200	Soil	0.4	45.8	5.6	62	<0.1	25.0	13.0	382	2.29	6.8	0.7	6.4	1.8	45	0.2	0.5	0.2	68	0.98	0.062
1639400	Soil	0.9	37.6	5.6	41	0.1	23.0	11.3	200	2.37	7.0	0.5	4.6	1.7	33	0.2	0.3	0.2	69	0.50	0.035
1639404	Soil	0.9	20.2	6.3	66	<0.1	22.6	18.1	830	2.79	6.0	0.6	8.3	1.3	45	0.2	0.4	0.1	69	0.71	0.088
1639409	Soil	0.5	13.1	20.9	30	<0.1	10.2	6.3	173	1.43	14.6	0.5	13.9	11.4	20	<0.1	0.6	0.3	32	0.27	0.032
1679188	Soil	1.2	34.4	10.3	55	0.2	22.1	15.9	555	2.89	11.0	0.7	3.2	2.2	36	0.2	0.5	0.2	82	0.57	0.038
1639402	Soil	0.7	43.5	6.6	47	<0.1	25.2	14.2	284	2.64	6.4	0.6	3.0	1.8	22	0.4	0.5	0.2	65	0.36	0.034
1639405	Soil	0.4	24.3	6.0	59	<0.1	18.0	16.5	919	2.80	7.2	0.7	4.0	1.4	66	0.3	0.4	0.1	69	1.20	0.093
1639408	Soil	1.0	14.6	19.6	43	<0.1	15.2	9.7	308	2.46	55.5	0.6	15.0	6.3	26	0.1	0.6	0.2	56	0.33	0.053
1679189	Soil	0.9	30.1	9.9	53	0.2	23.8	14.4	891	2.98	8.5	0.8	2.3	2.6	38	0.2	0.4	0.1	75	0.59	0.050
1639403	Soil	0.4	25.7	5.7	56	<0.1	22.3	9.1	233	2.04	4.2	0.6	2.0	1.1	47	0.1	0.4	0.1	53	0.91	0.068
1639406	Soil	0.5	17.7	4.9	54	<0.1	16.0	15.0	647	2.63	4.3	0.6	2.3	1.3	53	0.2	0.3	<0.1	64	0.94	0.078
1639407	Soil	0.8	35.1	5.4	54	0.1	21.1	19.9	743	2.85	10.1	1.3	1.6	1.0	68	0.2	0.4	0.1	69	1.15	0.088
1678326	Soil	0.8	52.6	12.0	54	0.2	20.7	14.1	1056	2.12	6.4	0.6	7.3	1.1	26	0.1	0.3	0.2	58	0.29	0.051
1678329	Soil	1.1	19.9	7.6	37	0.1	16.3	8.1	194	2.14	8.4	0.3	2.0	1.2	19	<0.1	0.3	0.2	57	0.22	0.037
1676496	Soil	0.5	9.2	17.0	22	0.1	6.3	4.6	167	1.03	7.5	0.5	0.9	0.6	14	<0.1	0.3	0.2	26	0.18	0.046
1678330	Soil	1.4	24.6	7.6	45	0.2	20.8	9.4	286	2.47	7.9	0.4	4.6	1.7	28	0.2	0.4	0.1	71	0.33	0.030
1678324	Soil	0.7	54.8	17.0	86	0.2	33.7	17.1	809	2.65	11.0	0.6	8.7	2.6	29	0.1	0.5	0.2	58	0.38	0.067
1678328	Soil	0.9	54.6	10.4	59	0.1	28.5	13.4	798	3.06	10.2	0.8	6.1	2.0	41	0.1	0.5	0.2	71	0.54	0.057
1676488	Soil	0.7	35.2	6.2	43	<0.1	33.1	16.8	464	3.03	15.6	0.6	2.4	1.3	58	0.4	0.6	0.1	86	1.15	0.041
1678335	Soil	1.7	63.4	12.1	98	0.7	49.7	24.3	588	5.17	109.7	0.6	2.6	3.7	26	0.3	1.4	0.3	119	0.52	0.041
1678325	Soil	0.8	50.6	16.6	80	0.2	33.4	15.7	781	2.56	11.9	0.6	12.1	2.5	28	0.2	0.5	0.2	59	0.36	0.068
1678334	Soil	1.3	72.8	10.5	71	0.7	52.1	28.7	769	4.68	209.0	0.6	44.4	2.2	30	0.1	2.4	0.2	112	0.60	0.027
1678333	Soil	0.9	35.2	9.2	60	0.3	35.6	15.4	689	3.44	12.8	1.0	4.7	3.4	38	0.2	0.6	0.1	85	0.64	0.023
1676494	Soil	0.7	14.6	23.4	41	0.3	13.4	7.2	238	1.70	12.4	1.2	4.4	1.8	28	0.2	0.4	0.2	38	0.37	0.073

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1639425	Soil	14	49	0.77	174	0.138	2	1.97	0.040	0.05	<0.1	0.03	7.4	<0.1	<0.05	6	<0.5	<0.2
1639430	Soil	8	57	0.77	100	0.070	2	1.51	0.019	0.03	0.1	0.07	5.1	<0.1	<0.05	5	<0.5	<0.2
1639398	Soil	13	37	0.52	160	0.104	1	1.85	0.034	0.04	<0.1	0.03	5.3	0.1	<0.05	6	<0.5	<0.2
1639401	Soil	11	48	0.73	204	0.125	2	2.15	0.030	0.07	0.1	0.04	5.9	<0.1	<0.05	6	<0.5	<0.2
1639399	Soil	6	35	0.44	82	0.113	1	1.38	0.021	0.05	0.1	0.02	3.7	<0.1	<0.05	7	<0.5	<0.2
1639428	Soil	7	37	0.49	87	0.091	2	1.25	0.021	0.04	<0.1	0.04	3.0	<0.1	<0.05	5	<0.5	<0.2
1679200	Soil	11	34	0.58	157	0.084	3	1.62	0.035	0.05	0.1	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2
1639400	Soil	10	39	0.53	119	0.095	2	1.63	0.020	0.05	0.1	0.04	5.1	<0.1	<0.05	5	<0.5	<0.2
1639404	Soil	10	33	0.85	128	0.068	2	1.55	0.021	0.06	<0.1	0.04	5.6	<0.1	<0.05	6	<0.5	<0.2
1639409	Soil	23	16	0.24	138	0.022	2	1.15	0.008	0.20	<0.1	<0.01	2.6	0.1	<0.05	3	<0.5	<0.2
1679188	Soil	10	35	0.58	179	0.079	1	1.89	0.019	0.04	<0.1	0.03	4.9	0.1	<0.05	6	<0.5	<0.2
1639402	Soil	10	40	0.41	149	0.080	1	1.63	0.024	0.05	<0.1	0.02	4.2	<0.1	<0.05	7	<0.5	<0.2
1639405	Soil	12	26	0.83	161	0.062	2	1.80	0.022	0.08	<0.1	0.04	5.9	<0.1	<0.05	6	<0.5	<0.2
1639408	Soil	19	23	0.36	151	0.035	1	1.74	0.011	0.13	<0.1	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
1679189	Soil	23	37	0.57	227	0.088	2	1.89	0.025	0.05	0.1	0.03	5.2	<0.1	<0.05	6	<0.5	<0.2
1639403	Soil	10	34	0.67	111	0.065	2	1.50	0.022	0.05	<0.1	0.04	4.7	<0.1	<0.05	5	<0.5	<0.2
1639406	Soil	12	22	0.72	103	0.073	2	1.47	0.023	0.06	<0.1	0.04	4.5	<0.1	<0.05	6	<0.5	<0.2
1639407	Soil	14	25	0.76	238	0.047	2	2.07	0.018	0.06	<0.1	0.08	5.4	0.1	<0.05	7	<0.5	<0.2
1678326	Soil	8	34	0.46	667	0.057	1	1.54	0.017	0.04	<0.1	0.05	3.7	<0.1	<0.05	6	<0.5	<0.2
1678329	Soil	6	24	0.35	168	0.078	1	1.48	0.016	0.04	<0.1	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2
1676496	Soil	7	15	0.15	59	0.030	<1	0.84	0.013	0.07	<0.1	0.02	1.5	0.1	<0.05	5	<0.5	<0.2
1678330	Soil	10	30	0.47	182	0.088	1	1.58	0.019	0.04	<0.1	0.03	3.7	<0.1	<0.05	6	<0.5	<0.2
1678324	Soil	12	33	0.58	632	0.074	1	1.65	0.017	0.06	<0.1	0.03	4.2	<0.1	<0.05	6	<0.5	<0.2
1678328	Soil	15	38	0.56	325	0.088	1	2.29	0.025	0.06	<0.1	0.04	6.6	<0.1	<0.05	6	<0.5	<0.2
1676488	Soil	12	46	0.76	101	0.063	2	1.82	0.029	0.06	<0.1	0.03	7.5	<0.1	<0.05	7	<0.5	<0.2
1678335	Soil	10	73	0.97	342	0.052	1	2.96	0.016	0.14	<0.1	0.03	10.4	0.2	<0.05	9	<0.5	<0.2
1678325	Soil	11	34	0.60	619	0.077	1	1.79	0.019	0.05	<0.1	0.03	4.5	<0.1	<0.05	5	<0.5	<0.2
1678334	Soil	14	58	1.06	178	0.076	1	2.71	0.018	0.05	<0.1	0.04	13.3	0.1	<0.05	8	<0.5	<0.2
1678333	Soil	19	47	0.70	197	0.116	1	2.29	0.035	0.05	<0.1	0.04	9.6	<0.1	<0.05	6	<0.5	<0.2
1676494	Soil	11	21	0.33	107	0.034	1	1.33	0.017	0.11	<0.1	0.05	3.2	0.1	<0.05	6	<0.5	<0.2

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Project: WEL
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1678327	Soil	1.1	46.1	13.4	63	0.2	29.6	20.4	1530	2.81	10.9	0.7	5.9	1.6	31	0.1	0.4	0.2	71	0.41	0.051
1678332	Soil	1.7	21.1	7.5	101	0.6	21.5	13.3	1968	2.20	4.5	0.4	0.8	1.2	28	1.8	0.4	0.1	58	0.46	0.070
1678336	Soil	1.1	39.8	9.2	54	0.2	34.7	16.0	547	3.30	19.6	0.5	4.1	2.4	38	0.1	0.7	0.1	84	0.64	0.021
1676495	Soil	0.6	12.2	17.1	47	<0.1	17.0	10.3	386	2.22	10.7	0.7	0.8	4.7	20	0.1	0.4	0.2	54	0.26	0.049
1676493	Soil	0.6	23.7	14.4	61	0.1	25.3	13.8	654	2.66	13.8	1.6	5.9	4.0	50	0.2	0.6	0.2	59	0.98	0.089
1678338	Soil	0.8	77.0	15.4	60	<0.1	44.4	17.8	1202	3.14	43.6	0.5	15.2	3.4	43	<0.1	0.9	0.2	74	0.68	0.038
1678340	Soil	0.7	48.8	7.7	51	<0.1	33.8	14.2	500	3.02	14.1	0.4	4.3	2.9	40	<0.1	0.6	0.1	79	0.76	0.048
1678343	Soil	0.4	44.6	6.9	57	<0.1	32.6	12.9	437	3.11	10.1	0.6	10.4	2.3	53	<0.1	0.5	0.1	70	1.19	0.075
1676489	Soil	0.7	54.2	5.9	55	<0.1	59.0	20.4	586	3.94	25.4	0.4	3.3	1.3	83	0.2	0.7	<0.1	87	1.75	0.082
1676497	Soil	0.5	25.5	7.0	40	0.1	24.7	13.4	467	1.90	11.3	0.9	3.3	0.8	47	0.3	0.7	0.1	47	0.78	0.066
1678341	Soil	0.6	38.1	7.8	56	<0.1	33.9	14.5	485	3.21	18.9	0.6	9.1	2.7	43	<0.1	0.7	0.1	79	0.74	0.048
1678345	Soil	0.5	43.0	6.2	52	<0.1	31.2	14.3	648	2.84	10.6	1.2	4.1	2.0	68	0.1	0.6	0.1	74	1.48	0.069
1676492	Soil	0.6	25.9	6.9	50	<0.1	24.8	12.1	495	2.31	6.7	0.6	3.3	1.3	65	0.3	0.5	0.2	51	1.45	0.071
1676491	Soil	0.5	31.2	7.4	55	<0.1	25.8	12.8	535	2.55	6.8	0.8	3.0	1.7	64	0.2	0.6	0.2	57	1.35	0.072
1678342	Soil	0.5	41.9	7.3	51	<0.1	30.9	12.4	403	3.01	9.8	0.4	4.0	2.6	41	0.1	0.4	0.1	73	0.82	0.055
1678346	Soil	0.7	47.4	6.6	45	<0.1	26.2	11.9	410	2.73	9.4	1.2	3.8	1.8	56	0.1	0.6	0.1	66	1.22	0.064
1676490	Soil	0.8	30.5	5.7	55	0.1	23.3	12.1	531	2.31	7.2	0.6	1.1	0.8	78	0.3	0.6	<0.1	50	1.71	0.079
1678339	Soil	0.8	36.3	7.4	48	<0.1	32.3	15.8	567	3.42	17.5	0.6	3.2	3.1	35	<0.1	0.6	0.1	84	0.60	0.019
1678344	Soil	0.6	38.1	5.8	46	<0.1	25.9	10.9	345	2.63	8.3	1.0	6.3	2.0	51	0.1	0.5	<0.1	65	1.07	0.062
1678337	Soil	1.0	44.8	9.2	57	<0.1	33.8	16.5	649	3.37	32.9	0.5	3.7	2.9	31	<0.1	0.8	0.1	80	0.45	0.022
1638152	Soil	0.8	46.4	6.4	59	<0.1	32.6	12.3	427	2.97	9.7	0.5	2.2	2.2	50	0.1	0.5	0.1	70	1.15	0.068
1638154	Soil	0.6	50.5	14.9	60	0.1	31.6	12.2	376	2.66	6.3	0.6	3.5	1.5	58	0.3	0.8	0.2	63	1.50	0.075
1638155	Soil	0.4	41.5	5.5	47	<0.1	27.5	14.5	434	2.58	5.8	1.2	13.3	1.6	54	0.1	0.5	0.1	66	1.44	0.061
1638151	Soil	1.0	53.7	7.3	59	0.1	36.4	14.8	532	2.85	7.4	0.5	2.2	2.2	54	0.3	0.6	0.1	69	1.35	0.066
1638140	Soil	0.6	20.1	10.4	48	0.2	17.1	10.5	1495	1.92	7.3	0.4	1.0	1.6	39	1.3	0.3	0.1	37	0.50	0.202
1638153	Soil	0.4	44.4	6.0	56	<0.1	29.7	12.5	385	2.69	5.6	0.5	1.3	2.0	49	0.2	0.5	<0.1	66	1.27	0.057
1638157	Soil	0.4	21.6	6.4	51	<0.1	18.1	8.3	242	2.03	4.2	0.5	3.6	1.3	30	0.1	0.2	0.1	51	0.56	0.059
1638137	Soil	0.5	20.1	13.2	39	0.1	14.5	7.9	232	2.03	16.1	0.7	7.3	1.4	40	0.2	0.4	0.2	43	0.64	0.051
1638145	Soil	0.6	66.5	6.8	56	<0.1	35.2	12.1	457	2.78	6.3	0.5	3.0	1.4	62	0.3	0.6	<0.1	62	1.56	0.081
1638141	Soil	1.0	24.3	13.3	50	0.1	26.5	11.1	462	2.96	23.4	0.8	3.0	2.7	42	0.2	0.7	0.1	68	0.70	0.072

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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1678327	Soil	11	39	0.50	534	0.076	<1	1.92	0.020	0.06	<0.1	0.05	5.2	<0.1	<0.05	7	<0.5	<0.2
1678332	Soil	7	29	0.42	272	0.068	1	1.45	0.025	0.05	<0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
1678336	Soil	12	49	0.62	384	0.098	1	2.32	0.024	0.06	<0.1	0.02	8.2	<0.1	<0.05	6	<0.5	<0.2
1676495	Soil	14	23	0.34	141	0.064	1	1.46	0.018	0.10	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
1676493	Soil	18	33	0.58	209	0.058	1	1.83	0.022	0.14	<0.1	0.03	6.0	0.1	<0.05	6	<0.5	<0.2
1678338	Soil	19	44	0.63	401	0.100	2	2.00	0.036	0.06	<0.1	0.05	8.9	<0.1	<0.05	5	<0.5	<0.2
1678340	Soil	15	42	0.71	210	0.116	2	1.79	0.043	0.06	0.1	0.02	7.5	<0.1	<0.05	6	<0.5	<0.2
1678343	Soil	12	37	0.75	200	0.100	3	1.69	0.047	0.07	0.1	0.03	5.8	<0.1	<0.05	5	<0.5	<0.2
1676489	Soil	13	73	1.40	122	0.069	3	2.23	0.027	0.10	<0.1	0.04	8.0	<0.1	<0.05	7	0.6	<0.2
1676497	Soil	15	24	0.29	127	0.028	1	1.28	0.019	0.06	<0.1	0.04	4.8	0.1	<0.05	5	<0.5	<0.2
1678341	Soil	15	41	0.73	197	0.114	2	1.92	0.044	0.06	<0.1	0.03	6.8	<0.1	<0.05	5	<0.5	<0.2
1678345	Soil	12	35	0.66	229	0.096	3	1.70	0.043	0.06	0.1	0.03	5.5	<0.1	<0.05	4	0.6	<0.2
1676492	Soil	10	33	0.69	138	0.054	3	1.49	0.021	0.07	<0.1	0.03	4.3	<0.1	0.06	5	<0.5	<0.2
1676491	Soil	11	35	0.71	165	0.054	2	1.58	0.018	0.08	<0.1	0.04	5.3	<0.1	<0.05	5	<0.5	<0.2
1678342	Soil	12	35	0.75	163	0.103	3	1.66	0.045	0.06	0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
1678346	Soil	11	32	0.66	200	0.081	3	1.50	0.041	0.05	0.1	0.03	5.3	<0.1	<0.05	4	<0.5	<0.2
1676490	Soil	10	33	0.71	154	0.049	3	1.43	0.017	0.06	<0.1	0.05	4.8	<0.1	0.06	5	0.6	<0.2
1678339	Soil	16	49	0.69	239	0.112	2	2.09	0.030	0.06	0.1	0.02	9.0	<0.1	<0.05	6	<0.5	<0.2
1678344	Soil	10	30	0.63	165	0.092	3	1.58	0.045	0.04	0.1	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
1678337	Soil	14	49	0.62	269	0.089	2	2.19	0.016	0.07	<0.1	0.03	8.9	<0.1	<0.05	6	<0.5	<0.2
1638152	Soil	11	44	0.87	170	0.106	4	1.71	0.042	0.08	0.1	0.02	5.8	<0.1	<0.05	5	<0.5	<0.2
1638154	Soil	12	40	0.86	162	0.080	3	1.61	0.038	0.05	0.1	0.04	4.9	<0.1	<0.05	5	<0.5	<0.2
1638155	Soil	10	40	0.78	142	0.091	3	1.64	0.036	0.06	0.2	0.03	5.3	<0.1	<0.05	5	0.6	<0.2
1638151	Soil	12	46	0.88	180	0.113	5	1.80	0.043	0.07	0.1	0.03	6.2	<0.1	<0.05	5	<0.5	<0.2
1638140	Soil	6	21	0.32	297	0.051	2	1.25	0.029	0.12	<0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
1638153	Soil	10	40	0.77	142	0.100	4	1.61	0.035	0.06	0.1	0.03	5.3	<0.1	<0.05	5	<0.5	<0.2
1638157	Soil	7	32	0.60	90	0.079	2	1.36	0.024	0.04	<0.1	0.04	4.0	<0.1	<0.05	5	<0.5	<0.2
1638137	Soil	11	21	0.36	127	0.028	<1	1.54	0.015	0.09	<0.1	0.02	2.9	0.1	<0.05	5	<0.5	<0.2
1638145	Soil	12	37	0.84	244	0.080	5	1.56	0.037	0.08	<0.1	0.04	4.8	<0.1	<0.05	5	<0.5	<0.2
1638141	Soil	14	38	0.75	162	0.069	2	1.88	0.019	0.10	0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1638156	Soil	0.5	41.1	6.8	71	<0.1	28.5	13.0	369	2.78	6.8	0.8	5.5	2.5	42	0.3	0.6	<0.1	68	0.76	0.088
1638150	Soil	1.0	66.4	7.1	49	<0.1	33.7	12.5	448	2.44	4.5	0.5	2.1	1.0	65	0.2	0.5	<0.1	56	1.67	0.068
1638143	Soil	0.5	29.3	6.9	61	<0.1	27.7	18.5	644	4.84	7.0	0.3	2.0	2.0	41	0.2	0.7	<0.1	105	0.95	0.091
1638138	Soil	1.2	28.1	9.4	52	<0.1	23.3	13.0	283	3.19	12.9	1.1	5.7	4.4	23	<0.1	0.6	0.1	69	0.25	0.029
1638149	Soil	1.0	51.5	8.0	74	0.1	32.7	12.9	655	2.55	5.0	0.5	1.8	1.3	65	0.4	0.5	<0.1	57	1.49	0.083
1638139	Soil	0.7	10.3	6.9	24	0.1	7.5	5.5	248	1.15	4.8	0.3	<0.5	0.8	22	0.3	0.2	0.1	32	0.24	0.029
1676499	Soil	0.7	34.3	9.1	59	0.2	22.8	13.6	869	2.73	11.8	0.6	5.1	1.8	46	0.4	0.7	0.1	64	0.98	0.052
1678527	Soil	0.5	36.1	7.5	45	<0.1	18.9	11.6	529	2.78	11.9	0.6	2.8	1.6	44	0.2	0.7	<0.1	67	0.94	0.043
1638142	Soil	0.5	43.8	8.3	54	<0.1	32.7	14.9	615	3.28	7.4	0.5	2.5	1.8	52	0.2	0.8	<0.1	84	1.21	0.061
1638144	Soil	0.6	56.4	7.0	60	0.1	30.7	14.3	547	3.07	7.0	0.4	2.4	1.7	50	0.2	0.6	<0.1	69	1.27	0.066
1678530	Soil	1.0	36.0	7.6	72	0.1	22.1	13.0	910	2.40	9.3	0.7	4.1	1.5	55	0.3	0.9	0.1	60	0.94	0.078
1678528	Soil	0.5	45.0	7.0	53	0.1	20.3	11.9	539	3.08	13.9	0.7	2.5	1.2	74	0.2	0.8	<0.1	64	1.66	0.078
1676498	Soil	1.0	19.5	6.6	43	<0.1	19.2	11.6	320	2.91	13.7	0.4	2.2	1.4	27	0.1	0.7	0.1	73	0.42	0.028
1638147	Soil	0.7	43.0	7.3	52	<0.1	29.7	14.5	566	2.85	5.1	0.5	1.2	1.6	44	0.4	0.5	<0.1	62	0.88	0.053
1678532	Soil	0.4	53.4	4.3	34	<0.1	23.7	10.6	424	2.13	6.9	0.5	7.0	0.6	90	0.1	0.7	<0.1	52	1.88	0.064
1678529	Soil	0.8	48.9	6.2	52	0.1	24.9	13.6	721	2.60	14.6	1.1	4.1	1.1	91	0.3	0.9	<0.1	56	1.63	0.072
1676500	Soil	0.6	27.7	7.5	45	0.1	19.6	11.6	606	2.62	10.8	0.5	4.5	1.7	38	0.2	0.7	0.1	61	0.80	0.037
1638148	Soil	0.7	71.3	7.9	51	<0.1	34.5	15.5	528	3.05	6.8	0.7	2.3	1.9	48	0.1	0.6	<0.1	71	1.05	0.039
1679208	Soil	0.6	47.8	7.0	55	<0.1	30.7	13.1	491	3.03	15.2	0.7	6.5	2.2	63	0.2	0.6	0.2	72	1.55	0.061
1678531	Soil	0.5	38.2	4.4	46	<0.1	21.0	12.2	488	2.06	5.4	0.7	7.6	0.8	83	0.2	0.7	0.2	52	1.72	0.065
1678526	Soil	0.7	50.3	8.4	39	0.1	23.3	12.6	579	2.48	8.0	0.9	3.7	2.0	33	0.2	0.6	0.2	61	0.53	0.022
1638146	Soil	0.6	51.5	6.9	52	<0.1	33.0	13.7	480	2.62	7.1	0.5	3.3	1.8	42	0.2	0.6	0.2	69	0.98	0.051
1679209	Soil	0.5	48.0	6.9	53	<0.1	31.8	12.8	464	2.86	12.6	0.7	7.5	2.4	53	<0.1	0.5	0.2	77	0.98	0.058
1679211	Soil	0.4	37.7	6.4	52	<0.1	26.6	12.9	518	3.02	9.5	0.5	4.3	2.3	54	0.2	0.4	0.1	70	1.23	0.080
1679198	Soil	1.0	45.9	8.2	69	0.1	26.0	14.4	473	2.62	11.0	0.8	3.2	1.7	44	0.3	0.4	0.1	71	1.13	0.065
1679205	Soil	0.7	44.7	7.3	55	<0.1	30.5	15.6	533	3.25	19.9	0.4	10.2	2.3	40	<0.1	0.5	0.1	79	0.80	0.052
1679183	Soil	1.1	67.6	5.7	56	0.4	24.1	24.9	882	2.76	7.2	0.6	1.3	1.3	22	0.3	0.5	0.1	65	0.36	0.035
1679207	Soil	0.5	46.7	6.3	50	<0.1	28.8	13.0	464	2.74	12.9	0.4	6.1	2.4	75	0.2	0.5	0.1	66	2.69	0.067
1679210	Soil	0.5	41.7	6.6	51	<0.1	28.7	13.9	452	2.76	9.7	0.6	3.7	2.4	51	0.1	0.4	0.1	72	0.97	0.073
1679206	Soil	0.5	47.5	6.7	54	<0.1	29.9	14.0	538	3.02	18.1	0.4	9.0	2.3	66	0.1	0.6	0.1	75	2.17	0.062

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Project: WEL
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		Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1638156	Soil		12	37	0.83	151	0.109	2	1.63	0.046	0.06	0.1	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2
1638150	Soil		15	41	0.78	169	0.084	5	1.52	0.030	0.05	0.1	0.05	5.2	<0.1	0.07	4	0.5	<0.2
1638143	Soil		11	40	1.36	132	0.157	2	2.22	0.024	0.14	0.1	0.02	6.7	0.1	<0.05	9	<0.5	<0.2
1638138	Soil		12	40	0.49	146	0.073	2	2.53	0.019	0.05	<0.1	0.03	6.3	0.1	<0.05	7	<0.5	<0.2
1638149	Soil		10	42	0.73	228	0.092	6	1.57	0.035	0.08	<0.1	0.05	5.7	<0.1	<0.05	4	<0.5	<0.2
1638139	Soil		4	12	0.16	108	0.046	<1	0.67	0.019	0.04	<0.1	0.02	1.3	<0.1	<0.05	4	<0.5	<0.2
1676499	Soil		13	32	0.60	170	0.071	3	1.87	0.036	0.07	0.1	0.04	5.9	<0.1	<0.05	6	<0.5	<0.2
1678527	Soil		11	26	0.61	117	0.070	2	1.60	0.034	0.05	<0.1	0.03	4.9	<0.1	<0.05	6	<0.5	<0.2
1638142	Soil		11	47	1.09	125	0.094	3	1.89	0.030	0.08	<0.1	0.05	7.3	<0.1	<0.05	6	<0.5	<0.2
1638144	Soil		11	41	0.92	150	0.116	3	1.80	0.041	0.09	<0.1	0.04	5.5	<0.1	<0.05	5	<0.5	<0.2
1678530	Soil		11	31	0.65	162	0.076	2	1.63	0.033	0.06	0.1	0.04	5.1	<0.1	<0.05	5	<0.5	<0.2
1678528	Soil		13	25	0.72	190	0.059	3	1.69	0.031	0.09	<0.1	0.03	5.4	<0.1	<0.05	6	0.6	<0.2
1676498	Soil		8	30	0.53	164	0.094	<1	1.99	0.016	0.03	0.1	0.03	3.7	0.1	<0.05	6	<0.5	<0.2
1638147	Soil		9	42	0.71	223	0.087	2	1.69	0.032	0.05	<0.1	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
1678532	Soil		8	36	0.67	135	0.038	2	1.58	0.020	0.04	<0.1	0.04	6.4	<0.1	0.07	4	<0.5	<0.2
1678529	Soil		13	33	0.58	256	0.060	2	1.59	0.030	0.05	<0.1	0.04	5.5	<0.1	<0.05	5	0.7	<0.2
1676500	Soil		11	28	0.50	153	0.071	1	1.89	0.031	0.06	0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
1638148	Soil		12	51	0.80	173	0.104	2	2.01	0.039	0.05	<0.1	0.03	6.1	<0.1	<0.05	5	0.5	<0.2
1679208	Soil		12	36	0.79	189	0.095	3	1.63	0.054	0.06	0.1	0.03	5.5	<0.1	<0.05	5	0.6	<0.2
1678531	Soil		9	30	0.65	136	0.047	4	1.27	0.023	0.03	<0.1	0.04	5.0	<0.1	0.05	4	0.5	<0.2
1678526	Soil		16	30	0.42	136	0.073	2	1.49	0.028	0.04	<0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
1638146	Soil		12	51	0.81	197	0.085	3	1.84	0.037	0.06	<0.1	0.03	6.6	<0.1	<0.05	5	<0.5	<0.2
1679209	Soil		14	37	0.76	189	0.093	2	1.72	0.054	0.05	0.1	0.02	6.1	<0.1	<0.05	5	0.5	<0.2
1679211	Soil		11	34	0.77	180	0.093	4	1.59	0.050	0.06	0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
1679198	Soil		10	35	0.66	157	0.083	3	1.72	0.029	0.05	0.1	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
1679205	Soil		14	40	0.67	193	0.091	2	1.72	0.041	0.05	<0.1	0.03	6.8	<0.1	<0.05	5	<0.5	<0.2
1679183	Soil		10	31	0.43	148	0.071	2	1.49	0.021	0.03	<0.1	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2
1679207	Soil		12	33	0.79	175	0.102	2	1.62	0.053	0.06	0.1	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
1679210	Soil		12	36	0.72	182	0.096	2	1.50	0.043	0.06	0.1	0.02	5.3	<0.1	<0.05	5	<0.5	<0.2
1679206	Soil		13	35	0.75	176	0.107	2	1.62	0.053	0.05	0.1	0.02	6.0	<0.1	<0.05	5	<0.5	<0.2

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Project: WEL
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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1676476	Soil	0.8	19.8	4.2	19	<0.1	10.4	5.8	68	1.37	4.8	0.3	1.4	0.9	15	<0.1	0.2	<0.1	43	0.20	0.023
1679187	Soil	0.7	33.0	9.4	55	<0.1	24.6	13.4	371	2.89	9.3	0.8	8.2	3.6	36	<0.1	0.4	0.1	78	0.59	0.047
1679182	Soil	0.7	49.7	6.4	76	0.4	22.0	10.9	546	2.02	12.3	0.7	5.5	0.9	52	0.3	0.9	0.1	51	1.33	0.089
1679199	Soil	0.5	42.3	5.7	52	<0.1	25.7	12.4	402	2.33	7.3	0.7	5.1	1.8	43	0.2	0.4	0.1	65	1.03	0.060
1676479	Soil	0.9	51.5	6.4	48	0.2	26.6	13.5	287	2.54	12.1	0.8	2.4	1.6	38	0.2	0.8	0.1	71	0.75	0.064
1679184	Soil	1.1	58.3	6.6	63	0.2	31.5	17.6	1891	3.00	10.0	0.6	3.1	1.4	35	0.4	0.6	0.1	80	0.61	0.071
1679185	Soil	0.6	43.2	6.3	54	0.1	27.3	14.5	464	2.98	19.4	0.6	5.9	2.1	36	0.2	0.5	<0.1	81	0.66	0.060
1679212	Soil	0.5	43.3	6.5	52	<0.1	32.7	13.0	438	2.79	9.0	0.8	6.0	2.3	59	0.1	0.4	0.1	74	1.10	0.083
1638131	Soil	0.4	31.9	13.3	55	0.1	25.2	16.0	649	2.51	23.2	2.4	19.3	3.2	48	0.2	0.7	0.2	60	0.92	0.100
1638130	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1679213	Soil	0.7	43.6	6.4	52	<0.1	33.4	13.3	436	2.70	8.5	2.1	2.6	2.2	55	0.2	0.5	0.1	70	1.09	0.085
1676477	Soil	1.0	47.2	4.3	26	0.2	19.0	10.3	987	1.67	5.2	0.6	2.4	0.4	55	0.2	0.5	0.1	43	1.40	0.102
1638132	Soil	0.9	17.0	5.6	33	<0.1	13.3	7.3	257	1.71	6.4	0.5	2.5	0.9	34	0.1	0.3	0.1	48	0.58	0.050
1638128	Soil	0.9	33.5	6.2	48	0.1	25.1	13.5	380	2.16	10.1	0.8	3.3	1.2	50	0.2	0.4	0.1	61	1.22	0.056
1676478	Soil	1.5	17.6	7.6	42	<0.1	18.5	9.1	174	2.89	9.1	0.3	4.7	1.3	16	0.1	0.4	0.1	91	0.22	0.035
1679186	Soil	0.7	59.9	7.6	56	0.2	32.2	16.1	628	3.21	9.0	1.1	4.6	2.1	41	0.3	0.5	0.1	78	0.74	0.065
1638133	Soil	0.5	21.6	11.6	54	<0.1	28.1	17.5	535	2.73	31.3	2.1	11.2	4.2	47	0.2	0.6	0.1	61	0.84	0.088
1638135	Soil	0.7	21.2	14.1	42	0.2	14.5	9.1	457	1.64	42.8	2.8	16.0	1.6	85	0.3	0.5	0.2	42	1.59	0.092
1676483	Soil	1.2	35.5	8.6	56	<0.1	36.8	16.4	463	2.95	8.5	0.8	1.9	2.5	31	0.2	0.5	0.1	73	0.56	0.043
1676480	Soil	0.8	30.9	6.9	54	<0.1	30.2	16.6	408	3.32	8.3	0.5	11.5	2.7	33	<0.1	0.4	0.3	85	0.53	0.057
1638134	Soil	0.6	13.0	13.7	56	<0.1	14.5	9.5	309	1.78	16.5	1.3	10.0	2.2	34	0.1	0.4	0.2	35	0.53	0.081
1638136	Soil	0.8	19.6	15.0	43	0.2	16.2	10.1	492	1.74	43.0	2.4	21.0	2.3	68	0.1	0.6	0.2	36	1.15	0.084
1676484	Soil	1.0	45.3	7.7	58	0.1	38.1	15.7	652	2.71	8.0	0.9	2.1	1.3	51	0.3	0.5	0.1	69	1.14	0.078
1676481	Soil	0.8	32.6	8.3	50	<0.1	30.3	14.9	423	3.00	7.3	0.8	3.0	2.4	35	<0.1	0.3	0.1	78	0.59	0.047
1679191	Soil	0.7	21.5	8.6	63	<0.1	18.9	11.3	408	3.05	8.9	0.5	3.2	2.6	34	0.2	0.4	0.2	69	0.59	0.058
1679194	Soil	0.5	41.8	5.4	49	<0.1	26.5	11.7	471	2.68	8.0	0.4	7.8	2.0	49	<0.1	0.4	0.1	78	1.41	0.079
1679203	Soil	1.1	37.2	8.6	55	<0.1	25.4	10.5	777	2.46	29.2	0.5	2.4	1.3	24	0.2	0.8	0.2	59	0.44	0.066
1676487	Soil	0.9	52.3	5.3	49	0.1	42.7	16.4	625	3.08	30.6	1.0	3.3	0.9	82	0.2	0.7	0.1	74	2.23	0.077
1679193	Soil	0.4	38.7	5.2	54	<0.1	26.4	13.0	458	2.73	7.0	0.3	5.9	2.2	59	0.1	0.4	0.1	73	2.11	0.082
1679197	Soil	0.8	42.0	6.6	67	0.2	23.6	12.7	535	2.21	7.1	0.7	3.4	1.2	51	0.3	0.5	0.1	57	1.31	0.062

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		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1676476	Soil		5	20	0.19	65	0.053	1	1.02	0.017	0.03	<0.1	0.02	1.9	<0.1	<0.05	4	<0.5	<0.2
1679187	Soil		16	42	0.73	216	0.097	2	1.99	0.022	0.04	<0.1	0.02	6.5	<0.1	<0.05	6	<0.5	<0.2
1679182	Soil		12	30	0.50	163	0.049	2	1.49	0.022	0.05	<0.1	0.06	4.4	<0.1	0.05	4	0.5	<0.2
1679199	Soil		11	33	0.59	171	0.090	3	1.48	0.034	0.05	0.1	0.02	6.3	<0.1	<0.05	5	<0.5	<0.2
1676479	Soil		12	40	0.59	172	0.069	1	2.06	0.025	0.03	0.1	0.04	5.4	0.1	<0.05	6	0.5	<0.2
1679184	Soil		11	38	0.62	209	0.082	2	1.98	0.021	0.05	0.1	0.03	5.8	<0.1	<0.05	6	<0.5	<0.2
1679185	Soil		12	40	0.72	209	0.097	2	2.03	0.025	0.05	<0.1	0.03	6.7	<0.1	<0.05	6	<0.5	<0.2
1679212	Soil		13	36	0.78	194	0.093	3	1.74	0.048	0.06	0.1	0.02	5.2	<0.1	<0.05	5	<0.5	<0.2
1638131	Soil		17	34	0.67	177	0.036	2	1.50	0.018	0.13	<0.1	0.06	5.8	0.1	<0.05	5	<0.5	<0.2
1638130	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1679213	Soil		13	34	0.63	197	0.089	3	1.55	0.045	0.05	0.1	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
1676477	Soil		11	26	0.31	173	0.032	2	1.22	0.021	0.03	0.1	0.07	3.8	<0.1	0.09	4	0.8	<0.2
1638132	Soil		7	23	0.37	114	0.045	2	0.98	0.019	0.07	<0.1	0.04	2.8	<0.1	<0.05	5	<0.5	<0.2
1638128	Soil		10	44	0.59	175	0.070	2	1.69	0.021	0.05	<0.1	0.06	6.1	<0.1	<0.05	5	<0.5	<0.2
1676478	Soil		6	34	0.43	103	0.092	1	1.62	0.013	0.04	<0.1	0.02	2.8	<0.1	<0.05	8	<0.5	<0.2
1679186	Soil		15	41	0.73	207	0.087	2	2.02	0.026	0.05	0.1	0.04	8.3	<0.1	<0.05	6	<0.5	<0.2
1638133	Soil		18	40	0.77	115	0.061	2	1.61	0.023	0.12	0.1	0.04	5.9	0.1	<0.05	6	<0.5	<0.2
1638135	Soil		14	22	0.29	145	0.032	3	1.08	0.016	0.10	<0.1	0.06	3.4	0.1	<0.05	4	<0.5	<0.2
1676483	Soil		10	63	0.72	212	0.096	1	1.95	0.019	0.05	<0.1	0.02	6.2	<0.1	<0.05	7	<0.5	<0.2
1676480	Soil		11	53	0.82	172	0.129	1	2.14	0.021	0.03	0.1	0.02	5.9	0.1	<0.05	6	<0.5	<0.2
1638134	Soil		10	24	0.45	104	0.047	2	1.35	0.018	0.12	<0.1	0.04	3.5	0.1	<0.05	5	<0.5	<0.2
1638136	Soil		14	23	0.36	158	0.028	2	1.19	0.018	0.11	0.1	0.06	4.1	0.1	0.05	4	0.5	<0.2
1676484	Soil		11	53	0.73	207	0.072	2	1.96	0.024	0.05	0.1	0.04	6.0	<0.1	<0.05	6	<0.5	<0.2
1676481	Soil		11	52	0.70	191	0.110	1	1.88	0.023	0.03	<0.1	0.03	6.7	<0.1	<0.05	6	<0.5	<0.2
1679191	Soil		13	32	0.71	186	0.095	2	1.84	0.023	0.08	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
1679194	Soil		11	30	0.77	149	0.097	3	1.36	0.047	0.06	0.1	0.02	4.9	<0.1	<0.05	4	<0.5	<0.2
1679203	Soil		8	29	0.47	229	0.060	2	1.52	0.017	0.07	0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
1676487	Soil		12	53	1.01	127	0.050	3	1.82	0.022	0.08	<0.1	0.05	7.7	<0.1	0.07	6	0.8	<0.2
1679193	Soil		10	34	0.79	135	0.100	3	1.31	0.053	0.07	0.1	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
1679197	Soil		10	28	0.56	179	0.062	3	1.42	0.028	0.04	<0.1	0.05	4.6	<0.1	<0.05	5	0.8	<0.2

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Project: WEL
Report Date: September 14, 2018

CERTIFICATE OF ANALYSIS WHI18000760.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1679204	Soil	0.7	57.7	6.1	50	<0.1	35.7	16.3	425	3.67	11.4	0.6	5.7	3.3	37	<0.1	0.5	0.1	90	0.60	0.026
1676486	Soil	0.9	56.1	7.3	67	0.2	38.0	19.3	959	3.56	8.1	1.4	2.2	1.4	59	0.3	0.6	0.1	86	1.39	0.096
1679190	Soil	0.8	35.2	9.6	53	<0.1	23.4	12.0	367	3.18	8.9	0.8	1.7	2.8	35	0.1	0.4	0.1	81	0.56	0.040
1679195	Soil	0.4	37.9	5.7	53	<0.1	28.8	13.4	512	2.97	8.9	0.6	2.1	2.3	51	0.1	0.5	0.1	83	1.06	0.077
1679201	Soil	1.0	43.1	6.3	62	0.1	24.8	10.4	316	2.23	9.3	0.8	3.3	1.5	43	0.4	0.5	0.1	61	1.02	0.060
1676485	Soil	1.0	42.0	7.1	56	0.1	38.2	18.3	684	3.11	8.0	0.9	4.2	1.5	50	0.3	0.5	0.2	80	0.91	0.068
1679192	Soil	0.4	41.3	6.5	61	<0.1	26.0	12.6	480	3.07	7.3	0.5	13.4	2.6	47	0.1	0.4	0.1	78	0.81	0.074
1679196	Soil	1.0	34.5	7.3	64	0.1	21.1	12.3	915	2.16	9.9	0.7	5.6	1.2	42	0.3	0.6	0.1	57	0.89	0.070
1679202	Soil	0.7	32.4	7.1	26	<0.1	11.1	5.3	301	1.15	6.2	0.4	1.7	0.2	22	0.2	0.4	0.1	31	0.27	0.040
1676482	Soil	0.7	42.9	7.4	51	0.1	27.8	17.4	628	2.74	6.5	0.7	4.9	1.9	34	0.2	0.3	0.1	71	0.61	0.060
1638127	Soil	0.7	50.9	129.7	69	0.5	26.0	14.3	454	2.43	14.0	0.7	4.8	1.1	54	0.3	0.8	0.1	67	1.57	0.065
1638126	Soil	0.7	44.5	4.7	30	<0.1	18.0	11.9	368	2.04	10.5	0.7	2.6	1.1	40	0.2	0.5	0.1	59	0.93	0.035
1638129	Soil	1.0	37.8	7.1	51	0.1	25.8	13.1	520	2.18	7.9	0.7	3.5	0.9	56	0.3	0.5	0.1	60	1.47	0.070

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Project: WEL
Report Date: September 14, 2018

CERTIFICATE OF ANALYSIS WHI18000760.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1679204	Soil	15	49	0.71	185	0.110	1	2.10	0.034	0.06	<0.1	0.03	10.7	<0.1	<0.05	6	<0.5	<0.2
1676486	Soil	17	49	1.15	178	0.059	2	2.36	0.024	0.07	<0.1	0.06	7.3	<0.1	<0.05	7	0.7	<0.2
1679190	Soil	19	38	0.64	212	0.111	1	1.91	0.026	0.06	<0.1	0.03	7.0	<0.1	<0.05	6	<0.5	<0.2
1679195	Soil	12	35	0.72	170	0.112	3	1.52	0.052	0.05	0.1	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
1679201	Soil	9	27	0.59	151	0.076	2	1.45	0.034	0.04	0.1	0.04	5.2	<0.1	<0.05	4	0.7	<0.2
1676485	Soil	11	56	0.82	189	0.082	2	1.94	0.023	0.05	0.1	0.04	5.8	<0.1	<0.05	6	0.5	<0.2
1679192	Soil	14	35	0.66	166	0.118	2	1.59	0.055	0.05	0.1	0.02	5.8	<0.1	<0.05	5	<0.5	<0.2
1679196	Soil	10	29	0.55	235	0.065	2	1.43	0.028	0.04	0.1	0.04	4.4	<0.1	<0.05	4	0.5	<0.2
1679202	Soil	7	19	0.16	151	0.032	<1	0.79	0.015	0.03	<0.1	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1676482	Soil	10	39	0.63	187	0.094	<1	1.91	0.027	0.03	0.1	0.03	5.6	<0.1	<0.05	6	<0.5	<0.2
1638127	Soil	10	39	0.64	145	0.070	2	1.75	0.028	0.05	<0.1	0.04	5.5	<0.1	0.06	5	0.7	<0.2
1638126	Soil	13	27	0.40	106	0.056	1	1.34	0.028	0.03	0.1	0.04	4.7	<0.1	<0.05	5	<0.5	<0.2
1638129	Soil	10	40	0.61	168	0.061	2	1.39	0.020	0.04	<0.1	0.07	4.9	<0.1	0.09	4	0.6	<0.2

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Project: WEL
Report Date: September 14, 2018

QUALITY CONTROL REPORT WHI18000760.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1678320	Soil	0.7	53.9	6.6	64	0.1	26.2	13.3	626	2.92	6.9	0.8	3.4	1.4	49	0.4	0.6	0.1	73	0.87	0.073
REP 1678320	QC	0.7	51.5	6.7	62	0.1	25.7	13.2	587	2.84	6.5	0.7	2.9	1.3	49	0.4	0.5	0.1	72	0.81	0.068
1639402	Soil	0.7	43.5	6.6	47	<0.1	25.2	14.2	284	2.64	6.4	0.6	3.0	1.8	22	0.4	0.5	0.2	65	0.36	0.034
REP 1639402	QC	0.6	42.2	6.5	47	<0.1	23.6	15.5	297	2.65	6.1	0.6	3.8	1.9	23	0.3	0.5	0.2	66	0.38	0.036
1678339	Soil	0.8	36.3	7.4	48	<0.1	32.3	15.8	567	3.42	17.5	0.6	3.2	3.1	35	<0.1	0.6	0.1	84	0.60	0.019
REP 1678339	QC	0.7	36.3	7.5	50	<0.1	32.7	15.9	584	3.33	17.3	0.6	1.5	3.1	35	<0.1	0.6	0.1	86	0.62	0.021
1679211	Soil	0.4	37.7	6.4	52	<0.1	26.6	12.9	518	3.02	9.5	0.5	4.3	2.3	54	0.2	0.4	0.1	70	1.23	0.080
REP 1679211	QC	0.5	36.7	6.4	52	<0.1	28.0	13.6	476	3.04	9.0	0.5	7.4	2.3	55	0.2	0.5	0.1	73	1.28	0.075
1679203	Soil	1.1	37.2	8.6	55	<0.1	25.4	10.5	777	2.46	29.2	0.5	2.4	1.3	24	0.2	0.8	0.2	59	0.44	0.066
REP 1679203	QC	1.2	36.2	8.4	56	<0.1	26.8	11.3	707	2.73	29.3	0.5	2.5	1.3	25	0.2	1.0	0.2	59	0.37	0.068
Reference Materials																					
STD DS11	Standard	15.0	143.9	137.3	326	1.6	78.9	13.5	1043	3.02	45.4	2.6	61.2	7.5	65	2.3	8.3	11.5	50	1.05	0.077
STD DS11	Standard	13.9	166.0	140.2	352	1.8	80.4	15.0	974	3.16	46.1	2.7	69.0	7.8	68	2.8	9.4	12.9	52	1.06	0.081
STD DS11	Standard	13.4	150.7	138.5	346	1.7	76.3	14.4	988	3.23	45.1	2.6	63.0	7.7	56	2.6	8.3	12.0	52	0.95	0.074
STD DS11	Standard	14.9	142.4	137.8	327	1.7	83.9	14.3	972	2.79	46.2	2.8	88.6	7.6	61	2.6	7.9	12.0	49	0.94	0.082
STD DS11	Standard	13.7	157.1	140.3	356	1.8	79.4	14.0	976	3.14	42.9	2.6	77.0	7.6	64	2.6	9.3	12.0	48	1.03	0.068
STD OXC129	Standard	1.2	30.2	6.2	41	<0.1	85.5	23.7	457	2.93	0.5	0.7	201.3	1.7	193	<0.1	<0.1	<0.1	57	0.65	0.104
STD OXC129	Standard	1.2	29.7	6.7	40	<0.1	83.1	21.6	424	3.22	<0.5	0.8	199.5	1.9	182	<0.1	<0.1	<0.1	56	0.70	0.108
STD OXC129	Standard	1.3	29.4	6.3	43	<0.1	81.8	23.0	439	3.31	0.8	0.7	196.0	1.9	197	<0.1	<0.1	<0.1	58	0.67	0.110
STD OXC129	Standard	1.3	28.3	5.9	40	<0.1	84.1	22.3	405	3.14	0.6	0.7	200.8	1.6	179	<0.1	<0.1	<0.1	53	0.65	0.107
STD OXC129	Standard	1.3	29.2	7.2	67	<0.1	80.6	20.9	411	2.96	0.5	0.7	204.1	1.8	179	0.3	0.2	<0.1	53	0.65	0.099
STD OXC129 Expected		1.3	28	6.2	42.9		79.5	20.3	421	3.065	0.6	0.69	195	1.9					51	0.684	0.102
STD DS11 Expected		14.6	149	138	345	1.71	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	8.74	12.2	50	1.063	0.0701
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	3	<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	5	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	4	<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 WHI18000760.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1678320	Soil	14	35	0.68	220	0.092	2	1.91	0.036	0.07	0.1	0.05	7.2	<0.1	<0.05	5	<0.5	<0.2
REP 1678320	QC	14	35	0.65	219	0.091	3	1.77	0.034	0.06	<0.1	0.04	6.8	<0.1	<0.05	5	0.5	<0.2
1639402	Soil	10	40	0.41	149	0.080	1	1.63	0.024	0.05	<0.1	0.02	4.2	<0.1	<0.05	7	<0.5	<0.2
REP 1639402	QC	11	41	0.40	143	0.086	1	1.57	0.026	0.05	<0.1	0.03	4.1	<0.1	<0.05	6	<0.5	<0.2
1678339	Soil	16	49	0.69	239	0.112	2	2.09	0.030	0.06	0.1	0.02	9.0	<0.1	<0.05	6	<0.5	<0.2
REP 1678339	QC	16	47	0.63	238	0.114	2	1.92	0.030	0.07	<0.1	0.02	9.1	<0.1	<0.05	6	<0.5	<0.2
1679211	Soil	11	34	0.77	180	0.093	4	1.59	0.050	0.06	0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
REP 1679211	QC	12	35	0.78	185	0.096	3	1.52	0.057	0.07	0.1	0.02	5.3	<0.1	<0.05	4	<0.5	<0.2
1679203	Soil	8	29	0.47	229	0.060	2	1.52	0.017	0.07	0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
REP 1679203	QC	8	30	0.42	226	0.060	2	1.42	0.018	0.07	0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS11	Standard	19	60	0.80	356	0.083	6	1.09	0.070	0.35	2.8	0.26	3.0	5.0	0.23	5	2.1	4.6
STD DS11	Standard	19	61	0.80	372	0.095	7	1.10	0.073	0.38	2.9	0.25	3.2	4.6	0.20	5	2.1	4.9
STD DS11	Standard	18	58	0.85	341	0.085	6	1.09	0.076	0.35	3.2	0.27	3.1	4.8	0.26	5	2.5	4.5
STD DS11	Standard	18	62	0.90	380	0.087	7	1.14	0.071	0.36	3.0	0.28	3.0	4.9	0.23	5	2.2	4.8
STD DS11	Standard	18	58	0.87	346	0.084	7	1.12	0.068	0.37	2.9	0.26	2.9	4.8	0.24	5	2.5	4.7
STD OXC129	Standard	13	55	1.60	52	0.402	<1	1.51	0.558	0.32	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	55	1.65	54	0.422	2	1.56	0.697	0.39	<0.1	<0.01	1.2	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	13	55	1.64	54	0.405	1	1.58	0.606	0.33	<0.1	<0.01	0.7	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	53	1.48	51	0.370	2	1.53	0.566	0.33	<0.1	<0.01	0.6	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	13	52	1.54	49	0.388	1	1.44	0.546	0.35	<0.1	<0.01	0.6	<0.1	<0.05	5	<0.5	<0.2
STD OXC129 Expected		12.5	52	1.545	50	0.4	1	1.58	0.59	0.3655			1.1			5.5		
STD DS11 Expected		18.6	61.5	0.85	385	0.0976		1.1795	0.0762	0.4	2.9	0.26	3.4	4.9	0.2835	5.1	2.2	4.56
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2